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MATRIXNEWORLD
Engineering Progress

February 27, 2025

Chris Rutishauser, P.E., CPWM
Director of Public Works/Village Engineer
Village of Ridgewood
131 North Maple Avenue
Ridgewood, New Jersey 07450

Re: IMPORTED BERM MATERIAL EVALUATION – GRID SOIL REMEDIAL INVESTIGATION
VILLAGE OF RIDGEWOOD HISTORIC SITE – SCHEDLER PROPERTY
460 WEST SADDLE RIVER ROAD
VILLAGE OF RIDGEWOOD, BERGEN COUNTY, NEW JERSEY 07450
NJDEP CASE NO. 24-05-28-1117-27
PI No. 1062723
MATRIX NO. 23-1429

Dear Mr. Rutishauser:

Matrix New World Engineering, Land Surveying, and Landscape Architecture, PC (Matrix) has prepared this letter report detailing the recent soil sampling activities at the above referenced site located at 460 West Saddle River Road, Village of Ridgewood (Ridgewood), New Jersey (Site). The summarized work below was conducted as part of a remedial investigation (RI) focusing on the impacted soil samples identified during the June 2024 soil sampling event. This sampling was associated with the grid samples collected from the areas of the property outside of the constructed soil berm. The RI was conducted in general accordance with NJDEP's *Technical Requirements for Site Remediation (TRSR)* N.J.A.C. 7:26E, NJDEP's *Field Sampling Procedures Manual (FSPM)*, and any other applicable NJDEP Guidance Documents.

BACKGROUND

Ridgewood received correspondence from the NJDEP Bureau of Solid Waste Compliance & Enforcement (BSWCE) on December 11, 2023, questioning the sources and quality of the fill material that were imported to the Site to create the berm (**Appendix A**). Based on this correspondence from the NJDEP, it appears that approximately 10,000 cubic yards of fill material were imported to the Site to create the soil berm, as well as possibly filling other low areas of the Site. Subsequently, Ridgewood retained Matrix to complete a review of the data associated with the fill material and respond to the NJDEP BSWCE with a Sampling and Analysis Plan (SAP). On April 2, 2024 Matrix submitted a SAP to the NJDEP BSWCE detailing the scope of work for the sampling of the berm and filled in areas, which

was conditionally approved by NJDEP BSWCE on April 3, 2024. The conditional approval was based on the BSWCE's request for additional sampling among the balance of the Site, outside of the constructed soil berm.

On May 3, 2024 Matrix performed a soil investigation on the Berm portion of the Site (AOC-1). A total of 14 soil samples (SB-1 through SB-14) were collected throughout the berm for laboratory analysis and were analyzed for Target Compound List (TCL) Semi-volatile Organic Compounds (SVOCs) and Target Analyte List (TAL) Metals. Soil samples SB-1, SB-3 through SB-5, SB-7, SB-8, SB-10 through SB-12, and SB-14 were additionally analyzed for TCL Pesticides and polychlorinated biphenyls (PCBs). Several sample locations were identified with concentrations of benzo(a)anthracene, lead, and mercury exceeding the NJDEP's Migration to Groundwater Soil Remediation Standard (MGWSRS). Additionally, concentrations of benzo(a)pyrene were detected exceeding the NJDEP's Residential Ingestion-Dermal Soil Remediation Standard (RIDSRS) in several samples. Due to the RIDSRS exceedance of benzo(a)pyrene, as well as the MGWSRS exceedances of benzo(a)anthracene, lead, and mercury, identified in the soils associated with the imported material, Matrix notified the NJDEP via the NJDEP's Spill Hotline on May 28, 2024. NJDEP Contaminated Site Remediation and Redevelopment (CSRR) program assigned Case No. 24-05-28-1117-27 and Program Interest No. 1062723 to the Site. Subsequently, Matrix submitted a Confirmed Discharge Notification (CDN) form on June 10, 2024 and on July 12, 2024 Chris Pittarese of Matrix was retained as the Licensed Site Remediation Professional (LSRP) for the Site. In accordance with the NJDEP's *Alternative Remediation Standards Technical Guidance for Soil and Soil Leachate for the Migration to Groundwater Exposure Pathway* (May 2021) guidance document, a Synthetic Participation Leaching Procedure (SPLP) was performed for benzo(a)anthracene, lead, and mercury and a Site-Specific Alternative Remediation Standards (ARS) for each were calculated utilizing the SPLP results. Concentrations of benzo(a)anthracene, lead, and mercury detected in the fill material were below their respective Site-Specific ARS.

On June 18, 2024 Matrix submitted correspondence to the NJDEP BSWCE detailing the scope of work for the grid sampling of the filled in areas among the balance of the site, which was conditionally approved by NJDEP BSWCE on June 20, 2024. The conditional approval letter is included in **Appendix B.** The conditional approval was based on BSWCE's request for additional sampling among the balance of the Site, within established grid patterns in areas of suspected contamination based on field and aerial observations.

On June 26 and June 27, 2024 Matrix performed a soil investigation on the balance of the Site (AOC-2). A total of 28 grid soil samples (GRID-1 through GRID-28) were collected and submitted for laboratory

analysis. All grid soil borings were advanced within the limits of the pre-determined sampling grid at locations requested by the NJDEP's representative where imported fill was observed to be present. Soil Samples GRID-1 through GRID-28 were analyzed for TCL SVOCs, TCL Pesticides, PCBs, TAL Metals, and Hexavalent Chromium. Soil samples with photoionization detector (PID) (MiniRae parts per million [ppm] meter) readings greater than or equal to 10 parts per million (ppm) above ambient background (GRID-11 and GRID-21) were additionally analyzed for TCL volatile organic compounds (VOCs). An additional soil sample (SB-12R) was collected at 3.0-3.5 feet bgs in the former location of SB-12 within the berm and analyzed for VOCs. The soil boring investigation identified the SVOC compound benzo(a)pyrene in six soil samples (GRID-4, GRID-11, GRID-16, GRID-21, GRID-26, GRID-28) at concentrations exceeding the NJDEP's RIDSRS and in two soil samples (GRID-18 and GRID-20) at concentrations exceeding both the NJDEP's RIDSRS and NRIDSRS. The soil investigation identified the SVOC compound benzo(a)anthracene in two soil samples (GRID-18 and GRID-20) at concentrations exceeding the NJDEP's MGWSRS and Site-Specific ARS. The soil investigation identified the metal compound mercury in one soil sample (GRID-10A) at a concentration exceeding the NJDEP's MGWSRS and Site-Specific ARS.

On November 7, 2024 Matrix submitted a Sampling Workplan to the NJDEP BSWCE detailing the scope of work for the grid delineation sampling of the previously collected grid samples, which was conditionally approved by NJDEP on November 8, 2024. The conditional approval was based on NJDEP BSWCE's request for additional sampling among the balance of the Site to delineate the identified compounds exceeding the SRS, the characterization of eight additional samples where fill material was observed, and the resampling of pesticides from the nine locations. The Sampling Workplan and Signed Conditional Approval are included as **Appendix C and D**.

GRID DELINEATION SAMPLING

The following section presents a technical overview of remedial investigation activities performed by Matrix at the Site on November 21, 22 and 26, 2024. Soil samples were collected in general accordance with NJDEP's Technical Requirements for Site Remediation (TRSR) N.J.A.C. 7:26E, NJDEP's Field Sampling Procedures Manual (FSPM), Soil Site Investigation/Remedial Investigation/Remedial Action Technical Guidance Document (March 2015), and any other applicable NJDEP Guidance Documents. The objective of this investigation was to perform delineation sampling of the exceedances identified from the site investigation grid sampling on the balance of the Site, outside of the constructed soil berm.

All soil samples were submitted to an NJDEP certified laboratory, SGS Laboratories of Dayton, New Jersey (#12129) within the prescribed field holding times and were received intact, and properly

preserved, with the exception of five soil samples from the GRID-20 delineation area. Matrix submitted all laboratory data to a third-party independent data validator, Nankoweep Environmental Consulting (Nankoweep) to review holding times, confirm that each analysis method met quality control requirements, and method blanks met method specific requirements.

The applicable remediation standards for soil at this Site are the NJDEP's May 2021 Migration to Groundwater Exposure Pathway Soil Remediation Standards (MGWSRS), Non-Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards (NRIDSRS), Non-Residential Inhalation Exposure Pathway Soil Remediation Standards (NRISRS), Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards (RIDSRS), and the Residential Inhalation Exposure Pathway Soil Remediation Standards (RISRS). As mentioned above, a Site-Specific ARS for the MGWSRS was calculated for benzo(a)anthracene, lead, and mercury.

Matrix retained Environmental Probing, Inc. (EPI) from Cream Ridge, New Jersey, to conduct 77 soil borings around the nine locations identified with exceedances in June 2024. This work was carried out using Geoprobe® direct push technology on November 21, 22, and 26, 2024 and in compliance with N.J.A.C. 7:26E(4.2). A Matrix representative provided full-time oversight of drilling activities. In addition, a representative from the NJDEP BSWCE, Tom Farrell, was present during the soil sampling. Each of the nine original grid sample locations identified with exceedances were further investigated with two rings of horizontal delineation borings equally spaced to approximately 7.5 feet in the north, south, east, and west directions; therefore, creating the first ring with a 7.5 foot radius and the second ring with a 15 foot radius from the original sampling location. In instances that fill material with visually observed solid waste was encountered after measuring 7.5 feet, the boring locations were extended outwards until solid waste was not observed. Samples were not collected within fill material from the first ring where solid waste was visually observed, as BSWCE will require excavation of that material regardless of any analytical data. The objective of moving the first ring beyond 7.5 feet was to ensure the first ring did not encompass solid waste and samples were collected from non-solid waste material, thus properly delineating the extent of solid waste material. The step outs were completed in the cardinal directions (north, south, east, and west) identified as N, S, E, and W in the sample nomenclature. Horizontal delineation samples were collected from the original sample interval of 1 to 1.5 feet below ground surface (bgs). Additionally, the original grid samples (collected from 1 to 1.5 bgs) were vertically delineated with two sampling intervals: the first sample collected one foot deeper (2 to 2.5 feet bgs) than the original sample interval and a second sample collected 1.5 feet (2.5 to 3 feet bgs) deeper than the original sample interval. All soil borings were advanced to a depth of 4 feet below ground surface (BGS) with five-foot sampling cores using dedicated acetate sleeves with a Geoprobe. The soil was visually inspected for any

potential visual or olfactory impacts, screened with a PID for organic vapors and logged for material content and lithology.

Based on the approved NJDEP BSWCE SAP, a total of 86 delineation soil samples, surrounding the June 2024 grid sample locations identified with exceedances (GRID-4, GRID-10A, GRID-11, GRID-16, GRID-18, GRID-20, GRID-21, GRID-26, and GRID-28), were collected and submitted for laboratory analysis or extracted and held as a contingency sample. Each delineation sample was analyzed for the compound of concern that was detected exceeding the NJDEP's SRS. Delineation soil samples surrounding GRID-4, GRID-11, GRID-16, GRID-21, GRID-26, and GRID-28 were analyzed for benzo(a)pyrene. Delineation soil samples surrounding GRID-18 and GRID-20 were analyzed for benzo(a)pyrene and benzo(a)anthracene. Delineation soil samples surrounding GRID-10A were analyzed for mercury and benzo(a)pyrene. Per the NJDEP's request, for any delineation sample that displayed a visually inconsistent appearance to the fill material that has already been characterized (i.e., a different kind of fill material is identified), the analysis of that sample location was to be expanded to analyze the Target Compound List/Target Analyte List (TCL/TAL) plus a forward library search (+30) suite. All delineation samples were collected within native soils and did not indicate a visually inconsistent appearance to the fill material that had already been characterized, so no sample locations were expanded to analyze TCL/TAL+30. Quality Assurance/Quality Control (QA/QC) samples included three field blanks and five duplicate samples. The field blank samples FB-1, FB-2, and FB-3 were analyzed for TCL/TAL+30. Duplicate samples, DUP-1, DUP-2, and DUP-3, were analyzed for benzo(a)pyrene, DUP-4 was analyzed for benzo(a)pyrene and benzo(a)anthracene, and DUP-5 was analyzed for mercury and benzo(a)pyrene.

There were no observations of elevated PID readings, odor, staining, or sheen throughout the soil column in any of the delineation sample locations. The native soil encountered throughout the Site predominantly consisted of a brown sandy silt. A sample summary table is included as **Table 1**. The soil sample analytical results are summarized below and are included on **Table 2.** The soil boring delineation sample locations are shown on **Figure 2** with analytical results displayed on **Figure 2A through 2I.** Soil boring logs are provided in **Appendix E**.

The Nankoweep data validation report is included as **Appendix F**. Additional information regarding the reliability of the laboratory analytical data can be found in the Case Narrative/Conformance Summary section of the laboratory analytical reports for soil included in **Appendix G**.

<u>GRID-4</u>

The contaminant of concern (COC) at this grid location was benzo(a)pyrene. Based on analytical results for the GRID-4 delineation area, vertical delineation sample GRID-4(2.0-2.5) exhibited concentrations of benzo(a)pyrene below all applicable NJDEP SRS. The horizontal delineation step outs were collected approximately 7.5 feet from the original GRID-4 location within the first ring and ranged from 15 to 20 feet from GRID-4 within the second ring. The corresponding delineation samples (GRID-4-N1, GRID-4-S1, GRID-4-E1, GRID-4-W1) were collected and analyzed for benzo(a)pyrene. All four horizontal delineation samples did not exhibit concentrations for benzo(a)pyrene above applicable NJDEP SRS within the first delineation ring; therefore, the second group of step out samples were not activated. Based on the analytical results, the vertical and horizontal delineation of GRID-4 is complete.

GRID-10A

The COC at this grid location was mercury. Given the presence of benzo(a)pyrene at other grid locations, the NJDEP BSWEC requested that delineation samples from GRID-10A also be analyzed for benzo(a)pyrene. Based on analytical results for the GRID-10A delineation area, vertical delineation sample GRID-10A(2.0-2.5) exhibited concentrations of mercury and benzo(a)pyrene below their applicable NJDEP SRS. The horizontal delineation step outs were collected approximately 7.5 to 10.5 feet from the original GRID-10A location within the first ring and ranged from 15 to 18 feet from GRID-10A within the second ring. Both northern delineation samples, GRID-10A-N1 and GRID-10A-N2, exhibited concentrations (0.939 mg/kg and 0.822 mg/kg, respectively) of benzo(a)pyrene exceeding the NJDEP RIDSRS. Both southern delineation samples, GRID-10A-S1 and GRIS-10A-S2, exhibited concentrations (0.31 mg/kg and 0.98 mg/kg, respectively) of mercury exceeding the ARS-MGWSRS. Both GRID-10A-E1 and GRID-10A-W1 exhibited concentrations of benzo(a)pyrene and mercury below the applicable NJDEP SRS. Further investigation is recommended in the northern direction at GRID-10A to identify the extent of the benzo(a)pyrene exceedances and in the southern direction to identify the extent of mercury exceedances.

GRID-11

The COC at this grid location was benzo(a)pyrene. Based on analytical results for the GRID-11 delineation area, vertical delineation sample GRID-11(2.0-2.5) exhibited a concentration of benzo(a)pyrene (0.804 mg/kg) exceeding the NJDEP RIDSRS; its corresponding deeper delineation sample GRID-11(2.5-3.0) results did not exceed its applicable NJDEP SRS. The horizontal delineation step outs were collected approximately 7.5 feet from the original GRID-11 location within the first ring and ranged from 15 to 25 feet from GRID-11 within the second ring. The horizontal delineation sample GRID-11-N1 exhibited a concentration (0.89 mg.kg) exceeding the NJDEP RIDSRS; the second step out sample, GRID-11-N2, exhibited a concentration of benzo(a)pyrene below its applicable NJDEP SRS.

Both southern delineation samples GRID-11-S1 and GRID-11-S2 exhibited concentrations (0.561 mg/kg and 1.03 mg/kg, respectively) exceeding the NJDEP RIDSRS. Both delineation samples GRID-11-E1 and GRID-11-W1 exhibited concentrations of benzo(a)pyrene below its applicable NJDEP SRS. Further investigation is recommended in the southern direction at GRID-11 to identify the extent of the benzo(a)pyrene exceedances.

GRID-16

The COC at this grid location was benzo(a)pyrene. Based on analytical results for the GRID-16 delineation area, vertical delineation sample GRID-16(2.0-2.5) did not exhibit concentrations for benzo(a)pyrene above applicable NJDEP SRS. The horizontal delineation step outs were collected approximately 7.5 feet from the original GRID-16 location within the first ring and approximately 15 feet from GRID-16 within the second ring. The four horizontal delineation samples within the first delineation ring (GRID-16-N1, GRID-16-S1, GRID-16-E1, GRID-16-W1) did not detect benzo(a)pyrene; therefore, the second group of step out samples were not activated. Based on the analytical results, the vertical and horizontal delineation of GRID-16 is complete.

GRID-18

The COCs at this grid location were benzo(a)pyrene and benzo(a)anthracene. Based on analytical results for the GRID-18 delineation area, vertical delineation sample GRID-18(2.0-2.5) did not exhibit concentrations for benzo(a)pyrene or benzo(a)anthracene above applicable NJDEP SRS. The horizontal delineation step outs were collected approximately 7.5 feet from the original GRID-18 location within the first ring and approximately 15 to 36 feet from GRID-18 within the second ring. The four horizontal delineation samples within the first delineation ring (GRID-18-N1, GRID-18-S1, GRID-18-E1, GRID-18-W1) did not exhibit concentrations of benzo(a)pyrene or benzo(a)anthracene above applicable NJDEP SRS; therefore, the second group of step out samples were not activated. Based on the analytical results, the vertical and horizontal delineation of GRID-18 is complete.

GRID-20

The COCs at this grid location were benzo(a)pyrene and benzo(a)anthracene. Based on analytical results for the GRID-20 delineation area, vertical delineation sample GRID-20(2.0-2.5) exhibited a concentration (2.82 mg/kg) of benzo(a)pyrene exceeding the NJDEP NRIDSRS and a concentration (2.52 mg/kg) of benzo(a)anthracene exceeding the NJDEP ARS-MGWSRS; its corresponding deeper delineation sample GRID-20(2.5-3.0) identified a concentration (2.63 mg/kg) exceeding the NJDEP NRIDSRS for benzo(a)pyrene. The sample collected from 2.5 to 3.0 feet bgs was not released for the contingent benzo(a)anthracene analysis. The horizontal delineation step outs were collected approximately 7.5 to

10.5 feet from the original GRID-20 location within the first ring and ranged from 15 to 18 feet from GRID-20 within the second ring.

All delineation samples within the first step out ring, GRID-20-N1, GRID-20-S1, GRID-20-E1, and GRID-20-W1, exhibited concentrations (9.26 mg/kg, 6.22 mg/kg, 2.5 mg/kg, and 7.52 mg/kg, respectively) of benzo(a)pyrene exceeding both the NJDEP RIDSRS and the NRIDSRS. The corresponding further step out delineation samples GRID-20-N2, GRID-20-S2, GRID-20E2, and GRID-20-W2 exhibited concentrations (1.52 mg/kg, 0.868 mg/kg, 1.73 mg/kg, and 0.817 mg/kg, respectively) of benzo(a)pyrene exceeding the NJDEP RIDSRS. Samples GRID-20-N1, GRID-20-S1, and GRID-20-W1 exhibited concentrations (7.65 mg/kg, 5.44 mg/kg, and 6.74 mg/kg, respectively) of benzo(a)anthracene exceeding the NJDEP RIDSRS and sample GRID-20-E1 exhibited a concentration (2.35 mg/kg) of benzo(a)anthracene exceeding the ARS-MGWSRS. The corresponding second ring step out delineation samples GRID-20-N2, GRID-20-S2, and GRID-20-W2 exhibited concentrations of benzo(a)anthracene below all applicable NJDEP SRS. Sample GRID-20-E2 was not released for the contingent benzo(a)anthracene analysis.

Due to a discrepancy at the laboratory regarding the method hold times for the second vertical delineation sample and the second ring of step-out samples, these samples were analyzed outside of the required hold times and will not be used to determine clean boundaries of contamination in GRID-20. Based on the exceedances of benzo(a)pyrene identified both vertically and in all cardinal directions, this grid is expected to be delineated using clean samples from adjacent grid locations. Further investigation is recommended to identify the vertical extent of benzo(a)pyrene and benzo(a)anthracene exceedances.

GRID-21

The COC at this grid location was benzo(a)pyrene. Based on analytical results for the GRID-21 delineation area, vertical delineation sample GRID-21(2.0-2.5) exhibited concentrations of benzo(a)pyrene below all applicable NJDEP SRS. The horizontal delineation step outs to the north and east were collected approximately 7.5 to 17 feet from the original GRID-21 location within the first ring and ranged from 15 to 45 feet from GRID-21 within the second ring. During the collection of the delineation samples, it was determined that the proposed delineation sample locations (GRID-21-S1, GRID-21-S2, GRID-21-W1, and GRID-21-W2) were located within fill material which extended into the soil berm. As a result, samples were not collected at these locations. Given the planned remediation of the soil berm, which includes excavation and off-site disposal, the southern and western boundaries of GRID-21 are expected to be excavated along with the soil berm. Both northern delineation samples GRID-21-N1 and GRID-21-N2 exhibited concentrations (0.586 mg/kg and 1.06 mg/kg, respectively) of

benzo(a)pyrene exceeding the NJDEP RIDSRS. GRID-21-E1 exhibited a concentration of benzo(a)pyrene below its applicable NJDEP SRS. Further investigation is recommended in the northern direction at GRID-21 to identify the extent of the benzo(a)pyrene exceedances.

GRID-26

The COC at this grid location is benzo(a)pyrene. Based on analytical results for the GRID-26 delineation area, vertical delineation sample GRID-26(2.0-2.5) did not exhibit concentrations for benzo(a)pyrene above applicable NJDEP SRS. The horizontal delineation step outs were collected approximately 7.5 feet from the original GRID-26 location within the first ring and approximately 15 feet from GRID-26 within the second ring. The four horizontal delineation samples (GRID-26-N1, GRID-26-S1, GRID-26-E1, GRID-26-W1) from the first ring did not detect concentrations of benzo(a)pyrene; therefore, the second group of step out samples were not activated. Based on the analytical results, the vertical and horizontal delineation of GRID-26 is complete.

GRID-28

The COC at this grid location is benzo(a)pyrene. Based on analytical results for the GRID-28 delineation area, vertical delineation sample GRID-28(2.0-2.5) exhibited a concentration (0.772 mg/kg) of benzo(a)pyrene exceeding the NJDEP RIDSRS; its corresponding deeper delineation sample GRID-28(2.5-3.0) also exhibited a concentration (1.36 mg/kg) of benzo(a)pyrene exceeding the NJDEP RIDSRS. The horizontal delineation step outs were collected approximately 7.5 to 60 feet from the original GRID-28 location within the first ring and ranged from 15 to 72 feet from GRID-28 within the second ring. During the collection of the delineation samples, it was determined that horizontal delineation sample locations GRID-28-S1, GRID-28-S2, GRID-28-W1, and GRID-28-W2 were located within fill material which extended into the soil berm and were not analyzed. Given the planned remediation of the soil berm, which includes excavation and off-site disposal, the southern and western boundaries of GRID-28 are expected to be excavated along with the soil berm. Delineation samples, GRID-28-N1 and GRID-28-E1 did not detect concentrations of benzo(a)pyrene. Further investigation is recommended at GRID-28 to identify the vertical extent of the benzo(a)pyrene exceedances.

PESTICIDE QUALITY ASSURANCE/QUALITY CONTROL (QA/QC) SAMPLING

Samples collected as part of the June 2024 grid site investigation indicated a laboratory QA/QC discrepancy involving the Matrix Spike analysis on six pesticide compounds. Based on the NJDEPs BSWCE's November 2024 conditional approval, resampling for pesticides from the nine locations included in the RI delineation (GRID-4, GRID-10A, GRID-11, GRID-16, GRID-18, GRID-20, GRID-21, GRID-26, and GRID-28) was requested as a QA/QC check. A total of nine soil samples, GRID-4R, GRID-

10R, GRID-11R, GRID-16R, GRID-18R, GRID-20R, GRID-21R, GRID-26R, and GRID-28R, were collected and analyzed TCL Pesticides with Matrix Spike. All pesticide samples were collected at the same depths as the June 2024 samples, approximately 1.0 to 1.5 feet bgs. Laboratory analytical results indicated that one pesticide analyte, heptachlor epoxide, was identified in sample GRID-4R at a concentration (0.0799 mg/kg) exceeding the NJDEP's RIDSRS of 0.076 mg/kg. The presence of this pesticide may be linked to the maintained lawn of the residential structure on-site, as GRID-4R is located adjacent to it. The corresponding deeper sample collected from GRID 4 collected at 2.0 to 2.5 feet bgs was run for pesticides. Based on the analytical results, heptachlor epoxide was not detected exceeding any of the NJDEP SRS. The remaining samples collected to further assess pesticides (GRID-10R, GRID-11R, GRID-16R, GRID-18R, GRID-20R, GRID-21R, GRID-26R, GRID-28R) results did not exhibit concentrations of pesticides above applicable NJDEP SRS. The third-party data validation results for the pesticide samples showed that the matrix spike analyses were out of range, making it difficult to determine a clear direction or level of bias. Further investigation is necessary at GRID-4R to identify the horizontal extent of the heptachlor epoxide exceedance. The samples are included on the summary table, **Table 1**. The soil sample analytical results are summarized below and are illustrated on **Table 3**. Soil sample locations and analytical results are shown on **Figure 3** and **Table 3.** The soil boring logs are provided in **Appendix E**.

ADDITIONAL FILL MATERIAL CHARACTERIZATION SAMPLING

To further characterize the grids that were identified with impacted material, eight additional soil borings were advanced by EPI throughout the balance of the Site. The additional characterization soil borings were advanced within areas of uncharacterized, visually observed fill based on field observations by a representative from the NJDEP's BSWCE and Matrix. All soil borings were advanced to a depth of 4 feet bgs, with five-foot sampling cores using dedicated acetate sleeves with a Geoprobe. The soil was inspected for any potential visual or olfactory impacts, screened with a PID for organic vapors, and logged for material content and lithology. All additional characterization soil samples were collected at a depth of approximately 1.0 to 1.5 feet bgs, as field screening/observations indicated that interval was the bottom six inches of the imported fill material. There were no observations of elevated PID readings, odor, staining, or sheen throughout the soil column in any of the sample locations. Based on the approved NJDEP sampling workplan, eight soil samples (GRID-29 through GRID-36), were collected and submitted for TCL/TAL+30.

The samples are included on the summary table, **Table 1**. Soil boring locations and analytical results are shown on **Figure 4** and included in **Table 4**. Soil boring logs are provided in **Appendix E**.

Based on the analytical results, the additional characterization soil samples, GRID-29, GRID-30, GRID-32, GRID-33, GRID-35, and GRID-36, did not exhibit concentrations above applicable NJDEP SRS for VOCs, SVOCs, Pesticides, PCBs, and Metals. Soil samples, GRID-31 and GRID-34 exhibited concentrations (0.902 mg/kg and 1.06 mg/kg, respectively) of benzo(a)pyrene exceeding the NJDEP RIDSRS. GRID-31 and GRID-34 did not exhibit concentrations above applicable NJDEP SRS for any other compounds. Further investigation is recommended for the benzo(a)pyrene exceedances identified in the soil samples GRID-31 and GRID-34.

GRID SOIL/REMEDIAL INVESTIGATION – Additional VOC Sampling

To further understand potential VOC presence within the imported fill material and maintain compliance with applicable NJDEP CSRR requirements, additional VOC samples were collected and analyzed at sample locations that were originally sampled during the June 2024 grid site investigation. On November 26, 2024 seven soil borings were advanced at former sample locations GIRD-1, GRID-2, GRID-5, GRID-6, GRID-17, GRID-19, and GRID-25. These locations were selected based on the already acquired VOC data from the June 2024 sampling event to ensure that VOC analysis was collected throughout the entire Site. All soil borings were advanced with a Geoprobe to a depth of 4 feet bgs with five-foot sampling cores using dedicated acetate sleeves. The soil was inspected for any potential visual or olfactory impacts, screened with a PID for organic vapors, and logged for material content and lithology. All additional characterization soil samples were collected at depths of approximately 1.0 to 1.5 feet bgs. There were no observations of elevated PID readings, odor, staining, or sheen throughout the soil column in any of the sample locations. Seven samples were collected and submitted for TCL VOC+15 laboratory analysis.

The samples are included on the summary table, **Table 1**. Soil boring locations and analytical results are shown on **Figure 5** and **Table 5.** Along with the recently collected VOC samples, the previous sample locations and analytical results from the June 2024 site investigation are also included in **Table 5**. Soil boring logs are provided in **Appendix E**.

Based on the analytical results, the additional VOC characterization soil samples (GRID-1, GRID-2, GRID-5, GRID-6, GRID-17, GRID-19, and GRID-25) did not exhibit concentrations above applicable NJDEP SRS.

CONCLUSIONS

Based on the results of the RI sampling completed at the Site in November 2024, the boundaries of the delineation at grid locations GRID-16, GRID-18, and GRID-26 have been identified. Matrix recommends

excavation and offsite disposal to the extents identified in the RI. In an effort to minimize the volume of soil that will need to be removed from the site to satisfy BSWCE, Matrix recommends further investigation for grids: GRID-10A, GRID-11, GRID-20, GRID-21, and GRID-28 associated with the benzo(a)pyrene, benzo(a)anthracene, and/or mercury exceedances. In addition, Matrix recommends further investigation at sample location GRID-4R associated with the pesticide exceedance and GRID-31 and GRID-34 for the benzo(a)pyrene exceedance of the RIDSRS.

Based on the NJDEP's *Groundwater Technical Guidance: Site Investigation, Remedial, and Remedial Action Performance Monitoring*, the results of the soil sampling completed as part of this RI do not trigger a groundwater investigation. Matrix will coordinate with the Village of Ridgewood and the NJDEP to prepare a scope of work to continue to investigate soil contamination at the Site with the goal of developing a Remedial Action plan.

If you have any questions or require any additional information, do not hesitate to contact us at (973) 240-1800.

Sincerely,

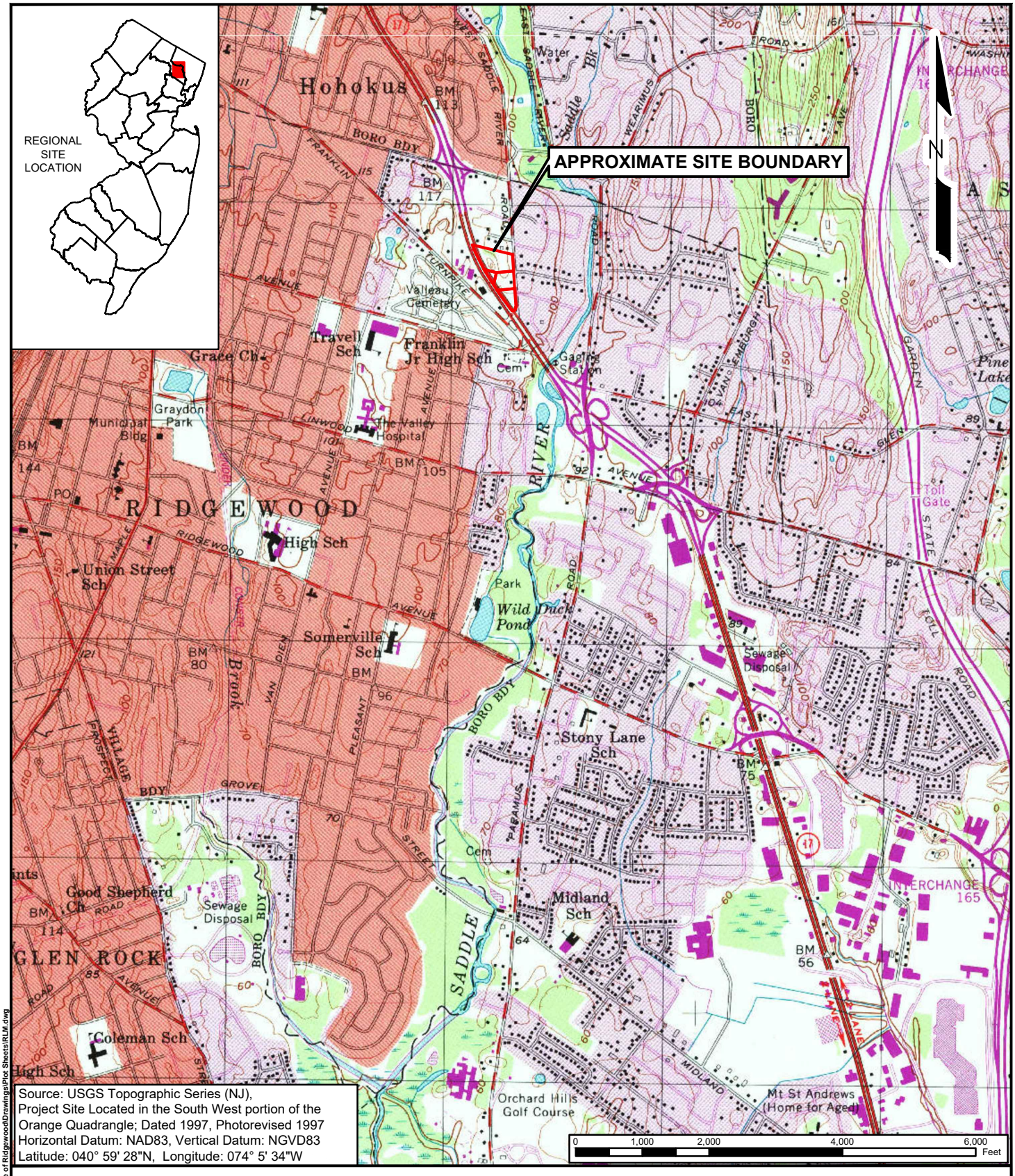
Melissa Feury
Project Manager

Chris Pittarese, LSRP
Senior Project Manager

Enclosed:
Figure 1 – Site Location Map
Figure 2 – Grid Delineation Sample Locations and Soil Analytical Results
Figure 2A – GRID-4 Delineation Sampling Analytical Results
Figure 2B – GRID-10A Delineation Sampling Analytical Results
Figure 2C – GRID-11 Delineation Sampling Analytical Results
Figure 2D – GRID-16 Delineation Sampling Analytical Results
Figure 2E – GRID-18 Delineation Sampling Analytical Results
Figure 2F – GRID-20 Delineation Sampling Analytical Results
Figure 2G – GRID-21 Delineation Sampling Analytical Results
Figure 2H – GRID-26 Delineation Sampling Analytical Results
Figure-2I – GRID-28 Delineation Sampling Analytical Results
Figure 3 – Pesticide QA/QC Sample Locations and Soil Analytical Results
Figure 4 – Additional Fill Characterization Sample Locations and Soil Analytical Results
Figure 5 – Additional VOC Sample Locations and Soil Analytical Results
Table 1 – Sample Summary Table
Table 2 – Grid Delineation Sampling Soil Analytical Results Table
Table 3 – Pesticide QA/QC Sampling Soil Analytical Results Table
Table 4 – Additional Fill Material Characterization Sampling Soil Analytical Results Table
Table 5 – Additional VOC Sampling Soil Analytical Results Table

Appendix A – NJDEP December 11, 2023 Correspondence
Appendix B – NJDEP Signed Conditional Sampling Plan Approval June 20, 2024
Appendix C – Sampling Workplan
Appendix D – NJDEP Signed Conditional Sampling Plan Approval November 8, 2024
Appendix E – Soil Boring Logs
Appendix F – Nankoweep Data Validation Reports
Appendix G – SGS Laboratory Reports

FIGURES



Source: USGS Topographic Series (NJ),
Project Site Located in the South West portion of the Orange Quadrangle; Dated 1997, Photorevised 1997
Horizontal Datum: NAD83, Vertical Datum: NGVD83
Latitude: 040° 59' 28"N, Longitude: 074° 5' 34"W

SITE LOCATION MAP

MATRIX NEW WORLD
Engineering Progress
Matrix New World Engineering, Land Surveying and Landscape Architecture, P.C.
26 Columbia Turnpike
Florham Park, New Jersey 07932
Certified WBE
Tel: 973-240-1800
Fax: 973-240-1818
www.mnwe.com

VILLAGE OF RIDGEWOOD
BLOCK 4704, LOTS 9, 10, 11, & 12
VILLAGE OF RIDGEWOOD
BERGEN COUNTY, NEW JERSEY

SCALE:	PROJECT NO.:	DATE:	FIGURE NO.:
1 : 2,000	23-1429	MARCH 2024	1

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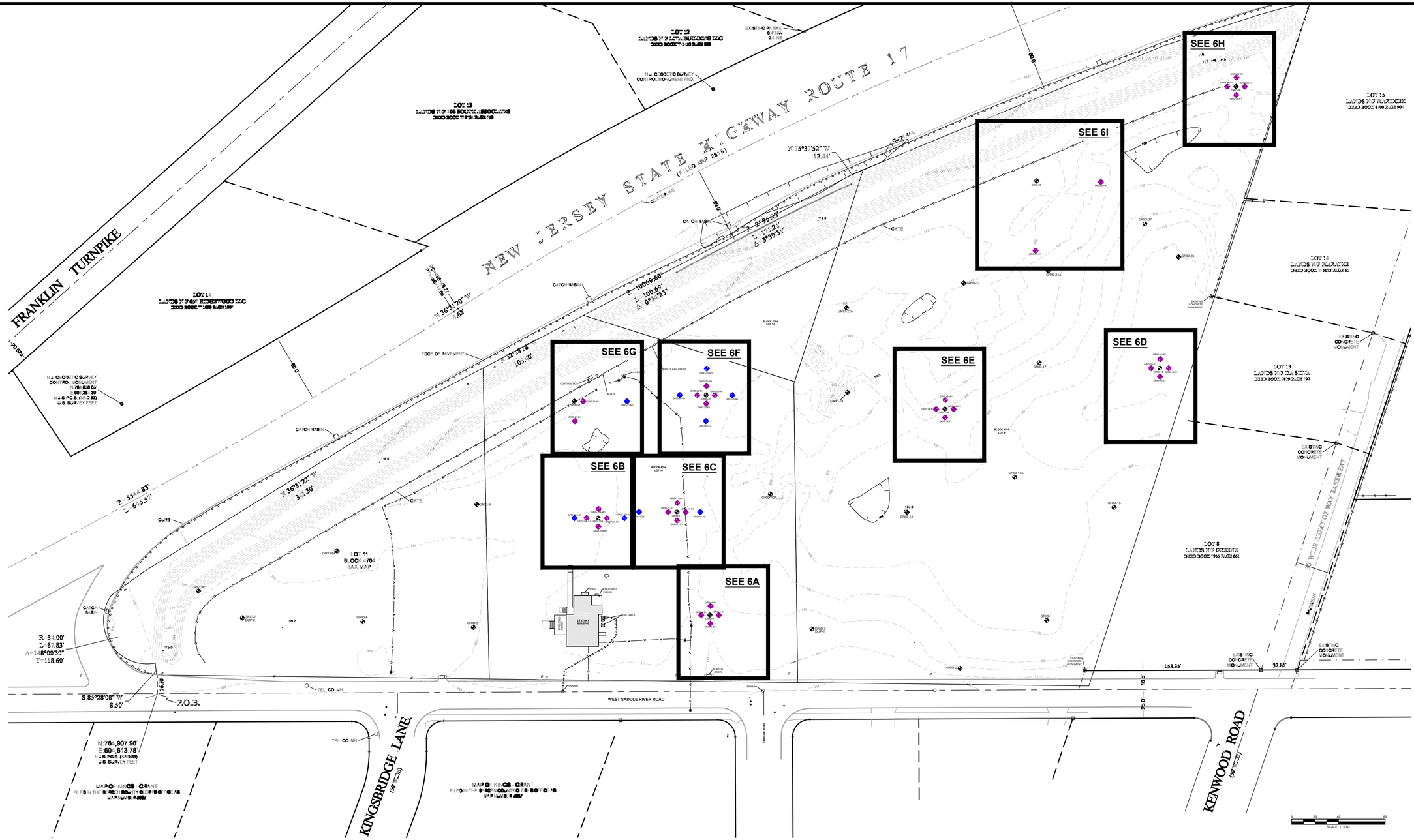

LEGEND

GRID-XX	GRID SOIL SAMPLE LOCATION
	HORIZONTAL DELINEATION - 1ST RING SOIL SAMPLE LOCATION
	HORIZONTAL DELINEATION - 2ND RING SOIL SAMPLE LOCATION
	AREA OF DELINEATION - SEE NOTE

DESIGNED BY: MED	REVIEWED BY: KP	RELEASED BY: MF

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www.mnwe.com
NEW JERSEY CERTIFICATE OF AUTHORIZATION No. 24GA27982300

GRID SAMPLE LOCATIONS KEY MAP WITH ADDITIONAL CHARACTERIZATION SAMPLE LOCATIONS

VILLAGE OF RIDGEWOOD
BLOCK 4704, LOTS 9, 10, 11 & 12
WEST SADDLE RIVER ROAD
VILLAGE OF RIDGEWOOD
BERGEN COUNTY, NEW JERSEY

PROJECT NUMBER: 23-1429

SCALE: AS SHOWN

DATE: 1/15/2025

2

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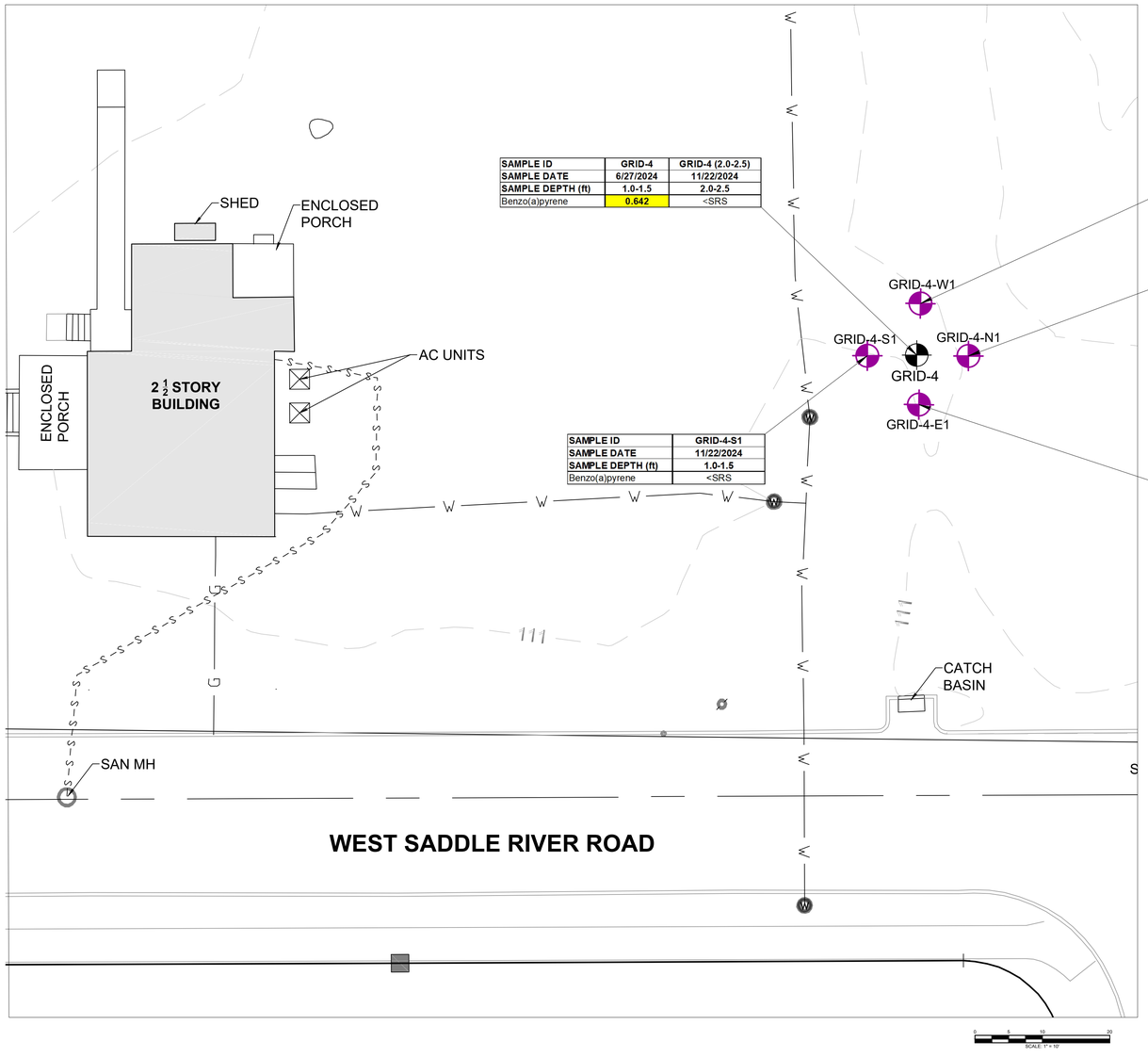


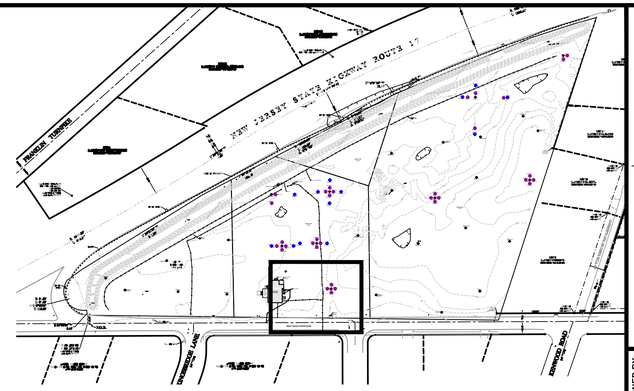
SAMPLE ID	GRID-4	GRID-4 (2.0-2.5)
SAMPLE DATE	6/27/2024	11/22/2024
SAMPLE DEPTH (ft)	1.0-1.5	2.0-2.5
Benzo(a)pyrene	**0.642**	<SRS

SAMPLE ID	GRID-4-W1
SAMPLE DATE	11/22/2024
SAMPLE DEPTH (ft)	1.0-1.5
Benzo(a)pyrene	<SRS

SAMPLE ID	GRID-4-N1
SAMPLE DATE	11/22/2024
SAMPLE DEPTH (ft)	1.0-1.5
Benzo(a)pyrene	<SRS

SAMPLE ID	GRID-4-S1
SAMPLE DATE	11/22/2024
SAMPLE DEPTH (ft)	1.0-1.5
Benzo(a)pyrene	<SRS

SAMPLE ID	GRID-4-E1
SAMPLE DATE	11/22/2024
SAMPLE DEPTH (ft)	1.0-1.5
Benzo(a)pyrene	<SRS



KEY MAP

LEGEND

GRID-XX	GRID SOIL SAMPLE LOCATION
	HORIZONTAL DELINEATION - 1ST RING SOIL SAMPLE LOCATION
	HORIZONTAL DELINEATION - 2ND RING SOIL SAMPLE LOCATION
Bold and italic	EXCEEDS NJDEP MGWSRS/AR-MGWSRS
Bold	EXCEEDS NJDEP RIDSRS/RISRS
Bold and underlined	EXCEEDS NJDEP NRIDSRS/NRISRS

SVOCs	SEMI-VOLATILE ORGANIC COMPOUNDS
PCBs	POLYCHLORINATED BIPHENYLS
NC	NO CRITERIA ESTABLISHED FOR THIS CONTAMINANT
SRS	SOIL REMEDIATION STANDARDS CRITERIA
NJDEP	NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
MGWSRS	MIGRATION TO GROUNDWATER EXPOSURE PATHWAY SOIL REMEDIATION STANDARDS
RIDSRS	RESIDENTIAL INGESTION-DERMAL EXPOSURE PATHWAY SOIL REMEDIATION STANDARDS
RISRS	RESIDENTIAL INHALATION EXPOSURE PATHWAY SOIL REMEDIATION STANDARDS
NRIDSRS	NON-RESIDENTIAL INGESTION-DERMAL EXPOSURE PATHWAY SOIL REMEDIATION STANDARDS
AR-MGWSRS	ALTERNATIVE REMEDIATION - MIGRATION TO GROUNDWATER SOIL REMEDIATION STANDARD
*	AR-MGWSRS UTILIZED AS STANDARD

ALL ANALYTICAL RESULTS FOR SOIL IN MILLIGRAMS PER KILOGRAM (mg/kg)

ALL SAMPLE DEPTHS PRESENTED IN ft, bgs (FEET BELOW GROUND SURFACE)

SITE SPECIFIC MIGRATION TO GROUNDWATER SOIL REMEDIATION STANDARD (MGWSRS) WAS CALCULATED FOR BENZO(A)ANTHRACENE' LEAD, AND MERCURY USING NJDEP'S SPLP SPREADSHEET, V1.0, MAY 2021.

UNSATURATED SOIL SAMPLES COMPARED TO MGWSRS/AR-MGWSRS

NJDEP Soil Remediation Standards Criteria		NJ Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Migration to Groundwater Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)
Compound						
SVOCs	Benzo(a)pyrene	0.51	2.3	3500	16000	NC

MATRIX NEW WORLD
Engineering Progress

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www.mnwe.com

NEW JERSEY CERTIFICATE OF AUTHORIZATION No. 24GA27982300

DESIGNED BY: MED
REVIEWED BY: KP
RELEASED BY: MF

GRID-4
DELINEATION SAMPLING ANALYTICAL RESULTS

VILLAGE OF RIDGEWOOD
BLOCK 4704, LOTS 9, 10, 11 & 12
WEST SADDLE RIVER ROAD
VILLAGE OF RIDGEWOOD
BERGEN COUNTY, NEW JERSEY

PROJECT NUMBER: 23-1429

SCALE: AS SHOWN

DATE: 1/15/2025

2A

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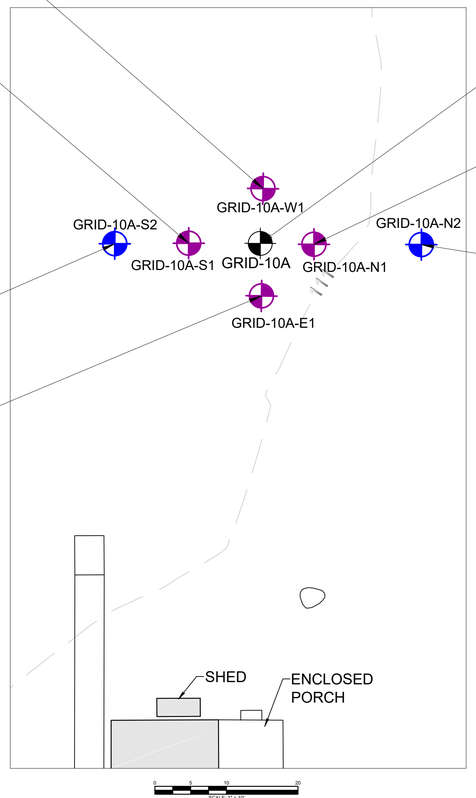


SAMPLE ID	GRID-10A-W1
SAMPLE DATE	11/22/2024
SAMPLE DEPTH (ft)	1.0-1.5
Benzo(a)pyrene	<SRS
Mercury	<SRS

SAMPLE ID	GRID-10A-S1
SAMPLE DATE	11/22/2024
SAMPLE DEPTH (ft)	1.0-1.5
Benzo(a)pyrene	<SRS
Mercury	***0.31***

SAMPLE ID	GRID-10A-S2
SAMPLE DATE	11/22/2024
SAMPLE DEPTH (ft)	1.0-1.5
Benzo(a)pyrene	NA
Mercury	***0.98***

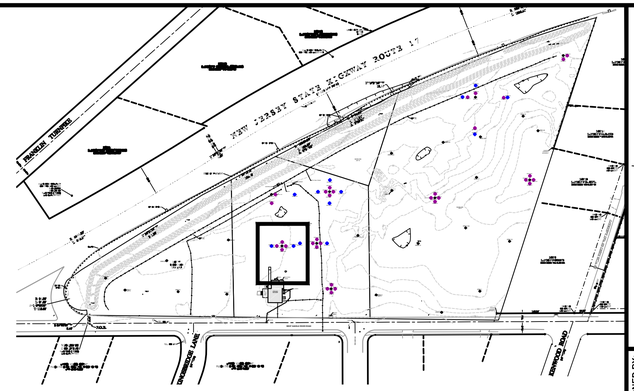
SAMPLE ID	GRID-10A-E1
SAMPLE DATE	11/22/2024
SAMPLE DEPTH (ft)	1.0-1.5
Benzo(a)pyrene	<SRS
Mercury	<SRS

SAMPLE ID	GRID-10A	GRID-10A (2.0-2.5)
SAMPLE DATE	6/27/2024	11/22/2024
SAMPLE DEPTH (ft)	1.0-1.5	2.0-2.5
Benzo(a)pyrene	<SRS	<SRS
Mercury	***1***	<SRS

SAMPLE ID	GRID-10A-N1
SAMPLE DATE	11/22/2024
SAMPLE DEPTH (ft)	1.0-1.5
Benzo(a)pyrene	**0.939**
Mercury	<SRS

SAMPLE ID	GRID-10A-N2
SAMPLE DATE	11/22/2024
SAMPLE DEPTH (ft)	1.0-1.5
Benzo(a)pyrene	**0.822**
Mercury	NA

NJDEP Soil Remediation Standards Criteria		NJ Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Migration to Groundwater Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)
Compound						
SVOCs	Benzo(a)pyrene	0.51	2.3	3500	16000	NC
Metals	Mercury	23	390	520000	NC	0.29*



KEY MAP

LEGEND

GRID-XX — GRID SOIL SAMPLE LOCATION

HORIZONTAL DELINEATION - 1ST RING SOIL SAMPLE LOCATION

HORIZONTAL DELINEATION - 2ND RING SOIL SAMPLE LOCATION

Bold and italic — EXCEEDS NJDEP MGWSRS/AR-MGWSRS

Bold — EXCEEDS NJDEP RIDSRS/RISRS

Bold and underlined — EXCEEDS NJDEP NRIDSRS/NRISRS

SVOCs	SEMI-VOLATILE ORGANIC COMPOUNDS
PCBs	POLYCHLORINATED BIPHENYLS
NC	NO CRITERIA ESTABLISHED FOR THIS CONTAMINANT
SRS	SOIL REMEDIATION STANDARDS CRITERIA
NJDEP	NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
MGWSRS	MIGRATION TO GROUNDWATER EXPOSURE PATHWAY SOIL REMEDIATION STANDARDS
RIDSRS	RESIDENTIAL INGESTION-DERMAL EXPOSURE PATHWAY SOIL REMEDIATION STANDARDS
RISRS	RESIDENTIAL INHALATION EXPOSURE PATHWAY SOIL REMEDIATION STANDARDS
NRIDSRS	NON-RESIDENTIAL INGESTION-DERMAL EXPOSURE PATHWAY SOIL REMEDIATION STANDARDS
AR-MGWSRS	ALTERNATIVE REMEDIATION - MIGRATION TO GROUNDWATER SOIL REMEDIATION STANDARD
*	AR-MGWSRS UTILIZED AS STANDARD

ALL ANALYTICAL RESULTS FOR SOIL IN MILLIGRAMS PER KILOGRAM (mg/kg)

ALL SAMPLE DEPTHS PRESENTED IN ft, bgs (FEET BELOW GROUND SURFACE)

SITE SPECIFIC MIGRATION TO GROUNDWATER SOIL REMEDIATION STANDARD (MGWSRS) WAS CALCULATED FOR BENZO(A)ANTHRACENE' LEAD, AND MERCURY USING NJDEP'S SPLP SPREADSHEET, V1.0, MAY 2021.

UNSATURATED SOIL SAMPLES COMPARED TO MGWSRS/AR-MGWSRS

DESIGNED BY: MED | REVIEWED BY: KP | RELEASED BY: MF

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www.mnwe.com
NEW JERSEY CERTIFICATE OF AUTHORIZATION No. 24GA27982300

GRID-10A
DELINEATION SAMPLING ANALYTICAL RESULTS

VILLAGE OF RIDGEWOOD
BLOCK 4704, LOTS 9, 10, 11 & 12
WEST SADDLE RIVER ROAD
VILLAGE OF RIDGEWOOD
BERGEN COUNTY, NEW JERSEY

PROJECT NUMBER: 23-1429

SCALE: AS SHOWN

DATE: 1/15/2025

2B

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SAMPLE ID	GRID-11	GRID-11 (2.0-2.5)	GRID-11 (2.5-3.0)
SAMPLE DATE	6/27/2024	11/22/2024	11/22/2024
SAMPLE DEPTH (ft)	1.0-1.5	2.0-2.5	2.5-3.0
Benzo(a)pyrene	**0.997**	**0.804**	<SRS

SAMPLE ID	GRID-11-W1
SAMPLE DATE	11/22/2024
SAMPLE DEPTH (ft)	1.0-1.5
Benzo(a)pyrene	<SRS

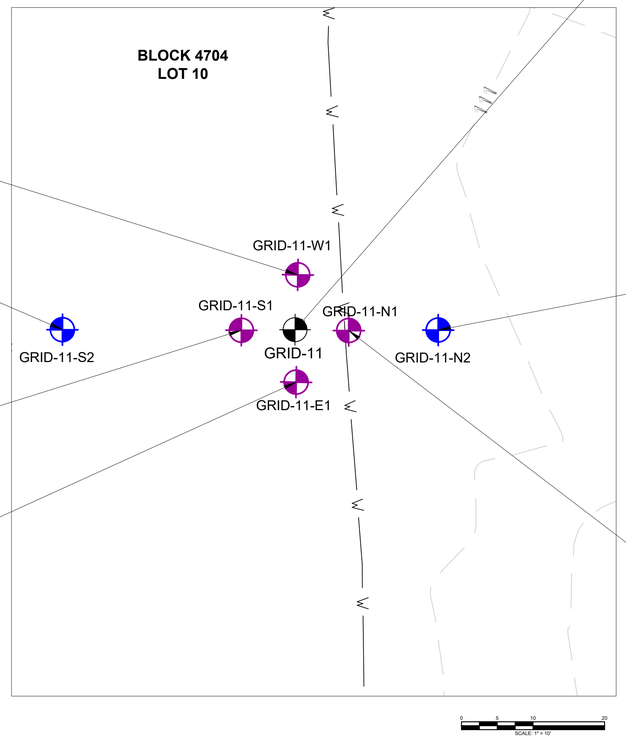
SAMPLE ID	GRID-11-S2
SAMPLE DATE	11/22/2024
SAMPLE DEPTH (ft)	1.0-1.5
Benzo(a)pyrene	**1.03**

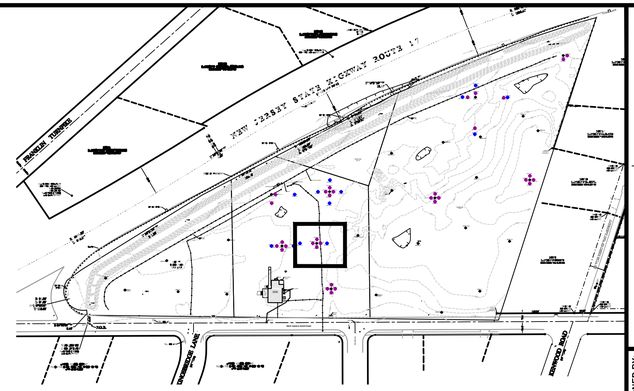
SAMPLE ID	GRID-11-N2
SAMPLE DATE	11/22/2024
SAMPLE DEPTH (ft)	1.0-1.5
Benzo(a)pyrene	<SRS

SAMPLE ID	GRID-11-S1
SAMPLE DATE	11/22/2024
SAMPLE DEPTH (ft)	1.0-1.5
Benzo(a)pyrene	**0.561**

SAMPLE ID	GRID-11-E1
SAMPLE DATE	11/22/2024
SAMPLE DEPTH (ft)	1.0-1.5
Benzo(a)pyrene	<SRS

SAMPLE ID	GRID-11-N1
SAMPLE DATE	11/22/2024
SAMPLE DEPTH (ft)	1.0-1.5
Benzo(a)pyrene	**0.89**





KEY MAP

LEGEND

GRID-XX — GRID SOIL SAMPLE LOCATION

HORIZONTAL DELINEATION - 1ST RING SOIL SAMPLE LOCATION

HORIZONTAL DELINEATION - 2ND RING SOIL SAMPLE LOCATION

Bold and italic — EXCEEDS NJDEP MGWSRS/AR-MGWSRS

Bold — EXCEEDS NJDEP RIDSRS/RISRS

Bold and underlined — EXCEEDS NJDEP NRIDSRS/NRISRS

SVOCs	SEMI-VOLATILE ORGANIC COMPOUNDS
PCBs	POLYCHLORINATED BIPHENYLS
NC	NO CRITERIA ESTABLISHED FOR THIS CONTAMINANT
SRS	SOIL REMEDIATION STANDARDS CRITERIA
NJDEP	NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
MGWSRS	MIGRATION TO GROUNDWATER EXPOSURE PATHWAY SOIL REMEDIATION STANDARDS
RIDSRS	RESIDENTIAL INGESTION-DERMAL EXPOSURE PATHWAY SOIL REMEDIATION STANDARDS
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AR-MGWSRS	ALTERNATIVE REMEDIATION - MIGRATION TO GROUNDWATER SOIL REMEDIATION STANDARD
*	AR-MGWSRS UTILIZED AS STANDARD

ALL ANALYTICAL RESULTS FOR SOIL IN MILLIGRAMS PER KILOGRAM (mg/kg)

ALL SAMPLE DEPTHS PRESENTED IN ft, bgs (FEET BELOW GROUND SURFACE)

SITE SPECIFIC MIGRATION TO GROUNDWATER SOIL REMEDIATION STANDARD (MGWSRS) WAS CALCULATED FOR BENZO(A)ANTHRACENE' LEAD, AND MERCURY USING NJDEP'S SPLP SPREADSHEET, V1.0, MAY 2021.

UNSATURATED SOIL SAMPLES COMPARED TO MGWSRS/AR-MGWSRS

NJDEP Soil Remediation Standards Criteria		NJ Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Migration to Groundwater Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)
Compound						
SVOCs	Benzo(a)pyrene	0.51	2.3	3500	16000	NC

DESIGNED BY: MED
REVIEWED BY: KP
RELEASED BY: MF

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NEW JERSEY CERTIFICATE OF AUTHORIZATION No. 24GA27982300

GRID-11
DELINEATION SAMPLING ANALYTICAL RESULTS

VILLAGE OF RIDGEWOOD
BLOCK 4704, LOTS 9, 10, 11 & 12
WEST SADDLE RIVER ROAD
VILLAGE OF RIDGEWOOD
BERGEN COUNTY, NEW JERSEY

PROJECT NUMBER: 23-1429

SCALE: AS SHOWN

DATE: 1/15/2025

2C

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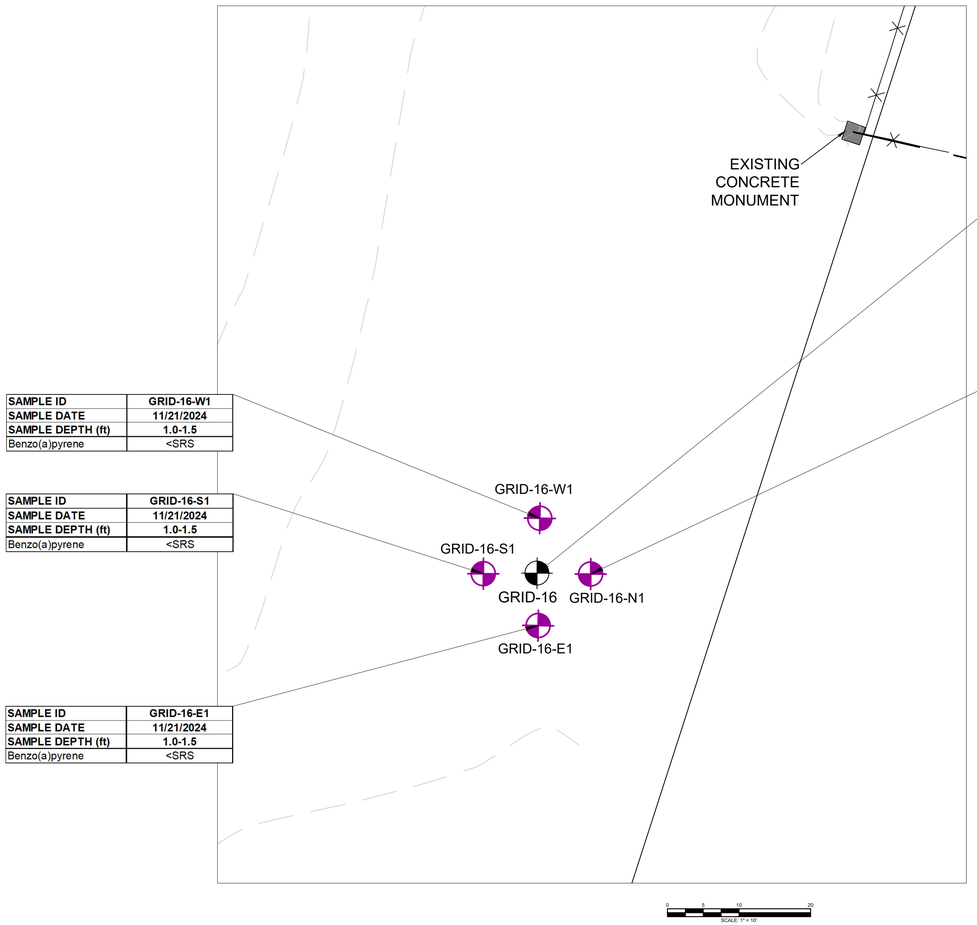


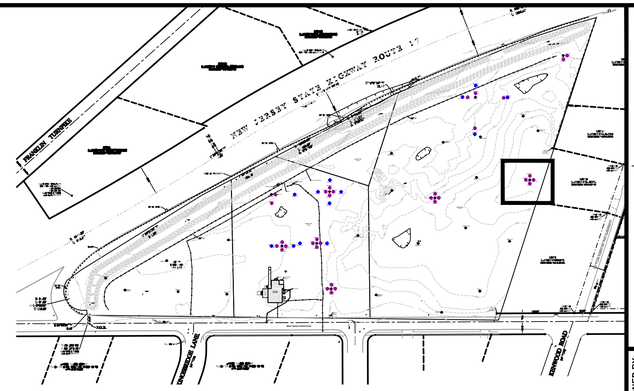
SAMPLE ID	GRID-16	GRID-16 (2.0-2.5)
SAMPLE DATE	6/26/2024	11/21/2024
SAMPLE DEPTH (ft)	1.0-1.5	2.0-2.5
Benzo(a)pyrene	**0.81**	<SRS

SAMPLE ID	GRID-16-W1
SAMPLE DATE	11/21/2024
SAMPLE DEPTH (ft)	1.0-1.5
Benzo(a)pyrene	<SRS

SAMPLE ID	GRID-16-N1
SAMPLE DATE	11/21/2024
SAMPLE DEPTH (ft)	1.0-1.5
Benzo(a)pyrene	<SRS

SAMPLE ID	GRID-16-S1
SAMPLE DATE	11/21/2024
SAMPLE DEPTH (ft)	1.0-1.5
Benzo(a)pyrene	<SRS

SAMPLE ID	GRID-16-E1
SAMPLE DATE	11/21/2024
SAMPLE DEPTH (ft)	1.0-1.5
Benzo(a)pyrene	<SRS



KEY MAP

LEGEND

GRID-XX — GRID SOIL SAMPLE LOCATION

HORIZONTAL DELINEATION - 1ST RING SOIL SAMPLE LOCATION

HORIZONTAL DELINEATION - 2ND RING SOIL SAMPLE LOCATION

Bold and italic — EXCEEDS NJDEP MGWSRS/AR-MGWSRS

Bold — EXCEEDS NJDEP RIDSRS/RISRS

Bold and underlined — EXCEEDS NJDEP NRIDSRS/NRISRS

SVOCs	SEMI-VOLATILE ORGANIC COMPOUNDS
PCBs	POLYCHLORINATED BIPHENYLS
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ALL SAMPLE DEPTHS PRESENTED IN ft, bgs (FEET BELOW GROUND SURFACE)

SITE SPECIFIC MIGRATION TO GROUNDWATER SOIL REMEDIATION STANDARD (MGWSRS) WAS CALCULATED FOR BENZO(A)ANTHRACENE' LEAD, AND MERCURY USING NJDEP'S SPLP SPREADSHEET, V1.0, MAY 2021.

UNSATURATED SOIL SAMPLES COMPARED TO MGWSRS/AR-MGWSRS

NJDEP Soil Remediation Standards Criteria		NJ Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Migration to Groundwater Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)
Compound						
SVOCs	Benzo(a)pyrene	0.51	2.3	3500	16000	NC

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Tel: 973-240-1800
Fax: 973-240-1818
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NEW JERSEY CERTIFICATE OF AUTHORIZATION No. 24GA27982300

DESIGNED BY: MED | REVIEWED BY: KP | RELEASED BY: MF

GRID-16
DELINEATION SAMPLING ANALYTICAL RESULTS

VILLAGE OF RIDGEWOOD
BLOCK 4704, LOTS 9, 10, 11 & 12
WEST SADDLE RIVER ROAD
VILLAGE OF RIDGEWOOD
BERGEN COUNTY, NEW JERSEY

PROJECT NUMBER: 23-1429

SCALE: AS SHOWN

DATE: 1/15/2025

2D

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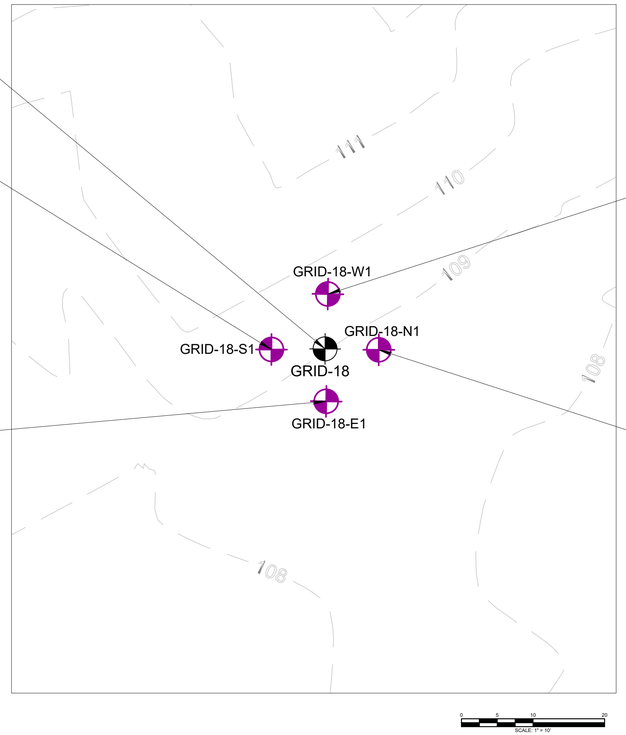
SAMPLE ID	GRID-18	GRID-18 (2.0-2.5)
SAMPLE DATE	6/26/2024	11/21/2024
SAMPLE DEPTH (ft)	1.0-1.5	2.0-2.5
Benzo(a)anthracene	2.37	<SRS
Benzo(a)pyrene	2.41	<SRS

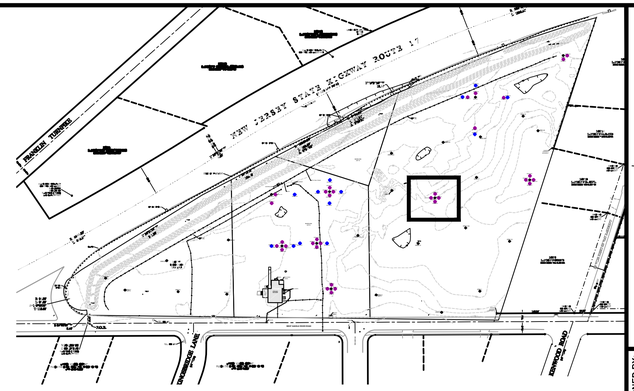
SAMPLE ID	GRID-18-S1
SAMPLE DATE	11/22/2024
SAMPLE DEPTH (ft)	1.0-1.5
Benzo(a)anthracene	<SRS
Benzo(a)pyrene	<SRS

SAMPLE ID	GRID-18-W1
SAMPLE DATE	11/22/2024
SAMPLE DEPTH (ft)	1.0-1.5
Benzo(a)anthracene	<SRS
Benzo(a)pyrene	<SRS

SAMPLE ID	GRID-18-E1
SAMPLE DATE	11/22/2024
SAMPLE DEPTH (ft)	1.0-1.5
Benzo(a)anthracene	<SRS
Benzo(a)pyrene	<SRS

SAMPLE ID	GRID-18-N1
SAMPLE DATE	11/22/2024
SAMPLE DEPTH (ft)	1.0-1.5
Benzo(a)anthracene	<SRS
Benzo(a)pyrene	<SRS





KEY MAP

LEGEND

GRID-XX — GRID SOIL SAMPLE LOCATION

HORIZONTAL DELINEATION - 1ST RING SOIL SAMPLE LOCATION

HORIZONTAL DELINEATION - 2ND RING SOIL SAMPLE LOCATION

Bold and italic — EXCEEDS NJDEP MGWSRS/AR-MGWSRS

Bold — EXCEEDS NJDEP RIDSRS/RISRS

Bold and underlined — EXCEEDS NJDEP NRIDSRS/NRISRS

SVOCs	SEMI-VOLATILE ORGANIC COMPOUNDS
PCBs	POLYCHLORINATED BIPHENYLS
NC	NO CRITERIA ESTABLISHED FOR THIS CONTAMINANT
SRS	SOIL REMEDIATION STANDARDS CRITERIA
NJDEP	NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
MGWSRS	MIGRATION TO GROUNDWATER EXPOSURE PATHWAY SOIL REMEDIATION STANDARDS
RIDSRS	RESIDENTIAL INGESTION-DERMAL EXPOSURE PATHWAY SOIL REMEDIATION STANDARDS
RISRS	RESIDENTIAL INHALATION EXPOSURE PATHWAY SOIL REMEDIATION STANDARDS
NRIDSRS	NON-RESIDENTIAL INGESTION-DERMAL EXPOSURE PATHWAY SOIL REMEDIATION STANDARDS
AR-MGWSRS	ALTERNATIVE REMEDIATION - MIGRATION TO GROUNDWATER SOIL REMEDIATION STANDARD
*	AR-MGWSRS UTILIZED AS STANDARD

ALL ANALYTICAL RESULTS FOR SOIL IN MILLIGRAMS PER KILOGRAM (mg/kg)

ALL SAMPLE DEPTHS PRESENTED IN ft, bgs (FEET BELOW GROUND SURFACE)

SITE SPECIFIC MIGRATION TO GROUNDWATER SOIL REMEDIATION STANDARD (MGWSRS) WAS CALCULATED FOR BENZO(A)ANTHRACENE' LEAD, AND MERCURY USING NJDEP'S SPLP SPREADSHEET, V1.0, MAY 2021.

UNSATURATED SOIL SAMPLES COMPARED TO MGWSRS/AR-MGWSRS

NJDEP Soil Remediation Standards Criteria		NJ Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Migration to Groundwater Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)
Compound						
SVOCs	Benzo(a)anthracene	5.1	23	78000	370000	1.85*
	Benzo(a)pyrene	0.51	2.3	3500	16000	NC

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NEW JERSEY CERTIFICATE OF AUTHORIZATION No. 24GA27982300

DESIGNED BY: MED
REVIEWED BY: KP
Rreleased BY: MF

GRID-18
DELINEATION SAMPLING ANALYTICAL RESULTS

VILLAGE OF RIDGEWOOD
BLOCK 4704, LOTS 9, 10, 11 & 12
WEST SADDLE RIVER ROAD
VILLAGE OF RIDGEWOOD
BERGEN COUNTY, NEW JERSEY

PROJECT NUMBER: 23-1429

SCALE: AS SHOWN

DATE: 1/15/2025

2E

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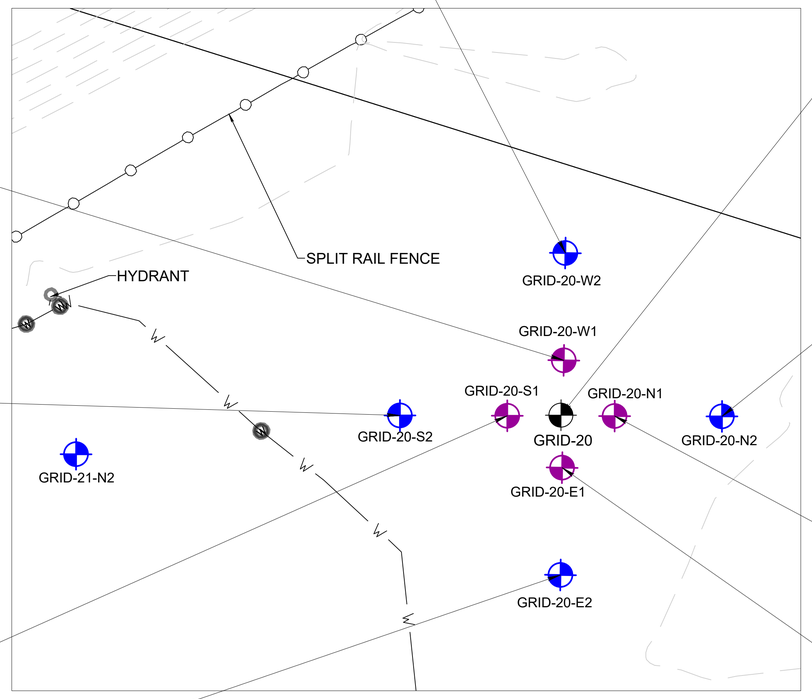
SAMPLE ID	GRID-20-W2
SAMPLE DATE	11/26/2024
SAMPLE DEPTH (ft)	1.0-1.5
Benzo(a)anthracene	<SRS
Benzo(a)pyrene	0.817

SAMPLE ID	GRID-20-W1
SAMPLE DATE	11/26/2024
SAMPLE DEPTH (ft)	1.0-1.5
Benzo(a)anthracene	6.74
Benzo(a)pyrene	7.52

SAMPLE ID	GRID-20-S2
SAMPLE DATE	11/26/2024
SAMPLE DEPTH (ft)	1.0-1.5
Benzo(a)anthracene	<SRS
Benzo(a)pyrene	0.868

SAMPLE ID	GRID-20-S1
SAMPLE DATE	11/26/2024
SAMPLE DEPTH (ft)	1.0-1.5
Benzo(a)anthracene	5.44
Benzo(a)pyrene	6.22

SAMPLE ID	GRID-20-E2
SAMPLE DATE	11/26/2024
SAMPLE DEPTH (ft)	1.0-1.5
Benzo(a)anthracene	NA
Benzo(a)pyrene	1.73

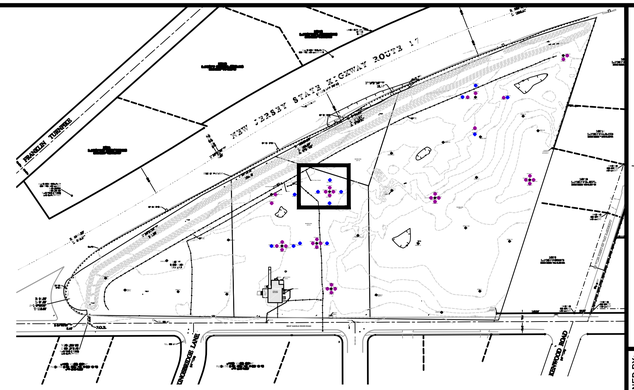


SAMPLE ID	GRID-20	GRID-20 (2.0-2.5)	GRID-20 (2.5-3.0)
SAMPLE DATE	6/27/2024	11/26/2024	11/26/2024
SAMPLE DEPTH (ft)	1.0-1.5	2.0-2.5	2.5-3.0
Benzo(a)anthracene	3.37	2.52	NA
Benzo(a)pyrene	3.35	2.82	2.63

SAMPLE ID	GRID-20-N2
SAMPLE DATE	11/26/2024
SAMPLE DEPTH (ft)	1.0-1.5
Benzo(a)anthracene	<SRS
Benzo(a)pyrene	1.52

SAMPLE ID	GRID-20-N1
SAMPLE DATE	11/26/2024
SAMPLE DEPTH (ft)	1.0-1.5
Benzo(a)anthracene	7.65
Benzo(a)pyrene	9.26

SAMPLE ID	GRID-20-E1
SAMPLE DATE	11/26/2024
SAMPLE DEPTH (ft)	1.0-1.5
Benzo(a)anthracene	2.35
Benzo(a)pyrene	2.5



KEY MAP

LEGEND

GRID-XX	GRID SOIL SAMPLE LOCATION
	HORIZONTAL DELINEATION - 1ST RING SOIL SAMPLE LOCATION
	HORIZONTAL DELINEATION - 2ND RING SOIL SAMPLE LOCATION
Bold and italic	EXCEEDS NJDEP MGWSRS/AR-MGWSRS
Bold	EXCEEDS NJDEP RIDSRS/RISRS
Bold and underlined	EXCEEDS NJDEP NRIDSRS/NRISRS

SVOCs	SEMI-VOLATILE ORGANIC COMPOUNDS
PCBs	POLYCHLORINATED BIPHENYLS
NA	NOT ANALYZED
NC	NO CRITERIA ESTABLISHED FOR THIS CONTAMINANT
SRS	SOIL REMEDIATION STANDARDS CRITERIA
NJDEP	NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
MGWSRS	MIGRATION TO GROUNDWATER EXPOSURE PATHWAY SOIL REMEDIATION STANDARDS
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ALL ANALYTICAL RESULTS FOR SOIL IN MILLIGRAMS PER KILOGRAM (mg/kg)

ALL SAMPLE DEPTHS PRESENTED IN ft, bgs (FEET BELOW GROUND SURFACE)

SITE SPECIFIC MIGRATION TO GROUNDWATER SOIL REMEDIATION STANDARD (MGWSRS) WAS CALCULATED FOR BENZO(A)ANTHRACENE' LEAD, AND MERCURY USING NJDEP'S SPLP SPREADSHEET, V1.0, MAY 2021.

UNSATURATED SOIL SAMPLES COMPARED TO MGWSRS/AR-MGWSRS

NJDEP Soil Remediation Standards Criteria		NJ Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Migration to Groundwater Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)
Compound						
SVOCs	Benzo(a)anthracene	5.1	23	78000	370000	1.85*
	Benzo(a)pyrene	0.51	2.3	3500	16000	NC

DESIGNED BY: MED
REVIEWED BY: KP
RELEASED BY: MF

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NEW JERSEY CERTIFICATE OF AUTHORIZATION No. 24GA27982300

GRID-20
DELINEATION SAMPLING ANALYTICAL RESULTS

VILLAGE OF RIDGEWOOD
BLOCK 4704, LOTS 9, 10, 11 & 12
WEST SADDLE RIVER ROAD
VILLAGE OF RIDGEWOOD
BERGEN COUNTY, NEW JERSEY

PROJECT NUMBER: 23-1429

SCALE: AS SHOWN

DATE: 1/15/2025

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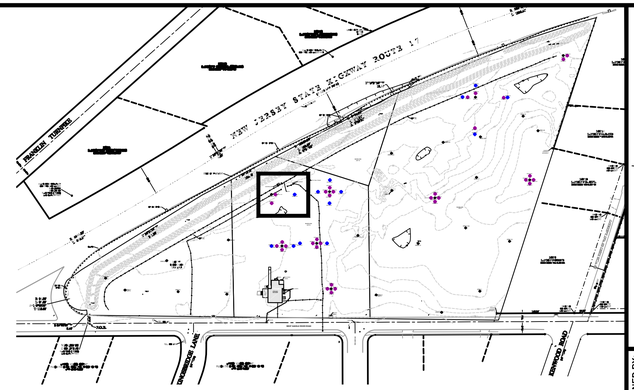

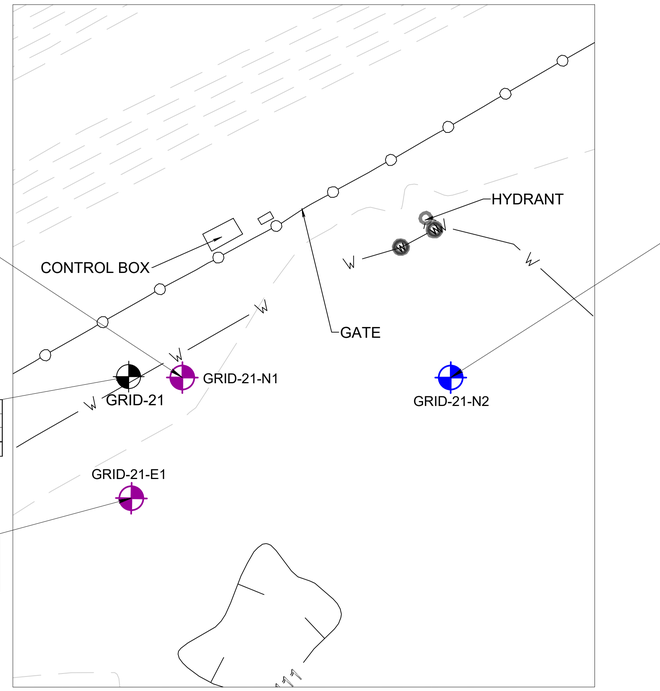

SAMPLE ID	GRID-21-N1
SAMPLE DATE	11/22/2024
SAMPLE DEPTH (ft)	1.0-1.5
Benzo(a)pyrene	**0.586**

SAMPLE ID	GRID-21-N2
SAMPLE DATE	11/22/2024
SAMPLE DEPTH (ft)	1.0-1.5
Benzo(a)pyrene	**1.06**

SAMPLE ID	GRID-21	GRID-21 (2.0-2.5)
SAMPLE DATE	6/27/2024	11/22/2024
SAMPLE DEPTH (ft)	1.0-1.5	2.0-2.5
Benzo(a)pyrene	**0.913**	<SRS

SAMPLE ID	GRID-21-E1
SAMPLE DATE	11/22/2024
SAMPLE DEPTH (ft)	1.0-1.5
Benzo(a)pyrene	<SRS

LEGEND

GRID-XX	GRID SOIL SAMPLE LOCATION
	HORIZONTAL DELINEATION - 1ST RING SOIL SAMPLE LOCATION
	HORIZONTAL DELINEATION - 2ND RING SOIL SAMPLE LOCATION
Bold and italic	EXCEEDS NJDEP MGWSRS/AR-MGWSRS
Bold	EXCEEDS NJDEP RIDSRS/RISRS
Bold and underlined	EXCEEDS NJDEP NRIDSRS/NRISRS

SVOCs	SEMI-VOLATILE ORGANIC COMPOUNDS
PCBs	POLYCHLORINATED BIPHENYLS
NC	NO CRITERIA ESTABLISHED FOR THIS CONTAMINANT
SRS	SOIL REMEDIATION STANDARDS CRITERIA
NJDEP	NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
MGWSRS	MIGRATION TO GROUNDWATER EXPOSURE PATHWAY SOIL REMEDIATION STANDARDS
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AR-MGWSRS	ALTERNATIVE REMEDIATION - MIGRATION TO GROUNDWATER SOIL REMEDIATION STANDARD
*	AR-MGWSRS UTILIZED AS STANDARD

ALL ANALYTICAL RESULTS FOR SOIL IN MILLIGRAMS PER KILOGRAM (mg/kg)

ALL SAMPLE DEPTHS PRESENTED IN ft, bgs (FEET BELOW GROUND SURFACE)

SITE SPECIFIC MIGRATION TO GROUNDWATER SOIL REMEDIATION STANDARD (MGWSRS) WAS CALCULATED FOR BENZO(A)ANTHRACENE' LEAD, AND MERCURY USING NJDEP'S SPLP SPREADSHEET, V1.0, MAY 2021.

UNSATURATED SOIL SAMPLES COMPARED TO MGWSRS/AR-MGWSRS

NJDEP Soil Remediation Standards Criteria		NJ Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Migration to Groundwater Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)
Compound						
SVOCs	Benzo(a)pyrene	0.51	2.3	3500	16000	NC

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DESIGNED BY: MED
REVIEWED BY: KP
RELEASED BY: MF

GRID-21
DELINEATION SAMPLING ANALYTICAL RESULTS

VILLAGE OF RIDGEWOOD
BLOCK 4704, LOTS 9, 10, 11 & 12
WEST SADDLE RIVER ROAD
VILLAGE OF RIDGEWOOD
BERGEN COUNTY, NEW JERSEY

PROJECT NUMBER: 23-1429

SCALE: AS SHOWN

DATE: 1/15/2025

2G

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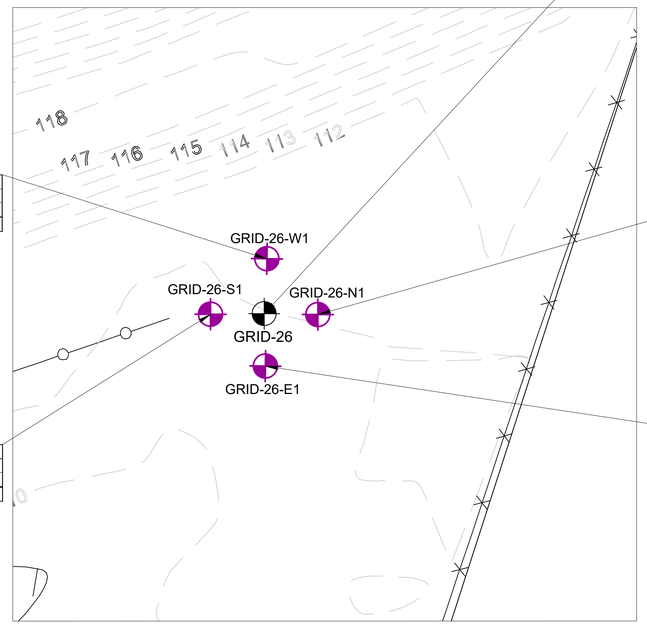
SAMPLE ID	GRID-26	GRID-26 (2.0-2.5)
SAMPLE DATE	6/26/2024	11/21/2024
SAMPLE DEPTH (ft)	1.0-1.5	2.0-2.5
Benzo(a)pyrene	0.799	<SRS

SAMPLE ID	GRID-26-W1
SAMPLE DATE	11/21/2024
SAMPLE DEPTH (ft)	1.0-1.5
Benzo(a)pyrene	<SRS

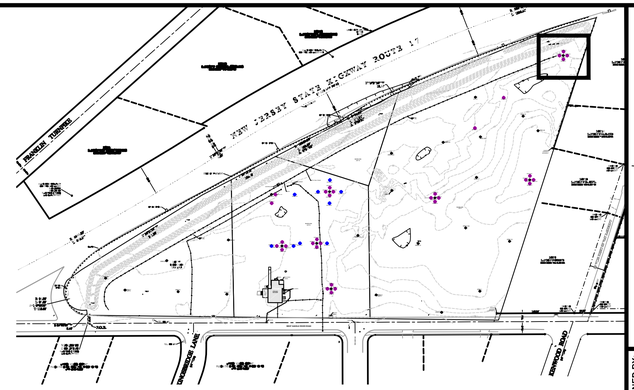
SAMPLE ID	GRID-26-N1
SAMPLE DATE	11/21/2024
SAMPLE DEPTH (ft)	1.0-1.5
Benzo(a)pyrene	<SRS

SAMPLE ID	GRID-26-E1
SAMPLE DATE	11/21/2024
SAMPLE DEPTH (ft)	1.0-1.5
Benzo(a)pyrene	<SRS

SAMPLE ID	GRID-26-S1
SAMPLE DATE	11/21/2024
SAMPLE DEPTH (ft)	1.0-1.5
Benzo(a)pyrene	<SRS



NJDEP Soil Remediation Standards Criteria		NJ Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Migration to Groundwater Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)
Compound						
SVOCs	Benzo(a)pyrene	0.51	2.3	3500	16000	NC



LEGEND

GRID-XX — GRID SOIL SAMPLE LOCATION

HORIZONTAL DELINEATION - 1ST RING SOIL SAMPLE LOCATION

HORIZONTAL DELINEATION - 2ND RING SOIL SAMPLE LOCATION

Bold and italic — EXCEEDS NJDEP MGWSRS/AR-MGWSRS

Bold — EXCEEDS NJDEP RIDSRS/RISRS

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ALL SAMPLE DEPTHS PRESENTED IN ft, bgs (FEET BELOW GROUND SURFACE)

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UNSATURATED SOIL SAMPLES COMPARED TO MGWSRS/AR-MGWSRS

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GRID-26
DELINEATION SAMPLING ANALYTICAL RESULTS

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BLOCK 4704, LOTS 9, 10, 11 & 12
WEST SADDLE RIVER ROAD
VILLAGE OF RIDGEWOOD
BERGEN COUNTY, NEW JERSEY

PROJECT NUMBER: 23-1429

SCALE: AS SHOWN

DATE: 1/15/2025

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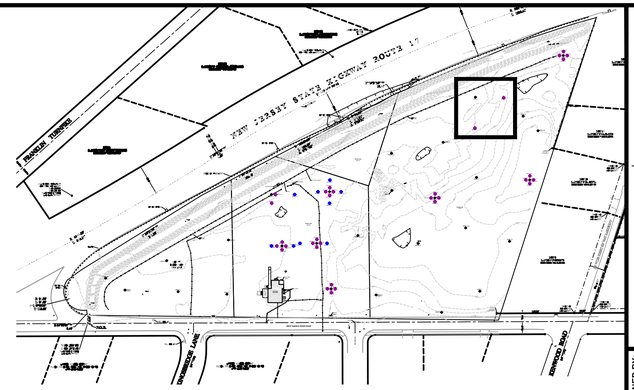
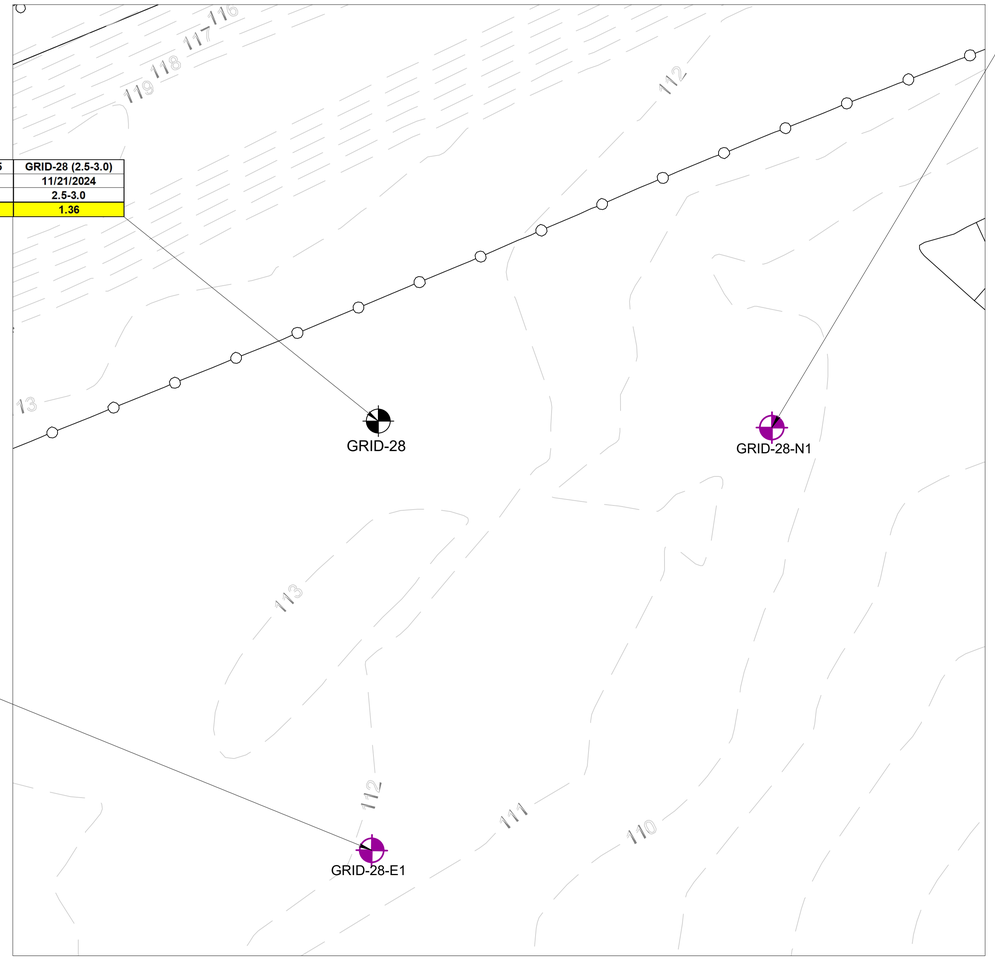


KEY MAP

SAMPLE ID	GRID-28	GRID-28 (2.0-2.5	GRID-28 (2.5-3.0)
SAMPLE DATE	6/26/2024	11/21/2024	11/21/2024
SAMPLE DEPTH (ft)	1.0-1.5	2.0-2.5	2.5-3.0
Benzo(a)pyrene	**0.898**	**0.772**	**1.36**

SAMPLE ID	GRID-28-N1
SAMPLE DATE	11/21/2024
SAMPLE DEPTH (ft)	1.0-1.5
Benzo(a)pyrene	<SRS

SAMPLE ID	GRID-28-E1
SAMPLE DATE	11/21/2024
SAMPLE DEPTH (ft)	1.0-1.5
Benzo(a)pyrene	<SRS



LEGEND

GRID-XX — GRID SOIL SAMPLE LOCATION

HORIZONTAL DELINEATION - 1ST RING SOIL SAMPLE LOCATION

HORIZONTAL DELINEATION - 2ND RING SOIL SAMPLE LOCATION

Bold and italic	EXCEEDS NJDEP MGWSRS/AR-MGWSRS
Bold	EXCEEDS NJDEP RIDSRS/RISRS
Bold and underlined	EXCEEDS NJDEP NRIDSRS/NRISRS

SVOCs	SEMI-VOLATILE ORGANIC COMPOUNDS
PCBs	POLYCHLORINATED BIPHENYLS
NC	NO CRITERIA ESTABLISHED FOR THIS CONTAMINANT
SRS	SOIL REMEDIATION STANDARDS CRITERIA
NJDEP	NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
MGWSRS	MIGRATION TO GROUNDWATER EXPOSURE PATHWAY SOIL REMEDIATION STANDARDS
RIDSRS	RESIDENTIAL INGESTION-DERMAL EXPOSURE PATHWAY SOIL REMEDIATION STANDARDS
RISRS	RESIDENTIAL INHALATION EXPOSURE PATHWAY SOIL REMEDIATION STANDARDS
NRIDSRS	NON-RESIDENTIAL INGESTION-DERMAL EXPOSURE PATHWAY SOIL REMEDIATION STANDARDS
AR-MGWSRS	ALTERNATIVE REMEDIATION - MIGRATION TO GROUNDWATER SOIL REMEDIATION STANDARD
*	AR-MGWSRS UTILIZED AS STANDARD

ALL ANALYTICAL RESULTS FOR SOIL IN MILLIGRAMS PER KILOGRAM (mg/kg)

ALL SAMPLE DEPTHS PRESENTED IN ft, bgs (FEET BELOW GROUND SURFACE)

SITE SPECIFIC MIGRATION TO GROUNDWATER SOIL REMEDIATION STANDARD (MGWSRS) WAS CALCULATED FOR BENZO(A)ANTHRACENE' LEAD, AND MERCURY USING NJDEP'S SPLP SPREADSHEET, V1.0, MAY 2021.

UNSATURATED SOIL SAMPLES COMPARED TO MGWSRS/AR-MGWSRS

NJDEP Soil Remediation Standards Criteria		NJ Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Migration to Groundwater Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)
Compound						
SVOCs	Benzo(a)pyrene	0.51	2.3	3500	16000	NC

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NEW JERSEY CERTIFICATE OF AUTHORIZATION No. 24GA27982300

DESIGNED BY: MED
REVIEWED BY: KP
RELEASED BY: MF

GRID-28
DELINEATION SAMPLING ANALYTICAL RESULTS

VILLAGE OF RIDGEWOOD
BLOCK 4704, LOTS 9, 10, 11 & 12
WEST SADDLE RIVER ROAD
VILLAGE OF RIDGEWOOD
BERGEN COUNTY, NEW JERSEY

PROJECT NUMBER: 23-1429

SCALE: AS SHOWN

DATE: 1/15/2025

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© MATRIXNEWORLD|F:\2023\23-1429 Village of Ridgewood\Drawings\Plot Sheets\Scheller Property\RIR\Figure 6 - Grid Sampling Delineation Locations.dwg

SAMPLE ID	GRID-28	GRID-28R
SAMPLE DATE	6/26/2024	11/21/2024
SAMPLE DEPTH (ft)	1.0-1.5	1.0-1.5
Pesticides	<SRS	<SRS

SAMPLE ID	GRID-20	GRID-20R
SAMPLE DATE	6/27/2024	11/26/2024
SAMPLE DEPTH (ft)	1.0-1.5	1.0-1.5
Pesticides	<SRS	<SRS

SAMPLE ID	GRID-21	GRID-21R
SAMPLE DATE	6/27/2024	11/22/2024
SAMPLE DEPTH (ft)	1.0-1.5	1.0-1.5
Pesticides	<SRS	<SRS

SAMPLE ID	GRID-11	GRID-11R
SAMPLE DATE	6/27/2024	11/22/2024
SAMPLE DEPTH (ft)	1.0-1.5	1.0-1.5
Pesticides	<SRS	<SRS

SAMPLE ID	GRID-10A	GRID-10R
SAMPLE DATE	6/27/2024	11/22/2024
SAMPLE DEPTH (ft)	1.0-1.5	1.0-1.5
Pesticides	<SRS	<SRS

SAMPLE ID	GRID-26	GRID-26R
SAMPLE DATE	6/26/2024	11/21/2024
SAMPLE DEPTH (ft)	1.0-1.5	1.0-1.5
Pesticides	<SRS	<SRS

SAMPLE ID	GRID-16	GRID-16R
SAMPLE DATE	6/26/2024	11/21/2024
SAMPLE DEPTH (ft)	1.0-1.5	1.0-1.5
Pesticides	<SRS	<SRS

SAMPLE ID	GRID-18	GRID-18R
SAMPLE DATE	6/26/2024	11/21/2024
SAMPLE DEPTH (ft)	1.0-1.5	1.0-1.5
Pesticides	<SRS	<SRS

SAMPLE ID	GRID-4	GRID-4R	GRID-4(2-2.5)
SAMPLE DATE	6/27/2024	11/22/2024	11/22/2024
SAMPLE DEPTH (ft)	1.0-1.5	1.0-1.5	2.0-2.5
Heptachlor epoxide	<SRS	**0.0799**	<SRS
All other Pesticides	<SRS	<SRS	<SRS

LEGEND

GRID-XX — GRID SOIL SAMPLE LOCATION

Bold and italic — EXCEEDS NJDEP MGWSRS/AR-MGWSRS

Bold — EXCEEDS NJDEP RIDSRS/RISRS

Bold and underlined — EXCEEDS NJDEP NRIDSRS/NRISRS

Notes:

All analytical results for soil in milligrams per kilogram (mg/kg)

All sample depths presented in ft, bgs

Site Specific Migration to Groundwater Soil Remediation Standard (MGWSRS) was calculated for benzo(a)anthracene using NJDEP's SPLP Spreadsheet, V1.0, May 2021.

Unsaturated soil samples compared to MGWSRS/AR-MGWSRS

* = AR-MGWSRS utilized as standard

ft, bgs= feet below ground surface

NC = No criteria established for this contaminant

SRS = Soil Remediation Standards Criteria

NJ-MGWSRS = New Jersey 2021 Migration to Groundwater Exposure Pathway Soil Remediation Standards Criteria

AR-MGWSRS = Alternative Remediation - Migration to Groundwater Soil Remediation Standard

NJ-RIDSRS = New Jersey 2021 Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria

NJ-RISRS = New Jersey 2021 Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria

NJ-NRISRS = New Jersey 2021 Non-Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria

NJ-NRISRS = New Jersey 2021 Non-Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria

NJDEP Soil Remediation Standards Criteria		NJ Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Migration to Groundwater Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)
Compound						
Pesticides	Heptachlor epoxide	0.076	0.4	NC	NC	0.081

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NEW JERSEY CERTIFICATE OF AUTHORIZATION No. 24GA27982300

DESIGNED BY: MED
REVIEWED BY: KP
RELEASED BY: MF

AOC-2 NON-BERM SOIL SAMPLING
ANALYTICAL RESULTS - RI PESTICIDES QC

VILLAGE OF RIDGEWOOD
BLOCK 4704, LOTS 9, 10, 11 & 12
WEST SADDLE RIVER ROAD
VILLAGE OF RIDGEWOOD
BERGEN COUNTY, NEW JERSEY

PROJECT NUMBER: 23-1429

SCALE: AS SHOWN

DATE: 1/27/2025

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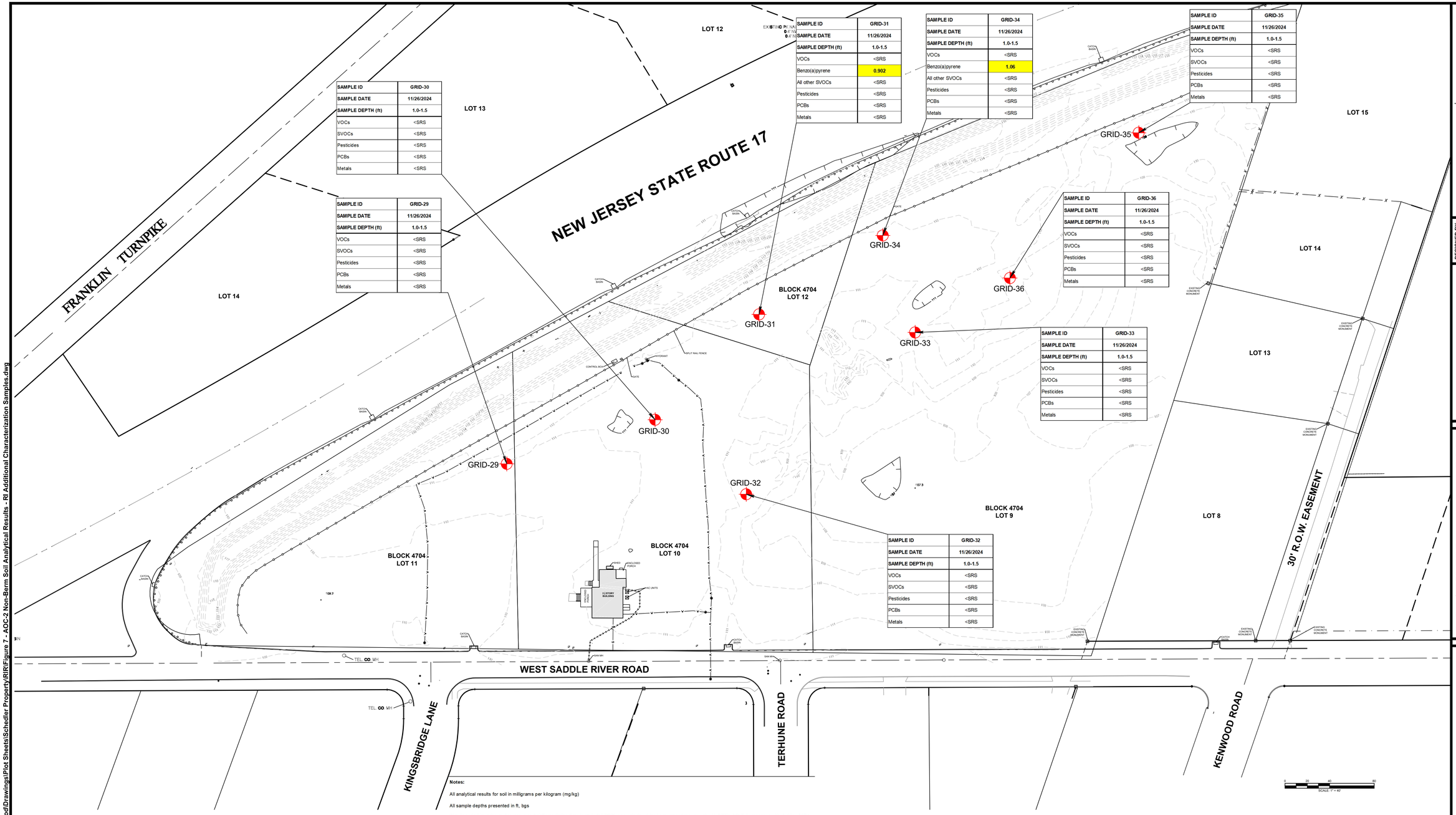
© MATRIXNEWORLD\F:\2023\23-1429 Village of Ridgewood\Drawings\Plot Sheets\Schedler Property\RI\Figure 8 AOC-2 Non-Berm Soil Analytical Results – RI Pesticide QC Samples.dwg



SAMPLE ID	GRID-30
SAMPLE DATE	11/26/2024
SAMPLE DEPTH (ft)	1.0-1.5
VOCs	<SRS
SVOCs	<SRS
Pesticides	<SRS
PCBs	<SRS
Metals	<SRS

SAMPLE ID	GRID-29
SAMPLE DATE	11/26/2024
SAMPLE DEPTH (ft)	1.0-1.5
VOCs	<SRS
SVOCs	<SRS
Pesticides	<SRS
PCBs	<SRS
Metals	<SRS

SAMPLE ID	GRID-31
SAMPLE DATE	11/26/2024
SAMPLE DEPTH (ft)	1.0-1.5
VOCs	<SRS
Benzo(a)pyrene	**0.902**
All other SVOCs	<SRS
Pesticides	<SRS
PCBs	<SRS
Metals	<SRS

SAMPLE ID	GRID-34
SAMPLE DATE	11/26/2024
SAMPLE DEPTH (ft)	1.0-1.5
VOCs	<SRS
Benzo(a)pyrene	**1.06**
All other SVOCs	<SRS
Pesticides	<SRS
PCBs	<SRS
Metals	<SRS

SAMPLE ID	GRID-35
SAMPLE DATE	11/26/2024
SAMPLE DEPTH (ft)	1.0-1.5
VOCs	<SRS
SVOCs	<SRS
Pesticides	<SRS
PCBs	<SRS
Metals	<SRS

SAMPLE ID	GRID-36
SAMPLE DATE	11/26/2024
SAMPLE DEPTH (ft)	1.0-1.5
VOCs	<SRS
SVOCs	<SRS
Pesticides	<SRS
PCBs	<SRS
Metals	<SRS

SAMPLE ID	GRID-33
SAMPLE DATE	11/26/2024
SAMPLE DEPTH (ft)	1.0-1.5
VOCs	<SRS
SVOCs	<SRS
Pesticides	<SRS
PCBs	<SRS
Metals	<SRS

SAMPLE ID	GRID-32
SAMPLE DATE	11/26/2024
SAMPLE DEPTH (ft)	1.0-1.5
VOCs	<SRS
SVOCs	<SRS
Pesticides	<SRS
PCBs	<SRS
Metals	<SRS

Notes:

All analytical results for soil in milligrams per kilogram (mg/kg)

All sample depths presented in ft, bgs

Site Specific Migration to Groundwater Soil Remediation Standard (MGWSRS) was calculated for benzo(a)anthracene using NJDEP's SPLP Spreadsheet, V1.0, May 2021.

Unsaturated soil samples compared to MGWSRS/AR-MGWSRS

* = AR-MGWSRS utilized as standard

ft, bgs= feet below ground surface

NA = Not Analyzed

NC = No criteria established for this contaminant

SVOCs = Semi-Volatile Organic Compounds

PCBs = Polychlorinated Biphenyls

SRS = Soil Remediation Standards Criteria

NJ-MGWSRS = New Jersey 2021 Migration to Groundwater Exposure Pathway Soil Remediation Standards Criteria

AR-MGWSRS = Alternative Remediation - Migration to Groundwater Soil Remediation Standard

NJ-RIDSRS = New Jersey 2021 Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria

NJ-RISRS = New Jersey 2021 Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria

NJ-NRISRS = New Jersey 2021 Non-Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria

NJ-NRISRS = New Jersey 2021 Non-Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria

LEGEND

ADDITIONAL CHARACTERIZATION SAMPLE LOCATION

Bold and italic — EXCEEDS NJDEP MGWSRS/AR-MGWSRS

Bold — EXCEEDS NJDEP RIDSRS/RISRS

Bold and underlined — EXCEEDS NJDEP NRIDSRS/NRISRS

NJDEP Soil Remediation Standards Criteria		NJ Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Migration to Groundwater Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)
Compound						
SVOCs	Benzo(a)pyrene	0.51	2.3	3500	16000	NC

DESIGNED BY: MED | REVIEWED BY: DC/KP | RELEASED BY: MF

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AOC-2 NON-BERM SOIL ANALYTICAL RESULTS
RI ADDITIONAL CHARACTERIZATION SAMPLES

VILLAGE OF RIDGEWOOD
BLOCK 4704, LOTS 9, 10, 11 & 12
WEST SADDLE RIVER ROAD
VILLAGE OF RIDGEWOOD
BERGEN COUNTY, NEW JERSEY

PROJECT NUMBER: 23-1429

SCALE: AS SHOWN

DATE: 1/17/2025

4

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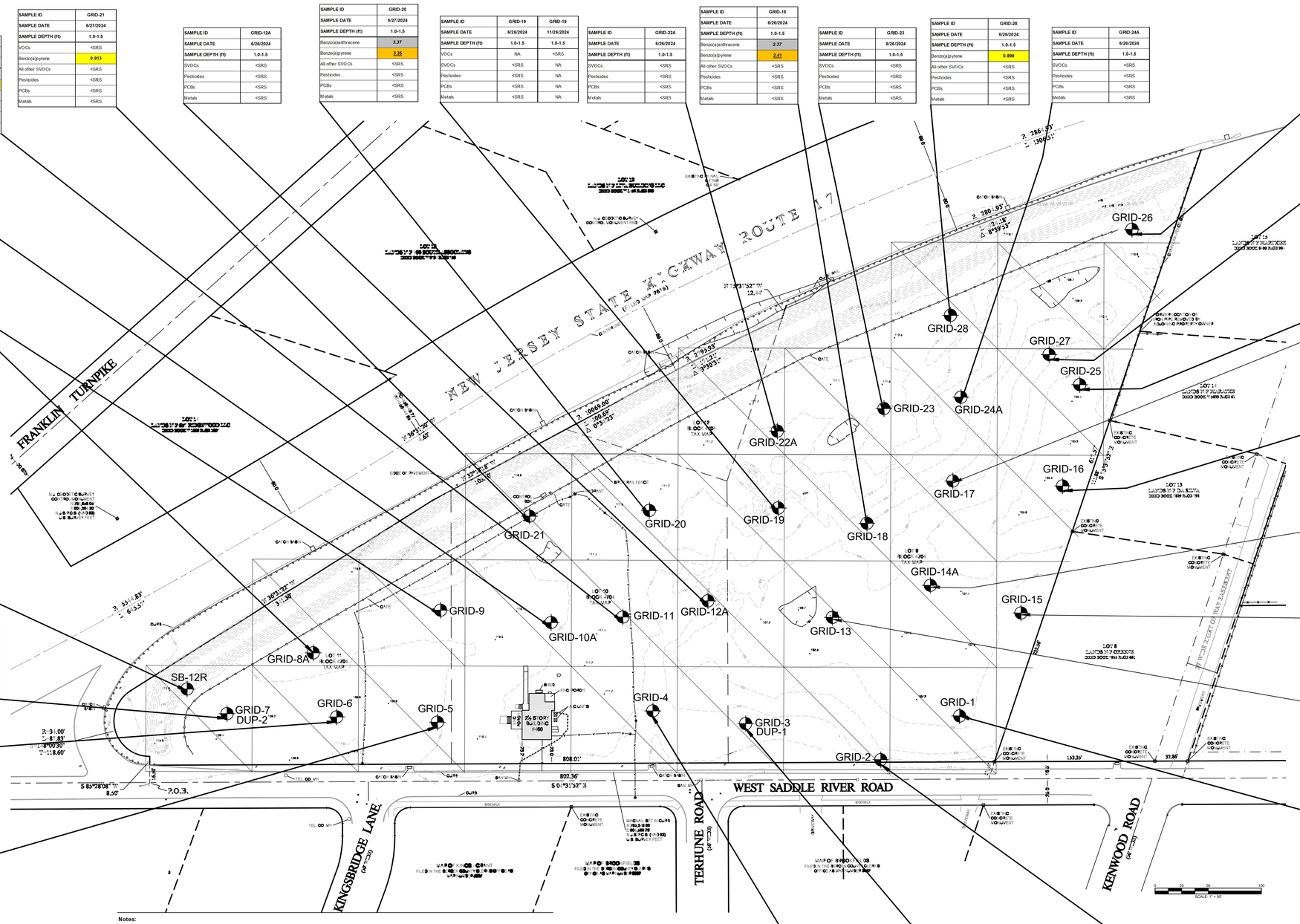

SAMPLE ID	GRID-11
SAMPLE DATE	6/27/2024
SAMPLE DEPTH (ft)	1.0-1.5
VOCs	<SRS
Benzo(a)pyrene	0.997
All other SVOCs	<SRS
Pesticides	<SRS
PCBs	<SRS
Metals	<SRS

SAMPLE ID	GRID-21
SAMPLE DATE	6/27/2024
SAMPLE DEPTH (ft)	1.0-1.5
VOCs	<SRS
Benzo(a)pyrene	0.913
All other SVOCs	<SRS
Pesticides	<SRS
PCBs	<SRS
Metals	<SRS

SAMPLE ID	GRID-12A
SAMPLE DATE	6/26/2024
SAMPLE DEPTH (ft)	1.0-1.5
SVOCs	<SRS
Pesticides	<SRS
PCBs	<SRS
Metals	<SRS

SAMPLE ID	GRID-20
SAMPLE DATE	6/27/2024
SAMPLE DEPTH (ft)	1.0-1.5
Benzo(a)anthracene	3.37
Benzo(a)pyrene	3.16
All other SVOCs	<SRS
Pesticides	<SRS
PCBs	<SRS
Metals	<SRS

SAMPLE ID	GRID-19	GRID-19
SAMPLE DATE	6/26/2024	11/26/2024
SAMPLE DEPTH (ft)	1.0-1.5	1.0-1.5
VOCs	NA	<SRS
SVOCs	<SRS	NA
Pesticides	<SRS	NA
PCBs	<SRS	NA
Metals	<SRS	NA

SAMPLE ID	GRID-22A
SAMPLE DATE	6/26/2024
SAMPLE DEPTH (ft)	1.0-1.5
SVOCs	<SRS
Pesticides	<SRS
PCBs	<SRS
Metals	<SRS

SAMPLE ID	GRID-18
SAMPLE DATE	6/26/2024
SAMPLE DEPTH (ft)	1.0-1.5
Benzo(a)anthracene	2.37
Benzo(a)pyrene	2.41
All other SVOCs	<SRS
Pesticides	<SRS
PCBs	<SRS
Metals	<SRS

SAMPLE ID	GRID-23
SAMPLE DATE	6/26/2024
SAMPLE DEPTH (ft)	1.0-1.5
SVOCs	<SRS
Pesticides	<SRS
PCBs	<SRS
Metals	<SRS

SAMPLE ID	GRID-28
SAMPLE DATE	6/26/2024
SAMPLE DEPTH (ft)	1.0-1.5
Benzo(a)pyrene	0.898
All other SVOCs	<SRS
Pesticides	<SRS
PCBs	<SRS
Metals	<SRS

SAMPLE ID	GRID-24A
SAMPLE DATE	6/26/2024
SAMPLE DEPTH (ft)	1.0-1.5
SVOCs	<SRS
Pesticides	<SRS
PCBs	<SRS
Metals	<SRS

SAMPLE ID	GRID-26
SAMPLE DATE	6/26/2024
SAMPLE DEPTH (ft)	1.0-1.5
Benzo(a)pyrene	0.799
All other SVOCs	<SRS
Pesticides	<SRS
PCBs	<SRS
Metals	<SRS

SAMPLE ID	GRID-27
SAMPLE DATE	6/26/2024
SAMPLE DEPTH (ft)	1.0-1.5
SVOCs	<SRS
Pesticides	<SRS
PCBs	<SRS
Metals	<SRS

SAMPLE ID	GRID-10A
SAMPLE DATE	6/27/2024
SAMPLE DEPTH (ft)	1.0-1.5
SVOCs	<SRS
Pesticides	<SRS
PCBs	<SRS
Mercury	1
All other Metals	<SRS

SAMPLE ID	GRID-9
SAMPLE DATE	6/27/2024
SAMPLE DEPTH (ft)	1.0-1.5
SVOCs	<SRS
Pesticides	<SRS
PCBs	<SRS
Metals	<SRS

SAMPLE ID	GRID-8A
SAMPLE DATE	6/27/2024
SAMPLE DEPTH (ft)	1.0-1.5
SVOCs	<SRS
Pesticides	<SRS
PCBs	<SRS
Metals	<SRS

SAMPLE ID	SB-12R
SAMPLE DATE	6/26/2024
SAMPLE DEPTH (ft)	1.0-1.5
VOCs	<SRS

SAMPLE ID	GRID-7	DUP-2
SAMPLE DATE	6/27/2024	6/27/2024
SAMPLE DEPTH (ft)	1.0-1.5	1.0-1.5
SVOCs	<SRS	<SRS
Pesticides	<SRS	<SRS
PCBs	<SRS	<SRS
Metals	<SRS	<SRS

SAMPLE ID	GRID-6	GRID-6
SAMPLE DATE	6/27/2024	11/26/2024
SAMPLE DEPTH (ft)	1.0-1.5	1.0-1.5
VOCs	NA	<SRS
SVOCs	<SRS	NA
Pesticides	<SRS	NA
PCBs	<SRS	NA
Metals	<SRS	NA

SAMPLE ID	GRID-5	GRID-5
SAMPLE DATE	6/27/2024	11/26/2024
SAMPLE DEPTH (ft)	1.0-1.5	1.0-1.5
VOCs	NA	<SRS
SVOCs	<SRS	NA
Pesticides	<SRS	NA
PCBs	<SRS	NA
Metals	<SRS	NA

SAMPLE ID	GRID-4
SAMPLE DATE	6/27/2024
SAMPLE DEPTH (ft)	1.0-1.5
Benzo(a)pyrene	0.642
All other SVOCs	<SRS
Pesticides	<SRS
PCBs	<SRS
Metals	<SRS

SAMPLE ID	GRID-3	DUP-1
SAMPLE DATE	6/27/2024	6/27/2024
SAMPLE DEPTH (ft)	1.0-1.5	1.0-1.5
SVOCs	<SRS	<SRS
Pesticides	<SRS	<SRS
PCBs	<SRS	<SRS
Metals	<SRS	<SRS

SAMPLE ID	GRID-2	GRID-2
SAMPLE DATE	6/26/2024	11/26/2024
SAMPLE DEPTH (ft)	1.0-1.5	1.0-1.5
VOCs	NA	<SRS
SVOCs	<SRS	NA
Pesticides	<SRS	NA
PCBs	<SRS	NA
Metals	<SRS	NA

SAMPLE ID	GRID-1	GRID-1
SAMPLE DATE	6/26/2024	11/26/2024
SAMPLE DEPTH (ft)	1.0-1.5	1.0-1.5
VOCs	NA	<SRS
SVOCs	<SRS	NA
Pesticides	<SRS	NA
PCBs	<SRS	NA
Metals	<SRS	NA

SAMPLE ID	GRID-13
SAMPLE DATE	6/26/2024
SAMPLE DEPTH (ft)	1.0-1.5
SVOCs	<SRS
Pesticides	<SRS
PCBs	<SRS
Metals	<SRS

SAMPLE ID	GRID-15
SAMPLE DATE	6/26/2024
SAMPLE DEPTH (ft)	1.0-1.5
SVOCs	<SRS
Pesticides	<SRS
PCBs	<SRS
Metals	<SRS

SAMPLE ID	GRID-14A
SAMPLE DATE	6/26/2024
SAMPLE DEPTH (ft)	1.0-1.5
SVOCs	<SRS
Pesticides	<SRS
PCBs	<SRS
Metals	<SRS

SAMPLE ID	GRID-16
SAMPLE DATE	6/26/2024
SAMPLE DEPTH (ft)	1.0-1.5
Benzo(a)pyrene	0.81
All other SVOCs	<SRS
Pesticides	<SRS
PCBs	<SRS
Metals	<SRS

SAMPLE ID	GRID-17	GRID-17
SAMPLE DATE	6/26/2024	11/26/2024
SAMPLE DEPTH (ft)	1.0-1.5	1.0-1.5
VOCs	NA	<SRS
SVOCs	<SRS	NA
Pesticides	<SRS	NA
PCBs	<SRS	NA
Metals	<SRS	NA

SAMPLE ID	GRID-25	GRID-25
SAMPLE DATE	6/26/2024	11/26/2024
SAMPLE DEPTH (ft)	1.0-1.5	1.0-1.5
VOCs	NA	<SRS
SVOCs	<SRS	NA
Pesticides	<SRS	NA
PCBs	<SRS	NA
Metals	<SRS	NA

Notes:

All analytical results for soil in milligrams per kilogram (mg/kg)

All sample depths presented in ft, bgs

Site Specific Migration to Groundwater Soil Remediation Standard (MGWSRS) was calculated for benzo(a)anthracene using NJDEP's SPLP Spreadsheet, V1.0, May 2021.

Unsaturated soil samples compared to MGWSRS/AR-MGWSRS

* = AR-MGWSRS utilized as standard

ft, bgs= feet below ground surface

NA = Not Analyzed

NC = No criteria established for this contaminant

SVOCs = Semi-Volatile Organic Compounds

PCBs = Polychlorinated Biphenyls

SRS = Soil Remediation Standards Criteria

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AR-MGWSRS = Alternative Remediation - Migration to Groundwater Soil Remediation Standard

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NJ-RISRS = New Jersey 2021 Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria

NJ-NRIDSRS = New Jersey 2021 Non-Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria

NJ-NRISRS = New Jersey 2021 Non-Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria

LEGEND

GRID-XX — GRID SOIL SAMPLE LOCATION

Bold and italic — EXCEEDS NJDEP MGWSRS/AR-MGWSRS

Bold — EXCEEDS NJDEP RIDSRS/RISRS

Bold and underlined — EXCEEDS NJDEP NRIDSRS/NRISRS

NJDEP Soil Remediation Standards Criteria		NJ Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Migration to Groundwater Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)
Compound						
SVOCs	Benzo(a)anthracene	5.1	23	78000	370000	1.85*
	Benzo(a)pyrene	0.51	2.3	3500	16000	NC
Metals	Mercury	23	390	520000	NC	0.29*

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NEW JERSEY CERTIFICATE OF AUTHORIZATION No. 24GA27982300

DESIGNED BY: MED
REVIEWED BY: KP
RELEASED BY: MF

AOC-2 NON-BERM SOIL SAMPLING ANALYTICAL RESULTS - SI

VILLAGE OF RIDGEWOOD
BLOCK 4704, LOTS 9, 10, 11 & 12
WEST SADDLE RIVER ROAD
VILLAGE OF RIDGEWOOD
BERGEN COUNTY, NEW JERSEY

PROJECT NUMBER: 23-1429
SCALE: AS SHOWN
DATE: 1/21/2025
5

© MATRIXNEWORLD\F-\2023\23-1429 Village of Ridgewood\Drawings\Plot Sheets\Schedler Property\RIR\Figure 5 - AOC-2 Non-Berm Soil Analytical Results – SI.dwg

TABLES

Table 1
Sample Summary Table
Site Investigation/Remedial Investigation
460 West Saddle River Road, Bergen County, New Jersey

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Engineering Progress

LOCATION	MATRIX	SAMPLE DEPTH	ANALYTICAL PARAMETERS	Purpose
AOC-2 Non-Berm Soil - SI/RI Additional VOC Samples				
GRID-1	Soil	1.0 - 1.5 ft, bgs	TCL VOCS+15	Additional VOC Characterization
GRID-2		1.0 - 1.5 ft, bgs	TCL VOCS+15	Additional VOC Characterization
GRID-5		1.0 - 1.5 ft, bgs	TCL VOCS+15	Additional VOC Characterization
GRID-6		1.0 - 1.5 ft, bgs	TCL VOCS+15	Additional VOC Characterization
GRID-17		1.0 - 1.5 ft, bgs	TCL VOCS+15	Additional VOC Characterization
GRID-19		1.0 - 1.5 ft, bgs	TCL VOCS+15	Additional VOC Characterization
GRID-25		1.0 - 1.5 ft, bgs	TCL VOCS+15	Additional VOC Characterization
AOC-2 Non-Berm Soil - RI Delineation Samples				
GRID-4R	Soil	1.0 - 1.5 ft, bgs	TCL Pesticides w/ Matrix Spike	Resample for QA/QC issue
GRID-4 (2.0-2.5)		2.0-2.5 ft, bgs	Benzo(a)pyrene, TCL Pesticides	Vertical Delineation
GRID-4-N1		1.0 - 1.5 ft, bgs	Benzo(a)pyrene	North horizontal step out (1)
GRID-4-S1		1.0 - 1.5 ft, bgs	Benzo(a)pyrene	South horizontal step out (1)
GRID-4-E1		1.0 - 1.5 ft, bgs	Benzo(a)pyrene	East horizontal step out (1)
GRID-4-W1		1.0 - 1.5 ft, bgs	Benzo(a)pyrene	West horizontal step out (1)
GRID-10R		1.0 - 1.5 ft, bgs	TCL Pesticides w/ Matrix Spike	Resample for QA/QC issue
GRID-10A (2.0-2.5)		2.0-2.5 ft, bgs	Mercury & Benzo(a)pyrene	Vertical Delineation
GRID-10A-N1		1.0 - 1.5 ft, bgs	Mercury & Benzo(a)pyrene	North horizontal step out (1)
GRID-10A-N2		1.0 - 1.5 ft, bgs	Mercury & Benzo(a)pyrene	North horizontal step out (2)
GRID-10A-S1		1.0 - 1.5 ft, bgs	Mercury & Benzo(a)pyrene	South horizontal step out (1)
GRID-10A-S2		1.0 - 1.5 ft, bgs	Mercury & Benzo(a)pyrene	South horizontal step out (2)
GRID-10A-E1		1.0 - 1.5 ft, bgs	Mercury & Benzo(a)pyrene	East horizontal step out (1)
GRID-10A-W1		1.0 - 1.5 ft, bgs	Mercury & Benzo(a)pyrene	West horizontal step out (1)
GRID-11R		1.0 - 1.5 ft, bgs	TCL Pesticides w/ Matrix Spike	Resample for QA/QC issue
GRID-11 (2.0-2.5)		2.0-2.5 ft, bgs	Benzo(a)pyrene	Vertical Delineation
GRID-11 (2.5-3.0)		2.5-3.0 ft, bgs	Benzo(a)pyrene	Vertical Delineation
GRID-11-N1		1.0 - 1.5 ft, bgs	Benzo(a)pyrene	North horizontal step out (1)
GRID-11-N2		1.0 - 1.5 ft, bgs	Benzo(a)pyrene	North horizontal step out (2)
GRID-11-S1		1.0 - 1.5 ft, bgs	Benzo(a)pyrene	South horizontal step out (1)
GRID-11-S2		1.0 - 1.5 ft, bgs	Benzo(a)pyrene	South horizontal step out (2)
GRID-11-E1		1.0 - 1.5 ft, bgs	Benzo(a)pyrene	East horizontal step out (1)
GRID-11-W1		1.0 - 1.5 ft, bgs	Benzo(a)pyrene	West horizontal step out (1)
GRID-16R		1.0 - 1.5 ft, bgs	TCL Pesticides w/ Matrix Spike	Resample for QA/QC issue
GRID-16 (2.0-2.5)		2.0-2.5 ft, bgs	Benzo(a)pyrene	Vertical Delineation
GRID-16-N1		1.0 - 1.5 ft, bgs	Benzo(a)pyrene	North horizontal step out (1)
GRID-16-S1		1.0 - 1.5 ft, bgs	Benzo(a)pyrene	South horizontal step out (1)
GRID-16-E1		1.0 - 1.5 ft, bgs	Benzo(a)pyrene	East horizontal step out (1)
GRID-16-W1		1.0 - 1.5 ft, bgs	Benzo(a)pyrene	West horizontal step out (1)
GRID-18R		1.0 - 1.5 ft, bgs	TCL Pesticides w/ Matrix Spike	Resample for QA/QC issue
GRID-18 (2.0-2.5)		2.0-2.5 ft, bgs	Benzo(a)pyrene & Benzo(a)anthracene	Vertical Delineation
GRID-18-N1		1.0 - 1.5 ft, bgs	Benzo(a)pyrene & Benzo(a)anthracene	North horizontal step out (1)
GRID-18-S1		1.0 - 1.5 ft, bgs	Benzo(a)pyrene & Benzo(a)anthracene	South horizontal step out (1)
GRID-18-E1		1.0 - 1.5 ft, bgs	Benzo(a)pyrene & Benzo(a)anthracene	East horizontal step out (1)
GRID-18-W1		1.0 - 1.5 ft, bgs	Benzo(a)pyrene & Benzo(a)anthracene	West horizontal step out (1)
GRID-20R		1.0 - 1.5 ft, bgs	TCL Pesticides w/ Matrix Spike	Resample for QA/QC issue
GRID-20 (2.0-2.5)		2.0-2.5 ft, bgs	Benzo(a)pyrene & Benzo(a)anthracene	Vertical Delineation
GRID-20 (2.5-3.0)		2.5-3.0 ft, bgs	Benzo(a)pyrene & Benzo(a)anthracene	Vertical Delineation
GRID-20-N1		1.0 - 1.5 ft, bgs	Benzo(a)pyrene & Benzo(a)anthracene	North horizontal step out (1)
GRID-20-N2		1.0 - 1.5 ft, bgs	Benzo(a)pyrene & Benzo(a)anthracene	North horizontal step out (2)
GRID-20-S1		1.0 - 1.5 ft, bgs	Benzo(a)pyrene & Benzo(a)anthracene	South horizontal step out (1)
GRID-20-S2		1.0 - 1.5 ft, bgs	Benzo(a)pyrene & Benzo(a)anthracene	South horizontal step out (2)
GRID-20-E1		1.0 - 1.5 ft, bgs	Benzo(a)pyrene & Benzo(a)anthracene	East horizontal step out (1)
GRID-20-E2		1.0 - 1.5 ft, bgs	Benzo(a)pyrene & Benzo(a)anthracene	East horizontal step out (2)
GRID-20-W1		1.0 - 1.5 ft, bgs	Benzo(a)pyrene & Benzo(a)anthracene	West horizontal step out (1)
GRID-20-W2		1.0 - 1.5 ft, bgs	Benzo(a)pyrene & Benzo(a)anthracene	West horizontal step out (2)
GRID-21R		1.0 - 1.5 ft, bgs	TCL Pesticides w/ Matrix Spike	Resample for QA/QC issue
GRID-21 (2.0-2.5)		2.0-2.5 ft, bgs	Benzo(a)pyrene	Vertical Delineation
GRID-21-N1		1.0 - 1.5 ft, bgs	Benzo(a)pyrene	North horizontal step out (1)
GRID-21-N2		1.0 - 1.5 ft, bgs	Benzo(a)pyrene	North horizontal step out (2)
GRID-21-E1		1.0 - 1.5 ft, bgs	Benzo(a)pyrene	East horizontal step out (1)
GRID-26R		1.0 - 1.5 ft, bgs	TCL Pesticides w/ Matrix Spike	Resample for QA/QC issue
GRID-26 (2.0-2.5)		2.0-2.5 ft, bgs	Benzo(a)pyrene	Vertical Delineation
GRID-26-N1		1.0 - 1.5 ft, bgs	Benzo(a)pyrene	North horizontal step out (1)
GRID-26-S1		1.0 - 1.5 ft, bgs	Benzo(a)pyrene	South horizontal step out (1)
GRID-26-E1		1.0 - 1.5 ft, bgs	Benzo(a)pyrene	East horizontal step out (1)
GRID-26-W1		1.0 - 1.5 ft, bgs	Benzo(a)pyrene	West horizontal step out (1)
GRID-28R		1.0 - 1.5 ft, bgs	TCL Pesticides w/ Matrix Spike	Resample for QA/QC issue
GRID-28 (2.0-2.5)		2.0-2.5 ft, bgs	Benzo(a)pyrene	Vertical Delineation
GRID-28 (2.5-3.0)		2.5-3.0 ft, bgs	Benzo(a)pyrene	Vertical Delineation
GRID-28-N1		1.0 - 1.5 ft, bgs	Benzo(a)pyrene	North horizontal step out (1)
GRID-28-E1		1.0 - 1.5 ft, bgs	Benzo(a)pyrene	East horizontal step out (1)
AOC-2 Non-Berm Soil - RI Additional Characterization Samples				
GRID -29	Soil	1.0-1.5 ft, bgs	TCL/TAL+30	Additional Fill Characterization
GRID -30		1.0-1.5 ft, bgs	TCL/TAL+30	Additional Fill Characterization
GRID -31		1.0-1.5 ft, bgs	TCL/TAL+30	Additional Fill Characterization
GRID -32		1.0-1.5 ft, bgs	TCL/TAL+30	Additional Fill Characterization
GRID -33		1.0-1.5 ft, bgs	TCL/TAL+30	Additional Fill Characterization
GRID -34		1.0-1.5 ft, bgs	TCL/TAL+30	Additional Fill Characterization
GRID -35		1.0-1.5 ft, bgs	TCL/TAL+30	Additional Fill Characterization
GRID -36		1.0-1.5 ft, bgs	TCL/TAL+30	Additional Fill Characterization

Notes:
ft, bgs = Feet, Below Ground Surface
TCL = Target Compound List
TAL = Target Analyte List
VOC's = Volatile organic Compounds
QA/QC = Quality Assurance/Quality Control

Table - 2
AOC-2 Non-Berm Soil Analytical Table – RI Delineation Samples
Ridgewood Village Historic Site
460 West Saddle River Road, Village of Ridgewood, New Jersey
23-1429

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Client Sample ID:	NJ Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non-Residential Ingestion Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non-Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Migration to Groundwater Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	GRID-4(2.0-2.5)		GRID-4-N1		GRID-4-S1		GRID-4-E1		GRID-4-W1	
Lab Sample ID:						JE1300-10		JE1300-12		JE1300-14		JE1300-16		JE1300-18	
Date Sampled:						11/22/2024		11/22/2024		11/22/2024		11/22/2024		11/22/2024	
Sample Depth (ft, bgs):						2.0-2.5		1.0-1.5		1.0-1.5		1.0-1.5		1.0-1.5	
Saturated (S)/Unsaturated (US):						US		US		US		US		US	
Matrix:						Soil		Soil		Soil		Soil		Soil	
SVOCs															
Benzo(a)anthracene	5.1	23	78000	370000	*1.85	-		-		-		-		-	
Benzo(a)pyrene	0.51	2.3	3500	16000	NC	0.015	U	0.0329	J	0.0667		0.0392		0.213	
Metals															
Mercury	23	390	520000	NC	*0.29	-		-		-		-		-	

Notes:

All analytical results for soil in milligrams per kilogram (mg/kg)

Site Specific Migration to Groundwater Soil Remediation Standard (MGWSRS) was calculated for benzo(a)anthracene using NJDEP's SPLP Spreadsheet, V1.0, May 2021.

ft, bgs= feet below ground surface

All sample depths presented in ft, bgs

NC = No criteria established for this contaminant

U = Denotes parameters analyzed for but not detected; value shown is the laboratory reporting limit

- = Not Analyzed

SVOCs = Semi-Volatile Organic Compounds

Unsaturated soil samples compared to MGWSRS/AR-MGWSRS

* = AR-MGWSRS utilized as standard

NJ-MGWSRS = New Jersey 2021 Migration to Groundwater Exposure Pathway Soil Remediation Standards Criteria

AR-MGWSRS = Alternative Remediation - Migration to Groundwater Soil Remediation Standard

NJ-NRISRS = New Jersey 2021 Non-Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria

NJ-NRIDSRS = New Jersey 2021 Non-Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria

NJ-RISRS = New Jersey 2021 Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria

NJ-RIDSRS = New Jersey 2021 Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria

Bold and italic	Reporting limit exceeds NJDEP's most stringent standard
Bold and italic	Exceeds the NJDEP MGWSRS/AR-MGWSRS
Bold	Exceeds NJDEP RIDSRS/RISRS
Bold and underline	Exceeds NJDEP NRIDSRS/NRISRS

Table - 2
AOC-2 Non-Berm Soil Analytical Table – RI Delineation Samples
Ridgewood Village Historic Site
460 West Saddle River Road, Village of Ridgewood, New Jersey
23-1429

MATRIXNEWORLD
Engineering Progress

Client Sample ID:	NJ Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non-Residential Ingestion Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non-Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Migration to Groundwater Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	GRID-10A(2.0-2.5)		GRID-10A-N1		GRID-10A-N2		GRID-10A-S1		GRID-10A-S2		GRID-10A-E1		GRID-10A-W1	
Lab Sample ID:						**JE1300-33**		**JE1300-35**		**JE1300-36A**		**JE1300-37**		**JE1300-38U**		**JE1300-39**		**JE1300-41**	
Date Sampled:						**11/22/2024**		**11/22/2024**		**11/22/2024**		**11/22/2024**		**11/22/2024**		**11/22/2024**		**11/22/2024**	
Sample Depth (ft, bgs):						**2.0-2.5**		**1.0-1.5**		**1.0-1.5**		**1.0-1.5**		**1.0-1.5**		**1.0-1.5**		**1.0-1.5**	
Saturated (S)/Unsaturated (US):						**US**		**US**		**US**		**US**		**US**		**US**		**US**	
Matrix:						**Soil**		**Soil**		**Soil**		**Soil**		**Soil**		**Soil**		**Soil**	
SVOCs																			
Benzo(a)anthracene	5.1	23	78000	370000	*1.85	-		-		-		-		-		-		-	
Benzo(a)pyrene	0.51	2.3	3500	16000	NC	0.0511		**0.939**		**0.822**		0.0995		-		0.165		0.196	
Metals																			
Mercury	23	390	520000	NC	*0.29	0.19		0.053		-		***0.31***		***0.98***		0.17		0.17	

Notes:

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Table - 2
AOC-2 Non-Berm Soil Analytical Table – RI Delineation Samples
Ridgewood Village Historic Site
460 West Saddle River Road, Village of Ridgewood, New Jersey
23-1429

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Engineering Progress

Client Sample ID:	NJ Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non-Residential Ingestion Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non-Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Migration to Groundwater Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	GRID-11(2.0-2.5)		GRID-11(2.5-3.0)		GRID-11-N1		GRID-11-N2		GRID-11-S1		GRID-11-S2		GRID-11-E1		GRID-11-W1	
Lab Sample ID:						JE1300-22		JE1300-23A		JE1300-24		JE1300-25A		JE1300-26		JE1300-27A		JE1300-28		JE1300-30	
Date Sampled:						11/22/2024		11/22/2024		11/22/2024		11/22/2024		11/22/2024		11/22/2024		11/22/2024		11/22/2024	
Sample Depth (ft, bgs):						2.0-2.5		2.5-3.0		1.0-1.5		1.0-1.5		1.0-1.5		1.0-1.5		1.0-1.5		1.0-1.5	
Saturated (S)/Unsaturated (US):						US		US		US		US		US		US		US		US	
Matrix:						Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
SVOCs																					
Benzo(a)anthracene	5.1	23	78000	370000	*1.85	-		-		-		-		-		-		-		-	
Benzo(a)pyrene	0.51	2.3	3500	16000	NC	**0.804**		0.251		**0.89**		0.387		**0.561**		**1.03**		0.458		0.489	
Metals																					
Mercury	23	390	520000	NC	*0.29	-		-		-		-		-		-		-		-	

Notes:

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Lab Sample ID:						JE1296-26		JE1296-28		JE1296-30		JE1296-32		JE1296-34	
Date Sampled:						11/21/2024		11/21/2024		11/21/2024		11/21/2024		11/21/2024	
Sample Depth (ft, bgs):						2.0-2.5		1.0-1.5		1.0-1.5		1.0-1.5		1.0-1.5	
Saturated (S)/Unsaturated (US):						US		US		US		US		US	
Matrix:						Soil		Soil		Soil		Soil		Soil	
SVOCs															
Benzo(a)anthracene	5.1	23	78000	370000	*1.85	-		-		-		-		-	
Benzo(a)pyrene	0.51	2.3	3500	16000	NC	0.016	U	0.016	U	0.016	U	0.016	U	0.016	U
Metals															
Mercury	23	390	520000	NC	*0.29	-		-		-		-		-	

Notes:

All analytical results for soil in milligrams per kilogram (mg/kg)

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Ridgewood Village Historic Site
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23-1429

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Client Sample ID:	NJ Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non-Residential Ingestion Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non-Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Migration to Groundwater Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	GRID-18(2.0-2.5)		GRID-18-N1		GRID-18-S1		GRID-18-E1		GRID-18-W1	
Lab Sample ID:						JE1296-38		JE1300-1		JE1300-3		JE1300-5		JE1300-7	
Date Sampled:						11/21/2024		11/22/2024		11/22/2024		11/22/2024		11/22/2024	
Sample Depth (ft, bgs):						2.0-2.5		1.0-1.5		1.0-1.5		1.0-1.5		1.0-1.5	
Saturated (S)/Unsaturated (US):						US		US		US		US		US	
Matrix:						Soil		Soil		Soil		Soil		Soil	
SVOCs															
Benzo(a)anthracene	5.1	23	78000	370000	*1.85	0.0097	U	0.0099	U	0.010	U	0.0097	U	0.010	U
Benzo(a)pyrene	0.51	2.3	3500	16000	NC	0.016	U	0.016	U	0.017	U	0.016	U	0.017	U
Metals															
Mercury	23	390	520000	NC	*0.29	-		-		-		-		-	

Notes:

All analytical results for soil in milligrams per kilogram (mg/kg)

Site Specific Migration to Groundwater Soil Remediation Standard (MGWSRS) was calculated for benzo(a)anthracene using NJDEP's SPLP Spreadsheet, V1.0, May 2021.

ft, bgs= feet below ground surface

All sample depths presented in ft, bgs

NC = No criteria established for this contaminant

U = Denotes parameters analyzed for but not detected; value shown is the laboratory reporting limit

- = Not Analyzed

SVOCs = Semi-Volatile Organic Compounds

Unsaturated soil samples compared to MGWSRS/AR-MGWSRS

* = AR-MGWSRS utilized as standard

NJ-MGWSRS = New Jersey 2021 Migration to Groundwater Exposure Pathway Soil Remediation Standards Criteria

AR-MGWSRS = Alternative Remediation - Migration to Groundwater Soil Remediation Standard

NJ-NRISRS = New Jersey 2021 Non-Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria

NJ-NRIDSRS = New Jersey 2021 Non-Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria

NJ-RISRS = New Jersey 2021 Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria

NJ-RIDSRS = New Jersey 2021 Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria

Bold and italic	Reporting limit exceeds NJDEP's most stringent standard
Bold and italic	Exceeds the NJDEP MGWSRS/AR-MGWSRS
Bold	Exceeds NJDEP RIDSRS/RISRS
Bold and underline	Exceeds NJDEP NRIDSRS/NRISRS

Table - 2
AOC-2 Non-Berm Soil Analytical Table – RI Delineation Samples
Ridgewood Village Historic Site
460 West Saddle River Road, Village of Ridgewood, New Jersey
23-1429

MATRIXNEWORLD
Engineering Progress

Client Sample ID:	NJ Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non-Residential Ingestion Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non-Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Migration to Groundwater Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	GRID-20(2.0-2.5)		GRID-20(2.5-3.0)		GRID-20-N1		GRID-20-N2		GRID-20-S1		GRID-20-S2		GRID-20-E1		GRID-20-E2		GRID-20-W1		GRID-20-W2	
Lab Sample ID:						JE1542-2		JE1542-3T		JE1542-4		JE1542-5T		JE1542-6		JE1542-7T		JE1542-8		JE1542-9T		JE1542-10		JE1542-11T	
Date Sampled:						11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/26/2024	
Sample Depth (ft, bgs):						2.0-2.5		2.5-3.0		1.0-1.5		1.0-1.5		1.0-1.5		1.0-1.5		1.0-1.5		1.0-1.5		1.0-1.5		1.0-1.5	
Saturated (S)/Unsaturated (US):						US		US		US		US		US		US		US		US		US		US	
Matrix:						Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
SVOCs																									
Benzo(a)anthracene	5.1	23	78000	370000	*1.85	***2.52***		-		**7.65**		1.19		**5.44**		0.785		***2.35***		-		**6.74**		0.708	
Benzo(a)pyrene	0.51	2.3	3500	16000	NC	**2.82**		**2.63**		**9.26**		**1.52**		**6.22**		**0.868**		**2.5**		**1.73**		**7.52**		**0.817**	
Metals																									
Mercury	23	390	520000	NC	*0.29	-		-		-		-		-		-		-		-		-		-	

Notes:

All analytical results for soil in milligrams per kilogram (mg/kg)

Site Specific Migration to Groundwater Soil Remediation Standard (MGWSRS) was calculated for benzo(a)anthracene using NJDEP's SPLP Spreadsheet, V1.0, May 2021.

ft, bgs= feet below ground surface

All sample depths presented in ft, bgs

NC = No criteria established for this contaminant

U = Denotes parameters analyzed for but not detected; value shown is the laboratory reporting limit

- = Not Analyzed

SVOCs = Semi-Volatile Organic Compounds

Unsaturated soil samples compared to MGWSRS/AR-MGWSRS

* = AR-MGWSRS utilized as standard

NJ-MGWSRS = New Jersey 2021 Migration to Groundwater Exposure Pathway Soil Remediation Standards Criteria

AR-MGWSRS = Alternative Remediation - Migration to Groundwater Soil Remediation Standard

NJ-NRISRS = New Jersey 2021 Non-Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria

NJ-NRIDSRS = New Jersey 2021 Non-Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria

NJ-RISRS = New Jersey 2021 Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria

NJ-RIDSRS = New Jersey 2021 Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria

Bold and italic	Reporting limit exceeds NJDEP's most stringent standard
Bold and italic	Exceeds the NJDEP MGWSRS/AR-MGWSRS
Bold	Exceeds NJDEP RIDSRS/RISRS
Bold and underline	Exceeds NJDEP NRIDSRS/NRISRS

Table - 2
AOC-2 Non-Berm Soil Analytical Table – RI Delineation Samples
Ridgewood Village Historic Site
460 West Saddle River Road, Village of Ridgewood, New Jersey
23-1429

Client Sample ID:	NJ Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non-Residential Ingestion Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non-Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Migration to Groundwater Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	GRID-21(2.0-2.5)		GRID-21-N1		GRID-21-N2		GRID-21-E1	
Lab Sample ID:						**JE1300-45**		**JE1300-47**		**JE1300-48A**		**JE1300-49**	
Date Sampled:						**11/22/2024**		**11/22/2024**		**11/22/2024**		**11/22/2024**	
Sample Depth (ft, bgs):						**2.0-2.5**		**1.0-1.5**		**1.0-1.5**		**1.0-1.5**	
Saturated (S)/Unsaturated (US):						**US**		**US**		**US**		**US**	
Matrix:						**Soil**		**Soil**		**Soil**		**Soil**	
SVOCs													
Benzo(a)anthracene	5.1	23	78000	370000	*1.85	-		-		-		-	
Benzo(a)pyrene	0.51	2.3	3500	16000	NC	0.283		**0.586**		**1.06**		0.406	
Metals													
Mercury	23	390	520000	NC	*0.29	-		-		-		-	

Notes:

All analytical results for soil in milligrams per kilogram (mg/kg)

Site Specific Migration to Groundwater Soil Remediation Standard (MGWSRS) was calculated for benzo(a)anthracene using NJDEP's SPLP Spreadsheet, V1.0, May 2021.

ft, bgs= feet below ground surface

All sample depths presented in ft, bgs

NC = No criteria established for this contaminant

U = Denotes parameters analyzed for but not detected; value shown is the laboratory reporting limit

- = Not Analyzed

SVOCs = Semi-Volatile Organic Compounds

Unsaturated soil samples compared to MGWSRS/AR-MGWSRS

* = AR-MGWSRS utilized as standard

NJ-MGWSRS = New Jersey 2021 Migration to Groundwater Exposure Pathway Soil Remediation Standards Criteria

AR-MGWSRS = Alternative Remediation - Migration to Groundwater Soil Remediation Standard

NJ-NRISRS = New Jersey 2021 Non-Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria

NJ-NRIDSRS = New Jersey 2021 Non-Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria

NJ-RISRS = New Jersey 2021 Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria

NJ-RIDSRS = New Jersey 2021 Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria

Bold and italic	Reporting limit exceeds NJDEP's most stringent standard
Bold and italic	Exceeds the NJDEP MGWSRS/AR-MGWSRS
Bold	Exceeds NJDEP RIDSRS/RISRS
Bold and underline	Exceeds NJDEP NRIDSRS/NRISRS

Table - 2
AOC-2 Non-Berm Soil Analytical Table – RI Delineation Samples
Ridgewood Village Historic Site
460 West Saddle River Road, Village of Ridgewood, New Jersey
23-1429

MATRIXNEWORLD
Engineering Progress

Client Sample ID:	NJ Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non-Residential Ingestion Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non-Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Migration to Groundwater Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	GRID-26(2.0-2.5)		GRID-26-N1		GRID-26-S1		GRID-26-E1		GRID-26-W1	
Lab Sample ID:						JE1296-2		JE1296-4		JE1296-6		JE1296-8		JE1296-10	
Date Sampled:						11/21/2024		11/21/2024		11/21/2024		11/21/2024		11/21/2024	
Sample Depth (ft, bgs):						2.0-2.5		1.0-1.5		1.0-1.5		1.0-1.5		1.0-1.5	
Saturated (S)/Unsaturated (US):						US		US		US		US		US	
Matrix:						Soil		Soil		Soil		Soil		Soil	
SVOCs															
Benzo(a)anthracene	5.1	23	78000	370000	*1.85	-		-		-		-		-	
Benzo(a)pyrene	0.51	2.3	3500	16000	NC	0.016	U	0.016	U	0.016	U	0.016	U	0.016	U
Metals															
Mercury	23	390	520000	NC	*0.29	-		-		-		-		-	

Notes:

All analytical results for soil in milligrams per kilogram (mg/kg)

Site Specific Migration to Groundwater Soil Remediation Standard (MGWSRS) was calculated for benzo(a)anthracene using NJDEP's SPLP Spreadsheet, V1.0, May 2021.

ft, bgs= feet below ground surface

All sample depths presented in ft, bgs

NC = No criteria established for this contaminant

U = Denotes parameters analyzed for but not detected; value shown is the laboratory reporting limit

- = Not Analyzed

SVOCs = Semi-Volatile Organic Compounds

Unsaturated soil samples compared to MGWSRS/AR-MGWSRS

* = AR-MGWSRS utilized as standard

NJ-MGWSRS = New Jersey 2021 Migration to Groundwater Exposure Pathway Soil Remediation Standards Criteria

AR-MGWSRS = Alternative Remediation - Migration to Groundwater Soil Remediation Standard

NJ-NRISRS = New Jersey 2021 Non-Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria

NJ-NRIDSRS = New Jersey 2021 Non-Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria

NJ-RISRS = New Jersey 2021 Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria

NJ-RIDSRS = New Jersey 2021 Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria

Bold and italic	Reporting limit exceeds NJDEP's most stringent standard
Bold and italic	Exceeds the NJDEP MGWSRS/AR-MGWSRS
Bold	Exceeds NJDEP RIDSRS/RISRS
Bold and underline	Exceeds NJDEP NRIDSRS/NRISRS

Table - 2
AOC-2 Non-Berm Soil Analytical Table – RI Delineation Samples
Ridgewood Village Historic Site
460 West Saddle River Road, Village of Ridgewood, New Jersey
23-1429

Client Sample ID:	NJ Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non-Residential Ingestion Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non-Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Migration to Groundwater Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	GRID-28(2.0-2.5)		GRID-28(2.5-3.0)		GRID-28-N1		GRID-28-E1	
Lab Sample ID:						**JE1296-14**		**JE1296-15U**		**JE1296-16**		**JE1296-20**	
Date Sampled:						**11/21/2024**		**11/21/2024**		**11/21/2024**		**11/21/2024**	
Sample Depth (ft, bgs):						**2.0-2.5**		**2.5-3.0**		**1.0-1.5**		**1.0-1.5**	
Saturated (S)/Unsaturated (US):						**US**		**US**		**US**		**US**	
Matrix:						**Soil**		**Soil**		**Soil**		**Soil**	
SVOCs													
Benzo(a)anthracene	5.1	23	78000	370000	*1.85	-		-		-		-	
Benzo(a)pyrene	0.51	2.3	3500	16000	NC	**0.772**		**1.36**		0.016	U	0.016	U
Metals													
Mercury	23	390	520000	NC	*0.29	-		-		-		-	

Notes:

All analytical results for soil in milligrams per kilogram (mg/kg)

Site Specific Migration to Groundwater Soil Remediation Standard (MGWSRS) was calculated for benzo(a)anthracene using NJDEP's SPLP Spreadsheet, V1.0, May 2021.

ft, bgs= feet below ground surface

All sample depths presented in ft, bgs

NC = No criteria established for this contaminant

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SVOCs = Semi-Volatile Organic Compounds

Unsaturated soil samples compared to MGWSRS/AR-MGWSRS

* = AR-MGWSRS utilized as standard

NJ-MGWSRS = New Jersey 2021 Migration to Groundwater Exposure Pathway Soil Remediation Standards Criteria

AR-MGWSRS = Alternative Remediation - Migration to Groundwater Soil Remediation Standard

NJ-NRISRS = New Jersey 2021 Non-Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria

NJ-NRIDSRS = New Jersey 2021 Non-Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria

NJ-RISRS = New Jersey 2021 Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria

NJ-RIDSRS = New Jersey 2021 Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria

Bold and italic	Reporting limit exceeds NJDEP's most stringent standard
Bold and italic	Exceeds the NJDEP MGWSRS/AR-MGWSRS
Bold	Exceeds NJDEP RIDSRS/RISRS
Bold and underline	Exceeds NJDEP NRIDSRS/NRISRS

Table - 3
AOC-2 Non-Berm Soil Analytical Table – RI Pesticide QC Samples
Ridgewood Village Historic Site
460 West Saddle River Road, Village of Ridgewood, New Jersey
23-1429

MATRIXNEWORLD
Engineering Progress

Client Sample ID:	NJ Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non-Residential Ingestion Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non-Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Migration to Groundwater Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	GRID-4R		GRID-10R		GRID-11R		GRID-16R		GRID-18R		GRID-20R		GRID-21R		GRID-26R		GRID-28R	
Lab Sample ID:						JE1300-9T		JE1300-32R		JE1300-21R		JE1296-25R		JE1296-37R		JE1542-1R		JE1300-44R		JE1296-1R		JE1296-13R	
Date Sampled:						11/22/2024		11/22/2024		11/22/2024		11/21/2024		11/21/2024		11/26/2024		11/22/2024		11/21/2024		11/21/2024	
Sample Depth (ft, bgs):						1.0-1.5		1.0-1.5		1.0-1.5		1.0-1.5		1.0-1.5		1.0-1.5		1.0-1.5		1.0-1.5		1.0-1.5	
Saturated (S)/Unsaturated (US):						US		US		US		US		US		US		US		US		US	
Matrix:						Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Pesticides																							
Aldrin	0.041	0.21	NC	NC	0.13	0.00042 [a]	U	0.00043	U	0.00041	U	0.00041	U	0.00039	U	0.00046	U	0.00043	U	0.00042	U	0.00042	U
4,4'-DDD	2.3	11	NC	NC	0.47	0.00066		0.0036		0.00041	U	0.00041	U	0.00039	U	0.00046	U	0.0007 [b]		0.00009	J	0.0148	
4,4'-DDE	2	11	NC	NC	0.47	0.0177 [d]		0.026		0.00047		0.00041	U	0.00039	U	0.0015 [a]		0.0027 [c]		0.0013		0.0203	
4,4'-DDT	1.9	9.5	NC	NC	0.67	0.0079 [d]		0.0034 [a]		0.00044 [b]		0.00041	U	0.00039	U	0.0101 [b]		0.0026 [a]		0.00079		0.0085	
alpha-BHC	0.086	0.41	NC	NC	0.0023	0.00042	U	0.00043	U	0.00041	U	0.00041	U	0.00039	U	0.00046	U	0.00043	U	0.00042	U	0.00042	U
alpha-Chlordane	0.27	1.4	NC	NC	1.4	0.0775		0.0023		0.00084		0.00041	U	0.00039	U	0.00058		0.0045		0.00012 [b]	J	0.0104 [b]	
beta-BHC	0.3	1.4	NC	NC	0.0046	0.00042	U	0.00043	U	0.00041	U	0.00041	U	0.00039	U	0.00046	U	0.00043	U	0.00042	U	0.00042	U
Chlordane (alpha and gamma)	0.27	1.4	NC	NC	1.4	0.0822		0.0035		0.0014		0.00041	U	0.00039	U	0.0018		0.0069		0.00012	J	0.019	
delta-BHC	NC	NC	NC	NC	NC	0.00042 [a]	U	0.00043	U	0.00041	U	0.00041	U	0.00039	U	0.00046	U	0.00043	U	0.00042	U	0.00042	U
Dieldrin	0.034	0.16	NC	NC	0.024	0.00042	U	0.00026	J	0.00041	U	0.00041	U	0.00039	U	0.00046	U	0.00061 [b]		0.00042	U	0.0013 [b]	
Endosulfan sulfate	NC	NC	NC	NC	NC	0.00042	U	0.00043	U	0.00041	U	0.00041	U	0.00039	U	0.00046	U	0.00043	U	0.00042	U	0.00042	U
Endosulfan-I	470	7800	NC	NC	NC	0.00042	U	0.00043	U	0.00041	U	0.00041	U	0.00039	U	0.00094		0.00043	U	0.00042	U	0.00042	U
Endosulfan-II	470	7800	NC	NC	NC	0.00042	U	0.00043	U	0.00042 [b]		0.00041	U	0.00039	U	0.00046	U	0.00023 [b]	J	0.00042	U	0.00023 [b]	J
Endrin	19	270	NC	NC	1.6	0.0016		0.00043	U	0.00041	U	0.00041	U	0.00039	U	0.00046	U	0.00063 [b]		0.00042	U	0.00042	U
Endrin aldehyde	NC	NC	NC	NC	NC	0.00042	U	0.00043	U	0.00041	U	0.00041	U	0.00039	U	0.00046	U	0.00043	U	0.00042	U	0.00042	U
Endrin ketone	NC	NC	NC	NC	NC	0.00042	U	0.00043	U	0.00041	U	0.00041	U	0.00039	U	0.00046	U	0.00043	U	0.00042	U	0.00042	U
gamma-BHC (Lindane)	0.57	2.8	NC	NC	0.0035	0.00042 [a]	U	0.00043	U	0.00041	U	0.00041	U	0.00039	U	0.00046	U	0.00043	U	0.00042	U	0.00042	U
gamma-Chlordane	0.27	1.4	NC	NC	1.4	0.0047		0.0012		0.00056		0.00041	U	0.00039	U	0.0012		0.0024		0.00042	U	0.0086	
Heptachlor	0.15	0.81	NC	NC	0.083	0.00012	J	0.00043	U	0.00041	U	0.00041	U	0.00039	U	0.00046	U	0.00043	U	0.00042	U	0.00042	U
Heptachlor epoxide	0.076	0.4	NC	NC	0.081	**0.0799**		0.00022 [b]	J	0.00014 [b]	J	0.00041	U	0.00039	U	0.00046	U	0.00049 [b]		0.00042	U	0.0018 [b]	
Methoxychlor	320	4600	NC	NC	NC	0.0016		0.00043	U	0.0011 [b]		0.00041	U	0.00039	U	0.00046 [d]	U	0.00026 [b]	J	0.00042	U	0.00042	U
Toxaphene	0.49	2.3	NC	NC	6.2	0.0053	U	0.0054	U	0.0052	U	0.0051	U	0.0048	U	0.0058	U	0.0054	U	0.0052	U	0.0052	U

Notes:

All analytical results for soil in milligrams per kilogram (mg/kg)

ft, bgs= feet below ground surface

All sample depths presented in ft, bgs

[a] Associated CCV outside of control limits high, sample was ND.

[b] More than 40 % RPD for detected concentrations between the two GC columns.

[c] Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only. More than 40 % RPD for detected concentrations between the two GC columns.

[d] Associated CCV outside control limits biased high. Sample reanalyzed for confirmation with similar results.

J = Estimated concentration below laboratory reporting limit

NC = No criteria established for this contaminant

U = Denotes parameters analyzed for but not detected; value shown is the laboratory reporting limit

- = Not Analyzed

Unsaturated soil samples compared to NJDEP's May 2021 Default Migration to Groundwater Soil Remediation Standards

NJ-MGWSRS = New Jersey 2021 Migration to Groundwater Exposure Pathway Soil Remediation Standards Criteria

NJ-NRISRS = New Jersey 2021 Non-Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria

NJ-NRIDSRS = New Jersey 2021 Non-Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria

NJ-RISRS = New Jersey 2021 Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria

NJ-RIDSRS = New Jersey 2021 Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria

Bold and italic	Reporting limit exceeds NJDEP's most stringent standard
Bold and italic	Exceeds the NJDEP MGWSRS/AR-MGWSRS
Bold	Exceeds NJDEP RIDSRS/RISRS
Bold and underline	Exceeds NJDEP NRIDSRS/NRISRS

Table - 4
AOC-2 Non-Berm Soil Analytical Table – RI Additional Characterization Samples
Ridgewood Village Historic Site
460 West Saddle River Road, Village of Ridgewood, New Jersey
23-1429

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Client Sample ID:	NJ Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non-Residential Ingestion Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non-Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Migration to Groundwater Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	GRID-29		GRID-30		GRID-31		GRID-32	
Lab Sample ID:						JE1536-1		JE1536-2		JE1536-3		JE1536-4	
Date Sampled:						11/26/2024		11/26/2024		11/26/2024		11/26/2024	
Sample Depth (ft, bgs):						1.0 - 1.5		1.0 - 1.5		1.0 - 1.5		1.0 - 1.5	
Saturated (S)/Unsaturated (US):						US		US		US		US	
Matrix:						Soil		Soil		Soil		Soil	
VOCs													
Acetone	70000	NC	NC	NC	19	0.014	U	0.0094	U	0.011	U	0.011	U
Benzene	3	16	2.2	11	0.0094	0.00068	U	0.00047	U	0.00054	U	0.00055	U
Bromochloromethane	NC	NC	NC	NC	NC	0.0068	U	0.0047	U	0.0054	U	0.0055	U
Bromodichloromethane	11	59	NC	NC	0.005	0.0027	U	0.0019	U	0.0021	U	0.0022	U
Bromoform	88	460	NC	NC	0.018	0.0068	U	0.0047	U	0.0054	U	0.0055	U
Bromomethane	110	1800	18	82	0.043	0.0068	U	0.0047	U	0.0054	U	0.0055	U
2-Butanone (MEK)	47000	780000	NC	NC	0.98	0.014	U	0.0094	U	0.011	U	0.011	U
Carbon disulfide	NC	NC	NC	NC	3.7	0.0027	U	0.0019	U	0.0021	U	0.0022	U
Carbon tetrachloride	7.6	40	1.4	6.9	0.0075	0.0027	U	0.0019	U	0.0021	U	0.0022	U
Chlorobenzene	510	8400	NC	NC	0.64	0.0027	U	0.0019	U	0.0021	U	0.0022	U
Chloroethane	NC	NC	NC	NC	NC	0.0068	U	0.0047	U	0.0054	U	0.0055	U
Chloroform	780	13000	590	NC	0.33	0.0027	U	0.0019	U	0.0021	U	0.0022	U
Chloromethane	NC	NC	270	1200	NC	0.0068	U	0.0047	U	0.0054	U	0.0055	U
Cyclohexane	NC	NC	NC	NC	NC	0.0027	U	0.0019	U	0.0021	U	0.0022	U
1,2-Dibromo-3-chloropropane	0.87	4.5	0.026	0.12	0.005	0.0027	U	0.0019	U	0.0021	U	0.0022	U
Dibromochloromethane	8.3	43	NC	NC	0.005	0.0027	U	0.0019	U	0.0021	U	0.0022	U
1,2-Dibromoethane	0.35	1.8	0.085	0.41	0.005	0.0014	U	0.00094	U	0.0011	U	0.0011	U
1,2-Dichlorobenzene	6700	110000	NC	NC	11	0.0014	U	0.00094	U	0.0011	U	0.0011	U
1,3-Dichlorobenzene	6700	110000	NC	NC	11	0.0014	U	0.00094	U	0.0011	U	0.0011	U
1,4-Dichlorobenzene	780	13000	NC	NC	1.4	0.0014	U	0.00094	U	0.0011	U	0.0011	U
Dichlorodifluoromethane	16000	260000	NC	NC	38	0.0068 [d]	U	0.0047 [d]	U	0.0054 [d]	U	0.0055 [d]	U
1,1-Dichloroethane	120	640	NC	NC	0.24	0.0014	U	0.00094	U	0.0011	U	0.0011	U
1,2-Dichloroethane	5.8	30	71	320	0.0095	0.0014	U	0.00094	U	0.0011	U	0.0011	U
1,1-Dichloroethene	11	180	52	240	0.0069	0.0014	U	0.00094	U	0.0011	U	0.0011	U
cis-1,2-Dichloroethene	780	13000	NC	NC	0.35	0.0014	U	0.00094	U	0.0011	U	0.0011	U
trans-1,2-Dichloroethene	1300	22000	NC	NC	0.56	0.0014	U	0.00094	U	0.0011	U	0.0011	U
1,2-Dichloropropane	19	98	5.7	27	0.0058	0.0027	U	0.0019	U	0.0021	U	0.0022	U
cis-1,3-Dichloropropene	7	36	4.8	23	0.0063	0.0027	U	0.0019	U	0.0021	U	0.0022	U
trans-1,3-Dichloropropene	7	36	4.8	23	0.0063	0.0027	U	0.0019	U	0.0021	U	0.0022	U
Ethylbenzene	7800	130000	10	48	15	0.0014	U	0.00094	U	0.0011	U	0.0011	U
Freon 113	NC	NC	NC	NC	NC	0.0068	U	0.0047	U	0.0054	U	0.0055	U
2-Hexanone	390	6500	1000	NC	0.15	0.0068	U	0.0047	U	0.0054	U	0.0055	U
Isopropylbenzene	7800	130000	NC	NC	22	0.0027	U	0.0019	U	0.0021	U	0.0022	U
Methyl Acetate	78000	NC	NC	NC	22	0.0068	U	0.0047	U	0.0054	U	0.0055	U
Methylcyclohexane	NC	NC	NC	NC	NC	0.0027	U	0.0019	U	0.0021	U	0.0022	U
Methyl Tert Butyl Ether	780	13000	140	650	0.25	0.0014	U	0.00094	U	0.0011	U	0.0011	U
4-Methyl-2-pentanone(MIBK)	NC	NC	NC	NC	NC	0.0068	U	0.0047	U	0.0054	U	0.0055	U
Methylene chloride	50	260	1400	NC	0.013	0.0068	U	0.0047	U	0.0054	U	0.0055	U
Styrene	16000	260000	NC	NC	2.1	0.0027	U	0.0019	U	0.0021	U	0.0022	U
1,1,2,2-Tetrachloroethane	3.5	18	NC	NC	0.0069	0.0027	U	0.0019	U	0.0021	U	0.0022	U
Tetrachloroethene	330	1700	47	NC	0.0086	0.0027	U	0.0019	U	0.0021	U	0.0022	U
Toluene	6300	100000	NC	NC	7.8	0.0014	U	0.00094	U	0.0011	U	0.0011	U
1,2,3-Trichlorobenzene	NC	NC	NC	NC	NC	0.0068	U	0.0047	U	0.0054	U	0.0055	U
1,2,4-Trichlorobenzene	780	13000	94	NC	0.52	0.0068	U	0.0047	U	0.0054	U	0.0055	U
1,1,1-Trichloroethane	160000	NC	NC	NC	0.2	0.0027	U	0.0019	U	0.0021	U	0.0022	U
1,1,2-Trichloroethane	12	64	NC	NC	0.017	0.0027	U	0.0019	U	0.0021	U	0.0022	U
Trichloroethene	15	79	3	14	0.0065	0.0014	U	0.00094	U	0.0011	U	0.0011	U
Trichlorofluoromethane	23000	390000	NC	NC	29	0.0068	U	0.0047	U	0.0054	U	0.0055	U
Vinyl chloride	0.97	5	1.4	6.4	0.0067	0.0027	U	0.0019	U	0.0021	U	0.0022	U
m,p-Xylene	12000	190000	NC	NC	19	0.0014	U	0.00094	U	0.0011	U	0.0011	U
o-Xylene	12000	190000	NC	NC	19	0.0014	U	0.00094	U	0.0011	U	0.0011	U
Xylene (total)	12000	190000	NC	NC	19	0.0014	U	0.00094	U	0.0011	U	0.0011	U
Total TIC, Volatile	NC	NC	NC	NC	NC	0		0		0		0	

Notes:

All analytical results for soil in milligrams per kilogram (mg/kg)

Site Specific Migration to Groundwater Soil Remediation Standard (MGWSRS) was calculated for benzo(a)anthracene using NJDEP's SPLP Spreadsheet, V1.0, May 2021.

ft, bgs= feet below ground surface

All sample depths presented in ft, bgs

[a] More than 40 % RPD for detected concentrations between the two GC columns.

[b] Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only.

[c] Associated CCV outside of control limits high, sample was ND.

[d] Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

[e] Outside of in house control limits.

[f] Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only. More than 40 % RPD for detected concentrations between the two GC columns.

[g] Reported from 1st signal. Internal standard outside the limits on the 2nd signal.

[h] Reported from 1st signal. Internal standard outside the limits on the 2nd signal. More than 40 % RPD for detected concentrations between the two GC columns.

B = Indicates analyte found in associated method blank

J = Estimated concentration below laboratory reporting limit

NC = No criteria established for this contaminant

U = Denotes parameters analyzed for but not detected; value shown is the laboratory reporting limit

- = Not Analyzed

SVOCs = Semi-Volatile Organic Compounds

Unsaturated soil samples compared to MGWSRS/AR-MGWSRS

* = AR-MGWSRS utilized as standard

NJ-MGWSRS = New Jersey 2021 Migration to Groundwater Exposure Pathway Soil Remediation Standards Criteria

AR-MGWSRS = Alternative Remediation - Migration to Groundwater Soil Remediation Standard

NJ-NRISRS = New Jersey 2021 Non-Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria

NJ-NRIDSRS = New Jersey 2021 Non-Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria

NJ-RISRS = New Jersey 2021 Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria

NJ-RIDSRS = New Jersey 2021 Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria

Bold and italic	Reporting limit exceeds NJDEP's most stringent standard
Bold and italic	Exceeds the NJDEP MGWSRS/AR-MGWSRS
Bold	Exceeds NJDEP RIDSRS/RISRS
Bold and underline	Exceeds NJDEP NRIDSRS/NRISRS

Table - 4
AOC-2 Non-Berm Soil Analytical Table – RI Additional Characterization Samples
Ridgewood Village Historic Site
460 West Saddle River Road, Village of Ridgewood, New Jersey
23-1429

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Client Sample ID:	NJ Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non-Residential Ingestion Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non-Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Migration to Groundwater Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	GRID-33		GRID-34		GRID-35		GRID-36	
Lab Sample ID:						JE1536-5		JE1536-6		JE1536-7		JE1536-8	
Date Sampled:						11/26/2024		11/26/2024		11/26/2024		11/26/2024	
Sample Depth (ft, bgs):						1.0 - 1.5		1.0 - 1.5		1.0 - 1.5		1.0 - 1.5	
Saturated (S)/Unsaturated (US):						US		US		US		US	
Matrix:						Soil		Soil		Soil		Soil	
VOCs													
Acetone	70000	NC	NC	NC	19	0.012	U	0.01	U	0.0095	U	0.014	U
Benzene	3	16	2.2	11	0.0094	0.00058	U	0.0005	U	0.00048	U	0.00071	U
Bromochloromethane	NC	NC	NC	NC	NC	0.0058	U	0.005	U	0.0048	U	0.0071	U
Bromodichloromethane	11	59	NC	NC	0.005	0.0023	U	0.002	U	0.0019	U	0.0028	U
Bromoform	88	460	NC	NC	0.018	0.0058	U	0.005	U	0.0048	U	0.0071	U
Bromomethane	110	1800	18	82	0.043	0.0058	U	0.005	U	0.0048	U	0.0071	U
2-Butanone (MEK)	47000	780000	NC	NC	0.98	0.012	U	0.01	U	0.0095	U	0.014	U
Carbon disulfide	NC	NC	NC	NC	3.7	0.0023	U	0.002	U	0.0019	U	0.0028	U
Carbon tetrachloride	7.6	40	1.4	6.9	0.0075	0.0023	U	0.002	U	0.0019	U	0.0028	U
Chlorobenzene	510	8400	NC	NC	0.64	0.0023	U	0.002	U	0.0019	U	0.0028	U
Chloroethane	NC	NC	NC	NC	NC	0.0058	U	0.005	U	0.0048	U	0.0071	U
Chloroform	780	13000	590	NC	0.33	0.0023	U	0.002	U	0.0019	U	0.0028	U
Chloromethane	NC	NC	270	1200	NC	0.0058	U	0.005	U	0.0048	U	0.0071	U
Cyclohexane	NC	NC	NC	NC	NC	0.0023	U	0.002	U	0.0019	U	0.0028	U
1,2-Dibromo-3-chloropropane	0.87	4.5	0.026	0.12	0.005	0.0023	U	0.002	U	0.0019	U	0.0028	U
Dibromochloromethane	8.3	43	NC	NC	0.005	0.0023	U	0.002	U	0.0019	U	0.0028	U
1,2-Dibromoethane	0.35	1.8	0.085	0.41	0.005	0.0012	U	0.001	U	0.00095	U	0.0014	U
1,2-Dichlorobenzene	6700	110000	NC	NC	11	0.0012	U	0.001	U	0.00095	U	0.0014	U
1,3-Dichlorobenzene	6700	110000	NC	NC	11	0.0012	U	0.001	U	0.00095	U	0.0014	U
1,4-Dichlorobenzene	780	13000	NC	NC	1.4	0.0012	U	0.001	U	0.00095	U	0.0014	U
Dichlorodifluoromethane	16000	260000	NC	NC	38	0.0058 [d]	U	0.005 [d]	U	0.0048 [d]	U	0.0071 [d]	U
1,1-Dichloroethane	120	640	NC	NC	0.24	0.0012	U	0.001	U	0.00095	U	0.0014	U
1,2-Dichloroethane	5.8	30	71	320	0.0095	0.0012	U	0.001	U	0.00095	U	0.0014	U
1,1-Dichloroethene	11	180	52	240	0.0069	0.0012	U	0.001	U	0.00095	U	0.0014	U
cis-1,2-Dichloroethene	780	13000	NC	NC	0.35	0.0012	U	0.001	U	0.00095	U	0.0014	U
trans-1,2-Dichloroethene	1300	22000	NC	NC	0.56	0.0012	U	0.001	U	0.00095	U	0.0014	U
1,2-Dichloropropane	19	98	5.7	27	0.0058	0.0023	U	0.002	U	0.0019	U	0.0028	U
cis-1,3-Dichloropropene	7	36	4.8	23	0.0063	0.0023	U	0.002	U	0.0019	U	0.0028	U
trans-1,3-Dichloropropene	7	36	4.8	23	0.0063	0.0023	U	0.002	U	0.0019	U	0.0028	U
Ethylbenzene	7800	130000	10	48	15	0.0012	U	0.001	U	0.00095	U	0.0014	U
Freon 113	NC	NC	NC	NC	NC	0.0058	U	0.005	U	0.0048	U	0.0071	U
2-Hexanone	390	6500	1000	NC	0.15	0.0058	U	0.005	U	0.0048	U	0.0071	U
Isopropylbenzene	7800	130000	NC	NC	22	0.0023	U	0.002	U	0.0019	U	0.0028	U
Methyl Acetate	78000	NC	NC	NC	22	0.0058	U	0.005	U	0.0048	U	0.0071	U
Methylcyclohexane	NC	NC	NC	NC	NC	0.0023	U	0.002	U	0.0019	U	0.0028	U
Methyl Tert Butyl Ether	780	13000	140	650	0.25	0.0012	U	0.001	U	0.00095	U	0.0014	U
4-Methyl-2-pentanone(MIBK)	NC	NC	NC	NC	NC	0.0058	U	0.005	U	0.0048	U	0.0071	U
Methylene chloride	50	260	1400	NC	0.013	0.003	J	0.005	U	0.0048	U	0.0071	U
Styrene	16000	260000	NC	NC	2.1	0.0023	U	0.002	U	0.0019	U	0.0028	U
1,1,2,2-Tetrachloroethane	3.5	18	NC	NC	0.0069	0.0023	U	0.002	U	0.0019	U	0.0028	U
Tetrachloroethene	330	1700	47	NC	0.0086	0.0023	U	0.002	U	0.0019	U	0.0028	U
Toluene	6300	100000	NC	NC	7.8	0.0012	U	0.001	U	0.00095	U	0.0014	U
1,2,3-Trichlorobenzene	NC	NC	NC	NC	NC	0.0058	U	0.005	U	0.0048	U	0.0071	U
1,2,4-Trichlorobenzene	780	13000	94	NC	0.52	0.0058	U	0.005	U	0.0048	U	0.0071	U
1,1,1-Trichloroethane	160000	NC	NC	NC	0.2	0.0023	U	0.002	U	0.0019	U	0.0028	U
1,1,2-Trichloroethane	12	64	NC	NC	0.017	0.0023	U	0.002	U	0.0019	U	0.0028	U
Trichloroethene	15	79	3	14	0.0065	0.0012	U	0.001	U	0.00095	U	0.0014	U
Trichlorofluoromethane	23000	390000	NC	NC	29	0.0058	U	0.005	U	0.0048	U	0.0071	U
Vinyl chloride	0.97	5	1.4	6.4	0.0067	0.0023	U	0.002	U	0.0019	U	0.0028	U
m,p-Xylene	12000	190000	NC	NC	19	0.0012	U	0.001	U	0.00095	U	0.0014	U
o-Xylene	12000	190000	NC	NC	19	0.0012	U	0.001	U	0.00095	U	0.0014	U
Xylene (total)	12000	190000	NC	NC	19	0.0012	U	0.001	U	0.00095	U	0.0014	U
Total TIC, Volatile	NC	NC	NC	NC	NC	0		0		0		0	

Notes:

All analytical results for soil in milligrams per kilogram (mg/kg)

Site Specific Migration to Groundwater Soil Remediation Standard (MGWSRS) was calculated for benzo(a)anthracene using NJDEP's SPLP Spreadsheet, V1.0, May 2021.

ft, bgs= feet below ground surface

All sample depths presented in ft, bgs

[a] More than 40 % RPD for detected concentrations between the two GC columns.

[b] Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only.

[c] Associated CCV outside of control limits high, sample was ND.

[d] Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

[e] Outside of in house control limits.

[f] Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only. More than 40 % RPD for detected concentrations b

[g] Reported from 1st signal. Internal standard outside the limits on the 2nd signal.

[h] Reported from 1st signal. Internal standard outside the limits on the 2nd signal. More than 40 % RPD for detected concentrations between the two GC columns.

B = Indicates analyte found in associated method blank

J = Estimated concentration below laboratory reporting limit

NC = No criteria established for this contaminant

U = Denotes parameters analyzed for but not detected; value shown is the laboratory reporting limit

- = Not Analyzed

SVOCs = Semi-Volatile Organic Compounds

Unsaturated soil samples compared to MGWSRS/AR-MGWSRS

* = AR-MGWSRS utilized as standard

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AR-MGWSRS = Alternative Remediation - Migration to Groundwater Soil Remediation Standard

NJ-NRISRS = New Jersey 2021 Non-Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria

NJ-NRIDSRS = New Jersey 2021 Non-Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria

NJ-RISRS = New Jersey 2021 Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria

NJ-RIDSRS = New Jersey 2021 Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria

Bold and italic	Reporting limit exceeds NJDEP's most stringent standard
Bold and italic	Exceeds the NJDEP MGWSRS/AR-MGWSRS
Bold	Exceeds NJDEP RIDSRS/RISRS
Bold and underline	Exceeds NJDEP NRIDSRS/NRISRS

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Table - 4
AOC-2 Non-Berm Soil Analytical Table – RI Additional Characterization Samples
Ridgewood Village Historic Site
460 West Saddle River Road, Village of Ridgewood, New Jersey
23-1429

Client Sample ID:	NJ Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non-Residential Ingestion Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non-Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Migration to Groundwater Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	GRID-29		GRID-30		GRID-31		GRID-32	
Lab Sample ID:						JE1536-1		JE1536-2		JE1536-3		JE1536-4	
Date Sampled:						11/26/2024		11/26/2024		11/26/2024		11/26/2024	
Sample Depth (ft, bgs):						1.0 - 1.5		1.0 - 1.5		1.0 - 1.5		1.0 - 1.5	
Saturated (S)/Unsaturated (US):						US		US		US		US	
Matrix:						Soil		Soil		Soil		Soil	
SVOCs													
2-Chlorophenol	390	6500	NC	NC	0.76	0.081	U	0.073	U	0.082	U	0.072	U
1,1'-Biphenyl	87	450	NC	NC	NC	0.081	U	0.073	U	0.0078	J	0.0059	J
1,2,4,5-Tetrachlorobenzene	23	390	NC	NC	NC	0.2	U	0.18	U	0.2	U	0.18	U
1,4-Dioxane	7	36	45	210	0.067	0.041	U	0.036	U	0.041	U	0.036	U
2,2'-Oxybis(1-chloropropane)	3100	52000	NC	NC	1.9	0.081	U	0.073	U	0.082	U	0.072	U
2,3,4,6-Tetrachlorophenol	1900	27000	NC	NC	26	0.2	U	0.18	U	0.2	U	0.18	U
2,4,5-Trichlorophenol	6300	91000	NC	NC	68	0.2	U	0.18	U	0.2	U	0.18	U
2,4,6-Trichlorophenol	49	230	NC	NC	0.86	0.2	U	0.18	U	0.2	U	0.18	U
2,4-Dichlorophenol	190	2700	NC	NC	0.19	0.2	U	0.18	U	0.2	U	0.18	U
2,4-Dimethylphenol	1300	18000	NC	NC	2.3	0.2	U	0.18	U	0.2	U	0.18	U
2,4-Dinitrophenol	130	1800	NC	NC	0.33	0.2	U	0.18	U	0.2	U	0.18	U
2,4-Dinitrotoluene	NC	NC	NC	NC	NC	0.041	U	0.036	U	0.041	U	0.036	U
2,6-Dinitrotoluene	NC	NC	NC	NC	NC	0.041	U	0.036	U	0.041	U	0.036	U
2-Chloronaphthalene	4800	67000	NC	NC	NC	0.081	U	0.073	U	0.082	U	0.072	U
2-Methylnaphthalene	240	3300	NC	NC	3.1	0.041	U	0.036	U	0.041	U	0.036	U
2-Methylphenol	320	4600	NC	NC	0.77	0.081	U	0.073	U	0.082	U	0.072	U
2-Nitroaniline	NC	NC	NC	NC	NC	0.2	U	0.18	U	0.2	U	0.18	U
2-Nitrophenol	NC	NC	NC	NC	NC	0.2	U	0.18	U	0.2	U	0.18	U
3&4-Methylphenol	NC	NC	NC	NC	NC	0.081	U	0.073	U	0.082	U	0.072	U
3,3'-Dichlorobenzidine	1.2	5.7	NC	NC	3.9	0.081	U	0.073	U	0.082	U	0.072	U
3-Nitroaniline	NC	NC	NC	NC	NC	0.2	U	0.18	U	0.2	U	0.18	U
4,6-Dinitro-o-cresol	NC	NC	NC	NC	NC	0.2	U	0.18	U	0.2	U	0.18	U
4-Bromophenyl phenyl ether	NC	NC	NC	NC	NC	0.081	U	0.073	U	0.082	U	0.072	U
4-Chloro-3-methyl phenol	NC	NC	NC	NC	NC	0.2	U	0.18	U	0.2	U	0.18	U
4-Chloroaniline	2.7	13	NC	NC	0.23	0.2	U	0.18	U	0.2	U	0.18	U
4-Chlorophenyl phenyl ether	NC	NC	NC	NC	NC	0.081	U	0.073	U	0.082	U	0.072	U
4-Nitroaniline	27	130	NC	NC	NC	0.2	U	0.18	U	0.2	U	0.18	U
4-Nitrophenol	NC	NC	NC	NC	NC	0.41	U	0.36	U	0.41	U	0.36	U
Acenaphthene	3600	50000	NC	NC	NC	0.041	U	0.036	U	0.073		0.0135	J
Acenaphthylene	NC	NC	NC	NC	NC	0.0523		0.0502		0.0933		0.0305	J
Acetophenone	7800	130000	NC	NC	3.6	0.2	U	0.18	U	0.2	U	0.18	U
Anthracene	18000	250000	NC	NC	NC	0.0637		0.0594		0.231		0.0724	
Atrazine	220	3200	NC	NC	0.33	0.081	U	0.073	U	0.082	U	0.072	U
Benzaldehyde	170	910	NC	NC	NC	0.2	U	0.18	U	0.2	U	0.18	U
Benzo(a)anthracene	5.1	23	78000	370000	1.85*	0.241		0.196		0.809		0.201	
Benzo(a)pyrene	0.51	2.3	3500	16000	NC	0.278		0.267		**0.902**		0.263	
Benzo(b)fluoranthene	5.1	23	78000	370000	NC	0.338		0.294		1.02		0.283	
Benzo(g,h,i)perylene	NC	NC	NC	NC	NC	0.174		0.178		0.486		0.179	
Benzo(k)fluoranthene	51	230	780000	NC	NC	0.0902		0.114		0.337		0.0843	
bis(2-Chloroethoxy)methane	190	2700	NC	NC	NC	0.081	U	0.073	U	0.082	U	0.072	U
bis(2-Chloroethyl)ether	0.63	3.3	NC	NC	0.33	0.081	U	0.073	U	0.082	U	0.072	U
bis(2-Ethylhexyl)phthalate	39	180	NC	NC	14	0.0118	J	0.073	U	0.0311	J	0.0305	J
Butyl benzyl phthalate	290	1300	NC	NC	29	0.081	U	0.073	U	0.082	U	0.072	U
Caprolactam	32000	460000	290	1300	16	0.081	U	0.073	U	0.082	U	0.072	U
Carbazole	NC	NC	NC	NC	NC	0.0109	J	0.0201	J	0.0527	J	0.0188	J
Chrysene	510	2300	NC	NC	NC	0.231		0.213		0.724		0.197	
Dibenzo(a,h)anthracene	0.51	2.3	7800	37000	NC	0.0435		0.0432		0.124		0.0448	
Dibenzofuran	NC	NC	NC	NC	NC	0.081	U	0.073	U	0.0358	J	0.072	U
Diethyl phthalate	51000	730000	NC	NC	44	0.081	U	0.073	U	0.082	U	0.072	U
Dimethyl phthalate	NC	NC	NC	NC	NC	0.081	U	0.073	U	0.082	U	0.072	U
Di-n-butyl phthalate	6300	91000	NC	NC	NC	0.081	U	0.073	U	0.0108	J	0.0066	J
Di-n-octyl phthalate	630	9100	NC	NC	NC	0.081	U	0.073	U	0.082	U	0.072	U
Fluoranthene	2400	33000	NC	NC	NC	0.38		0.36		1.72		0.391	
Fluorene	2400	33000	NC	NC	NC	0.041	U	0.036	U	0.0885		0.0265	J
Hexachlorobenzene	0.43	2.3	NC	NC	0.17	0.081	U	0.073	U	0.082	U	0.072	U
Hexachlorobutadiene	8.9	47	NC	NC	0.17	0.041	U	0.036	U	0.041	U	0.036	U
Hexachlorocyclopentadiene	470	7800	2.7	NC	2.5	0.41	U	0.36	U	0.41	U	0.36	U
Hexachloroethane	17	91	NC	NC	0.17	0.2	U	0.18	U	0.2	U	0.18	U
Indeno(1,2,3-cd)pyrene	5.1	23	78000	370000	NC	0.135		0.14		0.407		0.136	
Isophorone	570	2700	NC	NC	0.23	0.081	U	0.073	U	0.082	U	0.072	U
Naphthalene	2500	34000	5.7	27	19	0.041	U	0.036	U	0.0221	J	0.0112	J
Nitrobenzene	160	2600	7.5	36	0.17	0.081	U	0.073	U	0.082	U	0.072	U
N-Nitroso-di-n-propylamine	0.17	0.36	NC	NC	0.17	0.081	U	0.073	U	0.082	U	0.072	U
N-Nitrosodiphenylamine	110	520	NC	NC	1.1	0.2	U	0.18	U	0.2	U	0.18	U
Pentachlorophenol	1	4.4	NC	NC	0.33	0.16	U	0.15	U	0.16	U	0.14	U
Phenanthrene	NC	NC	NC	NC	NC	0.151		0.144		0.675		0.198	
Phenol	19000	270000	39000	NC	21	0.081	U	0.073	U	0.082	U	0.072	U
Pyrene	1800	25000	NC	NC	NC	0.356		0.319		1.29		0.306	
Total TIC, Semi-Volatile	NC	NC	NC	NC	NC	3.48	J	4.77	J	2.43	J	3.08	J

Notes:

All analytical results for soil in milligrams per kilogram (mg/kg)

Site Specific Migration to Groundwater Soil Remediation Standard (MGWSRS) was calculated for benzo(a)anthracene using NJDEP's SPLP Spreadsheet, V1.0, May 2021.

ft, bgs= feet below ground surface

All sample depths presented in ft, bgs

[a] More than 40 % RPD for detected concentrations between the two GC columns.

[b] Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only.

[c] Associated CCV outside of control limits high, sample was ND.

[d] Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

[e] Outside of in house control limits.

[f] Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only. More than 40 % RPD for detected concentrations between the two GC columns.

[g] Reported from 1st signal. Internal standard outside the limits on the 2nd signal.

[h] Reported from 1st signal. Internal standard outside the limits on the 2nd signal. More than 40 % RPD for detected concentrations between the two GC columns.

B = Indicates analyte found in associated method blank

J = Estimated concentration below laboratory reporting limit

NC = No criteria established for this contaminant

U = Denotes parameters analyzed for but not detected; value shown is the laboratory reporting limit

- = Not Analyzed

SVOCs = Semi-Volatile Organic Compounds

Unsaturated soil samples compared to MGWSRS/AR- Reporting limit exceeds NJDEP's most stringent standard

* = AR-MGWSRS utilized as standard Exceeds the NJDEP MGWSRS/AR-MGWSRS

NJ-MGWSRS = New Jersey 2021 Migration to Groun Exceeds NJDEP RIDSRS/RISRS

AR-MGWSRS = Alternative Remediation - Migration t Exceeds NJDEP NRIDSRS/NRISRS

NJ-NRISRS = New Jersey 2021 Non-Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria

NJ-NRIDSRS = New Jersey 2021 Non-Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria

NJ-RISRS = New Jersey 2021 Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria

NJ-RIDSRS = New Jersey 2021 Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria

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Table - 4
AOC-2 Non-Berm Soil Analytical Table – RI Additional Characterization Samples
Ridgewood Village Historic Site
460 West Saddle River Road, Village of Ridgewood, New Jersey
23-1429

MATRIXNEWORLD
Engineering Progress

Client Sample ID:	NJ Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non-Residential Ingestion Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non-Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Migration to Groundwater Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	GRID-33		GRID-34		GRID-35		GRID-36	
Lab Sample ID:						JE1536-5		JE1536-6		JE1536-7		JE1536-8	
Date Sampled:						11/26/2024		11/26/2024		11/26/2024		11/26/2024	
Sample Depth (ft, bgs):						1.0 - 1.5		1.0 - 1.5		1.0 - 1.5		1.0 - 1.5	
Saturated (S)/Unsaturated (US):						US		US		US		US	
Matrix:						Soil		11/26/2024		Soil		Soil	
SVOCs													
2-Chlorophenol	390	6500	NC	NC	0.76	0.071	U	0.072	U	0.074	U	0.073	U
1,1'-Biphenyl	87	450	NC	NC	NC	0.071	U	0.0083	J	0.074	U	0.073	U
1,2,4,5-Tetrachlorobenzene	23	390	NC	NC	NC	0.18	U	0.18	U	0.18	U	0.18	U
1,4-Dioxane	7	36	45	210	0.067	0.036	U	0.036	U	0.037	U	0.037	U
2,2'-Oxybis(1-chloropropane)	3100	52000	NC	NC	1.9	0.071	U	0.072	U	0.074	U	0.073	U
2,3,4,6-Tetrachlorophenol	1900	27000	NC	NC	26	0.18	U	0.18	U	0.18	U	0.18	U
2,4,5-Trichlorophenol	6300	91000	NC	NC	68	0.18	U	0.18	U	0.18	U	0.18	U
2,4,6-Trichlorophenol	49	230	NC	NC	0.86	0.18	U	0.18	U	0.18	U	0.18	U
2,4-Dichlorophenol	190	2700	NC	NC	0.19	0.18	U	0.18	U	0.18	U	0.18	U
2,4-Dimethylphenol	1300	18000	NC	NC	2.3	0.18	U	0.18	U	0.18	U	0.18	U
2,4-Dinitrophenol	130	1800	NC	NC	0.33	0.18	U	0.18	U	0.18	U	0.18	U
2,4-Dinitrotoluene	NC	NC	NC	NC	NC	0.036	U	0.036	U	0.037	U	0.037	U
2,6-Dinitrotoluene	NC	NC	NC	NC	NC	0.036	U	0.036	U	0.037	U	0.037	U
2-Chloronaphthalene	4800	67000	NC	NC	NC	0.071	U	0.072	U	0.074	U	0.073	U
2-Methylnaphthalene	240	3300	NC	NC	3.1	0.0125	J	0.0145	J	0.0084	J	0.037	U
2-Methylphenol	320	4600	NC	NC	0.77	0.071	U	0.072	U	0.074	U	0.073	U
2-Nitroaniline	NC	NC	NC	NC	NC	0.18	U	0.18	U	0.18	U	0.18	U
2-Nitrophenol	NC	NC	NC	NC	NC	0.18	U	0.18	U	0.18	U	0.18	U
3&4-Methylphenol	NC	NC	NC	NC	NC	0.071	U	0.072	U	0.074	U	0.073	U
3,3'-Dichlorobenzidine	1.2	5.7	NC	NC	3.9	0.071	U	0.072	U	0.074	U	0.073	U
3-Nitroaniline	NC	NC	NC	NC	NC	0.18	U	0.18	U	0.18	U	0.18	U
4,6-Dinitro-o-cresol	NC	NC	NC	NC	NC	0.18	U	0.18	U	0.18	U	0.18	U
4-Bromophenyl phenyl ether	NC	NC	NC	NC	NC	0.071	U	0.072	U	0.074	U	0.073	U
4-Chloro-3-methyl phenol	NC	NC	NC	NC	NC	0.18	U	0.18	U	0.18	U	0.18	U
4-Chloroaniline	2.7	13	NC	NC	0.23	0.18	U	0.18	U	0.18	U	0.18	U
4-Chlorophenyl phenyl ether	NC	NC	NC	NC	NC	0.071	U	0.072	U	0.074	U	0.073	U
4-Nitroaniline	27	130	NC	NC	NC	0.18	U	0.18	U	0.18	U	0.18	U
4-Nitrophenol	NC	NC	NC	NC	NC	0.36	U	0.36	U	0.37	U	0.37	U
Acenaphthene	3600	50000	NC	NC	NC	0.0394		0.0855		0.0224	J	0.037	U
Acenaphthylene	NC	NC	NC	NC	NC	0.0294	J	0.199		0.0539		0.037	U
Acetophenone	7800	130000	NC	NC	3.6	0.0081	J	0.18	U	0.18	U	0.18	U
Anthracene	18000	250000	NC	NC	NC	0.0961		0.373		0.0824		0.037	U
Atrazine	220	3200	NC	NC	0.33	0.071	U	0.072	U	0.074	U	0.073	U
Benzaldehyde	170	910	NC	NC	NC	0.0089	J	0.18	U	0.18	U	0.18	U
Benzo(a)anthracene	5.1	23	78000	370000	1.85*	0.268		0.977		0.295		0.0585	
Benzo(a)pyrene	0.51	2.3	3500	16000	NC	0.264		**1.06**		0.335		0.0533	
Benzo(b)fluoranthene	5.1	23	78000	370000	NC	0.334		1.29		0.381		0.0812	
Benzo(g,h,i)perylene	NC	NC	NC	NC	NC	0.161		0.53		0.205		0.0372	
Benzo(k)fluoranthene	51	230	780000	NC	NC	0.101		0.38		0.145		0.028	J
bis(2-Chloroethoxy)methane	190	2700	NC	NC	NC	0.071	U	0.072	U	0.074	U	0.073	U
bis(2-Chloroethyl)ether	0.63	3.3	NC	NC	0.33	0.071	U	0.072	U	0.074	U	0.073	U
bis(2-Ethylhexyl)phthalate	39	180	NC	NC	14	0.0139	J	0.072	U	0.074	U	0.0138	J
Butyl benzyl phthalate	290	1300	NC	NC	29	0.0111	J	0.072	U	0.074	U	0.073	U
Caprolactam	32000	460000	290	1300	16	0.071	U	0.072	U	0.074	U	0.073	U
Carbazole	NC	NC	NC	NC	NC	0.0591	J	0.0529	J	0.0233	J	0.0154	J
Chrysene	510	2300	NC	NC	NC	0.258		0.875		0.301		0.0662	
Dibenzo(a,h)anthracene	0.51	2.3	7800	37000	NC	0.0421		0.141		0.0544		0.037	U
Dibenzofuran	NC	NC	NC	NC	NC	0.0175	J	0.0525	J	0.074	U	0.073	U
Diethyl phthalate	51000	730000	NC	NC	44	0.071	U	0.072	U	0.074	U	0.073	U
Dimethyl phthalate	NC	NC	NC	NC	NC	0.071	U	0.072	U	0.074	U	0.073	U
Di-n-butyl phthalate	6300	91000	NC	NC	NC	0.071	U	0.072	U	0.074	U	0.073	U
Di-n-octyl phthalate	630	9100	NC	NC	NC	0.071	U	0.072	U	0.074	U	0.073	U
Fluoranthene	2400	33000	NC	NC	NC	0.553		2.15		0.579		0.0955	
Fluorene	2400	33000	NC	NC	NC	0.0359	J	0.141		0.0224	J	0.037	U
Hexachlorobenzene	0.43	2.3	NC	NC	0.17	0.071	U	0.072	U	0.074	U	0.073	U
Hexachlorobutadiene	8.9	47	NC	NC	0.17	0.036	U	0.036	U	0.037	U	0.037	U
Hexachlorocyclopentadiene	470	7800	2.7	NC	2.5	0.36	U	0.36	U	0.37	U	0.37	U
Hexachloroethane	17	91	NC	NC	0.17	0.18	U	0.18	U	0.18	U	0.18	U
Indeno(1,2,3-cd)pyrene	5.1	23	78000	370000	NC	0.134		0.451		0.166		0.0301	J
Isophorone	570	2700	NC	NC	0.23	0.071	U	0.072	U	0.074	U	0.073	U
Naphthalene	2500	34000	5.7	27	19	0.0303	J	0.0226	J	0.0152	J	0.037	U
Nitrobenzene	160	2600	7.5	36	0.17	0.071	U	0.072	U	0.074	U	0.073	U
N-Nitroso-di-n-propylamine	0.17	0.36	NC	NC	0.17	0.071	U	0.072	U	0.074	U	0.073	U
N-Nitrosodiphenylamine	110	520	NC	NC	1.1	0.18	U	0.18	U	0.18	U	0.18	U
Pentachlorophenol	1	4.4	NC	NC	0.33	0.14	U	0.14	U	0.15	U	0.15	U
Phenanthrene	NC	NC	NC	NC	NC	0.264		0.825		0.232		0.0411	
Phenol	19000	270000	39000	NC	21	0.071	U	0.072	U	0.074	U	0.073	U
Pyrene	1800	25000	NC	NC	NC	0.372		1.49		0.5		0.0741	
Total TIC, Semi-Volatile	NC	NC	NC	NC	NC	4.78	J	7.73	J	2.08	J	10.06	J

Notes:

All analytical results for soil in milligrams per kilogram (mg/kg)

Site Specific Migration to Groundwater Soil Remediation Standard (MGWSRS) was calculated for benzo(a)anthracene using NJDEP's SPLP Spreadsheet, V1.0, May 2021.

ft, bgs= feet below ground surface

All sample depths presented in ft, bgs

[a] More than 40 % RPD for detected concentrations between the two GC columns.

[b] Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only.

[c] Associated CCV outside of control limits high, sample was ND.

[d] Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

[e] Outside of in house control limits.

[f] Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only. More than 40 % RPD for detected concentrations be

[g] Reported from 1st signal. Internal standard outside the limits on the 2nd signal.

[h] Reported from 1st signal. Internal standard outside the limits on the 2nd signal. More than 40 % RPD for detected concentrations between the two GC columns.

B = Indicates analyte found in associated method blank

J = Estimated concentration below laboratory reporting limit

NC = No criteria established for this contaminant

U = Denotes parameters analyzed for but not detected; value shown is the laboratory reporting limit

- = Not Analyzed

SVOCs = Semi-Volatile Organic Compounds

Unsaturated soil samples compared to MGWSRS/AR· Reporting limit exceeds NJDEP's most stringent standard

* = AR-MGWSRS utilized as standard Exceeds the NJDEP MGWSRS/AR-MGWSRS

NJ-MGWSRS = New Jersey 2021 Migration to Groun· Exceeds NJDEP RIDSRS/RISRS

AR-MGWSRS = Alternative Remediation - Migration t· Exceeds NJDEP NRIDSRS/NRISRS

NJ-NRISRS = New Jersey 2021 Non-Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria

NJ-NRIDSRS = New Jersey 2021 Non-Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria

NJ-RISRS = New Jersey 2021 Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria

NJ-RIDSRS = New Jersey 2021 Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria

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Table - 4
AOC-2 Non-Berm Soil Analytical Table – RI Additional Characterization Samples
Ridgewood Village Historic Site
460 West Saddle River Road, Village of Ridgewood, New Jersey
23-1429

Client Sample ID:	NJ Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non-Residential Ingestion Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non-Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Migration to Groundwater Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	GRID-29		GRID-30		GRID-31		GRID-32		GRID-33		GRID-34		GRID-35		GRID-36	
Lab Sample ID:						JE1536-1		JE1536-2		JE1536-3		JE1536-4		JE1536-5		JE1536-6		JE1536-7		JE1536-8	
Date Sampled:						11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/26/2024	
Sample Depth (ft, bgs):						1.0 - 1.5		1.0 - 1.5		1.0 - 1.5		1.0 - 1.5		1.0 - 1.5		1.0 - 1.5		1.0 - 1.5		1.0 - 1.5	
Saturated (S)/Unsaturated (US):						US		US		US		US		US		US		US		US	
Matrix:						Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Pesticides																					
Aldrin	0.041	0.21	NC	NC	0.13	0.00048	U	0.00043	U	0.00049	U	0.0004	U	0.00042	U	0.00043	U	0.00044	U	0.00044	U
alpha-BHC	0.086	0.41	NC	NC	0.0023	0.00048	U	0.00043	U	0.00016	J	0.0004	U	0.00042	U	0.00043	U	0.00044	U	0.00044	U
beta-BHC	0.3	1.4	NC	NC	0.0046	0.00048	U	0.00043	U	0.00049	U	0.0004	U	0.00042	U	0.00043	U	0.00044	U	0.00044	U
delta-BHC	NC	NC	NC	NC	NC	0.00048	U	0.00043	U	0.00049	U	0.0004	U	0.00042	U	0.00043	U	0.00044	U	0.00044	U
gamma-BHC (Lindane)	0.57	2.8	NC	NC	0.0035	0.00048	U	0.00043	U	0.00049	U	0.0004	U	0.00042	U	0.00043	U	0.00044	U	0.00044	U
alpha-Chlordane	0.27	1.4	NC	NC	1.4	0.0014 [a]		0.0011 [a]		0.014 [a]		0.0032 [a]		0.0045		0.0023		0.009 [g]		0.0013 [h]	
gamma-Chlordane	0.27	1.4	NC	NC	1.4	0.0011		0.00053 [a]		0.0083		0.0019		0.0026		0.0017 [a]		0.0051		0.00023 [a]	J
Chlordane (alpha and gamma)	0.27	1.4	NC	NC	1.4	0.0025		0.0016		0.0223		0.0051		0.0071		0.004		0.0141		0.0015	
Dieldrin	0.034	0.16	NC	NC	0.024	0.00059		0.00013 [a]	J	0.0014		0.00059		0.00051 [a]		0.00032 [a]	J	0.0013 [g]		0.00018 [a]	J
4,4'-DDD	2.3	11	NC	NC	0.47	0.00065 [a]		0.0016 [a]		0.00067		0.0033		0.00099 [a]		0.0014 [a]		0.0012 [a]		0.00027 [a]	J
4,4'-DDE	2	11	NC	NC	0.47	0.0014		0.007		0.0038		0.0181		0.0019		0.0022		0.0043 [h]		0.00073	
4,4'-DDT	1.9	9.5	NC	NC	0.67	0.002 [b]		0.00045 [a]		0.0144		0.0018		0.0021 [a]		0.003 [f]		0.0043 [g]		0.00077 [a]	
Endrin	19	270	NC	NC	1.6	0.00048	U	0.00043	U	0.00049	U	0.0004	U	0.00042	U	0.00043	U	0.00044	U	0.00044	U
Endosulfan sulfate	NC	NC	NC	NC	NC	0.00048	U	0.00043	U	0.00049	U	0.0004	U	0.00042	U	0.00043	U	0.00044	U	0.00044	U
Endrin aldehyde	NC	NC	NC	NC	NC	0.00048	U	0.00043	U	0.00049	U	0.0004	U	0.00042	U	0.00043	U	0.00044	U	0.00044	U
Endosulfan-I	470	7800	NC	NC	NC	0.00051		0.00043	U	0.00049	U	0.0004	U	0.00042	U	0.00049		0.00054		0.00044	U
Endosulfan-II	470	7800	NC	NC	NC	0.00048	U	0.00043	U	0.00016 [a]	J	0.0004	U	0.00042	U	0.00043	U	0.00044	U	0.00044	U
Heptachlor	0.15	0.81	NC	NC	0.083	0.00048	U	0.00043	U	0.00037	J	0.0004	U	0.00042	U	0.00043	U	0.00044	U	0.00044	U
Heptachlor epoxide	0.076	0.4	NC	NC	0.081	0.0003	J	0.00043	U	0.0021 [a]		0.00046 [a]		0.00091		0.00048		0.001 [g]		0.00023 [g]	J
Methoxychlor	320	4600	NC	NC	NC	0.00048 [c]	U	0.00043	U	0.00049	U	0.0004	U	0.00042 [c]	U	0.00043 [c]	U	0.00044 [c]	U	0.00044 [c]	U
Endrin ketone	NC	NC	NC	NC	NC	0.00048	U	0.00043	U	0.00049	U	0.0004	U	0.00042	U	0.00043	U	0.00044	U	0.00044	U
Toxaphene	0.49	2.3	NC	NC	6.2	0.0061	U	0.0054	U	0.0061	U	0.0051	U	0.0053	U	0.0054	U	0.0055	U	0.0055	U

Notes:

All analytical results for soil in milligrams per kilogram (mg/kg)

ft, bgs= feet below ground surface

All sample depths presented in ft, bgs

[a] More than 40 % RPD for detected concentrations between the two GC columns.

[b] Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only.

[c] Associated CCV outside of control limits high, sample was ND.

[d] Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

[e] Outside of in house control limits.

[f] Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only. More than 40 % RPD for detected concentrations between the two GC columns.

[g] Reported from 1st signal. Internal standard outside the limits on the 2nd signal.

[h] Reported from 1st signal. Internal standard outside the limits on the 2nd signal. More than 40 % RPD for detected concentrations between the two GC columns.

B = Indicates analyte found in associated method blank

J = Estimated concentration below laboratory reporting limit

NC = No criteria established for this contaminant

U = Denotes parameters analyzed for but not detected; value shown is the laboratory reporting limit

- = Not Analyzed

Unsaturated soil samples compared to NJDEP's May 2021 Default Migration to Groundwater Soil Remediation Standards

NJ-MGWSRS = New Jersey 2021 Migration to Groundwater Exposure Pathway Soil Remediation Standards Criteria

NJ-NRISRS = New Jersey 2021 Non-Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria

NJ-NRIDSRS = New Jersey 2021 Non-Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria

NJ-RISRS = New Jersey 2021 Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria

NJ-RIDSRS = New Jersey 2021 Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria

Bold and italic	Reporting limit exceeds NJDEP's most stringent standard
Bold and italic	Exceeds the NJDEP MGWSRS/AR-MGWSRS
Bold	Exceeds NJDEP RIDSRS/RISRS
Bold and underline	Exceeds NJDEP NRIDSRS/NRISRS

Table - 4
AOC-2 Non-Berm Soil Analytical Table – RI Additional Characterization Samples
Ridgewood Village Historic Site
460 West Saddle River Road, Village of Ridgewood, New Jersey
23-1429

Client Sample ID:	NJ Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non-Residential Ingestion Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non-Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Migration to Groundwater Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	GRID-29		GRID-30		GRID-31		GRID-32		GRID-33		GRID-34		GRID-35		GRID-36	
Lab Sample ID:						JE1536-1		JE1536-2		JE1536-3		JE1536-4		JE1536-5		JE1536-6		JE1536-7		JE1536-8	
Date Sampled:						11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/26/2024	
Sample Depth (ft, bgs):						1.0 - 1.5		1.0 - 1.5		1.0 - 1.5		1.0 - 1.5		1.0 - 1.5		1.0 - 1.5		1.0 - 1.5		1.0 - 1.5	
Saturated (S)/Unsaturated (US):						US		US		US		US		US		US		US		US	
Matrix:						Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Metals																					
Aluminum	78000	NC	NC	NC	NC	5710		5850		6230		6360		9460		6230		7490		11100	
Antimony	31	520	NC	NC	5.4	1.6	U	2.2	U	1.6	U	2.3	U	2.2	U	2.2	U	2.3	U	2.2	U
Arsenic	19	19	1100	5200	19	1.8		2.5		3.2		3.8		5.8		2.5		3.6		6.3	
Barium	16000	260000	870000	NC	2100	19.1		37.9		36.3		36.7		25.3		30.5		34.4		29.9	
Beryllium	160	2600	2000	9300	0.7	0.25		0.32		0.45		0.29		0.39		0.29		0.37		0.4	
Cadmium	71	1100	2600	12000	1.9	0.4	U	0.54	U	0.4	U	0.59	U	0.55	U	0.56	U	0.56	U	0.56	U
Calcium	NC	NC	NC	NC	NC	2160		1590		1480		1370		2770		1440		1560		1260	
Chromium	NC	NC	NC	NC	NC	6.6		8.3		10.8		8.5		10.6		8.4		11.8		11.1	
Cobalt	23	390	520	2500	90	4	U	5.4	U	5.1		5.9	U	5.5	U	5.6	U	5.6	U	5.6	U
Copper	3100	52000	NC	NC	910	9.4		9.4		12.1		9.3		9.7		9.6		12.8		10.9	
Iron	NC	NC	NC	NC	NC	10000		12800		12400		10500		14000		12000		13100		15000	
Lead	400	800	NC	NC	*169	7.6		10.3		41.2		27.7		31.6		21.3		32.1		60.7	
Magnesium	NC	NC	NC	NC	NC	1640		1900		2390		1390		1980		1650		1730		1600	
Manganese	1900	31000	87000	400000	NC	174		345		241		205		400		206		253		237	
Mercury	23	390	520000	NC	*0.29	0.038	U	0.041		0.05		0.23		0.071		0.04		0.12		0.11	
Nickel	1600	26000	20000	93000	48	7		11.1		10.6		7.1		8.9		7.6		9		8.8	
Potassium	NC	NC	NC	NC	NC	790	U	1100	U	790	U	1200	U	1100	U	1100	U	1100	U	1100	U
Selenium	390	6500	NC	NC	11	1.6	U	2.2	U	1.6	U	2.3	U	2.2	U	2.2	U	2.3	U	2.2	U
Silver	390	6500	NC	NC	0.5	0.4	U	0.54	U	0.4	U	0.59	U	0.55	U	0.56	U	0.56	U	0.56	U
Sodium	NC	NC	NC	NC	NC	790	U	1100	U	790	U	1200	U	1100	U	1100	U	1100	U	1100	U
Thallium	NC	NC	NC	NC	NC	0.79	U	1.1	U	0.79	U	1.2	U	1.1	U	1.1	U	1.1	U	1.1	U
Vanadium	390	6500	170000	800000	NC	14		13.9		15.4		13		17.7		15.3		17.6		20.7	
Zinc	23000	390000	NC	NC	930	21.5		27.8		42.2		31.3		29.4		31.4		38.2		37	

Notes:

All analytical results for soil in milligrams per kilogram (mg/kg)

Site Specific Migration to Groundwater Soil Remediation Standard (MGWSRS) was calculated for lead and mercury using NJDEP's SPLP Spreadsheet, V1.0, May 2021.

ft, bgs= feet below ground surface

All sample depths presented in ft, bgs

NC = No criteria established for this contaminant

U = Denotes parameters analyzed for but not detected; value shown is the laboratory reporting limit

- = Not Analyzed

Unsaturated soil samples compared to MGWSRS/AR-MGWSRS

* = AR-MGWSRS utilized as standard

AR-MGWSRS = Alternative Remediation - Migration to Groundwater Soil Remediation Standard

NJ-MGWSRS = New Jersey 2021 Migration to Groundwater Exposure Pathway Soil Remediation Standards Criteria

NJ-NRISRS = New Jersey 2021 Non-Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria

NJ-NRIDSRS = New Jersey 2021 Non-Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria

NJ-RISRS = New Jersey 2021 Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria

NJ-RIDSRS = New Jersey 2021 Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria

Bold and italic	Reporting limit exceeds NJDEP's most stringent standard
Bold and italic	Exceeds the NJDEP MGWSRS/AR-MGWSRS
Bold	Exceeds NJDEP RIDSRS/RISRS
Bold and underline	Exceeds NJDEP NRIDSRS/NRISRS

Table - 4
AOC-2 Non-Berm Soil Analytical Table – RI Additional Characterization Samples
Ridgewood Village Historic Site
460 West Saddle River Road, Village of Ridgewood, New Jersey
23-1429

Client Sample ID:	NJ Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non-Residential Ingestion Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non-Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Migration to Groundwater Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	GRID-29		GRID-30		GRID-31		GRID-32		GRID-33		GRID-34		GRID-35		GRID-36	
Lab Sample ID:						JE1536-1		JE1536-2		JE1536-3		JE1536-4		JE1536-5		JE1536-6		JE1536-7		JE1536-8	
Date Sampled:						11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/26/2024	
Sample Depth (ft, bgs):						1.0 - 1.5		1.0 - 1.5		1.0 - 1.5		1.0 - 1.5		1.0 - 1.5		1.0 - 1.5		1.0 - 1.5		1.0 - 1.5	
Saturated (S)/Unsaturated (US):						US		US		US		US		US		US		US		US	
Matrix:						Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
PCBs																					
Aroclor 1016	0.25	1.1	NC	NC	1.6	0.024	U	0.022	U	0.024	U	0.02	U	0.021	U	0.022	U	0.022	U	0.022	U
Aroclor 1221	0.25	1.1	NC	NC	1.6	0.024	U	0.022	U	0.024	U	0.02	U	0.021	U	0.022	U	0.022	U	0.022	U
Aroclor 1232	0.25	1.1	NC	NC	1.6	0.024	U	0.022	U	0.024	U	0.02	U	0.021	U	0.022	U	0.022	U	0.022	U
Aroclor 1242	0.25	1.1	NC	NC	1.6	0.024	U	0.022	U	0.024	U	0.02	U	0.021	U	0.022	U	0.022	U	0.022	U
Aroclor 1248	0.25	1.1	NC	NC	1.6	0.024	U	0.022	U	0.024	U	0.02	U	0.021	U	0.022	U	0.022	U	0.022	U
Aroclor 1254	0.25	1.1	NC	NC	1.6	0.024	U	0.022	U	0.024	U	0.02	U	0.021	U	0.022	U	0.022	U	0.022	U
Aroclor 1260	0.25	1.1	NC	NC	1.6	0.024	U	0.022	U	0.016	J	0.02	U	0.021	U	0.022	U	0.022	U	0.022	U
Aroclor 1268	0.25	1.1	NC	NC	1.6	0.024	U	0.022	U	0.024	U	0.02	U	0.021	U	0.022	U	0.022	U	0.022	U
Aroclor 1262	0.25	1.1	NC	NC	1.6	0.024	U	0.022	U	0.024	U	0.02	U	0.0059	J	0.022	U	0.0072	J	0.022	U
General Chemistry																					
Cyanide	47	780	NC	NC	20	0.26	U	0.25	U	0.26	U	0.23	U	0.26	U	0.22	U	0.27	U	0.25	U
Solids, Percent	NC	NC	NC	NC	NC	71.4		89.1		88.5		87.6		89.7		88.8		91.2		91.1	

Notes:

All analytical results for soil in milligrams per kilogram (mg/kg)

ft, bgs= feet below ground surface

All sample depths presented in ft, bgs

NC = No criteria established for this contaminant

U = Denotes parameters analyzed for but not detected; value shown is the laboratory reporting limit

- = Not Analyzed

PCBs = Polychlorinated Biphenyls

Unsaturated soil samples compared to NJDEP's May 2021 Default Migration to Groundwater Soil Remediation Standards

NJ-MGWSRS = New Jersey 2021 Migration to Groundwater Exposure Pathway Soil Remediation Standards Criteria

NJ-NRISRS = New Jersey 2021 Non-Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria

NJ-NRIDSRS = New Jersey 2021 Non-Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria

NJ-RISRS = New Jersey 2021 Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria

NJ-RIDSRS = New Jersey 2021 Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria

Bold and italic	Reporting limit exceeds NJDEP's most stringent standard
Bold and italic	Exceeds the NJDEP MGWSRS/AR-MGWSRS
Bold	Exceeds NJDEP RIDSRS/RISRS
Bold and underline	Exceeds NJDEP NRIDSRS/NRISRS

Table - 5
AOC-2 Non-Berm Soil Analytical Table – SI/RI Additional VOC Samples
Ridgewood Village Historic Site
460 West Saddle River Road, Village of Ridgewood, New Jersey
23-1429

MATRIXNEWORLD
Engineering Progress

Client Sample ID:	NJ Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non-Residential Ingestion Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non-Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Migration to Groundwater Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	GRID-1		GRID-2		GRID-5		GRID-6	
Lab Sample ID:						JE1534-1		JE1534-2		JE1534-3		JE1534-4	
Date Sampled:						11/26/2024		11/26/2024		11/26/2024		11/26/2024	
Sample Depth (ft, bgs):						1.0-1.5		1.0-1.5		1.0-1.5		1.0-1.5	
Saturated (S)/Unsaturated (US):						US		US		US		US	
Matrix:						Soil		Soil		Soil		Soil	
VOCs													
Acetone	70000	NC	NC	NC	19	0.011	U	0.011	U	0.011 b	U	0.012 b	U
Benzene	3	16	2.2	11	0.0094	0.00057	U	0.00057	U	0.00053	U	0.00058	U
Bromochloromethane	NC	NC	NC	NC	NC	0.0057	U	0.0057	U	0.0053	U	0.0058	U
Bromodichloromethane	11	59	NC	NC	0.005	0.0023	U	0.0023	U	0.0021	U	0.0023	U
Bromoform	88	460	NC	NC	0.018	0.0057	U	0.0057	U	0.0053	U	0.0058	U
Bromomethane	110	1800	18	82	0.043	0.0057	U	0.0057	U	0.0053	U	0.0058	U
2-Butanone (MEK)	47000	780000	NC	NC	0.98	0.011	U	0.011	U	0.011	U	0.012	U
Carbon disulfide	NC	NC	NC	NC	3.7	0.0023	U	0.0023	U	0.0021	U	0.0023	U
Carbon tetrachloride	7.6	40	1.4	6.9	0.0075	0.0023	U	0.0023	U	0.0021	U	0.0023	U
Chlorobenzene	510	8400	NC	NC	0.64	0.0023	U	0.0023	U	0.0021	U	0.0023	U
Chloroethane	NC	NC	NC	NC	NC	0.0057	U	0.0057	U	0.0053	U	0.0058	U
Chloroform	780	13000	590	NC	0.33	0.0023	U	0.0023	U	0.0021	U	0.0023	U
Chloromethane	NC	NC	270	1200	NC	0.0057	U	0.0057	U	0.0053	U	0.0058	U
Cyclohexane	NC	NC	NC	NC	NC	0.0023	U	0.0023	U	0.0021	U	0.0023	U
1,2-Dibromo-3-chloropropane	0.87	4.5	0.026	0.12	0.005	0.0023	U	0.0023	U	0.0021	U	0.0023	U
Dibromochloromethane	8.3	43	NC	NC	0.005	0.0023	U	0.0023	U	0.0021	U	0.0023	U
1,2-Dibromoethane	0.35	1.8	0.085	0.41	0.005	0.0011	U	0.0011	U	0.0011	U	0.0012	U
1,2-Dichlorobenzene	6700	110000	NC	NC	11	0.0011	U	0.0011	U	0.0011	U	0.0012	U
1,3-Dichlorobenzene	6700	110000	NC	NC	11	0.0011	U	0.0011	U	0.0011	U	0.0012	U
1,4-Dichlorobenzene	780	13000	NC	NC	1.4	0.0011	U	0.0011	U	0.0011	U	0.0012	U
Dichlorodifluoromethane	16000	260000	NC	NC	38	0.0057 b	U	0.0057 b	U	0.0053	U	0.0058	U
1,1-Dichloroethane	120	640	NC	NC	0.24	0.0011	U	0.0011	U	0.0011	U	0.0012	U
1,2-Dichloroethane	5.8	30	71	320	0.0095	0.0011	U	0.0011	U	0.0011	U	0.0012	U
1,1-Dichloroethene	11	180	52	240	0.0069	0.0011	U	0.0011	U	0.0011	U	0.0012	U
cis-1,2-Dichloroethene	780	13000	NC	NC	0.35	0.0011	U	0.0011	U	0.0011	U	0.0012	U
trans-1,2-Dichloroethene	1300	22000	NC	NC	0.56	0.0011	U	0.0011	U	0.0011	U	0.0012	U
1,2-Dichloropropane	19	98	5.7	27	0.0058	0.0023	U	0.0023	U	0.0021	U	0.0023	U
cis-1,3-Dichloropropene	7	36	4.8	23	0.0063	0.0023	U	0.0023	U	0.0021	U	0.0023	U
trans-1,3-Dichloropropene	7	36	4.8	23	0.0063	0.0023	U	0.0023	U	0.0021	U	0.0023	U
Ethylbenzene	7800	130000	10	48	15	0.0011	U	0.0011	U	0.0011	U	0.0012	U
Freon 113	NC	NC	NC	NC	NC	0.0057	U	0.0057	U	0.0053	U	0.0058	U
2-Hexanone	390	6500	1000	NC	0.15	0.0057	U	0.0057	U	0.0053	U	0.0058	U
Isopropylbenzene	7800	130000	NC	NC	22	0.0023	U	0.0023	U	0.0021	U	0.0023	U
Methyl Acetate	78000	NC	NC	NC	22	0.0057	U	0.0057	U	0.0053	U	0.0058	U
Methylcyclohexane	NC	NC	NC	NC	NC	0.0023	U	0.0023	U	0.0021	U	0.0023	U
Methyl Tert Butyl Ether	780	13000	140	650	0.25	0.0011	U	0.0011	U	0.0011	U	0.0012	U
4-Methyl-2-pentanone(MIBK)	NC	NC	NC	NC	NC	0.0057	U	0.0057	U	0.0053	U	0.0058	U
Methylene chloride	50	260	1400	NC	0.013	0.0057	U	0.0057	U	0.0053	U	0.0058	U
Styrene	16000	260000	NC	NC	2.1	0.0023	U	0.0023	U	0.0021	U	0.0023	U
1,1,2,2-Tetrachloroethane	3.5	18	NC	NC	0.0069	0.0023	U	0.0023	U	0.0021	U	0.0023	U
Tetrachloroethene	330	1700	47	NC	0.0086	0.0023	U	0.0023	U	0.0021	U	0.0023	U
Toluene	6300	100000	NC	NC	7.8	0.0011	U	0.0011	U	0.0011	U	0.0012	U
1,2,3-Trichlorobenzene	NC	NC	NC	NC	NC	0.0057	U	0.0057	U	0.0053	U	0.0058	U
1,2,4-Trichlorobenzene	780	13000	94	NC	0.52	0.0057	U	0.0057	U	0.0053	U	0.0058	U
1,1,1-Trichloroethane	160000	NC	NC	NC	0.2	0.0023	U	0.0023	U	0.0021	U	0.0023	U
1,1,2-Trichloroethane	12	64	NC	NC	0.017	0.0023	U	0.0023	U	0.0021	U	0.0023	U
Trichloroethene	15	79	3	14	0.0065	0.0011	U	0.0011	U	0.0011	U	0.0012	U
Trichlorofluoromethane	23000	390000	NC	NC	29	0.0057	U	0.0057	U	0.0053	U	0.0058	U
Vinyl chloride	0.97	5	1.4	6.4	0.0067	0.0023	U	0.0023	U	0.0021	U	0.0023	U
m,p-Xylene	12000	190000	NC	NC	19	0.0011	U	0.0011	U	0.0011	U	0.0012	U
o-Xylene	12000	190000	NC	NC	19	0.0011	U	0.0011	U	0.0011	U	0.0012	U
Xylene (total)	12000	190000	NC	NC	19	0.0011	U	0.0011	U	0.0011	U	0.0012	U
Total TIC, Volatile	NC	NC	NC	NC	NC	0		0		0		0	

Notes:

All analytical results for soil in milligrams per kilogram (mg/kg)

Site Specific Migration to Groundwater Soil Remediation Standard (MGWSRS) was calculated for benzo(a)anthracene using NJDEP's SPLP Spreadsheet, V1.0, May 2021.

ft, bgs= feet below ground surface

All sample depths presented in ft, bgs

[a] Associated CCV outside of control limits high, sample was ND.

[b] Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

B = Indicates analyte found in associated method blank

J = Estimated concentration below laboratory reporting limit

NC = No criteria established for this contaminant

U = Denotes parameters analyzed for but not detected; value shown is the laboratory reporting limit

- = Not Analyzed

SVOCs = Semi-Volatile Organic Compounds

Unsaturated soil samples compared to MGWSRS/AR-MGWSRS

* = AR-MGWSRS utilized as standard

NJ-MGWSRS = New Jersey 2021 Migration to Groundwater Exposure Pathway Soil Remediation Standards Criteria

AR-MGWSRS = Alternative Remediation - Migration to Groundwater Soil Remediation Standard

NJ-NRISRS = New Jersey 2021 Non-Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria

NJ-NRIDSRS = New Jersey 2021 Non-Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria

NJ-RISRS = New Jersey 2021 Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria

NJ-RIDSRS = New Jersey 2021 Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria

Bold and italic	Reporting limit exceeds NJDEP's most stringent standard
Bold and italic	Exceeds the NJDEP MGWSRS/AR-MGWSRS
Bold	Exceeds NJDEP RIDSRS/RISRS
Bold and underline	Exceeds NJDEP NRIDSRS/NRISRS

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Table - 5
AOC-2 Non-Berm Soil Analytical Table – SI/RI Additional VOC Samples
Ridgewood Village Historic Site
460 West Saddle River Road, Village of Ridgewood, New Jersey
23-1429

Client Sample ID:	NJ Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non-Residential Ingestion Dermal Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Non-Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	NJ Migration to Groundwater Exposure Pathway Soil Remediation Standards Criteria (NJAC 7:26D 5/21)	GRID-17		GRID-19		GRID-25	
Lab Sample ID:						JE1534-5		JE1534-6		JE1534-7	
Date Sampled:						11/26/2024		11/26/2024		11/26/2024	
Sample Depth (ft, bgs):						1.0-1.5		1.0-1.5		1.0-1.5	
Saturated (S)/Unsaturated (US):						US		US		US	
Matrix:						Soil		Soil		Soil	
VOCs											
Acetone	70000	NC	NC	NC	19	0.0095 b	U	0.012 b	U	0.022 b	U
Benzene	3	16	2.2	11	0.0094	0.00048	U	0.00061	U	0.0011	U
Bromochloromethane	NC	NC	NC	NC	NC	0.0048	U	0.0061	U	0.011	U
Bromodichloromethane	11	59	NC	NC	0.005	0.0019	U	0.0025	U	0.0044	U
Bromoform	88	460	NC	NC	0.018	0.0048	U	0.0061	U	0.011	U
Bromomethane	110	1800	18	82	0.043	0.0048	U	0.0061	U	0.011	U
2-Butanone (MEK)	47000	780000	NC	NC	0.98	0.0095	U	0.012	U	0.022	U
Carbon disulfide	NC	NC	NC	NC	3.7	0.0019	U	0.0025	U	0.0044	U
Carbon tetrachloride	7.6	40	1.4	6.9	0.0075	0.0019	U	0.0025	U	0.0044	U
Chlorobenzene	510	8400	NC	NC	0.64	0.0019	U	0.0025	U	0.0044	U
Chloroethane	NC	NC	NC	NC	NC	0.0048	U	0.0061	U	0.011	U
Chloroform	780	13000	590	NC	0.33	0.0019	U	0.0025	U	0.0044	U
Chloromethane	NC	NC	270	1200	NC	0.0048	U	0.0061	U	0.011	U
Cyclohexane	NC	NC	NC	NC	NC	0.0019	U	0.0025	U	0.0044	U
1,2-Dibromo-3-chloropropane	0.87	4.5	0.026	0.12	0.005	0.0019	U	0.0025	U	0.0044	U
Dibromochloromethane	8.3	43	NC	NC	0.005	0.0019	U	0.0025	U	0.0044	U
1,2-Dibromoethane	0.35	1.8	0.085	0.41	0.005	0.00095	U	0.0012	U	0.0022	U
1,2-Dichlorobenzene	6700	110000	NC	NC	11	0.00095	U	0.0012	U	0.0022	U
1,3-Dichlorobenzene	6700	110000	NC	NC	11	0.00095	U	0.0012	U	0.0022	U
1,4-Dichlorobenzene	780	13000	NC	NC	1.4	0.00095	U	0.0012	U	0.0022	U
Dichlorodifluoromethane	16000	260000	NC	NC	38	0.0048	U	0.0061	U	0.011	U
1,1-Dichloroethane	120	640	NC	NC	0.24	0.00095	U	0.0012	U	0.0022	U
1,2-Dichloroethane	5.8	30	71	320	0.0095	0.00095	U	0.0012	U	0.0022	U
1,1-Dichloroethene	11	180	52	240	0.0069	0.00095	U	0.0012	U	0.0022	U
cis-1,2-Dichloroethene	780	13000	NC	NC	0.35	0.00095	U	0.0012	U	0.0022	U
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Freon 113	NC	NC	NC	NC	NC	0.0048	U	0.0061	U	0.011	U
2-Hexanone	390	6500	1000	NC	0.15	0.0048	U	0.0061	U	0.011	U
Isopropylbenzene	7800	130000	NC	NC	22	0.0019	U	0.0025	U	0.0044	U
Methyl Acetate	78000	NC	NC	NC	22	0.0048	U	0.0061	U	0.011	U
Methylcyclohexane	NC	NC	NC	NC	NC	0.0019	U	0.0025	U	0.0044	U
Methyl Tert Butyl Ether	780	13000	140	650	0.25	0.00095	U	0.0012	U	0.0022	U
4-Methyl-2-pentanone(MIBK)	NC	NC	NC	NC	NC	0.0048	U	0.0061	U	0.011	U
Methylene chloride	50	260	1400	NC	0.013	0.0048	U	0.0061	U	0.011	U
Styrene	16000	260000	NC	NC	2.1	0.0019	U	0.0025	U	0.0044	U
1,1,2,2-Tetrachloroethane	3.5	18	NC	NC	0.0069	0.0019	U	0.0025	U	0.0044	U
Tetrachloroethene	330	1700	47	NC	0.0086	0.0019	U	0.0025	U	0.0044	U
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1,2,3-Trichlorobenzene	NC	NC	NC	NC	NC	0.0048	U	0.0061	U	0.011	U
1,2,4-Trichlorobenzene	780	13000	94	NC	0.52	0.0048	U	0.0061	U	0.011	U
1,1,1-Trichloroethane	160000	NC	NC	NC	0.2	0.0019	U	0.0025	U	0.0044	U
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m,p-Xylene	12000	190000	NC	NC	19	0.00095	U	0.0012	U	0.0022	U
o-Xylene	12000	190000	NC	NC	19	0.00095	U	0.0012	U	0.0022	U
Xylene (total)	12000	190000	NC	NC	19	0.00095	U	0.0012	U	0.0022	U
Total TIC, Volatile	NC	NC	NC	NC	NC	0		0		0	

Notes:

All analytical results for soil in milligrams per kilogram (mg/kg)

Site Specific Migration to Groundwater Soil Remediation Standard (MGWSRS) was calculated for benzo(a)anthracene using NJDEP's SPLP Spreadsheet, V1.0, May 2021.

ft, bgs= feet below ground surface

All sample depths presented in ft, bgs

[a] Associated CCV outside of control limits high, sample was ND.

[b] Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

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J = Estimated concentration below laboratory reporting limit

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Unsaturated soil samples compared to MGWSRS/AR-MGWSRS

* = AR-MGWSRS utilized as standard

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NJ-NRIDSRS = New Jersey 2021 Non-Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria

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Bold and italic	Reporting limit exceeds NJDEP's most stringent standard
Bold and italic	Exceeds the NJDEP MGWSRS/AR-MGWSRS
Bold	Exceeds NJDEP RIDSRS/RISRS
Bold and underline	Exceeds NJDEP NRIDSRS/NRISRS

APPENDIX A

NJDEP December 11, 2023 Correspondence

State of New Jersey

PHILIP D. MURPHY
Governor

TAHESHA L. WAY
Lt. Governor

DEPARTMENT OF ENVIRONMENTAL PROTECTION
Division of Waste & UST Compliance & Enforcement
Bureau of Solid Waste Compliance & Enforcement
9 Ewing Street
P.O. Box 420, Mail-Code 09-01
Trenton, NJ 08625-0420
Tel.: (609) 292-6305 Fax: (609) 292-4539

SHAWN M. LATOURETTE
Commissioner

Sent via email to:
Keith Kazmark: kkazmark@ridgewoodnj.net
Christopher Rutishauser: crutishauser@ridgewoodnj.net

December 11, 2023

CERTIFIED MAIL – RRR
7022 3330 0001 3350 2709

RE: Ridgewood Village Historic Site at 460 West Saddle River Road
Issues with reported data associated with imported fill
EA ID#: U4347

Gentlemen:

The following evaluation of the analytical data reportedly associated with the soils imported to the referenced site reiterates information from Mr. Chris Rutishauser, Ridgewood Village's Director of Public Works/Village Engineer, followed by a response from NJDEP's Bureau of Solid Waste Compliance & Enforcement (BSWC&E). Further appropriate actions necessary to pursue closure of this solid waste case are also presented.

Ridgewood Explanation for South Broad Street Fill Source:
"I visited this site when the offer of the soil became available. I did not observe an[y] indications of contamination in the soils. The development that generated the material was reviewed by the Village's planning board, for which I am the licensed review engineer. The material required and received a Village of Ridgewood major soil moving permit (planning board approves the permit followed by Village Council approval of the permit). Testing was done on the material in 2018 by Peak Environmental. Peak estimated the quantity of soil at 8,000 cubic yards. Peak collected 14 samples for testing under a reduce[d] sample quantity due to justification. Peak did not note any impacts to the soils sampled. The first three pages of their report submitted explains their protocol and observations. We used this soil as the bulk of the material for the berm construction. The berm was constructed by the Village's Streets Division using several of the Village's rubber tire front end loaders."

BSWC&E Response for Ridgewood Dayton, LLC – 152 South Broad Street fill source:
The estimated 8,000 cubic yard soil source was indicated to be from excavations associated with the demolition of a building at a site that underwent remediation. No description of the remediation nor the potential of environmental impacts from the remediated discharge(s) to have impacted the soils taken to 460 Saddle River Road were discussed, yet the sampling and analyses protocol was reduced by relying on such data to reduce the analytical frequencies per cubic yard as compared to the NJDEP Guidance Document: "Fill Material Guidance for SRP Sites". Based on yet to be explained judgements, the analytical parameters were also further reduced. For example, for a volume of 8,000 cubic yards the aforementioned guidance document suggests that 21 samples be collected and analyzed unless information can be used to reduce such frequency to 14 samples to be analyzed. Yet, the consultant secured analyses from only 4 samples for polychlorinated biphenyls (PCBs, a.k.a. "Aroclors") and only 4 samples for pesticides while providing 14 samples for analyses for EPH, PAHs and Metals. While only 5 samples were analyzed for volatile organic compounds (VOC), field screening using a photoionization detector (PID) revealed no responses and therefore the BSWC&E does not disagree with the limitation of the VOC analyses. However, an explanation regarding the use of the reduced sampling frequencies and further reduction of analytes below those noted in NJDEP guidance has not been provided.

The Conformance/Non-Conformance Summary within the laboratory report submitted to the BSWC&E revealed that, while the instrumentation was operating correctly, sample matrix interference was observed which caused the surrogate recoveries of several of the metals analyzed via method 6010D and several of the semi-volatile organic compounds to produce analytical data which may be biased low.

Ridgewood Explanation for Bergen Community College Site fill source:
"Through a contact, Bergen Community reached out to the Village and inquired if we would like some fill soil. I examined the soils at the college. I did not observe any indication of contamination. On September 27, 2019 ANS Consultants collected 5-point grab samples and subjected them to laboratory analysis. Laboratory results indicated the soils were suitable for the intended use at the Schedler site. The Village received approximately 500 cubic yards of material from the college."

BSWC&E Response for Bergen County Community College fill source:
No discussion on the reason for the excavation at this site was provided. The volume of soil represented by the 5-point composite to one sample is reported at 500 cubic yards. Compositing of such sample, although not preferred, may be acceptable, depending upon the reason for the excavation. The cover letter to the tabulated data indicates that the Department (NJDEP) does not require the Mercury found at 0.615 ppm, which is over the Migration to Ground Water Standard of 0.1 ppm as noted in N.J.A.C. 7:26D, to be addressed unless there is cause to believe that its presence is due to a discharge. However, such policy is applicable only for background conditions or historical fill scenarios where the subject fill is proposed to remain in place and does not address the movement of such fill to another site without a requisite evaluation of the potential impacts of such fill material. That is, the property at 460 Saddle River Road was not undergoing a remediation approved by a Licensed Site Remediation Professional (LSRP) retained pursuant to N.J.A.C. 7:26C at the time the fill was imported. As such, fill was not integrated into a remedial process pursuant to the "Like on Like" – 75 percentile assessment as noted in N.J.A.C. 7:26E-5.2 nor was a site-specific Migration to Ground Water pathway soil remediation standard established pursuant to N.J.A.C. 7:26D. Accordingly, no information has been presented to justify bringing in contaminated fill to a site that may have been uncontaminated prior to the importation of the subject fill materials.

The area(s) at the 460 Saddle River Road site where these soils were distributed are currently unknown to the BSWC&E. Further, there was no laboratory report or Non-Conformance Summary submitted with this data, therefore the integrity of the analytical results cannot be evaluated if limited to the information provided.

Ridgewood Explanation for 533 Wyndmere fill source:
"This location was a residential house that was constructing a large addition and reached out to us to see if we were interested in their surplus material. I examined the soil in the field. It was a fine to medium sand, trace silt and would be excellent grading fill for the Schedler project. The site's soil moving permit indicated approximately 280 cubic yards of cut and 40 cubic yards of fill. ANS Consultants collected one sample and subjected it to laboratory analysis on or about May 19, 2021. The results were acceptable for the intended use of the material."

BSWC&E Response for 533 Wyndmere fill source:
One sample from 320 cubic yards of soil and fill excavated from a residential home was analyzed for Target Analyte List and Target Compound List compounds for which the results did not indicate a concern.

The area(s) at the 460 Saddle River Road site where these soils were distributed are currently unknown to the BSWC&E.

There was no laboratory report or Non-Conformance Summary submitted with this data, therefore the integrity of the analytical results cannot be evaluated if limited to the information provided.

Ridgewood Water DeBoer Avenue and Route 208 Water Main Installation:
"Trench spoil from this project was made available. On August 9, 2021 Aqua Pro-Tech Laboratories tested one grab sample. The soil was found to be acceptable for its intended use. The site provided approximately 200 cubic yards of fill. This is the one location I did not personally observe the material at its generating source."

BSWC&E Response for Ridgewood Water DeBoer Ave and Rt. 208 Water Main Installation:
It appears that one sample from a reported 200 cubic yard source was analyzed for volatile organic compounds, metals, PCBs and pesticides. No Chain of Custody was submitted. It is not known when the date of analysis was. There was no Non-Conformance Summary submitted with this data, therefore the integrity of the analytical results cannot be completely evaluated if limited to the information provided.

However, a concern is noted for sample # 1080405-01 as it displayed a benzo[a]pyrene concentration of at least 0.48 parts per million (ppm) while the Residential Ingestion-Dermal pathway soil remediation standard for this compound is 0.51 ppm. Although the reported result is below the Residential Soil Remediation Standard that triggers the definition of solid waste, because this sample was diluted, presumably to rectify some matrix interference, the result is biased low.

This sample also displayed a mercury concentration of 0.105 ppm. N.J.A.C. 7:26D denotes a Migration to Ground Water pathway standard for Mercury of 0.1 ppm.

This sample also displayed a benzo[a]anthracene concentration of at least 2.60 ppm while N.J.A.C. 7:26D denotes a Migration to Ground Water pathway standard for this compound is 0.71 ppm.

Again, without LSRP interaction pursuant to N.J.A.C. 7:26 C, there was no evaluation of the appropriateness of bringing in contaminated fill to the 460 West Saddle River Road site.

The location(s) where this fill was distributed at 460 West Saddle River Road site has not been disclosed to the BSWC&E.

Ridgewood Explanation for Water Main Replacement Jefferson, William and Salem Streets fill source:
"The source of this material was the spoil from a water main replacement project in the following Village streets: Jefferson Street, William Street, and Salem Street. Work was done by a contractor working for Ridgewood Water Company. I observed the trenching work on several occasions. I did not note any contamination concerns. Three samples were collected, one from each street, and tested by Aqua Pro-tech Laboratories on or about September 22, 2020. Trench was approximately 4,100 linear feet, 2.5-feet wide and 4.5-feet deep for a volume of approximately 1,700 cubic yards of soil."

BSWC&E Response for Jefferson, William and Salem Streets fill source:
There was no Non-Conformance Summary submitted with this data, therefore the integrity of the analytical results cannot be completely evaluated if limited to the information provided.

Ridgewood Explanation for the Ridgewood Water Company Spoil Pile:
"The Village's Water Company had excess soil from their water main break repairs. On January 12, 2021 SGS North America collected three grab soil samples for analysis. This testing was a follow up to testing Eurofins had done on December 22, 2016 of a single grab sample of soil. With the test results being acceptable for use, the Village trucked approximately 300 cubic yards of material from the spoil pile to Schedler. I observed this spoil pile before it was trucked and did not note any indications of contamination."

SWC&E Response for the Ridgewood Water Company Spoil Pile:
The 2016 sample results revealed detection limits that were higher than the remediation standards. For example, the sample analyzed for benzo[a]pyrene was diluted ten-fold yielding a detection limit of 0.94 ppm while the Residential Ingestion-Dermal pathway remediation standard for this compound is 0.51 ppm. Further, the laboratory Case Narrative disclosed surrogate recovery issues with several organic compounds and metals. The follow-up analyses reported for the subject materials revealed that benzo[a]anthracene was detected in sample S-15R at 0.75 ppm which is above the Migration to Ground Water Pathway soil remediation standard for this compound which is 0.71 ppm. Further, benzo[a]pyrene in this sample was reported at a concentration of 0.744 ppm while the Residential Ingestion-Dermal Pathway remediation standard for this compound is 0.51 ppm, thus triggering the definition of solid waste. Sample S-18R revealed similar elevated concentrations of benzo[a]anthracene of 0.873 ppm and 0.852 ppm respectively. BSWC&E's interpretation of the Case Narrative/Conformance Summary did not raise concerns regarding the accuracy of the compounds found at concentrations over the noted remediation standards.

No locations where the subject materials were deposited have been provided. Further, given the exceedance of the remediation standards, no explanation regarding the suitability of the subject material for the 460 West Saddle River Road site was provided.

REQUIRED FURTHER ACTIONS TO DOCUMENT FILL QUALITY:

Berm Along Route 17:

With respect to the soils used to construct the berm, the following actions are necessary to further evaluate the suitability of such materials for the site at 460 Saddle River Road:

1. Provide a detailed explanation describing how the previous analytical data collected for the remediation case that was the source of the fill along with the physical distances or barriers between the contaminated materials and the materials brought to the 460 West Saddle River Road site to justify employing a reduction in the analytical frequencies published in NJDEP guidance.

2. Assuming that, in the opinion of the BSWC&E, such explanation is acceptable, provide a Sampling and Analysis Plan (SAP) that incorporates the following scope of work: collect ten discrete grab (non-composited) samples from the soil berm at equally distributed aerial and vertical locations representing a full cross section of the berm. Using an NJDEP certified laboratory who are also certified by the NJDEP for the test methods employed, analyze each of these samples for those Pesticides and PCBs from the Target Compound List and in accordance with the test methods noted therein as defined in N.J.A.C. 7:26E-1.8. Further, for the data already submitted to the BSWC&E, perform a comprehensive review of the Conformance/Non-Conformance Summary to determine which samples displayed biased low results for metals and semi-volatile organic compounds and add such analytes to similarly equally spaced samples such that there will be at least 14 samples representing Target Analyte List metals and Target Compound List semi-volatile organics, each as defined and in accordance with the analytical procedures noted in N.J.A.C. 7:26E-1.8, for which reliable data is generated. Provide a detailed explanation on this review and analyte selection process. For the purposes of compliance with the solid waste issue, it is not necessary to perform analyses for Tentatively Identified Compounds.

   The SAP shall include a scaled site map noting the proposed sampling locations and analytical parameters. The plan should not be implemented until approved in writing by the BSWC&E.

Other Imported Fill Areas of Deposition:

With respect to the soils/fill deposited in other areas of the property at 460 West Saddle River Road, the BSWC&E has observed that such fill contains materials that, at least from a geotechnical consideration, may not be suitable base material for the artificial turf which the BSWC&E understands is being contemplated for this site. As such, should any of the fill deposited outside of the berm be removed from the property, appropriate characterization of same is needed to ensure that it's use, or disposal is consistent with NJDEP regulations. If any of this fill is contemplated to remain in place, without knowing the locations of the deposition of the various sources of the fill material and because the data for at least some of the fill material is suspect, the aforementioned SAP should be expanded to incorporate sampling of the remaining areas of imported fill deposition. Such expanded plan should incorporate a scaled site map depicting a grid pattern denoting where discrete (non-composited) samples will be collected for analyses for Target Analyte List and Target Compound List analytes as defined and in accordance with the analytical methods noted in N.J.A.C. 7:26E -1.8 (minus volatile organic analyses if appropriate soil gas screening confirms such analyses is not necessary). The expanded SAP should not be implemented until approved in writing by the BSWC&E.

Case Management:

In order to close the solid waste issue associated with the imported fill materials, any such fill that exceeds the Residential Ingestion-Dermal/Inhalation soil remediation standards (without performing data averaging) must be removed. Accordingly, following review of the data to be generated from the SAP, the BSWC&E will advise Ridgewood Village of the scope of work needed to incorporate into a Corrective Action Plan (CAP) designed to address any residual solid waste as determined by both the physical and chemical triggers noted in N.J.A.C. 7:26 -1.6(a)6. The CAP should not be conducted until approved in writing by the SWC&E.

Once the BSWC&E is satisfied that appropriate removal of the fill materials that trigger the definition of solid waste at N.J.A.C. 7:26-1.6(a)6 has been achieved, a letter will be issued noting that the subject solid waste issue has been resolved.

Please note that the BSWC&E does not offer opinions on whether or not a site has been remediated or if a site is suitable to allow leaving fill materials in place that do not trigger the definition of solid waste, but have a contaminant within them at a concentration greater than the respective default Migration to Ground Water soil remediation standard at N.J.A.C. 7:26D. Accordingly, if it is desired to pursue further evaluation of the suitability to leave such soils in place, alternative, site specific Migration to Ground Water pathway standards can be generated as afforded by N.J.A.C. 7:26D if approved by a Licensed Site Remediation Professional (LSRP) retained pursuant to the Administrative Requirements for the Remediation of Contaminated Sites as noted in N.J.A.C. 7:26C. Accordingly, Ridgewood Village may want to consider performing additional testing approved by such LSRP to address such pathway during the mobilization addressing the requisite sampling to further evaluate the solid waste issues.

Enforcement:

Please be advised that Ridgewood Village's documented use of contaminated fill at this site is in violation of the Solid Waste Management Act, particularly N.J.A.C. 7:26-2.8(e). As such, the BSWC&E expects full cooperation from Ridgewood Village at this time to facilitate the BSWC&E's discretionary authority to minimize any enforcement actions/penalty assessments. **As such, please provide the requisite Sampling and Analysis Plan within sixty (60) days upon receipt of this correspondence.**

Attached to this letter please find generic guidance from the BSWC&E addressing our expectations associated with data collection. Should you have any questions, please promptly contact me.

Regards,

Tom Farrell, Chief
Bureau of Solid Waste Compliance & Enforcement

c: Dave Ongaro, BSWC&E
Gina Lugo, BSWC&E
Mike Hastry, DW&USTC&E
Kate Marcopul, DEP – Historic Preservation Office
Keona Miller, DEP – Local Government Affairs

State of New Jersey

PHILIP D. MURPHY
Governor

TAHESHA L. WAY
Lt. Governor

DEPARTMENT OF ENVIRONMENTAL PROTECTION
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SHAWN M. LATOURETTE
Commissioner

DATA REVIEW DOCUMENTATION FORM

 (last updated October 2023)

The following information should accompany analytical data submitted to the Bureau of Solid Waste Compliance and Enforcement (BSWC&E) for a determination that is limited to whether or not the materials represented by such data trigger the definition of solid waste pursuant to N.J.A.C. 7:26 - 1.6(a)6. BSWC&E's acknowledgement of such data shall not be construed to suggest that the New Jersey Department of Environmental Protection considers that the site represented by this data has been fully remediated in whole or in part. As this form is not designed for any one particular site, not all sections may be applicable.

☐ Current Name and Address of site:

_____

_____

☐ Specific Historical uses of property:

_____

_____

☐ Mapped on NJ GeoWeb as located in an area of Historical Fill? _____

☐ Have the subject materials been in contact with any construction and demolition debris or historical discharge of a hazardous substance or historical fill? _____

SAMPLE COLLECTION INFORMATION:

☐ Was the sampling conducted in conformance with the Technical Requirements for Site Remediation at N.J.A.C. 7:26E and the most recent version of the NJDEP Field Sampling Procedures Manual? _____. If no, please explain:

_____

_____.

☐ Was the sampling conducted to address a known volume of materials? _____ If so, what is the total volume of materials addressed by this project? _____ cubic yards.

☐ If the sampling addressed an area wherein the volume of potentially contaminated materials was not known, how many square feet is such Area of Concern? _____ square feet.

☐ **Only for sites where no VOCs are expected:** Were Target Compound List Volatile Organic Compounds (VOCs) eliminated from the analyses based on the response from a photoionization detector (PID)? _____

- If a PID was used, how, when and by whom was it calibrated (please include the type of calibration gas used)?

_____

_____

- What was the eV value of the bulb used in the PID? _____.
- At what units in parts per million (ppm) of response on the PID was the fill considered to not require analysis for VOCs?_____ .

Describe the process used to screen the materials with the PID. If screening was conducted within in situ materials, please include areal frequency in square feet and depths (from surface grade). If screening was conducted within stockpiled materials, please include the distances within the stockpile and frequency of screening per cubic yards.

_____

_____.

☐ If other information was used to eliminate volatile organics from the testing methods of the subject fill besides PID screening, please note same here:

Please complete the following table:

Analytical Group	**Analytical Frequency per cubic yard of stockpiled materials (if applicable)**	**Analytical Frequency per square foot of in situ materials in Area of Concern (if applicable)**	**Reason for Noted Analytical Frequency**
Target Analyte Metals			
Target Compound List Volatile Organic Compounds			
Target Compound List Semi- Volatile Organic Compounds			
Target Compound List Pesticides			
Target Compound List PCBs			

☐ Has a Sample Location Map been provided noting the sample identification numbers in a manner that one who had not seen the site could readily understand where the samples were collected?

☐ If there was any deviation from the Department's most recent version of the Guidance Documents: *Fill Materials Guidance for SRP Sites, October 2021* or *Understanding DEP's Requirements for Soil and Fill Materials*, please provide your justification for same here:

SAMPLE ANALYSIS INFORMATION:

☐ List the name and the New Jersey Laboratory Certification number(s) for the laboratory(ies) used:

_____.

☐ Were there any analyses conducted for which the laboratory did not have a specific New Jersey certification to perform same (note: In addition to the NJ Laboratory Certification, laboratories are required to hold a certification from NJDEP for each analytical method)?
If yes, please specify which test method and affected analytes was/were not certified by NJDEP: _____.

☐ Has the analyses been performed in accordance with N.J.A.C. 7:26E-2 and accompanied by the applicable Reduced Regulatory Deliverables pursuant to Attachment A-II of N.J.A.C. 7:26E? _____.

☐ Does each laboratory report contain a summary of the samples received noting any deficiencies with, at a minimum: temperature of the samples upon receipt, condition of the sample bottles, appropriate Chain of Custody documentation, compliance with sample holding times? If any such deficiencies were noted, please list them here:

_____

_____.

☐ Was a Conformance/Non-Conformance Summary included for each laboratory report? _____

☐ Did the Conformance/Non-Conformance Summary suggest data that could not be relied upon? _____. If yes, please specify which analytes for which samples were not usable:

_____

_____.

☐ Has any data averaging been employed in an Area of Concern to generate the conclusions drawn? _____If so, specify which Area of Concern employed data averaging and include the computations for same in the report of findings.

☐ Has the data been tabulated with comparison to NJDEP Remediation Standards at N.J.A.C. 7:26D? _____

Per my signature below, I certify that the information provided on this form is true and accurate to the best of my knowledge.

Print name of person completing this form: _____;sign:_____;date:_____

State of New Jersey

PHILIP D. MURPHY
Governor

SHEILA Y. OLIVER
Lt. Governor

DEPARTMENT OF ENVIRONMENTAL PROTECTION
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SHAWN M. LATOURRETE
Commissioner

STANDARD SAMPLING and ANALYSES PLAN APPROVAL

Project Name:
NJEMS PI#:
Date of S&AP:

The following document contains standard conditions and limitations that accompany any communication from the Bureau of Solid Waste Compliance and Enforcement (BSWC&E) which indicate approvals of Sampling and Analysis Plans. Unless otherwise appended to or altered by official written correspondence from the BSWC&E, these conditions and limitations shall apply.

1.) This approval is limited to determine whether or not the soil/fill materials being sampled meet the portion of the definition of solid waste that addresses contaminant concentrations as referred to in N.J.A.C. 7:26-1.6(a)6. As such, analytical results from **any one** sample that indicate concentrations of contaminants that are above the Residential Ingestion-Dermal or Residential Inhalation soil remediation standards at N.J.A.C. 7:26 D are indicative of solid waste. While delineation of such contamination is acceptable with a plan approved by BSWC&E, **no compliance averaging** is accepted.

2.) The BSWC&E does not make determinations regarding whether or not soils or materials can be considered as Clean Fill pursuant to N.J.A.C. 7:26E -1.8. As such, upon receipt of acceptable data that indicates contaminant concentrations that are compliant with the definition of solid waste at N.J.A.C. 7:29-1.6(a)6, the BSWC&E will acknowledge same by noting compliance has been achieved with respect to the particular solid waste violation associated with the quality of the soil/fill materials. The BSWC&E does not make determinations regarding whether or not a site has been remediated.

3.) All sampling must be performed in accordance with the latest version of the NJDEP's Field Sampling Procedures Manual and N.J.A.C. 7:26 E – The Technical Requirements for Site Remediation.

4.) All analyses must be performed by a laboratory that has at least the following two certifications:

   a.) Overall Laboratory Certification from the State of New Jersey; and, (b) Certification from the State of New Jersey for the particular test method being employed.

Project Name:
NJEMS PI#:
Date of S&AP:

5). Any proposed analytes shall incorporate the test methods associated with EPA's Contract Laboratory Program (CLP) and shall be those analytes included in the respective Target Analyte List (TAL) or Target Compound List (TCL) of the CLP. For example, any proposal to analyze for "Metals" shall be inclusive of all metals in the TAL. It is not necessary to include Tentatively Identified Compounds (TICs) when analyzing for TCL compounds. BSWC&E does not interpret Extractable Petroleum Hydrocarbon (EPH) data.

6.) The Quality Assurance Plans shall incorporate quality control provisions and report same that are at least as comprehensive as the Reduced Regulatory Deliverables pursuant to Attachment A-II of N.J.A.C. 7:26 E. The locations of the Laboratory Non-Conformance Summary, Sample Receipt Form and Chain of Custody shall be readily identified in the laboratory report.

7.) To expedite the BSWC&E's data review, in addition to the full scale laboratory report, a separate table shall be submitted which compares the data to the Residential Ingestion-Dermal and Residential Inhalation soil remediation standards at N.J.A.C. 7:26D. In order to facilitate the BSWC&E determination on whether or not the site needs to be referred to the Department's Site Remediation Program, the data should also be compared to the default Migration to Ground Water pathway soil remediation standards at N.J.A.C. 7:26D. Any comparison to a site specific Migration to Ground Water pathway soil remediation standard would not be performed by the BSWC&E. Further, if the site is located in a wetlands or other area of ecological significance, the analytical results should also be compared to the Ecological Screening Criteria.

Place an "X" or appropriate number next to the applicable statement(s):

8.) The proposed sampling frequency is: ____ acceptable as proposed; _____ needs to be increased to one sample per ____ cubic yards (for sampling the subject fill) or, one sample per ___ square feet (for post-excavation analyses).

9.) The proposed analytes are: ____ acceptable as proposed; ____ needs to include all of the TAL metals; _____ needs to include all of the TCL semi-volatile organics; ___ needs to include all of the TCL pesticides; ____needs to include all of the TCL PCBs; ___ needs to include all of the TCL VOCs.

10.) The proposed field screening for volatile organic compounds (VOCs): ____ is acceptable as proposed; _____must perform field screening with the stated instrument at intervals of ___ cubic yards or ____ square feet (if post excavation sampling); ____ must provide documentation of proper calibration; ___ if a photoionization detector is to be used, must specify the electron voltage of the bulb used.

Plan Approved By: _____
on _____

APPENDIX B

NJDEP Signed Conditional Sampling Plan Approval June 20, 2024

State of New Jersey

PHILIP D. MURPHY
Governor

TAHESHA L. WAY
Lt. Governor

DEPARTMENT OF ENVIRONMENTAL PROTECTION
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SHAWN M. LATOURETTE
Commissioner

On 6/20/24 Transmitted Via Email to: Keith Kazmark: kkazmark@ridgewoodnj.net
And to Chris Rutishauser at: crutishauser@ridgewoodnj.net
And to Melissa Feury at: mfeury@mnwe.com

RE: Conditional Approval of Grid Sampling Scope of Work dated June 18, 2024 addressing imported fill at 460 West Saddle River Road, Ridgewood Village

Dear Messrs. Kazmark and Rutishauser and Ms. Feury,

The Bureau of Solid Waste Compliance & Enforcement (BSWC&E) has completed reviewing the referenced Scope Work (SOW) and herein approves same in accordance with the following conditions:

1. The BSWC&E's review of the subject SOW is limited to facilitating the determination of compliance with the Solid Waste Management Act (SWMA). Accordingly, should the results of this investigation indicate that the definition of solid waste at N.J.A.C. 7:26-1.6(a)6 has not been chemically triggered, the BSWC&E will acknowledge same. It should be noted, however, that the surficial observations of discarded plastic, steel, asphalt, concrete and other solid wastes observed amongst the trees, particularly concentrated north of the site access driveway, would still need to be addressed. As the BSWC&E understands that such area is proposed to be developed with an artificial turf, it stands to reason that, regardless of the results of this investigation, such solid wastes would need to be removed in order to provide sufficient geotechnical support. Further, all physical solid waste throughout the site will need to be removed. The Department has established a policy that a site should not contain more than 1% by volume of visual solid waste.

2. Although the investigation regarding the presence or absence of solid waste and any corrective actions deemed necessary to address same are under the direct oversight of the BSWC&E, the conditions noted in this letter should not be construed to limit or replace any data collection needs that a Licensed Site Remediation Professional (LSRP) retained for this site pursuant to N.J.A.C. 7:26C may require in order to pursue a Response Action Outcome (RAO). Accordingly, it is up to such LSRP to collect any

additional samples at existing or additional sample locations and/or prescribe additional analytes to generate the data that they believe is necessary to support a conclusion regarding the need for remediation beyond addressing the solid waste.

3. A representative from the BSWC&E will be on-site to observe the sample collection. For the purposes of complying with the SWMA, as long as sampling can be safely conducted, such representative has the authority to direct sample locations within the grid patters established to areas of suspected contamination based upon current conditions observed in the field and/or identification of suspect areas found on aerial photographs. It is up to the Village of Ridgewood to ensure that the locations of all subsurface utilities are appropriately marked to facilitate identification of same.

4. In order to comply with the SWMA, the BSWC&E requires sampling of only the imported fill materials. Accordingly, the BSWC&E considers collection of samples in the native soils as additional data associated with overall site remediation goals. As such, while sampling of the native soils beneath the berm may assist the LSRP in their pursuit of a RAO, such samples would not comport to the sampling frequency specified by the BSWC&E. Therefore, those samples that Matrix has identified as being collected in the native soils beneath the berm, that is, samples GRID-9, GRID-21, GRID-22 and GRID-28, are not counted as requisite grid pattern samples. Accordingly, four additional soil samples should be collected within the imported fill within these grids that is not part of the soil berm.

5. While the SOW states that borings will be advanced up to depths of five feet, in order to address the solid waste concerns, the SWC&E requires at least one sample collected from such borings to be taken within the imported fill materials rather than the native soils. Data generated from any sampling of the native soils would be considered as applicable to the aforementioned LSRP's pursuit of a RAO for this site.

6. The BSWC&E considers the sample to be collected for volatile organic analysis (VOA) in GRID-9 to be associated with the berm sampling and not to replace a necessary grid sample. Further, this follow-up berm sample shall be collected within 12 -18 inches horizontally and at the same depth of the sample that indicated the elevated photoionization detector (PID) reading recorded on May 3, 2024.

7. A separate sample of imported fill not within the berm shall be collected within GRID-9 for Target Analyte List/Target Compound List (TAL/TCL) compounds. While the TCL compounds for this additional sample location may omit VOA analyses per the screening criteria noted in the SOW, at the conclusion of this grid sampling at least one sample shall be analyzed for the VOA portion of the TCL to confirm the accuracy of the PID. Such sample shall be selected by the highest PID reading

observed, or, if no PID readings are observed, via visual or olfactory suggestions or best judgement of a possible discharge of hazardous substances.

8. To minimize the potential for loss of soil gas, the prescribed PID readings shall be collected immediately upon opening the direct push recovery sleeves or soil boring cores.

9. A copy of the PID calibration log shall be provided with the completed Report of Findings.

10. The Report of Findings shall include boring logs which describe the materials encountered, note the PID readings recorded and depth(s) of sample collection.

11. Unless otherwise stated herein, all sampling and analyses shall be conducted in accordance with the NJDEP Field Sampling Procedures Manual and the Technical Requirements for the Site Remediation at N.J.A.C. 7:26E.

12. All laboratory analyses shall be performed by NJDEP Certified Laboratories who also have NJDEP certifications for the test methods to be employed.

13. To augment the laboratory's Non-Conformance Summary, a statement of interpretation of the usability of the data, based on a review of the findings in the Non-Conformance Summary, shall be provided. Please note that the laboratory should denote the specific compounds that may be outside of Quality Control limits.

14. The analytical results of compounds over the soil remediation standards at N.J.A.C. 7:26D shall be plotted on a scaled site map noting the locations of the corresponding samples. To facilitate a referral to the Department's Contaminated Site Remediation & Redevelopment Program, the data should be compared to all remediation standards.

15. A Corrective Action Plan shall be submitted to address the contamination found that triggered the definition of solid waste during the May 3, 2024 sampling event as well as to address all solid waste at this site.

16. As of the writing of this conditional approval letter, the BSWC&E has not received the Report of Findings for the sampling that took place on May 3, 2024. Accordingly, this conditional approval should not be construed to mean that the BSWC&E agrees that this grid sampling will serve to delineate the contamination generated from such sampling event. The BSWC&E presumes that details on how to delineate and remediate the soil berm contamination will be included in the Corrective Action Plan for this site.

17. In order to avoid unnecessary expense, it is recommended that the Village of Ridgewood's consultant discuss corrective action plans with the BSWC&E prior to submitting a plan for same.

Should you have any questions, please contact the undersigned.

Regards,
Tom Farrell, CHMM, Chief,
Bureau of Solid Waste Compliance & Enforcement

C: Dave Ongaro, SWC&E
Gina Lugo, SWC&E

APPENDIX C

Sampling Workplan

GRID REMEDIAL INVESTIGATION SAMPLING WORKPLAN
RIDGEWOOD VILLAGE HISTORIC SITE
460 WEST SADDLE RIVER ROAD
BLOCK 4704, LOT 9, 10, 11, & 12
VILLAGE OF RIDGEWOOD, BERGEN COUNTY, NEW JERSEY

MATRIXNEWORLD

Engineering Progress

Submitted to:
Bureau of Solid Waste Compliance & Enforcement
New Jersey Department of Environmental Protection
9 Ewing Street
P.O. Box 420
Trenton, New Jersey 08625-0420

Submitted for:
Mr. Christopher Rutishauser, P.E., CPWM
Director of Public Works/Village Engineer
Village of Ridgewood
131 North Maple Avenue
Ridgewood, New Jersey 07450

Submitted by:
Matrix New World Engineering, Land Surveying
and Landscape Architecture, P.C.
26 Columbia Turnpike
Florham Park, New Jersey 07932

Matrix No. 23-1429

November 2024

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1	Soil Sample Contaminants of Concern per Location
2	Soil Sample Summary Table – Grid RI Sampling
3	Soil Sample Summary Table – Additional Grid Characterization

LIST OF FIGURES

Figure No.	Title
1	Grid Sample Locations Key Map with Additional Characterization Sample Locations
	Exhibit A - Grid Sampling Delineation Locations
	Exhibit B - Grid Sampling Delineation Locations

1.0 SITE HISTORY

The Site is located at 460 West Saddle River Road in Ridgewood, Bergen County, New Jersey. As part of redevelopment activities, soils were imported to the Site for the creation of a soil berm along the western side of the Site and general site filling. Based on correspondence between the Village of Ridgewood (the Village) and the NJDEP's Bureau of Solid Waste Compliance & Enforcement (BSWC&E) in December 2023, the source and quality (i.e., alternative fill or clean fill) of the material was brought into question.

On May 3, 2024 Matrix performed a soil investigation on the Berm portion of the Site. Several sample locations were identified with concentrations of benzo(a)anthracene, lead, and mercury exceeding the NJDEP's Migration to Groundwater Soil Remediation Standard (MGW-SRS). Additionally, concentrations of benzo(a)pyrene were detected exceeding the NJDEP's Residential Ingestion-Dermal Soil Remediation Standard (RIDSRS) in several samples. Matrix notified the NJDEP via the NJDEP's Spill Hotline on May 28, 2024 regarding the exceeding concentrations. NJDEP assigned Case No. 24-05-28-1117-27 and Program Interest Number 1062723 to the Site. A Synthetic Participation Leaching Procedure (SPLP) was performed for benzo(a)anthracene, lead, and mercury and Site-Specific Migration to Groundwater Alternative Remediation Standards (MGWARS) for each were calculated utilizing the SPLP results. Concentrations of benzo(a)anthracene, lead, and mercury detected in the fill material were below their respective Site-Specific MGWARS.

On June 26 and June 27, 2024 Matrix performed a soil investigation on the balance of the Site. The soil investigation identified the SVOC compound, benzo(a)pyrene exceeding the NJDEP's RIDSRS or NRIDSRS, benzo(a)anthracene and mercury NJDEP's MGWSRS and Site-Specific MGWARS. Based on the results of the sampling completed on the Site on June 26 and 27, 2024, Matrix will conduct further investigation including delineation sampling at the locations of the samples exceeding NJDEP's RIDSRS, NRIDSRS, and Site-Specific MGWARS in an effort to minimize the volume of soil that will need to be removed from the Site to satisfy the NJDEP BSWC&E.

2.0 SAMPLING PLAN

2.1 Scope of Work

The objective of this investigation is to perform delineation sampling of the exceedances identified from the site investigation grid sampling on the balance of the Site. The findings will provide the extents of the hotspots to be excavated and disposed of as part of the remedial action for this Site in addition to the requirements set forth by the NJDEP BSWC&E.

This workplan may be revised in the field in the event that potential areas of environmental concern (i.e., staining, discolored soil or other indicators of potential contamination) are identified during the implementation of field activities.

All work will be conducted in general accordance with the NJDEP Technical Requirements for Site Remediation (TRSR) N.J.A.C. 7:26E, NJDEP Field Sampling Procedures Manual (FSPM) and applicable NJDEP Guidance documents.

2.2 Sample Collection

Prior to conducting the subsurface investigation, the drilling contractor will be responsible for obtaining proper utility mark-outs and required work permits, and active utility clearance prior to drilling. Soil borings will be advanced using Geoprobe® “direct push” technology or via hand tools. Soil samples will be collected via five-foot dedicated acetate sampling cores or via hand tools. All soil samples will be classified based on their color, structure, and particle size, field-screened using a photo-ionization detector (PID), and calibrated using isobutylene span gas with a concentration of 100 parts per million (ppm). Coordinates of each soil boring will be collected by Matrix via a handheld global positioning system (GPS) unit. Matrix will coordinate with the Village to allow access to the soil boring locations.

All soil sample analyses will be conducted by SGS Laboratories (NJDEP No. 12129) of Dayton, New Jersey under chain-of-custody documentation. The analytical data package for all samples will be a NJDEP Reduced Deliverables Package in Data Known Quality Protocol format. Figure 1 depicts the soil boring locations for a total of 89 proposed soil borings within the Site. The locations of the soil borings may be revised while in the field.

2.2.1 Soil Sampling and Analysis – Delineation Borings

The advancement of up to 81 soil borings are proposed throughout the Site for delineation of the sample locations identified with exceedances in accordance with N.J.A.C. 7:26E(4.2). Two rings of horizontal delineation borings will be equally spaced to approximately 7.5 feet in the north, south, east, and west direction; therefore, creating the first ring with a 7.5 foot radius and the second ring with a 15 foot radius from the original sampling location. If fill material where solid waste is visually observed is encountered after measuring 7.5 feet, continue moving outwards until solid waste is not observed. A sample will not be collected within fill material from the first ring where solid waste is visually observed. The objective of moving the first ring beyond 7.5 feet is the ensure the first ring does not encompass solid waste and samples are collected from non-solid waste material, thus properly delineating the extent of solid waste material. The vertical delineation will consist of two sampling intervals: one 6 inches deeper and one 1 foot deeper from the original sampling location. Each delineation boring will be collected and analyzed for the compound of concern that was detected exceeding the NJDEP's SRS. For any delineation sample that displays a visually inconsistent appearance to the fill material that has already been characterized (i.e., a different kind of fill material is identified), the analysis of that sample location will be expanded to analyze the Target Compound List/Target Analyte List (TCL/TAL) plus a forward library search (+30) suite. A table with COCs associated with each original sampling location is included below as Table 1 and a table with the accompanying analysis per delineation sample is attached as Table 2.

Table 1: Soil Sample Contaminants of Concern per Location

Original Sample Location	Analytical Parameters
GRID-4	Benzo(a)pyrene
GRID-10A	Mercury & Benzo(a)pyrene
GRID-11	Benzo(a)pyrene
GRID-16	Benzo(a)pyrene
GRID-18	Benzo(a)pyrene & Benzo(a)anthracene
GRID-20	Benzo(a)pyrene & Benzo(a)anthracene
GRID-21	Benzo(a)pyrene
GRID-26	Benzo(a)pyrene
GRID-28	Benzo(a)pyrene

Note: All locations subject to a TCL/TAL+30 analysis

The advancement of up to 8 borings are proposed to further characterize the grids that were identified with impacted material. The characterization borings will be advanced to a depth within the limits of the imported soils (approximately five feet bgs). If another area within the impacted grid is observed with fill material, the sample location will be biased towards the observed fill. One soil sample from each boring

will be collected and submitted for TCL/TAL plus 30 tentatively identified compounds analyses. A total of eight soil samples, as detailed in Table 3, will be collected from the borings biased towards the discrete 6-inch interval with the greatest potential for contamination based on field observations (i.e., elevated PID readings, staining, odor, evidence of fill materials, etc.). If no PID readings or evidence of VOC impacts are present, VOC analysis does not have to be completed from that sample location. To ensure accurate PID readings, one VOC analysis will be analyzed from one of the sample locations that have been analyzed for TCL/TAL+30 exhibiting the greatest likelihood of contamination. If no evidence of contamination is identified, soil samples will be collected from varying six-inch intervals to ensure imported fill limits are fully represented. A table with sample details is included in below in Table 3.

Table 3: Soil Sample Summary Table – Additional Grid Characterization

Sample ID	Depth	Analytical Parameters
GRID-29	6-inch interval with the greatest potential for contamination	TCL/TAL+30
GRID-30	6-inch interval with the greatest potential for contamination	TCL/TAL+30
GRID-31	6-inch interval with the greatest potential for contamination	TCL/TAL+30
GRID-32	6-inch interval with the greatest potential for contamination	TCL/TAL+30
GRID-33	6-inch interval with the greatest potential for contamination	TCL/TAL+30
GRID-34	6-inch interval with the greatest potential for contamination	TCL/TAL+30
GRID-35	6-inch interval with the greatest potential for contamination	TCL/TAL+30
GRID-36	6-inch interval with the greatest potential for contamination	TCL/TAL+30

NOTES:
TCL/TAL+30 = Target Compound List/Target Analyte List plus tentatively identified compounds

2.2.3 Waste Handling

Upon completion of each soil boring, drill cuttings will be placed back into the bore hole to the surface and the surface restored to match the surrounding ground material.

2.4 Reporting

Upon the completion of all soil investigation field activities and receipt of all analytical data, a Remedial Investigation Report (RIR) will be prepared and will include:

- Sample location plan
- Summary of sampling events activities
- Summary of laboratory reported analytical results compared to applicable criteria and standards.

- Soil boring logs
- Laboratory analytical package
- Discussion of any remedial needs

The laboratory reported soil sample analytical results will be compared to NJDEP's Soil Remediation Standards, promulgated at N.J.A.C. 7:26D.

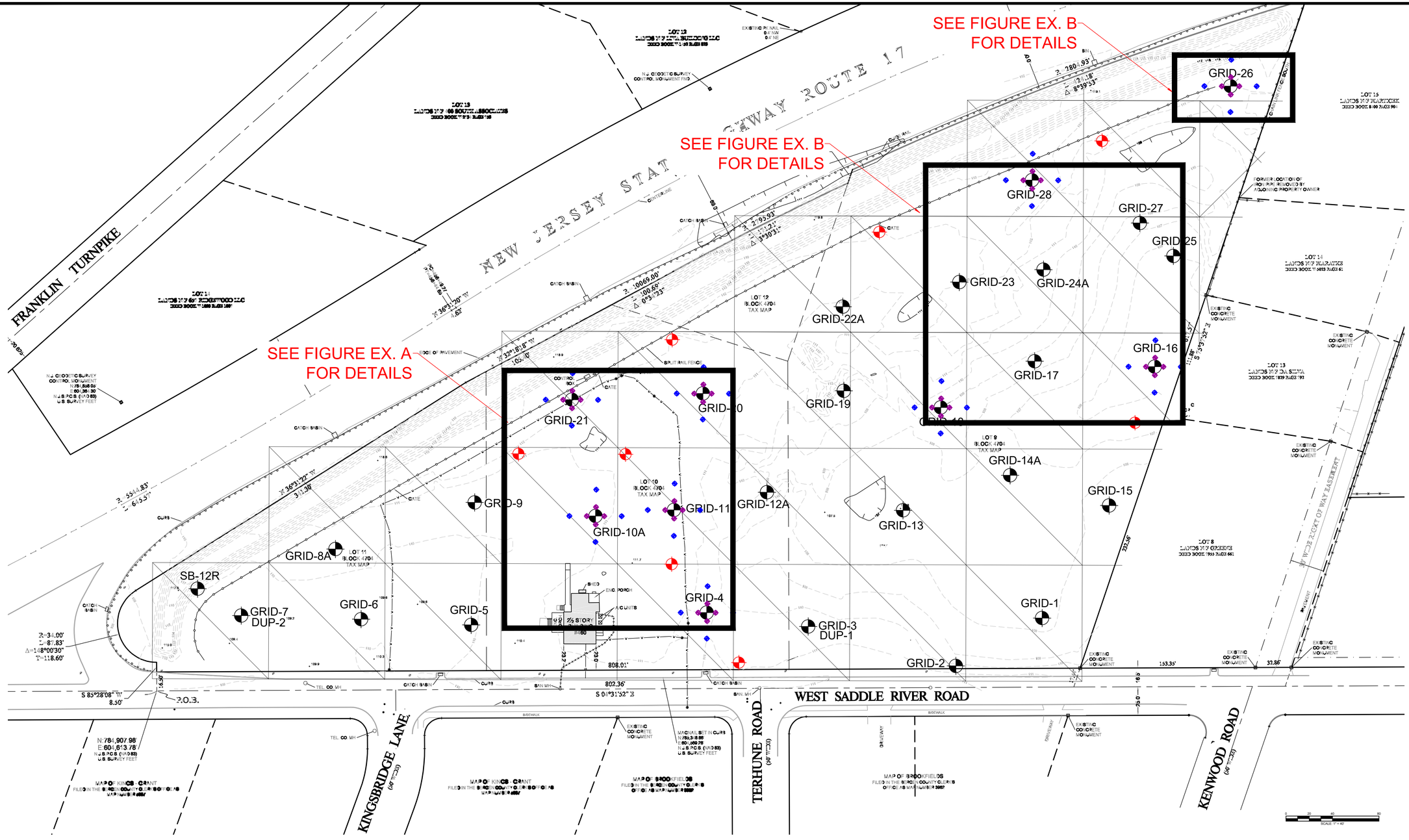
TABLES

Table 2
Sampling Summary Table
Grid Remedial Investigation
460 West Saddle River Road, Bergen County, New Jersey

LOCATION	COORDINATES	SAMPLE DEPTH	ANALYTICAL PARAMETERS	TURN AROUND TIME	SAMPLING METHOD	Purpose
GRID RI SOIL SAMPLING						
GRID-4 (1.5-2.0)	X: 604501.03 Y: 785385.52	2.0-2.5 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Standard		Vertical Delineation
GRID-4 (2.0-2.5)		2.5-3.0 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Extract & HOLD		Vertical Delineation
GRID-4-N1		2.0-2.5 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Standard		North horizontal step out (1)
GRID-4-N2		2.0-2.5 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Extract & HOLD		North horizontal step out (2)
GRID-4-S1		2.0-2.5 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Standard		South horizontal step out (1)
GRID-4-S2		2.0-2.5 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Extract & HOLD		South horizontal step out (2)
GRID-4-E1		2.0-2.5 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Standard		East horizontal step out (1)
GRID-4-E2		2.0-2.5 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Extract & HOLD		East horizontal step out (2)
GRID-4-W1		2.0-2.5 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Standard		West horizontal step out (1)
GRID-4-W2		2.0-2.5 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Extract & HOLD		West horizontal step out (2)
GRID-10A (1.5-2.0)	X: 604425.94 Y: 785283.42	2.0-2.5 ft, bgs	Mercury & Benzo(a)pyrene or TCL/TAL+30	Standard		Vertical Delineation
GRID-10A (2.0-2.5)		2.5-3.0 ft, bgs	Mercury & Benzo(a)pyrene or TCL/TAL+30	Extract & HOLD		Vertical Delineation
GRID-10A-N1		2.0-2.5 ft, bgs	Mercury & Benzo(a)pyrene or TCL/TAL+30	Standard		North horizontal step out (1)
GRID-10A-N2		2.0-2.5 ft, bgs	Mercury & Benzo(a)pyrene or TCL/TAL+30	Extract & HOLD		North horizontal step out (2)
GRID-10A-S1		2.0-2.5 ft, bgs	Mercury & Benzo(a)pyrene or TCL/TAL+30	Standard		South horizontal step out (1)
GRID-10A-S2		2.0-2.5 ft, bgs	Mercury & Benzo(a)pyrene or TCL/TAL+30	Extract & HOLD		South horizontal step out (2)
GRID-10A-E1		2.0-2.5 ft, bgs	Mercury & Benzo(a)pyrene or TCL/TAL+30	Standard		East horizontal step out (1)
GRID-10A-E2		2.0-2.5 ft, bgs	Mercury & Benzo(a)pyrene or TCL/TAL+30	Extract & HOLD		East horizontal step out (2)
GRID-10A-W1		2.0-2.5 ft, bgs	Mercury & Benzo(a)pyrene or TCL/TAL+30	Standard		West horizontal step out (1)
GRID-10A-W2		2.0-2.5 ft, bgs	Mercury & Benzo(a)pyrene or TCL/TAL+30	Extract & HOLD		West horizontal step out (2)
GRID-11 (1.5-2.0)	X: 604415.28 Y: 785350.25	2.0-2.5 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Standard		Vertical Delineation
GRID-11 (2.0-2.5)		2.5-3.0 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Extract & HOLD		Vertical Delineation
GRID-11-N1		2.0-2.5 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Standard		North horizontal step out (1)
GRID-11-N2		2.0-2.5 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Extract & HOLD		North horizontal step out (2)
GRID-11-S1		2.0-2.5 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Standard		South horizontal step out (1)
GRID-11-S2		2.0-2.5 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Extract & HOLD		South horizontal step out (2)
GRID-11-E1		2.0-2.5 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Standard		East horizontal step out (1)
GRID-11-E2		2.0-2.5 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Extract & HOLD		East horizontal step out (2)
GRID-11-W1		2.0-2.5 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Standard		West horizontal step out (1)
GRID-11-W2		2.0-2.5 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Extract & HOLD		West horizontal step out (2)
GRID-16 (1.5-2.0)	X: 604258.8 Y: 785752.55	2.0-2.5 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Standard		Vertical Delineation
GRID-16 (2.0-2.5)		2.5-3.0 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Extract & HOLD		Vertical Delineation
GRID-16-N1		2.0-2.5 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Standard		North horizontal step out (1)
GRID-16-N2		2.0-2.5 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Extract & HOLD		North horizontal step out (2)
GRID-16-S1		2.0-2.5 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Standard		South horizontal step out (1)
GRID-16-S2		2.0-2.5 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Extract & HOLD		South horizontal step out (2)
GRID-16-E1		2.0-2.5 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Standard		East horizontal step out (1)
GRID-16-E2		2.0-2.5 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Extract & HOLD		East horizontal step out (2)
GRID-16-W1		2.0-2.5 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Standard		West horizontal step out (1)
GRID-16-W2		2.0-2.5 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Extract & HOLD		West horizontal step out (2)
GRID-18 (1.5-2.0)	X: 604308.71 Y: 785571.9	2.0-2.5 ft, bgs	Benzo(a)pyrene & Benzo(a)anthracene or TCL/TAL+30	Standard		Vertical Delineation
GRID-18 (2.0-2.5)		2.5-3.0 ft, bgs	Benzo(a)pyrene & Benzo(a)anthracene or TCL/TAL+30	Extract & HOLD		Vertical Delineation
GRID-18-N1		2.0-2.5 ft, bgs	Benzo(a)pyrene & Benzo(a)anthracene or TCL/TAL+30	Standard		North horizontal step out (1)
GRID-18-N2		2.0-2.5 ft, bgs	Benzo(a)pyrene & Benzo(a)anthracene or TCL/TAL+30	Extract & HOLD		North horizontal step out (2)
GRID-18-S1		2.0-2.5 ft, bgs	Benzo(a)pyrene & Benzo(a)anthracene or TCL/TAL+30	Standard		South horizontal step out (1)
GRID-18-S2		2.0-2.5 ft, bgs	Benzo(a)pyrene & Benzo(a)anthracene or TCL/TAL+30	Extract & HOLD		South horizontal step out (2)
GRID-18-E1		2.0-2.5 ft, bgs	Benzo(a)pyrene & Benzo(a)anthracene or TCL/TAL+30	Standard	Scoopula	East horizontal step out (1)
GRID-18-E2		2.0-2.5 ft, bgs	Benzo(a)pyrene & Benzo(a)anthracene or TCL/TAL+30	Extract & HOLD		East horizontal step out (2)
GRID-18-W1		2.0-2.5 ft, bgs	Benzo(a)pyrene & Benzo(a)anthracene or TCL/TAL+30	Standard		West horizontal step out (1)
GRID-18-W2		2.0-2.5 ft, bgs	Benzo(a)pyrene & Benzo(a)anthracene or TCL/TAL+30	Extract & HOLD		West horizontal step out (2)
GRID-20 (1.5-2.0)	X: 604313.37 Y: 785366.97	2.0-2.5 ft, bgs	Benzo(a)pyrene & Benzo(a)anthracene or TCL/TAL+30	Standard		Vertical Delineation
GRID-20 (2.0-2.5)		2.5-3.0 ft, bgs	Benzo(a)pyrene & Benzo(a)anthracene or TCL/TAL+30	Extract & HOLD		Vertical Delineation
GRID-20-N1		2.0-2.5 ft, bgs	Benzo(a)pyrene & Benzo(a)anthracene or TCL/TAL+30	Standard		North horizontal step out (1)
GRID-20-N2		2.0-2.5 ft, bgs	Benzo(a)pyrene & Benzo(a)anthracene or TCL/TAL+30	Extract & HOLD		North horizontal step out (2)
GRID-20-S1		2.0-2.5 ft, bgs	Benzo(a)pyrene & Benzo(a)anthracene or TCL/TAL+30	Standard		South horizontal step out (1)
GRID-20-S2		2.0-2.5 ft, bgs	Benzo(a)pyrene & Benzo(a)anthracene or TCL/TAL+30	Extract & HOLD		South horizontal step out (2)
GRID-20-E1		2.0-2.5 ft, bgs	Benzo(a)pyrene & Benzo(a)anthracene or TCL/TAL+30	Standard		East horizontal step out (1)
GRID-20-E2		2.0-2.5 ft, bgs	Benzo(a)pyrene & Benzo(a)anthracene or TCL/TAL+30	Extract & HOLD		East horizontal step out (2)
GRID-20-W1		2.0-2.5 ft, bgs	Benzo(a)pyrene & Benzo(a)anthracene or TCL/TAL+30	Standard		West horizontal step out (1)
GRID-20-W2		2.0-2.5 ft, bgs	Benzo(a)pyrene & Benzo(a)anthracene or TCL/TAL+30	Extract & HOLD		West horizontal step out (2)
GRID-21 (1.5-2.0)	X: 604327.82 Y: 785255.02	2.0-2.5 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Standard		Vertical Delineation
GRID-21 (2.0-2.5)		2.5-3.0 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Extract & HOLD		Vertical Delineation
GRID-21-N1		2.0-2.5 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Standard		North horizontal step out (1)
GRID-21-N2		2.0-2.5 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Extract & HOLD		North horizontal step out (2)
GRID-21-S1		2.0-2.5 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Standard		South horizontal step out (1)
GRID-21-S2		2.0-2.5 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Extract & HOLD		South horizontal step out (2)
GRID-21-E1		2.0-2.5 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Standard		East horizontal step out (1)
GRID-21-E2		2.0-2.5 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Extract & HOLD		East horizontal step out (2)
GRID-21-W1		2.0-2.5 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Standard		West horizontal step out (1)
GRID-21-W2		2.0-2.5 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Extract & HOLD		West horizontal step out (2)
GRID-26 (1.5-2.0)	X: 604012.85 Y: 785798.02	2.0-2.5 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Standard		Vertical Delineation
GRID-26 (2.0-2.5)		2.5-3.0 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Extract & HOLD		Vertical Delineation
GRID-26-N1		2.0-2.5 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Standard		North horizontal step out (1)
GRID-26-N2		2.0-2.5 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Extract & HOLD		North horizontal step out (2)
GRID-26-S1		2.0-2.5 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Standard		South horizontal step out (1)
GRID-26-S2		2.0-2.5 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Extract & HOLD		South horizontal step out (2)
GRID-26-E1		2.0-2.5 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Standard		East horizontal step out (1)
GRID-26-E2		2.0-2.5 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Extract & HOLD		East horizontal step out (2)
GRID-26-W1		2.0-2.5 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Standard		West horizontal step out (1)
GRID-26-W2		2.0-2.5 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Extract & HOLD		West horizontal step out (2)
GRID-28 (1.5-2.0)	X: 604107.37 Y: 785634.33	2.0-2.5 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Standard		Vertical Delineation
GRID-28 (2.0-2.5)		2.5-3.0 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Extract & HOLD		Vertical Delineation
GRID-28-N1		2.0-2.5 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Standard		North horizontal step out (1)
GRID-28-N2		2.0-2.5 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Extract & HOLD		North horizontal step out (2)
GRID-28-S1		2.0-2.5 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Standard		South horizontal step out (1)
GRID-28-S2		2.0-2.5 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Extract & HOLD		South horizontal step out (2)
GRID-28-E1		2.0-2.5 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Standard		East horizontal step out (1)
GRID-28-E2		2.0-2.5 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Extract & HOLD		East horizontal step out (2)
GRID-28-W1		2.0-2.5 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Standard		West horizontal step out (1)
GRID-28-W2		2.0-2.5 ft, bgs	Benzo(a)pyrene or TCL/TAL+30	Extract & HOLD		West horizontal step out (2)

Notes:
ft, bgs = Feet, Below Ground Surface

FIGURES



LEGEND

GRID-XX	GRID SOIL SAMPLE LOCATION
	7.5' DELINEATION GRID SOIL SAMPLE LOCATION
	ADDITIONAL 15' DELINEATION GRID SOIL SAMPLE LOCATION
	ADDITIONAL CHARACTERIZATION SAMPLE LOCATION
	AREA OF DELINEATION - SEE NOTE

DESIGNED BY:	REVIEWED BY:	RELEASED BY:
MED	KP	MF

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NEW JERSEY CERTIFICATE OF AUTHORIZATION No. 24GA27982300

GRID SAMPLE LOCATIONS KEY MAP WITH ADDITIONAL CHARACTERIZATION SAMPLE LOCATIONS

VILLAGE OF RIDGEWOOD
BLOCK 4704, LOTS 9, 10, 11 & 12
WEST SADDLE RIVER ROAD
VILLAGE OF RIDGEWOOD
BERGEN COUNTY, NEW JERSEY

PROJECT NUMBER: 23-1429

SCALE: AS SHOWN

DATE: 10/25/2024

1

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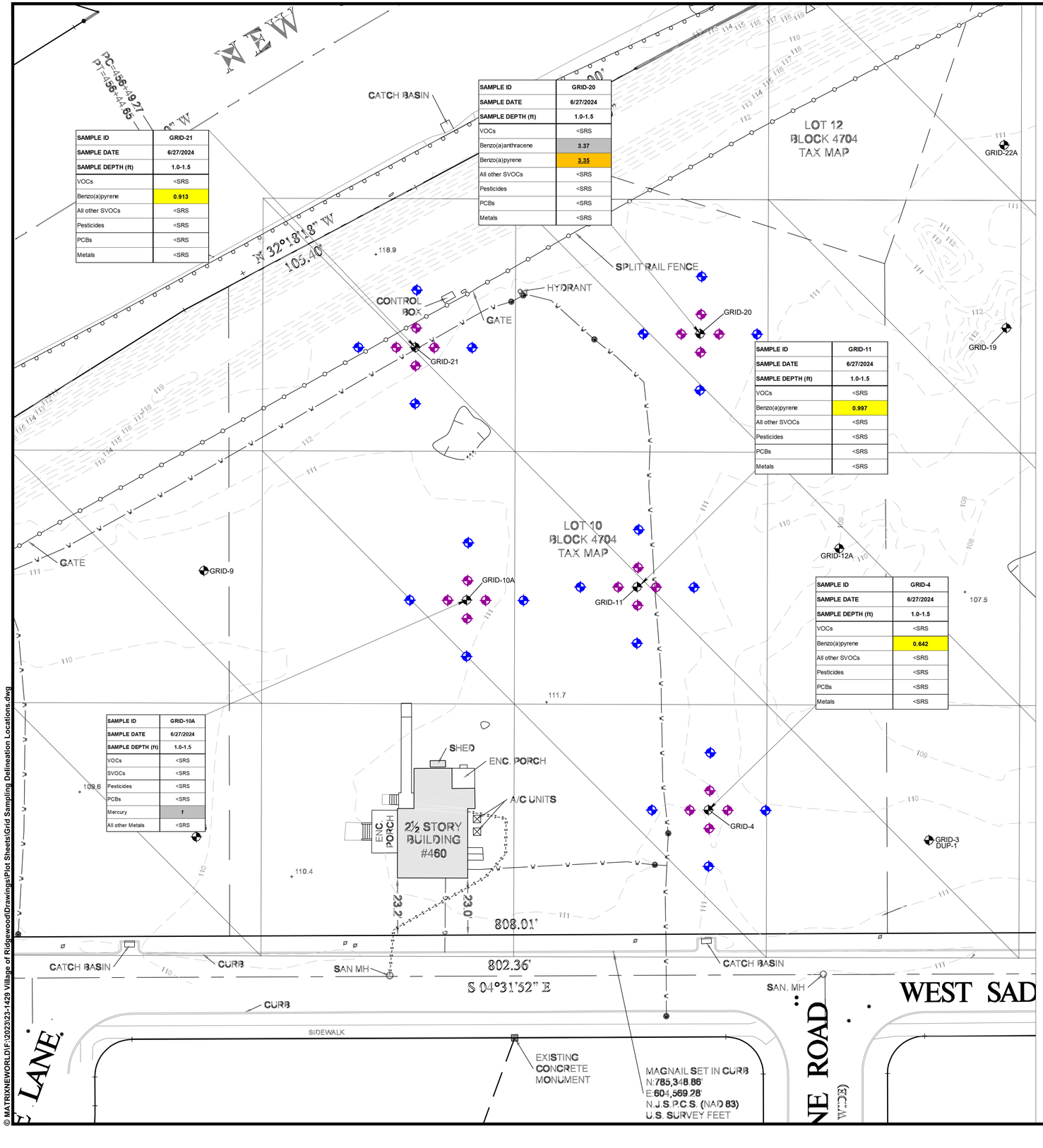

SAMPLE ID	GRID-21
SAMPLE DATE	6/27/2024
SAMPLE DEPTH (ft)	1.0-1.5
VOCs	<SRS
Benzo(a)pyrene	0.913
All other SVOCs	<SRS
Pesticides	<SRS
PCBs	<SRS
Metals	<SRS

SAMPLE ID	GRID-20
SAMPLE DATE	6/27/2024
SAMPLE DEPTH (ft)	1.0-1.5
VOCs	<SRS
Benzo(a)anthracene	3.37
Benzo(a)pyrene	3.35
All other SVOCs	<SRS
Pesticides	<SRS
PCBs	<SRS
Metals	<SRS

SAMPLE ID	GRID-11
SAMPLE DATE	6/27/2024
SAMPLE DEPTH (ft)	1.0-1.5
VOCs	<SRS
Benzo(a)pyrene	0.997
All other SVOCs	<SRS
Pesticides	<SRS
PCBs	<SRS
Metals	<SRS

SAMPLE ID	GRID-4
SAMPLE DATE	6/27/2024
SAMPLE DEPTH (ft)	1.0-1.5
VOCs	<SRS
Benzo(a)pyrene	0.642
All other SVOCs	<SRS
Pesticides	<SRS
PCBs	<SRS
Metals	<SRS

SAMPLE ID	GRID-10A
SAMPLE DATE	6/27/2024
SAMPLE DEPTH (ft)	1.0-1.5
VOCs	<SRS
SVOCs	<SRS
Pesticides	<SRS
PCBs	<SRS
Mercury	1
All other Metals	<SRS

LEGEND

GRID-XX — GRID SOIL SAMPLE LOCATION

7.5' DELINEATION GRID SOIL SAMPLE LOCATION

ADDITIONAL 15' DELINEATION GRID SOIL SAMPLE LOCATION

Bold and italic — EXCEEDS NJDEP MGWSRS/AR-MGWSRS

Bold — EXCEEDS NJDEP RIDSRS/RISRS

Bold and underlined — EXCEEDS NJDEP NRIDSRS/NRISRS

SVOCs	SEMI-VOLATILE ORGANIC COMPOUNDS
PCBs	POLYCHLORINATED BIPHENYLS
NC	NO CRITERIA ESTABLISHED FOR THIS CONTAMINANT
SRS	SOIL REMEDIATION STANDARDS CRITERIA
NJDEP	NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
MGWSRS	MIGRATION TO GROUNDWATER EXPOSURE PATHWAY SOIL REMEDIATION STANDARDS
RIDSRS	RESIDENTIAL INGESTION-DERMAL EXPOSURE PATHWAY SOIL REMEDIATION STANDARDS
RISRS	RESIDENTIAL INHALATION EXPOSURE PATHWAY SOIL REMEDIATION STANDARDS
NRIDSRS	NON-RESIDENTIAL INGESTION-DERMAL EXPOSURE PATHWAY SOIL REMEDIATION STANDARDS
AR-MGWSRS	ALTERNATIVE REMEDIATION - MIGRATION TO GROUNDWATER SOIL REMEDIATION STANDARD
*	AR-MGWSRS UTILIZED AS STANDARD

ALL ANALYTICAL RESULTS FOR SOIL IN MILLIGRAMS PER KILOGRAM (mg/kg)

ALL SAMPLE DEPTHS PRESENTED IN ft, bgs (FEET BELOW GROUND SURFACE)

SITE SPECIFIC MIGRATION TO GROUNDWATER SOIL REMEDIATION STANDARD (MGWSRS) WAS CALCULATED FOR BENZO(A)ANTHRACENE' LEAD, AND MERCURY USING NJDEP'S SPLP SPREADSHEET, V1.0, MAY 2021.

UNSATURATED SOIL SAMPLES COMPARED TO MGWSRS/AR-MGWSRS

0 10 20 40
SCALE: 1" = 20'

DESIGNED BY: MED | REVIEWED BY: KP | RELEASED BY: MF

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NEW JERSEY CERTIFICATE OF AUTHORIZATION No. 24GA27982300

GRID SAMPLE LOCATIONS WTIH ADDITIONALCHARACTERIZATION SAMPLE LOCATIONS

VILLAGE OF RIDGEWOOD
BLOCK 4704, LOTS 9, 10, 11 & 12
WEST SADDLE RIVER ROAD
VILLAGE OF RIDGEWOOD
BERGEN COUNTY, NEW JERSEY

PROJECT NUMBER: 23-1429

SCALE: AS SHOWN

DATE: 8/16/2024

A

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SAMPLE ID	GRID-28
SAMPLE DATE	6/26/2024
SAMPLE DEPTH (ft)	1.0-1.5
VOCs	<SRS
Benzo(a)pyrene	**0.898**
All other SVOCs	<SRS
Pesticides	<SRS
PCBs	<SRS
Metals	<SRS

SAMPLE ID	GRID-26
SAMPLE DATE	6/26/2024
SAMPLE DEPTH (ft)	1.0-1.5
VOCs	<SRS
Benzo(a)pyrene	**0.799**
All other SVOCs	<SRS
Pesticides	<SRS
PCBs	<SRS
Metals	<SRS

SAMPLE ID	GRID-16
SAMPLE DATE	6/26/2024
SAMPLE DEPTH (ft)	1.0-1.5
VOCs	<SRS
Benzo(a)pyrene	**0.81**
All other SVOCs	<SRS
Pesticides	<SRS
PCBs	<SRS
Metals	<SRS

SAMPLE ID	GRID-18
SAMPLE DATE	6/26/2024
SAMPLE DEPTH (ft)	1.0-1.5
VOCs	<SRS
Benzo(a)anthracene	**2.37**
Benzo(a)pyrene	**2.41**
All other SVOCs	<SRS
Pesticides	<SRS
PCBs	<SRS
Metals	<SRS

ROUTE 17
CATCH BASIN
GUIDE RAIL
GATE
CHAIN LINK FENCE SOUTH
FORMER LOCATIC
IRON PIPE REMOV
ADJOINING PROP
EXISTING CONCRETE MONUMENT
LOT 13
LANDS N/F DA S
DEED BOOK 7829 PA
LOT 9
BLOCK 4704
TAX MAP
LOT 8
LANDS N/F GREENE
GRID-28
GRID-26
GRID-27
GRID-25
GRID-24A
GRID-23
GRID-22A
GRID-19
GRID-18
GRID-17
GRID-16
GRID-15
GRID-14A
GRID-13
S 75°37'52" E 617.57'
S 75°37'52" E 111.88'
S 75°37'52" E 232.56'
N 42°18'
Δ=8°39'53"
SCALE: 1" = 20'

LEGEND

GRID-XX — GRID SOIL SAMPLE LOCATION

7.5' DELINEATION GRID SOIL SAMPLE LOCATION

ADDITIONAL 15' DELINEATION GRID SOIL SAMPLE LOCATION

Bold and italic — EXCEEDS NJDEP MGWSRS/AR-MGWSRS

Bold — EXCEEDS NJDEP RIDSRS/RISRS

Bold and underlined — EXCEEDS NJDEP NRIDSRS/NRISRS

SVOCs	SEMI-VOLATILE ORGANIC COMPOUNDS
PCBs	POLYCHLORINATED BIPHENYLS
NC	NO CRITERIA ESTABLISHED FOR THIS CONTAMINANT
SRS	SOIL REMEDIATION STANDARDS CRITERIA
NJDEP	NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
MGWSRS	MIGRATION TO GROUNDWATER EXPOSURE PATHWAY SOIL REMEDIATION STANDARDS
RIDSRS	RESIDENTIAL INGESTION-DERMAL EXPOSURE PATHWAY SOIL REMEDIATION STANDARDS
RISRS	RESIDENTIAL INHALATION EXPOSURE PATHWAY SOIL REMEDIATION STANDARDS
NRIDSRS	NON-RESIDENTIAL INGESTION-DERMAL EXPOSURE PATHWAY SOIL REMEDIATION STANDARDS
AR-MGWSRS	ALTERNATIVE REMEDIATION - MIGRATION TO GROUNDWATER SOIL REMEDIATION STANDARD
*	AR-MGWSRS UTILIZED AS STANDARD

ALL ANALYTICAL RESULTS FOR SOIL IN MILLIGRAMS PER KILOGRAM (mg/kg)

ALL SAMPLE DEPTHS PRESENTED IN ft, bgs (FEET BELOW GROUND SURFACE)

SITE SPECIFIC MIGRATION TO GROUNDWATER SOIL REMEDIATION STANDARD (MGWSRS) WAS CALCULATED FOR BENZO(A)ANTHRACENE' LEAD, AND MERCURY USING NJDEP'S SPLP SPREADSHEET, V1.0, MAY 2021.

UNSATURATED SOIL SAMPLES COMPARED TO MGWSRS/AR-MGWSRS

DESIGNED BY: MED | REVIEWED BY: KP | RELEASED BY: MF

MATRIXNEWORLD
Engineering Progress
Matrix New World Engineering, Land Surveying and Landscape Architecture, P.C.
26 Columbia Turnpike
Florham Park, New Jersey 07932
Tel: 973-240-1800
Fax: 973-240-1818
www.mnwe.com
NEW JERSEY CERTIFICATE OF AUTHORIZATION No. 24GA27982300

GRID SAMPLE LOCATIONS
WITH ADDITIONAL CHARACTERIZATION SAMPLE LOCATIONS

VILLAGE OF RIDGEWOOD
BLOCK 4704, LOTS 9, 10, 11 & 12
WEST SADDLE RIVER ROAD
VILLAGE OF RIDGEWOOD
BERGEN COUNTY, NEW JERSEY

PROJECT NUMBER: 23-1429

SCALE: AS SHOWN

DATE: 8/16/2024

B

© MATRIXNEWORLD\F:\2023\23-1429 Village of Ridgewood\Drawings\Plot Sheets\Grid Sampling Delineation Locations.dwg

APPENDIX D

NJDEP Signed Conditional Sampling Plan Approval November 8, 2024

State of New Jersey

PHILIP D. MURPHY
Governor

TAHESHA L. WAY
Lt. Governor

DEPARTMENT OF ENVIRONMENTAL PROTECTION
Division of Waste & UST Compliance & Enforcement
Bureau of Solid Waste Compliance & Enforcement
9 Ewing Street
P.O. Box 420, Mail-Code 09-01
Trenton, NJ 08625-0420
Tel.: (609) 292-6305 Fax: (609) 292-4539

SHAWN M. LATOURETTE
Commissioner

Transmitted on November 8, 2024 via email to:

Melissa Feury, Project Manager of Matrix New World Engineering at: mfeury@mnwe.com and to Keith Kazmark, Village Manager, Village of Ridgewood at: kkazmark@ridgewoodnj.net

Re: Conditional Approval for Solid Waste Sampling (page 1 of 4)
Matrix New World Sampling Plan of November, 2024
Schedler Property at 460 West Saddle River Road, Ridgewood Village
Solid Waste Program Interest # U4347

Dear Ms. Feury and Mr. Kazmark,

The New Jersey Department of Environmental Protection's Bureau of Solid Waste Compliance and Enforcement (BSWC&E) has completed our review of the referenced document and approves same under the conditions noted herein.

1.) As further delineation sampling of the contaminants found at concentrations that trigger the definition of solid waste within the soil berm is not proposed, the BSWC&E is presuming that the soil berm will be addressed in a Corrective Action Workplan (CAW). Accordingly, any comments noted herein are limited to the portions of the site not encompassed by the soil berm.

2.) This conditions of this approval which address sampling and analyses protocol are limited to the determination of whether the soil/fill materials being sampled meet the portion of the definition of solid waste that addresses contaminant concentrations as referred to in N.J.A.C. 7:26-1.6(a)6. As such, analytical results from **any one** sample that indicate concentrations of contaminants that are above the Residential Ingestion-Dermal or Residential Inhalation soil remediation standards at N.J.A.C. 7:26 D are indicative of solid waste. While delineation of such contamination is acceptable with a plan approved by BSWC&E, **no compliance averaging** is accepted for the purpose of making a solid waste determination.

3.) The BSWC&E does not make determinations regarding whether or not soils or materials can be considered as Clean Fill pursuant to N.J.A.C. 7:26E -1.8. As such, upon receipt of acceptable data that indicates contaminant concentrations that do not trigger the definition of solid waste at N.J.A.C. 7:29-1.6(a)6, the

BSWC&E will acknowledge same by noting field compliance has been achieved (any penalty settlement aside) with respect to the particular solid waste violation associated with the quality of the soil/fill materials. The BSWC&E does not make determinations regarding whether or not a site has been remediated.

4.) The BSWC&E understands the strategy presented in the subject plan is to first visually determine if subsurface solid waste is present within an inner ring of borings surrounding the borings that previously were found to trigger the definition of solid waste. If solid waste is visually observed within the inner ring of borings will then move outwards to attempt to find subsurface conditions without a visual indication of solid waste within the subsurface to establish the locations of outer borings which will be used to collect samples to chemically determine if the materials sampled trigger the definition of solid waste. If such samples do not trigger the definition of solid waste, the BSWC&E would agree that subsurface delineation of solid waste has been appropriately addressed for the purpose of developing a CAW for the BSWC&E's review and approval prior to implementation. Any visual solid waste, whether that be in the subsurface or the surface of the site, shall be addressed in the CAW along with areas that chemically trigger the definition of solid waste.

5.) Unless rectification of the Quality Control issue associated with the Matrix Spike pesticides analysis can be resolved to the satisfaction of the BSWC&E, that is, the reported low recoveries for Alpha-BHC, Delta-BHC, Lindane, 4,4-DDD, 4,4-DDT, and Endrin Aldehyde during the previous grid sampling event, an additional Matrix Spike sample shall be collected and analyzed for Target Compound List pesticides within an area representative of the imported fill at this site. If this analysis proves to show acceptable spike recovery ranges, the BSWC&E will consider this data anomaly to have been appropriately addressed. If, however, insufficient matrix spike recovery is demonstrated, additional sampling and analyses for Target Compound List pesticides shall occur in at least the following areas with the understanding that further delineation sampling and analyses for such pesticides will be required if the samples noted below generate data that triggers the definition of solid waste:

- within the imported fill at all original grid sample locations for which further sampling has not been proposed by Matrix; and,
- within the locations and depths for the vertical delineation samples proposed by Matrix.

In order to reduce the mobilizations to the site for additional delineation sampling to address potential pesticide contamination, Ridgewood Village may want to consider collecting contingency samples based upon the results of the samples required to be analyzed as noted above.

6.) Unless otherwise specified herein, all sampling shall be performed in accordance with the latest version of the NJDEP's Field Sampling Procedures Manual and N.J.A.C. 7:26 E – The Technical Requirements for Site Remediation.

7.) All analyses shall be performed by a laboratory that has at least the following two certifications:

a.) Overall Laboratory Certification from the State of New Jersey; and,
b.) Certification from the State of New Jersey for the particular test method being employed.

8). Any proposed analytes shall incorporate the test methods associated with EPA's Contract Laboratory Program (CLP) and shall be those analytes included in the respective Target Analyte List (TAL) or Target Compound List (TCL) of the CLP. For example, any proposal to analyze for "Metals" shall be inclusive of all metals in the TAL. For solid waste determinations, the BSWC&E will not be reviewing the Tentatively Identified Compounds (TIC) data as such data is not tied to the definition of solid waste. Hexavalent chromium analysis may be substituted for total chromium analysis, however, since there is no promulgated Residential Soil Remediation Standard within N.J.A.C. 7:26D for either total or hexavalent chromium and therefore chromium analyses does not address the definition of solid waste, the BSWC&E will not be commenting on the results of such analyses. Rather, interpretation of both chromium analyses and TICs would fall within the purview of the Licensed Site Remediation Professional (LSRP) retained pursuant to N.J.A.C. 7:26C.

9.) The Quality Assurance Plans shall incorporate quality control provisions while providing at least the Reduced Regulatory Deliverables pursuant to Attachment A-II of N.J.A.C. 7:26 E. The locations of the Laboratory Non-Conformance Summary (NCS), Sample Receipt Form and Chain of Custody shall be readily identified in the laboratory report. Please take particular note of the need to document a conclusion of the review of the NCS for which a certification is required as noted on the attached Data Documentation Review form.

10.) To expedite the BSWC&E's data review, in addition to the full scale laboratory report, a separate table shall be submitted which compares the data to the Residential Ingestion-Dermal and Residential Inhalation soil remediation standards at N.J.A.C. 7:26D. Any comparison to either default or site specific Migration to Ground Water pathway soil remediation standards would not be performed by the BSWC&E, but rather by the LSRP retained pursuant to N.J.A.C. 7:26C. Further, if the site is located within or the contaminants from the fill could migrate to an Environmentally Sensitive Natural Resource, the LSRP would compare the analytical results to the Ecological Screening Criteria instead of the BSWC&E as such criteria is not tied to the definition of solid waste.

11.) Within ninety (90) days upon receipt of this conditional approval, a Report of Findings shall be submitted which includes at a minimum:

a.) text describing the activities conducted, sampling techniques employed and observations made;
b.) a scaled Site Map noting all sample locations and plotting the analytical results that trigger the definition of solid waste at such locations;

c.) boring logs depicting subsurface material descriptions, soil gas readings and the depth of sample collection;
d.) tabulated laboratory data comparing the analytical results to the Residential Soil Remediation Standards;
e.) a laboratory report replete with Tier 2 Reduced Laboratory Data Deliverables consistent with Appendix A of N.J.A.C. 7:26E;
f.) a letter of interpretation of the laboratory's Non-Conformance Summary providing an opinion on the reliability of the data generated;
g.) a completed Data Review Documentation form;
h.) calibration log for the soil gas direct reading instrument; and,
i.) a proposed schedule to submit a CAW.

12.) The BSWC&E intends on observing the field work. If there are any changes to the planned implementation of this sampling event which is understood to take place on November 21 and 22nd of this year, please notify the undersigned upon determination of same.

13.) This conditional approval does not and should not limit the scope of work that a LSRP retained to remediate the subject site pursuant to N.J.A.C. 7:26C may advise their client to be performed in support of a Response Action Outcome.

14.) Ridgewood Village and/or their representatives shall apply for and obtain any requisite federal, State or local permits or approvals that may be necessary prior to performing the work associated with this conditional approval.

Should you have any questions, please contact me at (609) 633-1237.

Regards,

Tom Farrell, Chief

Bureau of Solid Waste Compliance & Enforcement

C: Gina Lugo, David Ongaro – BSWC&E
Sana Qureshi, Sanjay Sinha, NJDEP
Mike Hastry, W&USTC&E

APPENDIX E

Soil Boring Logs

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-4-N1**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/22/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
1		Brown SANDY SILT with Gravel			0	
					0	
			GRID-4-N1	10:40	0	Benzo(a)pyrene
2		Tan SANDY SILT with Gravel			0	
					0	
3		Brown/Tan SILTY SAND with Some mf Gravel			0	
					0	
4					0	
5						
6						
7						
8						
9						
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11						
12						
13						
14						
15						
16						
17						
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19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-4-S1**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/22/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
1		Brown SANDY SILT with Stone			0	
					0	
			GRID-4-S1	10:55	0	Benzo(a)pyrene
2		Tan SANDY SILT with Gravel			0	
					0	
3		Brown/Tan SILTY SAND with Some Gravel			0	
					0	
4					0	
5						
6						
7						
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19						
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22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-4-E1**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/22/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
1		Brown SANDY SILT with Gravel			0	
					0	
			GRID-4-E1	10:25	0	Benzo(a)pyrene
2		Tan SANDY SILT with Gravel			0	
					0	
3		Brown/Tan SILTY SAND with Some mf Gravel			0	
					0	
4					0	
5						
6						
7						
8						
9						
10						
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22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-4-W1**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/22/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
1		Brown SANDY SILT with Gravel	GRID-4-W1	10:45	0 0 0	Benzo(a)pyrene
2		Brown SILTY SAND with mf Gravel			0 0 0 0 0	
3						
4						
5						
6						
7						
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12						
13						
14						
15						
16						
17						
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20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-4-N2**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/22/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
1		Brown SANDY SILT with Gravel	GRID-4-N2	10:33	0 0 0	Benzo(a)pyrene
2		Brown SILTY SAND with mf Gravel			0 0 0 0 0	
3						
4						
5						
6						
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16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-4-S2**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/22/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
1		Brown SANDY SILT with Gravel			0	
					0	
			GRID-4-S2	11:00	0	Benzo(a)pyrene
2		Stone			0	
3		Brown SILTY SAND with mf Gravel			0	
					0	
					0	
4					0	
5						
6						
7						
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21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-4-E2**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/22/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
1		Brown SANDY SILT with Gravel			0	
					0	
			GRID-4-E2	10:30	0	Benzo(a)pyrene
2		Tan SANDY SILT with Gravel			0	
					0	
3		Brown/Tan SILTY SAND with Some mf Gravel			0	
					0	
4					0	
5						
6						
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22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-4-W2**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/22/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
1		Brown SANDY SILT with Gravel	GRID-4-W2	10:50	0 0 0	Benzo(a)pyrene
2		Brown SILTY SAND with mf Gravel			0 0 0 0 0	
3						
4						
5						
6						
7						
8						
9						
10						
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12						
13						
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16						
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21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-10A-N1**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/22/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
1		Brown SANDY SILT with Some Gravel	GRID-10A-N1	13:05	0 0 0	Mercury, Benzo(a)pyrene
2		Brown CLAYEY SILT			0 0	
3					0 0	
4		Brown SILTY SAND with mf Gravel			0	
5						
6						
7						
8						
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14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-10A-S1**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/22/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
		Topsoil			0	
1		Brown SANDY SILT with Some Gravel	GRID-10A-S1	12:57	0 0	Mercury, Benzo(a)pyrene
2		Brown CLAYEY SILT			0 0	
3		Brown SILTY SAND with mf Gravel			0 0	
4					0	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-10A-E1**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/22/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
1		Brown SANDY SILT with Some Gravel	GRID-10A-E1	13:15	0 0 0 0	Mercury, Benzo(a)pyrene
2						
3		Brown CLAYEY SILT			0 0	
4		Brown SILTY SAND with mf Gravel			0 0	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-10A-W1**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/22/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
1		Brown SANDY SILT with Some Gravel	GRID-10A-W1	13:20	0 0 0	Mercury, Benzo(a)pyrene
2		Brown CLAYEY SILT			0	
3					0 0 0	
4		Brown SILTY SAND with mf Gravel			0	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-10A-N2**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/22/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
1		Brown SANDY SILT with Some Gravel	GRID-10A-N2	13:07	0 0 0 0	Mercury, Benzo(a)pyrene
2						
3		Brown CLAYEY SILT			0 0	
4		Brown SILTY SAND with mf Gravel			0 0	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-10A-S2**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/22/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
		Topsoil			0	
1		Brown SANDY SILT with Some Gravel	GRID-10A-S2	13:02	0 0	Mercury, Benzo(a)pyrene
2		Brown CLAYEY SILT			0 0	
3		Brown SILTY SAND with mf Gravel			0 0	
4					0	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-10A-E2**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/22/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
1		Brown SANDY SILT with Some Gravel	GRID-10A-E2	13:10	0 0 0	Mercury, Benzo(a)pyrene
2		Brown CLAYEY SILT			0 0	
3					0 0	
4		Brown SILTY SAND with mf Gravel			0	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-10A-W2**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/22/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
1		Brown SANDY SILT with Gravel	GRID-10A-W2	13:25	0 0 0 0 0 0 0	Mercury, Benzo(a)pyrene
2						
3						
4		Brown SILTY SAND with mf Gravel			0	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-11-N1**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/22/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
1		Brown SANDY SILT with Some Gravel	GRID-11-N1	12:00	0	Benzo(a)pyrene
2					0	
3					0	
4					0	
5					0	
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-11-S1**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/22/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
		Topsoil			0	
1		Brown/Red SANDY SILT with Gravel	GRID-11-S1	11:50	0 0 0 0 0 0	Benzo(a)pyrene
2						
3						
4		Crushed Stone			0	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-11-E1**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/22/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
		Topsoil			0	
1		Brown/Red SANDY SILT with Gravel	GRID-11-E1	12:10	0 0 0 0 0 0	Benzo(a)pyrene
2						
3						
4		Crushed Stone			0	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-11-W1**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/22/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
		Topsoil			0	
1		Brown/Red SANDY SILT with Gravel	GRID-11-W1	11:40	0 0 0 0 0 0	Benzo(a)pyrene
2						
3						
4		Crushed Stone			0	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-11-N2**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/22/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
1		Brown SANDY SILT with Some Gravel	GRID-11-N2	12:05	0	Benzo(a)pyrene
2					0	
3					0	
4					0	
5					0	
6					0	
7					0	
8					0	
9					0	
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-11-S2**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/22/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
1		Brown SANDY SILT with Gravel	GRID-11-S2	11:55	0 0 0 0 0	Benzo(a)pyrene
2						
3		Asphalt			0	
4		Brown CLAY			0 0	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-11-E2**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/22/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
1		Brown SANDY SILT with Some Gravel	GRID-11-E2	12:20	0	Benzo(a)pyrene
2					0	
3					0	
4					0	
5					0	
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-11-W2**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/22/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
		Topsoil			0	
1		Brown/Red SANDY SILT with Gravel	GRID-11-W2	11:45	0 0 0 0 0 0	Benzo(a)pyrene
2						
3						
4		Crushed Stone			0	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-16-N1**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/21/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
		Topsoil			0	
1		Brown/Tan SANDY SILT with mf Gravel	GRID-16-N1	14:00	0	Benzo(a)pyrene
2					0	
					0	
					0	
3		Brown SILTY SAND with mf Gravel			0	
					0	
4					0	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-16-S1**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/21/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
		Topsoil			0	
1		Brown/Tan SANDY SILT with mf Gravel	GRID-16-S1	14:10	0 0 0 0 0 0	Benzo(a)pyrene
2						
3						
4		Brown SILTY SAND with mf Gravel			0	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-16-E1**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/21/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
		Topsoil			2.9	
1		Brown/Tan SANDY SILT with mf Gravel	GRID-16-E1	13:30	0.4	Benzo(a)pyrene
2					0	
					0	
					0	
3		Brown SILTY SAND with mf Gravel			0	
					0	
4					0	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-16-W1**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/21/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
		Topsoil			0	
1		Brown/Tan SANDY SILT with mf Gravel	GRID-16-W1	13:45	0	Benzo(a)pyrene
2					0	
					0	
					0	
3		Brown SILTY SAND with mf Gravel			0	
4					0	
					0	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-16-N2**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/21/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
		Topsoil			0	
1		Brown/Tan SANDY SILT with mf Gravel	GRID-16-N2	14:05	0	Benzo(a)pyrene
2					0	
					0	
					0	
3		Brown SILTY SAND with mf Gravel			0	
					0	
4					0	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-16-S2**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/21/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
		Topsoil			0	
1		Brown/Tan SANDY SILT with mf Gravel	GRID-16-S2	14:20	0	Benzo(a)pyrene
2					0	
					0	
					0	
3		Brown SILTY SAND with mf Gravel			0	
					0	
4					0	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-16-E2**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/21/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
		Topsoil			0	
1		Brown/Tan SANDY SILT with mf Gravel	GRID-16-E2	13:40	0	Benzo(a)pyrene
2					0	
					0	
					0	
3		Brown SILTY SAND with mf Gravel			0	
					0	
4					0	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
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21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-16-W2**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/21/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
		Topsoil			0	
1		Brown/Tan SANDY SILT with mf Gravel	GRID-16-W2	13:55	0	Benzo(a)pyrene
2					0	
					0	
					0	
3		Brown SILTY SAND with mf Gravel			0	
4					0	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-18-N1**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/22/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
		Topsoil			0	
1		Brown/Tan SANDY SILT with Some Gravel	GRID-18-N1	9:30	0 0	Benzo(a)pyrene & Benzo(a)anthracene
2		Brown SILTY SAND with Some mf Gravel			0	
3					0	
4					0 0	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-18-S1**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/22/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
		Topsoil			0	
1		Brown SANDY SILT with Some Gravel	GRID-18-S1	9:35	0	Benzo(a)pyrene & Benzo(a)anthracene
2					0	
					0	
3		Brown SILTY SAND with Some mf Gravel			0	
					0	
4					0	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
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16						
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19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-18-E1**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/22/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
		Topsoil			0	
1		Brown/Tan SANDY SILT with Some Gravel	GRID-18-E1	9:05	0 0	Benzo(a)pyrene & Benzo(a)anthracene
2		Brown SILTY SAND with Some mf Gravel			0 0	
3					0 0	
4					0	
5						
6						
7						
8						
9						
10						
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20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-18-W1**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/22/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
		Topsoil			0	
1		Brown/Tan SANDY SILT with Some Gravel	GRID-18-W1	9:10	0 0	Benzo(a)pyrene & Benzo(a)anthracene
2		Brown SILTY SAND with Some mf Gravel			0	
3					0	
4					0 0	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-18-N2**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/22/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
		Topsoil			0	
1		Brown/Tan SANDY SILT with Some mf Gravel	GRID-18-N2	9:25	0	Benzo(a)pyrene & Benzo(a)anthracene
2					0	
3					0	
4					0	
5					0	
6					0	
7					0	
8					0	
9					0	
10					0	
11					0	
12					0	
13					0	
14					0	
15					0	
16					0	
17					0	
18					0	
19					0	
20					0	
21					0	
22					0	
23					0	

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-18-S2**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/22/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
1		Topsoil			0 0	
2		Tan SANDY SILT with Some mf Gravel	GRID-18-S2	9:40	0 0 0 0 0 0	Benzo(a)pyrene & Benzo(a)anthracene
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-18-E2**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/22/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
		Topsoil			0	
1		Brown/Tan SANDY SILT with Some Gravel	GRID-18-E2	8:55	0 0	Benzo(a)pyrene & Benzo(a)anthracene
2		Brown SILTY SAND with Some mf Gravel			0 0	
3					0 0	
4					0	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-18-W2**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/22/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
		Topsoil			0	
1		Brown/Tan SANDY SILT with Some Gravel	GRID-18-W2	9:15	0 0	Benzo(a)pyrene & Benzo(a)anthracene
2		Brown SILTY SAND with Some mf Gravel			0	
3					0	
4					0 0	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-20-N1**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/26/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Jim Burton**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
1		Brown SANDY SILT with Gravel	GRID-20-N1	10:30	0 0 0 0	Benzo(a)pyrene & Benzo(a)anthracene
2						
3		Tan SANDY SILT			0 0	
4		Brown SILTY SAND with mf Gravel			0 0	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-20-S1**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/26/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Jim Burton**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
1		Brown SANDY SILT with Gravel	GRID-20-S1	10:20	0 0 0 0	Benzo(a)pyrene & Benzo(a)anthracene
2						
3		Tan SANDY SILT			0 0	
4		Brown SILTY SAND with mf Gravel			0 0	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-20-E1**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/26/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Jim Burton**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
1		Brown SANDY SILT with Gravel	GRID-20-E1	10:00	0 0 0 0	Benzo(a)pyrene & Benzo(a)anthracene
2						
		Brown CLAY			0	
3		Brown SILTY SAND with mf Gravel			0 0 0	
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-20-W1**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/26/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Jim Burton**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
1		Brown SANDY SILT with Gravel	GRID-20-W1	10:12	0 0 0 0 0 0	Benzo(a)pyrene & Benzo(a)anthracene
2						
3						
4		Brown SILTY SAND with mf Gravel			0 0	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-20-N2**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/26/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Jim Burton**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
1		Brown SANDY SILT with Gravel	GRID-20-N2	10:35	0 0 0 0	Benzo(a)pyrene & Benzo(a)anthracene
2						
		Brown CLAY			0	
3		Brown SILTY SAND with mf Gravel			0 0 0	
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-20-S2**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/26/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Jim Burton**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
1		Brown SANDY SILT with Gravel	GRID-20-S2	10:25	0 0 0 0	Benzo(a)pyrene & Benzo(a)anthracene
2						
		Brown CLAY			0	
3		Brown SILTY SAND with mf Gravel			0 0 0	
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-20-E2**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/26/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Jim Burton**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
1		Brown SANDY SILT with Gravel	GRID-20-E2	9:55	0 0 0 0	Benzo(a)pyrene & Benzo(a)anthracene
2						
3		Tan SANDY SILT			0 0	
4		Brown SILTY SAND with mf Gravel			0 0	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-20-W2**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/26/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Jim Burton**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
1		Brown SANDY SILT with Gravel	GRID-20-W2	10:15	0 0 0 0	Benzo(a)pyrene & Benzo(a)anthracene
2						
3		Tan SANDY SILT			0 0	
4		Brown SILTY SAND with mf Gravel			0 0	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-21-N1**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/22/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
1		Brown SANDY SILT with Some Gravel	GRID-21-N1	14:07	0 0 0 0	Benzo(a)pyrene
2						
3		Brown CLAYEY SILT			0 0 0 0	
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-21-E1**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/22/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
1		Brown SANDY SILT with Some Gravel	GRID-21-E1	14:02	0 0 0	Benzo(a)pyrene
2		Brown CLAYEY SILT			0 0	
3		Brown SILTY SAND with mf Gravel			0 0	
4					0	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-21-N2**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/22/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
1		Brown SANDY SILT with Some Gravel			0	
					0	
			GRID-21-N2	14:10	0	Benzo(a)pyrene
2		Brown CLAYEY SILT			0	
					0	
3		Brown SILTY SAND with mf Gravel			0	
					0	
4					0	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-21-E2**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/22/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
1		Brown SANDY SILT with Some Gravel	GRID-21-E2	14:05	0	Benzo(a)pyrene
2					0	
3					0	
4					0	
5					0	
6					0	
7					0	
8					0	
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-26-N1**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/21/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
1		Brown SILTY SAND with Gravel	GRID-26-N1	9:55	0 0.7 0.8 0 0 0 0 0	Benzo(a)pyrene
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-26-S1**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/21/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
1		Brown SILTY SAND with Gravel	GRID-26-S1	10:30	0	Benzo(a)pyrene
2					0	
3					0	
4					0	
5					0	
6					0	
7					0	
8					0	
9					0	
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-26-E1**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/21/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
1		Brown SILTY SAND with Gravel	GRID-26-E1	10:20	0	Benzo(a)pyrene
2					0	
3					0	
4					0	
5					0	
6					0	
7					0	
8					0	
9					0	
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-26-W1**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/21/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
1		Brown SANDY SILT with mf Gravel	GRID-26-W1	10:45	0 0 0 0	Benzo(a)pyrene
2						
3		Brown SILTY SAND with Gravel			0 0 0 0	
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-26-N2**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/21/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
1		Brown SANDY SILT with mf Gravel	GRID-26-N2	10:50	0 0 0 0	Benzo(a)pyrene
2						
3		Brown SILTY SAND with Gravel			0 0 0 0	
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-26-S2**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/21/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
1		Brown SANDY SILT with mf Gravel	GRID-26-S2	11:10	0 0 0 0	Benzo(a)pyrene
2						
3		Brown SILTY SAND with Gravel			0 0 0 0	
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-26-E2**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/21/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
1		Brown SANDY SILT with mf Gravel	GRID-26-E2	10:55	0 0 0 0	Benzo(a)pyrene
2						
3		Brown SILTY SAND with Gravel			0 0 0 0	
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-26-W2**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/21/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
1		Brown SANDY SILT with mf Gravel	GRID-26-W2	10:42	0 0 0 0	Benzo(a)pyrene
2						
3		Brown SILTY SAND with Gravel			0 0 0 0	
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-28-N1**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/21/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
		Topsoil			0	
1		Brown/Tan SANDY SILT with mf Gravel	GRID-28-N1	12:10	0	Benzo(a)pyrene
2					0	
					0	
3		Brown SILTY SAND with Gravel			0	
					0	
4					0	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-28-S1**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/21/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
1		Brown SANDY SILT	GRID-28-S1	12:50	0 0 0	Contingent Benzo(a)pyrene
2		Brown SANDY SILT with Gravel			0	
3					0	
4					0 0	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-28-E1**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/21/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
		Topsoil			0	
1		Brown/Tan SANDY SILT with mf Gravel	GRID-28-E1	12:25	0	Benzo(a)pyrene
2					0	
					0	
3		Brown SILTY SAND with Gravel			0	
					0	
4					0	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-28-W1**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/21/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
1		Topsoil with Gravel			0 0	
2		Gray/Red SANDY SILT with Some Gravel	GRID-28-W1	11:50	0 0 0 0 0 0	Contingent Benzo(a)pyrene
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-28-N2**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/21/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
		Topsoil			0	
1		Brown/Tan SANDY SILT with mf Gravel	GRID-28-N2	12:15	0	Benzo(a)pyrene
2					0	
					0	
3		Brown SILTY SAND with Gravel			0	
					0	
4					0	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-28-S2**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/21/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
1		Brown SANDY SILT	GRID-28-S2	13:00	0 0 0	Contingent Benzo(a)pyrene
2		Brown SANDY SILT with Gravel			0 0	
3					0 0	
4		Black CLAY			0	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-28-E2**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/21/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
1		Brown/Tan SANDY SILT with mf Gravel	GRID-28-E2	12:40	0 0 0	Benzo(a)pyrene
2		Brown SILTY SAND with mf Gravel			0 0	
3					0 0	
4					0	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-28-W2**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/21/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Robert Shinn**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
1		Brown SANDY SILT with Some cmf Gravel	GRID-28-W2	11:40	0	Contingent Benzo(a)pyrene
2					0	
3					0	
4					0	
5					0	
6					0	
7					0	
8					0	
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-29**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/26/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Jim Burton**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
1		Brown SANDY SILT with Gravel (Fill)	GRID-29	9:40	0	TCL/TAL+30
2					0	
3					0	
4					0	
5					0	
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-30**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/26/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Jim Burton**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
1		Brown SANDY SILT with Gravel (Fill)	GRID-30	9:50	0 0 0 0 0	TCL/TAL+30
2						
3		Brown SILTY SAND with mf Gravel			0 0 0	
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-31**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/26/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Jim Burton**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
1		Brown SANDY SILT with Gravel and Fill (Asphalt, Concrete, Ceramic)	GRID-31	11:00	0 0 0 0 0 0	TCL/TAL+30
2						
3						
4		Brown SILTY SAND with mf Gravel			0 0	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-32**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/26/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Jim Burton**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
		Topsoil			0	
1		Gray CLAY (Fill)			0	
2		Brown SANDY SILT with Gravel (Fill)	GRID-32	11:15	0 0 0	TCL/TAL+30
3		Tan SANDY SILT with mf Gravel			0 0 0	
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-33**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/26/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Jim Burton**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
1		Brown SANDY SILT with Gravel (Fill)	GRID-33	12:15	0 0 0 0	TCL/TAL+30
2						
3		Tan SANDY SILT			0 0	
4		Brown SANDY SILT with mf Gravel			0 0	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-34**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/26/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Jim Burton**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
1		Brown SANDY SILT with Stone/Gravel (Fill)	GRID-34	12:40	0	TCL/TAL+30
2					0	
3					0	
					0	
4		Brown CLAYEY SILT with Wood			0	
					0	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-35**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/26/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Jim Burton**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
1		Brown SANDY SILT with Gravel and Asphalt (Fill)	GRID-35	12:55	0 0 0 0	TCL/TAL+30
2						
3		Brown SILTY SAND with mf Gravel			0 0 0 0	
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-36**

SHEET **1** OF **1**

PROJECT NO.: **23-1429-004** PROJECT: **Village of Ridgewood - Schedler Property** DATE: **11/26/2024**

PROJECT LOCATION: **Ridgewood, NJ** CLIENT: **Village of Ridgewood**

BORING LOCATION: DRILLER: **Jim Burton**

DRILLING CONTRACTOR: **EPI** LOGGED BY: **D. Cavallo**

DRILLING EQUIPMENT: **Geoprobe 7822DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **4** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting Northing

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
		Topsoil			0	
1		Crushed Stone (Fill)			0	
2		Brown SANDY SILT with Gravel (Fill)	GRID-36	13:10	0 0	TCL/TAL+30
3		Tan SANDY SILT			0 0	
4		Brown SILTY SAND with mf Gravel			0 0	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-1**

SHEET **1** OF **1**

PROJECT NO. **23-1429** PROJECT: **Ridgewood Grid Sampling** DATE: **6/26/2024**

PROJECT LOCATION: **Schedler Property** CLIENT: **Village of Ridgewood**

BORING LOCATION: **785673.57"N** **604482.31"E** DRILLER:

DRILLING CONTRACTOR: **EPI** LOGGED BY: **E. McNally**

DRILLING EQUIPMENT: **Geoprobe 7822 DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **5** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting 604482.31 Northing 785673.57

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth
		0	

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
1		Brown SANDY SILT, dry, some Gravel	GRID-1	11:35	0	Hex. Chrome,PCBs,Pesticides,TAL Metals,TCLSVOC+20,
2					0	
3					0	
4					0	
5					0	
6					0	
7					0	
8					0	
9					0	
10					0	
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-2**

SHEET **1** OF **1**

PROJECT NO. **23-1429** PROJECT: **Ridgewood Grid Sampling** DATE: **6/26/2024**

PROJECT LOCATION: **Schedler Property** CLIENT: **Village of Ridgewood**

BORING LOCATION: **785602.94"N** **604529.35"E** DRILLER:

DRILLING CONTRACTOR: **EPI** LOGGED BY: **E. McNally**

DRILLING EQUIPMENT: **Geoprobe 7822 DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **5** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting 604529.35 Northing 785602.94

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth
		0	

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
1		Brown fine SANDY SILT, dry, some Gravel	GRID-2	0:00	0	Hex. Chrome,PCBs,Pesticides,TAL Metals,TCLSVOC+20
					0	
					0.4	
2					0.4	
					0	
3					0	
					0	
4					0	
					0	
5					0	
					0	
6					0	
					0	
7					0	
					0	
8					0	
					0	
9					0	
					0	
10					0	
					5	
11					0	
					0	
12					0	
					0	
13					0	
					0	
14					0	
					0	
15					0	
					0	
16					0	
					0	
17					0	
					0	
18					0	
					0	
19					0	
					0	
20					0	
					0	
21					0	
					0	
22					0	
					0	
23					0	

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-5**

SHEET **1** OF **1**

PROJECT NO. **23-1429** PROJECT: **Ridgewood Grid Sampling** DATE: **6/26/2024**

PROJECT LOCATION: **Schedler Property** CLIENT: **Village of Ridgewood**

BORING LOCATION: **785184.37"N** **604528.04"E** DRILLER:

DRILLING CONTRACTOR: **EPI** LOGGED BY: **E. McNally**

DRILLING EQUIPMENT: **Geoprobe 7822 DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **5** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting 604528.04 Northing 785184.37

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth
		0	

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
1		Brown SILTY SAND, some medium to find Gravel, dry	GRID-5	12:20	0	Hex. Chrome,PCBs,Pesticides,TAL Metals,TCLSVOC+20
					0	
2					0.4	
					0.4	
3					0	
					0	
4					0	
					0	
5					0	
					0	
6					0	
					0	
7					0	
					0	
8					0	
					0	
9					0	
					0	
10					0	
					5	
11					0	
					0	
12					0	
					0	
13					0	
					0	
14					0	
					0	
15					0	
					0	
16					0	
					0	
17					0	
					0	
18					0	
					0	
19					0	
					0	
20					0	
					0	
21					0	
					0	
22					0	
					0	
23					0	

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-6**

SHEET **1** OF **1**

PROJECT NO. **23-1429** PROJECT: **Ridgewood Grid Sampling** DATE: **6/26/2024**

PROJECT LOCATION: **Schedler Property** CLIENT: **Village of Ridgewood**

BORING LOCATION: **785089.56"N** **604530.8"E** DRILLER:

DRILLING CONTRACTOR: **EPI** LOGGED BY: **E. McNally**

DRILLING EQUIPMENT: **Geoprobe 7822 DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **5** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting 604530.8 Northing 785089.56

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth
		0	

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
1		Brown SILTY SAND, some medium to fine Gravel, dry	GRID-6	12:30	0 0 2.4 0 0 0 0 0 0 0	Hex. Chrome,PCBs,Pesticides,TAL Metals,TCLSVOC+20
2						
3						
4						
5						
6					0 0 0 0 0 0 0 0 0 0 5 0 0 0 0 0 0 0 0 0

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-17**

SHEET **1** OF **1**

PROJECT NO. **23-1429** PROJECT: **Ridgewood Grid Sampling** DATE: **6/26/2024**

PROJECT LOCATION: **Schedler Property** CLIENT: **Village of Ridgewood**

BORING LOCATION: **785649.22"N** **604262.51"E** DRILLER:

DRILLING CONTRACTOR: **EPI** LOGGED BY: **E. McNally**

DRILLING EQUIPMENT: **Geoprobe 7822 DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **5** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting 604262.51 Northing 785649.22

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth
		0	

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
1		Brown SANDY SILT, some Gravel, dry	GRID-17	10:25	0	Hex. Chrome,PCBs,Pesticides,TAL Metals,TCLSVOC+20
					0	
					0.5	
2					0	
					0	
3					0	
					0	
4					0	
					0	
5					0	
					0	
6					0	
					0	
7					0	
					0	
8					0	
					0	
9					0	
					0	
10					0	
					5	
11					0	
					0	
12					0	
					0	
13					0	
					0	
14					0	
					0	
15					0	
					0	
16					0	
					0	
17					0	
					0	
18					0	
					0	
19					0	
					0	
20					0	
					0	
21					0	
					0	
22					0	
					0	
23					0	

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-19**

SHEET **1** OF **1**

PROJECT NO. **23-1429** PROJECT: **Ridgewood Grid Sampling** DATE: **6/26/2024**

PROJECT LOCATION: **Schedler Property** CLIENT: **Village of Ridgewood**

BORING LOCATION: **785487.62"N** **604301.29"E** DRILLER:

DRILLING CONTRACTOR: **EPI** LOGGED BY: **E. McNally**

DRILLING EQUIPMENT: **Geoprobe 7822 DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **5** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting 604301.29 Northing 785487.62

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth
		0	

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
1		Brown fine SANDY SILT, some Gravel	GRID-19	13:35	0	Hex. Chrome,PCBs,Pesticides,TAL Metals,TCLSVOC+20
					0	
					1.6	
2					0	
					0	
3					0	
					0	
4					0	
					0	
5					0	
					0	
6					0	
					0	
7					0	
					0	
8					0	
					0	
9					0	
					0	
10					0	
					5	
11					0	
					0	
12					0	
					0	
13					0	
					0	
14					0	
					0	
15					0	
					0	
16					0	
					0	
17					0	
					0	
18					0	
					0	
19					0	
					0	
20					0	
					0	
21					0	
					0	
22					0	
					0	
23					0	

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

MATRIXNEWORLD
Engineering Progress

BORING LOG

BORING NO.: **GRID-25**

SHEET **1** OF **1**

PROJECT NO. **23-1429** PROJECT: **Ridgewood Grid Sampling** DATE: **6/26/2024**

PROJECT LOCATION: **Schedler Property** CLIENT: **Village of Ridgewood**

BORING LOCATION: **785760.88"N** **604162.53"E** DRILLER:

DRILLING CONTRACTOR: **EPI** LOGGED BY: **E. McNally**

DRILLING EQUIPMENT: **Geoprobe 7822 DT**

DRILLING METHOD: **Direct Push**

BOREHOLE DEPTH (ft): **5** BOREHOLE DIAMETER (in): **2**

ELEV.: DATUM:

Easting 604162.53 Northing 785760.88

GROUNDWATER LEVEL			
Date	Time	Depth	Casing Depth
		0	

Depth Feet (Elev.)	Graphic	Description of Material	Sample Name	Sample Time	PID	Laboratory Tests
1		Brown medium to fine SANDY SILT	GRID-25	9:15	0 0.3 0 0 0 0 0 0 0 0	Hex. Chrome,PCBs,Pesticides,TAL Metals,TCLSVOC+20
2						
3						
4						
5						
6					0 0 0 0 0 0 0 0 0 0 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Notes:
PID - Photoionization Detector NA - Not Applicable NE - Not Encountered
ppm - parts per million ppb - parts per billion

APPENDIX F

Nankoweep Data Validation Reports

RIDGEWOOD BERM SAMPLING
VALIDATION OF LABORATORY RESULTS
SGS LABORATORY (DAYTON, NJ)

LABORATORY REPORT # JE1296 DATED DECEMBER 5, 2024
LABORATORY REPORTS # JE1296R and JE1296U DATED DECEMBER 12, 2024

INTRODUCTION

Matrix New World Engineering (Matrix) collected 36 soil samples, two field duplicate samples, and one aqueous field blank on November 21, 2024. Samples were relinquished to an SGS Laboratory courier, and then transported to SGS Laboratory, located in Dayton, New Jersey. Samples were received at SGS on November 21, 2024 at an acceptable temperature of 4.1 degrees Celsius. Sample identifications and requested analyses are listed below. Several samples were placed on hold, pending the results of the initial analyses. If the hold analyses were performed, these are noted in the following pages in **BOLD** in the comments column, and are validated as applicable.

Matrix Sample ID	Lab Sample ID	Analyses Requested and Methods		Initial Status / Comment
GRID-26R	JE1296-1		TCL Pesticides	**Hold**
GRID-26R	JE1296-1R		TCL Pesticides	**Analyzed**
GRID-26(2.0-2.5)	JE1296-2	Benzo(a)pyrene EPA Method 8270E		
GRID-26(2.5-3)	JE1296-3	Benzo(a)pyrene EPA Method 8270E		Hold
GRID-26-N1	JE1296-4	Benzo(a)pyrene EPA Method 8270E		
GRID-26-N2	JE1296-5	Benzo(a)pyrene EPA Method 8270E		Hold
GRID-26-S1	JE1296-6	Benzo(a)pyrene EPA Method 8270E		
GRID-26-S2	JE1296-7	Benzo(a)pyrene EPA Method 8270E		Hold
GRID-26-E1	JE1296-8	Benzo(a)pyrene EPA Method 8270E		
GRID-26-E2	JE1296-9	Benzo(a)pyrene EPA Method 8270E		Hold
GRID-26-W1	JE1296-10	Benzo(a)pyrene EPA Method 8270E		
GRID-26-W2	JE1296-11	Benzo(a)pyrene EPA Method 8270E		Hold
FB-1	JE1296-12	TCL and TAL +30 list Methods		Field Blank
GRID-28R	JE1296-13		TCL Pesticides	**Hold**
GRID-28R	JE1296-13R		TCL Pesticides	**Analyzed**
GRID-28(2.0-2.5)	JE1296-14	Benzo(a)pyrene EPA Method 8270E		
GRID-28(2.5-3)	JE1296-15	Benzo(a)pyrene EPA Method 8270E		**Hold**
GRID-28(2.5-3)	JE1296-15U	Benzo(a)pyrene EPA Method 8270E		**Analyzed**
GRID-28-N1	JE1296-16	Benzo(a)pyrene EPA Method 8270E		
GRID-28-N2	JE1296-17	Benzo(a)pyrene EPA Method 8270E		Hold
GRID-28-S1	JE1296-18	Benzo(a)pyrene EPA Method 8270E		Hold
GRID-28-S2	JE1296-19	Benzo(a)pyrene EPA Method 8270E		Hold
GRID-28-E1	JE1296-20	Benzo(a)pyrene EPA Method 8270E		
GRID-28-E2	JE1296-21	Benzo(a)pyrene EPA Method 8270E		Hold
GRID-28-W1	JE1296-22	Benzo(a)pyrene EPA Method 8270E		Hold
GRID-28-W2	JE1296-23	Benzo(a)pyrene EPA Method 8270E		Hold
DUP-1	JE1296-24	Benzo(a)pyrene EPA Method 8270E		Dup of primary sample GRID-28-E1

Matrix Sample ID	Lab Sample ID	Analyses Requested and Methods		Initial Status
GRID-16R	JE1296-25		TCL Pesticides	**Hold**
GRID-16R	JE1296-25R		TCL Pesticides	**Analyzed**
GRID-16(2.0-2.5)	JE1296-26	Benzo(a)pyrene EPA Method 8270E		
GRID-16(2.5-3)	JE1296-27	Benzo(a)pyrene EPA Method 8270E		Hold
GRID-16-N1	JE1296-28	Benzo(a)pyrene EPA Method 8270E		
GRID-16-N2	JE1296-29	Benzo(a)pyrene EPA Method 8270E		Hold
GRID-16-S1	JE1296-30	Benzo(a)pyrene EPA Method 8270E		
GRID-16-S2	JE1296-31	Benzo(a)pyrene EPA Method 8270E		Hold
GRID-16-E1	JE1296-32	Benzo(a)pyrene EPA Method 8270E		
GRID-16-E2	JE1296-33	Benzo(a)pyrene EPA Method 8270E		Hold
GRID-16-W1	JE1296-34	Benzo(a)pyrene EPA Method 8270E		
GRID-16-W2	JE1296-35	Benzo(a)pyrene EPA Method 8270E		Hold
DUP-2	JE1296-24	Benzo(a)pyrene EPA Method 8270E		Dup of primary sample GRID-16-E1
GRID-18R	JE1296-37R		TCL Pesticides	**Hold**
GRID-18R	JE1296-37		TCL Pesticides	**Analyzed**
GRID-18(2.0-2.5)	JE1296-38	Benzo(a)pyrene and Benzo(a) anthracene EPA Method 8270E		
GRID-18(2.5-3)	JE1296-39	Benzo(a)pyrene EPA Method 8270E		Hold

VALIDATION CHECKLIST SUMMARY
RIDGEWOOD SOIL GRID SAMPLING
BENZO(A)PYRENE / BENZO(A)ANTHRACENE (SVOCs) BY METHOD 8270E

REQUIREMENTS	REPORTED NO	REPORTED YES	PERFORMANCE ACCEPTABLE NO	PERFORMANCE ACCEPTABLE YES	DATA QUALIFIED - COMMENTS
GAS CHROMATOGRAPHY/ MASS SPECTROMETRY (GC/MS)					
1. Holding times		X		X	
2. Detection limits		X		X	
3. Blanks					
A. Laboratory Method Blanks		X		X	
B. Field Blanks		X		X	
4. Laboratory Control Sample (LCS) %R		X		X	
5. LCS Duplicate %R and (RPD)		X		X	Aqueous only
6. Matrix Spike (MS) %R		X		X	
7. MS Duplicate (MSD) %R and (RPD)		X		X	
8. Surrogate Recoveries (%R)		X	X		No, see notes
9. Field Duplicate Comparison		X		X	
10. Results Quantitation		X		X	

%R - percent recovery RPD - relative percent difference CCV – continuing calibration verification

COMMENTS: Performance was acceptable, with the following exceptions and/or notes.

1) Samples were collected on November 21, 2024. The initial soil samples (and aqueous field blank) were extracted on November 27, 2024 within the required 14-day holding time. SVOC analyses were performed by November 29, 2024 within the 40 day holding time after extraction. Sample GRID-28(2.5-3) was initially placed on hold, then identified for analysis. This sample was extracted on December 2, 2024 and analyzed on December 20, 2024. Extraction and analysis holding times were met.

2) No sample dilutions were required for analysis of Benzo(a)anthracene or Benzo(a)pyrene. No SVOCs were detected in soil samples at concentrations between the method detection limit (MDL) and the reporting limit (RL). Reporting limits are determined to be acceptable.

3) SGS provided results from one solid matrix method blank in support of the Benzo(a)anthracene or Benzo(a)pyrene analyses. No SVOCs were detected in the method blank. Results from an aqueous method blank were also provided with no SVOCs detected

Results from one aqueous field blank were provided. No Benzo(a)anthracene or Benzo(a)pyrene were detected in the field blank.

4-5) SGS provided results from one set of solid matrix laboratory control sample (LCS) analyses (identified as blank spike analyses) in support of the Benzo(a)anthracene and Benzo(a)pyrene analyses. LCS recoveries were within laboratory specified control limits, ranging from 61 to 66 percent. Accuracy, as demonstrated by these analyses is acceptable.

One set of aqueous LCS and LCS duplicate analyses were provided in support of the field blank. Precision and accuracy, as demonstrated by these analyses is acceptable.

6-7) SGS provided results from one set of project specific (spike on sample GRID-26(2.0-2.5) matrix spike (MS) and MSD duplicate analyses in support of the Benzo(a)anthracene and Benzo(a)pyrene analyses. MS and MSD recoveries ranged from 63 to 79 percent (control limits of 10 to 163 percent) with a maximum RPD between MS and MSD results of 17 percent. Precision and accuracy, as demonstrated by these analyses is acceptable.
.

8) Three surrogates were spiked into each soil sample in support of the Benzo(a)anthracene and Benzo(a)pyrene analyses. Surrogate recoveries ranged from 5 to 150 percent. Some surrogate recoveries were out of control, as follows:

Sample ID	Surrogate Recovery	Control	Action
GRID-28 E1	2-Fluorobiphenyl = 118%	109 %	None
	Terphenyl-d14 = 150%	120 %	None
GRID-16-N1	Nitrobenzene-d5 = 9%	10 %	None
GRID-16-W1	Nitrobenzene-d5 = 5%	10 %	None

For sample GRID-28 E1, there is no action, as the surrogate recoveries are high, and the associated target compounds were not detected in the sample. No bias to the sample results is indicated. For the low Nitrobenzene surrogate recoveries associated with samples from Grid-16, no action is taken, as this surrogate is not associated with the analysis of the two polyaromatic hydrocarbon target compounds.

9) Two sets of field duplicate samples were submitted in support of the SVOC analyses.

Sample DUP-1 was submitted as a blind field duplicate of primary sample GRID-28-E1
Sample DUP-2 was submitted as a blind field duplicate of primary sample GRID-16-E1.

Benzo(a)pyrene was not detected in either the primary or duplicate samples. Therefore, field duplicate precision is determined to be acceptable

10) Sample results were reported on a dry weight basis. No anomalies were noted with respect to results quantitation or reporting for the two target SVOC compounds.

VALIDATION CHECKLIST SUMMARY
RIDGEWOOD BERM SAMPLING

PESTICIDES BY METHOD 8081B

REQUIREMENTS	REPORTED NO	REPORTED YES	PERFORMANCE ACCEPTABLE NO	PERFORMANCE ACCEPTABLE YES	DATA QUALIFIED - COMMENTS
GAS CHROMATOGRAPHY					
1. Holding times		X		X	
2. Detection limits		X		X	Yes, see notes
3. Blanks					
A. Laboratory Method Blanks		X		X	
B. Field/Equipment Blanks		X		X	
4. Laboratory Control Sample (LCS) %R		X		X	
5. LCS Duplicate %R and (RPD)		X		X	Aqueous only
6. Matrix Spike (MS) %R		X	X		No, see notes
7. MS Duplicate (MSD) %R and (RPD)		X	X		No, see notes
8. Surrogate Recoveries (%R)		X	X		No, See Notes
9. DDT/Endrin Breakdown Check		X		X	
10. Field Duplicate Comparison	X			X	Not collected
11. Results Quantitation		X		X	Yes, See notes

%R - percent recovery RPD - relative percent difference CCV – continuing calibration verification

COMMENTS: Performance was acceptable, with the following exceptions and/or notes.

1) The soil samples for analysis of pesticides were extracted by December 3, 2024 within the required 14-day holding time. Pesticide analyses were performed by December 9, 2024 within the 40-day holding time after extraction.

2) No samples were analyzed at dilutions to quantify specific pesticides. Several pesticides were detected in soil samples at concentrations between the method detection limit (MDL) and the reporting limit. **Due to limited accuracy in this portion of the calibration range these pesticide results are qualified as J/Estimated, as follows:**

Sample ID	**Qualified Pesticides (ug/kg)**
GRID-26R	alpha-Chlordane = 0.12 *J*
GRID-26R	Chlordane = 0.12 *J*
GRID-26R	4,4'-DDD = 0.087 *J*
GRID-28R	Endosulfan-II = 0.23 *J*

3) SGS provided results from two full suite solid matrix method blanks in support of the pesticide analyses.

One aqueous field blank was analyzed with the initial report of soil samples. No pesticides were detected in the field blank.

4-5) SGS provided results from two full sets of solid matrix laboratory control sample (LCS) analyses (identified as blank spike analyses) in support of the pesticide analyses. All LCS recoveries were within laboratory specified control limits, ranging from 78 to 104 percent. Accuracy, as demonstrated by these analyses is acceptable. Some spike recoveries were reported from the 1st analytical signal, as precision for the secondary signal was poor.

LCS and LCS duplicate results were provided in support of the aqueous analyses (field blank) with acceptable precision and accuracy.

6-7) SGS provided results from two sets of batch specific matrix spike (MS) and MS duplicate analyses in support of the pesticide analyses. One batch spike was associated with sample GRID-26R only. The sample spike has elevated pesticide detections exceeding calibration ranges. MS and MSD recoveries for this spike ranged from 81 to 401 percent, with numerous high recoveries. This spike is not considered to be representative. The other batch spike had MS and MSD recoveries ranging from 65 to 114 percent. Precision and accuracy, as demonstrated by this spike, are acceptable. This spike is considered to be more representative of the project soil samples analyzed.

8) Two surrogates (tetrachloro-m-xylene and decachlorobiphenyl) were spiked into each soil sample in support of the solid matrix pesticide analyses. Surrogates were reported from each of the two columns used in the analyses. Surrogate recoveries ranged from 28 to 109 percent and were low for two samples as listed below:

Sample ID	Low DCBP % Rec
GRID-16R	Decachlorobiphenyl = 28 %
GRID-18R	Decachlorobiphenyl = 28 %

Recoveries for the decachlorobiphenyl surrogate were low by 1 percent from the first analytical signal for the two samples listed above. The surrogate recoveries from the second signal were acceptable. No pesticides were detected from either signal for the two samples listed above. Therefore no action is taken for the slightly low DCBP surrogate recoveries.

9) Several sets of DDT/Endrin breakdown check standards were analyzed coinciding with each analytical batch. DDT and Endrin breakdown levels were all less than the QAPP specific level of 15 percent.

10) Two sets of field duplicate samples were submitted in the initial sample submittal. These samples were not selected for field duplicate analysis of pesticides.

11) Sample results were reported on a dry weight basis. No anomalies were noted with respect to results pesticide quantitation or reporting, with the following exceptions. Some pesticides were flagged by SGS due to an RPD of more than 40% between the dual GC columns used for quantitation and confirmation. In many cases, the pesticides in question were also qualified as J/Estimated due to reporting limits. The following samples results and are qualified due to poor precision between pesticide detections on the dual columns.

Sample ID	Qualified pesticides (ug/Kg)
GRID-26R	alpha-Chlordane = 0.12 *J*
GRID-28R	alpha-Chlordane = 10.4 *J*
GRID-28R	Dieldrin = 1.3 *J*
GRID-28R	Endosulfan-II = 0.23 *J*
GRID-28R	Heptachlor epoxide = 1.8 *J*

RIDGEWOOD BERM SAMPLING
VALIDATION OF LABORATORY RESULTS
SGS LABORATORY (DAYTON, NJ)

LABORATORY REPORT # JE1296 DATED DECEMBER 5, 2024

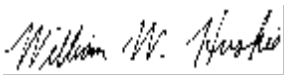
LABORATORY REPORTS # JE1296R and JE1296U DATED DECEMBER 12, 2024

Matrix New World Engineering (Matrix) collected 36 soil samples, two field duplicate samples, and one aqueous field blank on November 21, 2024. The sample results have been validated in accordance with the Project QAPP requirements, guidance from the National Functional Guidelines for Organic data Review, and professional judgment of the data reviewer.

The QC information evaluated has been described in the preceding pages. Based on this review, data provided for the soil samples collected are determined to be quantitative, with the exceptions noted in the following table.

Sample Identification(s) / Analyte(s)	Data Qualifier(s)	Reason(s) For Qualification
Pesticides GRID-26R / alpha-Chlordane, Chlordane, 4,4'-DDD GRID-28R / Endosulfan-II	J/Estimated	These pesticides were reported at concentrations between the method detection limit and the reporting limit. Accuracy in this portion of the calibration curve may be limited.
Pesticides GRID-26R / alpha-Chlordane GRID-28R / alpha-Chlordane, Dieldrin, Endosulfan-II, and Heptachlor epoxide	J/Estimated	More than 40% difference between the dual GC columns used for quantitation and confirmation.

VALIDATION PERFORMED BY: William W. Huskie, Consulting Geochemist

SIGNATURE: 

DATE: February 1, 2025

RIDGEWOOD BERM SAMPLING
VALIDATION OF LABORATORY RESULTS
SGS LABORATORY (DAYTON, NJ)

LABORATORY REPORT # JE1300 DATED JANUARY 9, 2025

LABORATORY REPORTS # JE1300R DECEMBER 9, 2024

INTRODUCTION

Matrix New World Engineering (Matrix) collected 48 soil samples, two field duplicate samples, and one aqueous field blank on November 22, 2024. Samples were relinquished to an SGS Laboratory courier, and then transported to SGS Laboratory, located in Dayton, New Jersey. Samples were received at SGS on November 22, 2024 at an acceptable temperature of 1.7 degrees Celsius. Sample identifications and requested analyses are listed below. Several samples were placed on hold, pending the results of the initial analyses. If the hold analyses were performed, these analyses are noted in **bold** in the following table, discussed in the following pages, and are validated as applicable.

Matrix Sample ID	Lab Sample ID	Analyses Requested and Methods		Initial Status / Comment
GRID-18-N1	JE1300-1	Benzo(a)pyrene / Benzo(a)pyrene EPA Method 8270E		
GRID-18-N2	JE1300-2	Benzo(a)pyrene / Benzo(a)pyrene EPA Method 8270E		Hold
GRID-18-S1	JE1300-3	Benzo(a)pyrene / Benzo(a)pyrene EPA Method 8270E		
GRID-18-S2	JE1300-4	Benzo(a)pyrene / Benzo(a)pyrene EPA Method 8270E		Hold
GRID-18-E1	JE1300-5	Benzo(a)pyrene / Benzo(a)pyrene EPA Method 8270E		
GRID-18-E2	JE1300-6	Benzo(a)pyrene / Benzo(a)pyrene EPA Method 8270E		Hold
GRID-18-W1	JE1300-7	Benzo(a)pyrene / Benzo(a)pyrene EPA Method 8270E		
GRID-18-W2	JE1300-8	Benzo(a)pyrene / Benzo(a)pyrene EPA Method 8270E		Hold
GRID-4R	JE1300-9		TCL Pesticides	**Hold**
GRID-4R	JE1300-9T		TCL Pesticides	**Analyzed**
GRID-4 (2.0-2.5)	JE1300-10	Benzo(a)pyrene EPA Method 8270E		
GRID-4 (2.0-2.5)	JE1300-10R	Benzo(a)pyrene EPA Method 8270E	TCL Pesticides	
GRID-4 (2.5-3.0)	JE1300-11	Benzo(a)pyrene EPA Method 8270E		Hold
GRID-4-N1	JE1300-12	Benzo(a)pyrene EPA Method 8270E		
GRID-4-N2	JE1300-13	Benzo(a)pyrene EPA Method 8270E		Hold
GRID-4-S1	JE1300-14	Benzo(a)pyrene EPA Method 8270E		
GRID-4-S2	JE1300-15	Benzo(a)pyrene EPA Method 8270E		Hold
GRID-4-E1	JE1300-16	Benzo(a)pyrene EPA Method 8270E		
GRID-4-E2	JE1300-17	Benzo(a)pyrene EPA Method 8270E		Hold
GRID-4-W1	JE1300-18	Benzo(a)pyrene EPA Method 8270E		
GRID-4-W2	JE1300-19	Benzo(a)pyrene EPA Method 8270E		Hold
DUP-3	JE1300-20	Benzo(a)pyrene EPA Method 8270E		Duplicate of primary sample GRID-4-E1

Matrix Sample ID	Lab Sample ID	Analyses Requested and Methods		Initial Status / Comment
GRID-11R	JE1300-21		TCL Pesticides	**Hold**
GRID-11R	JE1300-21R		TCL Pesticides	**Analyzed**
GRID-11 (2.0-2.5)	JE1300-22	Benzo(a)pyrene EPA Method 8270E		
GRID-11 (2.5-3.0)	JE1300-23	Benzo(a)pyrene EPA Method 8270E		**Hold**
GRID-11 (2.5-3.0)	JE1300-23A	Benzo(a)pyrene EPA Method 8270E		**Analyzed**
GRID-11-N1	JE1300-24	Benzo(a)pyrene EPA Method 8270E		
GRID-11-N2	JE1300-25	Benzo(a)pyrene EPA Method 8270E		**Hold**
GRID-11-N2	JE1300-25A	Benzo(a)pyrene EPA Method 8270E		**Analyzed**
GRID-11-S1	JE1300-26	Benzo(a)pyrene EPA Method 8270E		
GRID-11-S2	JE1300-27	Benzo(a)pyrene EPA Method 8270E		**Hold**
GRID-11-S2	JE1300-27A	Benzo(a)pyrene EPA Method 8270E		**Analyzed**
GRID-11-E1	JE1300-28	Benzo(a)pyrene EPA Method 8270E		
GRID-11-E2	JE1300-29	Benzo(a)pyrene EPA Method 8270E		Hold
GRID-11-W1	JE1300-30	Benzo(a)pyrene EPA Method 8270E		
GRID-11-W2	JE1300-31	Benzo(a)pyrene EPA Method 8270E		Hold
GRID-10R	JE1300-32		TCL Pesticides	**Hold**
GRID-10R	JE1300-32R		TCL Pesticides	**Analyzed**
GRID-10A (2.0-2.5)	JE1300-33	BAP Method 8270E / Hg by 7471B		
GRID-10A (2.5-3.0)	JE1300-34	BAP Method 8270E / Hg by 7471B		Hold
GRID-10A-N1	JE1300-35	BAP Method 8270E / Hg by 7471B		
GRID-10A-N2	JE1300-36	BAP Method 8270E / Hg by 7471B		**Hold**
GRID-10A-N2	JE1300-36A	BAP Method 8270E / Hg by 7471B		**Analyzed**
GRID-10A-S1	JE1300-37	BAP Method 8270E / Hg by 7471B		
GRID-10A-S2	JE1300-38	BAP Method 8270E / Hg by 7471B		**Hold**
GRID-10A-S2	JE1300-38U	BAP Method 8270E / Hg by 7471B		**Analyzed for mercury**
GRID-10-E1	JE1300-39	BAP Method 8270E / Hg by 7470A		
GRID-10-E2	JE1300-40	BAP Method 8270E / Hg by 7470A		Hold
GRID-10-W1	JE1300-41	BAP Method 8270E / Hg by 7470A		
GRID-10-W2	JE1300-42	BAP Method 8270E / Hg by 7470A		Hold
DUP-5	JE1300-43	BAP Method 8270E / Hg by 7470A		Duplicate of primary GRID-10A-S1
GRID-21R	JE1300-44		TCL Pesticides	**Hold**
GRID-21R	JE1300-44R		TCL Pesticides	**Analyzed**
GRID-21(2.0-2.5)	JE1300-45	Benzo(a)pyrene EPA Method 8270E		
GRID-21(2.5-3)	JE1300-46	Benzo(a)pyrene EPA Method 8270E		Hold
GRID-21-N1	JE1300-47	Benzo(a)pyrene EPA Method 8270E		
GRID-21-N2	JE1300-48	Benzo(a)pyrene EPA Method 8270E		**Hold**
GRID-21-N2	JE1300-48A	Benzo(a)pyrene EPA Method 8270E		**Analyzed**
GRID-28-E1	JE1300-49	Benzo(a)pyrene EPA Method 8270E		
GRID-28-E2	JE1300-50	Benzo(a)pyrene EPA Method 8270E		Hold
FB-2	JE1300-51	TCL and TAL +30 list Methods		Field Blank

BAP = Benzon(a)pyrene TCL = Target Compound List TAL = Target Analyte List
Hg = Mercury

VALIDATION CHECKLIST SUMMARY
RIDGEWOOD SOIL GRID SAMPLING
BENZO(A)PYRENE / BENZO(A)ANTHRACENE (SVOCs) BY METHOD 8270E

REQUIREMENTS	REPORTED NO	REPORTED YES	PERFORMANCE ACCEPTABLE NO	PERFORMANCE ACCEPTABLE YES	DATA QUALIFIED - COMMENTS
GAS CHROMATOGRAPHY/ MASS SPECTROMETRY (GC/MS)					
1. Holding times		X		X	
2. Detection limits		X		X	Yes, see notes
3. Blanks					
A. Laboratory Method Blanks		X		X	
B. Field Blanks		X		X	
4. Laboratory Control Sample (LCS) %R		X		X	
5. LCS Duplicate %R and (RPD)		X		X	Aqueous only
6. Matrix Spike (MS) %R		X		X	
7. MS Duplicate (MSD) %R and (RPD)		X		X	
8. Surrogate Recoveries (%R)		X		X	
9. Field Duplicate Comparison		X	X		Yes
10. Results Quantitation		X		X	

%R - percent recovery RPD - relative percent difference CCV – continuing calibration verification

COMMENTS: Performance was acceptable, with the following exceptions and/or notes.

1) Samples were collected on November 22, 2024. The initial soil samples were extracted on December 4, 2024. The aqueous field blank was extracted on November 27, 2024. All samples were extracted within the required 14-day holding time. SVOC analyses were performed by December 10, 2024 within the 40 day holding time after extraction. The following samples were initially placed on hold or were designated for additional analyses. These were then identified for analysis and were reported in Pace report JE1300R.

   GRID-11(2.5-3) GRID-11-N2 GRID-11-S2 GRID-10A-N2 GRID-21-N2.

   Extraction and analysis holding times were met.

2) No sample dilutions were required for analysis of Benzo(a)anthracene or Benzo(a)pyrene. Benzo(a)pyrene was detected in one soil sample at a concentration between the method detection limit (MDL) and the reporting limit (RL). **Due to limited accuracy in this portion of the calibration range, this sample result is qualified as follows:**

Sample ID	Qualified Result (ug/Kg)
GRID-4-N1	Benzo(a)pyrene = 32.9 *J*

All other reporting limits are determined to be acceptable.

3) SGS provided results from three solid matrix method blanks in support of the Benzo(a)anthracene or Benzo(a)pyrene analyses. No SVOCs were detected in the method blanks. Results from an aqueous method blank were also provided, with no SVOCs detected

Results from one aqueous field blank were provided. No Benzo(a)anthracene or Benzo(a)pyrene were detected in the field blank.

4-5) SGS provided results from three sets of solid matrix laboratory control sample (LCS) analyses (identified as blank spike analyses) in support of the Benzo(a)anthracene and Benzo(a)pyrene analyses. LCS recoveries were within laboratory specified control limits, ranging from 61 to 80 percent. Accuracy, as demonstrated by these analyses is acceptable.

One set of aqueous LCS and LCS duplicate analyses were provided in support of the field blank. Precision and accuracy, as demonstrated by these analyses is acceptable.

6-7) SGS provided results from three sets of project specific (spike on samples GRID-11(2.5-3.0), GRID-18-N1, and GRID-21(2.0-2.5) matrix spike (MS) and MSD duplicate analyses in support of the Benzo(a)anthracene and/or Benzo(a)pyrene analyses. MS and MSD recoveries ranged from 54 to 76 percent (control limits of 10 to 163 percent) with a maximum RPD between MS and MSD results of 21 percent. Precision and accuracy, as demonstrated by these analyses is acceptable.
.

8) Three surrogates were spiked into each soil sample in support of the analyses Benzo(a)anthracene and Benzo(a)pyrene. Surrogate recoveries ranged from 30 to 83 percent. And were within prescribed control limits

9) Two sets of field duplicate samples were submitted in support of the SVOC analyses.

Sample DUP-3 was submitted as a blind field duplicate of primary sample GRID-4-E1
Sample DUP-5 was submitted as a blind field duplicate of primary sample GRID-10A-S1.
Results of the field duplicate sampling are presented below for any benzo(a)anthracene or benzo(a)pyrene detected. All results are in presented in units of ug/Kg.

Sample ID	Benzo(a)pyrene
DUP-003	83.4
GRID-4-E1	39.2
RPD (%)	**72**

Sample ID	Benzo(a)pyrene
DUP-005	148
GRID-10A-S1	99.5
RPD (%)	39

Soil sample field duplicate precision is evaluated based on an acceptable RPD of 50 percent or less. Based on this criteria, field duplicate precision is poor for Benzo(a)pyrene in the DUP-003/GRID-4-E1 pair. These benzo(a)pyrene results are qualified as J/Estimated.

10) All results were reported on a dry weight basis. No anomalies were noted with respect to results quantitation or reporting for the two target SVOC compounds.

VALIDATION CHECKLIST SUMMARY
RIDGEWOOD BERM SAMPLING

PESTICIDES BY METHOD 8081B

REQUIREMENTS	REPORTED NO	REPORTED YES	PERFORMANCE ACCEPTABLE NO	PERFORMANCE ACCEPTABLE YES	DATA QUALIFIED - COMMENTS
GAS CHROMATOGRAPHY					
1. Holding times		X	X		Yes, See notes
2. Detection limits		X		X	Yes, see notes
3. Blanks					
A. Laboratory Method Blanks		X		X	
B. Field/Equipment Blanks		X		X	
4. Laboratory Control Sample (LCS) %R		X		X	
5. LCS Duplicate %R and (RPD)		X		X	Aqueous only
6. Matrix Spike (MS) %R		X	X		Yes, see notes
7. MS Duplicate (MSD) %R and (RPD)		X	X		Yes, see notes
8. Surrogate Recoveries (%R)		X	X		No, see notes
9. DDT/Endrin Breakdown Check		X		X	
10. Field Duplicate Comparison	X			X	Not collected
11. Results Quantitation		X		X	Yes, See notes

%R - percent recovery RPD - relative percent difference CCV – continuing calibration verification

COMMENTS: Performance was acceptable, with the following exceptions and/or notes.

1) Samples were collected on November 22, 2024. The soil samples for analysis of pesticides were extracted by December 2, 2024 within the required 14-day holding time, with one exception. Sample GRID-4R was extracted on December 9, 2024, past the 14 day holding, for a dilution analysis**. Due to the missed exaction time, results for the diluted pesticides are qualified as**

J/Estimated (see below). Pesticide analyses were performed by December 26, 2024 within the 40-day holding time after extraction.

2) Sample GRID-4R was diluted by a factor of 5 times (**past extraction hold time**) to quantify alpha-chlordane, chlordane, and heptachlor epoxide**. Result for these pesticides are qualified.**

No other samples were analyzed at dilutions to quantify specific pesticides. Several pesticides were detected in soil samples at concentrations between the method detection limit (MDL) and the reporting limit. **Due to limited accuracy in this portion of the calibration range these pesticide results are qualified as J/Estimated, as follows:**

Sample ID	**Qualified Pesticides (ug/kg)**
GRID-4R	Heptachlor = 0.12 *J*
GRID-4(2.0-2.5)	4,4'-DDD = 0.15 *J*
GRID-4(2.0-2.5)	Methoxychlor = 0.033 *J*
GRID-11R	Heptachlor epoxide = 0.14 *J*
GRID-10R	Dieldrin = 0.26 *J*
GRID-10R	Heptachlor epoxide = 0.22 *J*
GRID-21R	Endosulfan-II = 0.23 *J*
GRID-21R	Methoxychlor = 0.26 *J*

3) SGS provided results from two full suite solid matrix method blanks in support of the pesticide analyses.

One aqueous field blank was analyzed with the initial report of soil samples. No pesticides were detected in the field blank.

4-5) SGS provided results from one full set of solid matrix laboratory control sample (LCS) analyses (identified as blank spike analyses) in support of the pesticide analyses. All LCS recoveries were within laboratory specified control limits, ranging from 78 to 104 percent. Accuracy, as demonstrated by these analyses is acceptable.

LCS and LCS duplicate results were provided in support of the aqueous analyses (field blank) with acceptable precision and accuracy.

6-7) SGS provided results from two sets of project specific matrix spike (MS) and MS duplicate analyses in support of the pesticide analyses (spikes on project samples GRID-4R and GRID-11R).

The spike of sample GRID-4R was performed on the undiluted sample. Form 1 quantitation of sample GRID-4R used diluted results for some pesticides. MS and MSD recoveries ranged from 83 to 401 percent. The maximum RPD between MS and MSD results was acceptable at 20 percent. **MS or MSD recoveries for non-diluted pesticides were high for gamma chlordane, 4,4-DDE, 4,4-DDT, and Endosulfan I**. For 4,4-DDE, the native sample concentration was more than 4 times higher than the spike added amount, and the spike recovery is not considered as representative. **For the remaining pesticides listed in bold, results may be biased, and are qualified as J/Estimated for sample GRID-4R.**

For the spike of sample GRID-11R, MS and MSD recoveries ranged from 52 to 822 percent. MS and/or MSD recoveries were high for alpha-Chlordane, gamma-Chlordane, Chlordane, 4,4-DDD, 4,4-DDT, 44-DDD, endosulfan I, and heptachlor epoxide. The maximum RPD between MS and MSD results was acceptable at 20 percent. **Pesticides with the high MS/MSD recoveries are qualified as J/Estimated for sample GRID-11R due to potential bias.**

8) Two surrogates (tetrachloro-m-xylene and decachlorobiphenyl) were spiked into each soil sample in support of the solid matrix pesticide analyses. Surrogates were reported from each of the two columns used in the analyses. Surrogate recoveries ranged from 31 to 237 percent and were with laboratory prescribed control limits. Surrogate recoveries were high associated with the three pesticides in sample GRID-4R that were analyzed at dilutions. No action is taken for the high surrogate recoveries reported from the dilution analyses, as these surrogates may be impacted by the dilutions.

9) Several sets of DDT/Endrin breakdown check standards were analyzed coinciding with each analytical batch. DDT and Endrin breakdown levels were all less than the QAPP specific level of 15 percent.

10) Two sets of field duplicate samples were submitted in the initial sample submittal. These samples were not selected for field duplicate analysis of pesticides.

11) All results were reported on a dry weight basis. No anomalies were noted with respect to results pesticide quantitation or reporting, with the following exceptions. Some pesticides were flagged by SGS due to an RPD of more than 40% between the dual GC columns used for quantitation and confirmation. In many cases, the pesticides in question were also qualified as J/Estimated due to reporting limits. The following samples results and are qualified due to poor precision between pesticide detections on the dual columns.

Sample ID	Qualified pesticides (ug/Kg)
GRID-11R	4,4-DDT = 0.44 *J*
GRID-11R	Endosulfan-II = 0.42 *J*
GRID-11R	Heptachlor epoxide = 0.14 *J*
GRID-11R	Methoxychlor = 1.1 *J*
GRID-10R	Heptachlor epoxide = 0.22 *J*
GRID-21R	Dieldrin = 0.61
GRID-21R	4,4-DDD = 0.70 *J*
GRID-21R	Endrin = 0.63 *J*
GRID-21R	Endosulfan-II = 0.23 *J*
GRID-21R	Heptachlor epoxide = 0.49 *J*
GRID-21R	Methoxychlor = 0.26 *J*

VALIDATION CHECKLIST SUMMARY
RIDGEWOOD BERM SOIL SAMPLING

MERCURY BY EPA METHOD 7471B

REQUIREMENTS	REPORTED / EVALUATED NO	REPORTED / EVALUATED YES	PERFORMANCE ACCEPTABLE NO	PERFORMANCE ACCEPTABLE YES	DATA QUALIFIED - COMMENTS
COLD VAPOR AA					
1. Holding times / Preservation		X		X	
2. Detection limits / Dilutions		X		X	
3. Blanks					
A. Calibration Blanks		X		X	
B. Method Blanks		X		X	
C. Field blanks		X		X	
4. Initial and Continuing Calibration %R		X		X	
5. Interference check sample recoveries	X			X	NA
6. Matrix Spike (MS) %R		X		X	
7. MS Duplicate (MSD) %R and RPD		X	X		No, see notes
8. LCS and LCSD %R and RPD		X		X	LCS only
9. Serial Dilution Analyses	X			X	NA
10. Field/Lab Duplicate Comparison (RPD)		X		X	
11. Results Quantitation		X		X	

%R - percent recovery RPD - relative percent difference

COMMENTS: Performance was acceptable, with the following exceptions and/or notes:

1) Samples were collected on November 22, 2024. The soil samples for analysis of mercury were analyzed within the 28-day holding time by December 6, 2024. Extraction and analysis holding times were met.

2) Mercury was reported from a two times dilution for sample GRID-10A-S2. No other mercury analyses were performed at dilutions. All mercury results were reported to RL. No mercury detections were reported at concentrations between the MDL and RL. Reporting limits are determined to be acceptable.

3) Results from numerous sets of initial and continuing calibration blanks were provided in support of the mercury analyses. Results for these blanks were presented in aqueous units. No mercury was detected at concentrations exceeding the RL. Results from one set of solid matrix method blanks were also provided, with no metals detected at concentrations exceeding the RL.

Result from an aqueous field blank were provided, with no mercury detected.

4) Results from several sets of initial and continuing calibration analyses were provided for the mercury metals. All ICV and CCV standard recoveries were within control limits of 90-110 percent. Low level ICVs results were provide with acceptable recoveries between 70-130 percent.

5) ICP interference check samples are not applicable to mercury.

6-7) SGS provided results from one set of solid matrix batch specific matrix spike (MS) and MSD duplicate analyses in support of the mercury analyses. MS and MSD recoveries ranged from 116.1 to 116.7 percent, with an RPD of 0 percent between spike results. Precision and accuracy, as demonstrated by these analyses is acceptable. Another project spike was performed on sample GRID-21R with recoveries of 82.3 to 120.3 percent. The upper control limit of 120 is slightly exceeded in the project spike. No action is taken for the small spike exceedance.

8) SGS provided results from one set of solid matrix LCS analyses in support of the mercury soil samples. The LCS recovery was acceptable at 99 percent (control limits of 80-120 percent).

9) Serial dilution analysis in not applicable to mercury.

10) Sample DUP-5 was submitted as a blind field duplicate of primary sample GRID-4-E1

Results of the field duplicate sampling are presented below. All results are in presented in units of ug/Kg.

Sample ID	Mercury
DUP-005	240
GRID-10A-S1	310
RPD (%)	25.5

Field duplicate precision is determined to be acceptable, within an RPD of 25,5 percent between mercury detections.

11) No anomalies were noted with respect to the mercury reporting. All results were reported on a dry weight basis.

RIDGEWOOD BERM SAMPLING
VALIDATION OF LABORATORY RESULTS
SGS LABORATORY (DAYTON, NJ)

LABORATORY REPORT # JE1300 DATED JANUARY 9, 2025

LABORATORY REPORTS # JE1300R DECEMBER 9, 2024

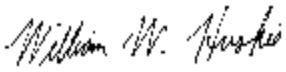
Matrix New World Engineering (Matrix) collected 48 soil samples, two field duplicate samples, and one aqueous field blank on November 22, 2024. The sample results have been validated in accordance with the Project QAPP requirements, guidance from the National Functional Guidelines for Organic and Inorganic data Review, and professional judgment of the data reviewer.

The QC information evaluated has been described in the preceding pages. Based on this review, data provided for the soil samples collected are determined to be quantitative, with the exceptions noted in the following table.

Sample Identification(s) / Analyte(s)	Data Qualifier(s)	Reason(s) For Qualification
SVOCs GRID-4-N1 / Benzo(a)pyrene	J/Estimated	Benzo(a)pyrene was reported at a concentration between the method detection limit and the reporting limit. Accuracy in this portion of the calibration curve may be limited.
SVOCs DUP-003 and GRID-4-E1 / Benzo(a)pyrene	J/Estimated	Poor field duplicate precision. RPD exceeds 50%.
Pesticides GRID-4R / alpha-chlordane, chlordane, and heptachlor epoxide	J/Estimated	These pesticides were extracted past allowable holding times. Sample results may be biased and are qualified as J/Estimated.
Pesticides GRID-4R /Heptachlor GRID-4(2.0-2.5) 4,4'-DDD and Methoxychlor GRID-11R / Heptachlor epoxide GRID-10R / Dieldrin and Heptachlor epoxide GRID-21R / Endosulfan and Methoxychlor	J/Estimated	These pesticides were reported at concentrations between the method detection limit and the reporting limit. Accuracy in this portion of the calibration curve may be limited.

Sample Identification(s) / Analyte(s)	Data Qualifier(s)	Reason(s) For Qualification
Pesticides GRID-11R / 4,4-DDT,Endosulfan-II, Heptachlor epoxide , Methoxychlor GRID-10R / Heptachlor epoxide GRID-21R / Dieldrin, 4,4-DDD, Endrin, Endosulfan-II, Heptachlor epoxide, Methoxychlor	J/Estimated	More than 40% difference between the dual GC columns used for quantitation and confirmation.
Pesticides GRID-4R/ gamma chlordane, 4,4-DDT, and Endosulfan I GRID-11R/ alpha-Chlordane, gamma-Chlordane, Chlordane, 4,4-DDD, 4,4-DDT, 44-DDD, endosulfan I, and heptachlor epoxide	J/Estimated	MS and MSD recoveries for these pesticides are high in the project specific spikes. Many factors may contribute to the high spike recoveries, including the presence of high concentration pesticides in the samples spiked. The direction of bias to the pesticides listed is not certain.

VALIDATION PERFORMED BY: William W. Huskie, Consulting Geochemist

SIGNATURE: 

DATE: January 31, 2025

RIDGEWOOD BERM SAMPLING
VALIDATION OF LABORATORY RESULTS
SGS LABORATORY (DAYTON, NJ)

LABORATORY REPORT # JE1534 DATED DECEMBER 19, 2024

INTRODUCTION

Matrix New World Engineering (Matrix) collected eight soil samples on November 26, 2024. Samples were relinquished to an SGS Laboratory courier, and then transported to SGS Laboratory, located in Dayton, New Jersey. Samples were received at SGS on November 26, 2024 at an acceptable temperature of 2.9 degrees Celsius. Sample identifications and requested analyses are listed below.

Matrix Sample IDs	Laboratory Sample IDs	Analyses Requested and Methods
GRID-1	JE1534 -1	TCL VOCs – EPA Method 8260D
GRID-2	JE1534 -2	
GRID-5	JE1534 -3	
GRID-6	JE1534 -4	
GRID-17	JE1534 -5	
GRID-19	JE1534 -6	
GRID-25	JE1534 -7	
FB-3	JE1534-8	TCL VOCs – EPA Method 8260D TCL SVOCs – EPA Method 8270E TCL Pesticides – EPA Method 8081B PCBs (Aroclors) – EPA Method 8082A TAL Metals – EPA Method 6010D and 7471B (Mercury) Cyanide - EPA Method 9012B

TAL = Target Analyte List
SVOC = Semi-Volatile Organic Compounds
PCBs = Polychlorinated Biphenyls
TCL = Target Compound List
VOCs = Volatile Organic Compounds

Quality Control for the soil samples is evaluated in the following checklist tables and comments. A summary of data quality for the samples analyzed is provided at the end of this validation report.

VALIDATION CHECKLIST SUMMARY
RIDGEWOOD BERM SOIL SAMPLING

VOCs BY METHOD 8260D

REQUIREMENTS	REPORTED NO	REPORTED YES	PERFORMANCE ACCEPTABLE NO	PERFORMANCE ACCEPTABLE YES	DATA QUALIFIED - COMMENTS
GAS CHROMATOGRAPHY/ MASS SPECTROMETRY (GC/MS)					
1. Holding times		X		X	
2. Detection limits		X		X	
3. Blanks					
A. Laboratory Method Blanks		X		X	
B. Field Blanks		X		X	
4. Laboratory Control Sample (LCS) %R		X		X	
5. LCS Duplicate %R and (RPD)	X			X	
6. Matrix Spike (MS) %R		X	X		No, See notes
7. MS Duplicate (MSD) %R and (RPD)	X			X	
8. Surrogate Recoveries (%R)		X		X	
9. Field/Lab Duplicate Comparison		X	X		No, Lab only, see notes
10. Results Quantitation		X		X	No, See notes

%R - percent recovery RPD - relative percent difference
CCV – continuing calibration verification

COMMENTS: Performance was acceptable, with the following exceptions and/or notes.

1) Samples were collected on November 26, 2024. The soil samples were extracted on November 27, 2024 and were analyzed on December 2, 2024, within the required 14-day holding time. Analysis holding times were met.

2) No sample dilutions were required for analysis of VOCs. No VOCs were detected in any of the soil samples.

3) SGS provided results from two full suite solid matrix method blanks in support of the VOC analyses. No VOCs were detected in the method blanks. Results from one aqueous method blank were also provided with no VOCs detected. Results from one field bank were provided with no VOCs detected.

4-5) SGS provided results from two full suite solid matrix laboratory control sample (LCS) analyses (identified as blank spike analyses) in support of the VOC analyses. All LCS recoveries were within laboratory specified control limits, ranging from 68 to 122 percent (various control limits). Accuracy, as demonstrated by these analyses is acceptable.

6-7) SGS provided results from two sets of solid matrix batch specific matrix spike (MS) analyses in support of the VOC analyses. MS recoveries ranged from 41 to 120 percent (various control limits). All MS recoveries were in control with the following exceptions. MS recoveries associated with samples GRID-1 and GRID-2 were low for the following VOCs by 1 to 7 percent;

1,1,2,2-Tetrachloroethane, cis-1,3-Dichloropropene, and trans-1,3-Dichloropropene

No action is taken for the minimally low recoveries reported in the batch spike.

8) Four surrogates were spiked into each soil sample in support of the VOC analyses. Surrogate recoveries were acceptable, ranging from 88 to 104 percent (various control limits). Accuracy, as demonstrated by these analyses is acceptable.

9) Field duplicate samples were not collected with the samples under this chain of custody.

A laboratory duplicate analysis was performed on another client's sample. Precision was poor for 2-butanone with an RPD of 50 percent (upper control of 15 percent). No action is taken, as the butanone detections were within a reporting limit RL increment of each other.

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10) Results were reported on a dry weight basis. Tentatively Identified Compounds (TICs) were evaluated for each sample with no compounds identified. It was noted that the CCV for dichlorodifluoromethane associated with VOC samples GRID-1 and GRID-2 was low. Similarly, the CCV for acetone associated with the remaining VOC samples was low. SGS noted that a sensitivity check was analyzed to demonstrate system suitability to detect dichlorodifluoromethane and acetone in the associated samples. Therefore no action is taken.

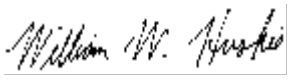
RIDGEWOOD BERM SAMPLING
VALIDATION OF LABORATORY RESULTS
SGS LABORATORY (DAYTON, NJ)

LABORATORY REPORT # JE1534 DATED DECEMBER 19, 2024

Matrix New World Engineering (Matrix) collected eight soil samples on November 26, 2024. The sample results have been validated in accordance with the Project QAPP requirements, guidance from the National Functional Guidelines for Organic data Review, and professional judgment of the data reviewer.

The QC information evaluated has been described in the preceding pages. Based on this review, data provided for the soil samples collected are determined to be quantitative, with no data qualifications required.

VALIDATION PERFORMED BY: William W. Huskie, Consulting Geochemist

SIGNATURE: 

DATE: February 2, 2025

RIDGEWOOD BERM SAMPLING
VALIDATION OF LABORATORY RESULTS
SGS LABORATORY (DAYTON, NJ)

LABORATORY REPORT # JE1536 DATED DECEMBER 23, 2024

INTRODUCTION

Matrix New World Engineering (Matrix) collected eight soil samples on November 26, 2024. Samples were relinquished to an SGS Laboratory courier, and then transported to SGS Laboratory, located in Dayton, New Jersey. Samples were received at SGS on November 26, 2024 at an acceptable temperature of 2.9 degrees Celsius. Sample identifications and requested analyses are listed below.

Matrix Sample IDs	Laboratory Sample IDs	Analyses Requested and Methods
GRID-29	JE1536-1	TCL VOCs – EPA Method 8260D TCL SVOCs – EPA Method 8270E TCL Pesticides – EPA Method 8081B PCBs (Aroclors) – EPA Method 8082A TAL Metals – EPA Method 6010D and 7471B (Mercury) Cyanide - EPA Method 9012B
GRID-30	JE1536-2	
GRID-31	JE1536-3	
GRID-32	JE1536-4	
GRID-33	JE1536-5	
GRID-34	JE1536-6	
GRID-35	JE1536-7	
GRID-36	JE1536-8	

TAL = Target Analyte List
SVOC = Semi-Volatile Organic Compounds
PCBs = Polychlorinated Biphenyls
TCL = Target Compound List
VOCs = Volatile Organic Compounds

Quality Control for the soil samples is evaluated in the following checklist tables and comments. A summary of data quality for the samples analyzed is provided at the end of this validation report.

VALIDATION CHECKLIST SUMMARY
RIDGEWOOD BERM SOIL SAMPLING

VOCs BY METHOD 8260D

REQUIREMENTS	REPORTED NO	REPORTED YES	PERFORMANCE ACCEPTABLE NO	PERFORMANCE ACCEPTABLE YES	DATA QUALIFIED - COMMENTS
GAS CHROMATOGRAPHY/ MASS SPECTROMETRY (GC/MS)					
1. Holding times		X		X	
2. Detection limits		X		X	
3. Blanks					
A. Laboratory Method Blanks		X		X	
B. Field Blanks	X			X	
4. Laboratory Control Sample (LCS) %R		X		X	
5. LCS Duplicate %R and (RPD)	X			X	
6. Matrix Spike (MS) %R		X	X		No, See notes
7. MS Duplicate (MSD) %R and (RPD)	X			X	
8. Surrogate Recoveries (%R)		X		X	
9. Field Duplicate Comparison		X	X		No, Lab only, see notes
10. Results Quantitation		X		X	No, See notes

%R - percent recovery RPD - relative percent difference CCV – continuing calibration verification

COMMENTS: Performance was acceptable, with the following exceptions and/or notes.

1) Samples were collected on November 26, 2024. The soil samples were extracted on November 27, 2024 and were analyzed on December 2, 2024, within the required 14-day holding time. Analysis holding times were met.

2) No sample dilutions were required for analysis of VOCs. No VOCs were detected in any of the soil samples.

3) SGS provided results from one full suite solid matrix method blank in support of the VOC analyses. No VOCs were detected in the method blank.

4-5) SGS provided results from one full suite solid matrix laboratory control sample (LCS) analyses (identified as blank spike analyses) in support of the VOC analyses. All LCS recoveries were within laboratory specified control limits, ranging from 82 to 122 percent (various control limits). Accuracy, as demonstrated by these analyses is acceptable.

6-7) SGS provided results from one set of batch specific matrix spike (MS) analyses in support of the VOC analyses. MS recoveries ranged from 41 to 120 percent

(various control limits). All MS recoveries were in control with the following exceptions. MS recoveries were low or the following VOCs by 1 to 7 percent;

1,1,2,2-Tetrachloroethane, cis-1,3-Dichloropropene, and trans-1,3-Dichloropropene

No action is taken for the minimally low recoveries reported in the batch spike.

8) Four surrogates were spiked into each soil sample in support of the VOC analyses. Surrogate recoveries were acceptable, ranging from 87 to 107 percent (various control limits). Accuracy, as demonstrated by these analyses is acceptable.

9) Field duplicate samples were not collected with the samples under this chain of custody.

A laboratory duplicate analysis was performed on another client's sample. Precision was poor for 2-butanone with an RPD of 50 percent (upper control of 15 percent). No action is taken, as the butanone detections were within a reporting limit increment of each other.

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10) Results were reported on a dry weight basis. Tentatively Identified Compounds (TICs) were evaluated for each sample with no compounds identified. It was noted that the CCV for Dichlorodifluoromethane associated with all VOC samples was low. SGS noted that a sensitivity check was analyzed to demonstrate system suitability to detect Dichlorodifluoromethane. Therefore no action is taken.

VALIDATION CHECKLIST SUMMARY
RIDGEWOOD BERM SOIL SAMPLING

SVOCs BY METHOD 8270E

REQUIREMENTS	REPORTED NO	REPORTED YES	PERFORMANCE ACCEPTABLE NO	PERFORMANCE ACCEPTABLE YES	DATA QUALIFIED - COMMENTS
GAS CHROMATOGRAPHY/ MASS SPECTROMETRY (GC/MS)					
1. Holding times		X		X	
2. Detection limits		X		X	Yes, see notes
3. Blanks					
A. Laboratory Method Blanks		X		X	
B. Field Blanks	X			X	
4. Laboratory Control Sample (LCS) %R		X		X	
5. LCS Duplicate %R and (RPD)	X			X	
6. Matrix Spike (MS) %R		X	X		Yes
7. MS Duplicate (MSD) %R and (RPD)		X	X		Yes
8. Surrogate Recoveries (%R)		X		X	
9. Field Duplicate Comparison	X	X		X	
10. Results Quantitation		X		X	Yes, TICs

%R - percent recovery RPD - relative percent difference CCV – continuing calibration verification

COMMENTS: Performance was acceptable, with the following exceptions and/or notes.

1) Samples were collected on November 26, 2024. The soil samples were extracted on December 6, 2024 within the required 14-day holding time. SVOC analyses were performed by December 6, 2024 within the 40 day holding time after extraction. Extraction and analysis holding times were met.

2) No sample dilutions were required for analysis of SVOCs. Several SVOCs were detected in soil samples at concentrations between the method detection limit (MDL) and the reporting limit. **Due to limited accuracy in this portion of the calibration range these SVOCs results are qualified as J/Estimated, as noted in the following pages:**

Sample ID	**Qualified SVOCs (ug/kg)**
GRID-29	Carbazole = 10.9 *J*
GRID-29	bis(2-Ethylhexyl)phthalate = 11.8 *J*
GRID-30	Carbazole = 20.1 *J*
GRID-31	1,1'-Biphenyl = 7.8 *J*
GRID-31	Carbazole = 52.7 *J*
GRID-31	Dibenzofuran = 35.8 *J*
GRID-31	Di-n-butyl phthalate = 10.8 *J*

Sample ID	Qualified SVOCs (ug/kg)
GRID-31	bis(2-Ethylhexyl)phthalate = 31.1 *J*
GRID-31	Naphthalene = 22.1 *J*
GRID-32	Acenaphthene = 13.5 *J*
GRID-32	Acenaphthylene = 30.5 *J*
GRID-32	1,1'-Biphenyl = 5.9 *J*
GRID-32	Carbazole = 18.8 *J*
GRID-32	Di-n-butyl phthalate = 6.6 *J*
GRID-32	bis(2-Ethylhexyl)phthalate = 30.5 *J*
GRID-32	Fluorene = 26.5 *J*
GRID-32	Naphthalene = 11.2 *J*
GRID-33	Acenaphthene = 29.4 *J*
GRID-33	Acetophenone = 8.1 *J*
GRID-33	Butyl benzyl phthalate = 11.1 *J*
GRID-33	Benzaldehyde = 8.9 *J*
GRID-33	Carbazole = 59.1 *J*
GRID-33	Dibenzofuran = 17.5 *J*
GRID-33	bis(2-Ethylhexyl)phthalate = 13.9 *J*
GRID-33	Fluorene = 35.9 *J*
GRID-33	2-Methylnaphthalene = 12.5 *J*
GRID-33	Naphthalene = 30.3 *J*
GRID-34	1,1'-Biphenyl = 8.3 *J*
GRID-34	Carbazole = 52.9 *J*
GRID-34	Dibenzofuran = 52.5 *J*
GRID-34	2-Methylnaphthalene = 14.5 *J*
GRID-34	Naphthalene = 22.6 *J*
GRID-35	Acenaphthene = 22.4 *J*
GRID-35	Carbazole = 23.3 *J*
GRID-35	Fluorene = 22.4 *J*
GRID-35	2-Methylnaphthalene = 8.4 *J*
GRID-35	Naphthalene = 15.2 *J*
GRID-36	Benzo(k)fluoranthene = 28.0 *J*
GRID-36	Carbazole = 15.4 *J*
GRID-36	bis(2-Ethylhexyl)phthalate = 13.8 *J*
GRID-36	Indeno(1,2,3-cd)pyrene = 30.1 *J*

3) SGS provided results from one full suite solid matrix method blank in support of the SVOC analyses. No SVOCs were detected in the method blank.

4-5) SGS provided results from one full set of solid matrix laboratory control sample (LCS) analyses (identified as blank spike analyses) in support of the SVOC analyses. All LCS recoveries were within laboratory specified control limits, ranging from 28 to 74 percent (various control limits). Accuracy, as demonstrated by these analyses is acceptable.

6-7) SGS provided results from one set of project specific (spike on sample GRID-32) matrix spike (MS) and MSD duplicate analyses in support of the SVOC analyses. MS and MSD recoveries ranged from 6 to 101 percent (various control limits). The maximum RPD between MS and MSD results was 39 percent. Precision and accuracy, as demonstrated by these analyses is acceptable, with the following exceptions. **MS/MSD recoveries were low for 2,4-Dinitrophenol, 4,6-Dinitro-o-cresol, and Hexachlorocyclopentadiene, with recoveries of less than 10 percent. These SVOC were not detected in the sample spiked. Due to the low MS recoveries, the SVOCs are qualified as "UJ/Estimated and non-detect at the reporting limits stated"**

8) Six surrogates were spiked into each soil sample in support of the SVOC analyses. Surrogate recoveries were acceptable, ranging from 36 to 80 percent (various control limits). Accuracy, as demonstrated by these analyses is acceptable.

9) Field duplicate samples were not collected with the samples under this chain of custody.

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10) Results were reported on a dry weight basis. Numerous Tentatively Identified Compounds (TICs) were reported with each sample analyzed for SVOCs. Results for TICs are considered to be estimated in magnitude. In some cases, the identification of the TIC was verified against the library of SVOCs compounds associated with the method.

VALIDATION CHECKLIST SUMMARY
RIDGEWOOD BERM SOIL SAMPLING

PESTICIDES BY METHOD 8081B

REQUIREMENTS	REPORTED NO	REPORTED YES	PERFORMANCE ACCEPTABLE NO	PERFORMANCE ACCEPTABLE YES	DATA QUALIFIED - COMMENTS
GAS CHROMATOGRAPHY					
1. Holding times		X		X	
2. Detection limits		X		X	Yes, see notes
3. Blanks					
A. Laboratory Method Blanks		X		X	
4. Laboratory Control Sample (LCS) %R		X	X		No, see notes
5. LCS Duplicate %R and (RPD)	X			X	
6. Matrix Spike (MS) %R		X	X		No, See notes
7. MS Duplicate (MSD) %R and (RPD)		X	X		No, See notes
8. Surrogate Recoveries (%R)		X	X		Yes, see notes
9. DDT/Endrin Breakdown Check		X		X	
10. Field Duplicate Comparison	X			X	
11. Results Quantitation		X		X	Yes, See notes

%R - percent recovery RPD - relative percent difference CCV – continuing calibration verification

COMMENTS: Performance was acceptable, with the following exceptions and/or notes.

1) Samples were collected on November 26, 2024. The soil samples for analysis of pesticides were extracted on December 6, 2024 within the required 14-day holding time. Pesticide analyses were performed by December 11, 2024 within the 40-day holding time after extraction.

2) No samples were analyzed at dilutions. Some pesticides were detected in soil samples at concentrations between the method detection limit (MDL) and the reporting limit. **Due to limited accuracy in this portion of the calibration range these pesticide results are qualified as J/Estimated, as follows:**

Sample ID	**Qualified Pesticides (ug/kg)**
GRID-29	Heptachlor epoxide = 0.30 ***J***
GRID-30	Dieldrin = 0.13 ***J***
GRID-31	alpha-BHC = 0.16 *J*
GRID-31	Endosulfan-II = 0.16 *J*
GRID-31	Heptachlor= 0.37 *J*
GRID-34	Dieldrin = 0.32 ***J***

Sample ID	Qualified Pesticides (ug/kg)
GRID-36	gamma-Chlordane = 0.23 *J*
GRID-36	Dieldrin = 0.18 *J*
GRID-36	4,4-DDD = 0.27 *J*
GRID-36	Heptachlor epoxide = 0.23 *J*

3) SGS provided results from one full suite solid matrix method blank in support of the pesticide analyses. No pesticides were detected in the method blank.

4-5) SGS provided results from one full set solid matrix laboratory control sample (LCS) analysis (identified as blank spike analyses) in support of the pesticide analyses. All LCS recoveries were within laboratory specified control limits, ranging from 78 to 118 percent, with one exception. The LCS recovery for methoxychlor is high at 118 percent (upper control limit of 111 percent).

Methoxychlor was not detected in the associated samples and no bias to the sample results is indicated.

6-7) SGS provided results from one set of batch specific matrix spike (MS) and MSD duplicate analyses in support of the pesticide analyses. MS and MSD recoveries ranged from 77 to 521 percent, with a maximum RPD between MS and MSD results of 38 percent. Numerous pesticides have MS recoveries that are out of control and biased high. The pesticides include:

4,4'-DDD	4,4'-DDT	alpha-Chlordane	Chlordane (alpha and gamma),
Endosulfan sulfate		Endrin aldehyde	gamma-Chlordane
Heptachlor epoxide		Methoxychlor.	

No action is taken based on the high MS recoveries in the batch spike, as the matrix may not be representative of the project samples.

8) Two surrogates (tetrachloro-m-xylene and decachlorobiphenyl) were spiked into each soil sample in support of the solid matrix pesticide analyses. Surrogates were reported from each of the two columns used in the analyses. Surrogate recoveries range from 43 to 519 % percent (control limits for TCMX = 46 to 145% and 29-163% for DBCP). Several DCBP surrogate recoveries are out of control and high. Pesticides detections from the analytical column where the pesticides were quantified can be found in the GC Identification Summary section of the SGS report. **Based on this review, the following pesticides are qualified as J/Estimated due to the high surrogate recoveries.**

Sample ID	High DCBP % Rec	Impacted Pesticides
GRID-33	112 / **263**	alpha-Chlordane, Heptachlor epoxide
GRID-34	100 / **470**	alpha-Chlordane, Heptachlor epoxide, 44-DDE
GRID-35	**172 / 519**	All pesticides detected
GRID-36	112 / **211**	None

9) Several sets of DDT/Endrin breakdown check standards were analyzed coinciding with each analytical batch. DDT and Endrin breakdown levels were all less than the QAPP specific level of 15 percent.

10) Field duplicate samples were not collected with the samples under this chain of custody.

11) Results were reported on a dry weight basis. No anomalies were noted with respect to results pesticide quantitation or reporting, with the following exceptions. Numerous pesticides were flagged by SGS due to an RPD of more than 40% between the dual GC columns used for quantitation and confirmation. This criterion is not addressed in the project QAPP. Some of these results may already be qualified as J/Estimated due to reporting limits. The following results are qualified due to poor column confirmation precision.

Sample ID	**Qualified Pesticides (ug/kg)**
GRID-29	alpha-Chlordane, 4,4-DDD
GRID-30	alpha and gamma-Chlordane, Dieldrin, 4,4-DDD, 4,4-DDT
GRID-31	alpha-Chlordane, Endosulfan-II, Heptachlor epoxide
GRID-32	alpha-Chlordane, Heptachlor epoxide
GRID-33	Dieldrin , 4,4-DDD, 4,4-DDT
GRID-34	gamma-Chlordane. Dieldrin , 4,4-DDD,
GRID-35	alpha-Chlordane, Dieldrin, 4,4-DDT, Heptachlor epoxide
GRID-36	gamma-Chlordane. Dieldrin , 4,4-DDD, 4,4-DDT

VALIDATION CHECKLIST SUMMARY
RIDGEWOOD BERM SOIL SAMPLING

AROCLORS (PCBs) BY METHOD 8082A

REQUIREMENTS	REPORTED NO	REPORTED YES	PERFORMANCE ACCEPTABLE NO	PERFORMANCE ACCEPTABLE YES	DATA QUALIFIED - COMMENTS
GAS CHROMATOGRAPHY					
1. Holding times		X		X	
2. Detection limits		X		X	Yes, see notes
3. Blanks					
A. Laboratory Method Blanks		X		X	
4. Laboratory Control Sample (LCS) %R		X		X	
5. LCS Duplicate %R and (RPD)	X			X	
6. Matrix Spike (MS) %R		X		X	
7. MS Duplicate (MSD) %R and (RPD)		X		X	
8. Surrogate Recoveries (%R)		X		X	
9. Field Duplicate Comparison	X			X	
10. Results Quantitation		X		X	

%R - percent recovery RPD - relative percent difference CCV – continuing calibration verification

COMMENTS: Performance was acceptable, with the following exceptions and/or notes.

1) Samples were collected on November 26, 2024. The soil samples for analysis of Aroclors were extracted on December 6, 2024 within the required 14-day holding time. Aroclor analyses were performed by December 10, 2024, within the 40 day holding time after extraction. Extraction and analysis holding times were met.

2) No soil samples were analyzed at dilutions to quantitate any Aroclors. Some Aroclor detections were reported at concentrations between the MDL and RL. **Due to limited accuracy in this portion of the calibration range these Aroclor results are qualified as J/Estimated, as noted in the following pages:**

Sample ID	**Qualified SVOCs (ug/kg)**
GRID-31	Aroclor 1260 = 16.0 *J*
GRID-33	Aroclor 1262 = 5.9 *J*
GRID-35	Aroclor 1262 = 7.2 *J*

Aroclor reporting limits are determined to be acceptable.

3) SGS provided results from one full suite solid matrix method blank in support of the Aroclor analyses with no Aroclors detected.

4-5) SGS provided results from one set of solid matrix laboratory control sample (LCS) analyses (identified as blank spike analyses) in support of the Aroclor analyses.

Aroclors 1016 and 1260 were spiked with acceptable recoveries of 100 and 118 percent (various control limits). Accuracy, as demonstrated by these analyses is acceptable.

6-7) SGS provided results from one set of batch specific matrix spike (MS) and MSD duplicate analyses in support of the Aroclor analyses. MS spikes were performed on Aroclors 1016 and 1260. MS and MSD recoveries ranged from 121 to 129 percent and were within prescribed control limits. Precision between MS and MSD results was acceptable, with a maximum RPD of 5 percent.

8) Two surrogates (tetrachloro-m-xylene and decachlorobiphenyl) were spiked into each soil sample in support of the solid matrix Aroclor analyses. Surrogate recoveries were reported from both analytical columns and ranged from 89 to 139 percent. Accuracy, as demonstrated by these analyses is acceptable.

9) Field duplicate samples were not collected with the samples under this chain of custody.

10) Results were reported on a dry weight basis. No anomalies were noted with respect to results for Aroclor quantitation or reporting.

VALIDATION CHECKLIST SUMMARY
RIDGEWOOD BERM SOIL SAMPLING

TARGET ANALYTE LIST METALS – EPA METHODS 6010D AND 7471B

REQUIREMENTS	REPORTED / EVALUATED NO	REPORTED / EVALUATED YES	PERFORMANCE ACCEPTABLE NO	PERFORMANCE ACCEPTABLE YES	DATA QUALIFIED - COMMENTS
INDUCTIVLY COUPLED PLASMA / COLD VAPOR AA					
1. Holding times / Preservation		X		X	
2. Detection limits / Dilutions		X		X	
3. Blanks					
A. Calibration Blanks		X		X	
B. Method Blanks		X		X	
4. Initial and Continuing Calibration %R		X		X	
5. Interference check sample recoveries		X		X	
6. Matrix Spike (MS) %R		X	X		Yes
7. MS Duplicate (MSD) %R and RPD		X	X		Yes
8. LCS and LCSD %R and RPD		X		X	LCS only
9. Serial Dilution Analyses		X	X		No, see notes
10. Field/Lab Duplicate Comparison (RPD)	X			X	
11. Results Quantitation		X		X	

%R - percent recovery RPD - relative percent difference

COMMENTS: Performance was acceptable, with the following exceptions and/or notes:

1) Samples were collected on November 26, 2024. The soil samples for analysis of TAL metals were prepared by December 3, 2024 and were analyzed within the 6 month holding times by December 3, 2024 (within 28 days for mercury). Extraction and analysis holding times were met.

2) No metal analyses were performed at dilutions. All metals results were reported to the RL. No metals detections were reported at concentrations between the MDL and RL. Reporting limits are determined to be acceptable.

3) Results from numerous sets of initial and continuing calibration blanks were provided in support of the TAL metals analyses. Results for these blanks were presented in aqueous units. No TAL metals were detected at concentrations exceeding the RL. Results from one set of solid matrix method blanks were also provided, with no metals detected at concentrations exceeding the RL.

4) Results from several sets of initial and continuing calibration analyses were provided for the TAL metals. All ICV and CCV standard recoveries were within control limits of 90-110 percent. Results from high end (typically 8,000 ug/L) calibration standards were provided with acceptable recoveries between 90 and 110 percent. Results from

low end calibration standards (CRI) were also reported and acceptable. CRI control limits are 80-120 percent.

5) Results from several sets of ICP interference check samples were provided in support of the TAL metals. ICP interference check sample recoveries were acceptable, within control limits of 80-20 percent.

6-7) SGS provided results from one set of solid matrix batch specific matrix spike (MS) and MSD duplicate analyses in support of the TAL metals analyses. MS and MSD recoveries are evaluated herein when the sample concentration in the native sample does not exceed the spike concentration by more than 4 times. MS and MSD control limits were 75 – 125 percent. All MS recoveries were in control with the following exceptions.

MS/MSD recoveries were out of control limits in the batch spike as follows:

Metal spiked	MS / MSD Recovery %	Validation Action
Antimony	62.3 / 61.2	Low bias – UJ/Estimated at RL

Antimony was not detected in any samples. All antimony result are qualified as "UJ/Estimated and non-detect at the reporting limits stated."

8) SGS provided results from one set of solid matrix LCS analyses in support of the TAL metals is soil samples. The LCS recoveries were acceptable ranging from 87.0 to 96.5 percent (control limits of 80-120 percent).

9) SGS provide results from one set of serial dilution analyses performed on a batch sample. Percent differences between the initial result and the 5 times serial dilution result were less the control limit of 10 percent for all metals results where the initial result was greater than 50 times the instrument detection limit, with the following exceptions. Percent difference for aluminum, calcium, and iron were all between 10 and 11 percent. **No action is taken based on the slightly poor serial dilution precision for these metals demonstrated by the batch sample.**

10) Field duplicate samples were not collected with the samples under this chain of custody.

11) No anomalies were noted with respect to the metals reporting.

VALIDATION CHECKLIST SUMMARY
RIDGEWOOD BERM SAMPLING

GENERAL CHEMISTRY – CYANIDE

REQUIREMENTS	REPORTED / EVALUATED NO	REPORTED / EVALUATED YES	PERFORMANCE ACCEPTABLE NO	PERFORMANCE ACCEPTABLE YES	DATA QUALIFIED COMMENTS
EPA METHOD 9012B (CYANIDE)					
1. Holding times / Preservation		X		X	
2. Detection limits / Dilutions		X		X	
3. Blanks					
A. Method/Prep Blanks		X		X	
B. Field Blanks	X			X	
4. Initial and Continuing Calibration %R		X		X	
5. Matrix Spike (MS) %R		X	X		Yes
6. MS Duplicate (MSD) %R and RPD	X			X	MS only
7. LCS and LCSD %R and RPD		X		X	
8. Field/Lab Duplicate Comparison (RPD)		X		X	Lab only
9. Results Quantitation		X		X	

%R - percent recovery RPD - relative percent difference

COMMENTS: Performance was acceptable, with the following exceptions and/or notes:

1) Samples were collected on November 26, 2024. The soil samples for analysis of cyanide were analyzed by December 5, 2024 within the required 14 day holding time.

2) No dilutions were required to quantitate results for the cyanide.

3) Results from two solid matrix method blanks were provided in support of the cyanide, with no cyanide detected.

4) Results from initial and continuing calibration analyses for cyanide were acceptable, with recoveries between 90 and 110 percent.

5-6) SGS provided results from one batch specific and from one project sample specific (GRID-36) set of matrix spike (MS) analyses in support of the cyanide analyses. The cyanide MS recovery on sample GRID-36 was very low at 10.4 percent. The batch spike recovery was acceptable at 113.9 percent. **Due to the low MS recovery on the project sample, all cyanide results for this SDG are qualified as "UJ/Estimated and non-detect at the reporting limits stated."**

7) SGS provided results from two solid matrix LCS analyses in support of the soil sample analyses for cyanide. The LCS recoveries were acceptable, at 108.5 percent, each.

8) SGS provided results from batch specific and one project specific (sample GRID-36) laboratory duplicates. Precision between duplicate results was acceptable for cyanide, with no cyanide detected in any of the samples.

Field duplicate samples were not submitted under this chain of custody.

9) Results were reported on a dry weight basis. No anomalies were noted with respect to the cyanide reporting.

RIDGEWOOD BERM SOIL SAMPLING
VALIDATION OF LABORATORY RESULTS
SGS LABORATORY (DAYTON, NJ)

LABORATORY REPORT # JE1536 DATED DECEMBER 23, 2024

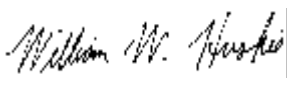
Matrix New World Engineering (Matrix) collected eight soil samples on November 26, 2024. The sample results have been validated in accordance with the Project QAPP requirements, guidance from the National Functional Guidelines for Organic and Inorganic data Review and professional judgment of the data reviewer.

The QC information evaluated has been described in the preceding pages. Based on this review, data provided for the soil samples collected are determined to be quantitative, with the exceptions noted in the following table.

Sample Identification(s) / Analyte(s)	Data Qualifier(s)	Reason(s) For Qualification
SVOCs All Samples / SVOC detections noted pages 4 and 5 of this validation report.	J/Estimated	These SVOCs were reported at concentrations between the method detection limit and the reporting limit. Accuracy in this portion of the calibration curve may be limited.
SVOCs GRID-32 / 2,4-Dinitrophenol, 4,6-Dinitro-o-cresol, and Hexachlorocyclopentadiene,	UJ/Estimated and non-detect at the reporting limits stated	A project specific MS/MSD was performed on this sample. Spike recoveries for the SVOCs listed were below control limits and less than 10 percent. The ability to detect these SVOCs in questionable in the sample spiked.
SVOCs All samples / Tentatively Identified Compounds (TICs)	J/Estimated	Numerous TICs were reported with each sample analyzed for SVOCs. Results for TICs are considered to be estimated in magnitude. In some cases, the identification of the TIC was verified against the library of SVOCs compounds associated with the method.
Pesticides All Samples / Pesticide detections noted on pages 7 and 8 of this validation report.	J/Estimated	These pesticides were reported at concentrations between the method detection limit and the reporting limit. Accuracy in this portion of the calibration curve may be limited.
GRID-33 / alpha-Chlordane, Heptachlor epoxide GRID-34 / alpha-Chlordane, Heptachlor epoxide, 4,4-DDE GRID-35 /**All pesticides detected**	J/Estimated	Associated DCBP surrogate recovery is high in one or both columns were the sample quantification was made. Detection noted may be biased high.

Sample Identification(s) / Analyte(s)	Data Qualifier(s)	Reason(s) For Qualification
Pesticides GRID-29 / alpha-Chlordane, 4,4-DDD GRID-30 / alpha and gamma-Chlordane, Dieldrin, 4,4-DDD, 4,4-DDT GRID-31 /alpha-Chlordane, Endosulfan-II, Heptachlor epoxide GRID-32 / alpha-Chlordane, Heptachlor epoxide GRID-33 / Dieldrin , 4,4-DDD, 4,4-DDT GRID-34 / gamma-Chlordane. Dieldrin , 4,4-DDD, GRID-35 / alpha-Chlordane, Dieldrin, 4,4-DDT, Heptachlor epoxide GRID-36 / gamma-Chlordane. Dieldrin, 4,4-DDD, 4,4-DDT	J/Estimated	Poor precision between results of dual column confirmation for the samples and detections noted. RPDs exceed 40 percent between columns.
Aroclors GRID-31 / Aroclor 1260 GRID-33 / Aroclor 1262 GRID-35 / Aroclor 1262	J/Estimated	These Aroclors were reported at concentrations between the method detection limit and the reporting limit. Accuracy in this portion of the calibration curve may be limited.
TAL Metals All soil samples / Antimony	"UJ/Estimated and non-detect at the reporting limits stated" for antimony NDs	MS and MSD recoveries for antimony were low in a batch MS/MSD. Antimony was not detected in any samples. Sample results for the antimony may be biased low.
Cyanide All soil samples	"UJ/Estimated and non-detect at the reporting limits stated" for antimony NDs	Project MS recovery for cyanide was low at 10.4 percent. The ability to detect cyanide in the project sample matrix in questionable.

VALIDATION PERFORMED BY: William W. Huskie, Consulting Geochemist

SIGNATURE: 

DATE: February 1, 2025

RIDGEWOOD BERM SAMPLING
VALIDATION OF LABORATORY RESULTS
SGS LABORATORY (DAYTON, NJ)

LABORATORY REPORT # JE1542 DATED DECEMBER 23, 2024

INTRODUCTION

Matrix New World Engineering (Matrix) collected 11 soil samples and one field duplicate sample on November 26, 2024. Samples were relinquished to an SGS Laboratory courier, and then transported to SGS Laboratory, located in Dayton, New Jersey. Samples were received at SGS on November 26, 2024 at an acceptable temperature of 2.7 degrees Celsius. Sample identifications and requested analyses are listed below. Several samples were extracted and placed on hold, pending the results of the initial analyses. If the hold analyses were performed, these analyses are noted in **bold** in the following table, discussed in the following pages, and are validated as applicable.

Matrix Sample ID	**Lab Sample ID**	**Analyses Requested and Methods**		**Initial Status / Comment**
GRID-20R	JE1542-1		TCL Pesticides	Hold
GRID-20R	JE1542-1R		TCL Pesticides	**Analyzed**
GRID-20 (2.0-2.5)	JE1542-2	BAP and BAA by EPA Method 8270E		
GRID-20 (2.5-3.0)	JE1542-3	BAP and BAA by EPA Method 8270E		Hold
GRID-20 (2.5-3.0)	JE1542-3T	BAP and BAA by EPA Method 8270E		**Analyzed**
GRID-20-N1	JE1542-4	BAP and BAA by EPA Method 8270E		
GRID-20-N2	JE1542-5	BAP and BAA by EPA Method 8270E		Hold
GRID-20-N2	JE1542-5T	BAP and BAA by EPA Method 8270E		**Analyzed**
GRID-20-S1	JE1542-6	BAP and BAA by EPA Method 8270E		
GRID-20-S2	JE1542-7	BAP and BAA by EPA Method 8270E		Hold
GRID-20-S2	JE1542-7T	BAP and BAA by EPA Method 8270E		**Analyzed**
GRID-20-E1	JE1542-8	BAP and BAA by EPA Method 8270E		
GRID-20-E2	JE1542-9	BAP and BAA by EPA Method 8270E		Hold
GRID-20-E2	JE1542-9T	BAP and BAA by EPA Method 8270E		**Analyzed**
GRID-20-W1	JE1542-10	BAP and BAA by EPA Method 8270E		
GRID-20-W2	JE1542-11	BAP and BAA by EPA Method 8270E		Hold
GRID-20-W2	JE1542-11T	BAP and BAA by EPA Method 8270E		**Analyzed**
DUP-4	JE1542-12	BAP and BAA by EPA Method 8270E		Duplicate of primary sample GRID-20-W1

BAP =Benzo(a)pyrene BAA = Benzo(a) anthracene

VALIDATION CHECKLIST SUMMARY

RIDGEWOOD SOIL GRID SAMPLING
BENZO(A)PYRENE / BENZO(A)ANTHRACENE (SVOCs) BY METHOD 8270E

REQUIREMENTS	REPORTED NO	REPORTED YES	PERFORMANCE ACCEPTABLE NO	PERFORMANCE ACCEPTABLE YES	DATA QUALIFIED - COMMENTS
GAS CHROMATOGRAPHY/ MASS SPECTROMETRY (GC/MS)					
1. Holding times		X	X		Yes
2. Detection limits		X		X	
3. Blanks					
A. Laboratory Method Blanks		X		X	
B. Field Blanks	X			X	
4. Laboratory Control Sample (LCS) %R		X		X	
5. LCS Duplicate %R and (RPD)	X			X	
6. Matrix Spike (MS) %R		X		X	
7. MS Duplicate (MSD) %R and (RPD)		X		X	
8. Surrogate Recoveries (%R)		X		X	
9. Field Duplicate Comparison		X		X	
10. Results Quantitation		X		X	

%R - percent recovery RPD - relative percent difference CCV – continuing calibration verification

COMMENTS: Performance was acceptable, with the following exceptions and/or notes.

1) Samples were collected on November 26, 2024. The "non-hold" soil samples were extracted on December 6, 2024 within the required 14-day holding time, and were analyzed by December 9, 2024 within holding time.. Samples initially placed on hold were extracted on December 16, 2024 past 14-day holding time. These samples were analyzed within the 40-day hold time after extraction one December 17, 2024.

Due to the exceeded holding time before extraction, results for the following samples are qualified as J/Estimated for detections and "UJ/Estimated and non-detect at the reporting limits stated" for non-detects.

GRID-20 (2.5-3.0) GRID-20-N2 GRID-20-S2 GRID-20-E2 GRID-20-W2

All other extraction and analysis holding times were met.

2) Sample GRID-20-N1 was diluted by a factor of 10 times. Samples GRID-20-S1, GRID-20-W1, and DUP-4 were diluted by factors of 5 times. No other sample dilutions were required for analysis of benzo(a)anthracene or benzo(a)pyrene. No target analytes were detected at concentrations between the method detection limit (MDL) and the reporting

limit (RL). All reporting limits are determined to be acceptable.

3) SGS provided results from two solid matrix method blanks in support of the Benzo(a)anthracene or Benzo(a)pyrene analyses. These SVOCs were not detected in the method blanks.

.

4-5) SGS provided results from two sets of solid matrix laboratory control sample (LCS) analyses (identified as blank spike analyses) in support of the benzo(a)anthracene and benzo(a)pyrene analyses. LCS recoveries were within laboratory specified control limits, ranging from 65 to 69 percent. Accuracy, as demonstrated by these analyses is acceptable.

6-7) SGS provided results from two sets of batch specific matrix spike (MS) and MS duplicate analyses in support of the benzo(a)anthracene and benzo(a)pyrene analyses. MS and MSD recoveries for the samples extracted within holding times were acceptable at 73 to 92 percent.

The batch spike associated with the samples extracted past holding times has low MS and MSD recoveries with negative recoveries. No action is taken, as the sample spiked had very high target compound concentrations, and is not considered to be relevant to the Matrix samples.

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8) Three surrogates were spiked into each soil sample in support of the benzo(a)anthracene and benzo(a)pyrene analyses. Surrogate recoveries ranged from 48 to 88 percent, and were within prescribed control limits for initial and dilution analyses.

9) Sample DUP-4 was submitted as a blind field duplicate of primary sample GRID-20-W1

Results of the field duplicate sampling are presented below for any benzo(a)anthracene or benzo(a)pyrene detected. All results are in presented in units of ug/Kg.

Sample ID	Benzo(a)pyrene	Benzo(a)anthracene
DUP-004	5,500	4,750
GRID-20-W1	7,520	6,740
RPD (%)	31	35

Soil sample field duplicate precision is evaluated based on an acceptable RPD of 50 percent or less. Based on these criteria, field duplicate precision is determined to be acceptable.

10) All results were reported on a dry weight basis. No anomalies were noted with respect to results quantitation or reporting for the two target SVOC compounds.

VALIDATION CHECKLIST SUMMARY
RIDGEWOOD BERM SAMPLING

PESTICIDES BY METHOD 8081B

REQUIREMENTS	REPORTED NO	REPORTED YES	PERFORMANCE ACCEPTABLE NO	PERFORMANCE ACCEPTABLE YES	DATA QUALIFIED - COMMENTS
GAS CHROMATOGRAPHY					
1. Holding times		X		X	
2. Detection limits		X		X	
3. Blanks					
A. Laboratory Method Blanks		X		X	
B. Field/Equipment Blanks	X			X	
4. Laboratory Control Sample (LCS) %R		X	X		No, See notes
5. LCS Duplicate %R and (RPD)	X			X	
6. Matrix Spike (MS) %R		X	X		No, see notes
7. MS Duplicate (MSD) %R and (RPD)		X	X		No, see notes
8. Surrogate Recoveries (%R)		X	X		Yes
9. DDT/Endrin Breakdown Check		X		X	
10. Field Duplicate Comparison	X			X	Not collected
11. Results Quantitation		X	X		Yes, See notes

%R - percent recovery RPD - relative percent difference CCV – continuing calibration verification

COMMENTS: Performance was acceptable, with the following exceptions and/or notes.

1) Samples were collected on November 26, 2024. The soil sample for analysis of pesticides was extracted on December 6, 2024 within the required 14-day holding time. Pesticide analyses were performed by December 7, 2024 within the 40-day holding time after extraction.

2) No samples were analyzed at dilutions to quantify specific pesticides. No pesticides were detected in the soil sample at concentrations between the method detection limit (MDL) and the reporting limit.

3) SGS provided results from one full suite solid matrix method blank in support of the pesticide analyses. No Pesticides were detected in the method blank.

4-5) SGS provided results from one full set of solid matrix laboratory control sample (LCS) analyses (identified as blank spike analyses) in support of the pesticide analyses. LCS recoveries were within laboratory specified control limits, ranging from 78 to 118 percent, with one exception. The LCS recovery for methoxychlor was high at 118 percent (upper control limit of 111 percent). No action is taken, as methoxychlor was not detected in the associated soil sample. Remaining accuracy, as demonstrated by these analyses is acceptable.

6-7) SGS provided results from one set of batch specific matrix spike (MS) and MS duplicate analyses in support of the pesticide analyses. MS and MSD recoveries ranged from 77 to 521 percent. The maximum RPD between MS and MSD results was high at 38 percent. MS or MSD recoveries were high for nearly half of the pesticide target compounds. No validation action is taken for the batch spike, as the matrix may not be representative of the project samples collected.

8) Two surrogates (tetrachloro-m-xylene and decachlorobiphenyl) were spiked into each soil sample in support of the solid matrix pesticide analyses. Surrogates were reported from each of the two columns used in the analyses. Surrogate recoveries ranged from 104 to 197 percent. For sample GRID-20R, decachlorobiphenyl surrogate recoveries were high from both analytical columns at 188 and 197 percent (upper control limit of 163 percent). Due to the high surrogate recoveries, associated pesticide detections may be bias. **Results for the following detected pesticides are qualified as J/Estimated due to the high surrogate recoveries.**

alpha-Chlordane	gamma-Chlordane	Chlordane
4,4-DDT	4,4-DDE	Endosulfan-I

9) Several sets of DDT/Endrin breakdown check standards were analyzed coinciding with each analytical batch. DDT and Endrin breakdown levels were all less than the QAPP specific level of 15 percent.

10) Two sets of field duplicate samples were submitted in the initial sample submittal. These samples were not selected for field duplicate analysis of pesticides.

11) All results were reported on a dry weight basis. No anomalies were noted with respect to results pesticide quantitation or reporting, with the following exceptions. The CCV for methoxychlor was high. Methoxychlor was not detected in the associated sample and no bias is indicated.

Some pesticides were flagged by SGS due to an RPD of more than 40% between the dual GC columns used for quantitation and confirmation. In many cases, the pesticides in question were also qualified as J/Estimated due to reporting limits. The following samples results and are qualified due to poor precision between pesticide detections on the dual columns.

Sample ID	Qualified pesticides (ug/Kg)
GRID-20R	4,4-DDE = 1.5 *J*

RIDGEWOOD BERM SAMPLING
VALIDATION OF LABORATORY RESULTS
SGS LABORATORY (DAYTON, NJ)

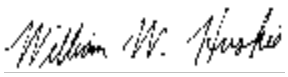
LABORATORY REPORT # JE1542 DATED DECEMBER 23, 2024

Matrix New World Engineering (Matrix) collected 11 soil samples and one field duplicate sample on November 26, 2024. The sample results have been validated in accordance with the Project QAPP requirements, guidance from the National Functional Guidelines for Organic data Review, and professional judgment of the data reviewer.

The QC information evaluated has been described in the preceding pages. Based on this review, data provided for the soil samples collected are determined to be quantitative, with the exceptions noted in the following table.

Sample Identification(s) / Analyte(s)	Data Qualifier(s)	Reason(s) For Qualification
SVOCs GRID-20 (2.5-3.0) / Benzo(a)pyrene GRID-20-N2 / Benzo(a)pyrene and Benzo(a)anthracene GRID-20-S2/ Benzo(a)pyrene and Benzo(a)anthracene GRID-20-E2 // Benzo(a)pyrene GRID-20-W2/ Benzo(a)pyrene and Benzo(a)anthracene	J/Estimated	Samples were extracted past the allowable 14-day holding times. Results may be biased low due to missed holding time before extraction.
Pesticides GRID-20R / alpha-Chlordane, gamma-Chlordane, Chlordane, 4,4-DDT , 4,4-DDE, and Endosulfan-I	J/Estimated	Associated DCBP surrogate recoveries were high from both analytical signals. Sample results may be biased high.
Pesticides GRID-20R / 4,4-DDE	J/Estimated	Precision between results of dual analytical columns was poor, with an RPD greater than 40 percent.

VALIDATION PERFORMED BY: **William W. Huskie, Consulting Geochemist**

SIGNATURE: 

DATE: January 31, 2025

APPENDIX G

SGS Laboratory Reports

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Matrix New World Engineering, Inc.

Ridgewood Berm Sampling, Ridgewood, NJ

23-1429; PO#20243716

SGS Job Number: JE1296

Sampling Date: 11/21/24

Report to:

Matrix New World Engineering, Inc.
26 Columbia Turnpike
Florham Park, NJ 07932
mfeury@mnwe.com

ATTN: Melissa Feury

Total number of pages in report: 536

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

David Chastain
General Manager

Client Service contact: Tammy McCloskey 732-329-0200
Certifications: NJ(12129),NY(10983),CA,CO,CT,FL,HI,IL,IN,KY,LA (120428),MA,MD,ME,MN,NC,NH,NV, AK (UST-103),AZ (AZ0786),PA(68-00408),RI,SC,TX (T104704234),UT,VA,WA,WV

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SGS North America Inc.

Sample Summary

Matrix New World Engineering, Inc.

Job No: JE1296

Ridgewood Berm Sampling, Ridgewood, NJ
Project No: 23-1429; PO#20243716

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
This report contains results reported as ND = Not detected. The following applies: Organics ND = Not detected above the MDL							
JE1296-1	11/21/24	09:30	DC	11/21/24	SO	Soil	GRID-26R
JE1296-2	11/21/24	09:40	DC	11/21/24	SO	Soil	GRID-26(2.0-2.5)
JE1296-3	11/21/24	09:45	DC	11/21/24	SO	Soil	GRID-26(2.5-3)
JE1296-4	11/21/24	09:55	DC	11/21/24	SO	Soil	GRID-26-N1
JE1296-5	11/21/24	10:50	DC	11/21/24	SO	Soil	GRID-26-N2
JE1296-6	11/21/24	10:30	DC	11/21/24	SO	Soil	GRID-26-S1
JE1296-7	11/21/24	11:10	DC	11/21/24	SO	Soil	GRID-26-S2
JE1296-8	11/21/24	10:20	DC	11/21/24	SO	Soil	GRID-26-E1
JE1296-9	11/21/24	10:55	DC	11/21/24	SO	Soil	GRID-26-E2
JE1296-10	11/21/24	10:45	DC	11/21/24	SO	Soil	GRID-26-W1
JE1296-11	11/21/24	10:42	DC	11/21/24	SO	Soil	GRID-26-W2
JE1296-12	11/21/24	15:30	DC	11/21/24	AQ	Field Blank Soil	FB-1

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

Matrix New World Engineering, Inc.

Job No: JE1296

Ridgewood Berm Sampling, Ridgewood, NJ
Project No: 23-1429; PO#20243716

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JE1296-13	11/21/24	11:55	DC	11/21/24	SO	Soil	GRID-28R
JE1296-14	11/21/24	12:00	DC	11/21/24	SO	Soil	GRID-28(2.0-2.5)
JE1296-15	11/21/24	12:05	DC	11/21/24	SO	Soil	GRID-28(2.5-3)
JE1296-16	11/21/24	12:10	DC	11/21/24	SO	Soil	GRID-28-N1
JE1296-17	11/21/24	12:15	DC	11/21/24	SO	Soil	GRID-28-N2
JE1296-18	11/21/24	12:50	DC	11/21/24	SO	Soil	GRID-28-S1
JE1296-19	11/21/24	13:00	DC	11/21/24	SO	Soil	GRID-28-S2
JE1296-20	11/21/24	12:25	DC	11/21/24	SO	Soil	GRID-28 E1
JE1296-21	11/21/24	12:40	DC	11/21/24	SO	Soil	GRID-28 E2
JE1296-22	11/21/24	11:50	DC	11/21/24	SO	Soil	GRID-28-W1
JE1296-23	11/21/24	11:40	DC	11/21/24	SO	Soil	GRID-28-W2
JE1296-24	11/21/24	12:30	DC	11/21/24	SO	Soil	DUP-1
JE1296-25	11/21/24	13:20	DC	11/21/24	SO	Soil	GRID-16R

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

Matrix New World Engineering, Inc.

Job No: JE1296

Ridgewood Berm Sampling, Ridgewood, NJ
Project No: 23-1429; PO#20243716

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JE1296-26	11/21/24	13:25	DC	11/21/24	SO	Soil	GRID-16(2.0-2.5)
JE1296-27	11/21/24	13:30	DC	11/21/24	SO	Soil	GRID-16(2.5-3)
JE1296-28	11/21/24	14:00	DC	11/21/24	SO	Soil	GRID-16-N1
JE1296-29	11/21/24	14:05	DC	11/21/24	SO	Soil	GRID-16-N2
JE1296-30	11/21/24	14:10	DC	11/21/24	SO	Soil	GRID-16-S1
JE1296-31	11/21/24	14:20	DC	11/21/24	SO	Soil	GRID-16-S2
JE1296-32	11/21/24	13:30	DC	11/21/24	SO	Soil	GRID-16-E1
JE1296-33	11/21/24	13:40	DC	11/21/24	SO	Soil	GRID-16-E2
JE1296-34	11/21/24	13:45	DC	11/21/24	SO	Soil	GRID-16-W1
JE1296-35	11/21/24	13:55	DC	11/21/24	SO	Soil	GRID-16-W2
JE1296-36	11/21/24	13:35	DC	11/21/24	SO	Soil	DUP-2
JE1296-37	11/21/24	15:15	DC	11/21/24	SO	Soil	GRID-18R
JE1296-38	11/21/24	15:20	DC	11/21/24	SO	Soil	GRID-18(2.0-2.5)

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

Matrix New World Engineering, Inc.

Job No: JE1296

Ridgewood Berm Sampling, Ridgewood, NJ
Project No: 23-1429; PO#20243716

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JE1296-39	11/21/24	15:25	DC	11/21/24	SO	Soil	GRID-18(2.5-3)

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Matrix New World Engineering, Inc.	**Job No:**	JE1296
Site:	Ridgewood Berm Sampling, Ridgewood, NJ	**Report Date**	12/5/2024 6:41:30 AM

On 11/21/2024, 16 sample(s), 0 Trip Blank(s), 0 Equip. Blank(s) and 1 Field Blank(s) were received at SGS North America Inc. (SGS) at a temperature of 4.1 °C. The samples were intact and properly preserved, unless noted below. An SGS Job Number of JE1296 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method SW846 8260D

Matrix: AQ **Batch ID:** V2S289

- All samples were analyzed within the recommended method holding time.
- Sample(s) JE1160-1MS, JE1160-2DUP, JE1160-1MS were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- The blank spike (BS) recovery(s) of Bromodichloromethane, Benzene, Trichloroethene are outside control limits.
- The matrix spike (MS) recovery(s) of 1,1,1-Trichloroethane, 1,3-Dichlorobenzene, Bromoform, Carbon tetrachloride, cis-1,3-Dichloropropene, Dibromochloromethane, Tetrachloroethene, trans-1,3-Dichloropropene, Trichlorofluoromethane, Bromodichloromethane are outside control limits. Outside control limits due to matrix interference.
- The duplicate RPD(s) for cis-1,2-Dichloroethene are outside control limits for sample JE1160-2DUP. High RPD due to low concentration of hit
- V2S289-BS for Benzene: Outside of in house control limits, but within reasonable method recovery limits.
- V2S289-BS for Trichloroethene: Outside of in house control limits, but within the marginal exceedance limits.
- JE1160-1MS for Bromodichloromethane: Outside in house control limits.
- JE1296-12 for Bromoform: Associated CCV outside of control limits high, sample was ND.
- JE1296-12 for Bromodichloromethane: This compound in blank spike is outside in house QC limits bias high.
- JE1296-12 for Bromomethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- V2S289-BS for Bromodichloromethane: High percent recovery and no associated positive reported in the QC batch.

MS Semi-volatiles By Method SW846 8270E

Matrix: AQ **Batch ID:** OP59717

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- JE1296-12 for 2,4-Dinitrophenol: Associated CCV outside of control limits high, sample was ND.
- JE1296-12 for 3,3'-Dichlorobenzidine: Associated CCV outside of control limits high, sample was ND.
- JE1296-12 for 4,6-Dinitro-o-cresol: Associated CCV outside of control limits high, sample was ND.
- JE1296-12 for Hexachlorocyclopentadiene: Associated CCV outside of control limits high, sample was ND.

Matrix: SO **Batch ID:** OP59724

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- Sample(s) JE1296-2MS, JE1296-2MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE1296-20, JE1296-28, JE1296-34 have surrogates outside control limits. Surrogate recovery marginally exceeded the lower statistical limit.
- OP59724-MB1 for Nitrobenzene-d5: Outside control limits. Associated analytes not needed in the client sample.
- JE1296-20 for 2-Fluorobiphenyl: Outside of control limits, but within reasonable method recovery limits.
- JE1296-20 for Terphenyl-d14: Outside of control limits, but within reasonable method recovery limits.
- JE1296-34 for Nitrobenzene-d5: Outside control limits. Associated analytes not needed in the client sample.

GC/LC Semi-volatiles By Method SW846 8081B

Matrix: AQ **Batch ID:** OP59697

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.

GC/LC Semi-volatiles By Method SW846 8082A

Matrix: AQ **Batch ID:** OP59698

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.

Metals Analysis By Method SW846 6010D

Matrix: AQ **Batch ID:** MP51147

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE1240-2MS, JE1240-2MSD, JE1240-2SDL were used as the QC samples for the metals analysis.
- The serial dilution RPD(s) for Copper, Antimony, Cobalt, Nickel, Potassium, Silver, Zinc are outside control limits for sample MP51147-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- MP51147-SD1 for Zinc: Serial dilution indicates possible matrix interference.
- MP51147-MB1 for Copper: All reported results >10x MB value or with RL> 2X of this value.

Metals Analysis By Method SW846 7470A

Matrix:	AQ	Batch ID:	MP51190

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE1208-1MS, JE1208-1MSD were used as the QC samples for the metals analysis.

General Chemistry By Method EPA 335.4/LACHAT

Matrix:	AQ	Batch ID:	GP58048

- All samples were prepared within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) LB8635-1DUP, LB8635-1MS were used as the QC samples for the Cyanide analysis.

General Chemistry By Method SM2540 G 18TH ED MOD

Matrix:	SO	Batch ID:	GN62591

- Sample(s) JE1278-8DUP were used as the QC samples for the Solids, Percent analysis.

Matrix:	SO	Batch ID:	GN62592

- Sample(s) JE1051-6DUP were used as the QC samples for the Solids, Percent analysis.
- The duplicate RPD(s) for Solids, Percent are outside control limits for sample GN62592-D1. Probable cause due to sample homogeneity.

SGS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting SGS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by SGS indicated via signature on the report cover.

Summary of Hits

Job Number: JE1296
Account: Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Collected: 11/21/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JE1296-2	**GRID-26(2.0-2.5)**					
No hits reported in this sample.						
JE1296-4	**GRID-26-N1**					
No hits reported in this sample.						
JE1296-6	**GRID-26-S1**					
No hits reported in this sample.						
JE1296-8	**GRID-26-E1**					
No hits reported in this sample.						
JE1296-10	**GRID-26-W1**					
No hits reported in this sample.						
JE1296-12	**FB-1**					
No hits reported in this sample.						
JE1296-14	**GRID-28(2.0-2.5)**					
Benzo(a)pyrene		0.772	0.035	0.016	mg/kg	SW846 8270E
JE1296-16	**GRID-28-N1**					
No hits reported in this sample.						
JE1296-20	**GRID-28 E1**					
No hits reported in this sample.						
JE1296-24	**DUP-1**					
No hits reported in this sample.						
JE1296-26	**GRID-16(2.0-2.5)**					
No hits reported in this sample.						

Summary of Hits

Job Number: JE1296
Account: Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Collected: 11/21/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method

JE1296-28 **GRID-16-N1**

No hits reported in this sample.

JE1296-30 **GRID-16-S1**

No hits reported in this sample.

JE1296-32 **GRID-16-E1**

No hits reported in this sample.

JE1296-34 **GRID-16-W1**

No hits reported in this sample.

JE1296-36 **DUP-2**

No hits reported in this sample.

JE1296-38 **GRID-18(2.0-2.5)**

No hits reported in this sample.

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Client Sample ID:	GRID-26(2.0-2.5)		
Lab Sample ID:	JE1296-2	**Date Sampled:**	11/21/24
Matrix:	SO - Soil	**Date Received:**	11/21/24
Method:	SW846 8270E SW846 3546	**Percent Solids:**	95.2
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P163310.D	1	11/29/24 12:03	KLS	11/27/24 10:30	OP59724	EP7621
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
50-32-8	Benzo(a)pyrene	ND	0.034	0.016	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	54%		10-109%
321-60-8	2-Fluorobiphenyl	54%		11-109%
1718-51-0	Terphenyl-d14	68%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	GRID-26-N1		
Lab Sample ID:	JE1296-4	**Date Sampled:**	11/21/24
Matrix:	SO - Soil	**Date Received:**	11/21/24
Method:	SW846 8270E SW846 3546	**Percent Solids:**	94.3
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P163311.D	1	11/29/24 12:28	KLS	11/27/24 10:30	OP59724	EP7621
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
50-32-8	Benzo(a)pyrene	ND	0.035	0.016	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	34%		10-109%
321-60-8	2-Fluorobiphenyl	36%		11-109%
1718-51-0	Terphenyl-d14	43%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: GRID-26-S1
Lab Sample ID: JE1296-6
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/21/24
Date Received: 11/21/24
Percent Solids: 94.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P163312.D	1	11/29/24 12:52	KLS	11/27/24 10:30	OP59724	EP7621
Run #2							

	Initial Weight	Final Volume
Run #1	30.8 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
50-32-8	Benzo(a)pyrene	ND	0.034	0.016	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	60%		10-109%
321-60-8	2-Fluorobiphenyl	56%		11-109%
1718-51-0	Terphenyl-d14	63%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	GRID-26-E1		
Lab Sample ID:	JE1296-8	**Date Sampled:**	11/21/24
Matrix:	SO - Soil	**Date Received:**	11/21/24
Method:	SW846 8270E SW846 3546	**Percent Solids:**	94.3
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P163313.D	1	11/29/24 13:17	KLS	11/27/24 10:30	OP59724	EP7621
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
50-32-8	Benzo(a)pyrene	ND	0.035	0.016	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	48%		10-109%
321-60-8	2-Fluorobiphenyl	45%		11-109%
1718-51-0	Terphenyl-d14	48%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: GRID-26-W1
Lab Sample ID: JE1296-10
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/21/24
Date Received: 11/21/24
Percent Solids: 92.9

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P163314.D	1	11/29/24 13:41	KLS	11/27/24 10:30	OP59724	EP7621
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
50-32-8	Benzo(a)pyrene	ND	0.036	0.016	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	35%		10-109%
321-60-8	2-Fluorobiphenyl	44%		11-109%
1718-51-0	Terphenyl-d14	60%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	FB-1		
Lab Sample ID:	JE1296-12	**Date Sampled:**	11/21/24
Matrix:	AQ - Field Blank Soil	**Date Received:**	11/21/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2S011079.D	1	11/25/24 16:18	KA	n/a	n/a	V2S289
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane [a]	ND	1.0	0.45	ug/l	
75-25-2	Bromoform [b]	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane [c]	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB-1		
Lab Sample ID:	JE1296-12	**Date Sampled:**	11/21/24
Matrix:	AQ - Field Blank Soil	**Date Received:**	11/21/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%		80-120%
17060-07-0	1,2-Dichloroethane-D4	105%		80-120%
2037-26-5	Toluene-D8	94%		80-120%
460-00-4	4-Bromofluorobenzene	92%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact	1.06	6.9	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) This compound in blank spike is outside in house QC limits bias high.
(b) Associated CCV outside of control limits high, sample was ND.
(c) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	FB-1		
Lab Sample ID:	JE1296-12	**Date Sampled:**	11/21/24
Matrix:	AQ - Field Blank Soil	**Date Received:**	11/21/24
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F223211.D	1	11/29/24 15:26	KLS	11/27/24 14:30	OP59717	EF9917
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol [a]	ND	5.0	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.89	ug/l	
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: FB-1
Lab Sample ID: JE1296-12
Matrix: AQ - Field Blank Soil
Method: SW846 8270E SW846 3510C
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/21/24
Date Received: 11/21/24
Percent Solids: n/a

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine [a]	ND	2.0	0.51	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.66	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.50	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene [a]	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	ND	1.0	0.23	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	38%		10-71%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB-1		
Lab Sample ID:	JE1296-12	**Date Sampled:**	11/21/24
Matrix:	AQ - Field Blank Soil	**Date Received:**	11/21/24
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	26%		10-58%
118-79-6	2,4,6-Tribromophenol	82%		22-144%
4165-60-0	Nitrobenzene-d5	72%		28-118%
321-60-8	2-Fluorobiphenyl	69%		34-116%
1718-51-0	Terphenyl-d14	79%		10-127%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact	4.08	48	ug/l	J
	System artifact	4.17	15	ug/l	J
	System artifact	4.24	4.2	ug/l	J
	System artifact	4.28	40	ug/l	J
	Total TIC, Semi-Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	FB-1		
Lab Sample ID:	JE1296-12	**Date Sampled:**	11/21/24
Matrix:	AQ - Field Blank Soil	**Date Received:**	11/21/24
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G204038.D	1	11/27/24 05:01	CP	11/25/24 14:15	OP59697	G1G7312
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	5.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0050	0.0026	ug/l	
319-84-6	alpha-BHC	ND	0.0050	0.0026	ug/l	
319-85-7	beta-BHC	ND	0.0050	0.0040	ug/l	
319-86-8	delta-BHC	ND	0.0050	0.0033	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.0050	0.0030	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0050	0.0025	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0050	0.0021	ug/l	
57-74-9	Chlordane (alpha and gamma)	ND	0.0050	0.0021	ug/l	
60-57-1	Dieldrin	ND	0.0050	0.0038	ug/l	
72-54-8	4,4'-DDD	ND	0.0050	0.0029	ug/l	
72-55-9	4,4'-DDE	ND	0.0050	0.0025	ug/l	
50-29-3	4,4'-DDT	ND	0.0050	0.0034	ug/l	
72-20-8	Endrin	ND	0.0050	0.0030	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.0050	0.0027	ug/l	
7421-93-4	Endrin aldehyde	ND	0.0050	0.0034	ug/l	
53494-70-5	Endrin ketone	ND	0.0050	0.0031	ug/l	
959-98-8	Endosulfan-I	ND	0.0050	0.0026	ug/l	
33213-65-9	Endosulfan-II	ND	0.0050	0.0024	ug/l	
76-44-8	Heptachlor	ND	0.0050	0.0022	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.0050	0.0030	ug/l	
72-43-5	Methoxychlor	ND	0.010	0.0034	ug/l	
8001-35-2	Toxaphene	ND	0.13	0.082	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	88%		10-175%
877-09-8	Tetrachloro-m-xylene	89%		10-175%
2051-24-3	Decachlorobiphenyl	54%		10-128%
2051-24-3	Decachlorobiphenyl	53%		10-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	FB-1		
Lab Sample ID:	JE1296-12	**Date Sampled:**	11/21/24
Matrix:	AQ - Field Blank Soil	**Date Received:**	11/21/24
Method:	SW846 8082A EPA 608	**Percent Solids:**	n/a
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G143555.D	1	11/26/24 14:35	KC	11/25/24 14:15	OP59698	G3G5279
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	5.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.25	0.098	ug/l	
11104-28-2	Aroclor 1221	ND	0.25	0.21	ug/l	
11141-16-5	Aroclor 1232	ND	0.25	0.13	ug/l	
53469-21-9	Aroclor 1242	ND	0.25	0.23	ug/l	
12672-29-6	Aroclor 1248	ND	0.25	0.22	ug/l	
11097-69-1	Aroclor 1254	ND	0.25	0.21	ug/l	
11096-82-5	Aroclor 1260	ND	0.25	0.21	ug/l	
11100-14-4	Aroclor 1268	ND	0.25	0.087	ug/l	
37324-23-5	Aroclor 1262	ND	0.25	0.23	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	92%		10-169%
877-09-8	Tetrachloro-m-xylene	79%		10-169%
2051-24-3	Decachlorobiphenyl	54%		10-130%
2051-24-3	Decachlorobiphenyl	57%		10-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: FB-1
Lab Sample ID: JE1296-12
Matrix: AQ - Field Blank Soil
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/21/24
Date Received: 11/21/24
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	11/26/24	11/27/24	KP	SW846 6010D [2]	SW846 3010A [3]
Antimony	< 6.0	6.0	ug/l	1	11/26/24	11/27/24	KP	SW846 6010D [2]	SW846 3010A [3]
Arsenic	< 3.0	3.0	ug/l	1	11/26/24	11/27/24	KP	SW846 6010D [2]	SW846 3010A [3]
Barium	< 200	200	ug/l	1	11/26/24	11/27/24	KP	SW846 6010D [2]	SW846 3010A [3]
Beryllium	< 1.0	1.0	ug/l	1	11/26/24	11/27/24	KP	SW846 6010D [2]	SW846 3010A [3]
Cadmium	< 3.0	3.0	ug/l	1	11/26/24	11/27/24	KP	SW846 6010D [2]	SW846 3010A [3]
Calcium	< 5000	5000	ug/l	1	11/26/24	11/27/24	KP	SW846 6010D [2]	SW846 3010A [3]
Chromium	< 10	10	ug/l	1	11/26/24	11/27/24	KP	SW846 6010D [2]	SW846 3010A [3]
Cobalt	< 50	50	ug/l	1	11/26/24	11/27/24	KP	SW846 6010D [2]	SW846 3010A [3]
Copper	< 10	10	ug/l	1	11/26/24	11/27/24	KP	SW846 6010D [2]	SW846 3010A [3]
Iron	< 100	100	ug/l	1	11/26/24	11/27/24	KP	SW846 6010D [2]	SW846 3010A [3]
Lead	< 3.0	3.0	ug/l	1	11/26/24	11/27/24	KP	SW846 6010D [2]	SW846 3010A [3]
Magnesium	< 5000	5000	ug/l	1	11/26/24	11/27/24	KP	SW846 6010D [2]	SW846 3010A [3]
Manganese	< 15	15	ug/l	1	11/26/24	11/27/24	KP	SW846 6010D [2]	SW846 3010A [3]
Mercury	< 0.20	0.20	ug/l	1	11/26/24	11/27/24	MK	SW846 7470A [1]	SW846 7470A [4]
Nickel	< 10	10	ug/l	1	11/26/24	11/27/24	KP	SW846 6010D [2]	SW846 3010A [3]
Potassium	< 10000	10000	ug/l	1	11/26/24	11/27/24	KP	SW846 6010D [2]	SW846 3010A [3]
Selenium	< 10	10	ug/l	1	11/26/24	11/27/24	KP	SW846 6010D [2]	SW846 3010A [3]
Silver	< 10	10	ug/l	1	11/26/24	11/27/24	KP	SW846 6010D [2]	SW846 3010A [3]
Sodium	< 10000	10000	ug/l	1	11/26/24	11/27/24	KP	SW846 6010D [2]	SW846 3010A [3]
Thallium	< 10	10	ug/l	1	11/26/24	11/27/24	KP	SW846 6010D [2]	SW846 3010A [3]
Vanadium	< 50	50	ug/l	1	11/26/24	11/27/24	KP	SW846 6010D [2]	SW846 3010A [3]
Zinc	< 20	20	ug/l	1	11/26/24	11/27/24	KP	SW846 6010D [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA57386
(2) Instrument QC Batch: MA57390
(3) Prep QC Batch: MP51147
(4) Prep QC Batch: MP51190

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FB-1		
Lab Sample ID:	JE1296-12	**Date Sampled:**	11/21/24
Matrix:	AQ - Field Blank Soil	**Date Received:**	11/21/24
		Percent Solids:	n/a
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.010	0.010	mg/l	1	11/27/24 19:52	JD	EPA 335.4/LACHAT

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID: GRID-28(2.0-2.5)
Lab Sample ID: JE1296-14
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/21/24
Date Received: 11/21/24
Percent Solids: 93.0

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P163325.D	1	11/29/24 18:13	KLS	11/27/24 10:30	OP59724	EP7621
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
50-32-8	Benzo(a)pyrene	0.772	0.035	0.016	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	60%		10-109%
321-60-8	2-Fluorobiphenyl	60%		11-109%
1718-51-0	Terphenyl-d14	61%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: GRID-28-N1
Lab Sample ID: JE1296-16
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/21/24
Date Received: 11/21/24
Percent Solids: 95.0

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P163315.D	1	11/29/24 14:06	KLS	11/27/24 10:30	OP59724	EP7621
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
50-32-8	Benzo(a)pyrene	ND	0.034	0.016	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	57%		10-109%
321-60-8	2-Fluorobiphenyl	58%		11-109%
1718-51-0	Terphenyl-d14	66%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: GRID-28 E1
Lab Sample ID: JE1296-20
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/21/24
Date Received: 11/21/24
Percent Solids: 95.5

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P163316.D	1	11/29/24 14:31	KLS	11/27/24 10:30	OP59724	EP7621
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
50-32-8	Benzo(a)pyrene	ND	0.035	0.016	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	101%		10-109%
321-60-8	2-Fluorobiphenyl	118% [a]		11-109%
1718-51-0	Terphenyl-d14	150% [a]		10-120%

(a) Outside of control limits, but within reasonable method recovery limits.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	DUP-1		
Lab Sample ID:	JE1296-24	**Date Sampled:**	11/21/24
Matrix:	SO - Soil	**Date Received:**	11/21/24
Method:	SW846 8270E SW846 3546	**Percent Solids:**	97.1
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P163317.D	1	11/29/24 14:55	KLS	11/27/24 10:30	OP59724	EP7621
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
50-32-8	Benzo(a)pyrene	ND	0.034	0.016	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	49%		10-109%
321-60-8	2-Fluorobiphenyl	49%		11-109%
1718-51-0	Terphenyl-d14	55%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	GRID-16(2.0-2.5)		
Lab Sample ID:	JE1296-26	**Date Sampled:**	11/21/24
Matrix:	SO - Soil	**Date Received:**	11/21/24
Method:	SW846 8270E SW846 3546	**Percent Solids:**	91.6
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P163318.D	1	11/29/24 15:20	KLS	11/27/24 10:30	OP59724	EP7621
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
50-32-8	Benzo(a)pyrene	ND	0.036	0.016	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	34%		10-109%
321-60-8	2-Fluorobiphenyl	41%		11-109%
1718-51-0	Terphenyl-d14	59%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	GRID-16-N1		
Lab Sample ID:	JE1296-28	**Date Sampled:**	11/21/24
Matrix:	SO - Soil	**Date Received:**	11/21/24
Method:	SW846 8270E SW846 3546	**Percent Solids:**	92.0
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P163319.D	1	11/29/24 15:45	KLS	11/27/24 10:30	OP59724	EP7621
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
50-32-8	Benzo(a)pyrene	ND	0.036	0.016	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	9% [a]		10-109%
321-60-8	2-Fluorobiphenyl	21%		11-109%
1718-51-0	Terphenyl-d14	38%		10-120%

(a) Surrogate recovery marginally exceeded the lower statistical limit.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: GRID-16-S1
Lab Sample ID: JE1296-30
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/21/24
Date Received: 11/21/24
Percent Solids: 90.3

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P163320.D	1	11/29/24 16:09	KLS	11/27/24 10:30	OP59724	EP7621
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
50-32-8	Benzo(a)pyrene	ND	0.037	0.017	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	48%		10-109%
321-60-8	2-Fluorobiphenyl	48%		11-109%
1718-51-0	Terphenyl-d14	55%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: GRID-16-E1
Lab Sample ID: JE1296-32
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/21/24
Date Received: 11/21/24
Percent Solids: 92.5

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P163321.D	1	11/29/24 16:34	KLS	11/27/24 10:30	OP59724	EP7621
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
50-32-8	Benzo(a)pyrene	ND	0.036	0.016	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	40%		10-109%
321-60-8	2-Fluorobiphenyl	51%		11-109%
1718-51-0	Terphenyl-d14	67%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	GRID-16-W1		
Lab Sample ID:	JE1296-34	**Date Sampled:**	11/21/24
Matrix:	SO - Soil	**Date Received:**	11/21/24
Method:	SW846 8270E SW846 3546	**Percent Solids:**	92.4
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P163322.D	1	11/29/24 16:59	KLS	11/27/24 10:30	OP59724	EP7621
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
50-32-8	Benzo(a)pyrene	ND	0.036	0.016	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	5% [a]		10-109%
321-60-8	2-Fluorobiphenyl	18%		11-109%
1718-51-0	Terphenyl-d14	32%		10-120%

(a) Outside control limits. Associated analytes not needed in the client sample.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: DUP-2
Lab Sample ID: JE1296-36
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/21/24
Date Received: 11/21/24
Percent Solids: 92.6

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P163323.D	1	11/29/24 17:23	KLS	11/27/24 10:30	OP59724	EP7621
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
50-32-8	Benzo(a)pyrene	ND	0.036	0.016	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	47%		10-109%
321-60-8	2-Fluorobiphenyl	47%		11-109%
1718-51-0	Terphenyl-d14	50%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: GRID-18(2.0-2.5)
Lab Sample ID: JE1296-38
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/21/24
Date Received: 11/21/24
Percent Solids: 96.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P163324.D	1	11/29/24 17:48	KLS	11/27/24 10:30	OP59724	EP7621
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
56-55-3	Benzo(a)anthracene	ND	0.034	0.0097	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.034	0.016	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	37%		10-109%
321-60-8	2-Fluorobiphenyl	36%		11-109%
1718-51-0	Terphenyl-d14	39%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

Page 1 of 1

FED-EX Tracking #:
Bottle Order Control #: KREM-TM-114924-243
SGS Quote #:
SGS Job #: JE1296

Client / Reporting Information

Company Name: Matrix New World Engineering
Street Address: 26 Columbia Tpke.
City / State / Zip: Florham Park NJ 07932
Project Contact / E-mail: Melissa Feury mfeury@mnwe.com
Phone #: 201-857-2638
Sampler(s) Name(s) / Phone #: Daniel Lavallo 973 865-5805

Project Information

Project Name: Ridgewood - Shedboat Property
Street: 460 W. Saddle River Rd
City / State: Ridgewood NJ
Project #: 23-1429
Client Purchase Order #: 2024 3716
Project Manager: Melissa Feury

Billing Information (if different from Report to)

Company Name:
Street Address: SAME
City / State / Zip:
Attention:

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED - Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB - Equipment Blank; RB - Rinse Blank; TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) / Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	Benzo(a)pyrene	TCL/Pesticides w/ Matrix Spike	~~Cyanide + Hold~~	TCL/TAL + 30	pH Check (Lab Use Only)	LAB USE ONLY
1	Grid-26R		11/21/24	0930	DL	G		S	1													H	E94
2	Grid-26 (2.0-2.5)			0940														X				H	A46
3	Grid-26 (2.5-3)			0945																			03072
4	Grid-26-N1			0955														X				H	V501
5	Grid-26-N2			1050																			046
6	Grid-26-S1			1030														X				H	
7	Grid-26-S2			1110																			
8	Grid-26-E1			1020														X				H	
9	Grid-26-E2			1055																			
10	Grid-26-W1			1045														X				H	
11	Grid-26-W2			1042																			
12	FB-1			1530				FB	6	1		1									X		

Initial Assessment ZAHR
Label Verification

Turn Around Time (Business Days)

Approved By (SGS PM) / Date: Standard

- [ ] 10 Business Days
- [x] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via SGS Engage. * Approval needed for 1-3 BD TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [x] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [ ] EDD Format

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

X = RUN
H = Extract + Hold

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by:	Date / Time:	Received By:	Date / Time:
1	D'Lavallo	11/21/24 1610		11/21/24 16:10
2			Relinquished By:	11/21/24 18:51
3	Relinquished by:	Date / Time:	Received By:	
4			Relinquished By:	Date / Time:
5	Relinquished by:	Date / Time:	Received By:	
6			Custody Seal #	Intact / Not intact / Absent

Received By: 2 James Kuna
Received By: 4
Therm ID: See Sample Receipt Summary
On Ice
Cooler Temp. °C: 3.7
3.1 IR-50

EHSA-QAC-0023-05 Rev.Date:8/5/22

JE1296: Chain of Custody
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CHAIN OF CUSTODY

SGS North America Inc. - Dayton
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www.sgs.com/ehsusa

FED-EX Tracking # | Bottle Order Control #
SGS Quote # | SGS Job # JE1296

Client / Reporting Information

Company Name: Matrix Engineering
Street Address: 26 Columbia TPK
City State Zip: Florham Park NJ 07932
Project Contact E-mail: MelissaFreny
Phone #: 201 657-2638
Sampler(s) Name(s) Phone #: Daniel Cavallo

Project Information

Project Name: Ridgewood - Schindler
Street: 1400 Saddle River Rd
City State: Ridgewood NJ
Project #: 23-1429
Client Purchase Order #: 2024 3714
Project Manager: Melissa Freny

Billing Information (if different from Report to)

Company Name
Street Address
City State Zip
Attention: SAME

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB-Equipment Blank; RB - Rinse Blank; TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	Benzo(a)pyrene TCL Pesticides w/ Matrix Spike	pH Check (Lab Use Only)	LAB USE ONLY
13	Grid-28R		11/21/24	1115	DC	G		S											H	
14	Grid-28(20-25)			1200														X	H	
15	Grid-28(25-3)			1205														H	X	
16	Grid-28-N1			1210														X	H	
17	Grid-28-N2			1215														H	H	
18	Grid-28-S1			1250														H	H	
19	Grid-28-S2			1300														H	X	
20	Grid-28E1			1225														X	H	
21	Grid-28E2			1240														H	H	
22	Grid-28-W1			1150														H	H	
23	Grid-28-W2			1140														H	X	
24	DUP-1			1230														X		

Turn Around Time (Business Days)

Approved By (SGS PM) / Date: Standard

- [ ] 10 Business Days
- [x] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via SGS Engage
* Approval needed for 1-3 BD TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [x] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [ ] EDD Format

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

X = Run
H = Hold

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished By	Date / Time	Received By	Date / Time
1	D Cavallo	11/21/24 1610		11/21/24 1610
2				11/21/24 15:31
3				
4				
5				

Custody Seal # | Intact | Not intact | Absent
Therm ID: | On Ice | Cooler Temp. °C | See Sample Receipt Summary

EHSA-QAC-0023-05 Rev.Date 8/5/22

5.1 5

JE1296: Chain of Custody
Page 2 of 7

CHAIN OF CUSTODY

Page 3 of 4

SGS North America Inc. - Dayton
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TEL. 732-329-0200
www.sgs.com/ehsusa

FED-EX Tracking # | Bottle Order Control #
SGS Quote # | SGS Job # JE1296

Client / Reporting Information

Company Name: Mann Engineering
Street Address:
City State Zip
Project Contact: E-mail:
Phone #
Sampler(s) Name(s): Phone #

Project Information

Project Name: Ridgefield - Schneider
Street:
City State
Project #: 23-1429
Client Purchase Order #: 2024 3714
Project Manager:
Attention:

Billing Information (if different from Report to)

Company Name: SAME
Street Address:
City State Zip

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED - Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB - Equipment Blank; RB - Rinse Blank; TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	Number of Bottles # of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	Benzo(a)pyrene	TCL Pesticides (Aldrin+Gamma-BHC)	Gamma-BHC + HOLD	pH Check (Lab Use Only)	LAB USE ONLY
25	Grid-16R		11/21/24	1320	DC	G		S	1												H	
26	Grid-16 (2.0-2.5)			1325														X			H	
27	Grid-16 (2.5-3)			1330															H		X	
28	Grid-16-N1			1400														X			H	
29	Grid-16-N2			1405															H		X	
30	Grid-16-S1			1410														X			H	
31	Grid-16-S2			1420															H		X	
32	Grid-16-E1			1330														X			H	
33	Grid-16-E2			1340															H		X	
34	Grid-16-W1			1345														X			H	
35	Grid-16-W2			1355															H		X	
36	DUP-2			1335														X			H	

Turn Around Time (Business Days)

Approved By (SGS PM) / Date: Standard

- [ ] 10 Business Days
- [X] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via SGS Engage
* Approval needed for 1-3 BD TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [X] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [ ] EDD Format

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

X = Run
H = Extract + Hold

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by: 1	Date / Time: 11/21/24 1610	Received By: 1	Relinquished By: 2	Date / Time: 11/21/24 1830	Received By: 2
Relinquished by: 3	Date / Time:	Received By: 3	Relinquished By: 4	Date / Time:	Received By: 4
Relinquished by: 5	Date / Time:	Received By: 5	Custody Seal #	Intact / Not intact / Absent	Therm ID: / See Sample Receipt Summary / On Ice / Cooler Temp. °C

EHSA-QAC-0023-05 Rev.Date:8/5/22

JE1296: Chain of Custody
Page 3 of 7

CHAIN OF CUSTODY

SGS

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

FED-EX Tracking # | Bottle Order Control #
SGS Quote # | SGS Job # JE1296

Client / Reporting Information

Company Name: Matrix New World Engineering
Street Address: SAME
City State Zip
Project Contact E-mail
Phone #
Sampler(s) Name(s) Phone #

Project Information

Project Name:
Street
City State
Project #
Client Purchase Order # 2024 3716
Project Manager
Billing Information (if different from Report to)
Company Name: SAME
Street Address
City State Zip
Attention:

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED - Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB - Equipment Blank; RB - Rinse Blank; TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	Number of Bottles # of bottles	HCl	Na_2OH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)				LAB USE ONLY
37	Grid-18R		11/14/24	1515	DC	G		S	1					1						H		
38	Grid-18 (2.0-2.5)		↓	1520	↓	G		↓	1					1					X H	X H		
39	Grid-18 (2.5-3)			1525		G			1					1								

Turn Around Time (Business Days)

Approved By (SGS PM) / Date: standard

- [ ] 10 Business Days
- [x] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via SGS Engage
* Approval needed for 1-3 BD TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [x] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [ ] EDD Format

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

X = Run
H = Extract + Hold

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1		11/21/24 1610				2
3			3	4		4
5			5	Custody Seal #	Intact / Not Intact / Absent	Therm ID: / On Ice / Cooler Temp. °C / See Sample Receipt Summary

EHSA-QAC-0023-05 Rev.Date:8/5/22

SGS Sample Receipt Summary

Job Number: JE1296 **Client:** MATRIX NEW WORLD ENGINEERING, IN **Project:** RIDGEWOOD BERM SAMPLING, RIDGE

Date / Time Received: 11/21/2024 6:31:00 PM **Delivery Method:** COURIER **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (3.7); Cooler 2: (3.1);

Cooler Temps (Corrected) °C: Cooler 1: (4.1); Cooler 2: (3.5);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR-50		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	2		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

Job Change Order: JE1296

Requested Date:	11/27/2024	**Received Date:**	11/21/2024
Account Name:	Matrix New World Engineering, In	**Due Date:**	11/27/2024
Project Description:	Ridgewood Berm Sampling, Ridgewood, NJ	**Deliverable:**	REDT2
C/O Initiated By:	LOUIE_DEV **PM:** TM	**TAT (Days):**	13

==========

Sample #: JE1296-1, 13, 25, 37 **Dept:**

Client ID: **TAT:** 13

Change: Samples off HOLD for P8081PESTTCLAO and SOL104

Above Changes Per: Melissa Feury **Date/Time:** 11/27/2024

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

Job Change Order: JE1296

Requested Date:	12/4/2024	**Received Date:**	11/21/2024
Account Name:	Matrix New World Engineering, In	**Due Date:**	12/4/2024
Project Description:	Ridgewood Berm Sampling, Ridgewood, NJ	**Deliverable:**	REDT2
C/O Initiated By:	TAMMY_MC **PM:** TM	**TAT (Days):**	6

==========

Sample #: JE1296-1R, 13R, 25R, 37R **Dept:**

Client ID: **TAT:** 6

Change: Move to "R" job number and revise deliverables to FULT1

Above Changes Per: Melissa Feury **Date/Time:** 12/4/2024

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

Internal Sample Tracking Chronicle

Matrix New World Engineering, Inc.

Job No: JE1296

Ridgewood Berm Sampling, Ridgewood, NJ
Project No: 23-1429; PO#20243716

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JE1296-2	Collected: 21-NOV-24 09:40 By: DC		Received: 21-NOV-24		By: JK	
GRID-26(2.0-2.5)						
JE1296-2	SM2540 G 18TH ED MOD	27-NOV-24 15:00	AM			SOL104
JE1296-2	SW846 8270E	29-NOV-24 12:03	KLS	27-NOV-24	KB	B8270BAPYRN
JE1296-4	Collected: 21-NOV-24 09:55 By: DC		Received: 21-NOV-24		By: JK	
GRID-26-N1						
JE1296-4	SM2540 G 18TH ED MOD	27-NOV-24 15:00	AM			SOL104
JE1296-4	SW846 8270E	29-NOV-24 12:28	KLS	27-NOV-24	KB	B8270BAPYRN
JE1296-6	Collected: 21-NOV-24 10:30 By: DC		Received: 21-NOV-24		By: JK	
GRID-26-S1						
JE1296-6	SM2540 G 18TH ED MOD	27-NOV-24 15:00	AM			SOL104
JE1296-6	SW846 8270E	29-NOV-24 12:52	KLS	27-NOV-24	KB	B8270BAPYRN
JE1296-8	Collected: 21-NOV-24 10:20 By: DC		Received: 21-NOV-24		By: JK	
GRID-26-E1						
JE1296-8	SM2540 G 18TH ED MOD	27-NOV-24 15:00	AM			SOL104
JE1296-8	SW846 8270E	29-NOV-24 13:17	KLS	27-NOV-24	KB	B8270BAPYRN
JE1296-10	Collected: 21-NOV-24 10:45 By: DC		Received: 21-NOV-24		By: JK	
GRID-26-W1						
JE1296-10	SM2540 G 18TH ED MOD	27-NOV-24 15:00	AM			SOL104
JE1296-10	SW846 8270E	29-NOV-24 13:41	KLS	27-NOV-24	KB	B8270BAPYRN
JE1296-12	Collected: 21-NOV-24 15:30 By: DC		Received: 21-NOV-24		By: JK	
FB-1						
JE1296-12	SW846 8260D	25-NOV-24 16:18	KA			V8260TCL20+
JE1296-12	SW846 8082A	26-NOV-24 14:35	KC	25-NOV-24	GA	P8082PCB11AO
JE1296-12	SW846 6010D	27-NOV-24 02:38	KP	26-NOV-24	BP	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN
JE1296-12	SW846 8081B	27-NOV-24 05:01	CP	25-NOV-24	GA	P8081PESTTCL
JE1296-12	SW846 7470A	27-NOV-24 12:29	MK	26-NOV-24	MK	HG

Internal Sample Tracking Chronicle

Matrix New World Engineering, Inc.

Job No: JE1296

Ridgewood Berm Sampling, Ridgewood, NJ
Project No: 23-1429; PO#20243716

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JE1296-12	EPA 335.4/LACHAT	27-NOV-24 19:52	JD	27-NOV-24	RB	CN
JE1296-12	SW846 8270E	29-NOV-24 15:26	KLS	27-NOV-24	GA	AB8270TCL20+
JE1296-14	Collected: 21-NOV-24 12:00 By: DC			Received: 21-NOV-24	By: JK	
GRID-28(2.0-2.5)						
JE1296-14	SM2540 G 18TH ED MOD.	27-NOV-24 15:00	AM			SOL104
JE1296-14	SW846 8270E	29-NOV-24 18:13	KLS	27-NOV-24	KB	B8270BAPYRN
JE1296-16	Collected: 21-NOV-24 12:10 By: DC			Received: 21-NOV-24	By: JK	
GRID-28-N1						
JE1296-16	SM2540 G 18TH ED MOD.	27-NOV-24 15:00	AM			SOL104
JE1296-16	SW846 8270E	29-NOV-24 14:06	KLS	27-NOV-24	KB	B8270BAPYRN
JE1296-20	Collected: 21-NOV-24 12:25 By: DC			Received: 21-NOV-24	By: JK	
GRID-28 E1						
JE1296-20	SM2540 G 18TH ED MOD.	27-NOV-24 15:00	AM			SOL104
JE1296-20	SW846 8270E	29-NOV-24 14:31	KLS	27-NOV-24	KB	B8270BAPYRN
JE1296-24	Collected: 21-NOV-24 12:30 By: DC			Received: 21-NOV-24	By: JK	
DUP-1						
JE1296-24	SM2540 G 18TH ED MOD.	27-NOV-24 15:00	AM			SOL104
JE1296-24	SW846 8270E	29-NOV-24 14:55	KLS	27-NOV-24	KB	B8270BAPYRN
JE1296-26	Collected: 21-NOV-24 13:25 By: DC			Received: 21-NOV-24	By: JK	
GRID-16(2.0-2.5)						
JE1296-26	SM2540 G 18TH ED MOD.	27-NOV-24 15:00	AM			SOL104
JE1296-26	SW846 8270E	29-NOV-24 15:20	KLS	27-NOV-24	KB	B8270BAPYRN
JE1296-28	Collected: 21-NOV-24 14:00 By: DC			Received: 21-NOV-24	By: JK	
GRID-16-N1						
JE1296-28	SM2540 G 18TH ED MOD.	27-NOV-24 15:00	AM			SOL104
JE1296-28	SW846 8270E	29-NOV-24 15:45	KLS	27-NOV-24	KB	B8270BAPYRN

Internal Sample Tracking Chronicle

Matrix New World Engineering, Inc.

Job No: JE1296

Ridgewood Berm Sampling, Ridgewood, NJ
Project No: 23-1429; PO#20243716

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JE1296-30	Collected: 21-NOV-24 14:10 By: DC		Received: 21-NOV-24 By: JK			
GRID-16-S1						
JE1296-30	SM2540 G 18TH ED MOD	27-NOV-24 15:00	AM			SOL104
JE1296-30	SW846 8270E	29-NOV-24 16:09	KLS	27-NOV-24	KB	B8270BAPYRN
JE1296-32	Collected: 21-NOV-24 13:30 By: DC		Received: 21-NOV-24 By: JK			
GRID-16-E1						
JE1296-32	SM2540 G 18TH ED MOD	27-NOV-24 15:00	AM			SOL104
JE1296-32	SW846 8270E	29-NOV-24 16:34	KLS	27-NOV-24	KB	B8270BAPYRN
JE1296-34	Collected: 21-NOV-24 13:45 By: DC		Received: 21-NOV-24 By: JK			
GRID-16-W1						
JE1296-34	SM2540 G 18TH ED MOD	27-NOV-24 15:30	AM			SOL104
JE1296-34	SW846 8270E	29-NOV-24 16:59	KLS	27-NOV-24	KB	B8270BAPYRN
JE1296-36	Collected: 21-NOV-24 13:35 By: DC		Received: 21-NOV-24 By: JK			
DUP-2						
JE1296-36	SM2540 G 18TH ED MOD	27-NOV-24 15:30	AM			SOL104
JE1296-36	SW846 8270E	29-NOV-24 17:23	KLS	27-NOV-24	KB	B8270BAPYRN
JE1296-38	Collected: 21-NOV-24 15:20 By: DC		Received: 21-NOV-24 By: JK			
GRID-18(2.0-2.5)						
JE1296-38	SM2540 G 18TH ED MOD	27-NOV-24 15:30	AM			SOL104
JE1296-38	SW846 8270E	29-NOV-24 17:48	KLS	27-NOV-24	KB	B8270BAPYRN,BMS+ BANTH

SGS Internal Chain of Custody

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Received: 11/21/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE1296-1.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:10	Return to Storage
JE1296-1.1	Secured Storage	Dave Hunkele	11/30/24 14:13	Retrieve from Storage
JE1296-1.1	Dave Hunkele	Secured Staging Area	11/30/24 14:17	Return to Storage
JE1296-1.1	Secured Staging Area	Alejandra Cruz	12/01/24 11:23	Retrieve from Storage
JE1296-1.1	Alejandra Cruz	Secured Staging Area	12/01/24 17:09	Return to Storage
JE1296-1.1	Secured Staging Area	Ellen Dondeo	12/02/24 08:19	Retrieve from Storage
JE1296-1.1	Ellen Dondeo	Erin Burke	12/02/24 10:49	Custody Transfer
JE1296-1.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-1.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-1.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-1.1	Erin Burke	Secured Storage	12/02/24 19:40	Return to Storage
JE1296-1.1.1	Erin Burke	Organics Prep	12/02/24 11:14	Extract from JE1296-1.1
JE1296-1.1.1	Organics Prep	Erin Burke	12/02/24 17:36	Extract from JE1296-1.1
JE1296-1.1.1	Erin Burke	Extract Storage	12/02/24 17:36	Return to Storage
JE1296-2.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:10	Return to Storage
JE1296-2.1	Secured Storage	Odalis Rodriguez	11/26/24 09:53	Retrieve from Storage
JE1296-2.1	Odalis Rodriguez	Erin Burke	11/26/24 12:39	Custody Transfer
JE1296-2.1	Secured Storage	Aleandi Rodriguez	11/26/24 20:39	Retrieve from Storage
stage				
JE1296-2.1	Aleandi Rodriguez	Secured Staging Area	11/26/24 20:39	Return to Storage
JE1296-2.1	Secured Staging Area	Alejandra Cruz	11/27/24 07:13	Retrieve from Storage
JE1296-2.1	Alejandra Cruz	Ellen Dondeo	11/27/24 15:02	Custody Transfer
JE1296-2.1	Ellen Dondeo	Erin Burke	12/02/24 10:49	Custody Transfer
JE1296-2.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-2.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-2.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-2.1	Erin Burke	Secured Storage	12/02/24 19:40	Return to Storage
JE1296-2.1.1	Erin Burke	Organics Prep	11/26/24 12:46	Extract from JE1296-2.1
JE1296-3.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:10	Return to Storage
JE1296-3.1	Secured Storage	Dave Hunkele	11/30/24 14:13	Retrieve from Storage
JE1296-3.1	Dave Hunkele	Secured Staging Area	11/30/24 14:17	Return to Storage
JE1296-3.1	Secured Staging Area	Alejandra Cruz	12/01/24 11:23	Retrieve from Storage
JE1296-3.1	Alejandra Cruz	Secured Staging Area	12/01/24 17:09	Return to Storage
JE1296-3.1	Secured Staging Area	Ellen Dondeo	12/02/24 08:19	Retrieve from Storage

SGS Internal Chain of Custody

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Received: 11/21/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE1296-3.1	Ellen Dondeo	Erin Burke	12/02/24 10:49	Custody Transfer
JE1296-3.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-3.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-3.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-3.1	Erin Burke	Secured Storage	12/02/24 19:40	Return to Storage
JE1296-3.1.1	Alejandra Cruz	Organics Prep	12/01/24 11:26	Extract from JE1296-3.1
JE1296-3.1.1	Organics Prep	Daniela Frey	12/02/24 16:38	Extract from JE1296-3.1
JE1296-3.1.1	Daniela Frey	Extract Storage	12/02/24 16:38	Return to Storage
JE1296-4.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:10	Return to Storage
JE1296-4.1	Secured Storage	Odalis Rodriguez	11/26/24 09:53	Retrieve from Storage
JE1296-4.1	Odalis Rodriguez	Erin Burke	11/26/24 12:39	Custody Transfer
JE1296-4.1	Secured Storage	Aleandi Rodriguez	11/26/24 20:39	Retrieve from Storage
stage				
JE1296-4.1	Aleandi Rodriguez	Secured Staging Area	11/26/24 20:39	Return to Storage
JE1296-4.1	Secured Staging Area	Alejandra Cruz	11/27/24 07:13	Retrieve from Storage
JE1296-4.1	Alejandra Cruz	Ellen Dondeo	11/27/24 15:02	Custody Transfer
JE1296-4.1	Ellen Dondeo	Erin Burke	12/02/24 10:49	Custody Transfer
JE1296-4.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-4.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-4.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-4.1	Erin Burke	Secured Storage	12/02/24 19:40	Return to Storage
JE1296-4.1.1	Erin Burke	Organics Prep	11/26/24 12:46	Extract from JE1296-4.1
JE1296-5.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:10	Return to Storage
JE1296-5.1	Secured Storage	Dave Hunkele	11/30/24 14:13	Retrieve from Storage
JE1296-5.1	Dave Hunkele	Secured Staging Area	11/30/24 14:17	Return to Storage
JE1296-5.1	Secured Staging Area	Alejandra Cruz	12/01/24 11:23	Retrieve from Storage
JE1296-5.1	Alejandra Cruz	Secured Staging Area	12/01/24 17:09	Return to Storage
JE1296-5.1	Secured Staging Area	Ellen Dondeo	12/02/24 08:19	Retrieve from Storage
JE1296-5.1	Ellen Dondeo	Erin Burke	12/02/24 10:49	Custody Transfer
JE1296-5.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-5.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-5.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer

SGS Internal Chain of Custody

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Received: 11/21/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
Analyst unavailable for custody transfer.				
JE1296-5.1	Erin Burke	Secured Storage	12/02/24 19:40	Return to Storage
JE1296-5.1.1	Alejandra Cruz	Organics Prep	12/01/24 11:26	Extract from JE1296-5.1
JE1296-5.1.1	Organics Prep	Daniela Frey	12/02/24 16:38	Extract from JE1296-5.1
JE1296-5.1.1	Daniela Frey	Extract Storage	12/02/24 16:38	Return to Storage
JE1296-6.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:10	Return to Storage
JE1296-6.1	Secured Storage	Odalis Rodriguez	11/26/24 09:53	Retrieve from Storage
JE1296-6.1	Odalis Rodriguez	Erin Burke	11/26/24 12:39	Custody Transfer
JE1296-6.1	Secured Storage	Aleandi Rodriguez	11/26/24 20:39	Retrieve from Storage
stage				
JE1296-6.1	Aleandi Rodriguez	Secured Staging Area	11/26/24 20:39	Return to Storage
JE1296-6.1	Secured Staging Area	Alejandra Cruz	11/27/24 07:13	Retrieve from Storage
JE1296-6.1	Alejandra Cruz	Ellen Dondeo	11/27/24 15:02	Custody Transfer
JE1296-6.1	Ellen Dondeo	Erin Burke	12/02/24 10:49	Custody Transfer
JE1296-6.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-6.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-6.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-6.1	Erin Burke	Secured Storage	12/02/24 19:40	Return to Storage
JE1296-6.1.1	Erin Burke	Organics Prep	11/26/24 12:46	Extract from JE1296-6.1
JE1296-7.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:10	Return to Storage
JE1296-7.1	Secured Storage	Dave Hunkele	11/30/24 14:13	Retrieve from Storage
JE1296-7.1	Dave Hunkele	Secured Staging Area	11/30/24 14:17	Return to Storage
JE1296-7.1	Secured Staging Area	Alejandra Cruz	12/01/24 11:23	Retrieve from Storage
JE1296-7.1	Alejandra Cruz	Secured Staging Area	12/01/24 17:09	Return to Storage
JE1296-7.1	Secured Staging Area	Ellen Dondeo	12/02/24 08:19	Retrieve from Storage
JE1296-7.1	Ellen Dondeo	Erin Burke	12/02/24 10:49	Custody Transfer
JE1296-7.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-7.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-7.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-7.1	Erin Burke	Secured Storage	12/02/24 19:40	Return to Storage
JE1296-7.1.1	Alejandra Cruz	Organics Prep	12/01/24 11:26	Extract from JE1296-7.1
JE1296-7.1.1	Organics Prep	Daniela Frey	12/02/24 16:38	Extract from JE1296-7.1
JE1296-7.1.1	Daniela Frey	Extract Storage	12/02/24 16:38	Return to Storage

SGS Internal Chain of Custody

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Received: 11/21/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE1296-8.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:10	Return to Storage
JE1296-8.1	Secured Storage	Odalis Rodriguez	11/26/24 09:53	Retrieve from Storage
JE1296-8.1	Odalis Rodriguez	Erin Burke	11/26/24 12:39	Custody Transfer
JE1296-8.1	Secured Storage	Aleandi Rodriguez	11/26/24 20:39	Retrieve from Storage
stage				
JE1296-8.1	Aleandi Rodriguez	Secured Staging Area	11/26/24 20:39	Return to Storage
JE1296-8.1	Secured Staging Area	Alejandra Cruz	11/27/24 07:13	Retrieve from Storage
JE1296-8.1	Alejandra Cruz	Ellen Dondeo	11/27/24 15:02	Custody Transfer
JE1296-8.1	Ellen Dondeo	Erin Burke	12/02/24 10:49	Custody Transfer
JE1296-8.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-8.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-8.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-8.1	Erin Burke	Secured Storage	12/02/24 19:40	Return to Storage
JE1296-8.1.1	Erin Burke	Organics Prep	11/26/24 12:46	Extract from JE1296-8.1
JE1296-9.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:10	Return to Storage
JE1296-9.1	Secured Storage	Dave Hunkele	11/30/24 14:13	Retrieve from Storage
JE1296-9.1	Dave Hunkele	Secured Staging Area	11/30/24 14:17	Return to Storage
JE1296-9.1	Secured Staging Area	Alejandra Cruz	12/01/24 11:23	Retrieve from Storage
JE1296-9.1	Alejandra Cruz	Secured Staging Area	12/01/24 17:09	Return to Storage
JE1296-9.1	Secured Staging Area	Ellen Dondeo	12/02/24 08:19	Retrieve from Storage
JE1296-9.1	Ellen Dondeo	Erin Burke	12/02/24 10:49	Custody Transfer
JE1296-9.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-9.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-9.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-9.1	Erin Burke	Secured Storage	12/02/24 19:40	Return to Storage
JE1296-9.1.1	Alejandra Cruz	Organics Prep	12/01/24 11:26	Extract from JE1296-9.1
JE1296-9.1.1	Organics Prep	Daniela Frey	12/02/24 16:38	Extract from JE1296-9.1
JE1296-9.1.1	Daniela Frey	Extract Storage	12/02/24 16:38	Return to Storage
JE1296-10.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:10	Return to Storage
JE1296-10.1	Secured Storage	Odalis Rodriguez	11/26/24 09:53	Retrieve from Storage
JE1296-10.1	Odalis Rodriguez	Erin Burke	11/26/24 12:39	Custody Transfer
JE1296-10.1	Secured Storage	Aleandi Rodriguez	11/26/24 20:39	Retrieve from Storage
stage				

SGS Internal Chain of Custody

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Received: 11/21/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE1296-10.1	Aleandi Rodriguez	Secured Staging Area	11/26/24 20:39	Return to Storage
JE1296-10.1	Secured Staging Area	Alejandra Cruz	11/27/24 07:13	Retrieve from Storage
JE1296-10.1	Alejandra Cruz	Ellen Dondeo	11/27/24 15:02	Custody Transfer
JE1296-10.1	Ellen Dondeo	Erin Burke	12/02/24 10:49	Custody Transfer
JE1296-10.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-10.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-10.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-10.1	Erin Burke	Secured Storage	12/02/24 19:40	Return to Storage
JE1296-10.1.1	Erin Burke	Organics Prep	11/26/24 12:46	Extract from JE1296-10.1
JE1296-11.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:10	Return to Storage
JE1296-11.1	Secured Storage	Dave Hunkele	11/30/24 14:13	Retrieve from Storage
JE1296-11.1	Dave Hunkele	Secured Staging Area	11/30/24 14:17	Return to Storage
JE1296-11.1	Secured Staging Area	Alejandra Cruz	12/01/24 11:23	Retrieve from Storage
JE1296-11.1	Alejandra Cruz	Secured Staging Area	12/01/24 17:09	Return to Storage
JE1296-11.1	Secured Staging Area	Ellen Dondeo	12/02/24 08:19	Retrieve from Storage
JE1296-11.1	Ellen Dondeo	Erin Burke	12/02/24 10:49	Custody Transfer
JE1296-11.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-11.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-11.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-11.1	Erin Burke	Secured Storage	12/02/24 19:40	Return to Storage
JE1296-11.1.1	Alejandra Cruz	Organics Prep	12/01/24 11:26	Extract from JE1296-11.1
JE1296-11.1.1	Organics Prep	Daniela Frey	12/02/24 16:38	Extract from JE1296-11.1
JE1296-11.1.1	Daniela Frey	Extract Storage	12/02/24 16:38	Return to Storage
JE1296-12.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:10	Return to Storage
JE1296-12.1	Secured Storage	Joe Waddington	11/25/24 22:54	Retrieve from Storage
JE1296-12.1	Joe Waddington	Secured Staging Area	11/25/24 22:54	Return to Storage
JE1296-12.1	Secured Staging Area	Ayse Yilmaz	11/26/24 09:08	Retrieve from Storage
JE1296-12.1	Ayse Yilmaz	Secured Storage	11/26/24 16:51	Return to Storage
JE1296-12.1	Secured Storage	Ayse Yilmaz	11/27/24 07:43	Retrieve from Storage
JE1296-12.1	Ayse Yilmaz		11/27/24 14:25	Depleted
JE1296-12.1.1	Ayse Yilmaz	Organics Prep	11/27/24 07:43	Extract from JE1296-12.1
JE1296-12.2	Aleandi Rodriguez	Secured Storage	11/23/24 17:10	Return to Storage

SGS Internal Chain of Custody

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Received: 11/21/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE1296-12.3	Aleandi Rodriguez	Secured Storage	11/23/24 17:10	Return to Storage
JE1296-12.4	Aleandi Rodriguez	Secured Storage	11/23/24 17:10	Return to Storage
JE1296-12.4	Secured Storage	Ayse Yilmaz	11/25/24 11:46	Retrieve from Storage
JE1296-12.4	Ayse Yilmaz		11/25/24 15:20	Depleted
JE1296-12.4.1	Ayse Yilmaz	Organics Prep	11/25/24 11:49	Extract from JE1296-12.4
JE1296-12.4.2	Ayse Yilmaz	Organics Prep	11/25/24 11:51	Extract from JE1296-12.4
JE1296-12.5	James Kwon	Secured Storage	11/23/24 17:17	Return to Storage
JE1296-12.5	Secured Storage	Joe Waddington	11/25/24 22:25	Retrieve from Storage
JE1296-12.5	Joe Waddington	Secured Staging Area	11/25/24 22:25	Return to Storage
JE1296-12.5	Secured Staging Area	Brianna Perez	11/26/24 06:10	Retrieve from Storage
JE1296-12.5	Brianna Perez	Secured Storage	11/27/24 06:27	Return to Storage
JE1296-12.6	James Kwon	Secured Storage	11/23/24 17:17	Return to Storage
JE1296-12.6	Secured Storage	Dave Hunkele	11/27/24 06:49	Retrieve from Storage
JE1296-12.6	Dave Hunkele	Secured Staging Area	11/27/24 06:49	Return to Storage
JE1296-12.6	Secured Staging Area	Riley Braun	11/27/24 09:43	Retrieve from Storage
JE1296-12.6	Riley Braun	Melissa Saenz	11/27/24 17:31	Custody Transfer
JE1296-12.6	Melissa Saenz	Secured Storage	11/27/24 19:25	Return to Storage
JE1296-12.7	James Kwon	Secured Storage	11/23/24 17:01	Return to Storage
JE1296-12.7	Secured Storage	Kevin Arizapana	11/25/24 14:53	Retrieve from Storage
JE1296-12.7	Kevin Arizapana	GCMS2S	11/25/24 14:53	Load on Instrument
JE1296-12.7	GCMS2S	Kevin Arizapana	11/26/24 14:36	Unload from Instrument
JE1296-12.7	Kevin Arizapana	Secured Storage	11/26/24 14:36	Return to Storage
JE1296-12.8	James Kwon	Secured Storage	11/23/24 17:01	Return to Storage
JE1296-12.9	James Kwon	Secured Storage	11/23/24 17:01	Return to Storage
JE1296-13.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:10	Return to Storage
JE1296-13.1	Secured Storage	Dave Hunkele	11/30/24 14:13	Retrieve from Storage
JE1296-13.1	Dave Hunkele	Secured Staging Area	11/30/24 14:17	Return to Storage
JE1296-13.1	Secured Staging Area	Alejandra Cruz	12/01/24 11:23	Retrieve from Storage
JE1296-13.1	Alejandra Cruz	Secured Staging Area	12/01/24 17:09	Return to Storage
JE1296-13.1	Secured Staging Area	Ellen Dondeo	12/02/24 08:19	Retrieve from Storage
JE1296-13.1	Ellen Dondeo	Erin Burke	12/02/24 10:49	Custody Transfer
JE1296-13.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-13.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer

SGS Internal Chain of Custody

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Received: 11/21/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
Analyst unavailable for custody transfer.				
JE1296-13.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-13.1	Erin Burke	Secured Storage	12/02/24 19:40	Return to Storage
JE1296-13.1	Secured Storage	Alejandra Cruz	12/03/24 14:18	Retrieve from Storage
JE1296-13.1	Alejandra Cruz	Secured Storage	12/04/24 01:06	Return to Storage
JE1296-13.1.1	Alejandra Cruz	Organics Prep	12/03/24 14:26	Extract from JE1296-13.1
JE1296-13.1.1	Organics Prep	Alejandra Cruz	12/04/24 01:05	Extract from JE1296-13.1
JE1296-13.1.1	Alejandra Cruz	Extract Storage	12/04/24 01:05	Return to Storage
JE1296-13.1.1	Extract Storage	Kyra Conover	12/04/24 09:03	Retrieve from Storage
JE1296-13.1.1	Kyra Conover	GC4G	12/04/24 09:03	Load on Instrument
JE1296-14.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:10	Return to Storage
JE1296-14.1	Secured Storage	Odalis Rodriguez	11/26/24 09:53	Retrieve from Storage
JE1296-14.1	Odalis Rodriguez	Erin Burke	11/26/24 12:39	Custody Transfer
JE1296-14.1	Secured Storage	Aleandi Rodriguez	11/26/24 20:39	Retrieve from Storage
stage				
JE1296-14.1	Aleandi Rodriguez	Secured Staging Area	11/26/24 20:39	Return to Storage
JE1296-14.1	Secured Staging Area	Alejandra Cruz	11/27/24 07:13	Retrieve from Storage
JE1296-14.1	Alejandra Cruz	Ellen Dondeo	11/27/24 15:02	Custody Transfer
JE1296-14.1	Ellen Dondeo	Erin Burke	12/02/24 10:49	Custody Transfer
JE1296-14.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-14.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-14.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-14.1	Erin Burke	Secured Storage	12/02/24 19:40	Return to Storage
JE1296-14.1.1	Erin Burke	Organics Prep	11/26/24 12:46	Extract from JE1296-14.1
JE1296-15.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:10	Return to Storage
JE1296-15.1	Secured Storage	Dave Hunkele	11/30/24 14:13	Retrieve from Storage
JE1296-15.1	Dave Hunkele	Secured Staging Area	11/30/24 14:17	Return to Storage
JE1296-15.1	Secured Staging Area	Alejandra Cruz	12/01/24 11:23	Retrieve from Storage
JE1296-15.1	Alejandra Cruz	Secured Staging Area	12/01/24 17:09	Return to Storage
JE1296-15.1	Secured Staging Area	Ellen Dondeo	12/02/24 08:19	Retrieve from Storage
JE1296-15.1	Ellen Dondeo	Erin Burke	12/02/24 10:49	Custody Transfer
JE1296-15.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-15.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-15.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer

SGS Internal Chain of Custody

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Received: 11/21/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
Analyst unavailable for custody transfer.				
JE1296-15.1	Erin Burke	Secured Storage	12/02/24 19:40	Return to Storage
JE1296-15.1.1	Alejandra Cruz	Organics Prep	12/01/24 11:26	Extract from JE1296-15.1
JE1296-15.1.1	Organics Prep	Daniela Frey	12/02/24 16:38	Extract from JE1296-15.1
JE1296-15.1.1	Daniela Frey	Extract Storage	12/02/24 16:38	Return to Storage
JE1296-16.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:10	Return to Storage
JE1296-16.1	Secured Storage	Odalis Rodriguez	11/26/24 09:53	Retrieve from Storage
JE1296-16.1	Odalis Rodriguez	Erin Burke	11/26/24 12:39	Custody Transfer
JE1296-16.1	Secured Storage	Aleandi Rodriguez	11/26/24 20:39	Retrieve from Storage
stage				
JE1296-16.1	Aleandi Rodriguez	Secured Staging Area	11/26/24 20:39	Return to Storage
JE1296-16.1	Secured Staging Area	Alejandra Cruz	11/27/24 07:13	Retrieve from Storage
JE1296-16.1	Alejandra Cruz	Ellen Dondeo	11/27/24 15:02	Custody Transfer
JE1296-16.1	Ellen Dondeo	Erin Burke	12/02/24 10:49	Custody Transfer
JE1296-16.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-16.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-16.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-16.1	Erin Burke	Secured Storage	12/02/24 19:40	Return to Storage
JE1296-16.1.1	Erin Burke	Organics Prep	11/26/24 12:46	Extract from JE1296-16.1
JE1296-17.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:10	Return to Storage
JE1296-17.1	Secured Storage	Dave Hunkele	11/30/24 14:13	Retrieve from Storage
JE1296-17.1	Dave Hunkele	Secured Staging Area	11/30/24 14:17	Return to Storage
JE1296-17.1	Secured Staging Area	Alejandra Cruz	12/01/24 11:23	Retrieve from Storage
JE1296-17.1	Alejandra Cruz	Secured Staging Area	12/01/24 17:09	Return to Storage
JE1296-17.1	Secured Staging Area	Ellen Dondeo	12/02/24 08:19	Retrieve from Storage
JE1296-17.1	Ellen Dondeo	Erin Burke	12/02/24 10:49	Custody Transfer
JE1296-17.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-17.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-17.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-17.1	Erin Burke	Secured Storage	12/02/24 19:40	Return to Storage
JE1296-17.1.1	Alejandra Cruz	Organics Prep	12/01/24 11:26	Extract from JE1296-17.1
JE1296-17.1.1	Organics Prep	Daniela Frey	12/02/24 16:38	Extract from JE1296-17.1
JE1296-17.1.1	Daniela Frey	Extract Storage	12/02/24 16:38	Return to Storage

SGS Internal Chain of Custody

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Received: 11/21/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE1296-18.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:10	Return to Storage
JE1296-18.1	Secured Storage	Dave Hunkele	11/30/24 14:13	Retrieve from Storage
JE1296-18.1	Dave Hunkele	Secured Staging Area	11/30/24 14:17	Return to Storage
JE1296-18.1	Secured Staging Area	Alejandra Cruz	12/01/24 11:23	Retrieve from Storage
JE1296-18.1	Alejandra Cruz	Secured Staging Area	12/01/24 17:09	Return to Storage
JE1296-18.1	Secured Staging Area	Ellen Dondeo	12/02/24 08:19	Retrieve from Storage
JE1296-18.1	Ellen Dondeo	Erin Burke	12/02/24 10:49	Custody Transfer
JE1296-18.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-18.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-18.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-18.1	Erin Burke	Secured Storage	12/02/24 19:40	Return to Storage
JE1296-18.1.1	Alejandra Cruz	Organics Prep	12/01/24 11:26	Extract from JE1296-18.1
JE1296-18.1.1	Organics Prep	Daniela Frey	12/02/24 16:38	Extract from JE1296-18.1
JE1296-18.1.1	Daniela Frey	Extract Storage	12/02/24 16:38	Return to Storage
JE1296-19.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:10	Return to Storage
JE1296-19.1	Secured Storage	Dave Hunkele	11/30/24 14:13	Retrieve from Storage
JE1296-19.1	Dave Hunkele	Secured Staging Area	11/30/24 14:17	Return to Storage
JE1296-19.1	Secured Staging Area	Alejandra Cruz	12/01/24 11:23	Retrieve from Storage
JE1296-19.1	Alejandra Cruz	Secured Staging Area	12/01/24 17:09	Return to Storage
JE1296-19.1	Secured Staging Area	Ellen Dondeo	12/02/24 08:19	Retrieve from Storage
JE1296-19.1	Ellen Dondeo	Erin Burke	12/02/24 10:49	Custody Transfer
JE1296-19.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-19.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-19.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-19.1	Erin Burke	Secured Storage	12/02/24 19:40	Return to Storage
JE1296-19.1.1	Alejandra Cruz	Organics Prep	12/01/24 11:26	Extract from JE1296-19.1
JE1296-19.1.1	Organics Prep	Daniela Frey	12/02/24 16:38	Extract from JE1296-19.1
JE1296-19.1.1	Daniela Frey	Extract Storage	12/02/24 16:38	Return to Storage
JE1296-20.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:10	Return to Storage
JE1296-20.1	Secured Storage	Odalis Rodriguez	11/26/24 09:53	Retrieve from Storage
JE1296-20.1	Odalis Rodriguez	Erin Burke	11/26/24 12:39	Custody Transfer
JE1296-20.1	Secured Storage	Aleandi Rodriguez	11/26/24 20:39	Retrieve from Storage
stage				

SGS Internal Chain of Custody

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Received: 11/21/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE1296-20.1	Aleandi Rodriguez	Secured Staging Area	11/26/24 20:39	Return to Storage
JE1296-20.1	Secured Staging Area	Alejandra Cruz	11/27/24 07:13	Retrieve from Storage
JE1296-20.1	Alejandra Cruz	Ellen Dondeo	11/27/24 15:02	Custody Transfer
JE1296-20.1	Ellen Dondeo	Erin Burke	12/02/24 10:49	Custody Transfer
JE1296-20.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-20.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-20.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-20.1	Erin Burke	Secured Storage	12/02/24 19:40	Return to Storage
JE1296-20.1.1	Erin Burke	Organics Prep	11/26/24 12:46	Extract from JE1296-20.1
JE1296-21.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:10	Return to Storage
JE1296-21.1	Secured Storage	Dave Hunkele	11/30/24 14:13	Retrieve from Storage
JE1296-21.1	Dave Hunkele	Secured Staging Area	11/30/24 14:17	Return to Storage
JE1296-21.1	Secured Staging Area	Alejandra Cruz	12/01/24 11:23	Retrieve from Storage
JE1296-21.1	Alejandra Cruz	Secured Staging Area	12/01/24 17:09	Return to Storage
JE1296-21.1	Secured Staging Area	Ellen Dondeo	12/02/24 08:19	Retrieve from Storage
JE1296-21.1	Ellen Dondeo	Erin Burke	12/02/24 10:49	Custody Transfer
JE1296-21.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-21.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-21.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-21.1	Erin Burke	Secured Storage	12/02/24 19:40	Return to Storage
JE1296-21.1.1	Alejandra Cruz	Organics Prep	12/01/24 11:26	Extract from JE1296-21.1
JE1296-21.1.1	Organics Prep	Daniela Frey	12/02/24 16:38	Extract from JE1296-21.1
JE1296-21.1.1	Daniela Frey	Extract Storage	12/02/24 16:38	Return to Storage
JE1296-22.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:10	Return to Storage
JE1296-22.1	Secured Storage	Dave Hunkele	11/30/24 14:13	Retrieve from Storage
JE1296-22.1	Dave Hunkele	Secured Staging Area	11/30/24 14:17	Return to Storage
JE1296-22.1	Secured Staging Area	Alejandra Cruz	12/01/24 11:23	Retrieve from Storage
JE1296-22.1	Alejandra Cruz	Secured Staging Area	12/01/24 17:09	Return to Storage
JE1296-22.1	Secured Staging Area	Ellen Dondeo	12/02/24 08:19	Retrieve from Storage
JE1296-22.1	Ellen Dondeo	Erin Burke	12/02/24 10:49	Custody Transfer
JE1296-22.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-22.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				

SGS Internal Chain of Custody

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Received: 11/21/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE1296-22.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-22.1	Erin Burke	Secured Storage	12/02/24 19:40	Return to Storage
JE1296-22.1.1	Alejandra Cruz	Organics Prep	12/01/24 11:26	Extract from JE1296-22.1
JE1296-22.1.1	Organics Prep	Daniela Frey	12/02/24 16:38	Extract from JE1296-22.1
JE1296-22.1.1	Daniela Frey	Extract Storage	12/02/24 16:38	Return to Storage
JE1296-23.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:10	Return to Storage
JE1296-23.1	Secured Storage	Dave Hunkele	11/30/24 14:13	Retrieve from Storage
JE1296-23.1	Dave Hunkele	Secured Staging Area	11/30/24 14:17	Return to Storage
JE1296-23.1	Secured Staging Area	Alejandra Cruz	12/01/24 11:23	Retrieve from Storage
JE1296-23.1	Alejandra Cruz	Secured Staging Area	12/01/24 17:09	Return to Storage
JE1296-23.1	Secured Staging Area	Ellen Dondeo	12/02/24 08:19	Retrieve from Storage
JE1296-23.1	Ellen Dondeo	Erin Burke	12/02/24 10:49	Custody Transfer
JE1296-23.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-23.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-23.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-23.1	Erin Burke	Secured Storage	12/02/24 19:40	Return to Storage
JE1296-23.1.1	Alejandra Cruz	Organics Prep	12/01/24 11:26	Extract from JE1296-23.1
JE1296-23.1.1	Organics Prep	Daniela Frey	12/02/24 16:38	Extract from JE1296-23.1
JE1296-23.1.1	Daniela Frey	Extract Storage	12/02/24 16:38	Return to Storage
JE1296-24.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:10	Return to Storage
JE1296-24.1	Secured Storage	Odalis Rodriguez	11/26/24 09:53	Retrieve from Storage
JE1296-24.1	Odalis Rodriguez	Erin Burke	11/26/24 12:39	Custody Transfer
JE1296-24.1	Secured Storage	Aleandi Rodriguez	11/26/24 20:39	Retrieve from Storage
stage				
JE1296-24.1	Aleandi Rodriguez	Secured Staging Area	11/26/24 20:39	Return to Storage
JE1296-24.1	Secured Staging Area	Alejandra Cruz	11/27/24 07:13	Retrieve from Storage
JE1296-24.1	Alejandra Cruz	Ellen Dondeo	11/27/24 15:02	Custody Transfer
JE1296-24.1	Ellen Dondeo	Erin Burke	12/02/24 10:49	Custody Transfer
JE1296-24.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-24.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-24.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-24.1	Erin Burke	Secured Storage	12/02/24 19:40	Return to Storage

SGS Internal Chain of Custody

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Received: 11/21/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE1296-24.1.1	Erin Burke	Organics Prep	11/26/24 12:46	Extract from JE1296-24.1
JE1296-25.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:10	Return to Storage
JE1296-25.1	Secured Storage	Dave Hunkele	11/30/24 14:13	Retrieve from Storage
JE1296-25.1	Dave Hunkele	Secured Staging Area	11/30/24 14:17	Return to Storage
JE1296-25.1	Secured Staging Area	Alejandra Cruz	12/01/24 11:23	Retrieve from Storage
JE1296-25.1	Alejandra Cruz	Secured Staging Area	12/01/24 17:09	Return to Storage
JE1296-25.1	Secured Staging Area	Ellen Dondeo	12/02/24 08:19	Retrieve from Storage
JE1296-25.1	Ellen Dondeo	Erin Burke	12/02/24 10:49	Custody Transfer
JE1296-25.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-25.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-25.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-25.1	Erin Burke	Secured Storage	12/02/24 19:40	Return to Storage
JE1296-25.1	Secured Storage	Alejandra Cruz	12/03/24 14:18	Retrieve from Storage
JE1296-25.1	Alejandra Cruz	Secured Storage	12/04/24 01:06	Return to Storage
JE1296-25.1.1	Alejandra Cruz	Organics Prep	12/03/24 14:26	Extract from JE1296-25.1
JE1296-25.1.1	Organics Prep	Alejandra Cruz	12/04/24 01:05	Extract from JE1296-25.1
JE1296-25.1.1	Alejandra Cruz	Extract Storage	12/04/24 01:05	Return to Storage
JE1296-25.1.1	Extract Storage	Kyra Conover	12/04/24 09:03	Retrieve from Storage
JE1296-25.1.1	Kyra Conover	GC4G	12/04/24 09:03	Load on Instrument
JE1296-26.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:10	Return to Storage
JE1296-26.1	Secured Storage	Odalis Rodriguez	11/26/24 09:53	Retrieve from Storage
JE1296-26.1	Odalis Rodriguez	Erin Burke	11/26/24 12:39	Custody Transfer
JE1296-26.1	Secured Storage	Aleandi Rodriguez	11/26/24 20:39	Retrieve from Storage
stage				
JE1296-26.1	Aleandi Rodriguez	Secured Staging Area	11/26/24 20:39	Return to Storage
JE1296-26.1	Secured Staging Area	Alejandra Cruz	11/27/24 07:13	Retrieve from Storage
JE1296-26.1	Alejandra Cruz	Ellen Dondeo	11/27/24 15:02	Custody Transfer
JE1296-26.1	Ellen Dondeo	Erin Burke	12/02/24 10:49	Custody Transfer
JE1296-26.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-26.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-26.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-26.1	Erin Burke	Secured Storage	12/02/24 19:40	Return to Storage
JE1296-26.1.1	Erin Burke	Organics Prep	11/26/24 12:46	Extract from JE1296-26.1

SGS Internal Chain of Custody

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Received: 11/21/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE1296-27.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:10	Return to Storage
JE1296-27.1	Secured Storage	Dave Hunkele	11/30/24 14:13	Retrieve from Storage
JE1296-27.1	Dave Hunkele	Secured Staging Area	11/30/24 14:17	Return to Storage
JE1296-27.1	Secured Staging Area	Alejandra Cruz	12/01/24 11:23	Retrieve from Storage
JE1296-27.1	Alejandra Cruz	Secured Staging Area	12/01/24 17:09	Return to Storage
JE1296-27.1	Secured Staging Area	Ellen Dondeo	12/02/24 08:19	Retrieve from Storage
JE1296-27.1	Ellen Dondeo	Erin Burke	12/02/24 10:49	Custody Transfer
JE1296-27.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-27.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-27.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-27.1	Erin Burke	Secured Storage	12/02/24 19:40	Return to Storage
JE1296-27.1.1	Alejandra Cruz	Organics Prep	12/01/24 11:26	Extract from JE1296-27.1
JE1296-27.1.1	Organics Prep	Daniela Frey	12/02/24 16:38	Extract from JE1296-27.1
JE1296-27.1.1	Daniela Frey	Extract Storage	12/02/24 16:38	Return to Storage
JE1296-28.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:10	Return to Storage
JE1296-28.1	Secured Storage	Odalis Rodriguez	11/26/24 09:53	Retrieve from Storage
JE1296-28.1	Odalis Rodriguez	Erin Burke	11/26/24 12:39	Custody Transfer
JE1296-28.1	Secured Storage	Aleandi Rodriguez	11/26/24 20:39	Retrieve from Storage
stage				
JE1296-28.1	Aleandi Rodriguez	Secured Staging Area	11/26/24 20:39	Return to Storage
JE1296-28.1	Secured Staging Area	Alejandra Cruz	11/27/24 07:13	Retrieve from Storage
JE1296-28.1	Alejandra Cruz	Ellen Dondeo	11/27/24 15:02	Custody Transfer
JE1296-28.1	Ellen Dondeo	Erin Burke	12/02/24 10:49	Custody Transfer
JE1296-28.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-28.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-28.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-28.1	Erin Burke	Secured Storage	12/02/24 19:40	Return to Storage
JE1296-28.1.1	Erin Burke	Organics Prep	11/26/24 12:46	Extract from JE1296-28.1
JE1296-29.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:10	Return to Storage
JE1296-29.1	Secured Storage	Dave Hunkele	11/30/24 14:13	Retrieve from Storage
JE1296-29.1	Dave Hunkele	Secured Staging Area	11/30/24 14:17	Return to Storage
JE1296-29.1	Secured Staging Area	Alejandra Cruz	12/01/24 11:23	Retrieve from Storage
JE1296-29.1	Alejandra Cruz	Secured Staging Area	12/01/24 17:09	Return to Storage
JE1296-29.1	Secured Staging Area	Ellen Dondeo	12/02/24 08:19	Retrieve from Storage

SGS Internal Chain of Custody

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Received: 11/21/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE1296-29.1	Ellen Dondeo	Erin Burke	12/02/24 10:49	Custody Transfer
JE1296-29.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-29.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-29.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-29.1	Erin Burke	Secured Storage	12/02/24 19:40	Return to Storage
JE1296-29.1.1	Alejandra Cruz	Organics Prep	12/01/24 11:26	Extract from JE1296-29.1
JE1296-29.1.1	Organics Prep	Daniela Frey	12/02/24 16:38	Extract from JE1296-29.1
JE1296-29.1.1	Daniela Frey	Extract Storage	12/02/24 16:38	Return to Storage
JE1296-30.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:10	Return to Storage
JE1296-30.1	Secured Storage	Odalis Rodriguez	11/26/24 09:53	Retrieve from Storage
JE1296-30.1	Odalis Rodriguez	Erin Burke	11/26/24 12:39	Custody Transfer
JE1296-30.1	Secured Storage	Aleandi Rodriguez	11/26/24 20:39	Retrieve from Storage
stage				
JE1296-30.1	Aleandi Rodriguez	Secured Staging Area	11/26/24 20:39	Return to Storage
JE1296-30.1	Secured Staging Area	Alejandra Cruz	11/27/24 07:13	Retrieve from Storage
JE1296-30.1	Alejandra Cruz	Ellen Dondeo	11/27/24 15:02	Custody Transfer
JE1296-30.1	Ellen Dondeo	Erin Burke	12/02/24 10:49	Custody Transfer
JE1296-30.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-30.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-30.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-30.1	Erin Burke	Secured Storage	12/02/24 19:40	Return to Storage
JE1296-30.1.1	Erin Burke	Organics Prep	11/26/24 12:46	Extract from JE1296-30.1
JE1296-31.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:10	Return to Storage
JE1296-31.1	Secured Storage	Dave Hunkele	11/30/24 14:13	Retrieve from Storage
JE1296-31.1	Dave Hunkele	Secured Staging Area	11/30/24 14:17	Return to Storage
JE1296-31.1	Secured Staging Area	Alejandra Cruz	12/01/24 11:23	Retrieve from Storage
JE1296-31.1	Alejandra Cruz	Secured Staging Area	12/01/24 17:09	Return to Storage
JE1296-31.1	Secured Staging Area	Ellen Dondeo	12/02/24 08:19	Retrieve from Storage
JE1296-31.1	Ellen Dondeo	Erin Burke	12/02/24 10:49	Custody Transfer
JE1296-31.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-31.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-31.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer

SGS Internal Chain of Custody

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Received: 11/21/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
Analyst unavailable for custody transfer.				
JE1296-31.1	Erin Burke	Secured Storage	12/02/24 19:40	Return to Storage
JE1296-31.1.1	Alejandra Cruz	Organics Prep	12/01/24 11:26	Extract from JE1296-31.1
JE1296-31.1.1	Organics Prep	Daniela Frey	12/02/24 16:38	Extract from JE1296-31.1
JE1296-31.1.1	Daniela Frey	Extract Storage	12/02/24 16:38	Return to Storage
JE1296-32.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:10	Return to Storage
JE1296-32.1	Secured Storage	Odalis Rodriguez	11/26/24 09:53	Retrieve from Storage
JE1296-32.1	Odalis Rodriguez	Erin Burke	11/26/24 12:39	Custody Transfer
JE1296-32.1	Secured Storage	Aleandi Rodriguez	11/26/24 20:39	Retrieve from Storage
stage				
JE1296-32.1	Aleandi Rodriguez	Secured Staging Area	11/26/24 20:39	Return to Storage
JE1296-32.1	Secured Staging Area	Alejandra Cruz	11/27/24 07:13	Retrieve from Storage
JE1296-32.1	Alejandra Cruz	Ellen Dondeo	11/27/24 15:02	Custody Transfer
JE1296-32.1	Ellen Dondeo	Erin Burke	12/02/24 10:49	Custody Transfer
JE1296-32.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-32.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-32.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-32.1	Erin Burke	Secured Storage	12/02/24 19:40	Return to Storage
JE1296-32.1.1	Erin Burke	Organics Prep	11/26/24 12:46	Extract from JE1296-32.1
JE1296-33.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:10	Return to Storage
JE1296-33.1	Secured Storage	Dave Hunkele	11/30/24 14:13	Retrieve from Storage
JE1296-33.1	Dave Hunkele	Secured Staging Area	11/30/24 14:17	Return to Storage
JE1296-33.1	Secured Staging Area	Alejandra Cruz	12/01/24 11:23	Retrieve from Storage
JE1296-33.1	Alejandra Cruz	Secured Staging Area	12/01/24 17:09	Return to Storage
JE1296-33.1	Secured Staging Area	Ellen Dondeo	12/02/24 08:19	Retrieve from Storage
JE1296-33.1	Ellen Dondeo	Erin Burke	12/02/24 10:49	Custody Transfer
JE1296-33.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-33.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-33.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-33.1	Erin Burke	Secured Storage	12/02/24 19:40	Return to Storage
JE1296-33.1.1	Alejandra Cruz	Organics Prep	12/01/24 11:26	Extract from JE1296-33.1
JE1296-33.1.1	Organics Prep	Daniela Frey	12/02/24 16:38	Extract from JE1296-33.1
JE1296-33.1.1	Daniela Frey	Extract Storage	12/02/24 16:38	Return to Storage

SGS Internal Chain of Custody

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Received: 11/21/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE1296-34.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:10	Return to Storage
JE1296-34.1	Secured Storage	Odalis Rodriguez	11/26/24 09:53	Retrieve from Storage
JE1296-34.1	Odalis Rodriguez	Erin Burke	11/26/24 12:39	Custody Transfer
JE1296-34.1	Secured Storage	Aleandi Rodriguez	11/26/24 20:39	Retrieve from Storage
stage				
JE1296-34.1	Aleandi Rodriguez	Secured Staging Area	11/26/24 20:39	Return to Storage
JE1296-34.1	Secured Staging Area	Alejandra Cruz	11/27/24 07:13	Retrieve from Storage
JE1296-34.1	Alejandra Cruz	Ellen Dondeo	11/27/24 15:02	Custody Transfer
JE1296-34.1	Ellen Dondeo	Erin Burke	12/02/24 10:49	Custody Transfer
JE1296-34.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-34.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-34.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-34.1	Erin Burke	Secured Storage	12/02/24 19:40	Return to Storage
JE1296-34.1.1	Erin Burke	Organics Prep	11/26/24 12:46	Extract from JE1296-34.1
JE1296-35.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:10	Return to Storage
JE1296-35.1	Secured Storage	Dave Hunkele	11/30/24 14:13	Retrieve from Storage
JE1296-35.1	Dave Hunkele	Secured Staging Area	11/30/24 14:17	Return to Storage
JE1296-35.1	Secured Staging Area	Alejandra Cruz	12/01/24 11:23	Retrieve from Storage
JE1296-35.1	Alejandra Cruz	Secured Staging Area	12/01/24 17:09	Return to Storage
JE1296-35.1	Secured Staging Area	Ellen Dondeo	12/02/24 08:19	Retrieve from Storage
JE1296-35.1	Ellen Dondeo	Erin Burke	12/02/24 10:49	Custody Transfer
JE1296-35.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-35.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-35.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-35.1	Erin Burke	Secured Storage	12/02/24 19:40	Return to Storage
JE1296-35.1.1	Alejandra Cruz	Organics Prep	12/01/24 11:26	Extract from JE1296-35.1
JE1296-35.1.1	Organics Prep	Daniela Frey	12/02/24 16:38	Extract from JE1296-35.1
JE1296-35.1.1	Daniela Frey	Extract Storage	12/02/24 16:38	Return to Storage
JE1296-36.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:10	Return to Storage
JE1296-36.1	Secured Storage	Odalis Rodriguez	11/26/24 09:53	Retrieve from Storage
JE1296-36.1	Odalis Rodriguez	Erin Burke	11/26/24 12:39	Custody Transfer
JE1296-36.1	Secured Storage	Aleandi Rodriguez	11/26/24 20:39	Retrieve from Storage
stage				

SGS Internal Chain of Custody

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Received: 11/21/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE1296-36.1	Aleandi Rodriguez	Secured Staging Area	11/26/24 20:39	Return to Storage
JE1296-36.1	Secured Staging Area	Alejandra Cruz	11/27/24 07:13	Retrieve from Storage
JE1296-36.1	Alejandra Cruz	Ellen Dondeo	11/27/24 15:02	Custody Transfer
JE1296-36.1	Ellen Dondeo	Erin Burke	12/02/24 10:49	Custody Transfer
JE1296-36.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-36.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-36.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-36.1	Erin Burke	Secured Storage	12/02/24 19:40	Return to Storage
JE1296-36.1.1	Erin Burke	Organics Prep	11/26/24 12:46	Extract from JE1296-36.1
JE1296-37.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:10	Return to Storage
JE1296-37.1	Secured Storage	Dave Hunkele	11/30/24 14:13	Retrieve from Storage
JE1296-37.1	Dave Hunkele	Secured Staging Area	11/30/24 14:17	Return to Storage
JE1296-37.1	Secured Staging Area	Alejandra Cruz	12/01/24 11:23	Retrieve from Storage
JE1296-37.1	Alejandra Cruz	Secured Staging Area	12/01/24 17:09	Return to Storage
JE1296-37.1	Secured Staging Area	Ellen Dondeo	12/02/24 08:19	Retrieve from Storage
JE1296-37.1	Ellen Dondeo	Erin Burke	12/02/24 10:49	Custody Transfer
JE1296-37.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-37.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-37.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-37.1	Erin Burke	Secured Storage	12/02/24 19:40	Return to Storage
JE1296-37.1	Secured Storage	Alejandra Cruz	12/03/24 14:18	Retrieve from Storage
JE1296-37.1	Alejandra Cruz	Secured Storage	12/04/24 01:06	Return to Storage
JE1296-37.1.1	Alejandra Cruz	Organics Prep	12/03/24 14:26	Extract from JE1296-37.1
JE1296-37.1.1	Organics Prep	Alejandra Cruz	12/04/24 01:05	Extract from JE1296-37.1
JE1296-37.1.1	Alejandra Cruz	Extract Storage	12/04/24 01:05	Return to Storage
JE1296-37.1.1	Extract Storage	Kyra Conover	12/04/24 09:03	Retrieve from Storage
JE1296-37.1.1	Kyra Conover	GC4G	12/04/24 09:03	Load on Instrument
JE1296-38.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:10	Return to Storage
JE1296-38.1	Secured Storage	Odalis Rodriguez	11/26/24 09:53	Retrieve from Storage
JE1296-38.1	Odalis Rodriguez	Erin Burke	11/26/24 12:39	Custody Transfer
JE1296-38.1	Secured Storage	Aleandi Rodriguez	11/26/24 20:39	Retrieve from Storage
stage				
JE1296-38.1	Aleandi Rodriguez	Secured Staging Area	11/26/24 20:39	Return to Storage
JE1296-38.1	Secured Staging Area	Alejandra Cruz	11/27/24 07:13	Retrieve from Storage

SGS Internal Chain of Custody

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Received: 11/21/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE1296-38.1	Alejandra Cruz	Ellen Dondeo	11/27/24 15:02	Custody Transfer
JE1296-38.1	Ellen Dondeo	Erin Burke	12/02/24 10:49	Custody Transfer
JE1296-38.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-38.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-38.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-38.1	Erin Burke	Secured Storage	12/02/24 19:40	Return to Storage
JE1296-38.1.1	Erin Burke	Organics Prep	11/26/24 12:46	Extract from JE1296-38.1
JE1296-39.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:10	Return to Storage
JE1296-39.1	Secured Storage	Dave Hunkele	11/30/24 14:13	Retrieve from Storage
JE1296-39.1	Dave Hunkele	Secured Staging Area	11/30/24 14:17	Return to Storage
JE1296-39.1	Secured Staging Area	Alejandra Cruz	12/01/24 11:23	Retrieve from Storage
JE1296-39.1	Alejandra Cruz	Secured Staging Area	12/01/24 17:09	Return to Storage
JE1296-39.1	Secured Staging Area	Ellen Dondeo	12/02/24 08:19	Retrieve from Storage
JE1296-39.1	Ellen Dondeo	Erin Burke	12/02/24 10:49	Custody Transfer
JE1296-39.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-39.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-39.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-39.1	Erin Burke	Secured Storage	12/02/24 19:40	Return to Storage
JE1296-39.1.1	Alejandra Cruz	Organics Prep	12/01/24 11:26	Extract from JE1296-39.1
JE1296-39.1.1	Organics Prep	Daniela Frey	12/02/24 16:38	Extract from JE1296-39.1
JE1296-39.1.1	Daniela Frey	Extract Storage	12/02/24 16:38	Return to Storage

MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2S289-MB	2S011069.D	1	11/25/24	KA	n/a	n/a	V2S289

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE1296-12

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	

Method Blank Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2S289-MB	2S011069.D	1	11/25/24	KA	n/a	n/a	V2S289

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE1296-12

CAS No.	Compound	Result	RL	MDL	Units	Q
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	104%	80-120%
17060-07-0	1,2-Dichloroethane-D4	100%	80-120%
2037-26-5	Toluene-D8	96%	80-120%
460-00-4	4-Bromofluorobenzene	90%	82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.06	5.6	ug/l	J
	Total TIC, Volatile		0	ug/l	

Blank Spike Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2S289-BS	2S011067.D	1	11/25/24	KA	n/a	n/a	V2S289

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE1296-12

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	200	257	129	27-175
71-43-2	Benzene	50	58.7	117* [a]	80-115
74-97-5	Bromochloromethane	50	56.4	113	83-122
75-27-4	Bromodichloromethane	50	60.8	122* [b]	82-119
75-25-2	Bromoform	50	64.3	129	77-135
74-83-9	Bromomethane	50	39.1	78	40-162
78-93-3	2-Butanone (MEK)	200	233	117	61-150
75-15-0	Carbon disulfide	50	46.8	94	64-130
56-23-5	Carbon tetrachloride	50	57.4	115	75-127
108-90-7	Chlorobenzene	50	54.4	109	80-115
75-00-3	Chloroethane	50	47.4	95	56-144
67-66-3	Chloroform	50	44.4	89	75-116
74-87-3	Chloromethane	50	47.2	94	41-153
110-82-7	Cyclohexane	50	52.1	104	66-129
96-12-8	1,2-Dibromo-3-chloropropane	50	58.6	117	69-134
124-48-1	Dibromochloromethane	50	59.0	118	81-123
106-93-4	1,2-Dibromoethane	50	58.1	116	67-138
95-50-1	1,2-Dichlorobenzene	50	54.3	109	81-117
541-73-1	1,3-Dichlorobenzene	50	56.7	113	81-115
106-46-7	1,4-Dichlorobenzene	50	54.2	108	80-114
75-71-8	Dichlorodifluoromethane	50	53.1	106	43-152
75-34-3	1,1-Dichloroethane	50	51.0	102	75-125
107-06-2	1,2-Dichloroethane	50	52.4	105	73-117
75-35-4	1,1-Dichloroethene	50	46.8	94	70-124
156-59-2	cis-1,2-Dichloroethene	50	55.4	111	80-120
156-60-5	trans-1,2-Dichloroethene	50	54.4	109	77-121
78-87-5	1,2-Dichloropropane	50	56.7	113	79-121
10061-01-5	cis-1,3-Dichloropropene	50	61.7	123	83-123
10061-02-6	trans-1,3-Dichloropropene	50	59.9	120	83-122
100-41-4	Ethylbenzene	50	52.6	105	78-116
76-13-1	Freon 113	50	52.5	105	68-134
591-78-6	2-Hexanone	200	242	121	66-136
98-82-8	Isopropylbenzene	50	56.0	112	78-121
79-20-9	Methyl Acetate	50	52.0	104	60-143
108-87-2	Methylcyclohexane	50	54.1	108	71-123
1634-04-4	Methyl Tert Butyl Ether	50	52.0	104	76-123

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2S289-BS	2S011067.D	1	11/25/24	KA	n/a	n/a	V2S289

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE1296-12

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	200	217	109	73-134
75-09-2	Methylene chloride	50	46.2	92	73-123
100-42-5	Styrene	50	56.4	113	81-125
79-34-5	1,1,2,2-Tetrachloroethane	50	57.4	115	73-126
127-18-4	Tetrachloroethene	50	59.1	118	73-119
108-88-3	Toluene	50	54.8	110	79-116
87-61-6	1,2,3-Trichlorobenzene	50	59.2	118	63-137
120-82-1	1,2,4-Trichlorobenzene	50	59.3	119	68-135
71-55-6	1,1,1-Trichloroethane	50	57.7	115	76-124
79-00-5	1,1,2-Trichloroethane	50	57.1	114	83-117
79-01-6	Trichloroethene	50	60.0	120* [c]	80-118
75-69-4	Trichlorofluoromethane	50	55.5	111	67-134
75-01-4	Vinyl chloride	50	47.0	94	52-146
	m,p-Xylene	100	108	108	79-119
95-47-6	o-Xylene	50	54.7	109	81-119
1330-20-7	Xylene (total)	150	163	109	80-119

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	95%	80-120%
17060-07-0	1,2-Dichloroethane-D4	96%	80-120%
2037-26-5	Toluene-D8	97%	80-120%
460-00-4	4-Bromofluorobenzene	96%	82-114%

(a) Outside of in house control limits, but within reasonable method recovery limits.
(b) High percent recovery and no associated positive reported in the QC batch.
(c) Outside of in house control limits, but within the marginal exceedance limits.

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE1160-1MS	2S011076.D	1	11/25/24	KA	n/a	n/a	V2S289
JE1160-1	2S011073.D	1	11/25/24	KA	n/a	n/a	V2S289

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE1296-12

CAS No.	Compound	JE1160-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Limits
67-64-1	Acetone	ND		200	262	131	22-134
71-43-2	Benzene	ND		50	63.6	127	49-137
74-97-5	Bromochloromethane	ND		50	60.4	121	78-122
75-27-4	Bromodichloromethane	ND		50	64.6	129* [a]	76-121
75-25-2	Bromoform	ND		50	67.4	135* [b]	70-133
74-83-9	Bromomethane	ND		50	40.8	82	27-164
78-93-3	2-Butanone (MEK)	ND		200	236	118	52-137
75-15-0	Carbon disulfide	ND		50	53.0	106	54-136
56-23-5	Carbon tetrachloride	ND		50	71.0	142* [b]	70-132
108-90-7	Chlorobenzene	3.7		50	61.1	115	68-123
75-00-3	Chloroethane	ND		50	57.6	115	48-152
67-66-3	Chloroform	ND		50	51.4	103	68-120
74-87-3	Chloromethane	ND		50	58.4	117	35-156
110-82-7	Cyclohexane	ND		50	66.7	133	53-146
96-12-8	1,2-Dibromo-3-chloropropane	ND		50	60.2	120	63-134
124-48-1	Dibromochloromethane	ND		50	61.3	123* [b]	75-122
106-93-4	1,2-Dibromoethane	ND		50	59.8	120	63-134
95-50-1	1,2-Dichlorobenzene	ND		50	58.0	116	74-119
541-73-1	1,3-Dichlorobenzene	ND		50	60.7	121* [b]	75-117
106-46-7	1,4-Dichlorobenzene	2.3		50	60.5	116	72-117
75-71-8	Dichlorodifluoromethane	ND		50	73.4	147	34-163
75-34-3	1,1-Dichloroethane	ND		50	57.3	115	68-129
107-06-2	1,2-Dichloroethane	ND		50	56.9	114	66-120
75-35-4	1,1-Dichloroethene	ND		50	56.2	112	59-133
156-59-2	cis-1,2-Dichloroethene	4.1		50	63.6	119	52-140
156-60-5	trans-1,2-Dichloroethene	ND		50	60.0	120	70-125
78-87-5	1,2-Dichloropropane	ND		50	59.8	120	73-124
10061-01-5	cis-1,3-Dichloropropene	ND		50	64.4	129* [b]	75-125
10061-02-6	trans-1,3-Dichloropropene	ND		50	62.6	125* [b]	75-122
100-41-4	Ethylbenzene	ND		50	57.8	116	37-144
76-13-1	Freon 113	ND		50	64.9	130	61-142
591-78-6	2-Hexanone	ND		200	250	125	56-132
98-82-8	Isopropylbenzene	ND		50	61.6	123	71-126
79-20-9	Methyl Acetate	ND		50	51.5	103	51-139
108-87-2	Methylcyclohexane	ND		50	63.2	126	59-137
1634-04-4	Methyl Tert Butyl Ether	1.2		50	56.2	110	66-124

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE1160-1MS	2S011076.D	1	11/25/24	KA	n/a	n/a	V2S289
JE1160-1	2S011073.D	1	11/25/24	KA	n/a	n/a	V2S289

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE1296-12

CAS No.	Compound	JE1160-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		200	226	113	65-135
75-09-2	Methylene chloride	ND		50	49.6	99	66-125
100-42-5	Styrene	ND		50	60.4	121	71-133
79-34-5	1,1,2,2-Tetrachloroethane	ND		50	59.5	119	68-127
127-18-4	Tetrachloroethene	ND		50	68.4	137* [b]	58-132
108-88-3	Toluene	ND		50	60.1	120	46-139
87-61-6	1,2,3-Trichlorobenzene	ND		50	62.8	126	57-136
120-82-1	1,2,4-Trichlorobenzene	ND		50	62.7	125	61-137
71-55-6	1,1,1-Trichloroethane	ND		50	68.3	137* [b]	67-132
79-00-5	1,1,2-Trichloroethane	ND		50	59.0	118	75-120
79-01-6	Trichloroethene	ND		50	67.3	135	56-136
75-69-4	Trichlorofluoromethane	ND		50	75.6	151* [b]	61-145
75-01-4	Vinyl chloride	ND		50	60.3	121	41-156
	m,p-Xylene	ND		100	118	118	32-151
95-47-6	o-Xylene	ND		50	59.2	118	50-139
1330-20-7	Xylene (total)	ND		150	177	118	38-147

CAS No.	Surrogate Recoveries	MS	JE1160-1	Limits
1868-53-7	Dibromofluoromethane	100%	106%	80-120%
17060-07-0	1,2-Dichloroethane-D4	100%	102%	80-120%
2037-26-5	Toluene-D8	96%	95%	80-120%
460-00-4	4-Bromofluorobenzene	93%	92%	82-114%

(a) Outside in house control limits.
(b) Outside control limits due to matrix interference.

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE1160-2DUP	2S011078.D	1	11/25/24	KA	n/a	n/a	V2S289
JE1160-2	2S011074.D	1	11/25/24	KA	n/a	n/a	V2S289

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE1296-12

CAS No.	Compound	JE1160-2 ug/l	Q	DUP ug/l	Q	RPD	Limits
67-64-1	Acetone	ND		ND		nc	23
71-43-2	Benzene	ND		ND		nc	14
74-97-5	Bromochloromethane	ND		ND		nc	20
75-27-4	Bromodichloromethane	ND		ND		nc	10
75-25-2	Bromoform	ND		ND		nc	10
74-83-9	Bromomethane	ND		ND		nc	10
78-93-3	2-Butanone (MEK)	ND		ND		nc	10
75-15-0	Carbon disulfide	ND		ND		nc	10
56-23-5	Carbon tetrachloride	ND		ND		nc	10
108-90-7	Chlorobenzene	4.5		4.1		9	10
75-00-3	Chloroethane	ND		ND		nc	10
67-66-3	Chloroform	ND		ND		nc	10
74-87-3	Chloromethane	ND		ND		nc	10
110-82-7	Cyclohexane	ND		ND		nc	14
96-12-8	1,2-Dibromo-3-chloropropane	ND		ND		nc	20
124-48-1	Dibromochloromethane	ND		ND		nc	10
106-93-4	1,2-Dibromoethane	ND		ND		nc	20
95-50-1	1,2-Dichlorobenzene	ND		ND		nc	10
541-73-1	1,3-Dichlorobenzene	ND		ND		nc	10
106-46-7	1,4-Dichlorobenzene	2.6		2.5		4	10
75-71-8	Dichlorodifluoromethane	ND		ND		nc	20
75-34-3	1,1-Dichloroethane	ND		ND		nc	10
107-06-2	1,2-Dichloroethane	ND		ND		nc	10
75-35-4	1,1-Dichloroethene	ND		ND		nc	15
156-59-2	cis-1,2-Dichloroethene	4.6		4.1		11* [a]	10
156-60-5	trans-1,2-Dichloroethene	ND		ND		nc	10
78-87-5	1,2-Dichloropropane	ND		ND		nc	20
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	20
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	20
100-41-4	Ethylbenzene	ND		ND		nc	20
76-13-1	Freon 113	ND		ND		nc	10
591-78-6	2-Hexanone	ND		ND		nc	10
98-82-8	Isopropylbenzene	ND		ND		nc	15
79-20-9	Methyl Acetate	ND		ND		nc	20
108-87-2	Methylcyclohexane	ND		ND		nc	20
1634-04-4	Methyl Tert Butyl Ether	1.1		1.1		0	12

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE1160-2DUP	2S011078.D	1	11/25/24	KA	n/a	n/a	V2S289
JE1160-2	2S011074.D	1	11/25/24	KA	n/a	n/a	V2S289

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE1296-12

CAS No.	Compound	JE1160-2 ug/l	Q	DUP ug/l	Q	RPD	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		ND		nc	10
75-09-2	Methylene chloride	ND		ND		nc	10
100-42-5	Styrene	ND		ND		nc	20
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	10
127-18-4	Tetrachloroethene	ND		ND		nc	10
108-88-3	Toluene	ND		ND		nc	16
87-61-6	1,2,3-Trichlorobenzene	ND		ND		nc	10
120-82-1	1,2,4-Trichlorobenzene	ND		ND		nc	10
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	10
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	10
79-01-6	Trichloroethene	ND		ND		nc	14
75-69-4	Trichlorofluoromethane	ND		ND		nc	10
75-01-4	Vinyl chloride	ND		ND		nc	10
	m,p-Xylene	ND		ND		nc	18
95-47-6	o-Xylene	ND		ND		nc	18
1330-20-7	Xylene (total)	ND		ND		nc	22

CAS No.	Surrogate Recoveries	DUP	JE1160-2	Limits
1868-53-7	Dibromofluoromethane	109%	107%	80-120%
17060-07-0	1,2-Dichloroethane-D4	106%	104%	80-120%
2037-26-5	Toluene-D8	94%	94%	80-120%
460-00-4	4-Bromofluorobenzene	90%	90%	82-114%

(a) High RPD due to low concentration of hit

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	V2S228-BFB	**Injection Date:**	09/30/24
Lab File ID:	2S009366.D	**Injection Time:**	16:01
Instrument ID:	GCMS2S		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	38040	20.4		Pass
75	30.0 - 60.0% of mass 95	88811	47.7		Pass
95	Base peak, 100% relative abundance	186325	100.0		Pass
96	5.0 - 9.0% of mass 95	12371	6.64		Pass
173	Less than 2.0% of mass 174	1001	0.54	(0.69) [a]	Pass
174	50.0 - 120.0% of mass 95	145648	78.2		Pass
175	5.0 - 9.0% of mass 174	10446	5.61	(7.17) [a]	Pass
176	95.0 - 101.0% of mass 174	140048	75.2	(96.2) [a]	Pass
177	5.0 - 9.0% of mass 176	9352	5.02	(6.68) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2S228-IC228	2S009368.D	09/30/24	16:40	00:39	Initial cal 0.2
V2S228-IC228	2S009370.D	09/30/24	17:06	01:05	Initial cal 0.5
V2S228-IC228	2S009372.D	09/30/24	17:32	01:31	Initial cal 1
V2S228-IC228	2S009374.D	09/30/24	17:57	01:56	Initial cal 2
V2S228-IC228	2S009376.D	09/30/24	18:23	02:22	Initial cal 4
V2S228-IC228	2S009378.D	09/30/24	18:49	02:48	Initial cal 8
V2S228-IC228	2S009380.D	09/30/24	19:15	03:14	Initial cal 20
V2S228-ICC228	2S009382.D	09/30/24	19:41	03:40	Initial cal 50
V2S228-IC228	2S009384.D	09/30/24	20:07	04:06	Initial cal 100
V2S228-IC228	2S009386.D	09/30/24	20:33	04:32	Initial cal 200
V2S228-ICV228	2S009392.D	09/30/24	21:50	05:49	Initial cal verification 50
V2S228-ICV228	2S009394.D	09/30/24	22:16	06:15	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	V2S228-BFB2	**Injection Date:**	10/01/24
Lab File ID:	2S009398.D	**Injection Time:**	15:24
Instrument ID:	GCMS2S		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	38627	20.2		Pass
75	30.0 - 60.0% of mass 95	90099	47.1		Pass
95	Base peak, 100% relative abundance	191211	100.0		Pass
96	5.0 - 9.0% of mass 95	12617	6.60		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 150.0% of mass 95	149304	78.1		Pass
175	5.0 - 9.0% of mass 174	11143	5.83	(7.46) [a]	Pass
176	95.0 - 101.0% of mass 174	144176	75.4	(96.6) [a]	Pass
177	5.0 - 9.0% of mass 176	9411	4.92	(6.53) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2S228-ICV228	2S009400.D	10/01/24	16:08	00:44	Initial cal verification 50

Internal Standard Area Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	V2S289-CC228	**Injection Date:**	11/25/24
Lab File ID:	2S011065.D	**Injection Time:**	09:52
Instrument ID:	GCMS2S	**Method:**	SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	196983	2.72	372357	4.61	662867	4.93	584303	6.51	335892	7.59
Upper Limit [a]	393966	3.22	744714	5.11	1325734	5.43	1168606	7.01	671784	8.09
Lower Limit [b]	98492	2.22	186179	4.11	331434	4.43	292152	6.01	167946	7.09

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
V2S289-BS	202940	2.73	365974	4.62	659618	4.93	576416	6.51	310976	7.59
V2S289-MB	141523	2.73	338631	4.62	629312	4.93	545262	6.51	316702	7.59
ZZZZZZ	125384	2.73	322935	4.62	595428	4.93	516150	6.51	291520	7.59
ZZZZZZ	144167	2.73	337211	4.62	622684	4.93	543352	6.51	309025	7.59
ZZZZZZ	127357	2.73	319569	4.62	588120	4.93	517680	6.51	289492	7.59
JE1160-1	129596	2.73	307187	4.62	578922	4.93	509548	6.51	289198	7.59
JE1160-2	124697	2.73	297668	4.61	559275	4.93	495349	6.51	283637	7.59
ZZZZZZ	128610	2.73	285975	4.62	542600	4.93	483403	6.51	276429	7.59
JE1160-1MS	171778	2.74	299355	4.62	555653	4.93	491846	6.51	268180	7.59
JE1160-2DUP	132767	2.74	278330	4.62	531119	4.93	475068	6.51	271900	7.59
JE1296-12	113640	2.73	266078	4.62	512035	4.93	456114	6.51	259009	7.59
ZZZZZZ	128357	2.73	268151	4.62	506208	4.93	452102	6.51	262269	7.59
ZZZZZZ	114530	2.73	261568	4.62	493200	4.94	442626	6.51	256480	7.59
ZZZZZZ	116312	2.73	251031	4.62	488269	4.93	420756	6.51	245097	7.59
ZZZZZZ	107907	2.73	251759	4.62	469117	4.93	424573	6.51	242880	7.59
ZZZZZZ	99990	2.73	241983	4.62	461213	4.93	412721	6.51	237100	7.59
ZZZZZZ	96760[c]	2.73	236782	4.62	439341	4.93	406126	6.51	234931	7.59
ZZZZZZ	98313[c]	2.73	232786	4.61	444812	4.93	396046	6.51	230016	7.59
ZZZZZZ	95272[c]	2.73	228073	4.62	435993	4.93	386551	6.51	220635	7.59
ZZZZZZ	100139	2.73	230057	4.62	427898	4.94	389087	6.51	225953	7.59
ZZZZZZ	103184	2.73	227638	4.62	435811	4.93	383056	6.51	224601	7.59
ZZZZZZ	94257[c]	2.73	222468	4.61	415190	4.93	375619	6.51	218260	7.59
ZZZZZZ	85995[c]	2.73	223359	4.61	417168	4.93	371983	6.51	215082	7.59

IS 1 = Tert Butyl Alcohol-D9
IS 2 = Pentafluorobenzene
IS 3 = 1,4-Difluorobenzene
IS 4 = Chlorobenzene-D5
IS 5 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Outside control limits. No associated compounds reported under this internal standard.

Surrogate Recovery Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Method: SW846 8260D **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
JE1296-12	2S011079.D	111	105	94	92
JE1160-1MS	2S011076.D	100	100	96	93
JE1160-2DUP	2S011078.D	109	106	94	90
V2S289-BS	2S011067.D	95	96	97	96
V2S289-MB	2S011069.D	104	100	96	90

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	80-120%
S2 = 1,2-Dichloroethane-D4	80-120%
S3 = Toluene-D8	80-120%
S4 = 4-Bromofluorobenzene	82-114%

Initial Calibration Summary

Job Number: JE1296 **Sample:** V2S228-ICC228
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 2S009382.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Response Factor Report GCMS S

Method : C:\msdchem\1\methods\m2s228.m (RTE Integrator)
Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
Last Update : Tue Oct 01 15:53:48 2024
Response via : Initial Calibration

Calibration Files
4 =2S009376.D 0.5 =2S009370.D 8 =2S009378.D 50 =2S009382.D
100 =2S009384.D 1 =2S009372.D 200 =2S009386.D 20 =2S009380.D
2 =2S009374.D 0.2 =2S009368.D = =

Compound	4	0.5	8	50	100	1	200	20	2	0.2	Avg	%RSD
1) I tert butyl alcohol-d9	----------ISTD----------											
2) ethanol	0.131		0.107	0.092	0.083	0.225	0.067	0.098	0.160		0.120	42.56
	----- Quadratic regression ----- Coefficient = 0.9999											
	Response Ratio = 0.02565 + 0.09617 *A + -0.00074 *A^2											
3) tertiary butyl alcohol	0.948		1.009	1.075	1.083	1.217	1.057	0.994	0.900		1.035	9.37
4) 1,4-dioxane	0.073		0.073	0.078	0.073		0.064	0.076	0.067		0.072	6.97
5) I pentafluorobenzene	----------ISTD----------											
6) chlorodifluoromethane	0.568	0.530	0.542	0.639	0.671	0.513	0.643	0.633	0.520		0.584	10.54
7) dichlorodifluoromethane	0.670		0.655	0.768	0.789	0.727	0.766	0.741	0.638		0.719	8.00
8) chloromethane	0.593	0.643	0.583	0.658	0.666	0.729	0.644	0.647	0.574		0.637	7.60
9) vinyl chloride	0.543		0.553	0.637	0.663	0.632	0.644	0.617	0.516		0.601	9.16
10) 1,3-butadiene	0.415	0.436	0.378	0.432	0.472	0.357	0.447	0.433	0.373		0.416	9.25
11) bromomethane	0.165		0.168	0.233	0.265		0.275	0.198	0.143		0.207	25.01
	----- Quadratic regression ----- Coefficient = 0.9982											
	Response Ratio = -0.00525 + 0.22899 *A + 0.01246 *A^2											
12) chloroethane	0.294	0.281	0.304	0.340	0.348	0.355	0.332	0.328	0.283		0.318	8.89
13) trichlorofluoromethane	0.577		0.582	0.676	0.708	0.622	0.675	0.658	0.568		0.633	8.44
14) ethyl ether	0.196	0.210	0.215	0.260	0.278	0.225	0.280	0.244	0.186		0.233	14.90
15) acrolein	0.097		0.104	0.116	0.122	0.099	0.123	0.107	0.103		0.109	9.47
16) freon 113	0.245		0.239	0.299	0.320		0.313	0.286	0.215		0.274	14.94
17) 1,1-dichloroethene	0.561	0.516	0.552	0.659	0.688	0.517	0.668	0.633	0.501		0.588	12.52
18) acetone	0.041		0.043	0.054	0.059		0.061	0.050	0.038		0.049	18.39
19) acetonitrile	0.060		0.060	0.064	0.065		0.065	0.062	0.065		0.063	3.60
20) iodomethane												

Initial Calibration Summary

Job Number: JE1296 **Sample:** V2S228-ICC228
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 2S009382.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

```
      0.224       0.250 0.391 0.417       0.410 0.336 0.180        0.315   30.76
            ----- Linear regression -----  Coefficient =  0.9978
              Response Ratio = -0.01409 + 0.41209 *A

21)  carbon disulfide
      1.036 1.099 1.005 1.179 1.234 1.001 1.193 1.150 0.982        1.098    8.65
22)  methylene chloride
      0.441       0.415 0.449 0.461 0.632 0.454 0.446 0.493        0.474   14.21
23)  methyl acetate
      0.067       0.070 0.096 0.106       0.112 0.085              0.089   20.58
            ----- Linear regression -----  Coefficient =  0.9969
              Response Ratio = -0.00526 + 0.10938 *A

24)  methyl tert butyl ether
      0.840       0.904 1.203 1.308 0.891       1.079 0.753        0.997   20.45
         ----- Quadratic regression -----                Coefficient =  0.9989
              Response Ratio = -0.00789 + 1.03055 *A + 0.14471 *A^2

25)  trans-1,2-dichloroethene
      0.380 0.367 0.351 0.432 0.450 0.312 0.449 0.404 0.318        0.385   13.68
26)  hexane
      0.803       0.823 1.067 1.139       1.121 0.983 0.741        0.954   17.17
27)  di-isopropyl ether
      1.207 1.305 1.253 1.574 1.677 1.266 1.665 1.424 1.064        1.382   15.63
28)  ethyl tert-butyl ether
      1.074 1.045 1.136 1.498 1.613 1.131 1.626 1.334 0.986        1.271   19.80
29)  2-butanone
      0.041       0.047 0.072 0.079       0.083 0.060 0.038        0.060   30.66
         ----- Quadratic regression -----                Coefficient =  0.9983
              Response Ratio = -0.00804 + 0.07006 *A + 0.00089 *A^2

30)  1,1-dichloroethane
      0.743 0.763 0.740 0.871 0.902 0.724 0.873 0.844 0.686        0.794    9.91
31)  chloroprene
      0.599       0.577 0.777 0.832       0.795 0.721 0.521        0.689   17.68
32)  acrylonitrile
      0.163       0.173 0.210 0.207 0.163 0.207 0.193 0.166        0.185   11.42
33)  vinyl acetate
      0.052       0.071 0.104 0.113       0.123 0.087              0.092   29.28
         ----- Quadratic regression -----                Coefficient =  0.9997
              Response Ratio = -0.00464 + 0.10235 *A + 0.00561 *A^2

34)  ethyl acetate
      0.036       0.046 0.073 0.079       0.081 0.060              0.062   29.34
            ----- Linear regression -----  Coefficient =  0.9982
              Response Ratio = -0.00477 + 0.08074 *A

35)  2,2-dichloropropane
      0.486 0.496 0.474 0.602 0.636 0.395 0.629 0.543 0.431        0.521   16.61
36)  cis-1,2-dichloroethene
      0.401 0.362 0.403 0.475 0.495 0.414 0.488 0.446 0.353        0.426   12.30
37)  propionitrile
      0.073       0.078 0.092 0.095 0.090 0.097 0.085 0.075        0.086   10.87
38)  methyl acrylate
      0.051       0.060 0.093 0.103       0.104 0.078              0.081   27.31
            ----- Linear regression -----  Coefficient =  0.9980
              Response Ratio = -0.00584 + 0.10389 *A

39)  bromochloromethane
      0.191 0.171 0.201 0.233 0.236 0.189 0.226 0.219 0.187        0.206   11.36
```

Initial Calibration Summary

Job Number: JE1296 **Sample:** V2S228-ICC228
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 2S009382.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

```
40)  tetrahydrofuran
                 0.054 0.077 0.084       0.089 0.063              0.073   19.87
41)  chloroform
      0.197      0.186 0.210 0.214 0.210 0.205 0.205 0.180        0.201    6.14
42)  dibromofluoromethane (s)
      0.622 0.615 0.618 0.602 0.601 0.628 0.606 0.619 0.624 0.630  0.617    1.67
43)  methacrylonitrile
                 0.172 0.228 0.251       0.255 0.207              0.223   15.41
44)  1,1,1-trichloroethane
      0.561 0.486 0.554 0.696 0.733 0.500 0.729 0.656 0.481        0.600   17.43
45)  cyclohexane
      0.531      0.550 0.674 0.710 0.522 0.697 0.624 0.487        0.599   14.62
46)  1,1-dichloropropene
      0.457      0.448 0.604 0.639 0.388 0.624 0.561 0.391        0.514   20.38
         ----- Quadratic regression -----                Coefficient =  0.9984
              Response Ratio = -0.00785 + 0.60290 *A + 0.00726 *A^2

47)  carbon tetrachloride
      0.483      0.484 0.610 0.649 0.421 0.643 0.581 0.426        0.537   17.58
48)  isobutyl alcohol
      0.009      0.010 0.016 0.019       0.022 0.012              0.015   34.55
         ----- Quadratic regression -----                Coefficient =  0.9990
              Response Ratio = -0.00635 + 0.01480 *A + 0.00019 *A^2

49)  tert-amyl alcohol
      0.018      0.022 0.026 0.027       0.029 0.023              0.024   15.41

50) I   1,4-difluorobenzene   ----------------ISTD--------------------
51)  1,2-dichloroethane-d4 (s)
      0.375 0.373 0.381 0.361 0.361 0.376 0.360 0.380 0.374 0.373  0.371    2.09
52)  iso-octane
      0.661      0.641 0.827 0.900       0.890 0.756 0.567        0.749   17.37
53)  benzene
      0.740 0.717 0.748 0.909 0.955 0.708 0.918 0.838 0.669        0.800   13.25
54)  tert-amyl methyl ether
      0.455 0.523 0.478 0.604 0.655 0.525 0.670 0.531 0.417        0.540   16.16
55)  heptane
      0.145      0.145 0.170 0.179       0.173 0.162 0.121        0.156   13.17
56)  isopropyl acetate
      0.036      0.041 0.061 0.070       0.073 0.051              0.055   27.24
           ----- Linear regression -----  Coefficient =  0.9959
              Response Ratio = -0.00427 + 0.07179 *A

57)  1,2-dichloroethane
      0.309 0.414 0.306 0.345 0.348 0.350 0.338 0.333 0.284        0.336   10.90
58)  n-butyl alcohol
      0.003      0.003 0.006 0.007       0.007 0.004              0.005   34.33
         ----- Quadratic regression -----                Coefficient =  0.9976
              Response Ratio = -0.01357 + 0.00547 *A + 0.00001 *A^2

59)  ethyl acrylate
      0.275      0.306 0.393 0.420       0.421 0.348              0.361   16.97
60)  trichloroethene
      0.192 0.186 0.190 0.245 0.259 0.181 0.252 0.224 0.165        0.210   16.56
61)  2-nitropropane
      0.067      0.066 0.089 0.098 0.089 0.085 0.077 0.074        0.080   14.43
62)  2-chloroethyl vinyl ether
      0.122 0.116 0.136 0.168 0.178 0.127 0.175 0.153 0.107        0.143   18.75
63)  methyl methacrylate
      0.053      0.062 0.078 0.083       0.085 0.067 0.047        0.068   22.13
```

```
            ----- Linear regression -----  Coefficient =  0.9978
              Response Ratio = -0.00234 + 0.08399 *A

64)  1,2-dichloropropane
      0.214 0.208 0.210 0.263 0.271 0.208 0.264 0.236 0.190        0.229   13.07
65)  methylcyclohexane
      0.160       0.155 0.196 0.212       0.207 0.177 0.148        0.179   14.50
66)  dibromomethane
      0.128 0.147 0.133 0.148 0.152 0.154 0.151 0.140 0.120        0.142    8.44
67)  bromodichloromethane
      0.256 0.279 0.262 0.322 0.330 0.272 0.322 0.294 0.232        0.286   11.89
68)  epichlorohydrin
      0.021       0.026 0.032 0.036       0.038 0.029              0.030   20.86
            ----- Linear regression -----  Coefficient =  0.9973
              Response Ratio = -0.00882 + 0.03696 *A

69)  cis-1,3-dichloropropene
      0.280 0.299 0.299 0.385 0.407 0.275 0.401 0.343 0.246        0.326   18.29
70)  4-methyl-2-pentanone
      0.086       0.092 0.123 0.130 0.084       0.109 0.073        0.100   21.66
         ----- Quadratic regression -----                Coefficient =  0.9988
              Response Ratio = -0.00404 + 0.10724 *A + 0.00305 *A^2

71)  3-methyl-1-butanol
      0.003       0.003 0.005 0.006       0.007 0.004 0.004        0.005   30.09
         ----- Quadratic regression -----                Coefficient =  0.9977
              Response Ratio = -0.00201 + 0.00471 *A + 0.00003 *A^2


72) I   chlorobenzene-d5      ----------------ISTD--------------------
73)  toluene-d8 (s)
      1.325 1.327 1.341 1.362 1.348 1.313 1.337 1.329 1.324 1.325  1.333    1.07
74)  toluene
      0.555 0.571 0.558 0.667 0.692 0.562 0.670 0.622 0.492        0.599   11.23
75)  ethyl methacrylate
      0.246       0.275 0.350 0.366 0.276 0.357 0.314 0.214        0.300   18.66
76)  trans-1,3-dichloropropene
      0.298       0.329 0.431 0.449 0.316 0.432 0.378 0.277        0.364   18.62
77)  1,1,2-trichloroethane
      0.166 0.173 0.176 0.218 0.224 0.188 0.217 0.196 0.150        0.190   13.73
78)  tetrachloroethene
      0.235 0.202 0.231 0.281 0.291 0.199 0.278 0.260 0.215        0.244   14.50
79)  2-hexanone
      0.103       0.115 0.146 0.151 0.112 0.146 0.133 0.087        0.124   18.75
80)  1,3-dichloropropane
      0.343 0.378 0.364 0.445 0.459 0.367 0.442 0.407 0.322        0.392   12.43
81)  butyl acetate
      0.142       0.154 0.214 0.231       0.231 0.183              0.192   20.18
            ----- Linear regression -----  Coefficient =  0.9986
              Response Ratio = -0.01024 + 0.23172 *A

82)  dibromochloromethane
      0.234 0.273 0.249 0.310 0.324 0.268 0.317 0.281 0.215        0.275   13.82
83)  1,2-dibromoethane
      0.219 0.204 0.223 0.277 0.285 0.234 0.280 0.247 0.198        0.241   13.89
84)  n-butyl ether
      1.029 0.963 1.096 1.308 1.335 0.951 1.252 1.234 0.887        1.117   15.12
85)  chlorobenzene
      0.613 0.644 0.626 0.730 0.753 0.631 0.720 0.680 0.557        0.662    9.64
86)  1,1,1,2-tetrachloroethane
```

```
      0.201 0.195 0.213 0.264 0.276 0.197 0.266 0.240 0.175        0.225   16.37
 87)  ethylbenzene
      1.058 1.237 1.039 1.211 1.245 1.099 1.176 1.158 0.989        1.135    8.14
 88)  m,p-xylene
      0.419 0.403 0.416 0.485 0.490 0.407 0.459 0.465 0.370        0.435    9.51
 89)  o-xylene
      0.394 0.360 0.396 0.465 0.475 0.377 0.451 0.426 0.341        0.410   11.60
 90)  styrene
      0.665 0.618 0.675 0.807 0.822 0.648 0.787 0.753 0.571        0.705   12.76
 91)  bromoform
      0.168 0.185 0.175 0.215 0.228 0.176 0.225 0.197 0.154        0.191   13.70
 92)  butyl acrylate
      0.425 0.430 0.463 0.605 0.623 0.452 0.599 0.531 0.365        0.499   18.64
 93)  isopropylbenzene
      0.909 0.830 0.888 1.079 1.095 0.853 1.045 1.013 0.796        0.945   12.05
 94)  cis-1,4-dichloro-2-butene
      0.099       0.107 0.170 0.174       0.168 0.181              0.150   24.40
           ----- Linear regression -----  Coefficient =  0.9977
             Response Ratio = -0.00613 + 0.17340 *A


 95) I   1,4-dichlorobenzene-d ----------------ISTD--------------------
 96)  4-bromofluorobenzene (s)
      0.949 0.937 0.936 0.956 0.954 0.918 0.961 0.953 0.947 0.935  0.945    1.35
 97)  bromobenzene
      0.458 0.437 0.452 0.549 0.564 0.492 0.560 0.514 0.406        0.492   11.75
 98)  1,1,2,2-tetrachloroethane
      0.510 0.541 0.547 0.675 0.706 0.523 0.715 0.622 0.485        0.591   15.07
 99)  trans-1,4-dichloro-2-butene
      0.200 0.214 0.203 0.253 0.259 0.209 0.260 0.225 0.168        0.221   14.10
100)  1,2,3-trichloropropane
      0.163       0.173 0.215 0.227 0.183 0.229 0.201 0.155        0.193   15.03
101)  n-propylbenzene
      2.277 2.236 2.211 2.758 2.819 2.225 2.719 2.603 2.029        2.431   12.03
102)  2-chlorotoluene
      0.457 0.444 0.460 0.543 0.560 0.430 0.543 0.540 0.385        0.485   12.99
103)  4-chlorotoluene
      1.480 1.411 1.435 1.750 1.775 1.402 1.711 1.649 1.336        1.550   10.97
104)  1,3,5-trimethylbenzene
      1.650 1.635 1.626 2.000 2.012 1.612 1.926 1.883 1.438        1.754   11.66
105)  tert-butylbenzene
      1.362 1.315 1.334 1.677 1.719 1.316 1.704 1.565 1.229        1.469   13.29
106)  1,2,4-trimethylbenzene
      1.705 1.616 1.684 2.071 2.085 1.642 1.987 1.936 1.432        1.795   12.84
107)  sec-butylbenzene
      1.968 1.832 1.913 2.418 2.479 1.744 2.388 2.286 1.740        2.085   14.60
108)  1,3-dichlorobenzene
      0.973 0.975 0.930 1.141 1.156 0.950 1.128 1.068 0.868 0.838  1.003   11.40
109)  p-isopropyltoluene
      1.752 1.624 1.699 2.124 2.189 1.528 2.088 2.003 1.529        1.837   14.39
110)  1,4-dichlorobenzene
      0.977 1.047 0.953 1.132 1.154 0.997 1.129 1.072 0.896 0.965  1.032    8.53
111)  1,2-dichlorobenzene
      0.913 0.974 0.914 1.087 1.100 0.980 1.076 1.020 0.838        0.989    9.09
112)  1,2,3-trimethylbenzene
      1.803 1.881 1.764 2.149 2.162 1.871 2.063 2.034 1.639        1.930    9.42
113)  n-butylbenzene
      0.904 0.885 0.880 1.135 1.181 0.809 1.132 1.068 0.805        0.978   15.33
114)  1,2-dibromo-3-chloropropane
      0.156       0.154 0.188 0.199 0.160 0.199 0.171 0.133        0.170   13.91
```

Initial Calibration Summary

Job Number: JE1296 **Sample:** V2S228-ICC228
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 2S009382.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

```
115)  1,3,5-trichlorobenzene
       0.663 0.658 0.659 0.815 0.833 0.635 0.798 0.753 0.586        0.711   12.62
116)  1,2,4-trichlorobenzene
       0.575 0.616 0.595 0.748 0.765 0.596 0.741 0.679 0.539        0.650   12.96
117)  hexachlorobutadiene
       0.242       0.238 0.293 0.304 0.228 0.298 0.273 0.226        0.263   12.53
118)  naphthalene
       1.815 1.953 1.927 2.439 2.470 2.018 2.373 2.206 1.626        2.092   14.16
119)  1,2,3-trichlorobenzene
       0.553 0.579 0.571 0.704 0.719 0.586 0.694 0.655 0.532        0.621   11.53
120)  hexachloroethane
       0.272       0.257 0.364 0.383       0.391 0.315 0.220        0.315   21.43
             ----- Linear regression -----  Coefficient =  0.9978
               Response Ratio = -0.01046 + 0.38632 *A

121)  benzyl chloride
       0.196       0.192 0.271 0.290       0.295 0.234              0.246   18.56
122)  2-methylnaphthalene
       0.896 1.054 0.906 1.103 1.157 0.986 1.207 0.993 0.795        1.011   13.21
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          m2s228.m          Tue Oct 01 15:54:31 2024
```

Initial Calibration Verification

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: V2S228-ICV228
Lab FileID: 2S009392.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\Initials\VS228\2S009392.D Vial: 30
Acq On : 30 Sep 2024 09:50 pm Operator: edwardd
Sample : icv228-50 Inst : GCMS S
Misc : MS81509,V2S228,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\m2s228.m (RTE Integrator)
Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
Last Update : Tue Oct 01 15:53:48 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	108	0.00	2.74
		---------- True	Calc.	% Drift	----------			
2		ethanol	5000.000	4046.544	19.1	89	0.00	2.01
		---------- AvgRF	CCRF	% Dev	----------			
3	M	tertiary butyl alcohol	1.035	1.071	-3.5	107	0.00	2.80
4		1,4-dioxane	0.072	0.066	8.3	91	0.00	5.35
5	I	pentafluorobenzene	1.000	1.000	0.0	100	0.00	4.62
6		chlorodifluoromethane	----------NA----------					
7		dichlorodifluoromethane	0.719	0.567	21.1	74	0.00	1.19
8		chloromethane	0.637	0.606	4.9	92	0.00	1.31
9		vinyl chloride	0.601	0.580	3.5	91	0.00	1.36
10		1,3-butadiene	0.416	0.463	-11.3	107	0.00	1.37
		---------- True	Calc.	% Drift	----------			
11		bromomethane	50.000	47.496	5.0	96	0.00	1.56
		---------- AvgRF	CCRF	% Dev	----------			
12		chloroethane	0.318	0.345	-8.5	102	0.00	1.64
13		trichlorofluoromethane	0.633	0.620	2.1	92	0.00	1.73
14		ethyl ether	0.233	0.270	-15.9	104	0.00	1.92
15		acrolein	0.109	0.120	-10.1	103	0.00	2.31
16		freon 113	0.274	0.295	-7.7	99	0.00	2.10
17		1,1-dichloroethene	0.588	0.645	-9.7	98	0.00	2.07
18		acetone	----------NA----------					
19		acetonitrile	0.063	0.065	-3.2	102	0.00	2.94
		---------- True	Calc.	% Drift	----------			
20		iodomethane	50.000	41.375	17.3	84	0.00	2.17
		---------- AvgRF	CCRF	% Dev	----------			
21		carbon disulfide	1.098	1.030	6.2	87	0.00	2.10
22		methylene chloride	0.474	0.450	5.1	100	0.00	2.50
		---------- True	Calc.	% Drift	----------			
23		methyl acetate	50.000	47.258	5.5	103	0.00	2.64
24		methyl tert butyl ether	50.000	52.556	-5.1	103	0.00	2.73
		---------- AvgRF	CCRF	% Dev	----------			
25		trans-1,2-dichloroethene	0.385	0.423	-9.9	98	0.00	2.64

Initial Calibration Verification

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: V2S228-ICV228
Lab FileID: 2S009392.D

26		hexane	0.954	1.027	-7.7	96	0.00	2.71
27		di-isopropyl ether	1.382	1.501	-8.6	95	0.00	3.09
28		ethyl tert-butyl ether	1.271	1.415	-11.3	95	0.00	3.46
			True	Calc.	% Drift			
29		2-butanone	200.000	235.028	-17.5	118	0.00	4.35
			AvgRF	CCRF	% Dev			
30	M	1,1-dichloroethane	0.794	0.853	-7.4	98	0.00	3.20
31		chloroprene	0.689	0.780	-13.2	101	0.00	3.18
32		acrylonitrile	0.185	0.224	-21.1	107	0.00	3.24
			True	Calc.	% Drift			
33		vinyl acetate	50.000	36.642	26.7	71	0.00	3.46
34		ethyl acetate	50.000	47.161	5.7	98	0.00	4.21
			AvgRF	CCRF	% Dev			
35		2,2-dichloropropane	0.521	0.584	-12.1	97	0.00	3.88
36		cis-1,2-dichloroethene	0.426	0.479	-12.4	101	0.00	3.76
37		propionitrile	0.086	0.096	-11.6	105	0.00	4.56
			True	Calc.	% Drift			
38		methyl acrylate	50.000	47.829	4.3	101	0.00	4.21
			AvgRF	CCRF	% Dev			
39		bromochloromethane	0.206	0.230	-11.7	99	0.00	3.98
40		tetrahydrofuran	0.073	0.081	-11.0	105	0.00	4.22
41		chloroform	0.201	0.214	-6.5	102	0.00	4.08
42	S	dibromofluoromethane (s)	0.617	0.600	2.8	100	0.00	4.25
43		methacrylonitrile	0.223	0.232	-4.0	102	0.00	4.58
44		1,1,1-trichloroethane	0.600	0.704	-17.3	101	0.00	4.27
45		cyclohexane	0.599	0.638	-6.5	95	0.00	3.99
			True	Calc.	% Drift			
46		1,1-dichloropropene	50.000	49.494	1.0	99	0.00	4.37
			AvgRF	CCRF	% Dev			
47		carbon tetrachloride	0.537	0.608	-13.2	100	0.00	4.21
			True	Calc.	% Drift			
48		isobutyl alcohol	500.000	523.695	-4.7	107	0.00	4.72
			AvgRF	CCRF	% Dev			
49		tert-amyl alcohol	0.024	0.027	-12.5	107	0.00	4.77
50	I	1,4-difluorobenzene	1.000	1.000	0.0	101	0.00	4.94
51	S	1,2-dichloroethane-d4 (s)	0.371	0.368	0.8	103	0.00	4.64
52		iso-octane	0.749	0.766	-2.3	93	0.00	4.47
53	M	benzene	0.800	0.895	-11.9	99	0.00	4.56
54		tert-amyl methyl ether	0.540	0.578	-7.0	97	0.00	4.64
55		heptane	0.156	0.165	-5.8	97	0.00	4.55
			True	Calc.	% Drift			
56		isopropyl acetate	50.000	45.201	9.6	100	0.00	4.85
			AvgRF	CCRF	% Dev			
57		1,2-dichloroethane	0.336	0.340	-1.2	100	0.00	4.69
			True	Calc.	% Drift			
58		n-butyl alcohol	2500.000	2489.024	0.4	102	0.00	5.11

Initial Calibration Verification

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: V2S228-ICV228
Lab FileID: 2S009392.D

			AvgRF	CCRF	% Dev			
59		ethyl acrylate	0.361	0.397	-10.0	102	0.00	5.22
60		trichloroethene	0.210	0.253	-20.5	104	0.00	4.92
61		2-nitropropane	0.080	0.098	-22.5	111	0.00	5.86
62		2-chloroethyl vinyl ether	0.143	0.168	-17.5	101	0.00	5.57
			True	Calc.	% Drift			
63		methyl methacrylate	50.000	51.073	-2.1	108	0.00	5.33
			AvgRF	CCRF	% Dev			
64		1,2-dichloropropane	0.229	0.254	-10.9	97	0.00	5.20
65		methylcyclohexane	0.179	0.200	-11.7	103	0.00	4.92
66		dibromomethane	0.142	0.150	-5.6	102	0.00	5.14
67		bromodichloromethane	0.286	0.321	-12.2	100	0.00	5.24
			True	Calc.	% Drift			
68		epichlorohydrin	250.000	242.340	3.1	106	0.00	5.73
			AvgRF	CCRF	% Dev			
69		cis-1,3-dichloropropene	0.326	0.380	-16.6	99	0.00	5.60
			True	Calc.	% Drift			
70		4-methyl-2-pentanone	200.000	208.516	-4.3	102	0.00	5.93
71		3-methyl-1-butanol	1000.000	1048.011	-4.8	105	0.00	5.83
			AvgRF	CCRF	% Dev			
72	I	chlorobenzene-d5	1.000	1.000	0.0	101	0.00	6.51
73	S	toluene-d8 (s)	1.333	1.343	-0.8	99	0.00	5.71
74		toluene	0.599	0.654	-9.2	99	0.00	5.73
75		ethyl methacrylate	0.300	0.321	-7.0	92	0.00	6.04
76		trans-1,3-dichloropropene	0.364	0.436	-19.8	102	0.00	5.96
77		1,1,2-trichloroethane	0.190	0.217	-14.2	101	0.00	6.04
78		tetrachloroethene		NA				
79		2-hexanone	0.124	0.160	-29.0	110	0.00	6.36
80		1,3-dichloropropane	0.392	0.453	-15.6	102	0.00	6.19
			True	Calc.	% Drift			
81		butyl acetate	50.000	49.994	0.0	104	0.00	6.31
			AvgRF	CCRF	% Dev			
82		dibromochloromethane	0.275	0.312	-13.5	101	0.00	6.14
83		1,2-dibromoethane	0.241	0.276	-14.5	100	0.00	6.26
84		n-butyl ether	1.117	1.277	-14.3	98	0.00	6.46
85		chlorobenzene	0.662	0.716	-8.2	99	0.00	6.52
86		1,1,1,2-tetrachloroethane	0.225	0.270	-20.0	103	0.00	6.55
87		ethylbenzene	1.135	1.222	-7.7	102	0.00	6.53
88		m,p-xylene	0.435	0.485	-11.5	101	0.00	6.60
89		o-xylene	0.410	0.481	-17.3	104	0.00	6.80
90		styrene	0.705	0.762	-8.1	95	0.00	6.83
91		bromoform	0.191	0.220	-15.2	103	0.00	6.85
92		butyl acrylate	0.499	0.603	-20.8	100	0.00	6.87
93		isopropylbenzene	0.945	1.184	-25.3	110	0.00	6.95
			True	Calc.	% Drift			
94		cis-1,4-dichloro-2-butene	50.000	49.684	0.6	98	0.00	7.10
			AvgRF	CCRF	% Dev			

Initial Calibration Verification

Job Number: JE1296 **Sample:** V2S228-ICV228
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 2S009392.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

95	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	101	0.00	7.59
96	S	4-bromofluorobenzene (s)	0.945	0.952	-0.7	101	0.00	7.08
97		bromobenzene	0.492	0.568	-15.4	105	0.00	7.13
98		1,1,2,2-tetrachloroethane	0.591	0.653	-10.5	98	0.00	7.17
99		trans-1,4-dichloro-2-bute	0.221	0.261	-18.1	104	0.00	7.24
100		1,2,3-trichloropropane	0.193	0.231	-19.7	109	0.00	7.23
101		n-propylbenzene	2.431	2.739	-12.7	101	0.00	7.14
102		2-chlorotoluene	0.485	0.584	-20.4	109	0.00	7.22
103		4-chlorotoluene	1.550	1.731	-11.7	100	0.00	7.29
104		1,3,5-trimethylbenzene	1.754	2.016	-14.9	102	0.00	7.22
105		tert-butylbenzene	1.469	1.807	-23.0	109	0.00	7.37
106		1,2,4-trimethylbenzene	1.795	2.121	-18.2	104	0.00	7.40
107		sec-butylbenzene	2.085	2.466	-18.3	103	0.00	7.45
108		1,3-dichlorobenzene	1.003	1.109	-10.6	98	0.00	7.55
109		p-isopropyltoluene	1.837	2.158	-17.5	103	0.00	7.51
110		1,4-dichlorobenzene	1.032	1.116	-8.1	100	0.00	7.60
111		1,2-dichlorobenzene	0.989	1.067	-7.9	100	0.00	7.78
112		1,2,3-trimethylbenzene		----------NA----------				
113		n-butylbenzene	0.978	1.161	-18.7	104	0.00	7.70
114		1,2-dibromo-3-chloropropa	0.170	0.193	-13.5	104	0.00	8.13
115		1,3,5-trichlorobenzene	0.711	0.862	-21.2	107	0.00	8.15
116		1,2,4-trichlorobenzene	0.650	0.745	-14.6	101	0.00	8.43
117		hexachlorobutadiene	0.263	0.291	-10.6	101	0.00	8.41
118		naphthalene	2.092	2.429	-16.1	101	0.00	8.58
119		1,2,3-trichlorobenzene	0.621	0.706	-13.7	102	0.00	8.67
		----------	True	Calc.	% Drift	----------		
120		hexachloroethane	50.000	47.823	4.4	100	0.00	7.77
		----------	AvgRF	CCRF	% Dev	----------		
121		benzyl chloride	0.246	0.271	-10.2	101	0.00	7.70
122		2-methylnaphthalene	1.011	1.103	-9.1	101	0.00	9.05

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2S009382.D m2s228.m Wed Oct 02 17:23:44 2024

Initial Calibration Verification

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: V2S228-ICV228
Lab FileID: 2S009394.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\Initials\VS228\2S009394.D Vial: 32
Acq On : 30 Sep 2024 10:16 pm Operator: edwardd
Sample : icv228-50 Inst : GCMS S
Misc : MS81509,V2S228,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\m2s228.m (RTE Integrator)
Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
Last Update : Tue Oct 01 15:09:31 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	65	0.00	2.74
		---------- True	Calc.	% Drift	----------			
2		ethanol		NA				
		---------- AvgRF	CCRF	% Dev	----------			
3	M	tertiary butyl alcohol		NA				
4		1,4-dioxane		NA				
5	I	pentafluorobenzene	1.000	1.000	0.0	95	0.00	4.62
6		chlorodifluoromethane	0.584	0.630	-7.9	94	0.00	1.22
7		dichlorodifluoromethane		NA				
8		chloromethane		NA				
9		vinyl chloride		NA				
10		1,3-butadiene		NA				
		---------- True	Calc.	% Drift	----------			
11		bromomethane		NA				
		---------- AvgRF	CCRF	% Dev	----------			
12		chloroethane		NA				
13		trichlorofluoromethane		NA				
14		ethyl ether		NA				
15		acrolein		NA				
16		freon 113		NA				
17		1,1-dichloroethene		NA				
		---------- True	Calc.	% Drift	----------			
18		acetone		NA				
		---------- AvgRF	CCRF	% Dev	----------			
19		acetonitrile	0.063	0.066	-4.8	98	0.00	2.94
		---------- True	Calc.	% Drift	----------			
20		iodomethane		NA				
		---------- AvgRF	CCRF	% Dev	----------			
21		carbon disulfide		NA				
22		methylene chloride		NA				
		---------- True	Calc.	% Drift	----------			
23		methyl acetate		NA				

Initial Calibration Verification

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: V2S228-ICV228
Lab FileID: 2S009394.D

				AvgRF	CCRF	% Dev			
24		methyl tert butyl ether			NA				
				AvgRF	CCRF	% Dev			
25		trans-1,2-dichloroethene			NA				
26		hexane			NA				
27		di-isopropyl ether			NA				
28		ethyl tert-butyl ether			NA				
				True	Calc.	% Drift			
29		2-butanone			NA				
				AvgRF	CCRF	% Dev			
30	M	1,1-dichloroethane			NA				
31		chloroprene			NA				
32		acrylonitrile		0.185	0.224	-21.1	101	0.00	3.24
				True	Calc.	% Drift			
33		vinyl acetate			NA				
34		ethyl acetate			NA				
				AvgRF	CCRF	% Dev			
35		2,2-dichloropropane			NA				
36		cis-1,2-dichloroethene			NA				
37		propionitrile			NA				
				True	Calc.	% Drift			
38		methyl acrylate			NA				
				AvgRF	CCRF	% Dev			
39		bromochloromethane			NA				
40		tetrahydrofuran			NA				
41		chloroform			NA				
42	S	dibromofluoromethane (s)		0.617	0.621	-0.6	98	0.00	4.25
43		methacrylonitrile			NA				
44		1,1,1-trichloroethane			NA				
45		cyclohexane			NA				
				True	Calc.	% Drift			
46		1,1-dichloropropene			NA				
				AvgRF	CCRF	% Dev			
47		carbon tetrachloride			NA				
				True	Calc.	% Drift			
48		isobutyl alcohol			NA				
				AvgRF	CCRF	% Dev			
49		tert-amyl alcohol			NA				
50	I	1,4-difluorobenzene		1.000	1.000	0.0	95	0.00	4.94
51	S	1,2-dichloroethane-d4 (s)		0.371	0.369	0.5	97	0.00	4.64
52		iso-octane			NA				
53	M	benzene			NA				
54		tert-amyl methyl ether			NA				
55		heptane			NA				
				True	Calc.	% Drift			
56		isopropyl acetate			NA				
				AvgRF	CCRF	% Dev			

Initial Calibration Verification

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: V2S228-ICV228
Lab FileID: 2S009394.D

57		1,2-dichloroethane		----------NA----------				
		----------	True	Calc.	% Drift	----------		
58		n-butyl alcohol		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
59		ethyl acrylate		----------NA----------				
60		trichloroethene		----------NA----------				
61		2-nitropropane		----------NA----------				
62		2-chloroethyl vinyl ether		----------NA----------				
		----------	True	Calc.	% Drift	----------		
63		methyl methacrylate		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
64		1,2-dichloropropane		----------NA----------				
65		methylcyclohexane		----------NA----------				
66		dibromomethane		----------NA----------				
67		bromodichloromethane		----------NA----------				
		----------	True	Calc.	% Drift	----------		
68		epichlorohydrin		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
69		cis-1,3-dichloropropene		----------NA----------				
		----------	True	Calc.	% Drift	----------		
70		4-methyl-2-pentanone		----------NA----------				
71		3-methyl-1-butanol		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
72	I	chlorobenzene-d5	1.000	1.000	0.0	96	0.00	6.51
73	S	toluene-d8 (s)	1.333	1.318	1.1	93	0.00	5.71
74		toluene		----------NA----------				
75		ethyl methacrylate		----------NA----------				
76		trans-1,3-dichloropropene		----------NA----------				
77		1,1,2-trichloroethane		----------NA----------				
78		tetrachloroethene	0.244	0.280	-14.8	96	0.00	5.95
79		2-hexanone		----------NA----------				
80		1,3-dichloropropane		----------NA----------				
		----------	True	Calc.	% Drift	----------		
81		butyl acetate		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
82		dibromochloromethane		----------NA----------				
83		1,2-dibromoethane		----------NA----------				
84		n-butyl ether		----------NA----------				
85		chlorobenzene		----------NA----------				
86		1,1,1,2-tetrachloroethane		----------NA----------				
87		ethylbenzene		----------NA----------				
88		m,p-xylene		----------NA----------				
89		o-xylene		----------NA----------				
90		styrene		----------NA----------				
91		bromoform		----------NA----------				
92		butyl acrylate		----------NA----------				
93		isopropylbenzene		----------NA----------				
		----------	True	Calc.	% Drift	----------		

Initial Calibration Verification

Job Number: JE1296 **Sample:** V2S228-ICV228
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 2S009394.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

94		cis-1,4-dichloro-2-butene		----------NA----------					
		----------	AvgRF	CCRF	% Dev	----------			
95	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	102	0.00	7.59	
96	S	4-bromofluorobenzene (s)	0.945	0.924	2.2	98	0.00	7.08	
97		bromobenzene		----------NA----------					
98		1,1,2,2-tetrachloroethane		----------NA----------					
99		trans-1,4-dichloro-2-bute		----------NA----------					
100		1,2,3-trichloropropane		----------NA----------					
101		n-propylbenzene		----------NA----------					
102		2-chlorotoluene		----------NA----------					
103		4-chlorotoluene		----------NA----------					
104		1,3,5-trimethylbenzene		----------NA----------					
105		tert-butylbenzene		----------NA----------					
106		1,2,4-trimethylbenzene		----------NA----------					
107		sec-butylbenzene		----------NA----------					
108		1,3-dichlorobenzene		----------NA----------					
109		p-isopropyltoluene		----------NA----------					
110		1,4-dichlorobenzene		----------NA----------					
111		1,2-dichlorobenzene		----------NA----------					
112		1,2,3-trimethylbenzene	1.930	2.359	-22.2	112	0.00	7.60	
113		n-butylbenzene		----------NA----------					
114		1,2-dibromo-3-chloropropa		----------NA----------					
115		1,3,5-trichlorobenzene		----------NA----------					
116		1,2,4-trichlorobenzene		----------NA----------					
117		hexachlorobutadiene		----------NA----------					
118		naphthalene		----------NA----------					
119		1,2,3-trichlorobenzene		----------NA----------					
		----------	True	Calc.	% Drift	----------			
120		hexachloroethane		----------NA----------					
		----------	AvgRF	CCRF	% Dev	----------			
121		benzyl chloride		----------NA----------					
122		2-methylnaphthalene		----------NA----------					

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2S009382.D m2s228.m Tue Oct 01 15:52:30 2024

Initial Calibration Verification

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: V2S228-ICV228
Lab FileID: 2S009400.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\Initials\VS228\2S009400.D Vial: 38
Acq On : 01 Oct 2024 04:08 pm Operator: edwardd
Sample : icv228-50 Inst : GCMS S
Misc : MS81509,V2S228,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\m2s228.m (RTE Integrator)
Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
Last Update : Tue Oct 01 15:53:48 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	110	0.00	2.73
		---------- True	Calc.	% Drift	----------			
2		ethanol		NA				
		---------- AvgRF	CCRF	% Dev	----------			
3	M	tertiary butyl alcohol		NA				
4		1,4-dioxane		NA				
5	I	pentafluorobenzene	1.000	1.000	0.0	98	0.00	4.62
6		chlorodifluoromethane		NA				
7		dichlorodifluoromethane		NA				
8		chloromethane		NA				
9		vinyl chloride		NA				
10		1,3-butadiene		NA				
		---------- True	Calc.	% Drift	----------			
11		bromomethane		NA				
		---------- AvgRF	CCRF	% Dev	----------			
12		chloroethane		NA				
13		trichlorofluoromethane		NA				
14		ethyl ether		NA				
15		acrolein		NA				
16		freon 113		NA				
17		1,1-dichloroethene		NA				
18		acetone	0.049	0.056	-14.3	101	0.00	2.53
19		acetonitrile		NA				
		---------- True	Calc.	% Drift	----------			
20		iodomethane		NA				
		---------- AvgRF	CCRF	% Dev	----------			
21		carbon disulfide		NA				
22		methylene chloride		NA				
		---------- True	Calc.	% Drift	----------			
23		methyl acetate		NA				
24		methyl tert butyl ether		NA				
		---------- AvgRF	CCRF	% Dev	----------			
25		trans-1,2-dichloroethene		NA				

Initial Calibration Verification

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: V2S228-ICV228
Lab FileID: 2S009400.D

26		hexane		----------NA----------					
27		di-isopropyl ether		----------NA----------					
28		ethyl tert-butyl ether		----------NA----------					
		----------	True	Calc.	% Drift	----------			
29		2-butanone		----------NA----------					
		----------	AvgRF	CCRF	% Dev	----------			
30	M	1,1-dichloroethane		----------NA----------					
31		chloroprene		----------NA----------					
32		acrylonitrile		----------NA----------					
		----------	True	Calc.	% Drift	----------			
33		vinyl acetate		----------NA----------					
34		ethyl acetate		----------NA----------					
		----------	AvgRF	CCRF	% Dev	----------			
35		2,2-dichloropropane		----------NA----------					
36		cis-1,2-dichloroethene		----------NA----------					
37		propionitrile		----------NA----------					
		----------	True	Calc.	% Drift	----------			
38		methyl acrylate		----------NA----------					
		----------	AvgRF	CCRF	% Dev	----------			
39		bromochloromethane		----------NA----------					
40		tetrahydrofuran		----------NA----------					
41		chloroform		----------NA----------					
42	S	dibromofluoromethane (s)	0.617	0.619	-0.3	100	0.00	4.25	
43		methacrylonitrile		----------NA----------					
44		1,1,1-trichloroethane		----------NA----------					
45		cyclohexane		----------NA----------					
		----------	True	Calc.	% Drift	----------			
46		1,1-dichloropropene		----------NA----------					
		----------	AvgRF	CCRF	% Dev	----------			
47		carbon tetrachloride		----------NA----------					
		----------	True	Calc.	% Drift	----------			
48		isobutyl alcohol		----------NA----------					
		----------	AvgRF	CCRF	% Dev	----------			
49		tert-amyl alcohol		----------NA----------					
50	I	1,4-difluorobenzene	1.000	1.000	0.0	99	0.00	4.94	
51	S	1,2-dichloroethane-d4 (s)	0.371	0.364	1.9	100	0.00	4.64	
52		iso-octane		----------NA----------					
53	M	benzene		----------NA----------					
54		tert-amyl methyl ether		----------NA----------					
55		heptane		----------NA----------					
		----------	True	Calc.	% Drift	----------			
56		isopropyl acetate		----------NA----------					
		----------	AvgRF	CCRF	% Dev	----------			
57		1,2-dichloroethane		----------NA----------					
		----------	True	Calc.	% Drift	----------			
58		n-butyl alcohol		----------NA----------					

Initial Calibration Verification

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: V2S228-ICV228
Lab FileID: 2S009400.D

			AvgRF	CCRF	% Dev			
59		ethyl acrylate		NA				
60		trichloroethene		NA				
61		2-nitropropane		NA				
62		2-chloroethyl vinyl ether		NA				
			True	Calc.	% Drift			
63		methyl methacrylate		NA				
			AvgRF	CCRF	% Dev			
64		1,2-dichloropropane		NA				
65		methylcyclohexane		NA				
66		dibromomethane		NA				
67		bromodichloromethane		NA				
			True	Calc.	% Drift			
68		epichlorohydrin		NA				
			AvgRF	CCRF	% Dev			
69		cis-1,3-dichloropropene		NA				
			True	Calc.	% Drift			
70		4-methyl-2-pentanone		NA				
71		3-methyl-1-butanol		NA				
			AvgRF	CCRF	% Dev			
72	I	chlorobenzene-d5	1.000	1.000	0.0	99	0.00	6.51
73	S	toluene-d8 (s)	1.333	1.342	-0.7	98	0.00	5.70
74		toluene		NA				
75		ethyl methacrylate		NA				
76		trans-1,3-dichloropropene		NA				
77		1,1,2-trichloroethane		NA				
78		tetrachloroethene		NA				
79		2-hexanone		NA				
80		1,3-dichloropropane		NA				
			True	Calc.	% Drift			
81		butyl acetate		NA				
			AvgRF	CCRF	% Dev			
82		dibromochloromethane		NA				
83		1,2-dibromoethane		NA				
84		n-butyl ether		NA				
85		chlorobenzene		NA				
86		1,1,1,2-tetrachloroethane		NA				
87		ethylbenzene		NA				
88		m,p-xylene		NA				
89		o-xylene		NA				
90		styrene		NA				
91		bromoform		NA				
92		butyl acrylate		NA				
93		isopropylbenzene		NA				
			True	Calc.	% Drift			
94		cis-1,4-dichloro-2-butene		NA				
			AvgRF	CCRF	% Dev			

Initial Calibration Verification

Job Number: JE1296 **Sample:** V2S228-ICV228
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 2S009400.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

95	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	102	0.00	7.59
96	S	4-bromofluorobenzene (s)	0.945	0.939	0.6	100	0.00	7.08
97		bromobenzene		----------NA----------				
98		1,1,2,2-tetrachloroethane		----------NA----------				
99		trans-1,4-dichloro-2-bute		----------NA----------				
100		1,2,3-trichloropropane		----------NA----------				
101		n-propylbenzene		----------NA----------				
102		2-chlorotoluene		----------NA----------				
103		4-chlorotoluene		----------NA----------				
104		1,3,5-trimethylbenzene		----------NA----------				
105		tert-butylbenzene		----------NA----------				
106		1,2,4-trimethylbenzene		----------NA----------				
107		sec-butylbenzene		----------NA----------				
108		1,3-dichlorobenzene		----------NA----------				
109		p-isopropyltoluene		----------NA----------				
110		1,4-dichlorobenzene		----------NA----------				
111		1,2-dichlorobenzene		----------NA----------				
112		1,2,3-trimethylbenzene		----------NA----------				
113		n-butylbenzene		----------NA----------				
114		1,2-dibromo-3-chloropropa		----------NA----------				
115		1,3,5-trichlorobenzene		----------NA----------				
116		1,2,4-trichlorobenzene		----------NA----------				
117		hexachlorobutadiene		----------NA----------				
118		naphthalene		----------NA----------				
119		1,2,3-trichlorobenzene		----------NA----------				

		----------	True	Calc.	% Drift	----------		
120		hexachloroethane		----------NA----------				

		----------	AvgRF	CCRF	% Dev	----------		
121		benzyl chloride		----------NA----------				
122		2-methylnaphthalene		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2S009382.D m2s228.m Wed Oct 02 13:34:51 2024

Continuing Calibration Summary

Job Number: JE1296 **Sample:** V2S289-CC228
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 2S011065.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\g...024\V2S289\2S011065.D Vial: 2
Acq On : 25 Nov 2024 09:52 am Operator: KevinA
Sample : cc228-20 Inst : GCMS S
Misc : MS87450,V2S289,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\m2s228.m (RTE Integrator)
Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
Last Update : Tue Oct 01 15:53:48 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	209#	-0.02	2.72
			True	Calc.	% Drift			
2		ethanol	2000.000	2076.732	-3.8	220	-0.01	2.00
			AvgRF	CCRF	% Dev			
3	M	tertiary butyl alcohol	1.035	1.083	-4.6	228#	-0.02	2.79
4		1,4-dioxane	0.072	0.097	-34.7#	264#	0.00	5.34
5	I	pentafluorobenzene	1.000	1.000	0.0	136	-0.01	4.61
6		chlorodifluoromethane	0.584	0.509	12.8	110	0.00	1.21
7		dichlorodifluoromethane	0.719	0.825	-14.7	152	0.00	1.18
8		chloromethane	0.637	0.616	3.3	130	0.00	1.31
9		vinyl chloride	0.601	0.601	0.0	133	0.00	1.35
10		1,3-butadiene	0.416	0.355	14.7	112	0.00	1.36
			True	Calc.	% Drift			
11		bromomethane	20.000	14.938	25.3#	110	-0.01	1.55
			AvgRF	CCRF	% Dev			
12		chloroethane	0.318	0.334	-5.0	139	0.00	1.63
13		trichlorofluoromethane	0.633	0.759	-19.9	157	0.00	1.72
14		ethyl ether	0.233	0.234	-0.4	130	0.00	1.92
15		acrolein	0.109	0.111	-1.8	142	-0.01	2.30
16		freon 113	0.274	0.301	-9.9	144	-0.01	2.09
17		1,1-dichloroethene	0.588	0.570	3.1	123	0.00	2.06
18		acetone	0.049	0.058	-18.4	160	-0.01	2.52
19		acetonitrile	0.063	0.082	-30.2#	180	-0.01	2.92
			True	Calc.	% Drift			
20		iodomethane	20.000	10.405	48.0#	73	0.00	2.17
			AvgRF	CCRF	% Dev			
21		carbon disulfide	1.098	1.079	1.7	128	-0.01	2.09
22		methylene chloride	0.474	0.438	7.6	134	0.00	2.49
			True	Calc.	% Drift			
23		methyl acetate	20.000	20.647	-3.2	159	-0.02	2.63
24		methyl tert butyl ether	20.000	20.566	-2.8	139	-0.01	2.72
			AvgRF	CCRF	% Dev			
25		trans-1,2-dichloroethene	0.385	0.413	-7.3	139	-0.01	2.63

Continuing Calibration Summary

Job Number: JE1296 **Sample:** V2S289-CC228
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 2S011065.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

26		hexane	0.954	0.875	8.3	121	-0.01	2.70
27		di-isopropyl ether	1.382	1.222	11.6	117	-0.01	3.08
28		ethyl tert-butyl ether	1.271	1.202	5.4	123	-0.01	3.45
			True	Calc.	% Drift			
29		2-butanone	80.000	85.294	-6.6	161	0.00	4.35
			AvgRF	CCRF	% Dev			
30	M	1,1-dichloroethane	0.794	0.801	-0.9	129	-0.01	3.19
31		chloroprene	0.689	0.609	11.6	115	-0.02	3.17
32		acrylonitrile	0.185	0.187	-1.1	132	0.00	3.23
			True	Calc.	% Drift			
33		vinyl acetate	20.000	20.001	-0.0	145	0.00	3.45
34		ethyl acetate	20.000	19.289	3.6	149	-0.01	4.20
			AvgRF	CCRF	% Dev			
35		2,2-dichloropropane	0.521	0.576	-10.6	144	-0.01	3.87
36		cis-1,2-dichloroethene	0.426	0.457	-7.3	140	-0.01	3.75
37		propionitrile	0.086	0.102	-18.6	163	0.00	4.56
			True	Calc.	% Drift			
38		methyl acrylate	20.000	18.960	5.2	146	-0.01	4.20
			AvgRF	CCRF	% Dev			
39		bromochloromethane	0.206	0.227	-10.2	141	-0.01	3.98
40		tetrahydrofuran	0.073	0.076	-4.1	164	-0.01	4.21
41		chloroform	0.201	0.181	10.0	120	0.00	4.07
42	S	dibromofluoromethane (s)	0.617	0.605	1.9	133	-0.01	4.24
43		methacrylonitrile	0.223	0.211	5.4	139	-0.01	4.57
44		1,1,1-trichloroethane	0.600	0.670	-11.7	139	0.00	4.26
45		cyclohexane	0.599	0.624	-4.2	136	-0.01	3.98
			True	Calc.	% Drift			
46		1,1-dichloropropene	20.000	18.394	8.0	131	-0.01	4.36
			AvgRF	CCRF	% Dev			
47		carbon tetrachloride	0.537	0.600	-11.7	141	0.00	4.20
			True	Calc.	% Drift			
48		isobutyl alcohol	200.000	251.935	-26.0#	202	0.00	4.71
			AvgRF	CCRF	% Dev			
49		tert-amyl alcohol	0.024	0.031	-29.2#	185	0.00	4.77
50	I	1,4-difluorobenzene	1.000	1.000	0.0	125	0.00	4.93
51	S	1,2-dichloroethane-d4 (s)	0.371	0.382	-3.0	125	0.00	4.63
52		iso-octane	0.749	0.726	3.1	120	0.00	4.46
53	M	benzene	0.800	0.917	-14.6	136	0.00	4.55
54		tert-amyl methyl ether	0.540	0.587	-8.7	138	0.00	4.64
55		heptane	0.156	0.150	3.8	116	0.00	4.54
			True	Calc.	% Drift			
56		isopropyl acetate	20.000	19.058	4.7	141	0.00	4.85
			AvgRF	CCRF	% Dev			
57		1,2-dichloroethane	0.336	0.349	-3.9	131	0.00	4.68
			True	Calc.	% Drift			
58		n-butyl alcohol	1000.000	1473.167	-47.3#	235	0.00	5.10

Continuing Calibration Summary

Job Number: JE1296 **Sample:** V2S289-CC228
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 2S011065.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

			AvgRF	CCRF	% Dev			
59		ethyl acrylate	0.361	0.360	0.3	129	0.00	5.21
60		trichloroethene	0.210	0.243	-15.7	135	0.00	4.92
61		2-nitropropane	0.080	0.071	11.3	115	0.00	5.85
62		2-chloroethyl vinyl ether	0.143	0.137	4.2	111	0.00	5.56
			True	Calc.	% Drift			
63		methyl methacrylate	20.000	19.224	3.9	139	0.00	5.33
			AvgRF	CCRF	% Dev			
64		1,2-dichloropropane	0.229	0.248	-8.3	131	0.00	5.19
65		methylcyclohexane	0.179	0.178	0.6	125	0.00	4.91
66		dibromomethane	0.142	0.155	-9.2	139	0.00	5.14
67		bromodichloromethane	0.286	0.333	-16.4	141	0.00	5.23
			True	Calc.	% Drift			
68		epichlorohydrin	100.000	111.073	-11.1	159	0.00	5.73
			AvgRF	CCRF	% Dev			
69		cis-1,3-dichloropropene	0.326	0.372	-14.1	135	0.00	5.60
			True	Calc.	% Drift			
70		4-methyl-2-pentanone	80.000	87.362	-9.2	137	0.00	5.93
71		3-methyl-1-butanol	400.000	628.817	-57.2#	243	0.00	5.82
			AvgRF	CCRF	% Dev			
72	I	chlorobenzene-d5	1.000	1.000	0.0	131	0.00	6.51
73	S	toluene-d8 (s)	1.333	1.299	2.6	128	0.00	5.70
74		toluene	0.599	0.647	-8.0	136	0.00	5.73
75		ethyl methacrylate	0.300	0.337	-12.3	140	0.00	6.03
76		trans-1,3-dichloropropene	0.364	0.398	-9.3	138	0.00	5.96
77		1,1,2-trichloroethane	0.190	0.204	-7.4	136	0.00	6.04
78		tetrachloroethene	0.244	0.281	-15.2	142	0.00	5.94
79		2-hexanone	0.124	0.146	-17.7	144	0.00	6.36
80		1,3-dichloropropane	0.392	0.421	-7.4	135	0.00	6.18
			True	Calc.	% Drift			
81		butyl acetate	20.000	18.928	5.4	138	0.00	6.31
			AvgRF	CCRF	% Dev			
82		dibromochloromethane	0.275	0.298	-8.4	139	0.00	6.13
83		1,2-dibromoethane	0.241	0.259	-7.5	137	0.00	6.26
84		n-butyl ether	1.117	1.184	-6.0	125	0.00	6.46
85		chlorobenzene	0.662	0.715	-8.0	137	0.00	6.52
86		1,1,1,2-tetrachloroethane	0.225	0.251	-11.6	137	0.00	6.55
87		ethylbenzene	1.135	1.229	-8.3	139	0.00	6.53
88		m,p-xylene	0.435	0.489	-12.4	138	0.00	6.59
89		o-xylene	0.410	0.461	-12.4	141	0.00	6.80
90		styrene	0.705	0.800	-13.5	139	0.00	6.83
91		bromoform	0.191	0.230	-20.4#	152	0.00	6.85
92		butyl acrylate	0.499	0.554	-11.0	137	0.00	6.87
93		isopropylbenzene	0.945	1.075	-13.8	139	0.00	6.95
			True	Calc.	% Drift			
94		cis-1,4-dichloro-2-butene	20.000	22.060	-10.3	127	0.00	7.10
			AvgRF	CCRF	% Dev			

Continuing Calibration Summary

Job Number: JE1296 **Sample:** V2S289-CC228
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 2S011065.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

95	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	143	0.00	7.59
96	S	4-bromofluorobenzene (s)	0.945	0.892	5.6	134	0.00	7.08
97		bromobenzene	0.492	0.539	-9.6	150	0.00	7.13
98		1,1,2,2-tetrachloroethane	0.591	0.609	-3.0	140	0.00	7.16
99		trans-1,4-dichloro-2-bute	0.221	0.182	17.6	116	0.00	7.24
100		1,2,3-trichloropropane	0.193	0.194	-0.5	139	0.00	7.23
101		n-propylbenzene	2.431	2.578	-6.0	142	0.00	7.13
102		2-chlorotoluene	0.485	0.500	-3.1	133	0.00	7.21
103		4-chlorotoluene	1.550	1.632	-5.3	142	0.00	7.29
104		1,3,5-trimethylbenzene	1.754	1.803	-2.8	137	0.00	7.22
105		tert-butylbenzene	1.469	1.518	-3.3	139	0.00	7.37
106		1,2,4-trimethylbenzene	1.795	1.866	-4.0	138	0.00	7.40
107		sec-butylbenzene	2.085	2.183	-4.7	137	0.00	7.44
108		1,3-dichlorobenzene	1.003	1.103	-10.0	148	0.00	7.55
109		p-isopropyltoluene	1.837	1.911	-4.0	137	0.00	7.51
110		1,4-dichlorobenzene	1.032	1.092	-5.8	146	0.00	7.59
111		1,2-dichlorobenzene	0.989	1.032	-4.3	145	0.00	7.78
112		1,2,3-trimethylbenzene	1.930	1.995	-3.4	141	0.00	7.60
113		n-butylbenzene	0.978	1.004	-2.7	135	0.00	7.70
114		1,2-dibromo-3-chloropropa	0.170	0.188	-10.6	158	0.00	8.13
115		1,3,5-trichlorobenzene	0.711	0.782	-10.0	149	0.00	8.15
116		1,2,4-trichlorobenzene	0.650	0.696	-7.1	147	0.00	8.43
117		hexachlorobutadiene	0.263	0.297	-12.9	156	0.00	8.41
118		naphthalene	2.092	1.986	5.1	129	0.00	8.58
119		1,2,3-trichlorobenzene	0.621	0.660	-6.3	144	0.00	8.66
			True	Calc.	% Drift			
120		hexachloroethane	20.000	17.512	12.4	142	0.00	7.77
			AvgRF	CCRF	% Dev			
121		benzyl chloride	0.246	0.260	-5.7	159	0.00	7.70
122		2-methylnaphthalene	1.011	0.732	27.6#	106	0.00	9.05

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2S009380.D m2s228.m Mon Nov 25 17:16:24 2024

Continuing Calibration Summary

Job Number: JE1296 **Sample:** V2S289-CC228
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 2S011066.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\g...024\V2S289\2S011066.D Vial: 3
Acq On : 25 Nov 2024 10:35 am Operator: KevinA
Sample : cc228-2 Inst : GCMS S
Misc : MS87450,V2S289,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\m2s228.m (RTE Integrator)
Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
Last Update : Tue Oct 01 15:53:48 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 200% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	162	0.00	2.73
		---------- True	Calc.	% Drift	----------			
2		ethanol		NA				
		---------- AvgRF	CCRF	% Dev	----------			
3	M	tertiary butyl alcohol		NA				
4		1,4-dioxane		NA				
5	I	pentafluorobenzene	1.000	1.000	0.0	131	0.00	4.62
6		chlorodifluoromethane		NA				
7		dichlorodifluoromethane		NA				
8		chloromethane		NA				
9		vinyl chloride		NA				
10		1,3-butadiene		NA				
		---------- True	Calc.	% Drift	----------			
11		bromomethane	2.000	2.675	-33.7	160	0.00	1.56
		---------- AvgRF	CCRF	% Dev	----------			
12		chloroethane		NA				
13		trichlorofluoromethane		NA				
14		ethyl ether		NA				
15		acrolein		NA				
16		freon 113		NA				
17		1,1-dichloroethene		NA				
18		acetone		NA				
19		acetonitrile		NA				
		---------- True	Calc.	% Drift	----------			
20		iodomethane	2.000	2.489	-24.4	116	0.00	2.18
		---------- AvgRF	CCRF	% Dev	----------			
21		carbon disulfide		NA				
22		methylene chloride		NA				
		---------- True	Calc.	% Drift	----------			
23		methyl acetate		NA				
24		methyl tert butyl ether		NA				
		---------- AvgRF	CCRF	% Dev	----------			
25		trans-1,2-dichloroethene		NA				

Continuing Calibration Summary

Job Number: JE1296 **Sample:** V2S289-CC228
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 2S011066.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

26		hexane			NA				
27		di-isopropyl ether			NA				
28		ethyl tert-butyl ether			NA				
			True	Calc.	% Drift				
29		2-butanone			NA				
			AvgRF	CCRF	% Dev				
30	M	1,1-dichloroethane			NA				
31		chloroprene			NA				
32		acrylonitrile			NA				
			True	Calc.	% Drift				
33		vinyl acetate			NA				
34		ethyl acetate			NA				
			AvgRF	CCRF	% Dev				
35		2,2-dichloropropane			NA				
36		cis-1,2-dichloroethene			NA				
37		propionitrile			NA				
			True	Calc.	% Drift				
38		methyl acrylate			NA				
			AvgRF	CCRF	% Dev				
39		bromochloromethane			NA				
40		tetrahydrofuran			NA				
41		chloroform			NA				
42	S	dibromofluoromethane (s)	0.617	0.618	-0.2	129	0.00	4.25	
43		methacrylonitrile			NA				
44		1,1,1-trichloroethane			NA				
45		cyclohexane			NA				
			True	Calc.	% Drift				
46		1,1-dichloropropene			NA				
			AvgRF	CCRF	% Dev				
47		carbon tetrachloride			NA				
			True	Calc.	% Drift				
48		isobutyl alcohol			NA				
			AvgRF	CCRF	% Dev				
49		tert-amyl alcohol			NA				
50	I	1,4-difluorobenzene	1.000	1.000	0.0	124	0.00	4.93	
51	S	1,2-dichloroethane-d4 (s)	0.371	0.366	1.3	122	0.00	4.64	
52		iso-octane			NA				
53	M	benzene			NA				
54		tert-amyl methyl ether			NA				
55		heptane			NA				
			True	Calc.	% Drift				
56		isopropyl acetate			NA				
			AvgRF	CCRF	% Dev				
57		1,2-dichloroethane			NA				
			True	Calc.	% Drift				
58		n-butyl alcohol			NA				

Continuing Calibration Summary

Job Number: JE1296 **Sample:** V2S289-CC228
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 2S011066.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

			AvgRF	CCRF	% Dev			
59		ethyl acrylate		NA				
60		trichloroethene		NA				
61		2-nitropropane		NA				
62		2-chloroethyl vinyl ether		NA				
			True	Calc.	% Drift			
63		methyl methacrylate		NA				
			AvgRF	CCRF	% Dev			
64		1,2-dichloropropane		NA				
65		methylcyclohexane		NA				
66		dibromomethane		NA				
67		bromodichloromethane		NA				
			True	Calc.	% Drift			
68		epichlorohydrin		NA				
			AvgRF	CCRF	% Dev			
69		cis-1,3-dichloropropene		NA				
			True	Calc.	% Drift			
70		4-methyl-2-pentanone		NA				
71		3-methyl-1-butanol		NA				
			AvgRF	CCRF	% Dev			
72	I	chlorobenzene-d5	1.000	1.000	0.0	130	0.00	6.51
73	S	toluene-d8 (s)	1.333	1.239	7.1	121	0.00	5.70
74		toluene		NA				
75		ethyl methacrylate		NA				
76		trans-1,3-dichloropropene		NA				
77		1,1,2-trichloroethane		NA				
78		tetrachloroethene		NA				
79		2-hexanone		NA				
80		1,3-dichloropropane		NA				
			True	Calc.	% Drift			
81		butyl acetate		NA				
			AvgRF	CCRF	% Dev			
82		dibromochloromethane		NA				
83		1,2-dibromoethane		NA				
84		n-butyl ether		NA				
85		chlorobenzene		NA				
86		1,1,1,2-tetrachloroethane		NA				
87		ethylbenzene		NA				
88		m,p-xylene		NA				
89		o-xylene		NA				
90		styrene		NA				
91		bromoform		NA				
92		butyl acrylate		NA				
93		isopropylbenzene		NA				
			True	Calc.	% Drift			
94		cis-1,4-dichloro-2-butene		NA				
			AvgRF	CCRF	% Dev			

Continuing Calibration Summary

Job Number: JE1296 **Sample:** V2S289-CC228
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 2S011066.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

95	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	136	0.00	7.59
96	S	4-bromofluorobenzene (s)	0.945	0.866	8.4	124	0.00	7.08
97		bromobenzene		----------NA----------				
98		1,1,2,2-tetrachloroethane		----------NA----------				
99		trans-1,4-dichloro-2-bute		----------NA----------				
100		1,2,3-trichloropropane		----------NA----------				
101		n-propylbenzene		----------NA----------				
102		2-chlorotoluene		----------NA----------				
103		4-chlorotoluene		----------NA----------				
104		1,3,5-trimethylbenzene		----------NA----------				
105		tert-butylbenzene		----------NA----------				
106		1,2,4-trimethylbenzene		----------NA----------				
107		sec-butylbenzene		----------NA----------				
108		1,3-dichlorobenzene		----------NA----------				
109		p-isopropyltoluene		----------NA----------				
110		1,4-dichlorobenzene		----------NA----------				
111		1,2-dichlorobenzene		----------NA----------				
112		1,2,3-trimethylbenzene		----------NA----------				
113		n-butylbenzene		----------NA----------				
114		1,2-dibromo-3-chloropropa		----------NA----------				
115		1,3,5-trichlorobenzene		----------NA----------				
116		1,2,4-trichlorobenzene		----------NA----------				
117		hexachlorobutadiene		----------NA----------				
118		naphthalene		----------NA----------				
119		1,2,3-trichlorobenzene		----------NA----------				
		----------	True	Calc.	% Drift	----------		
120		hexachloroethane		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
121		benzyl chloride		----------NA----------				
122		2-methylnaphthalene	1.011	0.725	28.3	124	0.00	9.05

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2S009374.D m2s228.m Mon Nov 25 17:38:43 2024

Run Sequence Report

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: V2S228	**Method:** SW846 8260D	**Instrument ID:** GCMS2S

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V2S228-BFB	2S009366.D	09/30/24 16:01	n/a	BFB Tune
V2S228-IC228	2S009368.D	09/30/24 16:40	n/a	Initial cal 0.2
V2S228-IC228	2S009370.D	09/30/24 17:06	n/a	Initial cal 0.5
V2S228-IC228	2S009372.D	09/30/24 17:32	n/a	Initial cal 1
V2S228-IC228	2S009374.D	09/30/24 17:57	n/a	Initial cal 2
V2S228-IC228	2S009376.D	09/30/24 18:23	n/a	Initial cal 4
V2S228-IC228	2S009378.D	09/30/24 18:49	n/a	Initial cal 8
V2S228-IC228	2S009380.D	09/30/24 19:15	n/a	Initial cal 20
V2S228-ICC228	2S009382.D	09/30/24 19:41	n/a	Initial cal 50
V2S228-IC228	2S009384.D	09/30/24 20:07	n/a	Initial cal 100
V2S228-IC228	2S009386.D	09/30/24 20:33	n/a	Initial cal 200
V2S228-ICV228	2S009392.D	09/30/24 21:50	n/a	Initial cal verification 50
V2S228-ICV228	2S009394.D	09/30/24 22:16	n/a	Initial cal verification 50
V2S228-BFB2	2S009398.D	10/01/24 15:24	n/a	BFB Tune
V2S228-ICV228	2S009400.D	10/01/24 16:08	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: V2S289	**Method:** SW846 8260D	**Instrument ID:** GCMS2S

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V2S289-CC228	2S011065.D	11/25/24 09:52	n/a	Continuing cal 20
V2S289-CC228	2S011066.D	11/25/24 10:35	n/a	Continuing cal 2
V2S289-BS	2S011067.D	11/25/24 11:01	n/a	Blank Spike
V2S289-MB	2S011069.D	11/25/24 11:53	n/a	Method Blank
ZZZZZZ	2S011070.D	11/25/24 12:23	n/a	(unrelated sample)
ZZZZZZ	2S011071.D	11/25/24 12:49	n/a	(unrelated sample)
ZZZZZZ	2S011072.D	11/25/24 13:15	n/a	(unrelated sample)
JE1160-1	2S011073.D	11/25/24 13:41	n/a	(used for QC only; not part of job JE1296)
JE1160-2	2S011074.D	11/25/24 14:08	n/a	(used for QC only; not part of job JE1296)
ZZZZZZ	2S011075.D	11/25/24 14:34	n/a	(unrelated sample)
JE1160-1MS	2S011076.D	11/25/24 15:00	n/a	Matrix Spike
JE1160-2DUP	2S011078.D	11/25/24 15:52	n/a	Duplicate
JE1296-12	2S011079.D	11/25/24 16:18	n/a	FB-1
ZZZZZZ	2S011080.D	11/25/24 16:44	n/a	(unrelated sample)
ZZZZZZ	2S011081.D	11/25/24 17:10	n/a	(unrelated sample)
ZZZZZZ	2S011082.D	11/25/24 17:37	n/a	(unrelated sample)
ZZZZZZ	2S011083.D	11/25/24 18:03	n/a	(unrelated sample)
ZZZZZZ	2S011084.D	11/25/24 18:29	n/a	(unrelated sample)
ZZZZZZ	2S011085.D	11/25/24 18:55	n/a	(unrelated sample)
ZZZZZZ	2S011086.D	11/25/24 19:21	n/a	(unrelated sample)
ZZZZZZ	2S011087.D	11/25/24 19:47	n/a	(unrelated sample)
ZZZZZZ	2S011088.D	11/25/24 20:13	n/a	(unrelated sample)
ZZZZZZ	2S011089.D	11/25/24 20:39	n/a	(unrelated sample)
ZZZZZZ	2S011090.D	11/25/24 21:05	n/a	(unrelated sample)
ZZZZZZ	2S011091.D	11/25/24 21:31	n/a	(unrelated sample)

MS Volatiles

Raw Data

Quantitation Report (LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\Claireb\Claireb-2024\11. November\11-27-2024\V2S289\
Data File : 2S011079.D
Acq On : 25 Nov 2024 04:18 pm
Operator : KevinA
Sample : JE1296-12 Inst : GCMS S
Misc : MS87512,V2S289,5,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 25 23:21:38 2024
Quant Method : C:\msdchem\1\methods\m2s228.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Tue Oct 01 15:53:48 2024
Response via : Initial Calibration

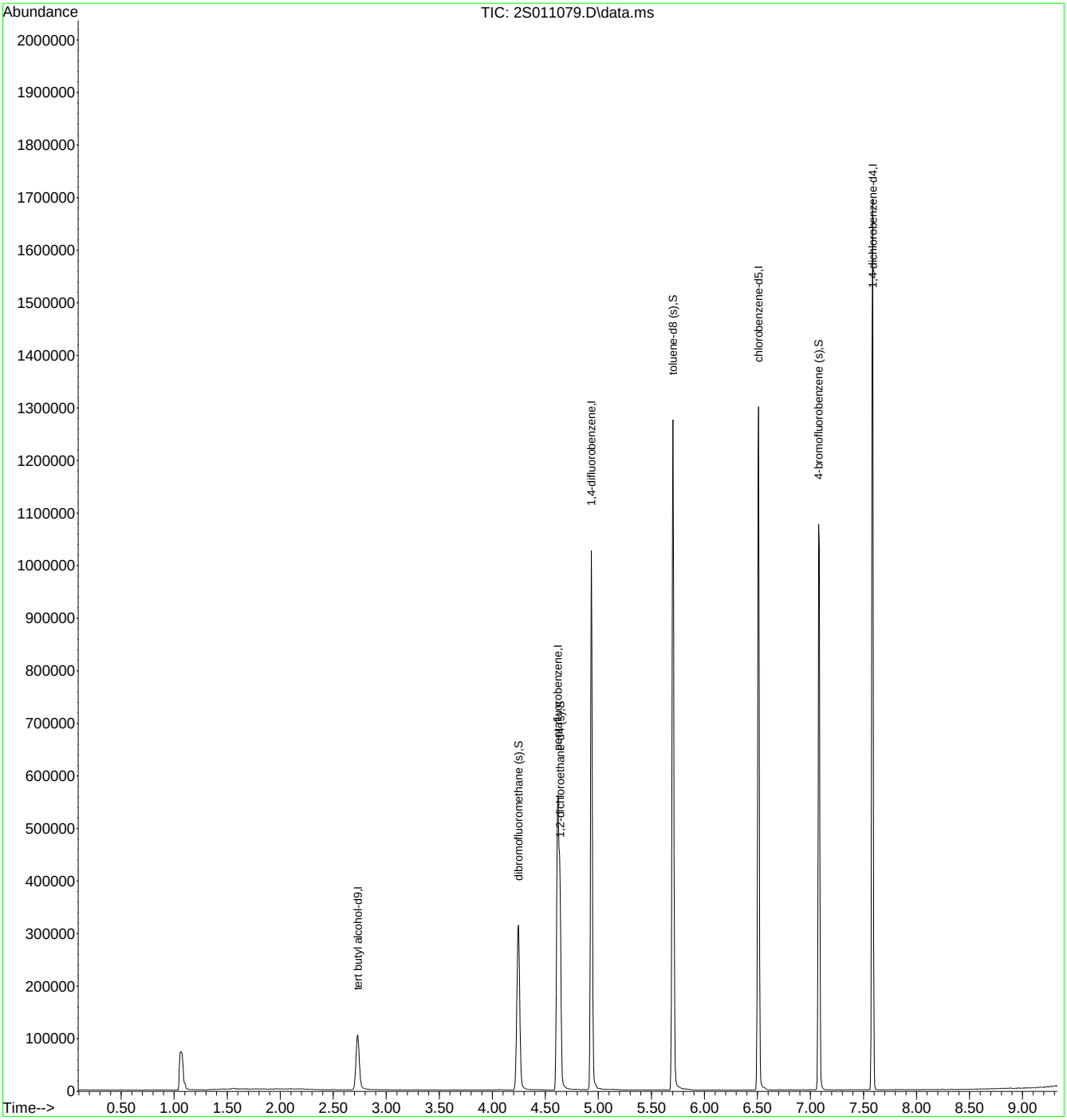
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.731	65	113640	500.00	ug/L	0.00
5) pentafluorobenzene	4.618	168	266078	50.00	ug/L	0.00
50) 1,4-difluorobenzene	4.933	114	512035	50.00	ug/L	0.00
72) chlorobenzene-d5	6.511	117	456114	50.00	ug/L	0.00
95) 1,4-dichlorobenzene-d4	7.586	152	259009	50.00	ug/L	0.00
System Monitoring Compounds						
42) dibromofluoromethane (s)	4.246	113	181702	55.37	ug/L	0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 110.74%			
51) 1,2-dichloroethane-d4 (s)	4.639	65	199788	52.55	ug/L	0.00
Spiked Amount 50.000	Range 75 - 130		Recovery = 105.10%			
73) toluene-d8 (s)	5.704	98	573631	47.17	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 94.34%			
96) 4-bromofluorobenzene (s)	7.077	95	225613	46.11	ug/L	0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 92.22%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\Claireb\Claireb-2024\11. November\11-27-2024\V2S289\
Data File : 2S011079.D
Acq On : 25 Nov 2024 04:18 pm
Operator : KevinA
Sample : JE1296-12 Inst : GCMS S
Misc : MS87512,V2S289,5,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 25 23:21:38 2024
Quant Method : C:\msdchem\1\methods\m2s228.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Tue Oct 01 15:53:48 2024
Response via : Initial Calibration



LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\Claireb\Claireb-2024\11. November\11-27-2024\V2S289\
Data File : 2S011079.D
Acq On : 25 Nov 2024 04:18 pm
Operator : KevinA
Sample : JE1296-12
Misc : MS87512,V2S289,5,,,,1
ALS Vial : 16 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 100

Method : C:\msdchem\1\methods\m2s228.m
Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um

Signal : TIC: 2S011079.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	0.282	31	37	41	rBV2	421	759	0.05%	0.008%
2	0.356	49	51	57	rBV2	922	1509	0.10%	0.016%
3	0.434	57	66	71	rVB2	746	1864	0.12%	0.020%
4	0.497	71	78	81	rBV	904	1551	0.10%	0.017%
5	0.544	81	87	91	rVV2	518	1008	0.06%	0.011%
6	0.728	113	122	125	rBV	711	840	0.05%	0.009%
7	0.817	135	139	141	rVB	738	738	0.05%	0.008%
8	0.922	153	159	161	rVB	695	742	0.05%	0.008%
9	0.964	161	167	173	rBV2	624	1046	0.07%	0.011%
10	1.058	177	185	221	rVB2	72699	180781	11.44%	1.949%
11	1.279	223	227	231	rVB2	490	660	0.04%	0.007%
12	1.373	231	245	247	rBV2	1971	4385	0.28%	0.047%
13	1.462	247	262	265	rBV4	1736	6637	0.42%	0.072%
14	1.567	267	282	287	rBV5	2023	4523	0.29%	0.049%
15	1.625	287	293	295	rBV3	977	1179	0.07%	0.013%
16	1.829	327	332	333	rBV3	1508	2190	0.14%	0.024%
17	1.845	333	335	343	rVV3	1340	2297	0.15%	0.025%
18	1.908	343	347	351	rVV4	738	1144	0.07%	0.012%
19	1.965	351	358	361	rVV4	1191	2074	0.13%	0.022%
20	2.023	361	369	373	rVV4	922	1558	0.10%	0.017%
21	2.102	379	384	391	rBV4	1113	2181	0.14%	0.024%
22	2.191	391	401	413	rVB3	1207	4217	0.27%	0.045%
23	2.406	439	442	445	rVB	668	566	0.04%	0.006%
24	2.442	445	449	455	rBV2	489	754	0.05%	0.008%
25	2.490	455	458	477	rVB4	1118	2779	0.18%	0.030%
26	2.621	477	483	485	rBV2	540	536	0.03%	0.006%
27	2.731	491	504	531	rBV	104442	239353	15.14%	2.580%
28	2.904	531	537	545	rVB3	1175	3519	0.22%	0.038%
29	3.003	545	556	557	rBV3	830	2132	0.13%	0.023%
30	3.119	573	578	583	rBV2	826	1527	0.10%	0.016%
31	3.245	599	602	605	rBV2	587	733	0.05%	0.008%
32	3.297	605	612	613	rVV2	622	848	0.05%	0.009%
33	3.329	613	618	619	rVV2	566	731	0.05%	0.008%
34	3.355	619	623	627	rVB2	585	518	0.03%	0.006%
35	3.454	631	642	653	rBV2	731	2639	0.17%	0.028%
36	3.528	653	656	665	rBV2	475	853	0.05%	0.009%
37	3.638	665	677	683	rVB2	699	1879	0.12%	0.020%
38	3.722	683	693	697	rBV2	671	1662	0.11%	0.018%
39	3.884	703	724	725	rBV2	562	2244	0.14%	0.024%
40	3.921	725	731	735	rBV2	519	798	0.05%	0.009%

LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\Claireb\Claireb-2024\11. November\11-27-2024\V2S289\
Data File : 2S011079.D
Acq On : 25 Nov 2024 04:18 pm
Operator : KevinA
Sample : JE1296-12
Misc : MS87512,V2S289,5,,,,1
ALS Vial : 16 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 100

Method : C:\msdchem\1\methods\m2s228.m
Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um

41	3.963	735	739	743	rVB2	608	553	0.03%	0.006%
42	4.015	743	749	751	rVB2	782	995	0.06%	0.011%
43	4.063	751	758	773	rBV3	1315	4016	0.25%	0.043%
44	4.246	779	793	825	rBV	313739	605420	38.30%	6.526%
45	4.435	825	829	831	rVB4	830	819	0.05%	0.009%
46	4.466	833	835	843	rVB2	1069	2104	0.13%	0.023%
47	4.519	843	845	851	rBV3	999	1707	0.11%	0.018%
48	4.618	851	864	891	rBV2	561105	1306170	82.64%	14.079%
49	4.933	913	924	955	rBV	1025888	1185998	75.03%	12.784%
50	5.179	965	971	985	rVB3	1481	5132	0.32%	0.055%
51	5.321	985	998	999	rBV2	767	2284	0.14%	0.025%
52	5.347	999	1003	1007	rVV2	496	944	0.06%	0.010%
53	5.405	1007	1014	1015	rVB2	730	1261	0.08%	0.014%
54	5.442	1015	1021	1025	rVB2	793	1541	0.10%	0.017%
55	5.483	1025	1029	1033	rBV2	1024	1255	0.08%	0.014%
56	5.536	1033	1039	1043	rVV2	371	660	0.04%	0.007%
57	5.573	1043	1046	1051	rBV	680	846	0.05%	0.009%
58	5.609	1051	1053	1057	rVV	533	599	0.04%	0.006%
59	5.704	1057	1071	1109	rVV	1275443	1518532	96.07%	16.368%
60	6.050	1129	1137	1139	rBV2	743	1470	0.09%	0.016%
61	6.081	1139	1143	1149	rVV2	628	1106	0.07%	0.012%
62	6.134	1149	1153	1157	rVV2	759	929	0.06%	0.010%
63	6.165	1157	1159	1165	rVV2	641	706	0.04%	0.008%
64	6.238	1169	1173	1177	rVV2	483	666	0.04%	0.007%
65	6.275	1177	1180	1189	rVB2	824	1729	0.11%	0.019%
66	6.391	1189	1202	1205	rBV2	759	2203	0.14%	0.024%
67	6.432	1205	1210	1215	rBV2	486	1031	0.07%	0.011%
68	6.511	1215	1225	1249	rBV	1299990	1392702	88.11%	15.012%
69	6.705	1255	1262	1263	rBV2	1047	639	0.04%	0.007%
70	6.805	1279	1281	1299	rBV2	991	2020	0.13%	0.022%
71	6.936	1299	1306	1307	rVB	698	1028	0.07%	0.011%
72	6.988	1315	1316	1323	rBV3	873	1255	0.08%	0.014%
73	7.077	1323	1333	1347	rVV	1076252	1113119	70.42%	11.998%
74	7.167	1347	1350	1355	rVB2	650	1102	0.07%	0.012%
75	7.250	1363	1366	1371	rBV2	451	810	0.05%	0.009%
76	7.303	1371	1376	1377	rVB2	698	648	0.04%	0.007%
77	7.340	1377	1383	1387	rBV2	880	1101	0.07%	0.012%
78	7.392	1387	1393	1397	rVB2	532	1114	0.07%	0.012%
79	7.429	1397	1400	1407	rBV2	726	1142	0.07%	0.012%
80	7.586	1419	1430	1443	rBV	1694886	1580628	100.00%	17.037%
81	7.712	1447	1454	1457	rVB3	337	596	0.04%	0.006%
82	7.801	1457	1471	1473	rBV3	749	1429	0.09%	0.015%
83	7.932	1493	1496	1507	rVB4	609	1697	0.11%	0.018%
84	8.016	1507	1512	1513	rBV3	886	1012	0.06%	0.011%
85	8.053	1513	1519	1525	rBV3	811	1275	0.08%	0.014%

LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\Claireb\Claireb-2024\11. November\11-27-2024\V2S289\
Data File : 2S011079.D
Acq On : 25 Nov 2024 04:18 pm
Operator : KevinA
Sample : JE1296-12
Misc : MS87512,V2S289,5,,,,1
ALS Vial : 16 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 100

Method : C:\msdchem\1\methods\m2s228.m
Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um

86	8.152	1535	1538	1541	rBV	957	674	0.04%	0.007%
87	8.241	1549	1555	1563	rBV4	984	903	0.06%	0.010%
88	8.330	1565	1572	1575	rVB3	1281	1854	0.12%	0.020%
89	8.477	1591	1600	1603	rBV3	615	1149	0.07%	0.012%
90	8.519	1603	1608	1611	rVB3	1071	1245	0.08%	0.013%
91	8.556	1611	1615	1617	rVB4	1087	1353	0.09%	0.015%
92	8.603	1617	1624	1625	rBV2	1727	2905	0.18%	0.031%
93	8.703	1631	1643	1645	rBV6	1336	2453	0.16%	0.026%
94	8.776	1653	1657	1659	rBV4	752	838	0.05%	0.009%
95	8.886	1667	1678	1689	rBV7	1597	5711	0.36%	0.062%
96	8.949	1689	1690	1703	rBV5	1716	5062	0.32%	0.055%
97	9.059	1703	1711	1713	rBV4	1842	4211	0.27%	0.045%
98	9.112	1715	1721	1725	rVB3	652	661	0.04%	0.007%
99	9.169	1725	1732	1737	rBV6	1299	3591	0.23%	0.039%
100	9.227	1737	1743	1745	rBV6	1869	2874	0.18%	0.031%

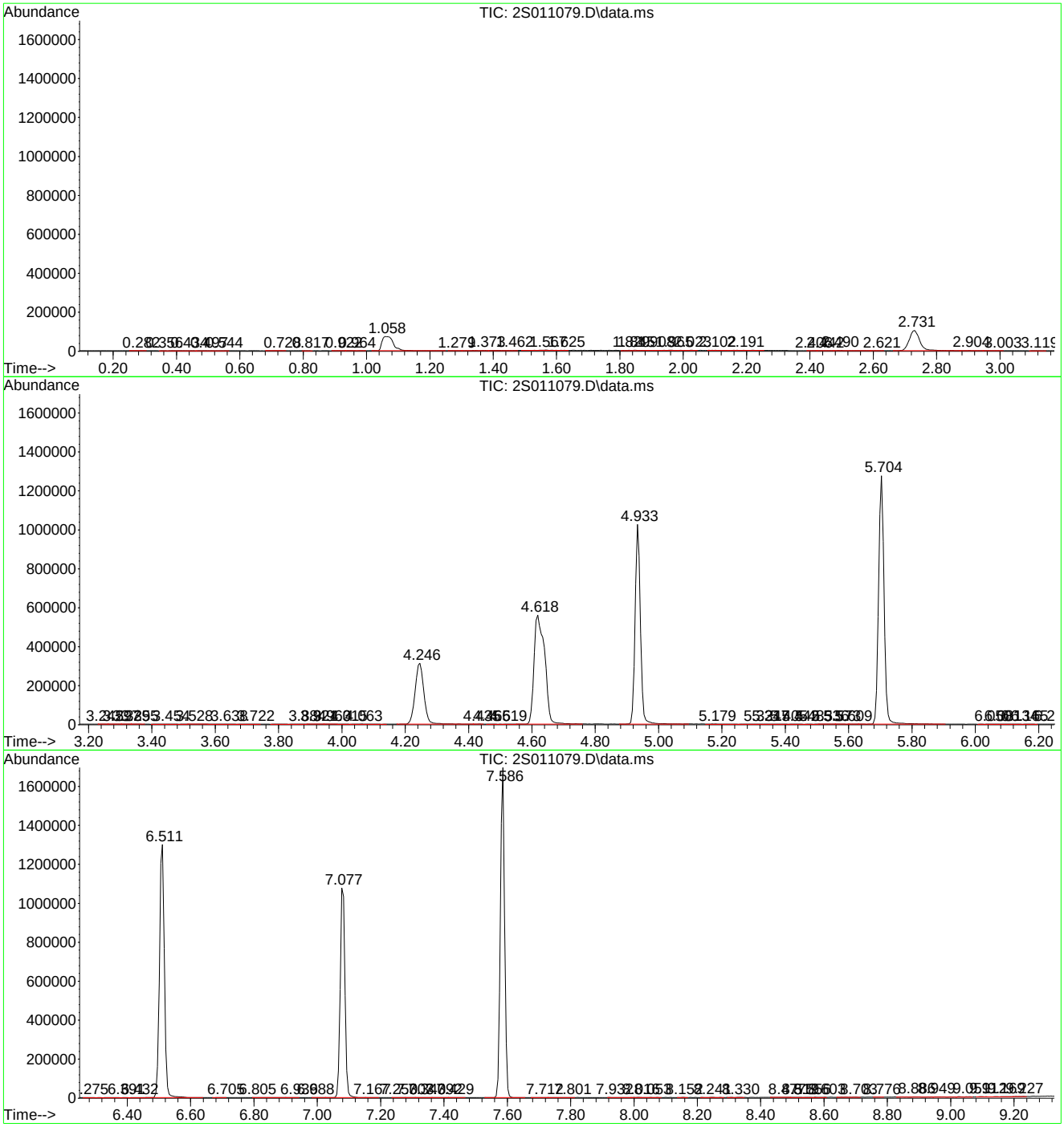
Sum of corrected areas: 9277431

LSC Report - Integrated Chromatogram

```
Data Path : X:\Dayton VOA GCMS\Claireb\Claireb-2024\11. November\11-27-2024\V2S289\
Data File : 2S011079.D
Acq On    : 25 Nov 2024  04:18 pm
Operator  : KevinA
Sample    : JE1296-12
Misc      : MS87512,V2S289,5,,,,1
ALS Vial  : 16   Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\m2s228.m
Quant Title  : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um

TIC Library   : C:\Database\NIST08.L
TIC Integration Parameters: lscint.p
```



Library Search Compound Report

Data Path : X:\Dayton VOA GCMS\Claireb\Claireb-2024\11. November\11-27-2024\V2S289\
Data File : 2S011079.D
Acq On : 25 Nov 2024 04:18 pm
Operator : KevinA
Sample : JE1296-12
Misc : MS87512,V2S289,5,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\m2s228.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um

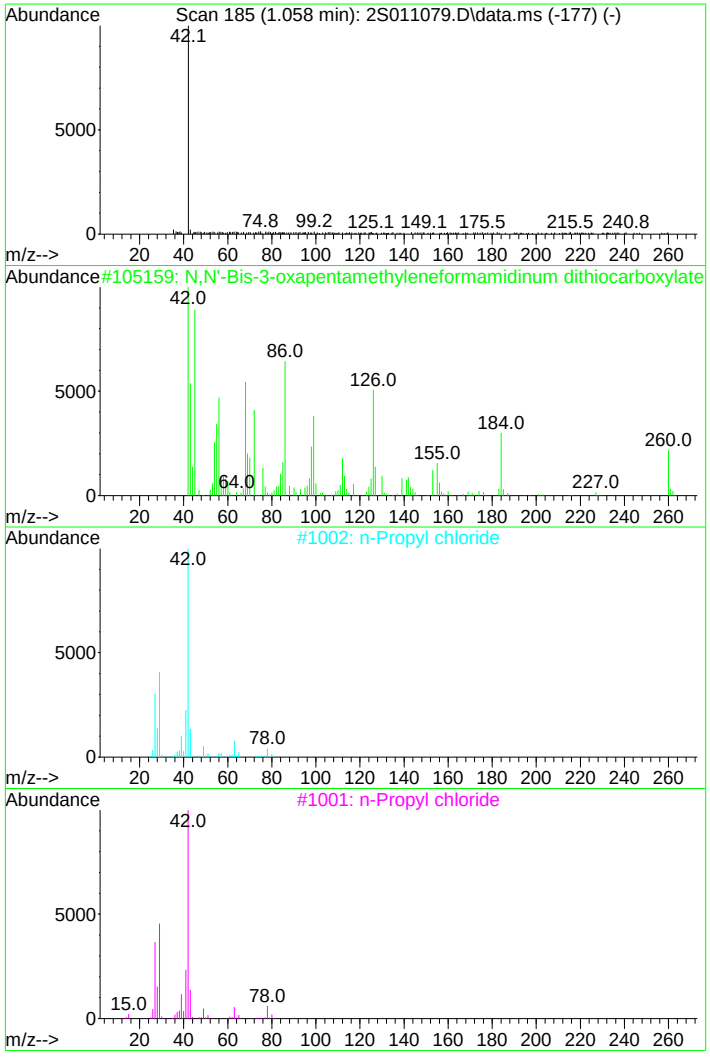
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: lscint.p

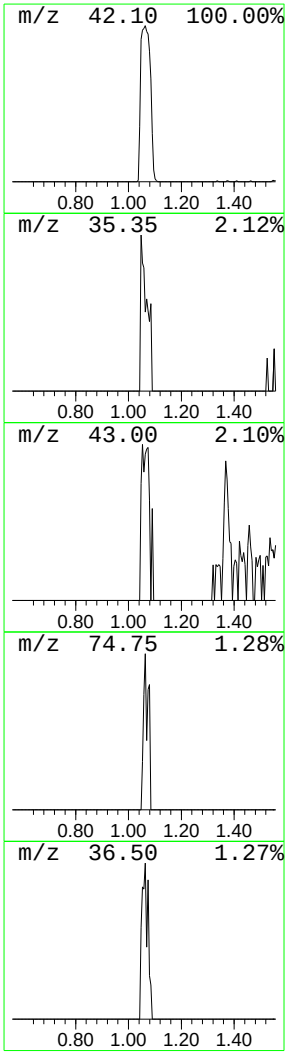
****

Peak Number 1 System artifact Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.058	6.92 ug/L	180781	pentafluorobenzene	4.618

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N,N'-Bis-3-oxapentamethyleneform...	260	C10H16N2O2S2	004030-53-9	74
2	n-Propyl chloride	78	C3H7Cl	000540-54-5	9
3	n-Propyl chloride	78	C3H7Cl	000540-54-5	7
4	EPPS	252	C9H20N2O4S	016052-06-5	7
5	1,3,5-Triazaadamantane, 7-(2,4-d...	310	C14H16Cl2N4	304880-73-7	7





Tentatively Identified Compound (LSC) summary

Data Path : X:\Dayton VOA GCMS\Claireb\Claireb-2024\11. November\11-27-2024\V2S289\
Data File : 2S011079.D
Acq On : 25 Nov 2024 04:18 pm
Operator : KevinA
Sample : JE1296-12
Misc : MS87512,V2S289,5,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\m2s228.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: lscint.p

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
System artifact	1.058	6.9	ug/L	180781	2	4.618	1306170	50.0

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V2S289\
Data File : 2S011069.D
Acq On : 25 Nov 2024 11:53 am
Operator : KevinA
Sample : mb Inst : GCMS S
Misc : MS46075,V2S289,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 25 17:46:14 2024
Quant Method : C:\msdchem\1\methods\m2s228.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Tue Oct 01 15:53:48 2024
Response via : Initial Calibration

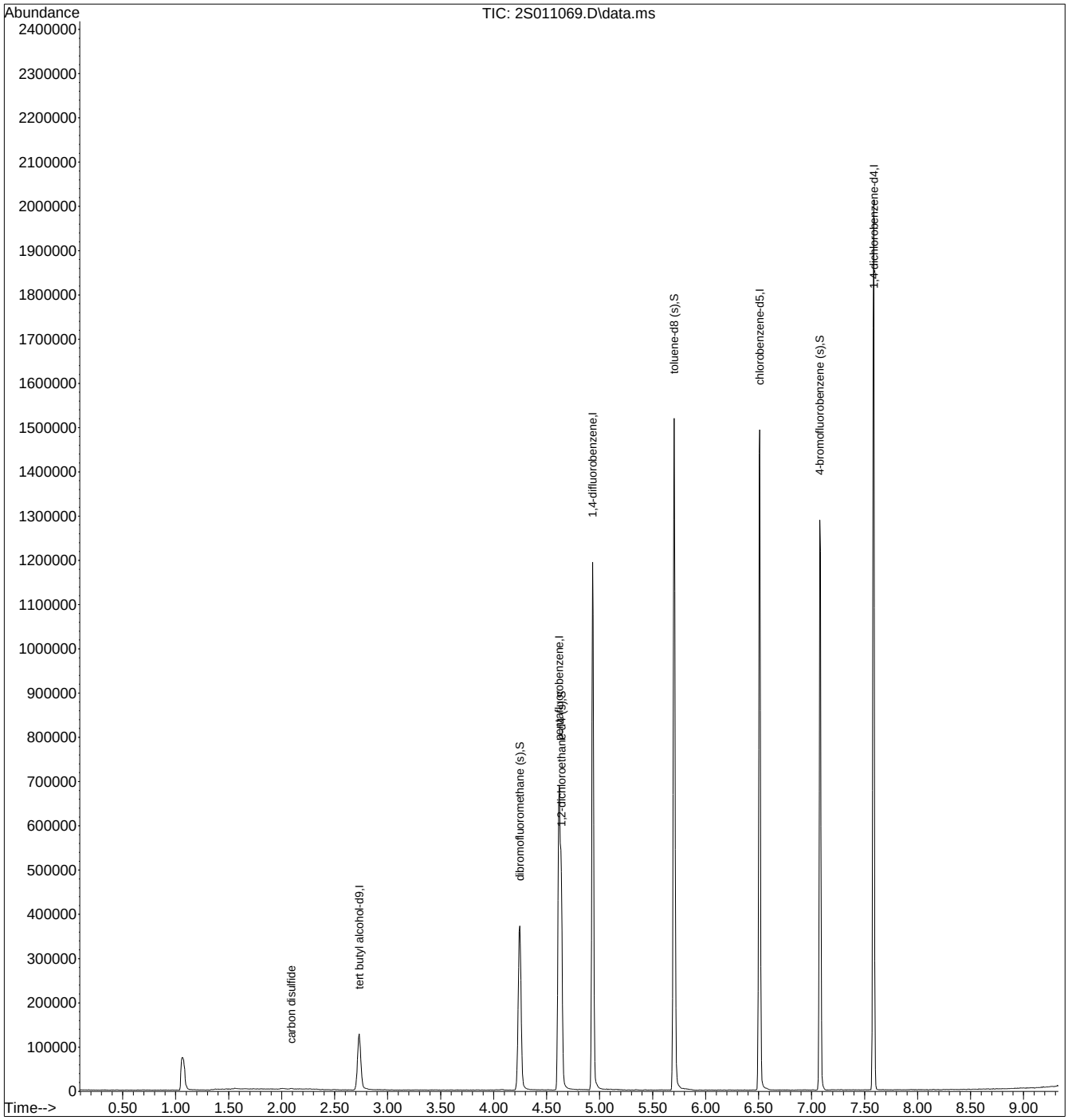
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.731	65	141523	500.00	ug/L	0.00
5) pentafluorobenzene	4.618	168	338631	50.00	ug/L	0.00
50) 1,4-difluorobenzene	4.933	114	629312	50.00	ug/L	0.00
72) chlorobenzene-d5	6.511	117	545262	50.00	ug/L	0.00
95) 1,4-dichlorobenzene-d4	7.586	152	316702	50.00	ug/L	0.00
System Monitoring Compounds						
42) dibromofluoromethane (s)	4.246	113	217539	52.09	ug/L	0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 104.18%			
51) 1,2-dichloroethane-d4 (s)	4.639	65	233317	49.93	ug/L	0.00
Spiked Amount 50.000	Range 75 - 130		Recovery = 99.86%			
73) toluene-d8 (s)	5.704	98	696985	47.95	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 95.90%			
96) 4-bromofluorobenzene (s)	7.077	95	270634	45.24	ug/L	0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 90.48%			
Target Compounds						Qvalue
21) carbon disulfide	2.091	76	1140	0.1533	ug/L	89

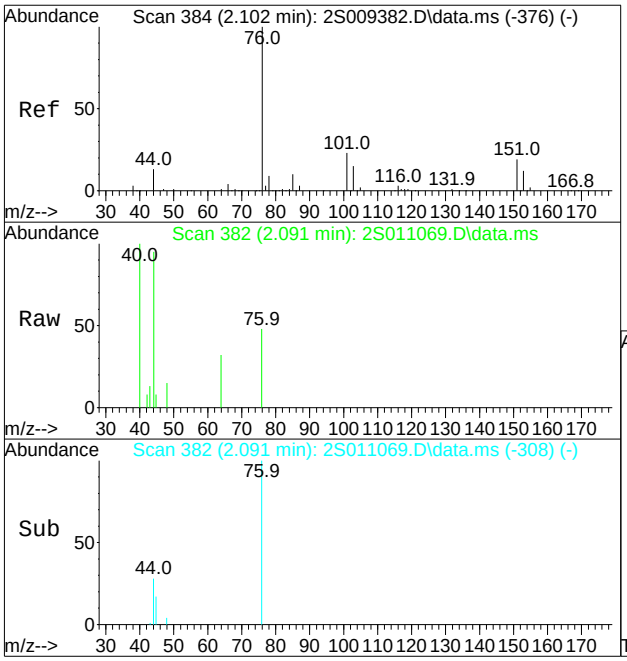
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V2S289\
Data File : 2S011069.D
Acq On : 25 Nov 2024 11:53 am
Operator : KevinA
Sample : mb Inst : GCMS S
Misc : MS46075,V2S289,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 25 17:46:14 2024
Quant Method : C:\msdchem\1\methods\m2s228.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Tue Oct 01 15:53:48 2024
Response via : Initial Calibration

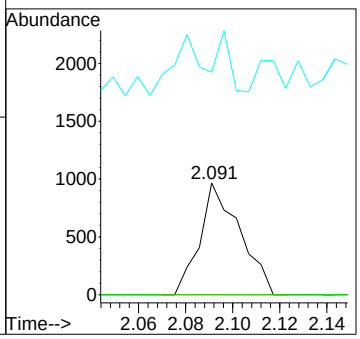




#21
carbon disulfide
Concen: 0.1533 ug/L
RT: 2.091 min Scan# 382
Delta R.T. -0.011 min
Lab File: 2S011069.D
Acq: 25 Nov 2024 11:53 am

Tgt Ion: 76 Resp: 1140

Ion	Ratio	Lower	Upper
76	100		
78	0.0	0.0	39.2
44	14.4	0.0	43.8



LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V2S289\
Data File : 2S011069.D
Acq On : 25 Nov 2024 11:53 am
Operator : KevinA
Sample : mb
Misc : MS46075,V2S289,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 100

Method : C:\msdchem\1\methods\m2s228.m
Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um

Signal : TIC: 2S011069.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	0.177	11	17	25	rVB	798	1292	0.07%	0.012%
2	0.293	33	39	43	rBV	473	614	0.03%	0.006%
3	0.335	43	47	57	rVB	900	1082	0.06%	0.010%
4	0.398	57	59	63	rVB2	694	806	0.04%	0.007%
5	0.445	63	68	73	rBV2	768	1613	0.09%	0.015%
6	0.529	81	84	93	rBV2	461	985	0.05%	0.009%
7	0.586	93	95	99	rVB	690	526	0.03%	0.005%
8	0.628	99	103	105	rBV2	485	735	0.04%	0.007%
9	0.702	107	117	129	rVB2	795	3073	0.16%	0.028%
10	0.796	129	135	139	rBV2	778	1227	0.07%	0.011%
11	0.833	139	142	145	rVB	834	527	0.03%	0.005%
12	0.911	149	157	163	rBV2	924	2078	0.11%	0.019%
13	1.063	179	186	201	rBV2	74079	178686	9.47%	1.608%
14	1.373	227	245	247	rBV2	2277	5903	0.31%	0.053%
15	1.483	261	266	273	rBV4	1538	3115	0.17%	0.028%
16	1.556	277	280	295	rVV7	2565	6736	0.36%	0.061%
17	1.645	295	297	307	rVV5	1087	2808	0.15%	0.025%
18	1.729	307	313	319	rVV6	1244	1927	0.10%	0.017%
19	1.913	339	348	349	rVB2	1021	1063	0.06%	0.010%
20	2.007	357	366	379	rBV6	1996	5860	0.31%	0.053%
21	2.096	379	383	395	rVB5	1912	3596	0.19%	0.032%
22	2.264	405	415	421	rVB5	1174	2315	0.12%	0.021%
23	2.495	453	459	469	rBV5	1122	2081	0.11%	0.019%
24	2.600	475	479	483	rVB3	744	1176	0.06%	0.011%
25	2.652	483	489	493	rVB2	772	1722	0.09%	0.015%
26	2.731	493	504	533	rBV2	127046	293922	15.58%	2.645%
27	2.904	533	537	545	rVV3	1316	2126	0.11%	0.019%
28	2.972	545	550	555	rVB3	784	697	0.04%	0.006%
29	3.087	567	572	581	rBV2	787	2409	0.13%	0.022%
30	3.155	581	585	589	rVV	920	1230	0.07%	0.011%
31	3.192	589	592	597	rVV2	831	1375	0.07%	0.012%
32	3.286	597	610	611	rVV2	783	2138	0.11%	0.019%
33	3.318	611	616	617	rVV2	720	754	0.04%	0.007%
34	3.355	621	623	627	rVV2	591	587	0.03%	0.005%
35	3.418	627	635	637	rVB2	723	585	0.03%	0.005%
36	3.470	637	645	651	rBV2	676	1358	0.07%	0.012%
37	3.533	651	657	659	rBV2	493	514	0.03%	0.005%
38	3.832	707	714	723	rVV2	763	2264	0.12%	0.020%
39	3.905	723	728	733	rVV2	447	1004	0.05%	0.009%
40	3.968	733	740	747	rVB2	464	1292	0.07%	0.012%

LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V2S289\
Data File : 2S011069.D
Acq On : 25 Nov 2024 11:53 am
Operator : KevinA
Sample : mb
Misc : MS46075,V2S289,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 100

Method : C:\msdchem\1\methods\m2s228.m
Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um

41	4.026	747	751	755	rBV2	1089	1432	0.08%	0.013%
42	4.089	755	763	767	rVB3	1386	3032	0.16%	0.027%
43	4.246	777	793	817	rBV	371292	720035	38.17%	6.479%
44	4.461	831	834	837	rVV	861	772	0.04%	0.007%
45	4.508	837	843	853	rVB3	1202	3280	0.17%	0.030%
46	4.618	853	864	897	rBV2	688582	1594078	84.49%	14.344%
47	4.812	897	901	907	rVV4	1767	3604	0.19%	0.032%
48	4.875	909	913	915	rVV2	1469	1765	0.09%	0.016%
49	4.933	915	924	951	rVV	1193058	1432604	75.94%	12.891%
50	5.111	953	958	979	rVV4	2173	9817	0.52%	0.088%
51	5.232	979	981	985	rVB2	764	622	0.03%	0.006%
52	5.263	985	987	997	rBV3	663	985	0.05%	0.009%
53	5.337	997	1001	1009	rVB3	1103	1749	0.09%	0.016%
54	5.431	1015	1019	1023	rBV2	1127	1774	0.09%	0.016%
55	5.478	1023	1028	1035	rVV2	902	2257	0.12%	0.020%
56	5.578	1035	1047	1063	rVV2	1363	5575	0.30%	0.050%
57	5.704	1063	1071	1113	rVV	1518679	1827898	96.89%	16.449%
58	5.950	1113	1118	1121	rVB2	533	945	0.05%	0.009%
59	5.992	1121	1126	1133	rBV2	631	1421	0.08%	0.013%
60	6.071	1133	1141	1143	rVV2	572	1247	0.07%	0.011%
61	6.139	1143	1154	1159	rVV2	605	1478	0.08%	0.013%
62	6.181	1159	1162	1165	rVV	482	690	0.04%	0.006%
63	6.254	1165	1176	1179	rVB2	875	1741	0.09%	0.016%
64	6.296	1179	1184	1187	rVB2	601	941	0.05%	0.008%
65	6.369	1187	1198	1199	rBV	948	1242	0.07%	0.011%
66	6.411	1199	1206	1209	rBV3	687	1075	0.06%	0.010%
67	6.511	1209	1225	1247	rBV	1492628	1658073	87.89%	14.920%
68	6.647	1247	1251	1259	rVB2	810	1789	0.09%	0.016%
69	6.747	1259	1270	1271	rBV2	895	1628	0.09%	0.015%
70	6.768	1271	1274	1279	rBV2	905	1005	0.05%	0.009%
71	6.815	1279	1283	1287	rBV2	511	635	0.03%	0.006%
72	6.873	1291	1294	1297	rBV	426	658	0.03%	0.006%
73	6.930	1297	1305	1309	rVB2	798	1170	0.06%	0.011%
74	7.009	1317	1320	1325	rVB2	1022	1089	0.06%	0.010%
75	7.077	1325	1333	1345	rBV	1288492	1325439	70.25%	11.927%
76	7.276	1363	1371	1375	rVB4	1469	2748	0.15%	0.025%
77	7.324	1375	1380	1381	rBV2	912	1122	0.06%	0.010%
78	7.355	1381	1386	1387	rBV2	817	1264	0.07%	0.011%
79	7.392	1391	1393	1399	rVB	807	721	0.04%	0.006%
80	7.507	1405	1415	1421	rBV3	881	2231	0.12%	0.020%
81	7.586	1421	1430	1445	rVB	2012093	1886614	100.00%	16.977%
82	7.675	1445	1447	1453	rBV2	756	692	0.04%	0.006%
83	7.780	1465	1467	1479	rBV2	870	2064	0.11%	0.019%
84	7.879	1479	1486	1489	rVB3	800	1141	0.06%	0.010%
85	7.948	1489	1499	1503	rBV3	1186	3236	0.17%	0.029%

LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V2S289\
Data File : 2S011069.D
Acq On : 25 Nov 2024 11:53 am
Operator : KevinA
Sample : mb
Misc : MS46075,V2S289,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 100

Method : C:\msdchem\1\methods\m2s228.m
Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um

86	8.031	1509	1515	1527	rVB5	1140	3421	0.18%	0.031%
87	8.147	1527	1537	1551	rBV4	1481	4790	0.25%	0.043%
88	8.246	1551	1556	1565	rBV5	1455	3252	0.17%	0.029%
89	8.325	1565	1571	1575	rBV3	1119	1682	0.09%	0.015%
90	8.378	1575	1581	1583	rBV3	615	698	0.04%	0.006%
91	8.409	1583	1587	1597	rVB5	1203	2565	0.14%	0.023%
92	8.477	1597	1600	1615	rBV4	1339	4811	0.26%	0.043%
93	8.577	1615	1619	1625	rBV6	1099	1057	0.06%	0.010%
94	8.650	1625	1633	1639	rVB3	1347	3207	0.17%	0.029%
95	8.713	1639	1645	1649	rBV2	1756	2914	0.15%	0.026%
96	8.912	1675	1683	1687	rBV6	1376	2783	0.15%	0.025%
97	8.960	1687	1692	1693	rBV2	1269	1633	0.09%	0.015%
98	9.001	1693	1700	1705	rBV7	1307	2916	0.15%	0.026%
99	9.064	1705	1712	1719	rBV7	1891	4782	0.25%	0.043%
100	9.185	1719	1735	1739	rBV7	3763	13152	0.70%	0.118%

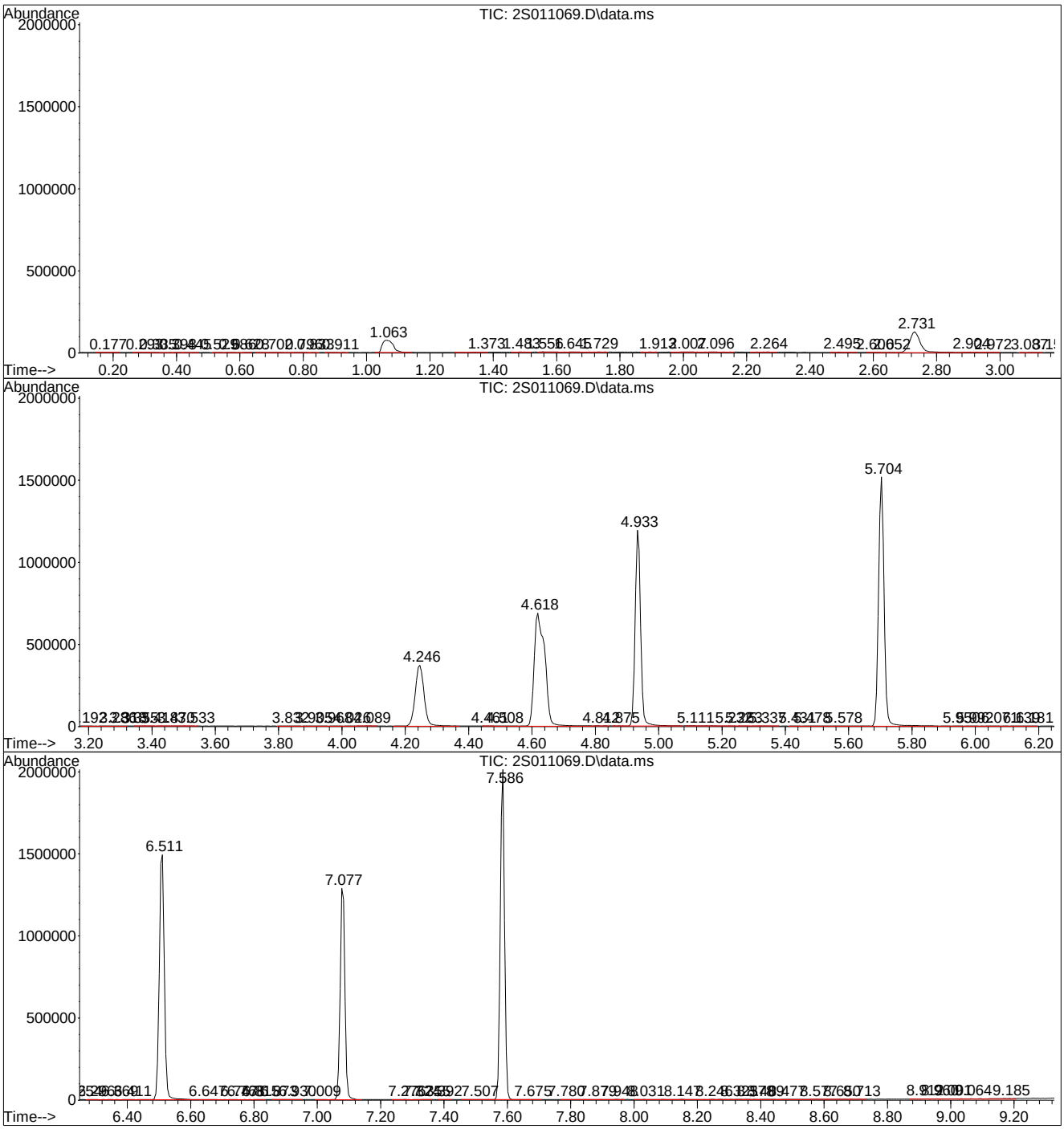
Sum of corrected areas: 11112842

LSC Report - Integrated Chromatogram

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V2S289\
Data File : 2S011069.D
Acq On : 25 Nov 2024 11:53 am
Operator : KevinA
Sample : mb
Misc : MS46075,V2S289,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\m2s228.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: lscint.p



Library Search Compound Report

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V2S289\
Data File : 2S011069.D
Acq On : 25 Nov 2024 11:53 am
Operator : KevinA
Sample : mb
Misc : MS46075,V2S289,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\m2s228.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um

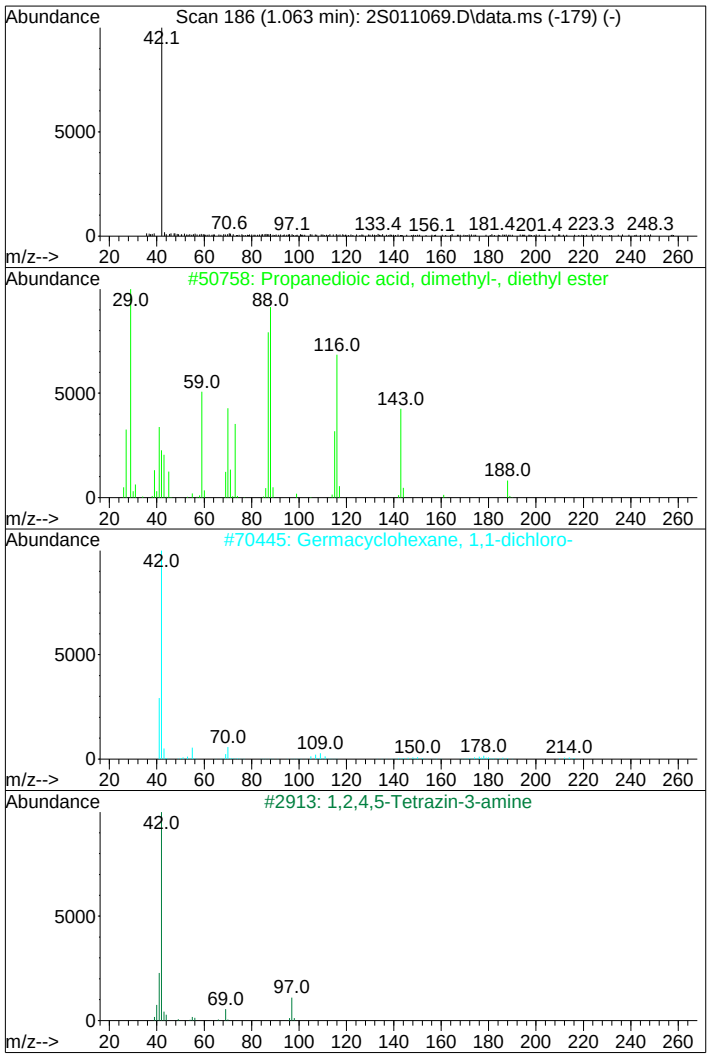
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: lscint.p

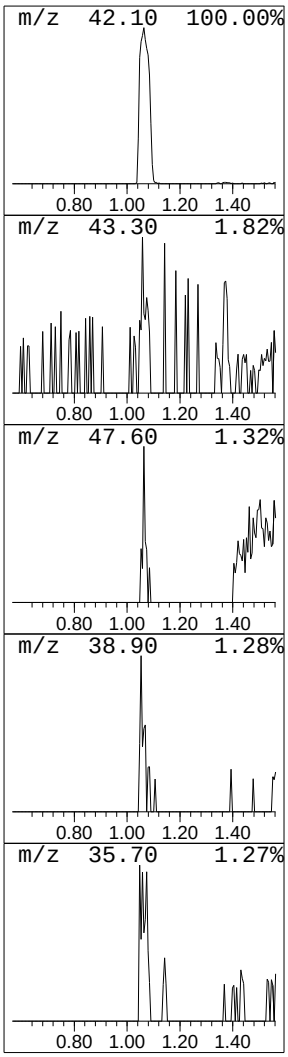
****

Peak Number 1 system artifact Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.063	5.60 ug/L	178686	pentafluorobenzene	4.618

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanedioic acid, dimethyl-, di...	188	C9H16O4	001619-62-1	76
2	Germacyclohexane, 1,1-dichloro-	214	C5H10Cl2Ge	056438-28-9	9
3	1,2,4,5-Tetrazin-3-amine	97	C2H3N5	079329-74-1	9
4	(4,4-Dimethyl-2,5-dioxoimidazoli...	200	C8H12N2O4	1000311-20-1	7
5	4-Dimethylamino-3,5-dinitrobenzo...	255	C9H9N3O6	053639-29-5	5





Tentatively Identified Compound (LSC) summary

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V2S289\
Data File : 2S011069.D
Acq On : 25 Nov 2024 11:53 am
Operator : KevinA
Sample : mb
Misc : MS46075,V2S289,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\m2s228.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: lscint.p

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
system artifact	1.063	5.6	ug/L	178686	2	4.618	1594080	50.0

MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (DFTPP)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59724-MB1	P163308.D	1	11/29/24	KLS	11/27/24	OP59724	EP7621

The QC reported here applies to the following samples: **Method:** SW846 8270E

JE1296-2, JE1296-4, JE1296-6, JE1296-8, JE1296-10, JE1296-14, JE1296-16, JE1296-20, JE1296-24, JE1296-26, JE1296-28, JE1296-30, JE1296-32, JE1296-34, JE1296-36, JE1296-38

CAS No.	Compound	Result	RL	MDL	Units	Q
56-55-3	Benzo(a)anthracene	ND	33	9.4	ug/kg	
50-32-8	Benzo(a)pyrene	ND	33	15	ug/kg	

CAS No.	Surrogate Recoveries		Limits
4165-60-0	Nitrobenzene-d5	0%* [a]	10-109%
321-60-8	2-Fluorobiphenyl	19%	11-109%
1718-51-0	Terphenyl-d14	80%	10-120%

(a) Outside control limits. Associated analytes not needed in the client sample.

Method Blank Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59717-MB1	F223206.D	1	11/29/24	KLS	11/27/24	OP59717	EF9917

The QC reported here applies to the following samples: **Method:** SW846 8270E

JE1296-12

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol	ND	5.0	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.89	ug/l	
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	
105-60-2	Caprolactam	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	

Method Blank Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59717-MB1	F223206.D	1	11/29/24	KLS	11/27/24	OP59717	EF9917

The QC reported here applies to the following samples: **Method:** SW846 8270E

JE1296-12

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.51	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.66	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.50	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	ND	1.0	0.23	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

Method Blank Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59717-MB1	F223206.D	1	11/29/24	KLS	11/27/24	OP59717	EF9917

The QC reported here applies to the following samples: **Method:** SW846 8270E

JE1296-12

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	42%	10-71%
4165-62-2	Phenol-d5	28%	10-58%
118-79-6	2,4,6-Tribromophenol	83%	22-144%
4165-60-0	Nitrobenzene-d5	73%	28-118%
321-60-8	2-Fluorobiphenyl	71%	34-116%
1718-51-0	Terphenyl-d14	88%	10-127%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact	4.08	44	ug/l	J
	System artifact	4.17	14	ug/l	J
	System artifact	4.28	37	ug/l	J
	Unknown	13.60	5.1	ug/l	J
	Total TIC, Semi-Volatile		5.1	ug/l	J

Blank Spike Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59724-BS1	P163309.D	1	11/29/24	KLS	11/27/24	OP59724	EP7621

The QC reported here applies to the following samples: **Method:** SW846 8270E

JE1296-2, JE1296-4, JE1296-6, JE1296-8, JE1296-10, JE1296-14, JE1296-16, JE1296-20, JE1296-24, JE1296-26, JE1296-28, JE1296-30, JE1296-32, JE1296-34, JE1296-36, JE1296-38

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
56-55-3	Benzo(a)anthracene	1670	1020	61	11-139
50-32-8	Benzo(a)pyrene	1670	1100	66	13-141

CAS No.	Surrogate Recoveries	BSP	Limits
4165-60-0	Nitrobenzene-d5	59%	10-109%
321-60-8	2-Fluorobiphenyl	59%	11-109%
1718-51-0	Terphenyl-d14	67%	10-120%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59717-BS1	F223207.D	1	11/29/24	KLS	11/27/24	OP59717	EF9917
OP59717-BSD	F223208.D	1	11/29/24	KLS	11/27/24	OP59717	EF9917

The QC reported here applies to the following samples: **Method:** SW846 8270E

JE1296-12

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	50	34.5	69	35.7	71	3	17-111/59
59-50-7	4-Chloro-3-methyl phenol	50	41.7	83	42.2	84	1	30-118/47
120-83-2	2,4-Dichlorophenol	50	41.4	83	40.5	81	2	30-119/50
105-67-9	2,4-Dimethylphenol	50	37.5	75	37.3	75	1	20-114/49
51-28-5	2,4-Dinitrophenol	100	118	118	120	120	2	11-141/72
534-52-1	4,6-Dinitro-o-cresol	50	58.5	117	60.4	121	3	30-142/51
95-48-7	2-Methylphenol	50	33.9	68	34.4	69	1	10-110/56
	3&4-Methylphenol	100	65.2	65	65.8	66	1	10-164/59
88-75-5	2-Nitrophenol	50	46.8	94	47.7	95	2	33-123/49
100-02-7	4-Nitrophenol	50	24.9	50	26.2	52	5	10-84/61
87-86-5	Pentachlorophenol	100	90.4	90	94.5	95	4	10-171/41
108-95-2	Phenol	50	19.9	40	20.8	42	4	10-85/57
58-90-2	2,3,4,6-Tetrachlorophenol	50	45.9	92	47.4	95	3	36-130/44
95-95-4	2,4,5-Trichlorophenol	50	43.9	88	43.3	87	1	38-124/44
88-06-2	2,4,6-Trichlorophenol	50	45.0	90	45.4	91	1	37-122/46
83-32-9	Acenaphthene	50	36.9	74	36.4	73	1	52-115/30
208-96-8	Acenaphthylene	50	40.1	80	39.0	78	3	30-114/31
98-86-2	Acetophenone	50	36.6	73	37.2	74	2	40-115/39
120-12-7	Anthracene	50	42.5	85	44.2	88	4	55-122/29
1912-24-9	Atrazine	50	44.6	89	46.1	92	3	54-140/33
100-52-7	Benzaldehyde	50	28.1	56	27.3	55	3	35-121/35
56-55-3	Benzo(a)anthracene	50	43.5	87	46.0	92	6	55-122/29
50-32-8	Benzo(a)pyrene	50	45.0	90	47.0	94	4	50-123/30
205-99-2	Benzo(b)fluoranthene	50	45.9	92	47.9	96	4	57-124/28
191-24-2	Benzo(g,h,i)perylene	50	46.5	93	47.6	95	2	55-125/30
207-08-9	Benzo(k)fluoranthene	50	43.9	88	46.1	92	5	53-124/28
101-55-3	4-Bromophenyl phenyl ether	50	42.4	85	43.9	88	3	55-124/29
85-68-7	Butyl benzyl phthalate	50	45.9	92	47.8	96	4	54-134/29
92-52-4	1,1'-Biphenyl	50	35.7	71	34.8	70	3	46-115/32
91-58-7	2-Chloronaphthalene	50	41.1	82	39.4	79	4	44-113/32
106-47-8	4-Chloroaniline	50	22.3	45	22.4	45	0	10-100/92
86-74-8	Carbazole	50	43.3	87	45.1	90	4	56-123/29
105-60-2	Caprolactam	50	11.2	22	12.4	25	10	10-85/35
218-01-9	Chrysene	50	41.3	83	43.1	86	4	54-122/29
111-91-1	bis(2-Chloroethoxy)methane	50	39.9	80	38.7	77	3	39-116/36
111-44-4	bis(2-Chloroethyl)ether	50	36.0	72	36.7	73	2	31-118/45

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59717-BS1	F223207.D	1	11/29/24	KLS	11/27/24	OP59717	EF9917
OP59717-BSD	F223208.D	1	11/29/24	KLS	11/27/24	OP59717	EF9917

The QC reported here applies to the following samples: **Method:** SW846 8270E

JE1296-12

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
108-60-1	2,2'-Oxybis(1-chloropropane)	50	34.8	70	34.9	70	0	34-117/43
7005-72-3	4-Chlorophenyl phenyl ether	50	38.9	78	39.0	78	0	53-119/28
121-14-2	2,4-Dinitrotoluene	50	49.6	99	50.1	100	1	58-129/29
606-20-2	2,6-Dinitrotoluene	50	48.4	97	48.7	97	1	56-128/30
91-94-1	3,3'-Dichlorobenzidine	50	30.6	61	34.0	68	11	23-122/44
123-91-1	1,4-Dioxane	50	16.4	33	16.8	34	2	10-88/49
53-70-3	Dibenzo(a,h)anthracene	50	47.3	95	48.8	98	3	55-127/29
132-64-9	Dibenzofuran	50	39.2	78	39.3	79	0	53-116/29
84-74-2	Di-n-butyl phthalate	50	46.5	93	48.7	97	5	57-129/30
117-84-0	Di-n-octyl phthalate	50	45.8	92	47.6	95	4	45-139/28
84-66-2	Diethyl phthalate	50	42.8	86	44.0	88	3	53-123/30
131-11-3	Dimethyl phthalate	50	42.9	86	43.9	88	2	50-122/35
117-81-7	bis(2-Ethylhexyl)phthalate	50	44.3	89	46.4	93	5	49-137/30
206-44-0	Fluoranthene	50	46.7	93	47.9	96	3	58-125/30
86-73-7	Fluorene	50	41.4	83	41.7	83	1	56-119/28
118-74-1	Hexachlorobenzene	50	42.1	84	44.3	89	5	53-125/29
87-68-3	Hexachlorobutadiene	50	24.8	50	25.8	52	4	21-109/47
77-47-4	Hexachlorocyclopentadiene	100	52.6	53	53.1	53	1	10-96/52
67-72-1	Hexachloroethane	50	25.9	52	26.2	52	1	19-105/40
193-39-5	Indeno(1,2,3-cd)pyrene	50	44.3	89	45.4	91	2	50-132/30
78-59-1	Isophorone	50	40.3	81	39.1	78	3	41-117/33
91-57-6	2-Methylnaphthalene	50	33.2	66	33.3	67	0	41-112/35
88-74-4	2-Nitroaniline	50	46.0	92	46.6	93	1	48-128/31
99-09-2	3-Nitroaniline	50	34.5	69	35.3	71	2	30-115/51
100-01-6	4-Nitroaniline	50	41.0	82	42.1	84	3	43-121/34
91-20-3	Naphthalene	50	32.6	65	33.1	66	2	37-112/39
98-95-3	Nitrobenzene	50	38.4	77	38.3	77	0	35-119/39
621-64-7	N-Nitroso-di-n-propylamine	50	37.5	75	37.5	75	0	34-121/36
86-30-6	N-Nitrosodiphenylamine	50	42.9	86	43.6	87	2	52-121/29
85-01-8	Phenanthrene	50	42.1	84	43.4	87	3	56-121/28
129-00-0	Pyrene	50	42.3	85	43.8	88	3	55-125/29
95-94-3	1,2,4,5-Tetrachlorobenzene	50	30.9	62	31.3	63	1	40-110/35

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59717-BS1	F223207.D	1	11/29/24	KLS	11/27/24	OP59717	EF9917
OP59717-BSD	F223208.D	1	11/29/24	KLS	11/27/24	OP59717	EF9917

The QC reported here applies to the following samples: **Method:** SW846 8270E

JE1296-12

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
367-12-4	2-Fluorophenol	47%	49%	10-71%
4165-62-2	Phenol-d5	35%	36%	10-58%
118-79-6	2,4,6-Tribromophenol	98%	100%	22-144%
4165-60-0	Nitrobenzene-d5	83%	83%	28-118%
321-60-8	2-Fluorobiphenyl	85%	81%	34-116%
1718-51-0	Terphenyl-d14	88%	91%	10-127%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59724-MS	P163326.D	1	11/29/24	KLS	11/27/24	OP59724	EP7621
OP59724-MSD	P163327.D	1	11/29/24	KLS	11/27/24	OP59724	EP7621
JE1296-2	P163310.D	1	11/29/24	KLS	11/27/24	OP59724	EP7621

The QC reported here applies to the following samples: **Method:** SW846 8270E

JE1296-2, JE1296-4, JE1296-6, JE1296-8, JE1296-10, JE1296-14, JE1296-16, JE1296-20, JE1296-24, JE1296-26, JE1296-28, JE1296-30, JE1296-32, JE1296-34, JE1296-36, JE1296-38

CAS No.	Compound	JE1296-2 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
56-55-3	Benzo(a)anthracene	ND		1710	1070	63	1740	1260	72	16	10-163/88
50-32-8	Benzo(a)pyrene	ND		1710	1160	68	1740	1370	79	17	10-163/89

CAS No.	Surrogate Recoveries	MS	MSD	JE1296-2	Limits
4165-60-0	Nitrobenzene-d5	55%	66%	54%	10-109%
321-60-8	2-Fluorobiphenyl	60%	66%	54%	11-109%
1718-51-0	Terphenyl-d14	69%	78%	68%	10-120%

* = Outside of Control Limits.

Instrument Performance Check (DFTPP)

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EF9895-DFTPP
Lab File ID: F222664.D
Instrument ID: GCMSF
Injection Date: 10/29/24
Injection Time: 10:13

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	23575	40.1		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	24117	41.0		Pass
70	Less than 2.0% of mass 69	153	0.26	(0.63) [a]	Pass
127	40.0 - 60.0% of mass 198	27738	47.2		Pass
197	Less than 1.0% of mass 198	192	0.33		Pass
198	Base peak, 100% relative abundance	58781	100.0		Pass
199	5.0 - 9.0% of mass 198	4014	6.83		Pass
275	10.0 - 30.0% of mass 198	13632	23.2		Pass
365	1.0 - 100.0% of mass 198	1422	2.42		Pass
441	Present, but less than mass 443	5233	8.90	(76.5) [b]	Pass
442	40.0 - 100.0% of mass 198	35538	60.5		Pass
443	17.0 - 23.0% of mass 442	6839	11.6	(19.2) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EF9895-IC9895	F222673.D	10/29/24	13:30	03:17	Initial cal 1
EF9895-IC9895	F222674.D	10/29/24	13:52	03:39	Initial cal 2
EF9895-IC9895	F222675.D	10/29/24	14:15	04:02	Initial cal 5
EF9895-IC9895	F222676.D	10/29/24	14:38	04:25	Initial cal 10
EF9895-IC9895	F222677.D	10/29/24	15:01	04:48	Initial cal 25
EF9895-ICC9895	F222678.D	10/29/24	15:23	05:10	Initial cal 50
EF9895-IC9895	F222679.D	10/29/24	15:46	05:33	Initial cal 80
EF9895-IC9895	F222680.D	10/29/24	16:09	05:56	Initial cal 100
EF9895-IC9895	F222681.D	10/29/24	16:31	06:18	Initial cal 1
EF9895-IC9895	F222682.D	10/29/24	16:54	06:41	Initial cal 2
EF9895-IC9895	F222683.D	10/29/24	17:17	07:04	Initial cal 5
EF9895-IC9895	F222684.D	10/29/24	17:39	07:26	Initial cal 10
EF9895-IC9895	F222685.D	10/29/24	18:02	07:49	Initial cal 25
EF9895-IC9895	F222686.D	10/29/24	18:25	08:12	Initial cal 50
EF9895-IC9895	F222687.D	10/29/24	18:47	08:34	Initial cal 80
EF9895-IC9895	F222688.D	10/29/24	19:10	08:57	Initial cal 100
EF9895-ICV9895	F222689.D	10/29/24	19:33	09:20	Initial cal verification 50
EF9895-ICV9895	F222690.D	10/29/24	19:55	09:42	Initial cal verification 50
EF9895-ICV9895	F222691.D	10/29/24	20:18	10:05	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	EF9895-DFTPP	**Injection Date:**	10/29/24
Lab File ID:	F222664.D	**Injection Time:**	10:13
Instrument ID:	GCMSF		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EF9895-ICV9895	F222692.D	10/29/24	20:41	10:28	Initial cal verification 50
EF9895-ICV9895	F222695.D	10/29/24	21:49	11:36	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EF9899-DFTPP
Lab File ID: F222732A.D
Instrument ID: GCMSF
Injection Date: 11/07/24
Injection Time: 08:48

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	19558	36.6		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	19448	36.4		Pass
70	Less than 2.0% of mass 69	83	0.16	(0.43) [a]	Pass
127	40.0 - 60.0% of mass 198	23578	44.2		Pass
197	Less than 1.0% of mass 198	195	0.37		Pass
198	Base peak, 100% relative abundance	53402	100.0		Pass
199	5.0 - 9.0% of mass 198	3465	6.49		Pass
275	10.0 - 30.0% of mass 198	13109	24.5		Pass
365	1.0 - 100.0% of mass 198	1301	2.44		Pass
441	Present, but less than mass 443	4675	8.75	(73.2) [b]	Pass
442	40.0 - 100.0% of mass 198	31362	58.7		Pass
443	17.0 - 23.0% of mass 442	6386	12.0	(20.4) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EF9899-IC9899	F222733.D	11/07/24	09:00	00:12	Initial cal 1
EF9899-IC9899	F222734.D	11/07/24	09:23	00:35	Initial cal 2
EF9899-IC9899	F222735.D	11/07/24	09:46	00:58	Initial cal 5
EF9899-IC9899	F222736.D	11/07/24	10:10	01:22	Initial cal 10
EF9899-IC9899	F222737.D	11/07/24	10:33	01:45	Initial cal 25
EF9899-ICC9899	F222739.D	11/07/24	10:56	02:08	Initial cal 50
EF9899-IC9899	F222738.D	11/07/24	11:20	02:32	Initial cal 80
EF9899-IC9899	F222740.D	11/07/24	11:43	02:55	Initial cal 100
EF9899-ICV9899	F222741.D	11/07/24	12:06	03:18	Initial cal verification 50
EF9899-ICV9899	F222742.D	11/07/24	12:30	03:42	Initial cal verification 50
EF9899-ICV9899	F222743.D	11/07/24	12:53	04:05	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EF9917-DFTPP
Lab File ID: F223201.D
Instrument ID: GCMSF
Injection Date: 11/29/24
Injection Time: 11:47

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	19850	33.1		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	20410	34.0		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	26640	44.4		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	59987	100.0		Pass
199	5.0 - 9.0% of mass 198	4010	6.68		Pass
275	10.0 - 30.0% of mass 198	15696	26.2		Pass
365	1.0 - 100.0% of mass 198	1683	2.81		Pass
441	Present, but less than mass 443	6093	10.2	(74.1) [b]	Pass
442	40.0 - 100.0% of mass 198	39858	66.4		Pass
443	17.0 - 23.0% of mass 442	8222	13.7	(20.6) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EF9917-CC9899	F223202.D	11/29/24	11:59	00:12	Continuing cal 50
EF9917-CC9895	F223203.D	11/29/24	12:22	00:35	Continuing cal 50
OP59772-MB1	F223205.D	11/29/24	13:10	01:23	Method Blank
OP59717B-MB1	F223206.D	11/29/24	13:33	01:46	Method Blank
OP59717-MB1	F223206.D	11/29/24	13:33	01:46	Method Blank
OP59717B-BS1	F223207.D	11/29/24	13:55	02:08	Blank Spike
OP59717-BS1	F223207.D	11/29/24	13:55	02:08	Blank Spike
OP59717B-BSD	F223208.D	11/29/24	14:18	02:31	Blank Spike Duplicate
OP59717-BSD	F223208.D	11/29/24	14:18	02:31	Blank Spike Duplicate
OP59772-BS1	F223209.D	11/29/24	14:41	02:54	Blank Spike
OP59772-BSD	F223210.D	11/29/24	15:03	03:16	Blank Spike Duplicate
JE1296-12	F223211.D	11/29/24	15:26	03:39	FB-1
ZZZZZZ	F223213.D	11/29/24	16:11	04:24	(unrelated sample)
ZZZZZZ	F223214.D	11/29/24	16:34	04:47	(unrelated sample)
ZZZZZZ	F223215.D	11/29/24	16:57	05:10	(unrelated sample)
ZZZZZZ	F223216.D	11/29/24	17:19	05:32	(unrelated sample)
ZZZZZZ	F223217.D	11/29/24	17:42	05:55	(unrelated sample)
ZZZZZZ	F223218.D	11/29/24	18:05	06:18	(unrelated sample)
ZZZZZZ	F223219.D	11/29/24	18:28	06:41	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	EF9917-DFTPP	**Injection Date:**	11/29/24
Lab File ID:	F223201.D	**Injection Time:**	11:47
Instrument ID:	GCMSF		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	F223220.D	11/29/24	18:50	07:03	(unrelated sample)
ZZZZZZ	F223221.D	11/29/24	19:13	07:26	(unrelated sample)
ZZZZZZ	F223222.D	11/29/24	19:36	07:49	(unrelated sample)
ZZZZZZ	F223223.D	11/29/24	19:59	08:12	(unrelated sample)
ZZZZZZ	F223224.D	11/29/24	20:22	08:35	(unrelated sample)
ZZZZZZ	F223225.D	11/29/24	20:44	08:57	(unrelated sample)
ZZZZZZ	F223226.D	11/29/24	21:07	09:20	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	EP7559-DFTPP	**Injection Date:**	09/16/24
Lab File ID:	P161761.D	**Injection Time:**	11:29
Instrument ID:	GCMSP		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	33096	37.0		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	31922	35.7		Pass
70	Less than 2.0% of mass 69	277	0.31	(0.87) [a]	Pass
127	40.0 - 60.0% of mass 198	41507	46.4		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	89539	100.0		Pass
199	5.0 - 9.0% of mass 198	6016	6.72		Pass
275	10.0 - 30.0% of mass 198	22798	25.5		Pass
365	1.0 - 100.0% of mass 198	2894	3.23		Pass
441	Present, but less than mass 443	11272	12.6	(87.7) [b]	Pass
442	40.0 - 100.0% of mass 198	69453	77.6		Pass
443	17.0 - 23.0% of mass 442	12857	14.4	(18.5) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EP7559-ICC7559	P161762.D	09/16/24	11:39	00:10	Initial cal 50
EP7559-IC7559	P161763.D	09/16/24	12:05	00:36	Initial cal 1
EP7559-IC7559	P161764.D	09/16/24	12:29	01:00	Initial cal 2
EP7559-IC7559	P161765.D	09/16/24	12:54	01:25	Initial cal 5
EP7559-IC7559	P161766.D	09/16/24	13:18	01:49	Initial cal 10
EP7559-IC7559	P161767.D	09/16/24	13:43	02:14	Initial cal 25
EP7559-IC7559	P161768.D	09/16/24	14:08	02:39	Initial cal 80
EP7559-IC7559	P161769.D	09/16/24	14:33	03:04	Initial cal 100
EP7559-ICV7559	P161770.D	09/16/24	14:58	03:29	Initial cal verification 50
EP7559-ICV7559	P161771.D	09/16/24	15:23	03:54	Initial cal verification 50
EP7559-ICV7559	P161772.D	09/16/24	15:47	04:18	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	EP7561-DFTPP	**Injection Date:**	09/18/24
Lab File ID:	P161777.D	**Injection Time:**	14:23
Instrument ID:	GCMSP		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	37455	37.9		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	35204	35.6		Pass
70	Less than 2.0% of mass 69	302	0.31	(0.86) [a]	Pass
127	40.0 - 60.0% of mass 198	45200	45.7		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	98907	100.0		Pass
199	5.0 - 9.0% of mass 198	6761	6.84		Pass
275	10.0 - 30.0% of mass 198	24361	24.6		Pass
365	1.0 - 100.0% of mass 198	2896	2.93		Pass
441	Present, but less than mass 443	11525	11.7	(86.0) [b]	Pass
442	40.0 - 100.0% of mass 198	72525	73.3		Pass
443	17.0 - 23.0% of mass 442	13398	13.5	(18.5) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EP7561-ICV7559	P161778.D	09/18/24	16:42	02:19	Initial cal verification 50

Internal Standard Area Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	EF9917-CC9899	**Injection Date:**	11/29/24
Lab File ID:	F223202.D	**Injection Time:**	11:59
Instrument ID:	GCMSF	**Method:**	SW846 8270E

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Initial Cal [a]	51226	4.76	196878	5.66	106090	7.04	207792	8.67	202954	12.51	214191	14.60
Check Std [b]	46862	4.69	174690	5.60	93490	6.96	182368	8.57	179923	12.39	195992	14.49
Upper Limit [c]	93724	4.86	349380	5.77	186980	7.13	364736	8.74	359846	12.56	391984	14.66
Lower Limit [d]	23431	4.52	87345	5.43	46745	6.79	91184	8.40	89962	12.22	97996	14.32

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP59772-MB1	45653	4.69	173340	5.59	95403	6.96	183610	8.56	175897	12.39	194946	14.48
OP59717B-MB1	45340	4.69	168262	5.59	94234	6.96	179672	8.56	170466	12.39	192516	14.47
OP59717-MB1	45340	4.69	168262	5.59	94234	6.96	179672	8.56	170466	12.39	192516	14.47
OP59717B-BS1	48144	4.69	180717	5.59	96962	6.96	188393	8.57	188902	12.39	203426	14.48
OP59717-BS1	48144	4.69	180717	5.59	96962	6.96	188393	8.57	188902	12.39	203426	14.48
OP59717B-BSD	45941	4.69	174779	5.59	94918	6.96	182316	8.57	183389	12.39	197398	14.48
OP59717-BSD	45941	4.69	174779	5.59	94918	6.96	182316	8.57	183389	12.39	197398	14.48
OP59772-BS1	46547	4.69	173586	5.59	93634	6.96	181855	8.57	181055	12.39	195602	14.48
OP59772-BSD	43866	4.69	165929	5.59	88748	6.96	172741	8.57	170152	12.39	183526	14.48
JE1296-12	45335	4.69	168671	5.59	92109	6.96	178401	8.56	171260	12.39	190941	14.47
ZZZZZZ	52070	4.69	196339	5.59	108059	6.96	208865	8.56	200657	12.39	221035	14.47
ZZZZZZ	42081	4.69	159175	5.59	86326	6.96	168528	8.56	160746	12.38	178076	14.47
ZZZZZZ	47008	4.69	178850	5.59	98512	6.96	190138	8.56	183508	12.39	201175	14.48
ZZZZZZ	54767	4.69	203108	5.59	115007	6.96	222439	8.56	213901	12.39	239649	14.48
ZZZZZZ	45670	4.69	172220	5.59	96255	6.96	190951	8.56	179056	12.38	197328	14.47
ZZZZZZ	47001	4.69	176713	5.59	96179	6.96	186654	8.56	176983	12.38	197476	14.47
ZZZZZZ	44059	4.69	164587	5.59	90811	6.96	174141	8.56	164166	12.38	184948	14.47
ZZZZZZ	44009	4.69	163994	5.59	91235	6.96	179453	8.56	170133	12.38	184998	14.48
ZZZZZZ	46268	4.69	173283	5.59	94126	6.96	182212	8.56	176916	12.38	195535	14.48
ZZZZZZ	45660	4.69	178106	5.59	97324	6.96	184889	8.56	176602	12.38	196239	14.48
ZZZZZZ	43029	4.69	166562	5.59	92863	6.96	170584	8.57	175489	12.39	193993	14.48
ZZZZZZ	44424	4.69	167297	5.59	90376	6.96	175117	8.56	172109	12.38	190428	14.47
ZZZZZZ	61132	4.69	223287	5.59	122573	6.96	237904	8.56	230633	12.39	256643	14.48
ZZZZZZ	63612	4.69	239002	5.59	130492	6.96	252837	8.56	237985	12.39	253417	14.48

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Initial Cal is: EF9899-ICC9899 F222739.D 11/07/24 10:56

Internal Standard Area Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	EF9917-CC9899	**Injection Date:**	11/29/24
Lab File ID:	F223202.D	**Injection Time:**	11:59
Instrument ID:	GCMSF	**Method:**	SW846 8270E

Lab Sample ID	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT	IS 3 AREA	IS 3 RT	IS 4 AREA	IS 4 RT	IS 5 AREA	IS 5 RT	IS 6 AREA	IS 6 RT

(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

Internal Standard Area Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	EP7621-CC7559	**Injection Date:**	11/29/24
Lab File ID:	P163306.D	**Injection Time:**	10:22
Instrument ID:	GCMSP	**Method:**	SW846 8270E

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Initial Cal [a]	113986	4.68	450978	5.58	252438	7.01	515115	8.91	496318	14.19	556571	17.23
Check Std [b]	154480	4.54	507467	5.47	298655	6.86	580286	8.71	615444	14.00	625928	17.08
Upper Limit [c]	308960	4.71	1014934	5.64	597310	7.03	1160572	8.88	1230888	14.17	1251856	17.25
Lower Limit [d]	77240	4.37	253734	5.30	149328	6.69	290143	8.54	307722	13.83	312964	16.91

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP59724-MB1	120383	4.54	425713	5.46	254514	6.85	490094	8.70	521425	13.98	519394	17.06
OP59724-BS1	147038	4.54	503919	5.46	289511	6.85	541815	8.70	544332	13.98	530507	17.06
JE1296-2	122118	4.54	434764	5.46	245593	6.85	453590	8.70	443778	13.98	426303	17.06
JE1296-4	130577	4.54	456645	5.46	264664	6.85	483017	8.70	490448	13.97	481852	17.06
JE1296-6	131065	4.54	451609	5.46	255188	6.85	458375	8.70	436598	13.97	403654	17.06
JE1296-8	139016	4.54	479080	5.46	274691	6.85	512255	8.70	497951	13.97	457386	17.06
JE1296-10	115341	4.54	401391	5.46	223947	6.85	414330	8.70	404400	13.97	403485	17.06
JE1296-16	142206	4.54	487750	5.46	278937	6.85	502039	8.70	487062	13.97	460530	17.06
JE1296-20	129477	4.54	450093	5.46	258448	6.85	478731	8.70	483739	13.97	470103	17.06
JE1296-24	137947	4.54	478281	5.46	270942	6.85	497130	8.70	479112	13.97	448622	17.06
JE1296-26	125191	4.53	443644	5.46	264750	6.85	503284	8.70	538791	13.97	532038	17.06
JE1296-28	115311	4.53	405445	5.46	232255	6.85	441155	8.70	462481	13.97	455032	17.06
JE1296-30	142519	4.54	486634	5.46	277787	6.85	510388	8.70	509416	13.97	492004	17.05
JE1296-32	115454	4.53	407547	5.46	235311	6.85	454467	8.70	488206	13.97	501051	17.05
JE1296-34	117143	4.53	415894	5.46	248624	6.85	478743	8.70	510011	13.97	505432	17.05
JE1296-36	142416	4.54	493365	5.46	281452	6.85	523048	8.70	508230	13.97	477216	17.05
JE1296-38	134969	4.54	463595	5.46	256503	6.85	481135	8.70	461039	13.96	444900	17.05
JE1296-14	121962	4.54	430479	5.46	243058	6.85	437612	8.70	420962	13.97	484130	17.06
OP59724-MS	122833	4.54	413212	5.46	241905	6.85	456855	8.70	452816	13.98	496318	17.06
OP59724-MSD	107555	4.54	348853	5.46	200462	6.85	365982	8.70	362626	13.98	397317	17.06

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Initial Cal is: EP7559-ICC7559 P161762.D 09/16/24 11:39
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

Surrogate Recovery Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Method: SW846 8270E **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
JE1296-12	F223211.D	38	26	82	72	69	79
OP59717-BS1	F223207.D	47	35	98	83	85	88
OP59717-BSD	F223208.D	49	36	100	83	81	91
OP59717-MB1	F223206.D	42	28	83	73	71	88

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	10-71%
S2 = Phenol-d5	10-58%
S3 = 2,4,6-Tribromophenol	22-144%
S4 = Nitrobenzene-d5	28-118%
S5 = 2-Fluorobiphenyl	34-116%
S6 = Terphenyl-d14	10-127%

Surrogate Recovery Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Method: SW846 8270E **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
JE1296-2	P163310.D	54	54	68
JE1296-4	P163311.D	34	36	43
JE1296-6	P163312.D	60	56	63
JE1296-8	P163313.D	48	45	48
JE1296-10	P163314.D	35	44	60
JE1296-14	P163325.D	60	60	61
JE1296-16	P163315.D	57	58	66
JE1296-20	P163316.D	101	118* [a]	150* [a]
JE1296-24	P163317.D	49	49	55
JE1296-26	P163318.D	34	41	59
JE1296-28	P163319.D	9* [b]	21	38
JE1296-30	P163320.D	48	48	55
JE1296-32	P163321.D	40	51	67
JE1296-34	P163322.D	5* [c]	18	32
JE1296-36	P163323.D	47	47	50
JE1296-38	P163324.D	37	36	39
OP59724-BS1	P163309.D	59	59	67
OP59724-MB1	P163308.D	0* [c]	19	80
OP59724-MS	P163326.D	55	60	69
OP59724-MSD	P163327.D	66	66	78

Surrogate Compounds	Recovery Limits
S1 = Nitrobenzene-d5	10-109%
S2 = 2-Fluorobiphenyl	11-109%
S3 = Terphenyl-d14	10-120%

(a) Outside of control limits, but within reasonable method recovery limits.
(b) Surrogate recovery marginally exceeded the lower statistical limit.
(c) Outside control limits. Associated analytes not needed in the client sample.

Initial Calibration Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EF9895-ICC9895
Lab FileID: F222678.D

Response Factor Report GCMSF

Method : C:\MSDCHEM\1\METHODS\MF9895.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Oct 30 14:42:20 2024
Response via : Initial Calibration

Calibration Files
2 =F222674.D 5 =F222675.D 25 =F222677.D 80 =F222679.D
100 =F222680.D 50 =F222678.D 10 =F222676.D 1 =F222673.D

Compound	2	5	25	80	100	50	10	1	Avg	%RSD
102) I 1,4-Dichlorobenzene-d	ISTD									
103) 2-Picoline	1.267	1.295	1.370	1.305	1.303	1.300	1.276	1.102	1.277	6.04
104) Pentachloroe	0.574	0.519	0.579	0.547	0.546	0.538	0.528	0.533	0.545	3.88
105) Methyl metha	0.621	0.678	0.654	0.612	0.615	0.614	0.631	0.556	0.623	5.72
106) N-Nitrosodie	0.529	0.528	0.534	0.515	0.518	0.507	0.483	0.482	0.512	3.96
107) N-Nitrosomet	0.775	0.833	0.684	0.604	0.589	0.587	0.689		0.680	14.10
108) Ethyl methan	0.858	0.858	0.869	0.818	0.831	0.828	0.799	0.725	0.823	5.61
109) N-Nitrosopyr	0.550	0.621	0.601	0.592	0.582	0.575	0.560	0.468	0.569	8.17
110) N-Nitrosomor	0.844	0.808	0.728	0.653	0.637	0.658	0.706	0.657	0.711	10.88
111) o-Toluidine	1.660	1.986	1.746	1.580	1.540	1.594	1.785	1.665	1.695	8.50
112) I Naphthalene-d8A	ISTD									
113) O,O,O-Trieth	0.161	0.168	0.173	0.170	0.170	0.168	0.156	0.169	0.167	3.33
114) N-Nitrosopip	0.242	0.236	0.222	0.198	0.196	0.206	0.218	0.210	0.216	7.81
115) A,A-Dimethyl		0.538	0.689	0.645	0.651	0.641	0.587		0.625	8.61
116) Hexachloropr	0.202	0.197	0.215	0.228	0.232	0.218	0.205	0.165	0.208	10.17
117) N-Nitrosodi-	0.249	0.204	0.207	0.193	0.196	0.192	0.186	0.233	0.208	10.77
118) p-Phenylened		0.140	0.107	0.099	0.105	0.084	0.121		0.109	17.77
119) Safrole	0.230	0.228	0.256	0.238	0.247	0.237	0.225	0.243	0.238	4.34
120) Isosafrole	0.177	0.175	0.174	0.167	0.170	0.165	0.153	0.147	0.166	6.54
121) Acenaphthene-d10A	ISTD									
122) Thionazin	0.163	0.167	0.173	0.165	0.165	0.163	0.157	0.143	0.162	5.45
123) Tetraethyl d	0.149	0.164	0.165	0.168	0.168	0.164	0.153	0.130	0.158	8.16
124) Phorate		0.115	0.146	0.193	0.196	0.167	0.113		0.155	23.75
----- Quadratic regression ----- Coefficient = 0.9989										
Response Ratio = -0.00526 + 0.14102 *A + 0.02434 *A^2										
125) Phenacetin	0.573	0.570	0.620	0.596	0.586	0.594	0.572	0.473	0.573	7.64
126) 1,4-Naphthoq	0.359	0.375	0.389	0.348	0.332	0.355	0.351	0.402	0.364	6.34
127) m-Dinitroben		0.092	0.128	0.156	0.165	0.143	0.097		0.130	23.23
----- Quadratic regression ----- Coefficient = 0.9996										
Response Ratio = -0.00543 + 0.12504 *A + 0.01680 *A^2										
128) Pentachlorob	0.536	0.566	0.550	0.551	0.543	0.536	0.518	0.511	0.539	3.33
129) 2-Naphthylam	1.067	1.064	1.108	1.020	0.975	1.024	1.056	1.021	1.042	3.87
130) 1-Naphthylam	0.945	1.014	1.079	1.007	0.985	0.991	1.011	0.921	0.994	4.79
131) 5-Nitro-o-to		0.234	0.314	0.341	0.340	0.329	0.255		0.302	15.24
132) I Phenanthrene-d10A	ISTD									
133) Disulfoton	0.304	0.376	0.314	0.284	0.281	0.284	0.317	0.285	0.306	10.40
134) Dinoseb		0.070	0.097	0.130	0.137	0.113	0.070		0.103	28.14
----- Quadratic regression ----- Coefficient = 0.9994										
Response Ratio = -0.00414 + 0.09192 *A + 0.01913 *A^2										

Initial Calibration Summary

Job Number: JE1296 **Sample:** EF9895-ICC9895
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** F222678.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

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135) Dimethoate   0.190 0.202 0.223 0.202 0.194 0.210 0.202 0.188 0.201   5.64
136) 4-Aminobiphe 0.611 0.689 0.772 0.764 0.760 0.753 0.671 0.651 0.709   8.67
137) Methyl parat       0.095 0.135 0.146 0.141 0.140 0.105       0.127  16.81
138) Parathion          0.077 0.102 0.110 0.112 0.109 0.081       0.099  15.73
139) Diphenylamin 0.537 0.543 0.570 0.554 0.548 0.542 0.517 0.523 0.542   3.12
140) Isodrin      0.109 0.111 0.117 0.114 0.111 0.112 0.107 0.103 0.111   3.92
141) Diallate     0.175 0.188 0.186 0.174 0.167 0.169 0.180 0.204 0.180   6.75
142) Pentachloron 0.027 0.026 0.034 0.036 0.036 0.034 0.030 0.027 0.031# 13.10
143) Pronamide    0.307 0.298 0.325 0.314 0.315 0.308 0.304 0.279 0.306   4.49
144) 4-Nitroquino       0.036 0.068 0.084 0.087 0.077 0.042       0.066  33.35
          ----- Quadratic regression -----                Coefficient =  0.9991
               Response Ratio = -0.02164 + 0.07075 *A + 0.00193 *A^2

145) Methapyrilin       0.394 0.249 0.200 0.169 0.239 0.352       0.267  32.93
          ----- Quadratic regression -----                Coefficient =  0.9958
               Response Ratio = 0.01723 + 0.27033 *A + -0.04199 *A^2

146) sym-Trinitro       0.021 0.029 0.040 0.043 0.035 0.020       0.032# 30.73
          ----- Quadratic regression -----                Coefficient =  0.9994
               Response Ratio = -0.00122 + 0.02695 *A + 0.00685 *A^2


147) I   Chrysene-d12A         ----------------ISTD---------------------
148) Aramite      0.087 0.085 0.109 0.114 0.113 0.109 0.093 0.074 0.098  15.70
149) p-(Dimethyla 0.251 0.274 0.293 0.285 0.283 0.284 0.268 0.246 0.273   6.20
150) Kepone       0.082 0.097 0.093 0.076 0.071 0.079 0.094 0.070 0.083  13.02
151) Famphur      0.471 0.470 0.434 0.288 0.255 0.336 0.444       0.385  23.49
          ----- Quadratic regression -----                Coefficient =  0.9980
               Response Ratio = 0.01140 + 0.45634 *A + -0.01382 *A^2

152) 2-Acetylamin 0.388 0.424 0.480 0.493 0.496 0.479 0.428       0.455   9.19
153) Chlorobenzil 0.255 0.277 0.318 0.323 0.323 0.313 0.277 0.254 0.292  10.28

154) I   Perylene-d12A         ----------------ISTD---------------------
155) Hexachloroph       0.023 0.055 0.073 0.076 0.066 0.034       0.054  39.74
          ----- Quadratic regression -----                Coefficient =  0.9992
               Response Ratio = -0.02663 + 0.05920 *A + 0.00157 *A^2

156) 3-Methylchol 0.202 0.213 0.239 0.239 0.240 0.232 0.220 0.177 0.220  10.19

157) I   1,4-Dichlorobenzene-d ----------------ISTD---------------------
158) Benzaldehyde 1.183 1.099 1.016 1.109 1.258 1.051 1.143 1.302 1.145   8.59

159) I   Phenanthrene-d10b     ----------------ISTD---------------------
160) Atrazine     0.161 0.177 0.193 0.188 0.197 0.210 0.191 0.201 0.190   7.92

161) I   Naphthalene-d8b       ----------------ISTD---------------------
162) Caprolactam  0.100 0.146 0.134 0.138 0.156 0.139 0.146 0.145 0.138  12.11


180) Catechol                                                  0.000# -1.00
 ------------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          MF9895.M          Thu Oct 31 08:46:47 2024   RT1
```

8.8.1

8

Initial Calibration Verification

Job Number: JE1296 **Sample:** EF9895-ICV9895
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** F222689.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF9895\f222689.D Vial: 26
Acq On : 29 Oct 2024 7:33 pm Operator: jackleey
Sample : icv9895-50 Inst : GCMSF
Misc : op58797b,ef9895,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9895.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Oct 30 14:42:20 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102	I	1,4-Dichlorobenzene-d4A	1.000	1.000	0.0	111	0.00	4.79
103	M	2-Picoline	1.277	1.446	-13.2	123	0.02	3.51
104		Pentachloroethane	0.545	0.500	8.3	103	0.00	4.60
105	M	Methyl methanesulfonate	0.623	0.461	26.0	83	0.00	3.79
106	M	N-Nitrosodiethylamine	0.512	0.585	-14.3	128	0.01	4.06
107	M	N-Nitrosomethylethylamine	0.680	0.691	-1.6	130	0.01	3.58
108	M	Ethyl methanesulfonate	0.823	0.953	-15.8	127	0.00	4.26
109	M	N-Nitrosopyrrolidine	0.569	0.645	-13.4	124	0.00	5.05
110	M	N-Nitrosomorpholine	0.711	0.699	1.7	118	0.00	5.08
112	I	Naphthalene-d8A	1.000	1.000	0.0	110	0.00	5.68
113	M	O,O,O-Triethyl phosphorot	0.167	0.203	-21.6	132	0.00	5.48
114	M	N-Nitrosopiperidine	0.216	0.236	-9.3	125	0.00	5.29
115	M	A,A-Dimethylphenethylamin	0.625	0.691	-10.6	118	0.00	5.56
116	M	Hexachloropropene	0.208	0.248	-19.2	125	0.00	5.75
117	M	N-Nitrosodi-n-butylamine	0.208	0.249	-19.7	142	0.00	5.96
118		p-Phenylenediamine	0.109	0.177	-62.4#	232#	0.00	5.99
119	M	Safrole	0.238	0.280	-17.6	130	0.00	6.12
120		Isosafrole	0.166	0.282	-69.9#	187	0.00	6.53
121		Acenaphthene-d10A	1.000	1.000	0.0	111	0.00	7.07
122	M	Thionazin	0.162	0.185	-14.2	126	0.00	7.59
123	M	Tetraethyl dithiopyrophos	0.158	0.197	-24.7	134	0.00	7.93
		----------	True	Calc.	% Drift	----------		
124	M	Phorate	50.000	53.672	-7.3	122	0.00	8.03
		----------	AvgRF	CCRF	% Dev	----------		
125	M	Phenacetin	0.573	0.616	-7.5	116	0.00	8.11
126	M	1,4-Naphthoquinone	0.364	0.309	15.1	97	0.00	6.74
		----------	True	Calc.	% Drift	----------		
127	M	m-Dinitrobenzene	50.000	63.044	-26.1	145	0.00	6.85
		----------	AvgRF	CCRF	% Dev	----------		
128	M	Pentachlorobenzene	0.539	0.594	-10.2	124	0.00	7.23
131	M	5-Nitro-o-toluidine	0.302	0.359	-18.9	122	0.00	7.64
132	I	Phenanthrene-d10A	1.000	1.000	0.0	107	0.00	8.71

8.8.2

8

Initial Calibration Verification

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EF9895-ICV9895
Lab FileID: F222689.D

133	M	Disulfoton	0.306	0.355	-16.0	134	0.00	8.73
		----------	AvgRF	CCRF	% Dev	----------		
135	M	Dimethoate	0.201	0.206	-2.5	105	0.00	8.29
136	M	4-Aminobiphenyl	0.709	0.510	28.1	73	0.00	8.48
137	M	Methyl parathion	0.127	0.113	11.0	86	0.00	9.22
138	M	Parathion	0.099	0.128	-29.3	125	0.00	9.77
139	M	Diphenylamine	0.542	0.728	-43.3#	144	0.00	7.75
140	M	Isodrin	0.111	0.135	-21.6	129	0.00	10.15
141	M	Diallate	0.180	0.186	-3.3	118	0.00	8.07
142	M	Pentachloronitrobenzene	0.031	0.040	-29.0	126	0.00	8.48
143	M	Pronamide	0.306	0.365	-19.3	127	0.00	8.56
		----------	True	Calc.	% Drift	----------		
144	M	4-Nitroquinoline 1-oxide	200.000	258.496	-29.2	108	-0.01	9.78
145	M	Methapyriline	50.000	22.020	56.0#	55	0.00	9.93
146	M	sym-Trinitrobenzene	50.000	55.191	-10.4	121	0.00	8.03
		----------	AvgRF	CCRF	% Dev	----------		
147	I	Chrysene-d12A	1.000	1.000	0.0	94	0.00	12.55
148		Aramite	0.098	0.120	-22.4	103	0.00	11.12
149	M	p-(Dimethylamine)azobenze	0.273	0.344	-26.0	113	0.00	11.20
		----------	True	Calc.	% Drift	----------		
151	M	Famphur		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
152	M	2-Acetylaminofluorene	0.455	0.571	-25.5	111	0.00	12.10
154	I	Perylene-d12A	1.000	1.000	0.0	85	0.00	14.64
		----------	AvgRF	CCRF	% Dev	----------		
156		3-Methylcholanthrene	0.220	0.282	-28.2	103	0.00	15.04

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F222686A.D MF9895.M Wed Oct 30 15:29:15 2024 RT1

Initial Calibration Verification

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EF9895-ICV9895
Lab FileID: F222690.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF9895\f222690.D Vial: 27
Acq On : 29 Oct 2024 7:55 pm Operator: jackleey
Sample : icv9895-50 Inst : GCMSF
Misc : op58797b,ef9895,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9895.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Oct 30 14:42:20 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
		AvgRF	CCRF	% Dev			
147 I	Chrysene-d12A	1.000	1.000	0.0	98	0.00	12.55
150	Kepone	0.083	0.096	-15.6	114	0.00	11.73
153 M	Chlorobenzilate	0.292	0.343	-17.5	107	0.00	11.29

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F222686A.D MF9895.M Wed Oct 30 15:29:17 2024 RT1

Initial Calibration Verification

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EF9895-ICV9895
Lab FileID: F222691.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF9895\f222691.D Vial: 28
Acq On : 29 Oct 2024 8:18 pm Operator: jackleey
Sample : icv9895-50 Inst : GCMSF
Misc : op58797b,ef9895,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9895.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Oct 30 14:42:20 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
	AvgRF CCRF % Dev						
147 I	Chrysene-d12A	1.000	1.000	0.0	88	0.00	12.55
	True Calc. % Drift						
151 M	Famphur	300.000	359.334	-19.7	138	-0.02	11.67

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F222686A.D MF9895.M Wed Oct 30 15:29:19 2024 RT1

8.8.4

8

Initial Calibration Verification

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EF9895-ICV9895
Lab FileID: F222692.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF9895\f222692.D Vial: 29
Acq On : 29 Oct 2024 8:41 pm Operator: jackleey
Sample : icv9895-50 Inst : GCMSF
Misc : op58797b,ef9895,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9895.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Oct 30 14:42:20 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102 I	1,4-Dichlorobenzene-d4A	1.000	1.000	0.0	95	0.00	4.79
111 M	o-Toluidine	1.695	1.889	-11.4	113	0.00	5.09
121	Acenaphthene-d10A	1.000	1.000	0.0	103	0.00	7.07
129 M	2-Naphthylamine	1.042	1.270	-21.9	127	0.00	7.43
130 M	1-Naphthylamine	0.994	1.172	-17.9	121	0.00	7.35

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F222686A.D MF9895.M Wed Oct 30 15:29:21 2024 RT1

8.8.5

8

Initial Calibration Verification

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EF9895-ICV9895
Lab FileID: F222695.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF9895\f222695.D Vial: 32
Acq On : 29 Oct 2024 9:49 pm Operator: jackleey
Sample : icv9895-50 Inst : GCMSF
Misc : op58797b,ef9895,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9895.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Oct 30 12:14:01 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
157	I	1,4-Dichlorobenzene-d4b	1.000	1.000	0.0	101	0.00	4.79
158		Benzaldehyde	1.145	0.972	15.1	93	0.00	4.49
159	I	Phenanthrene-d10b	1.000	1.000	0.0	104	0.00	8.70
160		Atrazine	0.190	0.190	0.0	94	0.00	8.37
161	I	Naphthalene-d8b	1.000	1.000	0.0	101	0.00	5.68
162		Caprolactam	0.138	0.132	4.3	96	0.00	5.97

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F222678A.D MF9895.M Wed Oct 30 12:16:25 2024 RT1

8.8.6

8

Initial Calibration Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EF9899-ICC9899
Lab FileID: F222739.D

Response Factor Report GCMSF

Method : C:\MSDCHEM\1\METHODS\MF9899.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Nov 08 09:33:11 2024
Response via : Initial Calibration

Calibration Files
2 =F222734.D 5 =F222735.D 25 =F222737.D 80 =F222738.D
100 =F222740.D 50 =F222739.D 10 =F222736.D 1 =F222733.D

Compound	2	5	25	80	100	50	10	1	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	ISTD									
2) 1,4-Dioxane	0.619	0.535	0.435	0.436	0.489	0.451	0.490	0.587	0.505	13.73
3) Pyridine	1.055	1.185	1.195	1.222	1.380	1.278	1.144	0.885	1.168	12.72
4) N-Nitrosodim	0.756	0.529	0.566	0.561	0.621	0.587	0.553	0.683	0.607	12.62
5) 2-Fluorophen	1.073	0.967	1.067	1.082	1.243	1.126	1.023	1.013	1.074	7.80
6) Indene	2.007	2.057	2.054	2.092	2.376	2.171	2.002	2.075	2.104	5.79
7) Cumene	2.329	2.245	2.204	2.261	2.547	2.333	2.238	2.246	2.300	4.75
8) Phenol-d5	1.118	1.222	1.246	1.293	1.461	1.326	1.251	1.073	1.249	9.66
9) Phenol	1.350	1.304	1.370	1.423	1.579	1.457	1.327	1.347	1.395	6.44
10) Aniline	1.742	1.673	1.755	1.766	1.977	1.825	1.680	1.736	1.769	5.47
11) bis(2-Chloro	1.015	1.064	1.052	1.074	1.216	1.128	1.085	1.102	1.092	5.53
12) 2-Chlorophen	1.186	1.090	1.184	1.229	1.376	1.269	1.147	1.129	1.201	7.50
13) Decane	1.214	1.119	1.142	1.135	1.279	1.195	1.179	1.211	1.184	4.42
14) 1,3-Dichloro	1.419	1.361	1.388	1.420	1.595	1.459	1.344	1.425	1.426	5.43
15) 1,4-Dichloro	1.446	1.421	1.419	1.449	1.628	1.496	1.421	1.407	1.461	5.00
16) Benzyl alcoh	0.719	0.693	0.738	0.762	0.865	0.785	0.690	0.651	0.738	9.05
17) 1,2-Dichloro	1.380	1.336	1.342	1.372	1.566	1.410	1.361	1.421	1.399	5.27
18) Acetophenone	1.711	1.687	1.686	1.731	1.940	1.816	1.681	1.667	1.740	5.38
19) 2-Methylphen	0.933	1.007	1.012	1.057	1.183	1.091	0.984	0.949	1.027	7.96
20) 2,2'-oxybis(	0.361	0.337	0.321	0.351	0.381	0.353	0.329	0.349	0.348	5.42
21) 3&4-Methylph	1.062	0.994	1.075	1.121	1.275	1.176	1.048	0.946	1.087	9.55
22) n-Nitroso-di	0.756	0.785	0.806	0.803	0.886	0.840	0.808	0.664	0.793	8.16
23) Hexachloroet	0.582	0.502	0.552	0.573	0.657	0.592	0.533	0.512	0.563	8.89
24) I Naphthalene-d8	ISTD									
25) Nitrobenzene	0.261	0.248	0.279	0.301	0.335	0.305	0.277	0.275	0.285	9.65
26) Nitrobenzene	0.280	0.283	0.305	0.328	0.357	0.329	0.303	0.265	0.306	9.93
27) Quinoline	0.611	0.579	0.598	0.623	0.704	0.646	0.602	0.626	0.624	6.09
28) Isophorone	0.543	0.537	0.537	0.566	0.628	0.582	0.547	0.534	0.559	5.79
29) 2-Nitropheno		0.115	0.128	0.163	0.191	0.156	0.118		0.145	20.72
----- Quadratic regression ----- Coefficient = 0.9980										
Response Ratio = 0.00008 + 0.11047 *A + 0.03073 *A^2										
30) 2,4-Dimethyl	0.292	0.287	0.303	0.322	0.363	0.330	0.304	0.270	0.309	9.41
31) Benzoic acid		0.097	0.155	0.200	0.237	0.190	0.124		0.167	30.91
----- Quadratic regression ----- Coefficient = 0.9980										
Response Ratio = -0.00598 + 0.14080 *A + 0.03715 *A^2										
32) bis(2-Chloro	0.347	0.340	0.346	0.370	0.412	0.378	0.358	0.366	0.365	6.34
33) 2,4-Dichloro	0.246	0.255	0.263	0.296	0.328	0.291	0.261	0.247	0.273	10.61
34) 2,6-Dichloro	0.249	0.258	0.269	0.299	0.339	0.300	0.266	0.258	0.280	10.87
35) 1,3,5-Trichl	0.343	0.336	0.343	0.367	0.414	0.371	0.348	0.322	0.355	8.05
36) 1,2,4-Trichl	0.325	0.307	0.320	0.347	0.386	0.347	0.318	0.296	0.331	8.64
37) 1,2,3-Trichl	0.335	0.319	0.315	0.347	0.395	0.356	0.323	0.302	0.337	8.73
38) Naphthalene	0.982	0.923	0.917	0.967	1.079	0.985	0.939	0.925	0.965	5.53
39) 4-Chloroanil	0.358	0.373	0.387	0.417	0.467	0.429	0.394	0.379	0.400	8.85

Initial Calibration Summary

Job Number: JE1296 **Sample:** EF9899-ICC9899
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** F222739.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

40)	2,3-Dichloro	0.311	0.317	0.320	0.345	0.391	0.350	0.330	0.290	0.332	9.23
41)	Hydroquinone	0.230	0.246	0.262	0.282	0.309	0.290	0.261	0.226	0.263	11.04
42)	Hexachlorobu	0.205	0.199	0.202	0.219	0.250	0.225	0.205	0.191	0.212	8.75
43)	4-Chloro-3-m	0.231	0.221	0.240	0.258	0.290	0.270	0.247	0.214	0.246	10.36
44)	2-Methylnaph	0.560	0.546	0.557	0.592	0.671	0.601	0.571	0.545	0.581	7.19
45)	1-Methylnaph	0.606	0.576	0.576	0.621	0.690	0.620	0.596	0.562	0.606	6.65
46)	I Acenaphthene-d10	ISTD									
47)	Hexachlorocy	0.299	0.366	0.430	0.489	0.422	0.339		0.391		17.68
48)	1,2,4,5-tetr	0.658	0.618	0.667	0.701	0.791	0.718	0.656	0.558	0.671	10.32
49)	2,4,6-Trichl	0.324	0.366	0.394	0.429	0.480	0.434	0.362	0.325	0.389	14.27
50)	2,4,5-Trichl	0.390	0.376	0.435	0.479	0.538	0.489	0.411		0.445	13.19
51)	2-Fluorobiph	1.350	1.322	1.348	1.435	1.602	1.475	1.374	1.314	1.402	6.97
52)	2-Chloronaph	0.455	0.480	0.507	0.551	0.619	0.556	0.496	0.484	0.518	10.26
53)	Biphenyl	1.489	1.446	1.500	1.571	1.737	1.610	1.523	1.515	1.549	5.88
54)	2-Nitroanili	0.214	0.265	0.293	0.324	0.299	0.236		0.272		15.30
55)	Dimethylphth	1.242	1.267	1.294	1.341	1.504	1.379	1.313	1.248	1.323	6.54
56)	Acenaphthyle	1.534	1.537	1.652	1.744	1.927	1.771	1.696	1.492	1.669	8.79
57)	2,6-Dinitrot	0.132	0.162	0.232	0.268	0.312	0.263	0.194	0.140	0.213	31.02
	----- Quadratic regression -----								Coefficient =		0.9980
	Response Ratio = -0.00262 + 0.20199 *A + 0.04156 *A^2										
58)	3-Nitroanili	0.212	0.278	0.322	0.357	0.315	0.248		0.289		18.35
59)	Acenaphthene	1.285	1.207	1.229	1.261	1.415	1.301	1.242	1.350	1.286	5.34
60)	2,4-Dinitrop	0.049	0.061	0.105	0.159	0.189	0.141	0.080		0.112	47.09
	----- Quadratic regression -----								Coefficient =		0.9988
	Response Ratio = -0.00481 + 0.08380 *A + 0.02075 *A^2										
61)	4-Nitropheno	0.127	0.162	0.177	0.201	0.180	0.149		0.166		15.64
62)	Dibenzofuran	1.731	1.702	1.692	1.797	2.004	1.848	1.742	1.763	1.785	5.70
63)	2,4-Dinitrot	0.196	0.212	0.317	0.382	0.433	0.375	0.265	0.173	0.294	32.99
	----- Quadratic regression -----								Coefficient =		0.9983
	Response Ratio = -0.00422 + 0.28441 *A + 0.05812 *A^2										
64)	2,3,4,6-Tetr	0.261	0.332	0.371	0.412	0.372	0.312		0.343		15.46
65)	Diethylphtha	1.287	1.347	1.361	1.427	1.566	1.453	1.365	1.320	1.391	6.37
66)	Fluorene	1.314	1.251	1.368	1.450	1.639	1.469	1.324	1.228	1.381	9.76
67)	4-Chlorophen	0.733	0.706	0.707	0.748	0.841	0.771	0.720	0.768	0.749	5.97
68)	4-Nitroanili	0.241	0.302	0.326	0.358	0.343	0.277		0.308		14.24
69)	I Phenanthrene-d10	ISTD									
70)	4,6-Dinitro-	0.040	0.070	0.100	0.115	0.090	0.055		0.078		36.37
	----- Quadratic regression -----								Coefficient =		0.9992
	Response Ratio = -0.00337 + 0.06384 *A + 0.02060 *A^2										
71)	n-Nitrosodip	0.571	0.555	0.565	0.607	0.687	0.626	0.584	0.514	0.589	8.83
72)	1,2-Diphenyl	0.588	0.621	0.609	0.622	0.684	0.644	0.631	0.580	0.622	5.26
73)	2,4,6-Tribro	0.080	0.091	0.101	0.115	0.106	0.091		0.097		12.82
74)	4-Bromopheny	0.215	0.192	0.210	0.221	0.247	0.223	0.208	0.198	0.214	7.91
75)	Hexachlorobe	0.239	0.215	0.217	0.231	0.260	0.238	0.231	0.208	0.230	7.18
76)	Pentachlorop	0.096	0.104	0.137	0.161	0.182	0.160	0.127		0.138	22.87
	----- Quadratic regression -----								Coefficient =		0.9986
	Response Ratio = -0.00431 + 0.12945 *A + 0.01005 *A^2										
77)	Phenanthrene	1.061	1.001	0.997	1.061	1.188	1.079	1.044	1.074	1.063	5.59
78)	Anthracene	1.050	0.967	1.013	1.080	1.211	1.102	1.019	0.919	1.045	8.53
79)	Carbazole	0.933	0.872	0.933	1.000	1.125	1.029	0.938	0.834	0.958	9.59
80)	Di-n-butylph	0.993	0.995	1.116	1.236	1.390	1.251	1.097	0.971	1.131	13.24
81)	Fluoranthene	1.039	1.036	1.145	1.234	1.397	1.252	1.116	0.977	1.150	12.09
82)	Octadecane	0.316	0.337	0.366	0.379	0.419	0.394	0.362	0.301	0.359	11.05

Initial Calibration Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EF9899-ICC9899
Lab FileID: F222739.D

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 83) I   Chrysene-d12          ----------------ISTD--------------------
 84) Benzidine    0.553 0.601 0.706 0.806 0.900 0.733 0.643 0.690 0.704  15.84
 85) Pyrene       1.252 1.253 1.291 1.334 1.487 1.381 1.306 1.271 1.322   6.01
 86) Terphenyl-d1 0.899 0.882 0.895 0.952 1.054 0.985 0.931 0.885 0.936   6.42
 87) Butylbenzylp 0.287 0.339 0.456 0.525 0.588 0.524 0.413       0.447  24.23
          ----- Quadratic regression -----                Coefficient =  0.9979
               Response Ratio = -0.00729 + 0.41936 *A + 0.06664 *A^2

 88) Benzo[a]anth 1.113 1.065 1.155 1.250 1.391 1.286 1.143 1.107 1.189   9.29
 89) 3,3'-Dichlor 0.318 0.360 0.441 0.502       0.515 0.402       0.423  18.41
 90) Chrysene     1.279 1.219 1.207 1.248 1.382 1.303 1.256 1.237 1.266   4.43
 91) bis(2-Ethylh 0.471 0.547 0.735 0.829 0.930 0.838 0.666       0.717  23.13
          ----- Quadratic regression -----                Coefficient =  0.9977
               Response Ratio = -0.01146 + 0.67822 *A + 0.09901 *A^2


 92) I   Perylene-d12          ----------------ISTD--------------------
 93) Di-n-octylph 0.524 0.678 1.066 1.297 1.469 1.277 0.875       1.026  33.99
          ----- Quadratic regression -----                Coefficient =  0.9984
               Response Ratio = -0.03098 + 1.00592 *A + 0.18191 *A^2

 94) Benzo[b]fluo 0.980 1.002 1.141 1.279 1.431 1.299 1.085 0.847 1.133  17.09
 95) Benzo[k]fluo 0.990 1.036 1.186 1.227 1.351 1.264 1.146 0.947 1.143  12.39
 96) Benzo[a]pyre 0.769 0.829 0.966 1.064 1.185 1.077 0.915 0.704 0.939  17.71
 97) Indeno[1,2,3 0.830 0.815 0.984 1.118 1.277 1.138 0.934 0.677 0.972  20.41
          ----- Quadratic regression -----                Coefficient =  0.9982
               Response Ratio = -0.00670 + 0.92225 *A + 0.13173 *A^2

 98) Dibenz(a,h)a       0.684 0.794 0.910 1.031 0.919 0.742       0.847  15.23
 99) Dibenz[a,h]a 0.794 0.890 1.014 1.121 1.274 1.140 0.969 0.726 0.991  18.69
100) 7,12-Dimethy       0.395 0.474 0.526 0.588 0.535 0.438       0.493  14.29
101) Benzo[g,h,i] 0.799 0.860 0.963 1.053 1.189 1.083 0.941 0.721 0.951  16.36


 ------------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           MF9899.M          Fri Nov 08 09:57:27 2024   RT1
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8.8.7

8

Initial Calibration Verification

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EF9899-ICV9899
Lab FileID: F222741.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF9899\f222741.D Vial: 10
Acq On : 7 Nov 2024 12:06 pm Operator: jackleey
Sample : icv9899-50 Inst : GCMSF
Misc : op58797b,ef9899,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9899.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Nov 08 09:33:11 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00	4.77
2	t	1,4-Dioxane	0.505	0.481	4.8	110	0.00	2.70
6	t	Indene	2.104	2.264	-7.6	107	0.00	4.94
7	t	Cumene	2.300	2.444	-6.3	108	0.00	4.22
11	t	bis(2-Chloroethyl)ether	1.092	1.119	-2.5	102	0.00	4.57
13	t	Decane	1.184	1.250	-5.6	108	0.00	4.65
14	t	1,3-Dichlorobenzene	1.426	1.510	-5.9	106	0.00	4.72
15	t	1,4-Dichlorobenzene	1.461	1.558	-6.6	107	0.00	4.78
16	t	Benzyl alcohol	0.738	0.785	-6.4	103	0.00	4.86
17	t	1,2-Dichlorobenzene	1.399	1.487	-6.3	108	0.00	4.88
18	t	Acetophenone	1.740	1.829	-5.1	104	0.00	5.04
20	t	2,2'-oxybis(1-Chloropropa	0.348	0.370	-6.3	108	0.00	4.95
23	t	Hexachloroethane	0.563	0.604	-7.3	105	0.00	5.12
24	I	Naphthalene-d8	1.000	1.000	0.0	102	0.00	5.66
26	t	Nitrobenzene	0.306	0.337	-10.1	104	0.00	5.16
27	t	Quinoline	0.624	0.657	-5.3	103	-0.01	5.91
28	t	Isophorone	0.559	0.605	-8.2	106	0.00	5.33

		----------	AvgRF	CCRF	% Dev	----------		
32	t	bis(2-Chloroethoxy)methan	0.365	0.381	-4.4	102	0.00	5.48
35		1,3,5-Trichlorobenzene	0.355	0.381	-7.3	104	0.00	5.39
36	t	1,2,4-Trichlorobenzene	0.331	0.364	-10.0	107	0.00	5.61
37		1,2,3-Trichlorobenzene	0.337	0.371	-10.1	106	0.00	5.77
38	t	Naphthalene	0.965	1.054	-9.2	109	0.00	5.67
40	t	2,3-Dichloroaniline	0.332	0.352	-6.0	102	0.00	6.38
42	t	Hexachlorobutadiene	0.212	0.228	-7.5	103	0.00	5.75
44	t	2-Methylnaphthalene	0.581	0.621	-6.9	105	0.00	6.17
45	t	1-Methylnaphthalene	0.606	0.646	-6.6	106	0.00	6.25

Initial Calibration Verification

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EF9899-ICV9899
Lab FileID: F222741.D

46	I	Acenaphthene-d10	1.000	1.000	0.0	102	0.00	7.04
47	t	Hexachlorocyclopentadiene	0.391	0.470	-20.2	114	0.00	6.29
48	t	1,2,4,5-tetrachlorobenzen	0.671	0.753	-12.2	107	0.00	6.29
53	t	Biphenyl	1.549	1.619	-4.5	103	0.00	6.54
55	t	Dimethylphthalate	1.323	1.419	-7.3	105	0.00	6.80
56	t	Acenaphthylene	1.669	1.882	-12.8	109	0.00	6.91
		----------	True	Calc.	% Drift	----------		
57	t	2,6-Dinitrotoluene	50.000	52.607	-5.2	104	0.00	6.85
		----------	AvgRF	CCRF	% Dev	----------		
59	t	Acenaphthene	1.286	1.365	-6.1	107	0.00	7.07
62	t	Dibenzofuran	1.785	1.910	-7.0	106	0.00	7.24
		----------	True	Calc.	% Drift	----------		
63	t	2,4-Dinitrotoluene	50.000	50.349	-0.7	97	0.00	7.22
		----------	AvgRF	CCRF	% Dev	----------		
65	t	Diethylphthalate	1.391	1.501	-7.9	106	0.00	7.47
66	t	Fluorene	1.381	1.523	-10.3	106	0.00	7.59
67	t	4-Chlorophenyl-phenylethe	0.749	0.793	-5.9	105	0.00	7.59
69	I	Phenanthrene-d10	1.000	1.000	0.0	106	0.00	8.67
72	t	1,2-Diphenylhydrazine	0.622	0.642	-3.2	106	0.00	7.76
74	t	4-Bromophenyl-phenylether	0.214	0.221	-3.3	105	0.00	8.13
75	t	Hexachlorobenzene	0.230	0.237	-3.0	106	0.00	8.19
		----------	AvgRF	CCRF	% Dev	----------		
77	t	Phenanthrene	1.063	1.099	-3.4	108	0.00	8.70
78	t	Anthracene	1.045	1.107	-5.9	107	0.00	8.76
79	t	Carbazole	0.958	1.020	-6.5	105	0.00	8.97
80	t	Di-n-butylphthalate	1.131	1.258	-11.2	107	0.00	9.49
81	t	Fluoranthene	1.150	1.268	-10.3	107	0.00	10.32
82	t	Octadecane	0.359	0.389	-8.4	105	0.00	8.57
83	I	Chrysene-d12	1.000	1.000	0.0	97	0.00	12.51
85	t	Pyrene	1.322	1.486	-12.4	105	0.00	10.65
		----------	True	Calc.	% Drift	----------		
87	t	Butylbenzylphthalate	50.000	56.516	-13.0	107	0.00	11.74
		----------	AvgRF	CCRF	% Dev	----------		
88	t	Benzo[a]anthracene	1.189	1.343	-13.0	101	0.00	12.49
90	t	Chrysene	1.266	1.392	-10.0	104	0.00	12.55
		----------	True	Calc.	% Drift	----------		

Initial Calibration Verification

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EF9899-ICV9899
Lab FileID: F222741.D

91	t	bis(2-Ethylhexyl)phthalat	50.000	56.200	-12.4	105	0.00	12.69
		----------	AvgRF	CCRF	% Dev	----------		
92	I	Perylene-d12	1.000	1.000	0.0	104	0.00	14.60
		----------	True	Calc.	% Drift	----------		
93	t	Di-n-octylphthalate	50.000	53.474	-6.9	107	0.00	13.68
		----------	AvgRF	CCRF	% Dev	----------		
94	t	Benzo[b]fluoranthene	1.133	1.291	-13.9	103	0.00	14.09
95	t	Benzo[k]fluoranthene	1.143	1.325	-15.9	109	0.00	14.12
96	t	Benzo[a]pyrene	0.939	1.113	-18.5	107	0.00	14.53
		----------	True	Calc.	% Drift	----------		
97	t	Indeno[1,2,3-cd]pyrene	50.000	49.951	0.1	99	0.00	16.00
		----------	AvgRF	CCRF	% Dev	----------		
98	t	Dibenz(a,h)acridine	0.847	0.916	-8.1	104	0.00	15.70
99	t	Dibenz[a,h]anthracene	0.991	1.117	-12.7	102	0.00	16.04
100	t	7,12-Dimethylbenz(a)anthr	0.493	0.514	-4.3	100	0.00	14.09
101	t	Benzo[g,h,i]perylene	0.951	1.053	-10.7	101	0.00	16.38

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F222739.D MF9899.M Fri Nov 08 09:57:41 2024 RT1

8.8.8

8

Initial Calibration Verification

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EF9899-ICV9899
Lab FileID: F222742.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF9899\f222742.D Vial: 11
Acq On : 7 Nov 2024 12:30 pm Operator: jackleey
Sample : icv9899-50 Inst : GCMSF
Misc : op58797b,ef9899,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9899.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Nov 08 09:33:11 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	106	0.00	4.77
9	t	Phenol	1.395	1.419	-1.7	103	0.00	4.50
12	t	2-Chlorophenol	1.201	1.257	-4.7	105	0.00	4.62
19	t	2-Methylphenol	1.027	1.082	-5.4	105	0.00	4.92
21	t	3&4-Methylphenol	1.087	1.154	-6.2	104	0.00	5.03
24	I	Naphthalene-d8	1.000	1.000	0.0	107	0.00	5.66
		----------	True	Calc.	% Drift	----------		
29	t	2-Nitrophenol	50.000	52.030	-4.1	107	0.00	5.38
		----------	AvgRF	CCRF	% Dev	----------		
30	t	2,4-Dimethylphenol	0.309	0.330	-6.8	107	0.00	5.40
		----------	True	Calc.	% Drift	----------		
31	t	Benzoic acid	50.000	52.953	-5.9	110	0.00	5.47
		----------	AvgRF	CCRF	% Dev	----------		
33	t	2,4-Dichlorophenol	0.273	0.296	-8.4	109	0.00	5.55
34		2,6-Dichlorophenol	0.280	0.296	-5.7	105	0.00	5.71
41	t	Hydroquinone	0.263	0.327	-24.3	121	0.03	5.96
43	t	4-Chloro-3-methylphenol	0.246	0.263	-6.9	104	0.00	6.04
46	I	Acenaphthene-d10	1.000	1.000	0.0	106	0.00	7.04
49	t	2,4,6-Trichlorophenol	0.389	0.427	-9.8	104	0.00	6.38
50	t	2,4,5-Trichlorophenol	0.445	0.461	-3.6	100	0.00	6.41
52	t	2-Chloronaphthalene	0.518	0.555	-7.1	105	0.00	5.71
		----------	True	Calc.	% Drift	----------		
60	t	2,4-Dinitrophenol	100.000	102.081	-2.1	103	0.00	7.09

8.8.9

8

Initial Calibration Verification

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EF9899-ICV9899
Lab FileID: F222742.D

			AvgRF	CCRF	% Dev			
61	t	4-Nitrophenol	0.166	0.189	-13.9	111	0.00	7.14

			AvgRF	CCRF	% Dev			
64		2,3,4,6-Tetrachlorophenol	0.343	0.366	-6.7	104	0.00	7.35
69	I	Phenanthrene-d10	1.000	1.000	0.0	110	0.00	8.66

			True	Calc.	% Drift			
70	t	4,6-Dinitro-2-methylpheno	50.000	50.477	-1.0	108	-0.01	7.63
76	t	Pentachlorophenol	100.000	98.995	1.0	104	0.00	8.42

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F222739.D MF9899.M Fri Nov 08 10:16:47 2024 RT1

8.8.9

Initial Calibration Verification

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EF9899-ICV9899
Lab FileID: F222743.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF9899\f222743.D Vial: 12
Acq On : 7 Nov 2024 12:53 pm Operator: jackleey
Sample : icv9899-50 Inst : GCMSF
Misc : op58797b,ef9899,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9899.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Nov 08 09:33:11 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00	4.76
3	t	Pyridine	1.168	1.248	-6.8	102	0.00	2.94
4	t	N-Nitrosodimethylamine	0.607	0.580	4.4	103	0.00	2.92
10	t	Aniline	1.769	1.797	-1.6	103	0.00	4.54
22		n-Nitroso-di-n-propylamin	0.793	0.829	-4.5	103	0.00	5.04
24	I	Naphthalene-d8	1.000	1.000	0.0	103	0.00	5.66
39	t	4-Chloroaniline	0.400	0.416	-4.0	100	0.00	5.71
46	I	Acenaphthene-d10	1.000	1.000	0.0	106	0.00	7.04
54	t	2-Nitroaniline	0.272	0.286	-5.1	101	0.00	6.64
		----------	AvgRF	CCRF	% Dev	----------		
58	t	3-Nitroaniline	0.289	0.301	-4.2	101	0.00	7.00
68	t	4-Nitroaniline	0.308	0.294	4.5	91	0.00	7.61
69	I	Phenanthrene-d10	1.000	1.000	0.0	108	0.00	8.66
		----------	AvgRF	CCRF	% Dev	----------		
71	t	n-Nitrosodiphenylamine	0.589	0.586	0.5	101	0.00	7.71
83	I	Chrysene-d12	1.000	1.000	0.0	99	0.00	12.51
84	t	Benzidine	0.704	0.867	-23.2	118	0.00	10.56
89	t	3,3'-Dichlorobenzidine	0.423	0.470	-11.1	91	0.00	12.50

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F222739.D MF9899.M Fri Nov 08 09:57:45 2024 RT1

Continuing Calibration Summary

Job Number: JE1296 **Sample:** EF9917-CC9899
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** F223202.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : X:\Dayton SVOA GCMS\altheam\EF9917\f223202.D Vial: 2
Acq On : 29 Nov 2024 11:59 am Operator: kristis
Sample : cc9899-50 Inst : GCMSF
Misc : op58797,ef9917,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : X:\Dayton SVOA G...\method\MF9899.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Dec 02 06:19:46 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	91	0.00	4.69
2	t	1,4-Dioxane	0.505	0.457	9.5	93	0.00	2.55
3	t	Pyridine	1.168	1.273	-9.0	91	0.00	2.81
4	t	N-Nitrosodimethylamine	0.607	0.565	6.9	88	0.00	2.78
5	S	2-Fluorophenol	1.074	1.148	-6.9	93	0.00	3.80
6	t	Indene	2.104	2.136	-1.5	90	0.00	4.88
7	t	Cumene	2.300	2.339	-1.7	92	0.00	4.14
8	S	Phenol-d5	1.249	1.340	-7.3	92	0.00	4.46
9	t	Phenol	1.395	1.573	-12.8	99	0.00	4.47
10	t	Aniline	1.769	1.778	-0.5	89	0.00	4.47
11	t	bis(2-Chloroethyl)ether	1.092	1.116	-2.2	91	0.00	4.51
12	t	2-Chlorophenol	1.201	1.269	-5.7	91	0.00	4.56
13	t	Decane	1.184	1.261	-6.5	97	0.00	4.57
14	t	1,3-Dichlorobenzene	1.426	1.466	-2.8	92	0.00	4.66
15	t	1,4-Dichlorobenzene	1.461	1.478	-1.2	90	0.00	4.71
16	t	Benzyl alcohol	0.738	0.764	-3.5	89	0.00	4.79
17	t	1,2-Dichlorobenzene	1.399	1.416	-1.2	92	0.00	4.82
18	t	Acetophenone	1.740	1.682	3.3	85	0.00	4.98
19	t	2-Methylphenol	1.027	1.084	-5.6	91	0.00	4.89
20	t	2,2'-oxybis(1-Chloropropa	0.348	0.340	2.3	88	0.00	4.88
21	t	3&4-Methylphenol	1.087	1.149	-5.7	89	0.00	4.99
22		n-Nitroso-di-n-propylamin	0.793	0.799	-0.8	87	0.00	4.98
23	t	Hexachloroethane	0.563	0.579	-2.8	89	0.00	5.05
24	I	Naphthalene-d8	1.000	1.000	0.0	89	0.00	5.60
25	S	Nitrobenzene-d5	0.285	0.312	-9.5	91	0.00	5.09
26	t	Nitrobenzene	0.306	0.338	-10.5	91	0.00	5.10
27	t	Quinoline	0.624	0.653	-4.6	90	0.00	5.85
28	t	Isophorone	0.559	0.581	-3.9	89	0.00	5.27
		----------	True	Calc.	% Drift	----------		
29	t	2-Nitrophenol	50.000	59.139	-18.3	105	0.00	5.32
		----------	AvgRF	CCRF	% Dev	----------		
30	t	2,4-Dimethylphenol	0.309	0.324	-4.9	87	0.00	5.36
		----------	True	Calc.	% Drift	----------		
31	t	Benzoic acid	50.000	53.199	-6.4	92	0.00	5.45
		----------	AvgRF	CCRF	% Dev	----------		
32	t	bis(2-Chloroethoxy)methan	0.365	0.379	-3.8	89	0.00	5.41
33	t	2,4-Dichlorophenol	0.273	0.301	-10.3	92	0.00	5.51

8.8.11

8

Continuing Calibration Summary

Job Number: JE1296 **Sample:** EF9917-CC9899
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** F223202.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

34		2,6-Dichlorophenol	0.280	0.301	-7.5	89	0.00	5.66
35		1,3,5-Trichlorobenzene	0.355	0.367	-3.4	88	0.00	5.33
36	t	1,2,4-Trichlorobenzene	0.331	0.343	-3.6	88	0.00	5.55
37		1,2,3-Trichlorobenzene	0.337	0.345	-2.4	86	0.00	5.71
38	t	Naphthalene	0.965	0.985	-2.1	89	0.00	5.61
39	t	4-Chloroaniline	0.400	0.409	-2.2	84	0.00	5.65
40	t	2,3-Dichloroaniline	0.332	0.333	-0.3	84	0.00	6.32
41	t	Hydroquinone	0.263	0.260	1.1	80	0.00	5.91
42	t	Hexachlorobutadiene	0.212	0.222	-4.7	88	0.00	5.69
43	t	4-Chloro-3-methylphenol	0.246	0.262	-6.5	86	0.00	6.01
44	t	2-Methylnaphthalene	0.581	0.598	-2.9	88	0.00	6.10
45	t	1-Methylnaphthalene	0.606	0.620	-2.3	89	0.00	6.18
46	I	Acenaphthene-d10	1.000	1.000	0.0	88	0.00	6.96
47	t	Hexachlorocyclopentadiene	0.391	0.473	-21.0#	99	0.00	6.22
48	t	1,2,4,5-tetrachlorobenzen	0.671	0.701	-4.5	86	0.00	6.23
49	t	2,4,6-Trichlorophenol	0.389	0.434	-11.6	88	0.00	6.32
50	t	2,4,5-Trichlorophenol	0.445	0.484	-8.8	87	0.00	6.37
51	S	2-Fluorobiphenyl	1.402	1.452	-3.6	87	0.00	6.38
52	t	2-Chloronaphthalene	0.518	0.563	-8.7	89	0.00	5.66
53	t	Biphenyl	1.549	1.593	-2.8	87	0.00	6.47
54	t	2-Nitroaniline	0.272	0.306	-12.5	90	0.00	6.57
55	t	Dimethylphthalate	1.323	1.372	-3.7	88	0.00	6.72
56	t	Acenaphthylene	1.669	1.765	-5.8	88	0.00	6.84
		----------	True	Calc.	% Drift	----------		
57	t	2,6-Dinitrotoluene	50.000	57.263	-14.5	100	0.00	6.78
		----------	AvgRF	CCRF	% Dev	----------		
58	t	3-Nitroaniline	0.289	0.326	-12.8	91	0.00	6.94
59	t	Acenaphthene	1.286	1.290	-0.3	87	0.00	6.99
		----------	True	Calc.	% Drift	----------		
60	t	2,4-Dinitrophenol	100.000	135.536	-35.5#	129	0.00	7.03
		----------	AvgRF	CCRF	% Dev	----------		
61	t	4-Nitrophenol	0.166	0.173	-4.2	85	0.00	7.13
62	t	Dibenzofuran	1.785	1.821	-2.0	87	0.00	7.16
		----------	True	Calc.	% Drift	----------		
63	t	2,4-Dinitrotoluene	50.000	57.456	-14.9	98	0.00	7.15
		----------	AvgRF	CCRF	% Dev	----------		
64		2,3,4,6-Tetrachlorophenol	0.343	0.388	-13.1	92	0.00	7.28
65	t	Diethylphthalate	1.391	1.440	-3.5	87	0.00	7.38
66	t	Fluorene	1.381	1.452	-5.1	87	0.00	7.50
67	t	4-Chlorophenyl-phenylethe	0.749	0.759	-1.3	87	0.00	7.50
68	t	4-Nitroaniline	0.308	0.333	-8.1	86	0.00	7.54
69	I	Phenanthrene-d10	1.000	1.000	0.0	88	0.00	8.57
		----------	True	Calc.	% Drift	----------		
70	t	4,6-Dinitro-2-methylpheno	50.000	67.466	-34.9#	127	0.00	7.56
		----------	AvgRF	CCRF	% Dev	----------		
71	t	n-Nitrosodiphenylamine	0.589	0.622	-5.6	87	0.00	7.63
72	t	1,2-Diphenylhydrazine	0.622	0.630	-1.3	86	0.00	7.66
73	S	2,4,6-Tribromophenol	0.097	0.114	-17.5	95	0.00	7.75
74	t	4-Bromophenyl-phenylether	0.214	0.227	-6.1	89	0.00	8.03
75	t	Hexachlorobenzene	0.230	0.241	-4.8	89	0.00	8.10

Continuing Calibration Summary

Job Number: JE1296 **Sample:** EF9917-CC9899
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** F223202.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

			True	Calc.	% Drift			
76	t	Pentachlorophenol	100.000	108.169	-8.2	92	0.00	8.35
			AvgRF	CCRF	% Dev			
77	t	Phenanthrene	1.063	1.077	-1.3	88	0.00	8.60
78	t	Anthracene	1.045	1.083	-3.6	86	0.00	8.66
79	t	Carbazole	0.958	1.020	-6.5	87	0.00	8.88
80	t	Di-n-butylphthalate	1.131	1.264	-11.8	89	0.00	9.38
81	t	Fluoranthene	1.150	1.282	-11.5	90	0.00	10.21
82	t	Octadecane	0.359	0.409	-13.9	91	0.00	8.45
83	I	Chrysene-d12	1.000	1.000	0.0	89	0.00	12.39
84	t	Benzidine	0.704	0.617	12.4	75	0.00	10.45
85	t	Pyrene	1.322	1.378	-4.2	88	0.00	10.54
86	S	Terphenyl-d14	0.936	0.975	-4.2	88	0.00	10.82
			True	Calc.	% Drift			
87	t	Butylbenzylphthalate	50.000	56.318	-12.6	97	0.00	11.62
			AvgRF	CCRF	% Dev			
88	t	Benzo[a]anthracene	1.189	1.290	-8.5	89	0.00	12.38
89	t	3,3'-Dichlorobenzidine	0.423	0.509	-20.3#	88	0.00	12.39
90	t	Chrysene	1.266	1.272	-0.5	87	0.00	12.43
			True	Calc.	% Drift			
91	t	bis(2-Ethylhexyl)phthalat	50.000	54.510	-9.0	93	0.00	12.56
			AvgRF	CCRF	% Dev			
92	I	Perylene-d12	1.000	1.000	0.0	92	0.00	14.49
			True	Calc.	% Drift			
93	t	Di-n-octylphthalate	50.000	55.632	-11.3	99	0.00	13.55
			AvgRF	CCRF	% Dev			
94	t	Benzo[b]fluoranthene	1.133	1.274	-12.4	90	0.00	13.97
95	t	Benzo[k]fluoranthene	1.143	1.229	-7.5	89	0.00	14.01
96	t	Benzo[a]pyrene	0.939	1.080	-15.0	92	0.00	14.41
			True	Calc.	% Drift			
97	t	Indeno[1,2,3-cd]pyrene	50.000	53.942	-7.9	95	0.00	15.86
			AvgRF	CCRF	% Dev			
98	t	Dibenz(a,h)acridine	0.847	0.976	-15.2	97	0.00	15.56
99	t	Dibenz[a,h]anthracene	0.991	1.141	-15.1	92	0.00	15.90
100	t	7,12-Dimethylbenz(a)anthr	0.493	0.533	-8.1	91	0.00	13.97
101	t	Benzo[g,h,i]perylene	0.951	1.092	-14.8	92	0.00	16.22

(#) = Out of Range SPCC's out = 0 CCC's out = 0
f223203.D MF9899.M Mon Dec 02 06:20:11 2024

8.8.11

8

Continuing Calibration Summary

Job Number: JE1296 **Sample:** EF9917-CC9895
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** F223203.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : X:\Dayton SVOA GCMS\altheam\EF9917\f223203.D Vial: 3
Acq On : 29 Nov 2024 12:22 pm Operator: kristis
Sample : cc9895-50 Inst : GCMSF
Misc : op58797,ef9917,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : X:\Dayton SVOA G...\method\MF9899.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Dec 02 06:19:46 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
157 I	1,4-Dichlorobenzene-d4b	1.000	1.000	0.0	118	0.00	4.69
158	Benzaldehyde	1.145	1.017	11.2	114	0.00	4.39
159 I	Phenanthrene-d10b	1.000	1.000	0.0	133	0.00	8.57
160	Atrazine	0.190	0.210	-10.5	133	0.00	8.24
161 I	Naphthalene-d8b	1.000	1.000	0.0	119	0.00	5.59
162	Caprolactam	0.138	0.139	-0.7	119	0.00	5.90

(#) = Out of Range SPCC's out = 0 CCC's out = 0
f223203.D MF9899.M Mon Dec 02 06:20:15 2024

8.8.12

8

Initial Calibration Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EP7559-ICC7559
Lab FileID: P161762.D

Response Factor Report GCMSP

Method : C:\MSDCHEM\1\METHODS\MP7559.M (RTE Integrator)
Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
Last Update : Tue Sep 17 10:28:43 2024
Response via : Initial Calibration

Calibration Files
2 =p161764.D 5 =p161765.D 25 =p161767.D 80 =p161768.D
100 =p161769.D 50 =p161762.D 10 =p161766.D 1 =p161763.D

Compound	2	5	25	80	100	50	10	1	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	ISTD									
2) 1,4-Dioxane	0.533	0.535	0.501	0.486	0.520	0.496	0.502	0.501	0.509	3.56
3) Pyridine	1.192	1.287	1.400	1.367	1.466	1.419	1.418	1.467	1.377	6.86
4) N-Nitrosodim	0.638	0.567	0.609	0.604	0.689	0.644	0.674	0.739	0.646	8.41
5) 2-Fluorophen	1.039	1.111	1.236	1.233	1.297	1.234	1.188	1.213	1.194	6.85
6) Indene	2.012	2.155	2.190	2.012	2.067	2.086	2.172	2.284	2.122	4.47
7) Cumene	2.461	2.477	2.608	2.530	2.652	2.559	2.589	2.689	2.571	3.12
8) Phenol-d5	1.286	1.367	1.483	1.463	1.566	1.482	1.427	1.390	1.433	5.98
9) Phenol	1.429	1.473	1.614	1.562	1.651	1.593	1.602	1.510	1.554	4.92
10) Aniline	1.839	1.919	1.979	1.854	1.885	1.950	1.985	2.014	1.928	3.35
11) bis(2-Chloro	1.124	1.102	1.189	1.117	1.200	1.157	1.210	1.224	1.165	4.02
12) 2-Chlorophen	1.215	1.321	1.360	1.328	1.354	1.347	1.350	1.412	1.336	4.19
13) Decane	1.525	1.439	1.507	1.376	1.496	1.504	1.651	1.832	1.541	9.16
14) 1,3-Dichloro	1.395	1.495	1.546	1.445	1.480	1.475	1.522	1.486	1.480	3.11
15) 1,4-Dichloro	1.439	1.546	1.563	1.444	1.486	1.481	1.514	1.600	1.509	3.80
16) Benzyl alcoh	0.712	0.785	0.845	0.824	0.875	0.856	0.831	0.781	0.814	6.44
17) 1,2-Dichloro	1.397	1.435	1.505	1.388	1.432	1.414	1.452	1.562	1.448	4.06
18) Acetophenone	1.821	1.805	1.864	1.692	1.803	1.806	1.910	1.960	1.832	4.41
19) 2-Methylphen	1.092	1.144	1.183	1.127	1.192	1.153	1.187	1.186	1.158	3.08
20) 2,2'-oxybis(	0.308	0.361	0.338	0.319	0.328	0.331	0.348	0.352	0.336	5.29
21) 3&4-Methylph	1.093	1.179	1.243	1.150	1.194	1.204	1.230	1.257	1.194	4.49
22) n-Nitroso-di	0.801	0.846	0.862	0.805	0.887	0.877	0.908	0.953	0.867	5.89
23) Hexachloroet	0.496	0.557	0.570	0.534	0.548	0.537	0.523	0.538	0.538	4.14
24) I Naphthalene-d8	ISTD									
25) Nitrobenzene	0.279	0.280	0.306	0.293	0.321	0.309	0.309	0.310	0.301	5.00
26) Nitrobenzene	0.284	0.294	0.331	0.303	0.331	0.313	0.324	0.324	0.313	5.63
27) Quinoline	0.602	0.643	0.693	0.660	0.715	0.689	0.646	0.667	0.664	5.31
28) Isophorone	0.560	0.563	0.609	0.570	0.626	0.604	0.607	0.648	0.598	5.26
29) 2-Nitropheno	0.121	0.133	0.166	0.169	0.182	0.174	0.144	0.144	0.154	14.06
30) 2,4-Dimethyl	0.315	0.320	0.346	0.315	0.332	0.331	0.333	0.345	0.330	3.70
31) Benzoic acid	0.092	0.177	0.220	0.254	0.201	0.111			0.176	35.82
---- Quadratic regression ---- Coefficient = 0.9985										
Response Ratio = -0.01015 + 0.15975 *A + 0.03725 *A^2										
32) bis(2-Chloro	0.370	0.362	0.391	0.360	0.391	0.377	0.387	0.400	0.380	3.81
33) 2,4-Dichloro	0.244	0.281	0.308	0.285	0.298	0.293	0.277	0.297	0.285	6.77
34) 2,6-Dichloro	0.244	0.279	0.300	0.270	0.283	0.280	0.272	0.305	0.279	6.72
35) 1,3,5-Trichl	0.323	0.356	0.371	0.328	0.341	0.337	0.339	0.379	0.347	5.79
36) 1,2,4-Trichl	0.307	0.329	0.355	0.320	0.331	0.327	0.318	0.343	0.329	4.58
37) 1,2,3-Trichl	0.308	0.326	0.338	0.303	0.314	0.309	0.314	0.334	0.318	4.04
38) Naphthalene	0.946	0.983	1.025	0.921	0.967	0.951	0.984	1.066	0.980	4.73
39) 4-Chloroanil	0.400	0.408	0.436	0.393	0.417	0.411	0.409	0.452	0.416	4.66
40) 2,3-Dichloro	0.297	0.310	0.336	0.304	0.328	0.319	0.314	0.350	0.320	5.49
41) Hydroquinone	0.156	0.181	0.227	0.239	0.220	0.226	0.195	0.169	0.202	15.12
42) Hexachlorobu	0.184	0.209	0.216	0.194	0.199	0.196	0.191	0.204	0.199	5.18

Initial Calibration Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EP7559-ICC7559
Lab FileID: P161762.D

43)	4-Chloro-3-m	0.215	0.257	0.281	0.268	0.296	0.280	0.262	0.268	0.266	9.05
44)	2-Methylnaph	0.593	0.605	0.649	0.601	0.627	0.616	0.603	0.628	0.615	3.01
45)	1-Methylnaph	0.593	0.626	0.665	0.604	0.635	0.620	0.602	0.651	0.624	4.00
46)	I Acenaphthene-d10	----------ISTD----------									
47)	Hexachlorocy	0.255	0.285	0.329	0.302		0.329	0.281		0.297	9.77
	---- Quadratic regression ---- Coefficient = 0.9982										
	Response Ratio = -0.01224 + 0.34535 *A + -0.00907 *A^2										
48)	1,2,4,5-Tetr	0.602	0.665	0.671	0.580	0.600	0.612	0.636	0.666	0.629	5.60
49)	2,4,6-Trichl	0.351	0.389	0.419	0.378	0.400	0.405	0.389	0.388	0.390	5.19
50)	2,4,5-Trichl	0.406	0.426	0.458	0.420	0.433	0.427	0.424	0.413	0.426	3.64
51)	2-Fluorobiph	1.344	1.437	1.453	1.284	1.337	1.345	1.414	1.447	1.383	4.57
52)	2-Chloronaph	1.168	1.213	1.226	1.081	1.136	1.137	1.188	1.206	1.169	4.19
53)	Biphenyl	1.490	1.534	1.567	1.420	1.488	1.482	1.528	1.608	1.515	3.81
54)	2-Nitroanili	0.232	0.242	0.297	0.287	0.332	0.314	0.306	0.270	0.285	12.26
55)	Dimethylphth	1.336	1.370	1.419	1.322	1.412	1.403	1.331	1.464	1.382	3.65
56)	Acenaphthyle	1.514	1.565	1.663	1.527	1.595	1.613	1.599	1.625	1.588	3.13
57)	2,6-Dinitrot	0.191	0.211	0.265	0.265	0.290	0.274	0.232	0.197	0.241	15.69
58)	3-Nitroanili		0.253	0.326	0.320	0.353	0.336	0.291		0.313	11.49
59)	Acenaphthene	1.196	1.259	1.299	1.163	1.225	1.226	1.242	1.351	1.245	4.71
60)	2,4-Dinitrop	0.025	0.043	0.102	0.136	0.157	0.125	0.062		0.093	54.04
	---- Quadratic regression ---- Coefficient = 0.9980										
	Response Ratio = -0.00850 + 0.08716 *A + 0.01398 *A^2										
61)	4-Nitropheno		0.091	0.134	0.144	0.167	0.143	0.123		0.134	18.94
62)	Dibenzofuran	1.690	1.764	1.826	1.638	1.713	1.730	1.736	1.918	1.752	4.94
63)	2,4-Dinitrot	0.234	0.271	0.347	0.340	0.368	0.373	0.305	0.276	0.314	16.07
64)	2,3,4,6-Tetr	0.296	0.326	0.379	0.362	0.378	0.375	0.342	0.330	0.349	8.60
65)	Diethylphtha	1.299	1.358	1.447	1.362	1.467	1.450	1.385	1.495	1.408	4.76
66)	Fluorene	1.234	1.341	1.420	1.279	1.343	1.371	1.345	1.432	1.346	4.92
67)	4-Chlorophen	0.655	0.684	0.707	0.631	0.650	0.670	0.655	0.698	0.669	3.87
68)	4-Nitroanili	0.231	0.258	0.277	0.283	0.315	0.297	0.259	0.230	0.269	11.21
69)	I Phenanthrene-d10	----------ISTD----------									
70)	4,6-Dinitro-		0.051	0.082	0.087	0.098	0.094	0.063		0.079	23.06
	---- Quadratic regression ---- Coefficient = 0.9972										
	Response Ratio = -0.00515 + 0.08810 *A + 0.00372 *A^2										
71)	n-Nitrosodip	0.532	0.592	0.606	0.535	0.565	0.570	0.591	0.608	0.575	5.17
72)	1,2-Diphenyl	0.609	0.578	0.612	0.549	0.611	0.603	0.680	0.646	0.611	6.47
73)	2,4,6-Tribro	0.085	0.090	0.105	0.099	0.104	0.103	0.093	0.087	0.096	8.47
74)	4-Bromopheny	0.198	0.205	0.219	0.203	0.211	0.210	0.198	0.204	0.206	3.44
75)	Hexachlorobe	0.219	0.239	0.244	0.225	0.231	0.230	0.230	0.234	0.232	3.42
76)	Pentachlorop	0.122	0.140	0.162	0.155	0.163	0.166	0.141	0.135	0.148	10.74
77)	Phenanthrene	0.979	1.024	1.041	0.945	0.989	1.001	1.013	1.106	1.012	4.75
78)	Anthracene	0.934	0.992	1.047	0.934	0.991	1.006	0.998	1.038	0.993	4.18
79)	Carbazole	0.895	0.928	0.961	0.906	0.972	0.946	0.928	0.987	0.940	3.40
80)	Di-n-butylph	1.021	1.095	1.263	1.214	1.317	1.301	1.169	1.182	1.195	8.50
81)	Fluoranthene	1.057	1.170	1.279	1.206	1.260	1.272	1.134	1.211	1.199	6.38
82)	Octadecane	0.411	0.428	0.475	0.436	0.496	0.474	0.514	0.474	0.464	7.63
83)	I Chrysene-d12	----------ISTD----------									
84)	Benzidine	0.698	0.679	0.787	0.723	0.664	0.805	0.716	0.780	0.731	7.25
85)	Pyrene	1.318	1.376	1.417	1.255	1.371	1.343	1.394	1.377	1.357	3.75
86)	Terphenyl-d1	0.888	0.954	1.002	0.920	0.995	0.978	0.952	0.986	0.959	4.09
87)	Butylbenzylp	0.385	0.425	0.557	0.567	0.651	0.608	0.506	0.436	0.517	18.38
88)	Benzo[a]anth	1.182	1.253	1.344	1.263	1.365	1.328	1.240	1.416	1.299	5.92
89)	3,3'-Dichlor	0.424	0.442	0.470	0.469	0.512	0.481	0.449	0.465	0.464	5.76

Initial Calibration Summary

Job Number: JE1296 **Sample:** EP7559-ICC7559
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** P161762.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

90) Chrysene	1.157	1.244	1.250	1.119	1.195	1.195	1.217	1.317	1.212	5.01
91) bis(2-Ethylh	0.639	0.698	0.851	0.831	0.938	0.901	0.803	0.759	0.802	12.53
92) I Perylene-d12	----------ISTD----------									
93) Di-n-octylph	0.905	0.961	1.320	1.293	1.506	1.437	1.190	1.053	1.208	18.19
94) Benzo[b]fluo	1.060	1.120	1.255	1.172	1.290	1.226	1.126	1.192	1.180	6.49
95) Benzo[k]fluo	1.106	1.199	1.236	1.023	1.067	1.135	1.184	1.235	1.148	6.85
96) Benzo[a]pyre	0.909	0.977	1.091	1.006	1.080	1.070	0.982	1.030	1.018	6.11
97) Indeno[1,2,3	0.980	1.037	1.163	1.098	1.183	1.150	1.040	1.120	1.096	6.52
98) Dibenz(a,h)a	0.797	0.841	0.987	0.944	1.024	0.988	0.856	0.905	0.918	8.85
99) Dibenz[a,h]a	0.992	1.013	1.132	1.024	1.105	1.096	1.042	1.091	1.062	4.77
100) 7,12-Dimethy	0.318	0.362	0.437	0.456	0.479	0.453	0.375	0.356	0.405	14.55
101) Benzo[g,h,i]	0.970	1.043	1.141	1.036	1.123	1.094	1.018	1.148	1.072	6.02

(#) = Out of Range ### Number of calibration levels exceeded format ###

MP7559.M Tue Sep 17 10:39:48 2024

8.8.13

8

Initial Calibration Verification

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EP7559-ICV7559
Lab FileID: P161770.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ep7559\p161770.D Vial: 18
Acq On : 16 Sep 2024 2:58 pm Operator: kaleigh
Sample : icv7559-50 Inst : GCMSP
Misc : op55750,ep7559,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MP7559.M (RTE Integrator)
Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
Last Update : Tue Sep 17 12:16:05 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00	4.68
2	t	1,4-Dioxane	0.509	0.523	-2.8	106	0.00	2.62
6	t	Indene	2.122	2.270	-7.0	110	0.00	4.86
7	t	Cumene	2.571	2.729	-6.1	107	0.00	4.13
11	t	bis(2-Chloroethyl)ether	1.165	1.235	-6.0	107	0.00	4.49
13	t	Decane	1.541	1.676	-8.8	112	0.00	4.57
14	t	1,3-Dichlorobenzene	1.480	1.572	-6.2	107	0.00	4.64
15	t	1,4-Dichlorobenzene	1.509	1.555	-3.0	106	0.00	4.69
16	t	Benzyl alcohol	0.814	0.868	-6.6	102	0.00	4.77
17	t	1,2-Dichlorobenzene	1.448	1.487	-2.7	106	0.00	4.80
18	t	Acetophenone	1.832	1.887	-3.0	105	0.00	4.96
20	t	2,2'-oxybis(1-Chloropropa	0.336	0.345	-2.7	105	0.00	4.87
23	t	Hexachloroethane	0.538	0.561	-4.3	105	0.00	5.04
24	I	Naphthalene-d8	1.000	1.000	0.0	95	0.00	5.58
26	t	Nitrobenzene	0.313	0.340	-8.6	103	0.00	5.08
27	t	Quinoline	0.664	0.693	-4.4	96	-0.02	5.83
28	t	Isophorone	0.598	0.654	-9.4	103	-0.01	5.25

		----------	AvgRF	CCRF	% Dev	----------		
32	t	bis(2-Chloroethoxy)methan	0.380	0.413	-8.7	104	0.00	5.40
35		1,3,5-Trichlorobenzene	0.347	0.371	-6.9	105	0.00	5.32
36	t	1,2,4-Trichlorobenzene	0.329	0.342	-4.0	100	0.00	5.53
37		1,2,3-Trichlorobenzene	0.318	0.336	-5.7	104	0.00	5.70
38	t	Naphthalene	0.980	1.056	-7.8	106	0.00	5.59
40	t	2,3-Dichloroaniline	0.320	0.340	-6.3	102	0.00	6.32
42	t	Hexachlorobutadiene	0.199	0.212	-6.5	103	0.00	5.68
44	t	2-Methylnaphthalene	0.615	0.655	-6.5	101	0.00	6.10
45	t	1-Methylnaphthalene	0.624	0.659	-5.6	101	0.00	6.18
46	I	Acenaphthene-d10	1.000	1.000	0.0	92	0.00	7.01

Initial Calibration Verification

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EP7559-ICV7559
Lab FileID: P161770.D

			AvgRF	CCRF	% Dev			
48		1,2,4,5-Tetrachlorobenzen	0.629	0.642	-2.1	96	0.00	6.23
52	t	2-Chloronaphthalene	1.169	1.245	-6.5	100	0.00	6.49
53	t	Biphenyl	1.515	1.619	-6.9	100	0.00	6.48
55	t	Dimethylphthalate	1.382	1.435	-3.8	94	0.00	6.75
56	t	Acenaphthylene	1.588	1.874	-18.0	107	0.00	6.87
57	t	2,6-Dinitrotoluene	0.241	0.271	-12.4	91	0.00	6.81
59	t	Acenaphthene	1.245	1.327	-6.6	99	0.00	7.04
62	t	Dibenzofuran	1.752	1.831	-4.5	97	0.00	7.22
63	t	2,4-Dinitrotoluene	0.314	0.370	-17.8	91	0.00	7.21
65	t	Diethylphthalate	1.408	1.508	-7.1	95	-0.01	7.48
66	t	Fluorene	1.346	1.433	-6.5	96	0.00	7.61
67	t	4-Chlorophenyl-phenylethe	0.669	0.688	-2.8	94	0.00	7.61
69	I	Phenanthrene-d10	1.000	1.000	0.0	88	0.00	8.90
72	t	1,2-Diphenylhydrazine	0.611	0.692	-13.3	101	0.00	7.81
74	t	4-Bromophenyl-phenylether	0.206	0.224	-8.7	94	0.00	8.25
75	t	Hexachlorobenzene	0.232	0.241	-3.9	92	0.00	8.32
77	t	Phenanthrene	1.012	1.074	-6.1	95	0.00	8.94
78	t	Anthracene	0.993	1.082	-9.0	95	0.00	9.02
79	t	Carbazole	0.940	1.045	-11.2	97	0.00	9.29
80	t	Di-n-butylphthalate	1.195	1.367	-14.4	93	0.00	10.02
81	t	Fluoranthene	1.199	1.320	-10.1	92	0.00	11.08
82	t	Octadecane	0.464	0.545	-17.5	101	0.00	8.83
83	I	Chrysene-d12	1.000	1.000	0.0	84	0.00	14.18
85	t	Pyrene	1.357	1.466	-8.0	92	0.00	11.52
87	t	Butylbenzylphthalate	0.517	0.649	-25.5	90	0.00	13.16
88	t	Benzo[a]anthracene	1.299	1.390	-7.0	88	0.00	14.16
90	t	Chrysene	1.212	1.304	-7.6	92	-0.01	14.24
91	t	bis(2-Ethylhexyl)phthalat	0.802	0.965	-20.3	90	0.00	14.59
92	I	Perylene-d12	1.000	1.000	0.0	82	-0.01	17.22
93	t	Di-n-octylphthalate	1.208	1.564	-29.5	89	0.00	16.04
94	t	Benzo[b]fluoranthene	1.180	1.314	-11.4	88	-0.01	16.48
95	t	Benzo[k]fluoranthene	1.148	1.259	-9.7	91	0.00	16.55
96	t	Benzo[a]pyrene	1.018	1.152	-13.2	88	0.00	17.12
97	t	Indeno[1,2,3-cd]pyrene	1.096	1.216	-10.9	86	0.00	19.19
98	t	Dibenz(a,h)acridine	0.918	1.059	-15.4	88	-0.01	18.82
99	t	Dibenz[a,h]anthracene	1.062	1.169	-10.1	87	0.00	19.25
100	t	7,12-Dimethylbenz(a)anthr	0.405	0.431	-6.4	78	0.00	16.50
101	t	Benzo[g,h,i]perylene	1.072	1.170	-9.1	87	0.00	19.62

8.8.14

8

Initial Calibration Verification

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EP7559-ICV7559
Lab FileID: P161770.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
p161762.D MP7559.M Fri Sep 20 08:39:20 2024

Initial Calibration Verification

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EP7559-ICV7559
Lab FileID: P161771.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ep7559\p161771.D Vial: 19
Acq On : 16 Sep 2024 3:23 pm Operator: kaleigh
Sample : icv7559-50 Inst : GCMSP
Misc : op55750,ep7559,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MP7559.M (RTE Integrator)
Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
Last Update : Tue Sep 17 10:28:43 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	111	0.00	4.68
9	t	Phenol	1.554	1.550	0.3	108	0.00	4.42
12	t	2-Chlorophenol	1.336	1.299	2.8	107	0.00	4.53
19	t	2-Methylphenol	1.158	1.123	3.0	108	0.00	4.84
21	t	3&4-Methylphenol	1.194	1.177	1.4	109	0.00	4.95
24	I	Naphthalene-d8	1.000	1.000	0.0	106	0.00	5.58
29	t	2-Nitrophenol	0.154	0.166	-7.8	101	0.00	5.31
30	t	2,4-Dimethylphenol	0.330	0.337	-2.1	108	0.00	5.33
			True	Calc.	% Drift			
31	t	Benzoic acid	50.000	52.684	-5.4	112	-0.01	5.41
			AvgRF	CCRF	% Dev			
33	t	2,4-Dichlorophenol	0.285	0.286	-0.4	104	0.00	5.47
34		2,6-Dichlorophenol	0.279	0.285	-2.2	108	0.00	5.63
41	t	Hydroquinone	0.202	0.324	-60.4#	152	0.04	5.90
43	t	4-Chloro-3-methylphenol	0.266	0.281	-5.6	107	0.00	5.97
46	I	Acenaphthene-d10	1.000	1.000	0.0	105	0.00	7.01
49	t	2,4,6-Trichlorophenol	0.390	0.401	-2.8	104	0.00	6.31
50	t	2,4,5-Trichlorophenol	0.426	0.408	4.2	101	0.00	6.34
			True	Calc.	% Drift			
60	t	2,4-Dinitrophenol	100.000	103.942	-3.9	105	-0.01	7.07
			AvgRF	CCRF	% Dev			
61	t	4-Nitrophenol	0.134	0.154	-14.9	113	0.00	7.12
64		2,3,4,6-Tetrachlorophenol	0.349	0.356	-2.0	100	0.00	7.35

Initial Calibration Verification

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EP7559-ICV7559
Lab FileID: P161771.D

				True	Calc.	% Drift			
69	I	Phenanthrene-d10		1.000	1.000	0.0	101	-0.01	8.90
70	t	4,6-Dinitro-2-methylpheno		50.000	47.677	4.6	91	-0.02	7.67
76	t	Pentachlorophenol		0.148	0.147	0.7	90	-0.01	8.61

(#) = Out of Range SPCC's out = 0 CCC's out = 0
p161762.D MP7559.M Tue Sep 17 10:40:03 2024

8.8.15

8

Initial Calibration Verification

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EP7559-ICV7559
Lab FileID: P161772.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ep7559\p161772.D Vial: 20
Acq On : 16 Sep 2024 3:47 pm Operator: kaleigh
Sample : icv7559-50 Inst : GCMSP
Misc : op55750,ep7559,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MP7559.M (RTE Integrator)
Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
Last Update : Tue Sep 17 10:28:43 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	116	0.00	4.68
3	t	Pyridine	1.377	1.362	1.1	111	0.00	2.86
4	t	N-Nitrosodimethylamine	0.646	0.585	9.4	105	0.00	2.83
10	t	Aniline	1.928	1.921	0.4	114	0.00	4.45
22		n-Nitroso-di-n-propylamin	0.867	0.888	-2.4	118	-0.01	4.96
24	I	Naphthalene-d8	1.000	1.000	0.0	115	0.00	5.58
39	t	4-Chloroaniline	0.416	0.405	2.6	113	0.00	5.63
46	I	Acenaphthene-d10	1.000	1.000	0.0	108	0.00	7.01
54	t	2-Nitroaniline	0.285	0.311	-9.1	107	0.00	6.58
58	t	3-Nitroaniline	0.313	0.322	-2.9	104	0.00	6.97
68	t	4-Nitroaniline	0.269	0.307	-14.1	112	-0.01	7.63
69	I	Phenanthrene-d10	1.000	1.000	0.0	102	-0.01	8.90
		AvgRF CCRF % Dev						
71	t	n-Nitrosodiphenylamine	0.575	0.575	0.0	103	0.00	7.76
83	I	Chrysene-d12	1.000	1.000	0.0	95	-0.02	14.17
84	t	Benzidine	0.731	0.798	-9.2	94	-0.01	11.43
89	t	3,3'-Dichlorobenzidine	0.464	0.479	-3.2	94	-0.01	14.20

(#) = Out of Range SPCC's out = 0 CCC's out = 0
p161762.D MP7559.M Tue Sep 17 10:40:05 2024

Initial Calibration Verification

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EP7561-ICV7559
Lab FileID: P161778.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ep7561\p161778.D Vial: 3
Acq On : 18 Sep 2024 4:42 pm Operator: jackleey
Sample : icv7559-50 Inst : GCMSP
Misc : op55750,ep7561,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MP7559.M (RTE Integrator)
Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
Last Update : Tue Sep 17 12:16:05 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
46 I	Acenaphthene-d10	1.000	1.000	0.0	82	0.02	7.03
	---------- True	Calc.	% Drift	----------			
47 t	Hexachlorocyclopentadiene	100.000	72.375	27.6	58	0.00	6.23

(#) = Out of Range SPCC's out = 0 CCC's out = 0
p161762.D MP7559.M Fri Sep 20 09:01:04 2024

8.8.17

8

Continuing Calibration Summary

Job Number: JE1296 **Sample:** EP7621-CC7559
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** P163306.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : X:\Dayton SVOA GCMS\...elas\ep7621\p163306.d Vial: 1
Acq On : 29 Nov 2024 10:22 am Operator: kristis
Sample : cc7559-50 Inst : GCMSP
Misc : op55750,ep7621,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : X:\Dayton SVOA G...METHODS\MP7559.M (RTE Integrator)
Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
Last Update : Sun Nov 24 15:34:43 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	136	0.02	4.54
2	t	1,4-Dioxane	0.509	0.429	15.7	117	-0.05	2.13
3	t	Pyridine	1.377	1.165	15.4	111	-0.03	2.44
4	t	N-Nitrosodimethylamine	0.646	0.677	-4.8	143	-0.03	2.41
5	S	2-Fluorophenol	1.194	1.178	1.3	129	0.00	3.59
6	t	Indene	2.122	1.969	7.2	128	0.02	4.72
7	t	Cumene	2.571	2.440	5.1	129	0.00	3.93
8	S	Phenol-d5	1.433	1.361	5.0	124	0.01	4.31
9	t	Phenol	1.554	1.454	6.4	124	0.01	4.32
10	t	Aniline	1.928	1.528	20.7#	106	0.01	4.30
11	t	bis(2-Chloroethyl)ether	1.165	1.045	10.3	122	0.02	4.34
12	t	2-Chlorophenol	1.336	1.248	6.6	126	0.02	4.40
13	t	Decane	1.541	1.091	29.2#	98	0.01	4.41
14	t	1,3-Dichlorobenzene	1.480	1.453	1.8	134	0.02	4.49
15	t	1,4-Dichlorobenzene	1.509	1.426	5.5	130	0.01	4.55
16	t	Benzyl alcohol	0.814	0.786	3.4	124	0.02	4.65
17	t	1,2-Dichlorobenzene	1.448	1.418	2.1	136	0.02	4.66
18	t	Acetophenone	1.832	1.647	10.1	124	0.02	4.84
19	t	2-Methylphenol	1.158	1.024	11.6	120	0.02	4.76
20	t	2,2'-oxybis(1-Chloropropa	0.336	0.317	5.7	130	0.02	4.73
21	t	3&4-Methylphenol	1.194	1.062	11.1	120	0.02	4.87
22		n-Nitroso-di-n-propylamin	0.867	0.756	12.8	117	0.03	4.85
23	t	Hexachloroethane	0.538	0.602	-11.9	152	0.02	4.90
24	I	Naphthalene-d8	1.000	1.000	0.0	113	0.02	5.47
25	S	Nitrobenzene-d5	0.301	0.341	-13.3	124	0.02	4.95
26	t	Nitrobenzene	0.313	0.350	-11.8	126	0.02	4.96
27	t	Quinoline	0.664	0.645	2.9	105	0.01	5.74
28	t	Isophorone	0.598	0.619	-3.5	115	0.02	5.14
29	t	2-Nitrophenol	0.154	0.222	-44.2#	143	0.02	5.20
30	t	2,4-Dimethylphenol	0.330	0.371	-12.4	126	0.02	5.24
		----------	True	Calc.	% Drift	----------		
31	t	Benzoic acid	50.000	59.854	-19.7	140	0.04	5.39
		----------	AvgRF	CCRF	% Dev	----------		
32	t	bis(2-Chloroethoxy)methan	0.380	0.371	2.4	111	0.02	5.29
33	t	2,4-Dichlorophenol	0.285	0.352	-23.5#	136	0.02	5.39
34		2,6-Dichlorophenol	0.279	0.331	-18.6	133	0.02	5.54
35		1,3,5-Trichlorobenzene	0.347	0.410	-18.2	137	0.02	5.20
36	t	1,2,4-Trichlorobenzene	0.329	0.376	-14.3	129	0.02	5.43
37		1,2,3-Trichlorobenzene	0.318	0.367	-15.4	134	0.02	5.59

Continuing Calibration Summary

Job Number: JE1296 **Sample:** EP7621-CC7559
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** P163306.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

38	t	Naphthalene	0.980	0.992	-1.2	117	0.02	5.48
39	t	4-Chloroaniline	0.416	0.402	3.4	110	0.02	5.53
40	t	2,3-Dichloroaniline	0.320	0.372	-16.2	131	0.03	6.21
41	t	Hydroquinone	0.202	0.303	-50.0#	151	0.00	5.82
42	t	Hexachlorobutadiene	0.199	0.261	-31.2#	150	0.02	5.56
43	t	4-Chloro-3-methylphenol	0.266	0.325	-22.2#	131	0.01	5.90
44	t	2-Methylnaphthalene	0.615	0.674	-9.6	123	0.02	5.98
45	t	1-Methylnaphthalene	0.624	0.672	-7.7	122	0.03	6.06
46	I	Acenaphthene-d10	1.000	1.000	0.0	118	0.03	6.86
			True	Calc.	% Drift			
47	t	Hexachlorocyclopentadiene	100.000	81.836	18.2	94	0.03	6.10
			AvgRF	CCRF	% Dev			
48		1,2,4,5-Tetrachlorobenzen	0.629	0.699	-11.1	135	0.03	6.12
49	t	2,4,6-Trichlorophenol	0.390	0.426	-9.2	124	0.03	6.22
50	t	2,4,5-Trichlorophenol	0.426	0.469	-10.1	130	0.01	6.27
51	S	2-Fluorobiphenyl	1.383	1.400	-1.2	123	0.03	6.26
52	t	2-Chloronaphthalene	1.169	1.168	0.1	122	0.03	6.37
53	t	Biphenyl	1.515	1.490	1.7	119	0.03	6.35
54	t	2-Nitroaniline	0.285	0.334	-17.2	126	0.03	6.47
55	t	Dimethylphthalate	1.382	1.423	-3.0	120	0.03	6.61
56	t	Acenaphthylene	1.588	1.714	-7.9	126	0.03	6.73
57	t	2,6-Dinitrotoluene	0.241	0.330	-36.9#	142	0.03	6.68
58	t	3-Nitroaniline	0.313	0.332	-6.1	117	0.03	6.84
59	t	Acenaphthene	1.245	1.245	0.0	120	0.03	6.90
			True	Calc.	% Drift			
60	t	2,4-Dinitrophenol	100.000	140.744	-40.7#	178	0.03	6.98
			AvgRF	CCRF	% Dev			
61	t	4-Nitrophenol	0.134	0.121	9.7	100	0.02	7.08
62	t	Dibenzofuran	1.752	1.740	0.7	119	0.03	7.07
63	t	2,4-Dinitrotoluene	0.314	0.455	-44.9#	144	0.03	7.09
64		2,3,4,6-Tetrachlorophenol	0.349	0.261	25.2#	82	0.03	7.22
65	t	Diethylphthalate	1.408	1.505	-6.9	123	0.04	7.32
66	t	Fluorene	1.346	1.398	-3.9	121	0.04	7.45
67	t	4-Chlorophenyl-phenylethe	0.669	0.751	-12.3	133	0.04	7.44
68	t	4-Nitroaniline	0.269	0.338	-25.7#	135	0.04	7.51
69	I	Phenanthrene-d10	1.000	1.000	0.0	113	0.05	8.71
			True	Calc.	% Drift			
70	t	4,6-Dinitro-2-methylpheno	50.000	65.324	-30.6#	143	0.04	7.56
			AvgRF	CCRF	% Dev			
71	t	n-Nitrosodiphenylamine	0.575	0.597	-3.8	118	0.04	7.59
72	t	1,2-Diphenylhydrazine	0.611	0.590	3.4	110	0.04	7.63
73	S	2,4,6-Tribromophenol	0.096	0.121	-26.0#	133	0.03	7.75
74	t	4-Bromophenyl-phenylether	0.206	0.264	-28.2#	142	0.04	8.06
75	t	Hexachlorobenzene	0.232	0.297	-28.0#	145	0.04	8.16
76	t	Pentachlorophenol	0.148	0.047#	68.2#	32#	0.04	8.47
77	t	Phenanthrene	1.012	1.055	-4.2	119	0.05	8.76
78	t	Anthracene	0.993	1.068	-7.6	120	0.05	8.84
79	t	Carbazole	0.940	1.029	-9.5	123	0.04	9.12
80	t	Di-n-butylphthalate	1.195	1.389	-16.2	120	0.05	9.79
81	t	Fluoranthene	1.199	1.375	-14.7	122	0.06	10.89
82	t	Octadecane	0.464	0.402	13.4	95	0.04	8.60

Continuing Calibration Summary

Job Number: JE1296 **Sample:** EP7621-CC7559
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** P163306.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

83	I	Chrysene-d12	1.000	1.000	0.0	124	0.07	14.00
84	t	Benzidine	0.731	0.477	34.7#	73	0.06	11.23
85	t	Pyrene	1.357	1.304	3.9	120	0.06	11.33
86	S	Terphenyl-d14	0.959	0.985	-2.7	125	0.06	11.75
87	t	Butylbenzylphthalate	0.517	0.626	-21.1#	128	0.05	12.91
88	t	Benzo[a]anthracene	1.299	1.288	0.8	120	0.07	13.98
89	t	3,3'-Dichlorobenzidine	0.464	0.484	-4.3	125	0.06	14.01
90	t	Chrysene	1.212	1.152	5.0	120	0.07	14.06
91	t	bis(2-Ethylhexyl)phthalat	0.802	0.864	-7.7	119	0.05	14.32
92	I	Perylene-d12	1.000	1.000	0.0	112	0.09	17.08
93	t	Di-n-octylphthalate	1.208	1.424	-17.9	111	0.06	15.79
94	t	Benzo[b]fluoranthene	1.180	1.239	-5.0	114	0.09	16.34
95	t	Benzo[k]fluoranthene	1.148	1.164	-1.4	115	0.08	16.39
96	t	Benzo[a]pyrene	1.018	1.099	-8.0	116	0.08	16.97
97	t	Indeno[1,2,3-cd]pyrene	1.096	1.175	-7.2	115	0.08	19.08
98	t	Dibenz(a,h)acridine	0.918	0.956	-4.1	109	0.09	18.69
99	t	Dibenz[a,h]anthracene	1.062	1.066	-0.4	109	0.08	19.11
100	t	7,12-Dimethylbenz(a)anthr	0.405	0.545	-34.6#	135	0.07	16.30
101	t	Benzo[g,h,i]perylene	1.072	1.011	5.7	104	0.09	19.51

(#) = Out of Range SPCC's out = 0 CCC's out = 0
p163189.d MP7559.M Sun Dec 01 12:58:32 2024

8.8.18

8

Run Sequence Report

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: EF9895	**Method:** EPA 625.1	**Instrument ID:** GCMSF

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
EF9895-DFTPP	F222664.D	10/29/24 10:13	n/a	DFTPP Tune
EF9895-IC9895	F222673.D	10/29/24 13:30	n/a	Initial cal 1
EF9895-IC9895	F222674.D	10/29/24 13:52	n/a	Initial cal 2
EF9895-IC9895	F222675.D	10/29/24 14:15	n/a	Initial cal 5
EF9895-IC9895	F222676.D	10/29/24 14:38	n/a	Initial cal 10
EF9895-IC9895	F222677.D	10/29/24 15:01	n/a	Initial cal 25
EF9895-ICC9895	F222678.D	10/29/24 15:23	n/a	Initial cal 50
EF9895-IC9895	F222679.D	10/29/24 15:46	n/a	Initial cal 80
EF9895-IC9895	F222680.D	10/29/24 16:09	n/a	Initial cal 100
EF9895-IC9895	F222681.D	10/29/24 16:31	n/a	Initial cal 1
EF9895-IC9895	F222682.D	10/29/24 16:54	n/a	Initial cal 2
EF9895-IC9895	F222683.D	10/29/24 17:17	n/a	Initial cal 5
EF9895-IC9895	F222684.D	10/29/24 17:39	n/a	Initial cal 10
EF9895-IC9895	F222685.D	10/29/24 18:02	n/a	Initial cal 25
EF9895-IC9895	F222686.D	10/29/24 18:25	n/a	Initial cal 50
EF9895-IC9895	F222687.D	10/29/24 18:47	n/a	Initial cal 80
EF9895-IC9895	F222688.D	10/29/24 19:10	n/a	Initial cal 100
EF9895-ICV9895	F222689.D	10/29/24 19:33	n/a	Initial cal verification 50
EF9895-ICV9895	F222690.D	10/29/24 19:55	n/a	Initial cal verification 50
EF9895-ICV9895	F222691.D	10/29/24 20:18	n/a	Initial cal verification 50
EF9895-ICV9895	F222692.D	10/29/24 20:41	n/a	Initial cal verification 50
EF9895-ICV9895	F222695.D	10/29/24 21:49	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: EF9899	**Method:** EPA 625.1	**Instrument ID:** GCMSF

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
EF9899-DFTPP	F222732A.D	11/07/24 08:48	n/a	DFTPP Tune
EF9899-IC9899	F222733.D	11/07/24 09:00	n/a	Initial cal 1
EF9899-IC9899	F222734.D	11/07/24 09:23	n/a	Initial cal 2
EF9899-IC9899	F222735.D	11/07/24 09:46	n/a	Initial cal 5
EF9899-IC9899	F222736.D	11/07/24 10:10	n/a	Initial cal 10
EF9899-IC9899	F222737.D	11/07/24 10:33	n/a	Initial cal 25
EF9899-ICC9899	F222739.D	11/07/24 10:56	n/a	Initial cal 50
EF9899-IC9899	F222738.D	11/07/24 11:20	n/a	Initial cal 80
EF9899-IC9899	F222740.D	11/07/24 11:43	n/a	Initial cal 100
EF9899-ICV9899	F222741.D	11/07/24 12:06	n/a	Initial cal verification 50
EF9899-ICV9899	F222742.D	11/07/24 12:30	n/a	Initial cal verification 50
EF9899-ICV9899	F222743.D	11/07/24 12:53	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: EF9917	**Method:** SW846 8270E	**Instrument ID:** GCMSF

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
EF9917-DFTPP	F223201.D	11/29/24 11:47	n/a	DFTPP Tune
EF9917-CC9899	F223202.D	11/29/24 11:59	n/a	Continuing cal 50
EF9917-CC9895	F223203.D	11/29/24 12:22	n/a	Continuing cal 50
OP59772-MB1	F223205.D	11/29/24 13:10	OP59772	Method Blank
OP59717-MB1	F223206.D	11/29/24 13:33	OP59717	Method Blank
OP59717B-MB1	F223206.D	11/29/24 13:33	OP59717B	Method Blank
OP59717-BS1	F223207.D	11/29/24 13:55	OP59717	Blank Spike
OP59717B-BS1	F223207.D	11/29/24 13:55	OP59717B	Blank Spike
OP59717-BSD	F223208.D	11/29/24 14:18	OP59717	Blank Spike Duplicate
OP59717B-BSD	F223208.D	11/29/24 14:18	OP59717B	Blank Spike Duplicate
OP59772-BS1	F223209.D	11/29/24 14:41	OP59772	Blank Spike
OP59772-BSD	F223210.D	11/29/24 15:03	OP59772	Blank Spike Duplicate
JE1296-12	F223211.D	11/29/24 15:26	OP59717	FB-1
ZZZZZZ	F223213.D	11/29/24 16:11	OP59772	(unrelated sample)
ZZZZZZ	F223214.D	11/29/24 16:34	OP59772	(unrelated sample)
ZZZZZZ	F223215.D	11/29/24 16:57	OP59772	(unrelated sample)
ZZZZZZ	F223216.D	11/29/24 17:19	OP59772	(unrelated sample)
ZZZZZZ	F223217.D	11/29/24 17:42	OP59772	(unrelated sample)
ZZZZZZ	F223218.D	11/29/24 18:05	OP59772	(unrelated sample)
ZZZZZZ	F223219.D	11/29/24 18:28	OP59772	(unrelated sample)
ZZZZZZ	F223220.D	11/29/24 18:50	OP59772	(unrelated sample)
ZZZZZZ	F223221.D	11/29/24 19:13	OP59772	(unrelated sample)
ZZZZZZ	F223222.D	11/29/24 19:36	OP59772	(unrelated sample)
ZZZZZZ	F223223.D	11/29/24 19:59	OP59772	(unrelated sample)
ZZZZZZ	F223224.D	11/29/24 20:22	OP59772	(unrelated sample)
ZZZZZZ	F223225.D	11/29/24 20:44	OP59772	(unrelated sample)
ZZZZZZ	F223226.D	11/29/24 21:07	OP59772	(unrelated sample)

Run Sequence Report

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: EP7559	**Method:** SW846 8270E	**Instrument ID:** GCMSP

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
EP7559-DFTPP	P161761.D	09/16/24 11:29	n/a	DFTPP Tune
EP7559-ICC7559	P161762.D	09/16/24 11:39	n/a	Initial cal 50
EP7559-IC7559	P161763.D	09/16/24 12:05	n/a	Initial cal 1
EP7559-IC7559	P161764.D	09/16/24 12:29	n/a	Initial cal 2
EP7559-IC7559	P161765.D	09/16/24 12:54	n/a	Initial cal 5
EP7559-IC7559	P161766.D	09/16/24 13:18	n/a	Initial cal 10
EP7559-IC7559	P161767.D	09/16/24 13:43	n/a	Initial cal 25
EP7559-IC7559	P161768.D	09/16/24 14:08	n/a	Initial cal 80
EP7559-IC7559	P161769.D	09/16/24 14:33	n/a	Initial cal 100
EP7559-ICV7559	P161770.D	09/16/24 14:58	n/a	Initial cal verification 50
EP7559-ICV7559	P161771.D	09/16/24 15:23	n/a	Initial cal verification 50
EP7559-ICV7559	P161772.D	09/16/24 15:47	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: EP7561	**Method:** SW846 8270E	**Instrument ID:** GCMSP

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
EP7561-DFTPP	P161777.D	09/18/24 14:23	n/a	DFTPP Tune
EP7561-ICV7559	P161778.D	09/18/24 16:42	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: EP7621	**Method:** SW846 8270E	**Instrument ID:** GCMSP

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
EP7621-CC7559	P163306.D	11/29/24 10:22	n/a	Continuing cal 50
OP59724-MB1	P163308.D	11/29/24 11:14	OP59724	Method Blank
OP59724-BS1	P163309.D	11/29/24 11:39	OP59724	Blank Spike
JE1296-2	P163310.D	11/29/24 12:03	OP59724	GRID-26(2.0-2.5)
JE1296-4	P163311.D	11/29/24 12:28	OP59724	GRID-26-N1
JE1296-6	P163312.D	11/29/24 12:52	OP59724	GRID-26-S1
JE1296-8	P163313.D	11/29/24 13:17	OP59724	GRID-26-E1
JE1296-10	P163314.D	11/29/24 13:41	OP59724	GRID-26-W1
JE1296-16	P163315.D	11/29/24 14:06	OP59724	GRID-28-N1
JE1296-20	P163316.D	11/29/24 14:31	OP59724	GRID-28 E1
JE1296-24	P163317.D	11/29/24 14:55	OP59724	DUP-1
JE1296-26	P163318.D	11/29/24 15:20	OP59724	GRID-16(2.0-2.5)
JE1296-28	P163319.D	11/29/24 15:45	OP59724	GRID-16-N1
JE1296-30	P163320.D	11/29/24 16:09	OP59724	GRID-16-S1
JE1296-32	P163321.D	11/29/24 16:34	OP59724	GRID-16-E1
JE1296-34	P163322.D	11/29/24 16:59	OP59724	GRID-16-W1
JE1296-36	P163323.D	11/29/24 17:23	OP59724	DUP-2
JE1296-38	P163324.D	11/29/24 17:48	OP59724	GRID-18(2.0-2.5)
JE1296-14	P163325.D	11/29/24 18:13	OP59724	GRID-28(2.0-2.5)
OP59724-MS	P163326.D	11/29/24 18:37	OP59724	Matrix Spike
OP59724-MSD	P163327.D	11/29/24 19:02	OP59724	Matrix Spike Duplicate

MS Semi-volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\danielas\ep7621\
Data File : p163310.d
Acq On : 29 Nov 2024 12:03 pm
Operator : kristis
Sample : je1296-2 Inst : GCMSP
Misc : op59724,ep7621,30.6,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 01 13:38:35 2024
Quant Method : X:\Dayton SVOA GCMS\danielas\METHODS\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Dec 01 13:06:54 2024
Response via : Initial Calibration

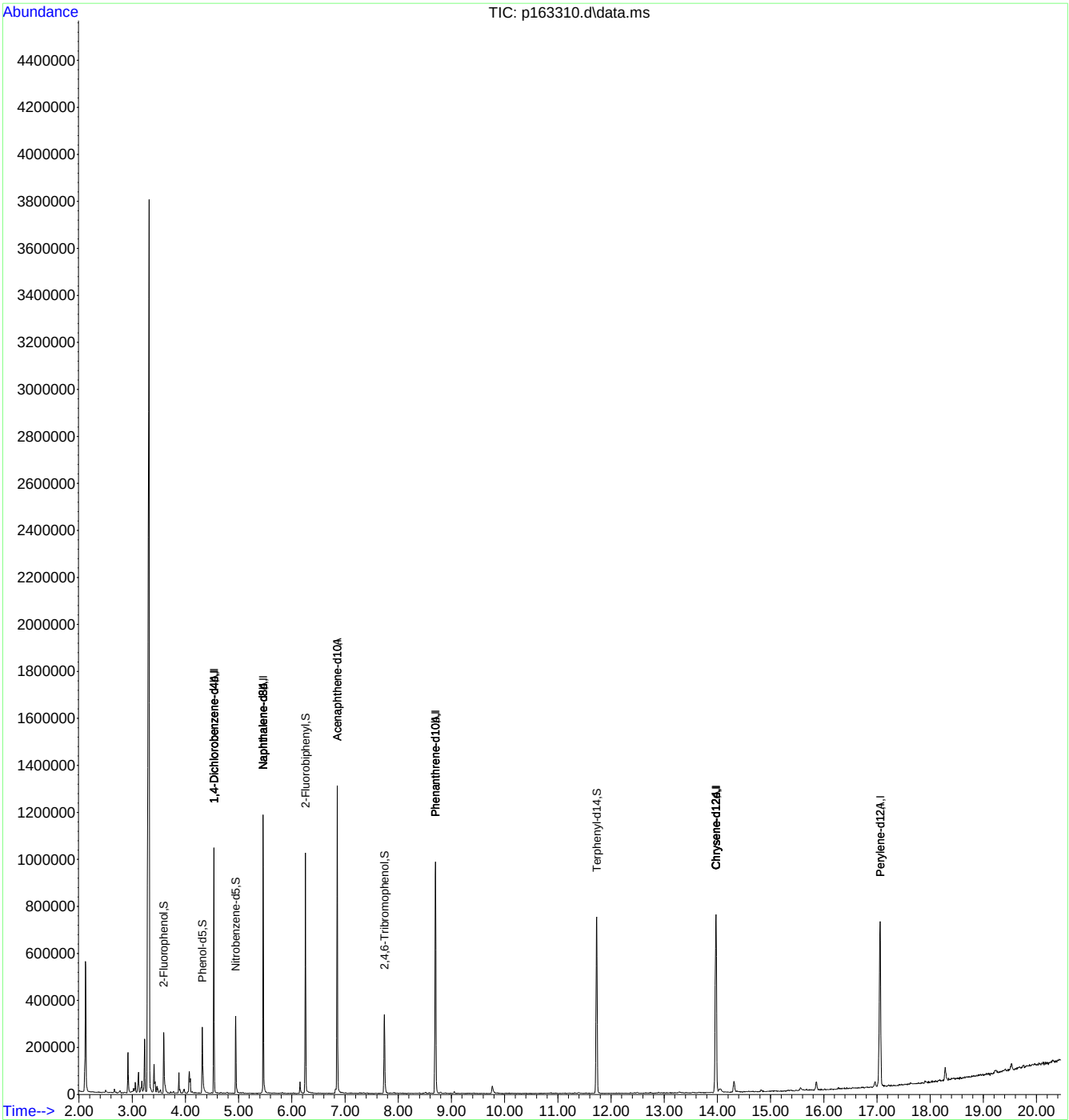
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.536	152	122118	40.00	ppm	0.00
24) Naphthalene-d8	5.460	136	434764	40.00	ppm	0.00
46) Acenaphthene-d10	6.854	164	245593	40.00	ppm	0.00
69) Phenanthrene-d10	8.703	188	453590	40.00	ppm	-0.01
83) Chrysene-d12	13.975	240	443778	40.00	ppm	-0.02
92) Perylene-d12	17.058	264	426303	40.00	ppm	-0.03
102) 1,4-Dichlorobenzene-d4A	4.536	152	122118	40.00	ppm	0.00
112) Naphthalene-d8A	5.460	136	434764	40.00	ppm	0.00
121) Acenaphthene-d10A	6.854	164	245593	40.00	ppm	0.00
132) Phenanthrene-d10A	8.703	188	453590	40.00	ppm	-0.01
147) Chrysene-d12A	13.975	240	443778	40.00	ppm	-0.02
154) Perylene-d12A	17.058	264	426303	40.00	ppm	-0.03
158) 1,4-Dichlorobenzene-d4b	4.536	152	122118	40.00	ppm	0.00
160) Phenanthrene-d10b	8.703	188	453590	40.00	ppm	-0.01
162) Naphthalene-d8b	5.460	136	434764	40.00	ppm	# 0.00
164) Naphthalene-d8c	5.460	136	434764	40.00	ppm	0.00
168) 1,4-Dichlorobenzene-d4c	4.536	152	122118	40.00	ppm	0.00
170) Chrysene-d12c	13.975	240	443778	40.00	ppm	-0.02
172) Chrysene-d12d	13.975	240	443778	40.00	ppm	-0.02
174) Naphthalene-d8d	5.460	136	434764	40.00	ppm	0.00
176) Chrysene-d12e	13.975	240	443778	40.00	ppm	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	3.590	112	71739	19.68	ppm	0.00
Spiked Amount 50.000			Recovery = 39.36%			
8) Phenol-d5	4.317	99	96008	21.94	ppm	0.00
Spiked Amount 50.000			Recovery = 43.88%			
25) Nitrobenzene-d5	4.947	82	87491	26.77	ppm	0.00
Spiked Amount 50.000			Recovery = 53.54%			
51) 2-Fluorobiphenyl	6.256	172	231118	27.23	ppm	0.00
Spiked Amount 50.000			Recovery = 54.46%			
73) 2,4,6-Tribromophenol	7.741	330	45094	41.51	ppm	0.00
Spiked Amount 50.000			Recovery = 83.02%			
86) Terphenyl-d14	11.732	244	364145	34.21	ppm	-0.02
Spiked Amount 50.000			Recovery = 68.42%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\danielas\ep7621\
Data File : p163310.d
Acq On : 29 Nov 2024 12:03 pm
Operator : kristis
Sample : je1296-2 Inst : GCMSP
Misc : op59724,ep7621,30.6,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 01 13:38:35 2024
Quant Method : X:\Dayton SVOA GCMS\danielas\METHODS\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Dec 01 13:06:54 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Jezreel Oblin
12/01/24 13:12

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\danielas\ep7621\
Data File : p163311.d
Acq On : 29 Nov 2024 12:28 pm
Operator : kristis
Sample : je1296-4 Inst : GCMSP
Misc : op59724,ep7621,30.7,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 01 13:46:09 2024
Quant Method : X:\Dayton SVOA GCMS\danielas\METHODS\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Dec 01 13:06:54 2024
Response via : Initial Calibration

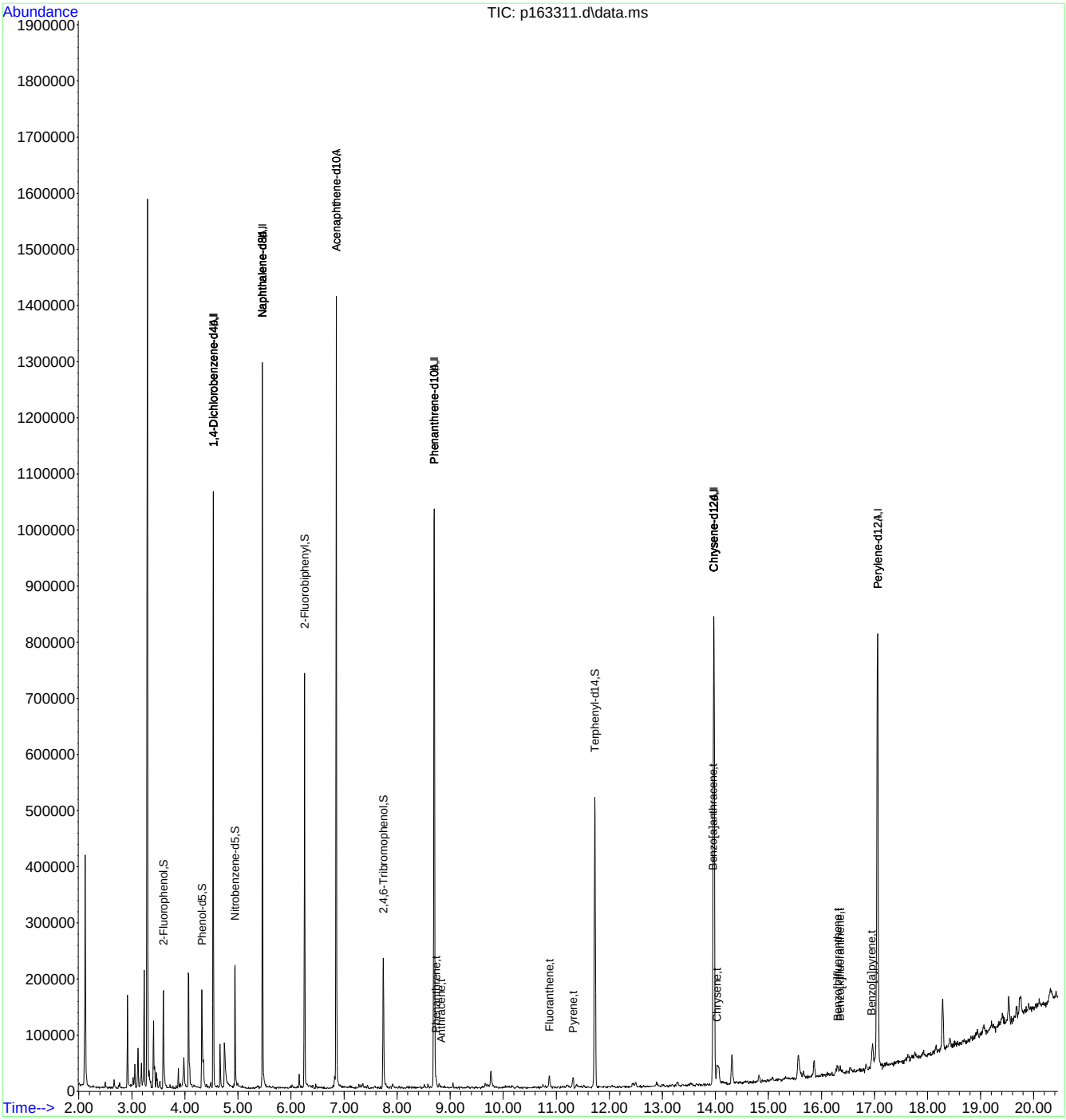
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.536	152	130577	40.00	ppm	0.00
24) Naphthalene-d8	5.460	136	456645	40.00	ppm	0.00
46) Acenaphthene-d10	6.854	164	264664	40.00	ppm	0.00
69) Phenanthrene-d10	8.702	188	483017	40.00	ppm	-0.01
83) Chrysene-d12	13.970	240	490448	40.00	ppm	-0.03
92) Perylene-d12	17.058	264	481852	40.00	ppm	-0.03
102) 1,4-Dichlorobenzene-d4A	4.536	152	130577	40.00	ppm	0.00
112) Naphthalene-d8A	5.460	136	456645	40.00	ppm	0.00
121) Acenaphthene-d10A	6.854	164	264664	40.00	ppm	0.00
132) Phenanthrene-d10A	8.702	188	483017	40.00	ppm	-0.01
147) Chrysene-d12A	13.970	240	490448	40.00	ppm	-0.03
154) Perylene-d12A	17.058	264	481852	40.00	ppm	-0.03
158) 1,4-Dichlorobenzene-d4b	4.536	152	130577	40.00	ppm	0.00
160) Phenanthrene-d10b	8.702	188	483017	40.00	ppm	-0.01
162) Naphthalene-d8b	5.460	136	456645	40.00	ppm	# 0.00
164) Naphthalene-d8c	5.460	136	456645	40.00	ppm	0.00
168) 1,4-Dichlorobenzene-d4c	4.536	152	130577	40.00	ppm	0.00
170) Chrysene-d12c	13.970	240	490448	40.00	ppm	-0.03
172) Chrysene-d12d	13.970	240	490448	40.00	ppm	-0.03
174) Naphthalene-d8d	5.460	136	456645	40.00	ppm	0.00
176) Chrysene-d12e	13.970	240	490448	40.00	ppm	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.595	112	50229	12.89	ppm	0.00
Spiked Amount 50.000			Recovery =	25.78%		
8) Phenol-d5	4.322	99	63134	13.50	ppm	0.01
Spiked Amount 50.000			Recovery =	27.00%		
25) Nitrobenzene-d5	4.947	82	58948	17.17	ppm	0.00
Spiked Amount 50.000			Recovery =	34.34%		
51) 2-Fluorobiphenyl	6.256	172	166237	18.17	ppm	0.00
Spiked Amount 50.000			Recovery =	36.34%		
73) 2,4,6-Tribromophenol	7.741	330	33281	28.77	ppm	0.00
Spiked Amount 50.000			Recovery =	57.54%		
86) Terphenyl-d14	11.726	244	254421	21.63	ppm	-0.02
Spiked Amount 50.000			Recovery =	43.26%		
Target Compounds						Qvalue
77) Phenanthrene	8.735	178	4879	0.3991	ppm	91
78) Anthracene	8.825	178	792	0.0661	ppm	63
81) Fluoranthene	10.871	202	11878	0.8205	ppm	70
85) Pyrene	11.315	202	10449	0.6282	ppm	98
88) Benzo[a]anthracene	13.954	228	7909m	0.4966	ppm	
90) Chrysene	14.029	228	4756	0.3201	ppm	86
94) Benzo[b]fluoranthene	16.304	252	7386	0.5196	ppm	83
95) Benzo[k]fluoranthene	16.353	252	3226	0.2333	ppm	91
96) Benzo[a]pyrene	16.940	252	4671	0.3809	ppm	86

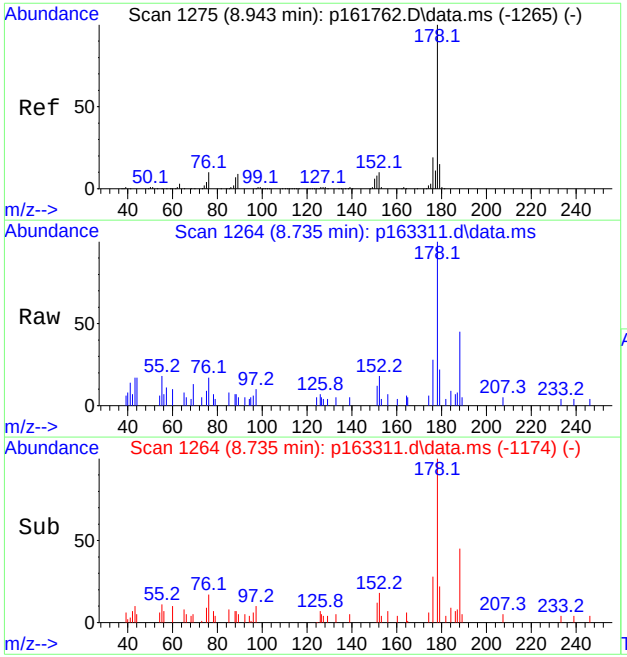
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\danielas\ep7621\
Data File : p163311.d
Acq On : 29 Nov 2024 12:28 pm
Operator : kristis
Sample : je1296-4 Inst : GCMSP
Misc : op59724,ep7621,30.7,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 01 13:46:09 2024
Quant Method : X:\Dayton SVOA GCMS\danielas\METHODS\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Dec 01 13:06:54 2024
Response via : Initial Calibration

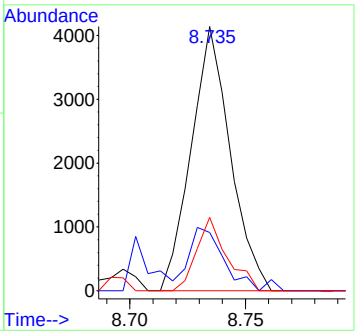


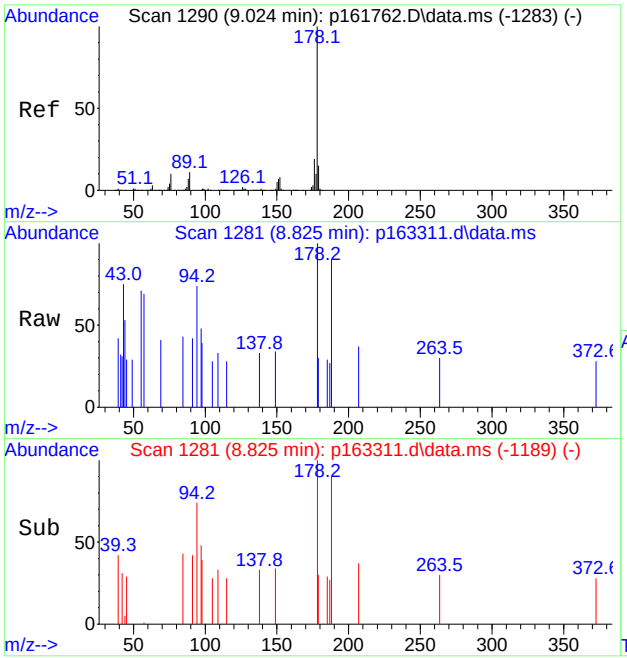


#77
Phenanthrene
Concen: 0.3991 ppm
RT: 8.735 min Scan# 1264
Delta R.T. -0.021 min
Lab File: p163311.d
Acq: 29 Nov 2024 12:28 pm

Tgt Ion:178 Resp: 4879

Ion	Ratio	Lower	Upper
178	100		
179	18.3	0.0	47.6
176	27.8	0.0	50.9

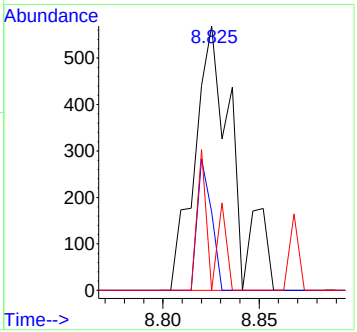


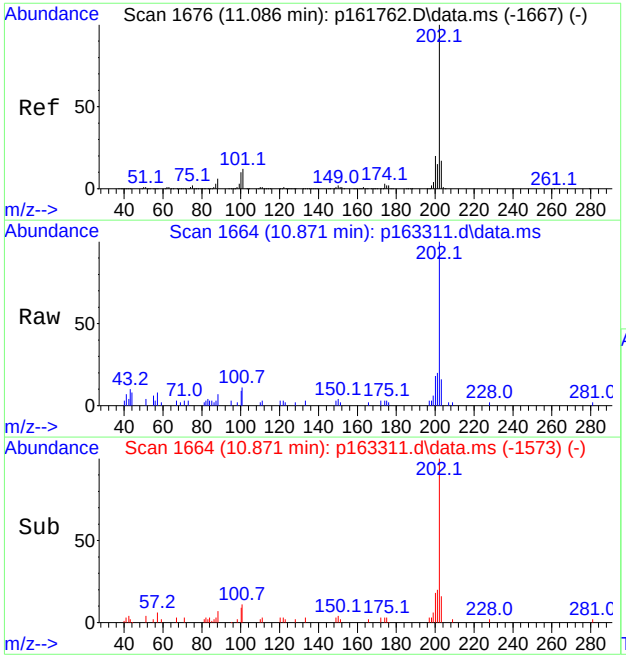


#78
Anthracene
Concen: 0.0661 ppm
RT: 8.825 min Scan# 1281
Delta R.T. -0.011 min
Lab File: p163311.d
Acq: 29 Nov 2024 12:28 pm

Tgt Ion:178 Resp: 792

Ion	Ratio	Lower	Upper
178	100		
179	29.7	0.0	47.5
176	0.0	0.0	50.5

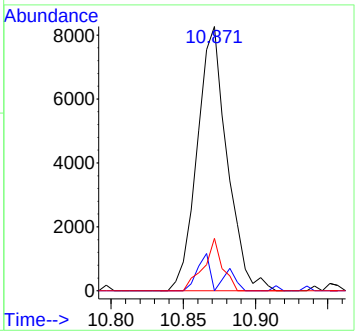


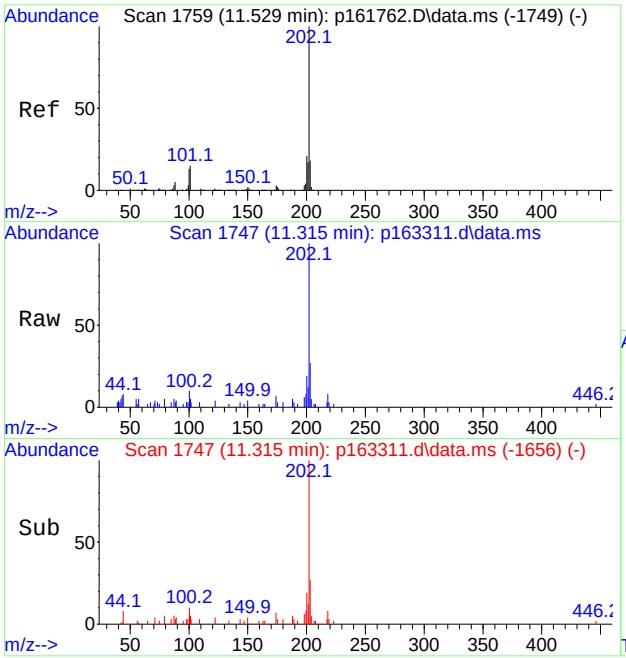


#81
Fluoranthene
Concen: 0.8205 ppm
RT: 10.871 min Scan# 1664
Delta R.T. -0.016 min
Lab File: p163311.d
Acq: 29 Nov 2024 12:28 pm

Tgt Ion:202 Resp: 11878

Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	41.3
100	19.9	0.0	38.8

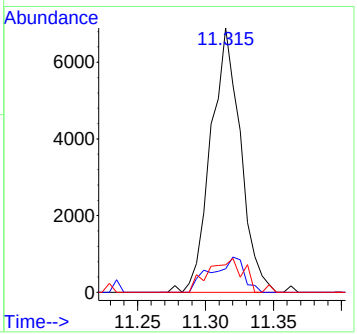


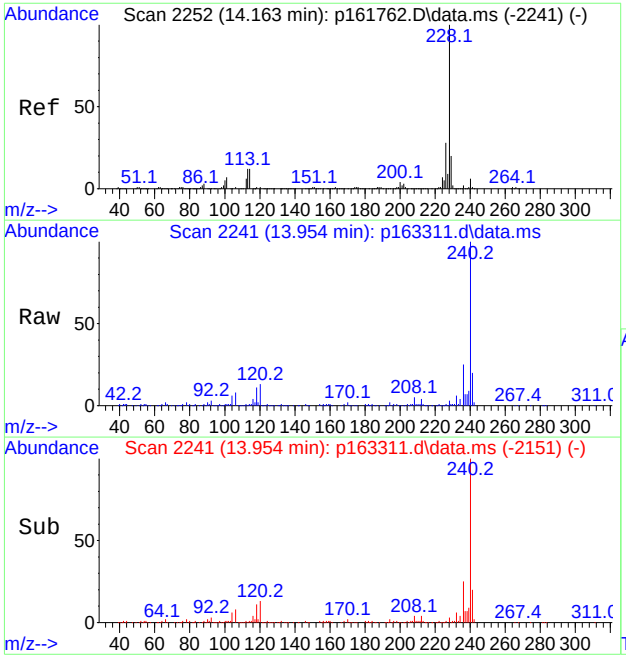


#85
Pyrene
Concen: 0.6282 ppm
RT: 11.315 min Scan# 1747
Delta R.T. -0.016 min
Lab File: p163311.d
Acq: 29 Nov 2024 12:28 pm

Tgt Ion:202 Resp: 10449

Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	42.8
100	10.4	0.0	40.8

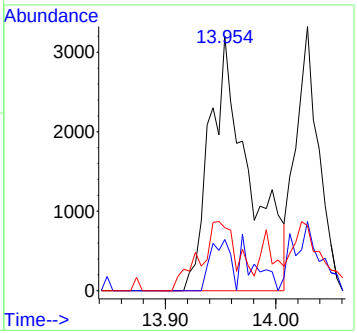


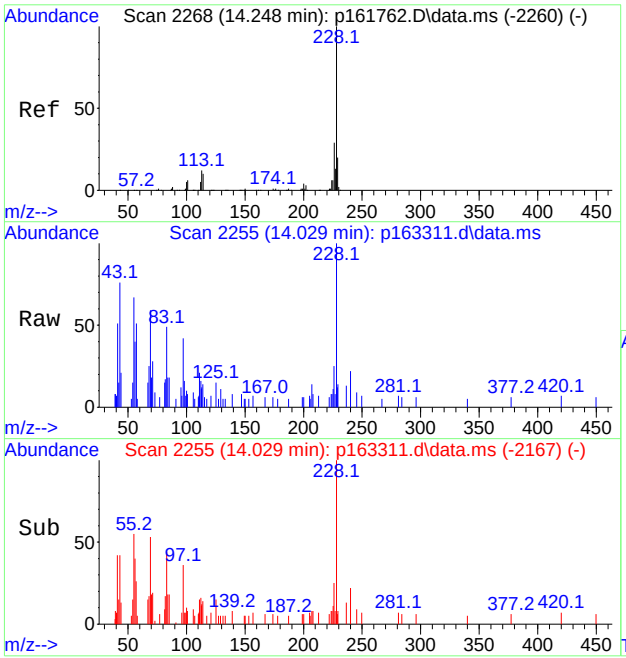


#88
Benzo[a]anthracene
Concen: 0.4966 ppm m
RT: 13.954 min Scan# 2241
Delta R.T. -0.021 min
Lab File: p163311.d
Acq: 29 Nov 2024 12:28 pm

Tgt Ion:228 Resp: 7909

Ion	Ratio	Lower	Upper
228	100		
229	20.1	0.0	51.8
226	24.8	0.0	59.7

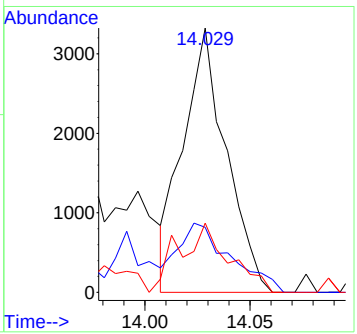


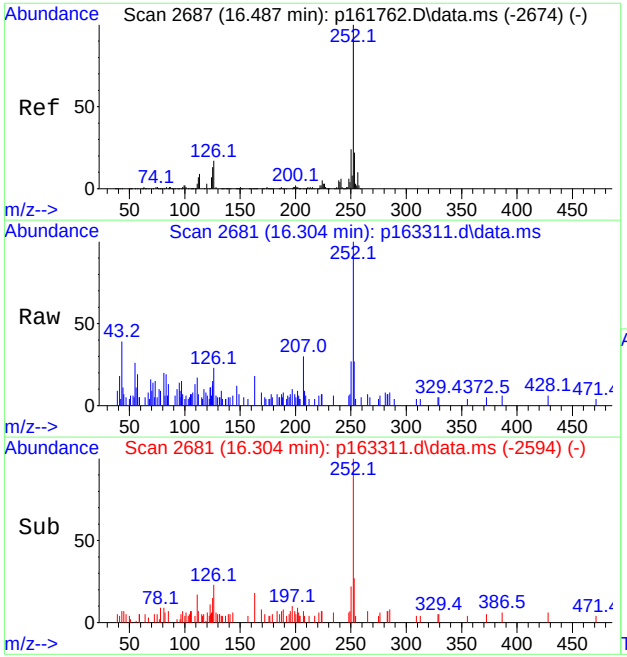


#90
Chrysene
Concen: 0.3201 ppm
RT: 14.029 min Scan# 2255
Delta R.T. -0.032 min
Lab File: p163311.d
Acq: 29 Nov 2024 12:28 pm

Tgt Ion:228 Resp: 4756

Ion	Ratio	Lower	Upper
228	100		
226	22.9	1.2	61.2
229	27.1	0.0	51.1

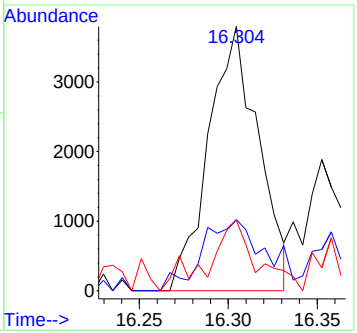


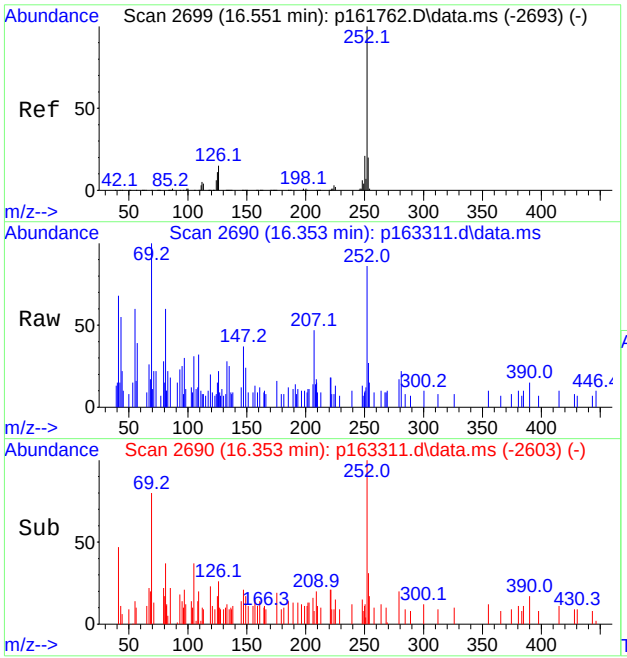


#94
Benzo[b]fluoranthene
Concen: 0.5196 ppm
RT: 16.304 min Scan# 2681
Delta R.T. -0.038 min
Lab File: p163311.d
Acq: 29 Nov 2024 12:28 pm

Tgt Ion:252 Resp: 7386

Ion	Ratio	Lower	Upper
252	100		
253	20.1	0.0	53.5
125	25.2	0.0	39.8

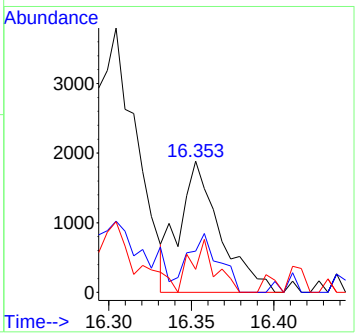


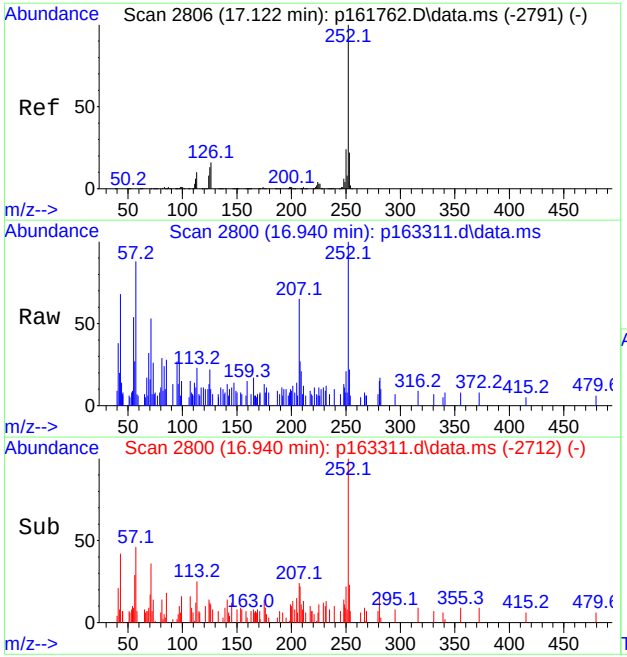


#95
Benzo[k]fluoranthene
Concen: 0.2333 ppm
RT: 16.353 min Scan# 2690
Delta R.T. -0.037 min
Lab File: p163311.d
Acq: 29 Nov 2024 12:28 pm

Tgt Ion:252 Resp: 3226

Ion	Ratio	Lower	Upper
252	100		
253	17.1	0.0	53.6
125	12.0	0.0	41.8

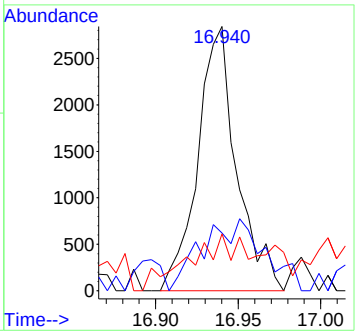




#96
Benzo[a]pyrene
Concen: 0.3809 ppm
RT: 16.940 min Scan# 2800
Delta R.T. -0.032 min
Lab File: p163311.d
Acq: 29 Nov 2024 12:28 pm

Tgt Ion:252 Resp: 4671

Ion	Ratio	Lower	Upper
252	100		
253	12.4	0.0	52.8
125	11.6	0.0	41.9



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\danielas\ep7621\
Data File : p163312.d
Acq On : 29 Nov 2024 12:52 pm
Operator : kristis
Sample : je1296-6 Inst : GCMSP
Misc : op59724,ep7621,30.8,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 01 13:51:12 2024
Quant Method : X:\Dayton SVOA GCMS\danielas\METHODS\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Dec 01 13:06:54 2024
Response via : Initial Calibration

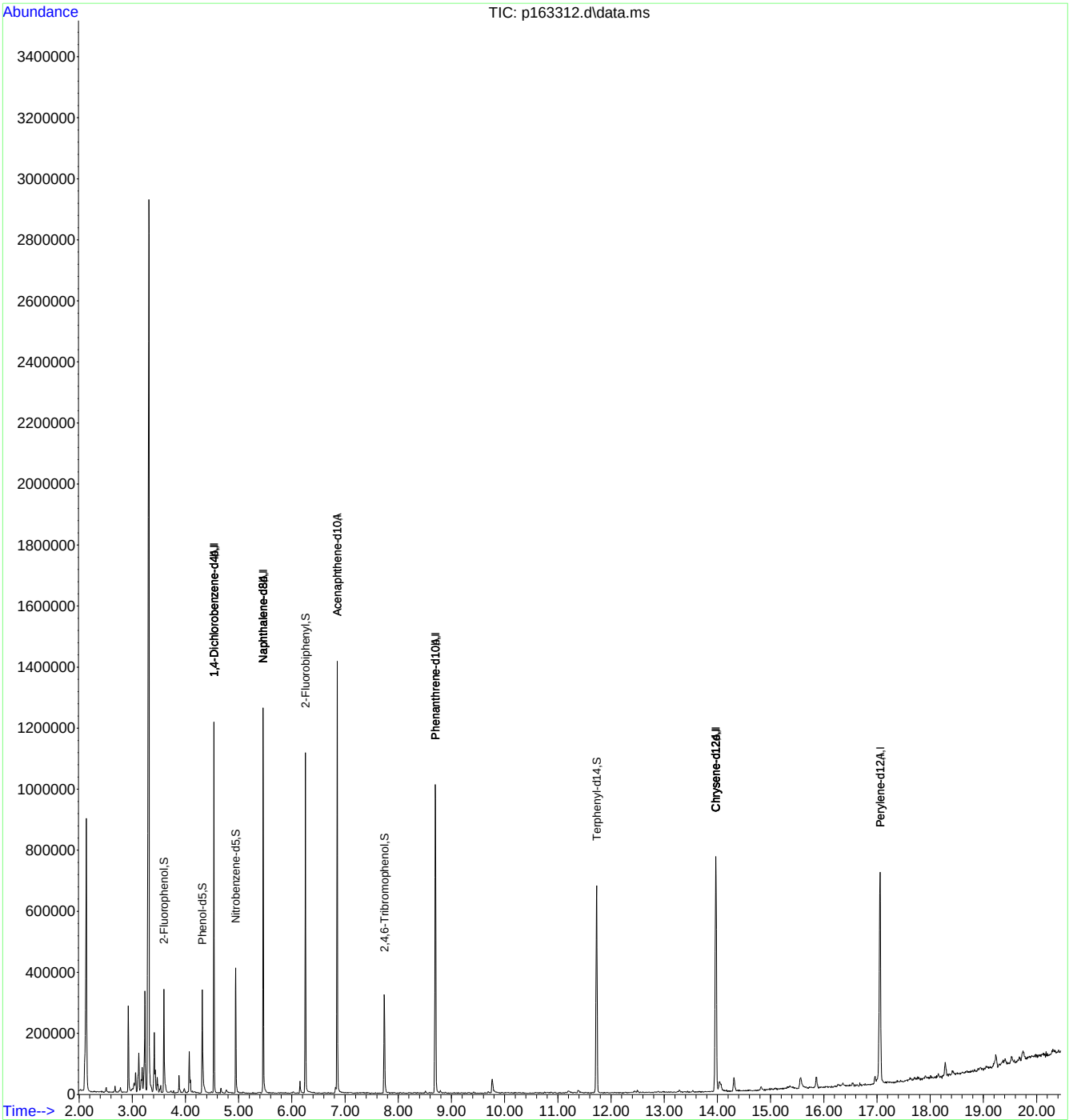
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.535	152	131065	40.00	ppm	0.00
24) Naphthalene-d8	5.460	136	451609	40.00	ppm	0.00
46) Acenaphthene-d10	6.854	164	255188	40.00	ppm	0.00
69) Phenanthrene-d10	8.697	188	458375	40.00	ppm	-0.02
83) Chrysene-d12	13.970	240	436598	40.00	ppm	-0.03
92) Perylene-d12	17.058	264	403654	40.00	ppm	-0.03
102) 1,4-Dichlorobenzene-d4A	4.535	152	131065	40.00	ppm	0.00
112) Naphthalene-d8A	5.460	136	451609	40.00	ppm	0.00
121) Acenaphthene-d10A	6.854	164	255188	40.00	ppm	0.00
132) Phenanthrene-d10A	8.697	188	458375	40.00	ppm	-0.02
147) Chrysene-d12A	13.970	240	436598	40.00	ppm	-0.03
154) Perylene-d12A	17.058	264	403654	40.00	ppm	-0.03
158) 1,4-Dichlorobenzene-d4b	4.535	152	131065	40.00	ppm	0.00
160) Phenanthrene-d10b	8.697	188	458375	40.00	ppm	-0.02
162) Naphthalene-d8b	5.460	136	451609	40.00	ppm	# 0.00
164) Naphthalene-d8c	5.460	136	451609	40.00	ppm	0.00
168) 1,4-Dichlorobenzene-d4c	4.535	152	131065	40.00	ppm	0.00
170) Chrysene-d12c	13.970	240	436598	40.00	ppm	-0.03
172) Chrysene-d12d	13.970	240	436598	40.00	ppm	-0.03
174) Naphthalene-d8d	5.460	136	451609	40.00	ppm	0.00
176) Chrysene-d12e	13.970	240	436598	40.00	ppm	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.595	112	84787	21.68	ppm	0.00
Spiked Amount 50.000			Recovery = 43.36%			
8) Phenol-d5	4.316	99	105550	22.48	ppm	0.00
Spiked Amount 50.000			Recovery = 44.96%			
25) Nitrobenzene-d5	4.947	82	101680	29.95	ppm	0.00
Spiked Amount 50.000			Recovery = 59.90%			
51) 2-Fluorobiphenyl	6.256	172	246875	27.99	ppm	0.00
Spiked Amount 50.000			Recovery = 55.98%			
73) 2,4,6-Tribromophenol	7.741	330	43775	39.87	ppm	0.00
Spiked Amount 50.000			Recovery = 79.74%			
86) Terphenyl-d14	11.731	244	329923	31.51	ppm	-0.02
Spiked Amount 50.000			Recovery = 63.02%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\danielas\ep7621\
Data File : p163312.d
Acq On : 29 Nov 2024 12:52 pm
Operator : kristis
Sample : je1296-6 Inst : GCMSP
Misc : op59724,ep7621,30.8,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 01 13:51:12 2024
Quant Method : X:\Dayton SVOA GCMS\danielas\METHODS\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Dec 01 13:06:54 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Jezreel Oblin
12/01/24 13:12

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\danielas\ep7621\
Data File : p163313.d
Acq On : 29 Nov 2024 1:17 pm
Operator : kristis
Sample : je1296-8 Inst : GCMSP
Misc : op59724,ep7621,30.7,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 01 13:57:23 2024
Quant Method : X:\Dayton SVOA GCMS\danielas\METHODS\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Dec 01 13:06:54 2024
Response via : Initial Calibration

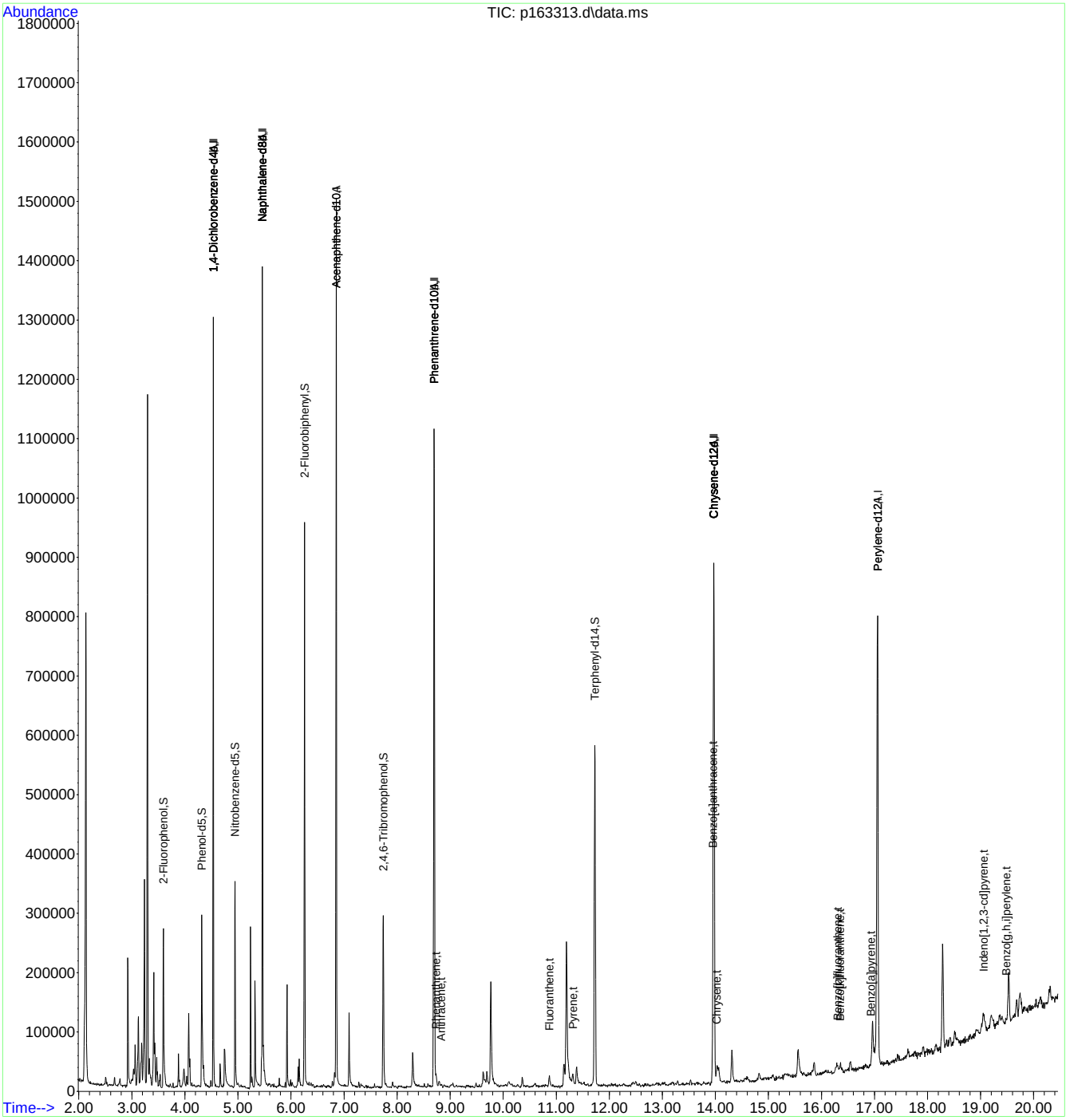
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.536	152	139016	40.00	ppm	0.00
24) Naphthalene-d8	5.460	136	479080	40.00	ppm	0.00
46) Acenaphthene-d10	6.854	164	274691	40.00	ppm	0.00
69) Phenanthrene-d10	8.697	188	512255	40.00	ppm	-0.02
83) Chrysene-d12	13.970	240	497951	40.00	ppm	-0.03
92) Perylene-d12	17.058	264	457386	40.00	ppm	-0.03
102) 1,4-Dichlorobenzene-d4A	4.536	152	139016	40.00	ppm	0.00
112) Naphthalene-d8A	5.460	136	479080	40.00	ppm	0.00
121) Acenaphthene-d10A	6.854	164	274691	40.00	ppm	0.00
132) Phenanthrene-d10A	8.697	188	512255	40.00	ppm	-0.02
147) Chrysene-d12A	13.970	240	497951	40.00	ppm	-0.03
154) Perylene-d12A	17.058	264	457386	40.00	ppm	-0.03
158) 1,4-Dichlorobenzene-d4b	4.536	152	139016	40.00	ppm	0.00
160) Phenanthrene-d10b	8.697	188	512255	40.00	ppm	-0.02
162) Naphthalene-d8b	5.460	136	479080	40.00	ppm	# 0.00
164) Naphthalene-d8c	5.460	136	479080	40.00	ppm	0.00
168) 1,4-Dichlorobenzene-d4c	4.536	152	139016	40.00	ppm	0.00
170) Chrysene-d12c	13.970	240	497951	40.00	ppm	-0.03
172) Chrysene-d12d	13.970	240	497951	40.00	ppm	-0.03
174) Naphthalene-d8d	5.460	136	479080	40.00	ppm	0.00
176) Chrysene-d12e	13.970	240	497951	40.00	ppm	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.595	112	74696	18.00	ppm	0.00
Spiked Amount 50.000			Recovery = 36.00%			
8) Phenol-d5	4.317	99	89196	17.91	ppm	0.00
Spiked Amount 50.000			Recovery = 35.82%			
25) Nitrobenzene-d5	4.947	82	85700	23.79	ppm	0.00
Spiked Amount 50.000			Recovery = 47.58%			
51) 2-Fluorobiphenyl	6.256	172	215393	22.69	ppm	0.00
Spiked Amount 50.000			Recovery = 45.38%			
73) 2,4,6-Tribromophenol	7.741	330	40093	32.68	ppm	0.00
Spiked Amount 50.000			Recovery = 65.36%			
86) Terphenyl-d14	11.726	244	288876	24.19	ppm	-0.02
Spiked Amount 50.000			Recovery = 48.38%			
Target Compounds						Qvalue
77) Phenanthrene	8.735	178	4694	0.3621	ppm	89
78) Anthracene	8.825	178	1037	0.0816	ppm	58
81) Fluoranthene	10.871	202	9550	0.6221	ppm	93
85) Pyrene	11.315	202	7947	0.4706	ppm	96
88) Benzo[a]anthracene	13.954	228	5897	0.3647	ppm	74
90) Chrysene	14.023	228	5118	0.3392	ppm	84
94) Benzo[b]fluoranthene	16.305	252	6716	0.4977	ppm	60
95) Benzo[k]fluoranthene	16.353	252	2311m	0.1761	ppm	
96) Benzo[a]pyrene	16.935	252	4148	0.3563	ppm	90
97) Indeno[1,2,3-cd]pyrene	19.056	276	3392	0.2706	ppm	92
101) Benzo[g,h,i]perylene	19.483	276	2794	0.2280	ppm	84

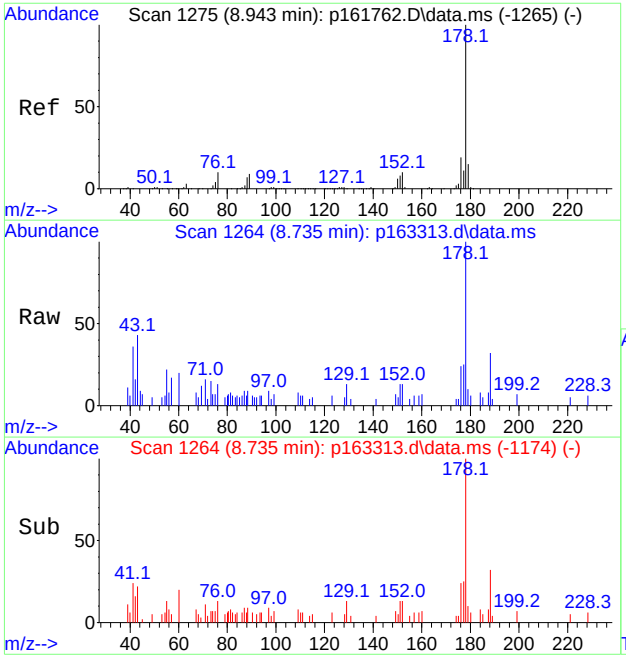
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\danielas\ep7621\
Data File : p163313.d
Acq On : 29 Nov 2024 1:17 pm
Operator : kristis
Sample : je1296-8 Inst : GCMSP
Misc : op59724,ep7621,30.7,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 01 13:57:23 2024
Quant Method : X:\Dayton SVOA GCMS\danielas\METHODS\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Dec 01 13:06:54 2024
Response via : Initial Calibration

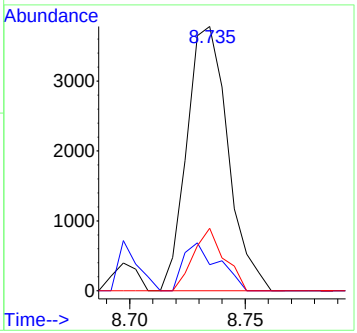


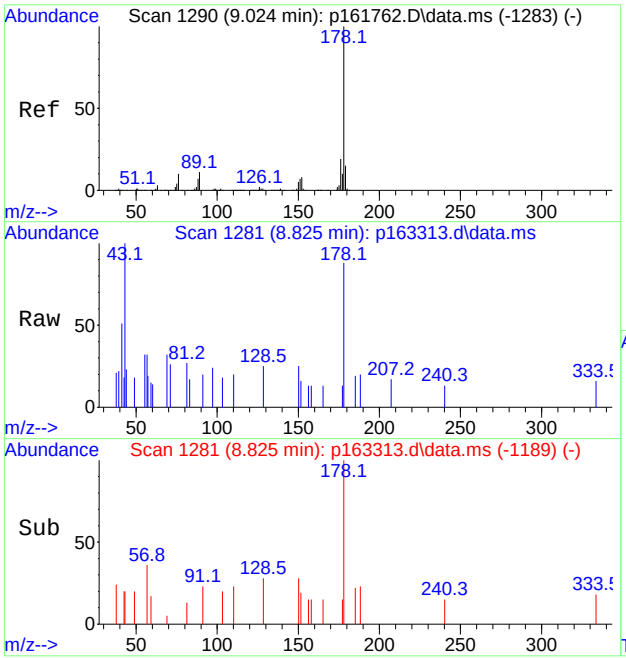


#77
Phenanthrene
Concen: 0.3621 ppm
RT: 8.735 min Scan# 1264
Delta R.T. -0.021 min
Lab File: p163313.d
Acq: 29 Nov 2024 1:17 pm

Tgt Ion:178 Resp: 4694

Ion	Ratio	Lower	Upper
178	100		
179	9.9	0.0	47.6
176	23.6	0.0	50.9

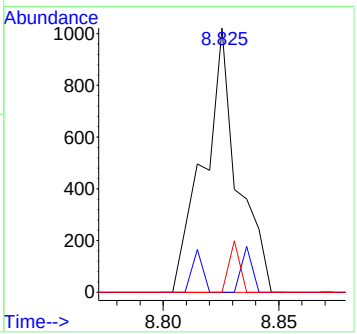


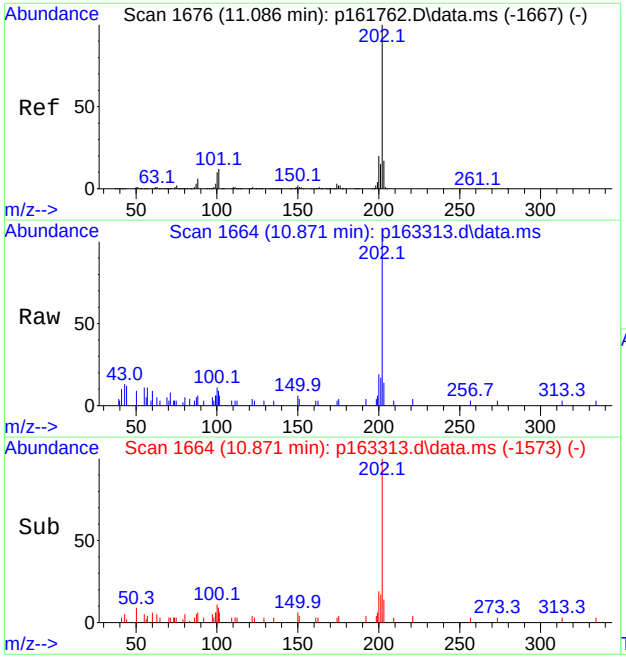


#78
Anthracene
Concen: 0.0816 ppm
RT: 8.825 min Scan# 1281
Delta R.T. -0.011 min
Lab File: p163313.d
Acq: 29 Nov 2024 1:17 pm

Tgt Ion:178 Resp: 1037

Ion	Ratio	Lower	Upper
178	100		
179	0.0	0.0	47.5
176	0.0	0.0	50.5

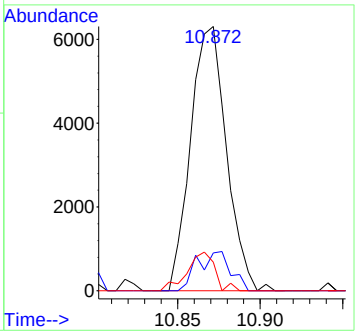


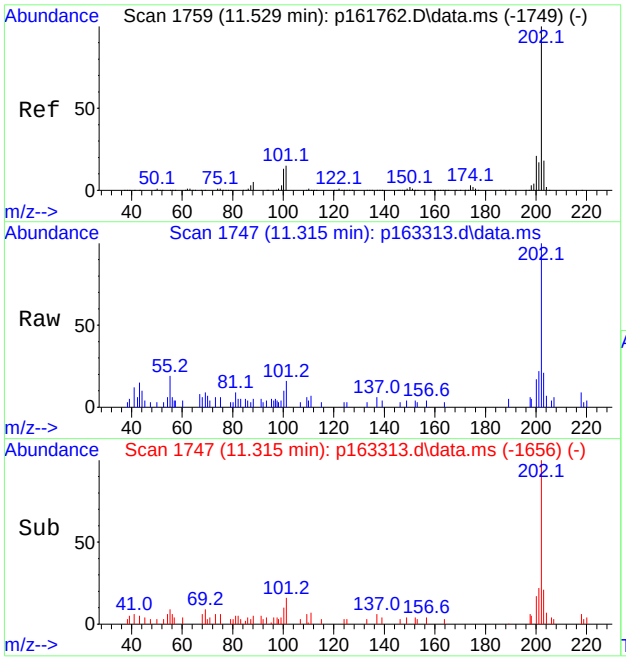


#81
Fluoranthene
Concen: 0.6221 ppm
RT: 10.871 min Scan# 1664
Delta R.T. -0.016 min
Lab File: p163313.d
Acq: 29 Nov 2024 1:17 pm

Tgt Ion:202 Resp: 9550

Ion	Ratio	Lower	Upper
202	100		
101	14.4	0.0	41.3
100	10.8	0.0	38.8

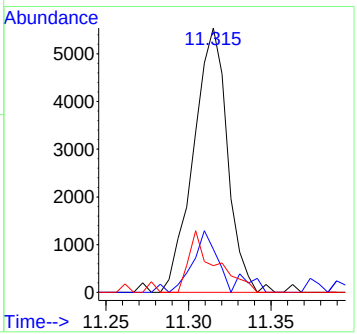


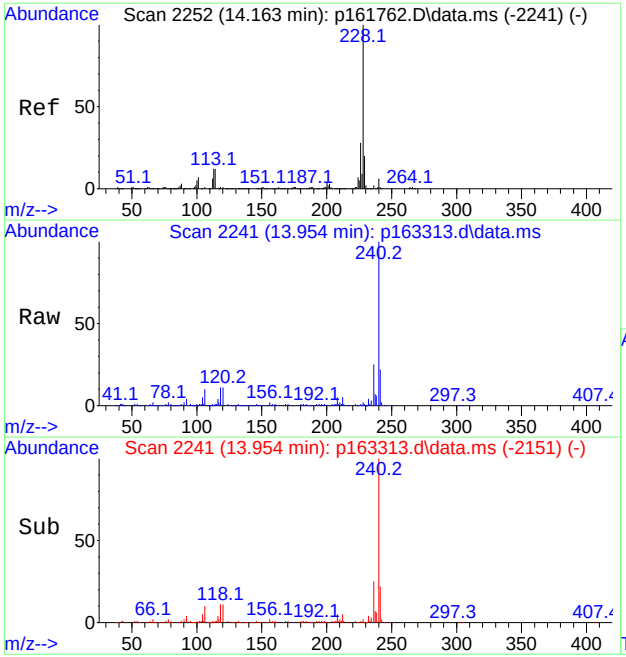


#85
Pyrene
Concen: 0.4706 ppm
RT: 11.315 min Scan# 1747
Delta R.T. -0.016 min
Lab File: p163313.d
Acq: 29 Nov 2024 1:17 pm

Tgt Ion:202 Resp: 7947

Ion	Ratio	Lower	Upper
202	100		
101	14.8	0.0	42.8
100	10.1	0.0	40.8

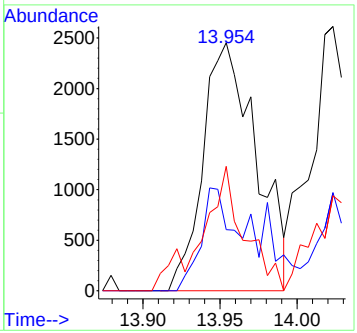


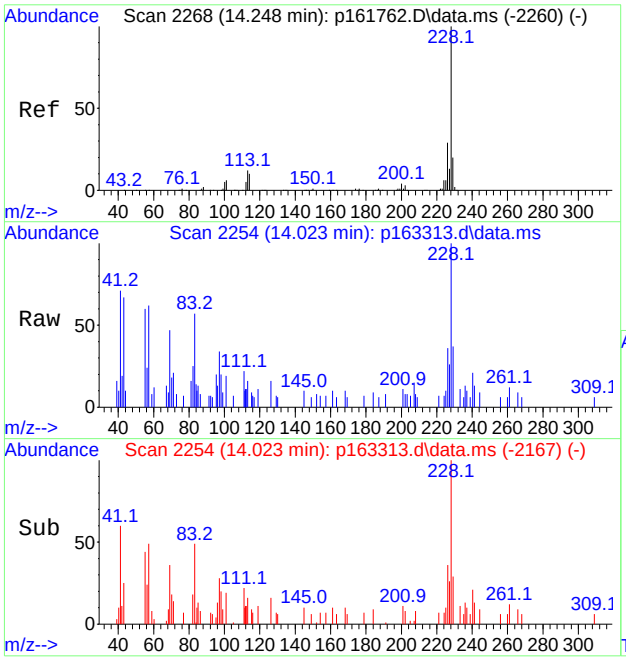


#88
Benzo[a]anthracene
Concen: 0.3647 ppm
RT: 13.954 min Scan# 2241
Delta R.T. -0.021 min
Lab File: p163313.d
Acq: 29 Nov 2024 1:17 pm

Tgt Ion:228 Resp: 5897

Ion	Ratio	Lower	Upper
228	100		
229	19.4	0.0	51.8
226	52.2	0.0	59.7

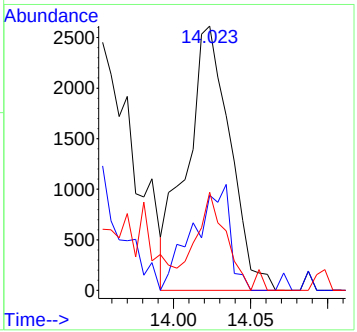


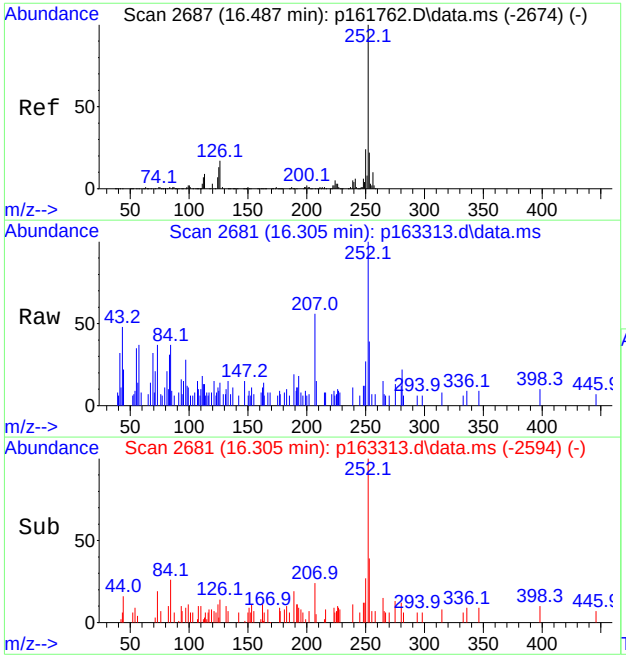


#90
Chrysene
Concen: 0.3392 ppm
RT: 14.023 min Scan# 2254
Delta R.T. -0.037 min
Lab File: p163313.d
Acq: 29 Nov 2024 1:17 pm

Tgt Ion:228 Resp: 5118

Ion	Ratio	Lower	Upper
228	100		
226	36.3	1.2	61.2
229	33.7	0.0	51.1

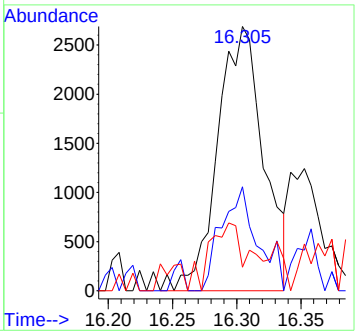


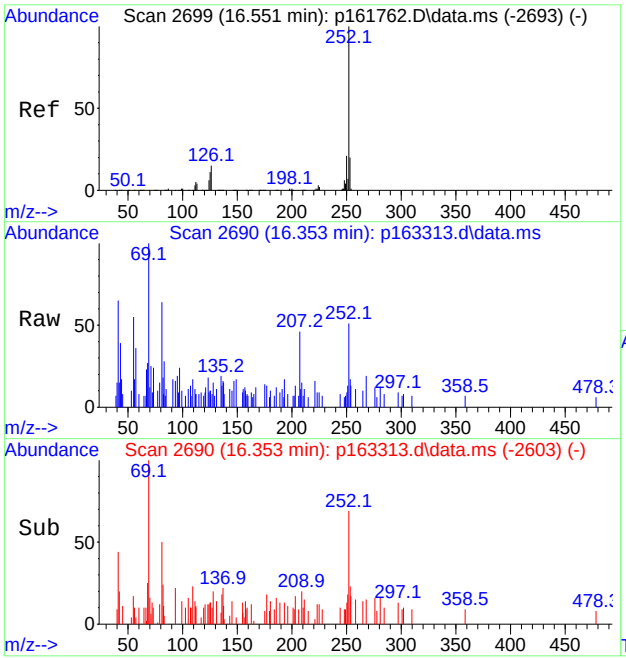


#94
Benzo[b]fluoranthene
Concen: 0.4977 ppm
RT: 16.305 min Scan# 2681
Delta R.T. -0.037 min
Lab File: p163313.d
Acq: 29 Nov 2024 1:17 pm

Tgt Ion:252 Resp: 6716

Ion	Ratio	Lower	Upper
252	100		
253	46.0	0.0	53.5
125	0.0	0.0	39.8

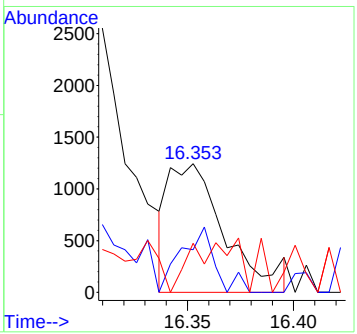


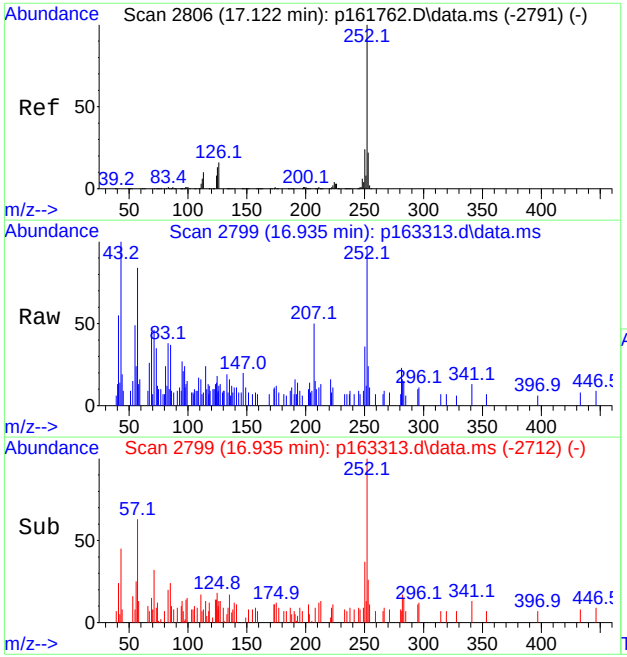


#95
Benzo[k]fluoranthene
Concen: 0.1761 ppm m
RT: 16.353 min Scan# 2690
Delta R.T. -0.037 min
Lab File: p163313.d
Acq: 29 Nov 2024 1:17 pm

Tgt Ion:252 Resp: 2311

Ion	Ratio	Lower	Upper
252	100		
253	33.2	0.0	53.6
125	19.4	0.0	41.8

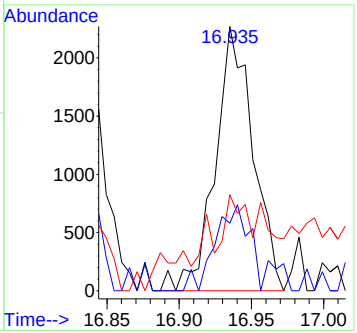


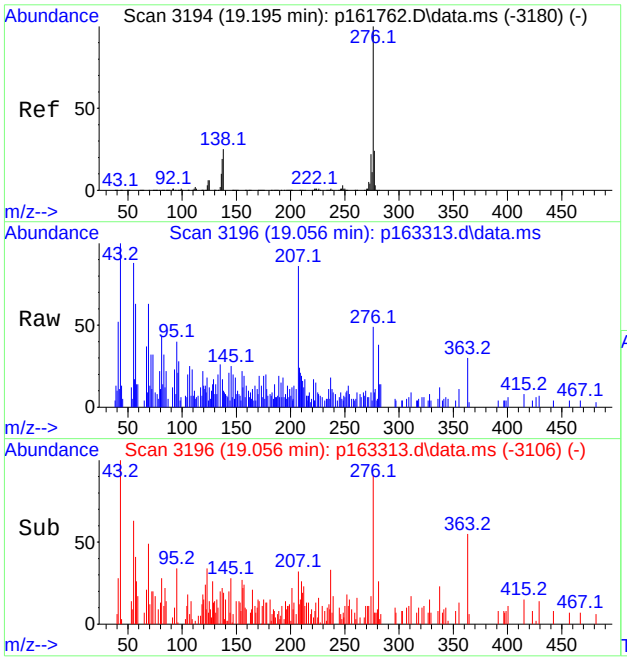


#96
Benzo[a]pyrene
Concen: 0.3563 ppm
RT: 16.935 min Scan# 2799
Delta R.T. -0.037 min
Lab File: p163313.d
Acq: 29 Nov 2024 1:17 pm

Tgt Ion:252 Resp: 4148

Ion	Ratio	Lower	Upper
252	100		
253	20.4	0.0	52.8
125	19.3	0.0	41.9

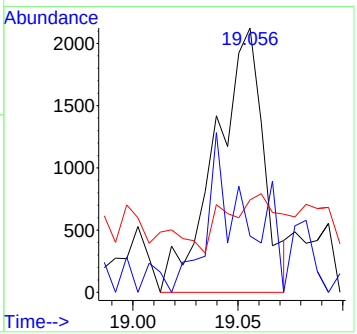


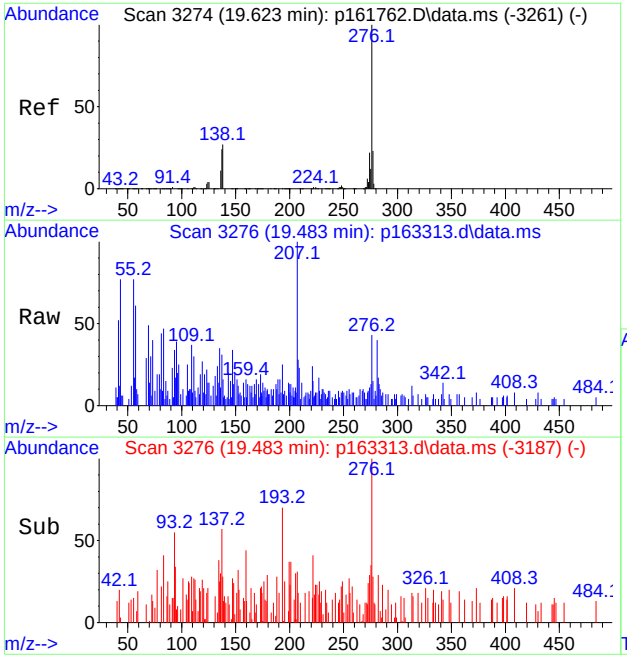


#97
Indeno[1,2,3-cd]pyrene
Concen: 0.2706 ppm
RT: 19.056 min Scan# 3196
Delta R.T. -0.021 min
Lab File: p163313.d
Acq: 29 Nov 2024 1:17 pm

Tgt Ion:276 Resp: 3392

Ion	Ratio	Lower	Upper
276	100		
138	19.5	0.0	46.9
137	9.8	0.0	44.1

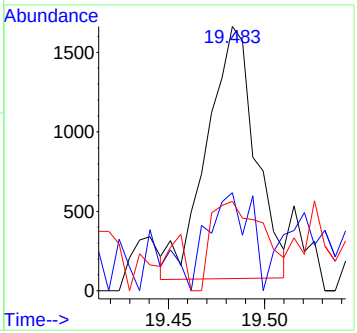




#101
Benzo[g,h,i]perylene
Concen: 0.2280 ppm
RT: 19.483 min Scan# 3276
Delta R.T. -0.027 min
Lab File: p163313.d
Acq: 29 Nov 2024 1:17 pm

Tgt Ion:276 Resp: 2794

Ion	Ratio	Lower	Upper
276	100		
138	38.0	0.0	52.3
277	26.8	0.0	55.6



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\danielas\ep7621\
Data File : p163314.d
Acq On : 29 Nov 2024 1:41 pm
Operator : kristis
Sample : je1296-10 Inst : GCMSP
Misc : op59724,ep7621,30.3,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 01 14:06:42 2024
Quant Method : X:\Dayton SVOA GCMS\danielas\METHODS\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Dec 01 13:06:54 2024
Response via : Initial Calibration

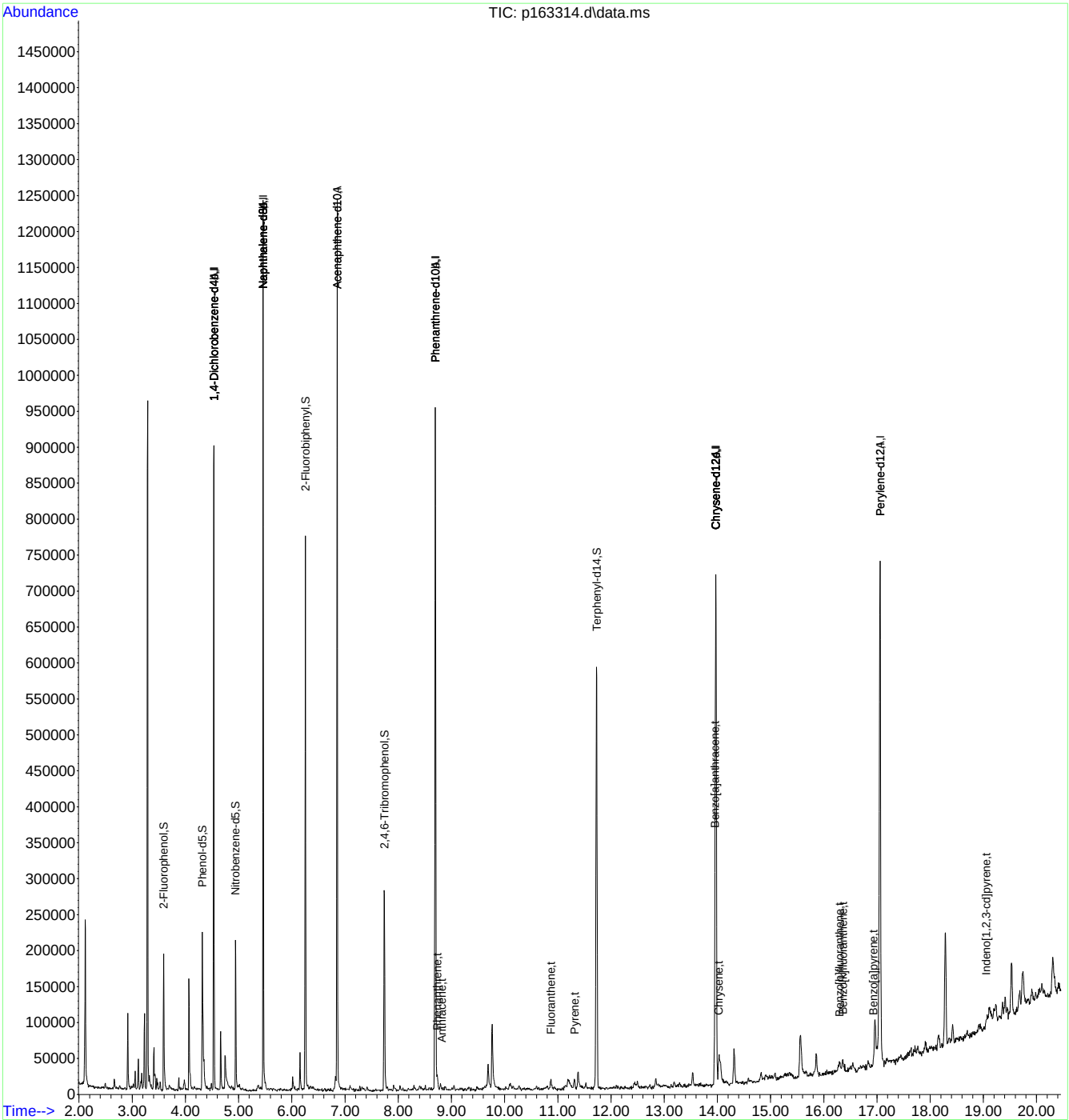
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.536	152	115341	40.00	ppm	0.00
24) Naphthalene-d8	5.460	136	401391	40.00	ppm	0.00
46) Acenaphthene-d10	6.854	164	223947	40.00	ppm	0.00
69) Phenanthrene-d10	8.697	188	414330	40.00	ppm	-0.02
83) Chrysene-d12	13.970	240	404400	40.00	ppm	-0.03
92) Perylene-d12	17.058	264	403485	40.00	ppm	-0.03
102) 1,4-Dichlorobenzene-d4A	4.536	152	115341	40.00	ppm	0.00
112) Naphthalene-d8A	5.460	136	401391	40.00	ppm	0.00
121) Acenaphthene-d10A	6.854	164	223947	40.00	ppm	0.00
132) Phenanthrene-d10A	8.697	188	414330	40.00	ppm	-0.02
147) Chrysene-d12A	13.970	240	404400	40.00	ppm	-0.03
154) Perylene-d12A	17.058	264	403485	40.00	ppm	-0.03
158) 1,4-Dichlorobenzene-d4b	4.536	152	115341	40.00	ppm	0.00
160) Phenanthrene-d10b	8.697	188	414330	40.00	ppm	-0.02
162) Naphthalene-d8b	5.460	136	401391	40.00	ppm	# 0.00
164) Naphthalene-d8c	5.460	136	401391	40.00	ppm	0.00
168) 1,4-Dichlorobenzene-d4c	4.536	152	115341	40.00	ppm	0.00
170) Chrysene-d12c	13.970	240	404400	40.00	ppm	-0.03
172) Chrysene-d12d	13.970	240	404400	40.00	ppm	-0.03
174) Naphthalene-d8d	5.460	136	401391	40.00	ppm	0.00
176) Chrysene-d12e	13.970	240	404400	40.00	ppm	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.590	112	46366	13.47	ppm	0.00
Spiked Amount 50.000			Recovery = 26.94%			
8) Phenol-d5	4.317	99	65504	15.85	ppm	0.00
Spiked Amount 50.000			Recovery = 31.70%			
25) Nitrobenzene-d5	4.942	82	52907	17.53	ppm	-0.01
Spiked Amount 50.000			Recovery = 35.06%			
51) 2-Fluorobiphenyl	6.256	172	169218	21.86	ppm	0.00
Spiked Amount 50.000			Recovery = 43.72%			
73) 2,4,6-Tribromophenol	7.741	330	37059	37.35	ppm	0.00
Spiked Amount 50.000			Recovery = 74.70%			
86) Terphenyl-d14	11.732	244	289135	29.81	ppm	-0.02
Spiked Amount 50.000			Recovery = 59.62%			
Target Compounds						Qvalue
77) Phenanthrene	8.735	178	3716	0.3544	ppm	91
78) Anthracene	8.820	178	559	0.0544	ppm	58
81) Fluoranthene	10.872	202	8346	0.6721	ppm	96
85) Pyrene	11.315	202	7811	0.5695	ppm	88
88) Benzo[a]anthracene	13.954	228	4453	0.3391	ppm	82
90) Chrysene	14.023	228	4877	0.3981	ppm	69
94) Benzo[b]fluoranthene	16.294	252	6876	0.5777	ppm	84
95) Benzo[k]fluoranthene	16.358	252	2006	0.1732	ppm	79
96) Benzo[a]pyrene	16.930	252	3770	0.3671	ppm	90
97) Indeno[1,2,3-cd]pyrene	19.051	276	4124	0.3729	ppm	73

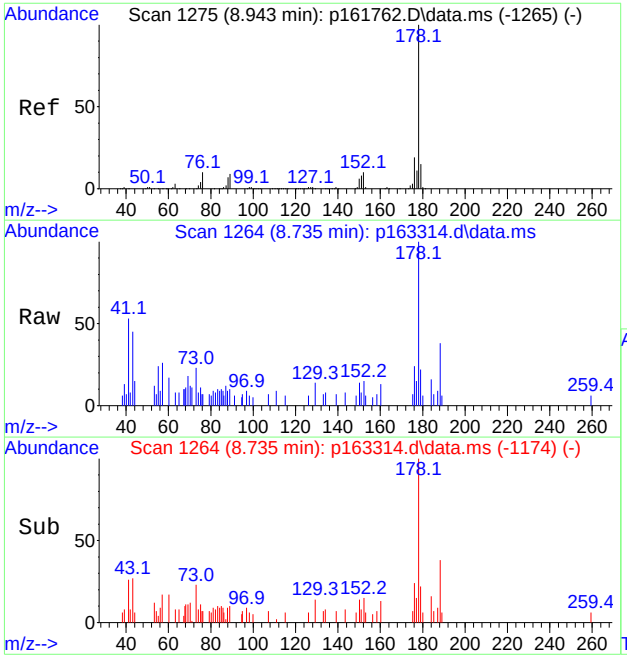
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\danielas\ep7621\
Data File : p163314.d
Acq On : 29 Nov 2024 1:41 pm
Operator : kristis
Sample : je1296-10 Inst : GCMSP
Misc : op59724,ep7621,30.3,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 01 14:06:42 2024
Quant Method : X:\Dayton SVOA GCMS\danielas\METHODS\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Dec 01 13:06:54 2024
Response via : Initial Calibration

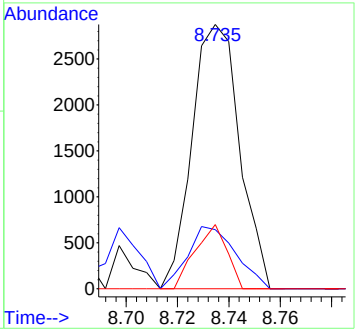


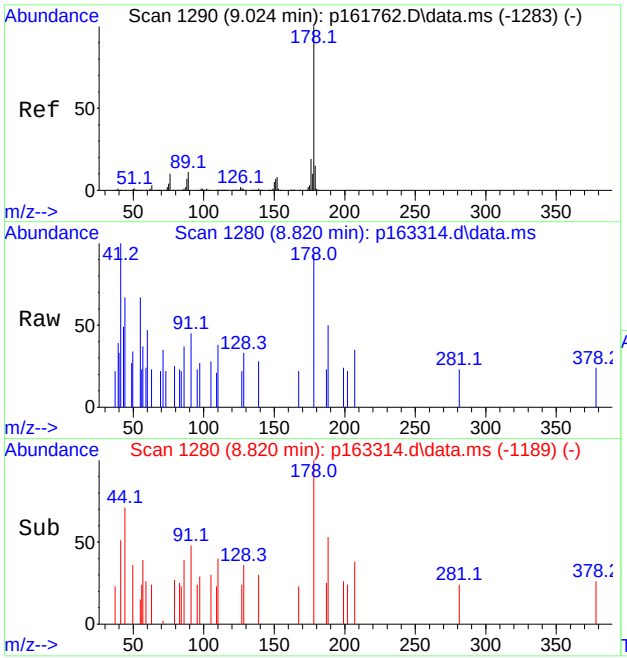


#77
Phenanthrene
Concen: 0.3544 ppm
RT: 8.735 min Scan# 1264
Delta R.T. -0.021 min
Lab File: p163314.d
Acq: 29 Nov 2024 1:41 pm

Tgt Ion:178 Resp: 3716

Ion	Ratio	Lower	Upper
178	100		
179	22.4	0.0	47.6
176	24.3	0.0	50.9

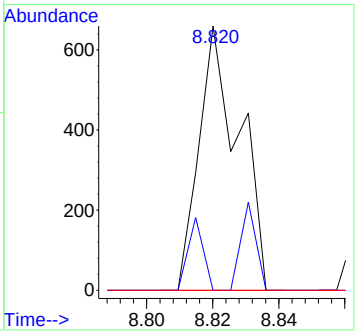


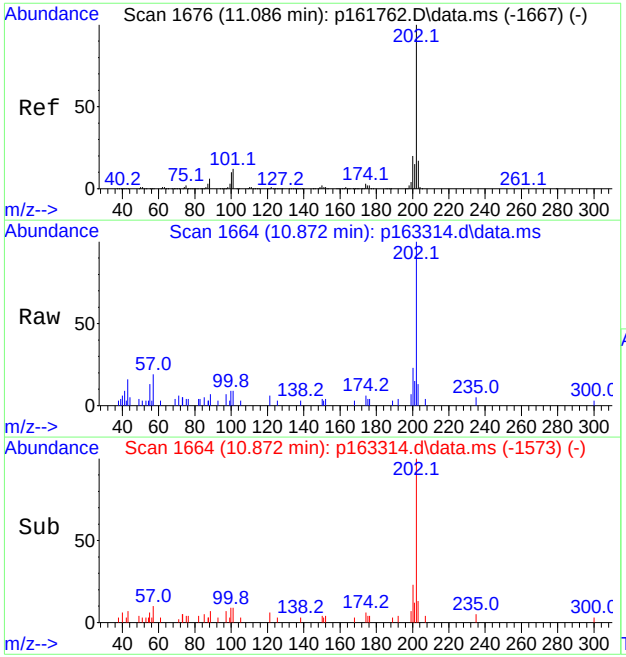


#78
Anthracene
Concen: 0.0544 ppm
RT: 8.820 min Scan# 1280
Delta R.T. -0.016 min
Lab File: p163314.d
Acq: 29 Nov 2024 1:41 pm

Tgt Ion:178 Resp: 559

Ion	Ratio	Lower	Upper
178	100		
179	0.0	0.0	47.5
176	0.0	0.0	50.5

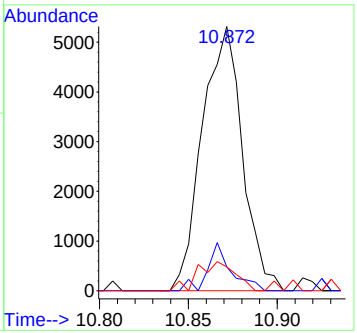


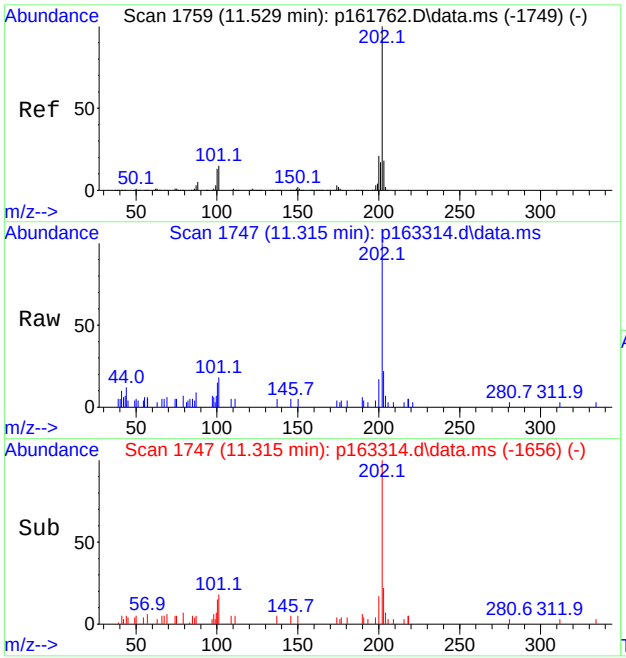


#81
Fluoranthene
Concen: 0.6721 ppm
RT: 10.872 min Scan# 1664
Delta R.T. -0.016 min
Lab File: p163314.d
Acq: 29 Nov 2024 1:41 pm

Tgt Ion:202 Resp: 8346

Ion	Ratio	Lower	Upper
202	100		
101	9.1	0.0	41.3
100	9.0	0.0	38.8

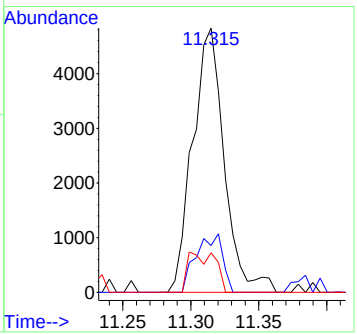


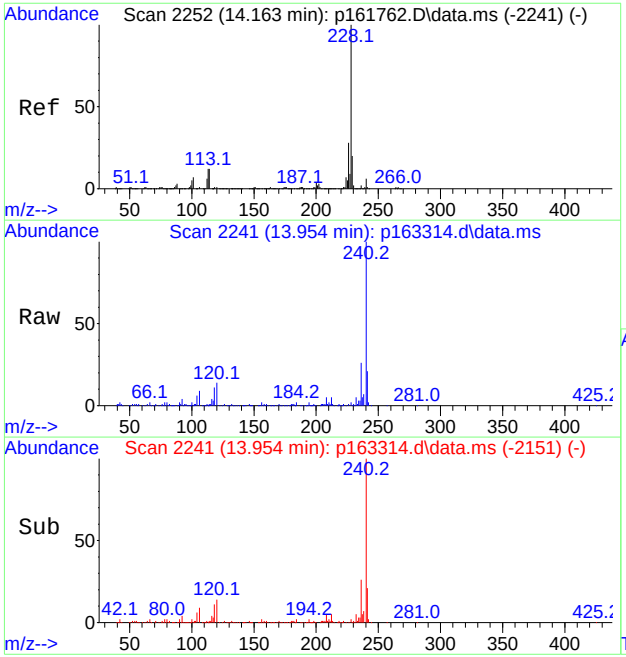


#85
Pyrene
Concen: 0.5695 ppm
RT: 11.315 min Scan# 1747
Delta R.T. -0.016 min
Lab File: p163314.d
Acq: 29 Nov 2024 1:41 pm

Tgt Ion:202 Resp: 7811

Ion	Ratio	Lower	Upper
202	100		
101	17.7	0.0	42.8
100	15.0	0.0	40.8

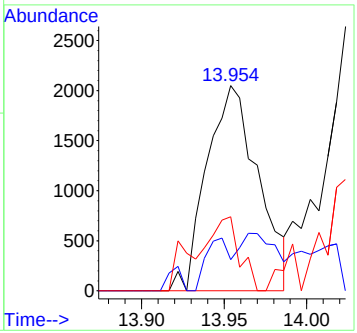


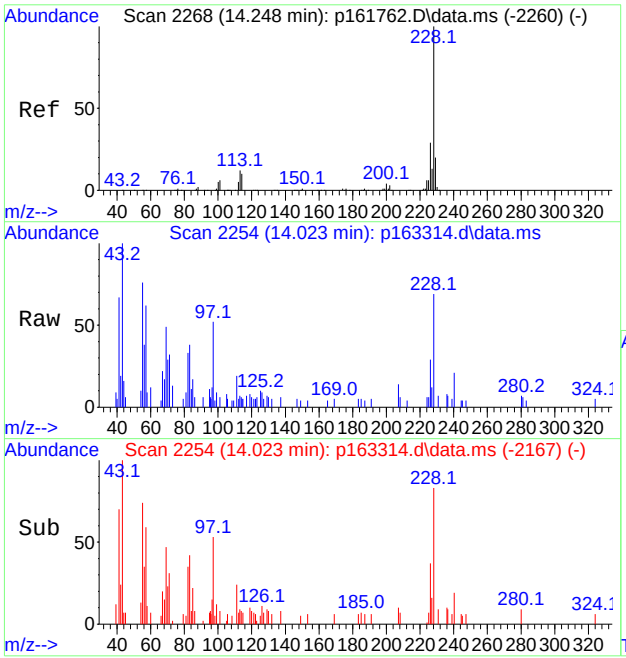


#88
Benzo[a]anthracene
Concen: 0.3391 ppm
RT: 13.954 min Scan# 2241
Delta R.T. -0.021 min
Lab File: p163314.d
Acq: 29 Nov 2024 1:41 pm

Tgt Ion:228 Resp: 4453

Ion	Ratio	Lower	Upper
228	100		
229	9.4	0.0	51.8
226	35.9	0.0	59.7

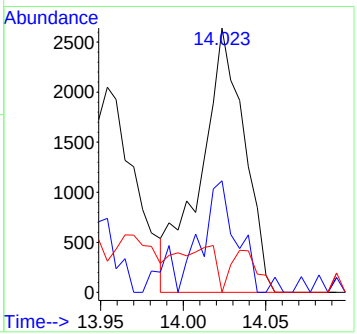


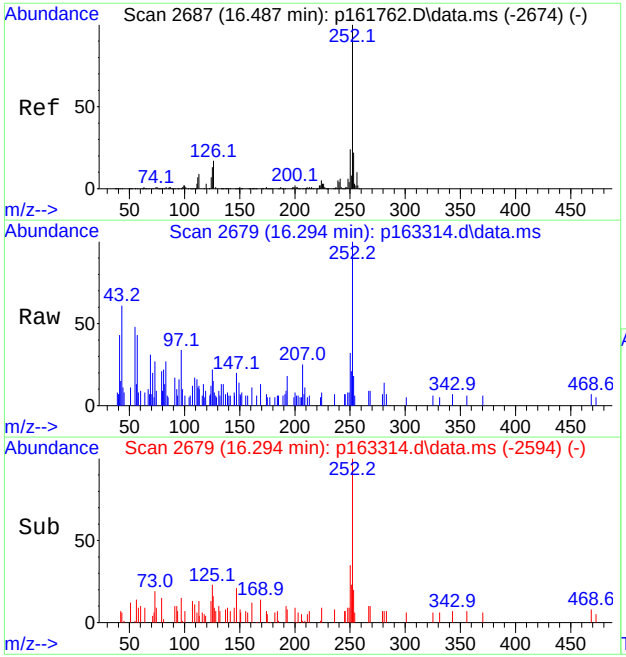


#90
Chrysene
Concen: 0.3981 ppm
RT: 14.023 min Scan# 2254
Delta R.T. -0.037 min
Lab File: p163314.d
Acq: 29 Nov 2024 1:41 pm

Tgt Ion:228 Resp: 4877

Ion	Ratio	Lower	Upper
228	100		
226	42.7	1.2	61.2
229	0.0	0.0	51.1

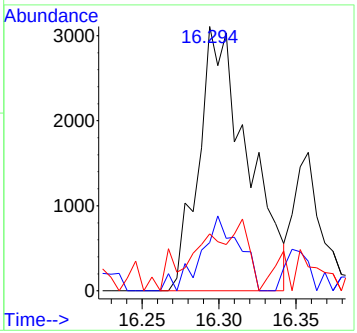


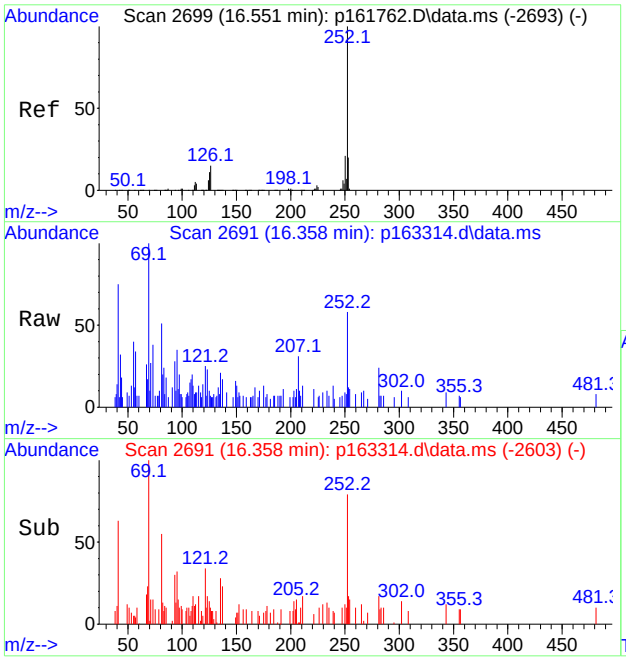


#94
Benzo[b]fluoranthene
Concen: 0.5777 ppm
RT: 16.294 min Scan# 2679
Delta R.T. -0.048 min
Lab File: p163314.d
Acq: 29 Nov 2024 1:41 pm

Tgt Ion:252 Resp: 6876

Ion	Ratio	Lower	Upper
252	100		
253	15.3	0.0	53.5
125	15.3	0.0	39.8

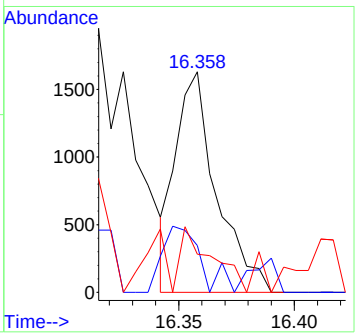


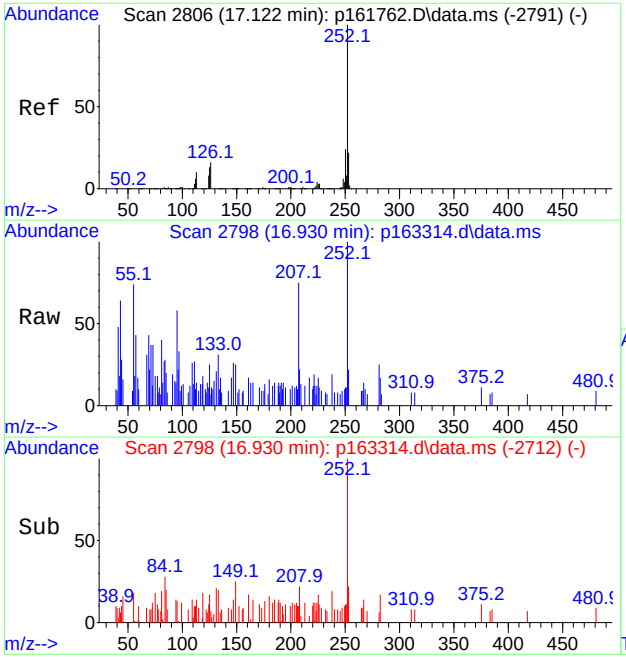


#95
Benzo[k]fluoranthene
Concen: 0.1732 ppm
RT: 16.358 min Scan# 2691
Delta R.T. -0.032 min
Lab File: p163314.d
Acq: 29 Nov 2024 1:41 pm

Tgt Ion:252 Resp: 2006

Ion	Ratio	Lower	Upper
252	100		
253	15.8	0.0	53.6
125	0.0	0.0	41.8

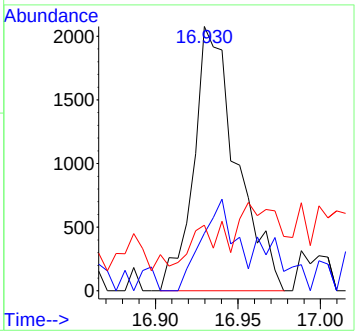


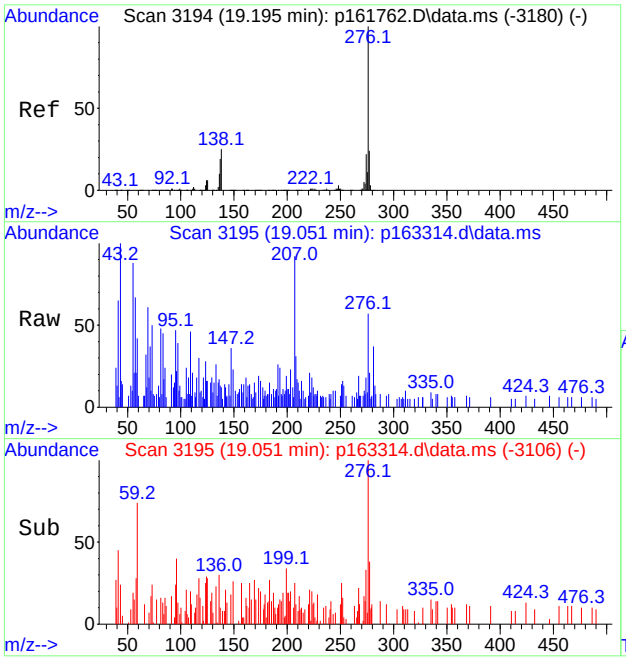


#96
Benzo[a]pyrene
Concen: 0.3671 ppm
RT: 16.930 min Scan# 2798
Delta R.T. -0.043 min
Lab File: p163314.d
Acq: 29 Nov 2024 1:41 pm

Tgt Ion:252 Resp: 3770

Ion	Ratio	Lower	Upper
252	100		
253	18.1	0.0	52.8
125	7.7	0.0	41.9

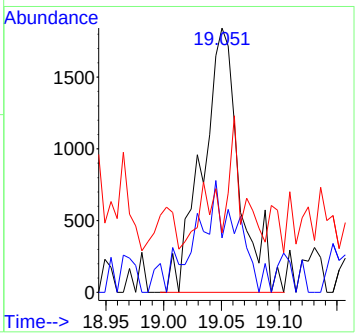




#97
Indeno[1,2,3-cd]pyrene
Concen: 0.3729 ppm
RT: 19.051 min Scan# 3195
Delta R.T. -0.027 min
Lab File: p163314.d
Acq: 29 Nov 2024 1:41 pm

Tgt Ion:276 Resp: 4124

Ion	Ratio	Lower	Upper
276	100		
138	7.7	0.0	46.9
137	0.4	0.0	44.1



Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton SVOA GCMS\altheam\EF9917\
Data File : f223211.D
Acq On : 29 Nov 2024 3:26 pm
Operator : kristis
Sample : je1296-12 Inst : GCMSF
Misc : op59717,ef9917,1000,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 02 06:52:59 2024
Quant Method : X:\Dayton SVOA GCMS\altheam\method\MF9899.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Dec 02 06:19:46 2024
Response via : Initial Calibration

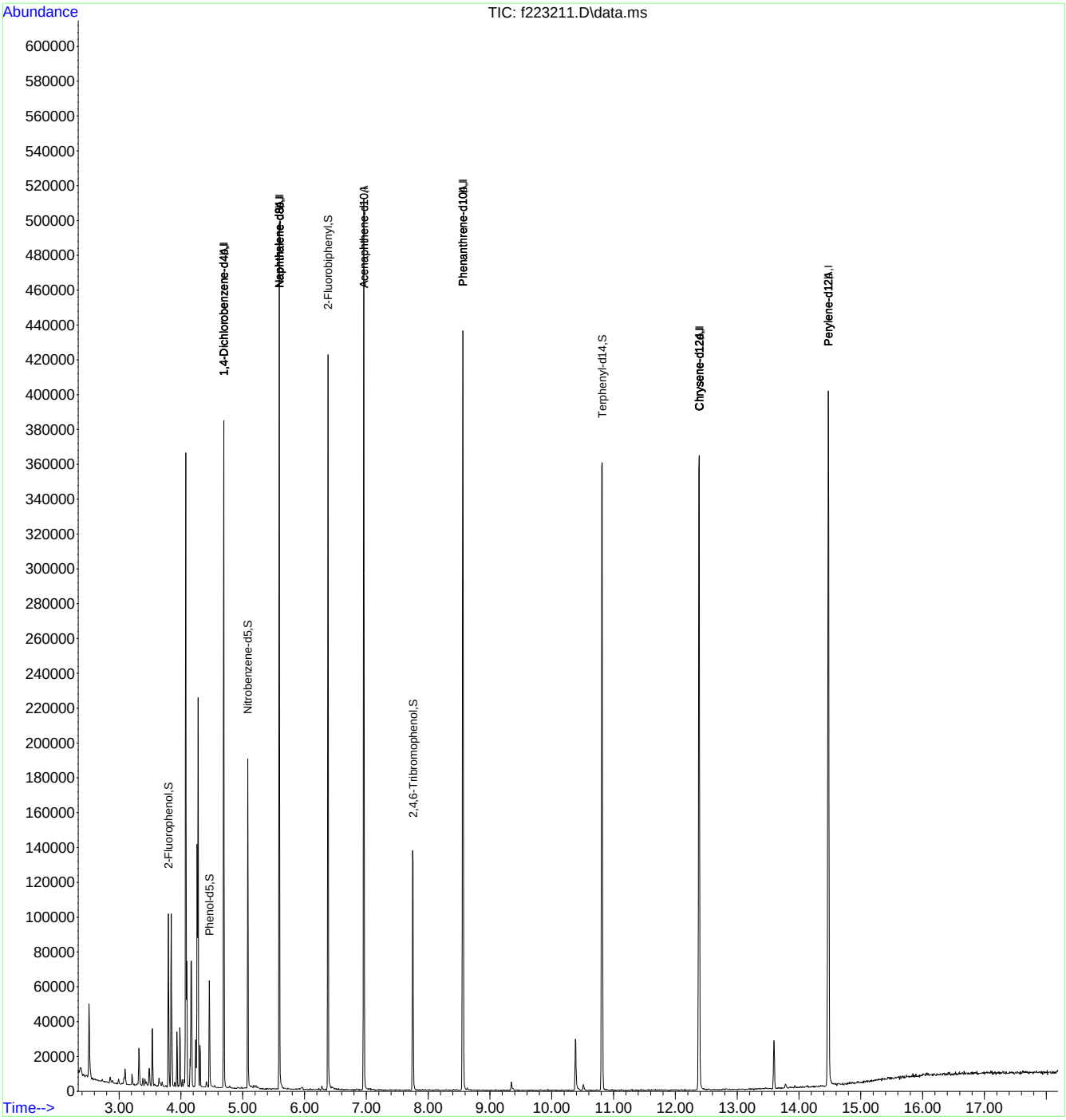
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.693	152	45335	40.00	ppm		0.00
24) Naphthalene-d8	5.591	136	168671	40.00	ppm		0.00
46) Acenaphthene-d10	6.958	164	92109	40.00	ppm		0.00
69) Phenanthrene-d10	8.561	188	178401	40.00	ppm		0.00
83) Chrysene-d12	12.386	240	171260	40.00	ppm		0.00
92) Perylene-d12	14.475	264	190941	40.00	ppm		0.00
102) 1,4-Dichlorobenzene-d4A	4.693	152	45335	40.00	ppm		0.00
112) Naphthalene-d8A	5.591	136	168671	40.00	ppm		0.00
121) Acenaphthene-d10A	6.958	164	92109	40.00	ppm		0.00
132) Phenanthrene-d10A	8.561	188	178401	40.00	ppm		0.00
147) Chrysene-d12A	12.386	240	171260	40.00	ppm		0.00
154) Perylene-d12A	14.475	264	190941	40.00	ppm		0.00
157) 1,4-Dichlorobenzene-d4b	4.693	152	45335	40.00	ppm		0.00
159) Phenanthrene-d10b	8.561	188	178401	40.00	ppm		0.00
161) Naphthalene-d8b	5.591	136	168671	40.00	ppm		0.00
163) Naphthalene-d8c	5.591	136	168671	40.00	ppm		0.00
167) 1,4-Dichlorobenzene-d4c	4.693	152	45335	40.00	ppm		0.00
169) Chrysene-d12c	12.386	240	171260	40.00	ppm		0.00
171) Chrysene-d12d	12.386	240	171260	40.00	ppm		0.00
173) Naphthalene-d8d	5.591	136	168671	40.00	ppm		0.00
175) Chrysene-d12e	12.386	240	171260	40.00	ppm		0.00
177) Perylene-d12b	14.475	264	190941	40.00	ppm		0.00
179) Naphthalene-d8e	5.591	136	168671	40.00	ppm	#	0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.796	112	23040	18.92	ppm		0.00
Spiked Amount 50.000			Recovery = 37.84%				
8) Phenol-d5	4.458	99	18356	12.97	ppm		0.00
Spiked Amount 50.000			Recovery = 25.94%				
25) Nitrobenzene-d5	5.083	82	43001	35.77	ppm		0.00
Spiked Amount 50.000			Recovery = 71.54%				
51) 2-Fluorobiphenyl	6.381	172	110648	34.26	ppm		0.00
Spiked Amount 50.000			Recovery = 68.52%				
73) 2,4,6-Tribromophenol	7.754	330	17819	41.13	ppm		0.00
Spiked Amount 50.000			Recovery = 82.26%				
86) Terphenyl-d14	10.815	244	157917	39.43	ppm		0.00
Spiked Amount 50.000			Recovery = 78.86%				
Target Compounds							Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton SVOA GCMS\altheam\EF9917\
Data File : f223211.D
Acq On : 29 Nov 2024 3:26 pm
Operator : kristis
Sample : je1296-12 Inst : GCMSF
Misc : op59717,ef9917,1000,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 02 06:52:59 2024
Quant Method : X:\Dayton SVOA GCMS\altheam\method\MF9899.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Dec 02 06:19:46 2024
Response via : Initial Calibration



LSC Area Percent Report

Data Path : X:\Dayton SVOA GCMS\altheam\EF9917\
Data File : f223211.D
Acq On : 29 Nov 2024 3:26 pm
Operator : kristis
Sample : je1296-12
Misc : op59717,ef9917,1000,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Integration Parameters: lscint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 10 Area counts
Start Thrs: 0.001 Max Peaks: 200
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : X:\Dayton SVOA GCMS\altheam\method\MF9899.M
Title : Semi Volatile Extractables by GC/MS

Signal : TIC: f223211.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.020	315	316	318	rVB	4061	1782	0.35%	0.041%
2	4.079	318	327	334	rVV2	363933	302210	59.91%	6.996%
3	4.170	337	344	351	rBV2	72366	96535	19.14%	2.235%
4	4.239	352	357	359	rBV	26992	25988	5.15%	0.602%
5	4.277	359	364	368	rVV2	223540	249690	49.50%	5.780%
6	4.309	368	370	378	rVB	23972	17408	3.45%	0.403%
7	4.415	387	390	395	rVB4	3347	3878	0.77%	0.090%
8	4.458	395	398	411	rVV	61457	52258	10.36%	1.210%
9	4.544	411	414	419	rVB4	1435	1820	0.36%	0.042%
10	4.693	435	442	453	rBV	383294	249289	49.42%	5.771%
11	4.784	454	459	467	rVB4	1244	1551	0.31%	0.036%
12	4.918	481	484	489	rBV3	913	1291	0.26%	0.030%
13	4.982	492	496	500	rVB4	864	764	0.15%	0.018%
14	5.083	511	515	524	rBV	189205	125699	24.92%	2.910%
15	5.137	524	525	530	rVV3	1705	2096	0.42%	0.049%
16	5.179	530	533	537	rVV4	1955	2658	0.53%	0.062%
17	5.217	537	540	543	rVV4	1939	2513	0.50%	0.058%
18	5.238	543	544	553	rVB5	1172	2063	0.41%	0.048%
19	5.484	587	590	594	rBV5	770	1108	0.22%	0.026%
20	5.591	605	610	623	rBV	497093	322196	63.87%	7.459%
21	5.735	634	637	644	rBV4	742	1157	0.23%	0.027%
22	5.906	664	669	671	rVB3	597	797	0.16%	0.018%
23	5.959	671	679	684	rBV6	1412	2943	0.58%	0.068%
24	6.141	710	713	719	rBV4	654	991	0.20%	0.023%
25	6.189	719	722	728	rBV2	381	616	0.12%	0.014%
26	6.232	728	730	735	rVB3	1478	1486	0.29%	0.034%
27	6.280	735	739	746	rBV3	2672	3652	0.72%	0.085%
28	6.333	746	749	752	rVB2	782	897	0.18%	0.021%
29	6.381	752	758	767	rBV	422548	307056	60.87%	7.108%
30	6.440	767	769	772	rBV2	902	925	0.18%	0.021%
31	6.547	786	789	791	rVB2	931	625	0.12%	0.014%
32	6.675	811	813	818	rBV4	586	697	0.14%	0.016%
33	6.777	830	832	835	rVB3	787	725	0.14%	0.017%
34	6.803	835	837	838	rBV	843	624	0.12%	0.014%
35	6.841	841	844	846	rBV	831	715	0.14%	0.017%
36	6.958	860	866	880	rBV	511762	382877	75.90%	8.864%
37	7.065	883	886	887	rVB2	1145	928	0.18%	0.021%
38	7.081	887	889	891	rBV2	926	802	0.16%	0.019%
39	7.113	891	895	899	rVB3	695	1098	0.22%	0.025%
40	7.161	902	904	909	rBV	534	976	0.19%	0.023%

LSC Area Percent Report

Data Path : X:\Dayton SVOA GCMS\altheam\EF9917\
Data File : f223211.D
Acq On : 29 Nov 2024 3:26 pm
Operator : kristis
Sample : je1296-12
Misc : op59717,ef9917,1000,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Integration Parameters: lscint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 10 Area counts
Start Thrs: 0.001 Max Peaks: 200
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : X:\Dayton SVOA GCMS\altheam\method\MF9899.M
Title : Semi Volatile Extractables by GC/MS

41	7.247	917	920	926	rVB3	767	1194	0.24%	0.028%
42	7.439	954	956	961	rVB2	572	712	0.14%	0.016%
43	7.749	1008	1014	1024	rBV	137737	134585	26.68%	3.116%
44	7.867	1033	1036	1039	rVB	730	718	0.14%	0.017%
45	7.909	1039	1044	1047	rBV2	899	1241	0.25%	0.029%
46	7.957	1047	1053	1055	rVV3	548	772	0.15%	0.018%
47	8.203	1096	1099	1109	rVB2	354	826	0.16%	0.019%
48	8.289	1111	1115	1118	rBV	624	659	0.13%	0.015%
49	8.417	1133	1139	1143	rBV3	827	1274	0.25%	0.029%
50	8.454	1143	1146	1150	rVB2	653	980	0.19%	0.023%
51	8.561	1156	1166	1176	rBV	436375	420476	83.36%	9.734%
52	8.636	1176	1180	1186	rVB2	1145	1552	0.31%	0.036%
53	8.764	1203	1204	1209	rVB	530	644	0.13%	0.015%
54	9.095	1265	1266	1270	rBV	693	671	0.13%	0.016%
55	9.154	1274	1277	1281	rBV3	648	792	0.16%	0.018%
56	9.282	1297	1301	1306	rVB2	546	636	0.13%	0.015%
57	9.346	1309	1313	1323	rBV4	5154	7100	1.41%	0.164%
58	9.646	1368	1369	1376	rBV2	682	1370	0.27%	0.032%
59	9.726	1381	1384	1388	rVB	585	662	0.13%	0.015%
60	9.811	1394	1400	1402	rBV4	741	1156	0.23%	0.027%
61	9.854	1407	1408	1413	rVB	554	689	0.14%	0.016%
62	9.891	1413	1415	1417	rBV2	624	646	0.13%	0.015%
63	10.019	1438	1439	1444	rBV	534	651	0.13%	0.015%
64	10.158	1461	1465	1467	rBV	843	928	0.18%	0.021%
65	10.239	1476	1480	1485	rVB3	741	1307	0.26%	0.030%
66	10.287	1485	1489	1493	rVB2	837	1078	0.21%	0.025%
67	10.383	1502	1507	1523	rVB	29617	38792	7.69%	0.898%
68	10.511	1523	1531	1542	rBV5	3599	5711	1.13%	0.132%
69	10.623	1547	1552	1553	rVB2	670	703	0.14%	0.016%
70	10.815	1581	1588	1598	rBV	360442	411061	81.49%	9.516%
71	10.885	1598	1601	1606	rVB2	740	729	0.14%	0.017%
72	10.970	1616	1617	1622	rVB3	648	742	0.15%	0.017%
73	11.024	1622	1627	1628	rVB2	780	947	0.19%	0.022%
74	11.056	1631	1633	1640	rVB2	556	1026	0.20%	0.024%
75	11.125	1640	1646	1648	rBV2	836	1101	0.22%	0.025%
76	11.195	1655	1659	1663	rVB2	619	844	0.17%	0.020%
77	11.243	1663	1668	1671	rBV3	651	1114	0.22%	0.026%
78	11.302	1676	1679	1680	rVB2	1091	818	0.16%	0.019%
79	11.441	1700	1705	1706	rBB2	657	732	0.15%	0.017%
80	11.457	1706	1708	1713	rBV2	778	1053	0.21%	0.024%
81	11.676	1746	1749	1751	rVB2	921	664	0.13%	0.015%
82	11.718	1751	1757	1761	rBV4	704	1242	0.25%	0.029%
83	11.932	1795	1797	1800	rBV3	672	659	0.13%	0.015%
84	12.103	1822	1829	1831	rVV2	682	1134	0.22%	0.026%
85	12.151	1833	1838	1839	rVB2	818	810	0.16%	0.019%

LSC Area Percent Report

Data Path : X:\Dayton SVOA GCMS\altheam\EF9917\
Data File : f223211.D
Acq On : 29 Nov 2024 3:26 pm
Operator : kristis
Sample : je1296-12
Misc : op59717,ef9917,1000,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Integration Parameters: lscint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 10 Area counts
Start Thrs: 0.001 Max Peaks: 200
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : X:\Dayton SVOA GCMS\altheam\method\MF9899.M
Title : Semi Volatile Extractables by GC/MS

86	12.386	1875	1882	1893	rBV	364383	449707	89.15%	10.411%
87	12.477	1898	1899	1903	rVB2	769	612	0.12%	0.014%
88	12.536	1906	1910	1916	rBV4	779	1356	0.27%	0.031%
89	12.685	1936	1938	1942	rVB2	660	889	0.18%	0.021%
90	12.723	1942	1945	1948	rBV3	611	879	0.17%	0.020%
91	12.765	1948	1953	1957	rVV4	868	1217	0.24%	0.028%
92	12.819	1960	1963	1971	rBV4	821	1741	0.35%	0.040%
93	12.963	1987	1990	1996	rVB3	647	1148	0.23%	0.027%
94	13.011	1996	1999	2001	rBV3	647	690	0.14%	0.016%
95	13.155	2022	2026	2029	rBV2	553	806	0.16%	0.019%
96	13.241	2040	2042	2047	rVB3	951	1405	0.28%	0.033%
97	13.310	2050	2055	2056	rVV3	616	794	0.16%	0.018%
98	13.465	2080	2084	2087	rBV2	635	659	0.13%	0.015%
99	13.593	2102	2108	2114	rBV	27837	32964	6.53%	0.763%
100	13.652	2114	2119	2120	rBV3	612	814	0.16%	0.019%
101	13.716	2130	2131	2136	rBV2	812	865	0.17%	0.020%
102	13.780	2136	2143	2151	rVV4	2511	4689	0.93%	0.109%
103	13.855	2151	2157	2159	rBV5	980	1481	0.29%	0.034%
104	13.930	2166	2171	2175	rBV3	1518	1800	0.36%	0.042%
105	14.032	2186	2190	2192	rBV2	1043	998	0.20%	0.023%
106	14.058	2192	2195	2200	rVB3	940	970	0.19%	0.022%
107	14.112	2200	2205	2208	rBV6	805	1501	0.30%	0.035%
108	14.133	2208	2209	2216	rVB3	1131	1111	0.22%	0.026%
109	14.202	2220	2222	2225	rBV3	591	645	0.13%	0.015%
110	14.256	2231	2232	2234	rBV2	937	612	0.12%	0.014%
111	14.277	2234	2236	2240	rVV2	938	1040	0.21%	0.024%
112	14.315	2240	2243	2247	rVV4	850	934	0.19%	0.022%
113	14.352	2247	2250	2252	rVV3	744	715	0.14%	0.017%
114	14.475	2261	2273	2285	rBV	399604	504432	100.00%	11.677%
115	14.646	2299	2305	2308	rBV7	1499	3343	0.66%	0.077%
116	14.710	2315	2317	2320	rVB2	1330	731	0.14%	0.017%
117	14.747	2320	2324	2326	rBV3	979	1277	0.25%	0.030%
118	14.785	2326	2331	2332	rVB3	1104	1068	0.21%	0.025%
119	14.822	2335	2338	2340	rVB3	1239	725	0.14%	0.017%
120	14.865	2344	2346	2350	rVB4	997	880	0.17%	0.020%
121	14.940	2353	2360	2362	rBV2	1587	2303	0.46%	0.053%
122	15.036	2373	2378	2380	rVB5	1150	1180	0.23%	0.027%
123	15.052	2380	2381	2384	rBV3	1418	1120	0.22%	0.026%
124	15.100	2384	2390	2392	rVV4	1251	1753	0.35%	0.041%
125	15.116	2392	2393	2397	rVV2	821	800	0.16%	0.019%
126	15.223	2410	2413	2414	rBV3	836	883	0.18%	0.020%
127	15.346	2434	2436	2439	rBV3	1855	1673	0.33%	0.039%
128	15.437	2451	2453	2454	rBV2	1424	989	0.20%	0.023%
129	15.479	2459	2461	2462	rBV2	1321	860	0.17%	0.020%

LSC Area Percent Report

Data Path : X:\Dayton SVOA GCMS\altheam\EF9917\
Data File : f223211.D
Acq On : 29 Nov 2024 3:26 pm
Operator : kristis
Sample : je1296-12
Misc : op59717,ef9917,1000,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Integration Parameters: lscint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 10 Area counts
Start Thrs: 0.001 Max Peaks: 200
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : X:\Dayton SVOA GCMS\altheam\method\MF9899.M
Title : Semi Volatile Extractables by GC/MS

130	15.554	2472	2475	2479	rBV5	1016	1095	0.22%	0.025%
131	15.586	2479	2481	2484	rBV4	965	1086	0.22%	0.025%
132	15.634	2489	2490	2493	rBV3	2250	2055	0.41%	0.048%
133	15.677	2493	2498	2501	rBV6	1926	2762	0.55%	0.064%
134	15.704	2501	2503	2505	rBV3	1139	639	0.13%	0.015%
135	15.736	2507	2509	2511	rBV3	1502	804	0.16%	0.019%
136	15.843	2528	2529	2533	rVB4	2159	1550	0.31%	0.036%
137	15.891	2534	2538	2542	rVV5	1959	1863	0.37%	0.043%
138	15.955	2549	2550	2554	rBV4	1527	1634	0.32%	0.038%
139	16.008	2555	2560	2567	rVB7	1677	3784	0.75%	0.088%
140	16.056	2567	2569	2570	rBV2	1699	900	0.18%	0.021%
141	16.184	2590	2593	2594	rBV3	1320	1323	0.26%	0.031%
142	16.233	2599	2602	2604	rBV4	1491	1215	0.24%	0.028%
143	16.254	2604	2606	2608	rBV3	735	673	0.13%	0.016%
144	16.291	2612	2613	2618	rVB5	1196	1351	0.27%	0.031%
145	16.329	2618	2620	2621	rBV2	1510	882	0.17%	0.020%
146	16.398	2630	2633	2635	rBV4	1105	932	0.18%	0.022%
147	16.414	2635	2636	2639	rVV2	1806	1383	0.27%	0.032%
148	16.436	2639	2640	2644	rVB3	2167	1630	0.32%	0.038%
149	16.532	2657	2658	2663	rVB4	2082	1617	0.32%	0.037%
150	16.564	2663	2664	2667	rBV2	1091	1002	0.20%	0.023%
151	16.596	2667	2670	2672	rBV3	1689	1384	0.27%	0.032%
152	16.671	2683	2684	2688	rBV4	1980	1278	0.25%	0.030%
153	16.719	2689	2693	2695	rVB4	948	1376	0.27%	0.032%
154	16.783	2703	2705	2707	rVB2	1157	845	0.17%	0.020%
155	16.879	2720	2723	2725	rBV3	1601	785	0.16%	0.018%
156	17.012	2747	2748	2751	rBV3	1273	1316	0.26%	0.030%
157	17.103	2763	2765	2768	rBV4	1571	1006	0.20%	0.023%
158	17.167	2774	2777	2781	rVB6	2055	2564	0.51%	0.059%
159	17.194	2781	2782	2784	rBV2	1489	1243	0.25%	0.029%
160	17.301	2798	2802	2805	rVV5	1647	1832	0.36%	0.042%
161	17.333	2806	2808	2811	rVB4	1571	782	0.16%	0.018%
162	17.504	2837	2840	2843	rBV4	1208	1493	0.30%	0.035%
163	17.531	2843	2845	2851	rVV7	1253	1539	0.31%	0.036%
164	17.616	2859	2861	2865	rBV5	1647	1768	0.35%	0.041%
165	17.728	2881	2882	2884	rBV2	1462	921	0.18%	0.021%
166	17.808	2894	2897	2899	rBV4	881	755	0.15%	0.017%
167	17.841	2901	2903	2907	rVB5	1192	817	0.16%	0.019%
168	17.947	2922	2923	2927	rBV4	1919	2167	0.43%	0.050%
169	18.044	2938	2941	2942	rBV2	778	860	0.17%	0.020%
170	18.097	2949	2951	2953	rBV3	1616	1148	0.23%	0.027%

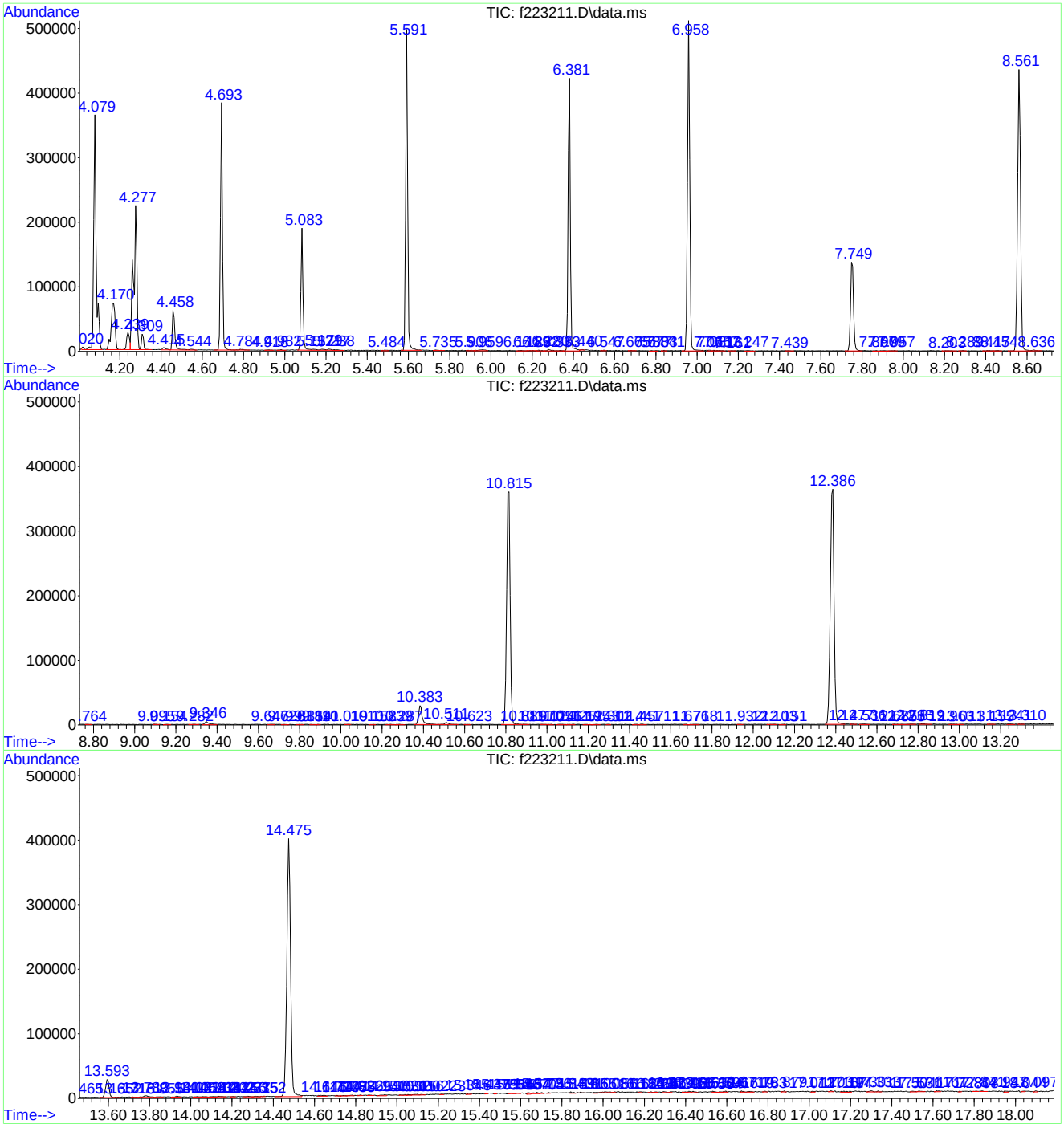
Sum of corrected areas: 4319703

LSC Report - Integrated Chromatogram

Data Path : X:\Dayton SVOA GCMS\altheam\EF9917\
Data File : f223211.D
Acq On : 29 Nov 2024 3:26 pm
Operator : kristis
Sample : je1296-12
Misc : op59717,ef9917,1000,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\altheam\method\MF9899.M
Quant Title : Semi Volatile Extractables by GC/MS

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\altheam\EF9917\
Data File : f223211.D
Acq On : 29 Nov 2024 3:26 pm
Operator : kristis
Sample : je1296-12
Misc : op59717,ef9917,1000,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\altheam\method\MF9899.M
Quant Title : Semi Volatile Extractables by GC/MS

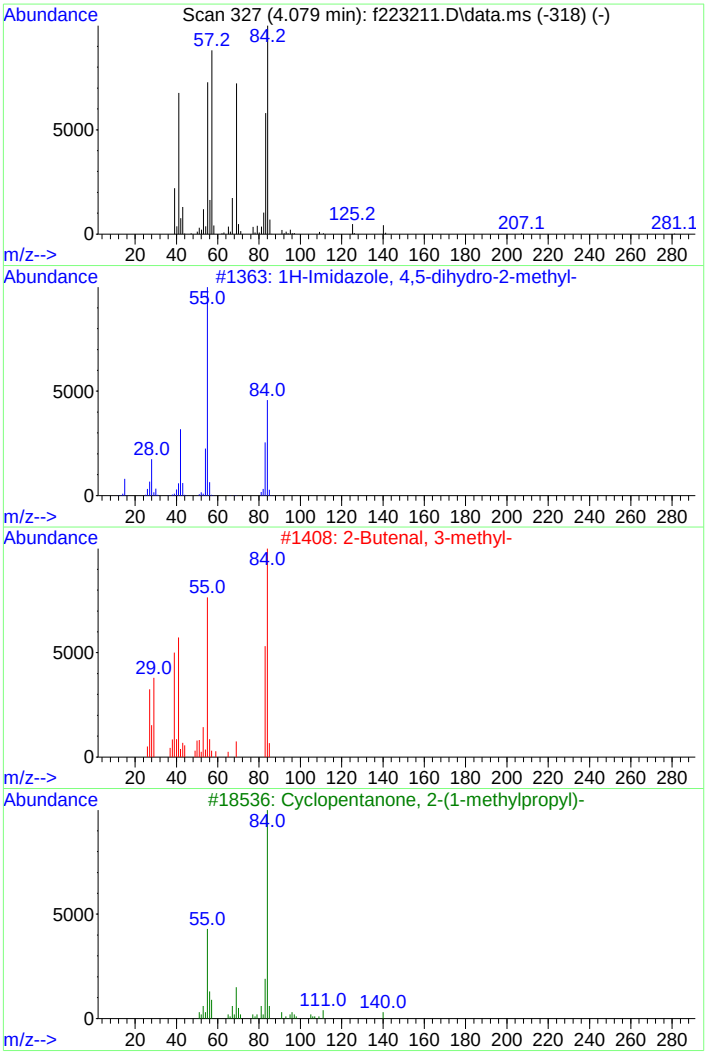
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: LSCINT.P

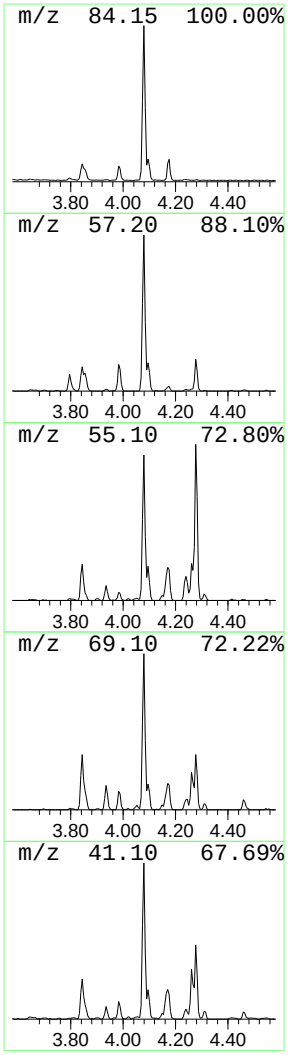
****

Peak Number 1 System artifact Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.079	48.49 ppm	302210	1,4-Dichlorobenzene-d4A	4.693

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Imidazole, 4,5-dihydro-2-methyl-	84	C4H8N2	000534-26-9	59
2	2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	53
3	Cyclopentanone, 2-(1-methylpropyl)-	140	C9H16O	006376-92-7	50
4	1H-Imidazole, 4,5-dihydro-2-methyl-	84	C4H8N2	000534-26-9	50
5	Cyclopentane, 1,2,3,4,5-pentamet...	140	C10H20	1000152-79-7	45





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\altheam\EF9917\
Data File : f223211.D
Acq On : 29 Nov 2024 3:26 pm
Operator : kristis
Sample : je1296-12
Misc : op59717,ef9917,1000,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\altheam\method\MF9899.M
Quant Title : Semi Volatile Extractables by GC/MS

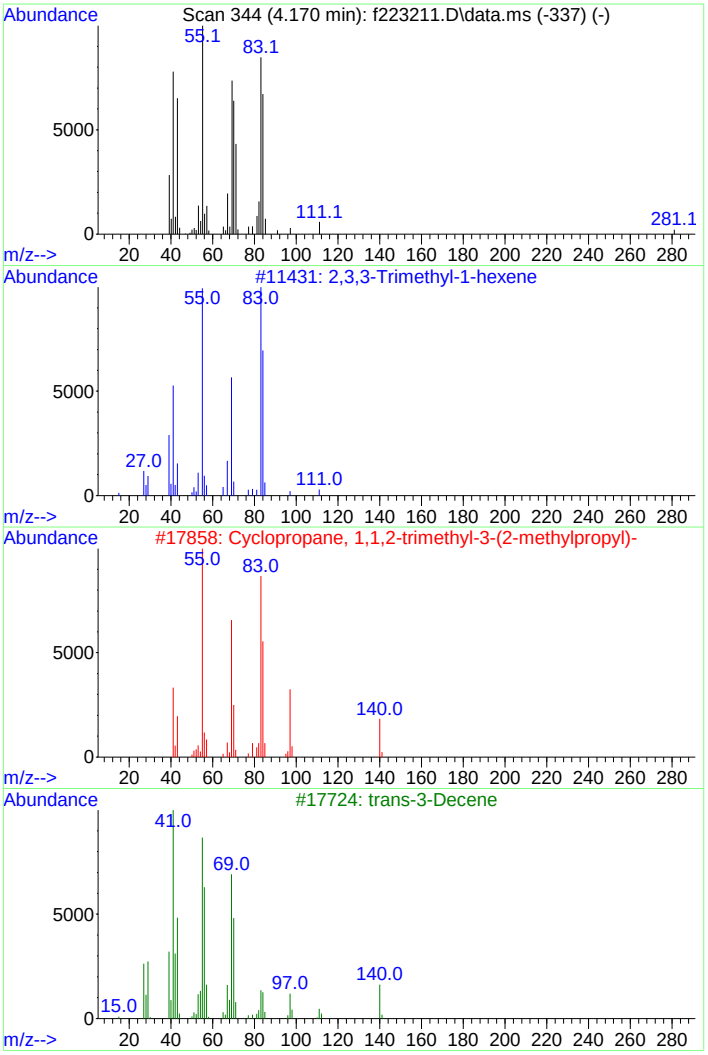
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: LSCINT.P

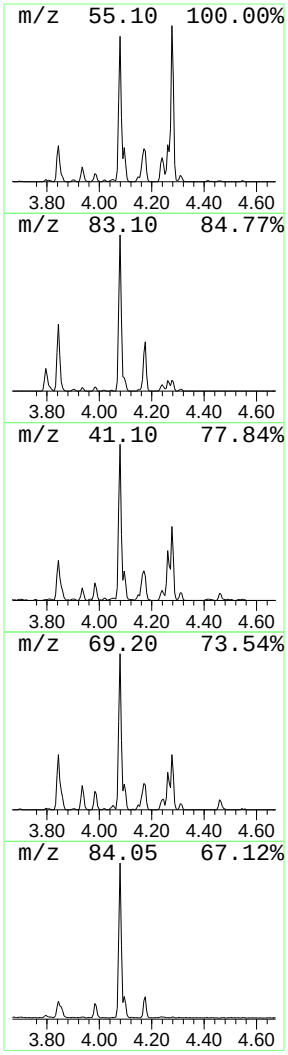
****

Peak Number 2 System artifact Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.170	15.49 ppm	96535	1,4-Dichlorobenzene-d4A	4.693

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,3-Trimethyl-1-hexene	126	C9H18	1000113-52-1	64
2	Cyclopropane, 1,1,2-trimethyl-3-...	140	C10H20	041977-43-9	53
3	trans-3-Decene	140	C10H20	019150-21-1	43
4	2-Hydroxy-2-methyl-but-3-enyl 2-...	184	C10H16O3	080758-67-4	35
5	Propanoic acid, 2-methyl-, 3-met...	156	C9H16O2	076649-23-5	35





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\altheam\EF9917\
Data File : f223211.D
Acq On : 29 Nov 2024 3:26 pm
Operator : kristis
Sample : je1296-12
Misc : op59717,ef9917,1000,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\altheam\method\MF9899.M
Quant Title : Semi Volatile Extractables by GC/MS

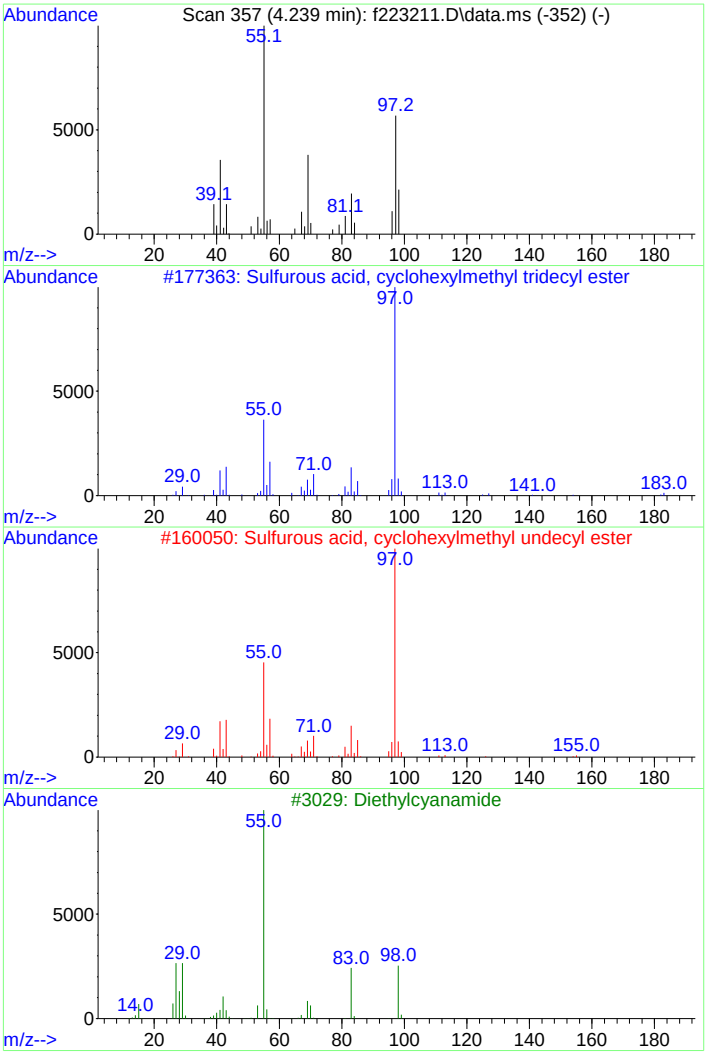
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: LSCINT.P

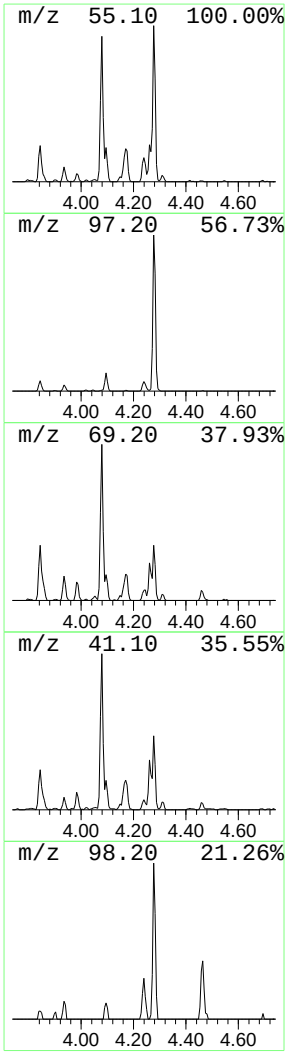
****

Peak Number 3 System artifact Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.239	4.17 ppm	25988	1,4-Dichlorobenzene-d4A	4.693

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, cyclohexylmethyl...	360	C20H40O3S	1000309-22-1	50
2	Sulfurous acid, cyclohexylmethyl...	332	C18H36O3S	1000309-21-9	50
3	Diethylcyanamide	98	C5H10N2	000617-83-4	38
4	Cycloheptane, bromo-	176	C7H13Br	002404-35-5	37
5	Cycloheptane, bromo-	176	C7H13Br	002404-35-5	37





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\altheam\EF9917\
Data File : f223211.D
Acq On : 29 Nov 2024 3:26 pm
Operator : kristis
Sample : je1296-12
Misc : op59717,ef9917,1000,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\altheam\method\MF9899.M
Quant Title : Semi Volatile Extractables by GC/MS

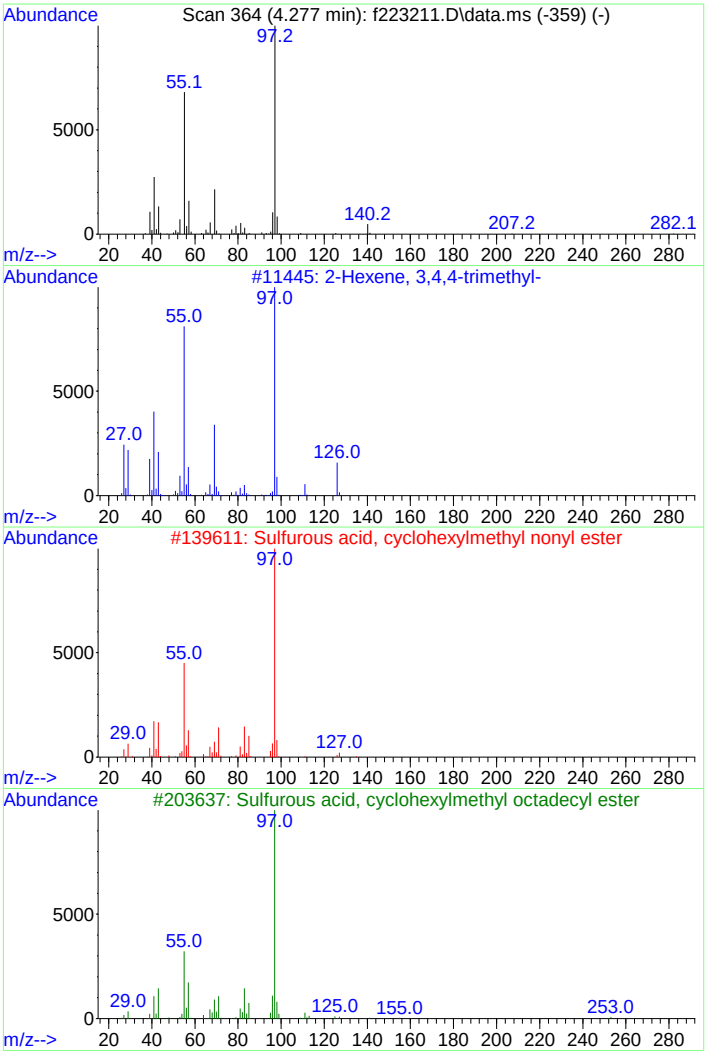
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: LSCINT.P

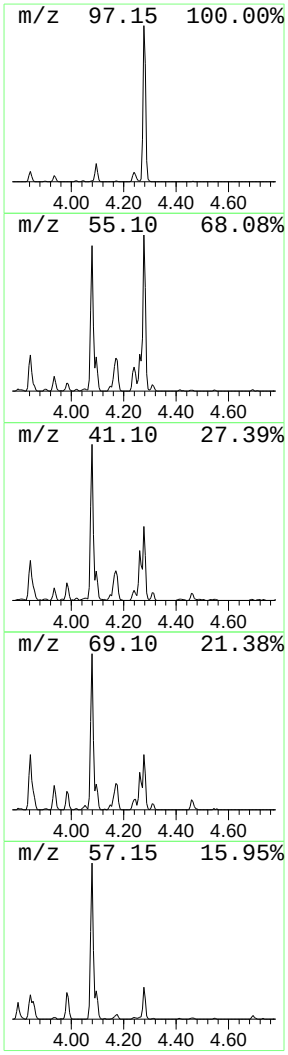
****

Peak Number 4 System artifact Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.277	40.06 ppm	249690	1,4-Dichlorobenzene-d4A	4.693

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene, 3,4,4-trimethyl-	126	C9H18	053941-19-8	72
2	Sulfurous acid, cyclohexylmethyl...	304	C16H32O3S	1000309-21-8	72
3	Sulfurous acid, cyclohexylmethyl...	430	C25H50O3S	1000309-22-6	72
4	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	64
5	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	64





Tentatively Identified Compound (LSC) summary

Data Path : X:\Dayton SVOA GCMS\altheam\EF9917\
Data File : f223211.D
Acq On : 29 Nov 2024 3:26 pm
Operator : kristis
Sample : je1296-12
Misc : op59717,ef9917,1000,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\altheam\method\MF9899.M
Quant Title : Semi Volatile Extractables by GC/MS

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
System artifact	4.079	48.5	ppm	302210	2	4.693	249289	40.0
System artifact	4.170	15.5	ppm	96535	2	4.693	249289	40.0
System artifact	4.239	4.2	ppm	25988	2	4.693	249289	40.0
System artifact	4.277	40.1	ppm	249690	2	4.693	249289	40.0

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\danielas\ep7621\
Data File : p163325.d
Acq On : 29 Nov 2024 6:13 pm
Operator : kristis
Sample : je1296-14 Inst : GCMSP
Misc : op59724,ep7621,30.7,,,1,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 01 15:27:15 2024
Quant Method : X:\Dayton SVOA GCMS\danielas\METHODS\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Dec 01 13:06:54 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.536	152	121962	40.00	ppm	0.00
24) Naphthalene-d8	5.460	136	430479	40.00	ppm	0.00
46) Acenaphthene-d10	6.854	164	243058	40.00	ppm	0.00
69) Phenanthrene-d10	8.697	188	437612	40.00	ppm	-0.02
83) Chrysene-d12	13.970	240	420962	40.00	ppm	-0.03
92) Perylene-d12	17.063	264	484130	40.00	ppm	-0.02
102) 1,4-Dichlorobenzene-d4A	4.536	152	121962	40.00	ppm	0.00
112) Naphthalene-d8A	5.460	136	430479	40.00	ppm	0.00
121) Acenaphthene-d10A	6.854	164	243058	40.00	ppm	0.00
132) Phenanthrene-d10A	8.697	188	437612	40.00	ppm	-0.02
147) Chrysene-d12A	13.970	240	420962	40.00	ppm	-0.03
154) Perylene-d12A	17.063	264	484130	40.00	ppm	-0.02
158) 1,4-Dichlorobenzene-d4b	4.536	152	121962	40.00	ppm	0.00
160) Phenanthrene-d10b	8.697	188	437612	40.00	ppm	-0.02
162) Naphthalene-d8b	5.460	136	430479	40.00	ppm	# 0.00
164) Naphthalene-d8c	5.460	136	430479	40.00	ppm	0.00
168) 1,4-Dichlorobenzene-d4c	4.536	152	121962	40.00	ppm	0.00
170) Chrysene-d12c	13.970	240	420962	40.00	ppm	-0.03
172) Chrysene-d12d	13.970	240	420962	40.00	ppm	-0.03
174) Naphthalene-d8d	5.460	136	430479	40.00	ppm	0.00
176) Chrysene-d12e	13.970	240	420962	40.00	ppm	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.590	112	82699	22.72	ppm	0.00
Spiked Amount 50.000			Recovery =	45.44%		
8) Phenol-d5	4.317	99	104600	23.94	ppm	0.00
Spiked Amount 50.000			Recovery =	47.88%		
25) Nitrobenzene-d5	4.942	82	97817	30.22	ppm	-0.01
Spiked Amount 50.000			Recovery =	60.44%		
51) 2-Fluorobiphenyl	6.256	172	253021	30.12	ppm	0.00
Spiked Amount 50.000			Recovery =	60.24%		
73) 2,4,6-Tribromophenol	7.736	330	42342	40.40	ppm	-0.01
Spiked Amount 50.000			Recovery =	80.80%		
86) Terphenyl-d14	11.726	244	305492	30.26	ppm	-0.02
Spiked Amount 50.000			Recovery =	60.52%		
Target Compounds						Qvalue
38) Naphthalene	5.476	128	11770	1.1156	ppm	96
44) 2-Methylnaphthalene	5.978	141	9487	1.4331	ppm	93
45) 1-Methylnaphthalene	6.053	142	13612	2.0255	ppm	96
53) Biphenyl	6.341	154	5312	0.5772	ppm	85
56) Acenaphthylene	6.721	152	46246	4.7938	ppm	98
59) Acenaphthene	6.881	153	31582	4.1743	ppm	99
62) Dibenzofuran	7.057	168	28270	2.6556	ppm	95
66) Fluorene	7.431	166	45555	5.5710	ppm	95
77) Phenanthrene	8.735	178	436794	39.4377	ppm	98
78) Anthracene	8.815	178	123507	11.3743	ppm	96
79) Carbazole	9.103	167	45083	4.3821	ppm	98
81) Fluoranthene	10.866	202	621767	47.4076	ppm	99
85) Pyrene	11.310	202	574729	40.2564	ppm	99
88) Benzo[a]anthracene	13.949	228	276220	20.2077	ppm	98
90) Chrysene	14.023	228	264802	20.7623	ppm	96
94) Benzo[b]fluoranthene	16.299	252	337199	23.6097	ppm	98
95) Benzo[k]fluoranthene	16.347	252	127395	9.1694	ppm	97
96) Benzo[a]pyrene	16.940	252	271507	22.0344	ppm	97
97) Indeno[1,2,3-cd]pyrene	19.040	276	186841	14.0812	ppm	92
99) Dibenz[a,h]anthracene	19.072	278	57126	4.4455	ppm	85

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\danielas\ep7621\
Data File : p163325.d
Acq On : 29 Nov 2024 6:13 pm
Operator : kristis
Sample : je1296-14 Inst : GCMSP
Misc : op59724,ep7621,30.7,,,1,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 01 15:27:15 2024
Quant Method : X:\Dayton SVOA GCMS\danielas\METHODS\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Dec 01 13:06:54 2024
Response via : Initial Calibration

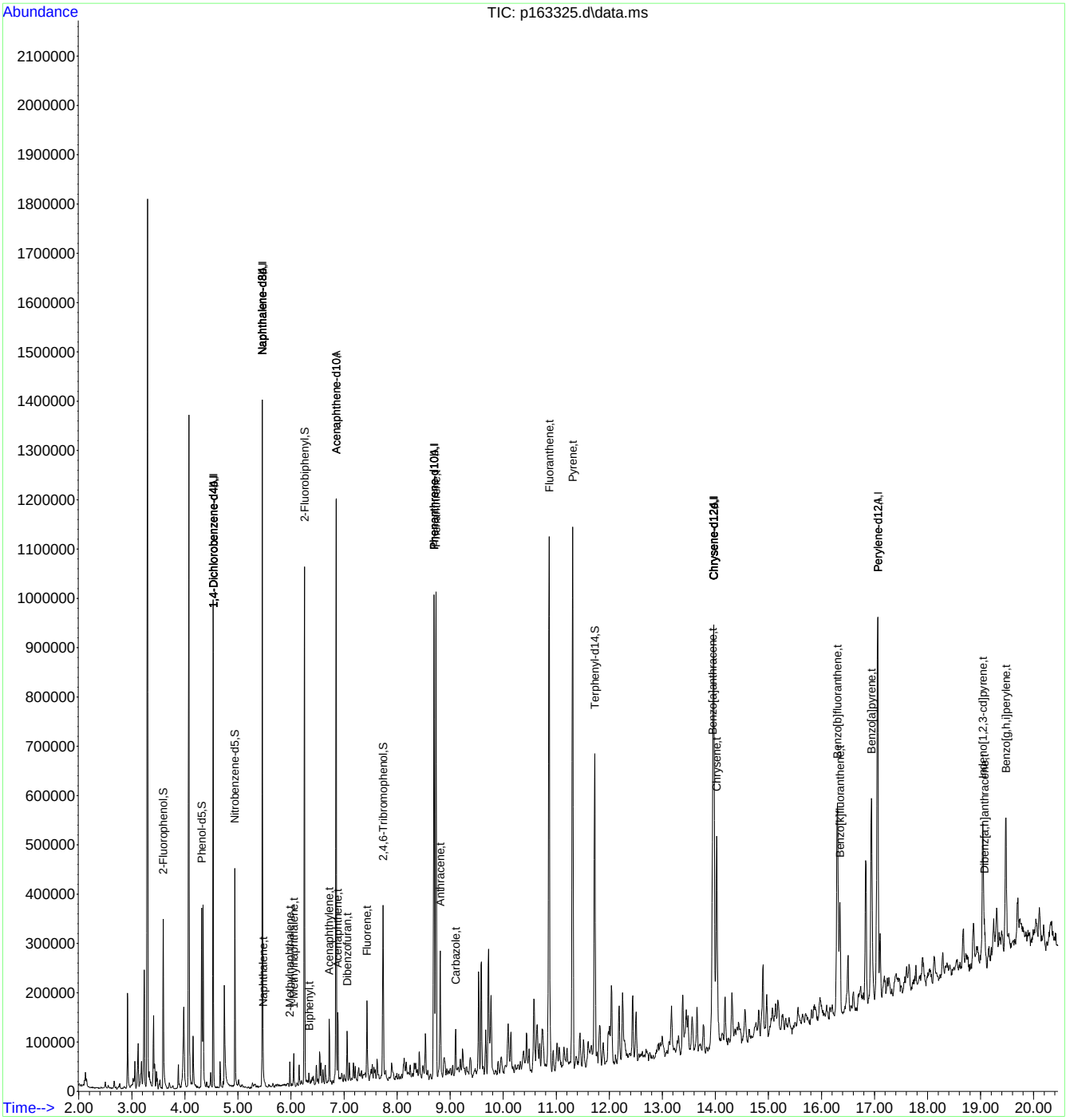
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101) Benzo[g,h,i]perylene	19.478	276	189909	14.6414	ppm	98

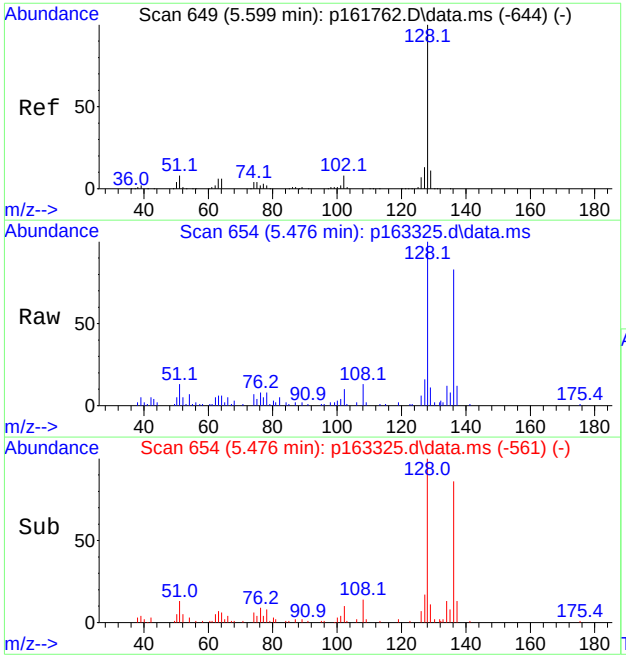
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\danielas\ep7621\
Data File : p163325.d
Acq On : 29 Nov 2024 6:13 pm
Operator : kristis
Sample : je1296-14 Inst : GCMSP
Misc : op59724,ep7621,30.7,,,1,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 01 15:27:15 2024
Quant Method : X:\Dayton SVOA GCMS\danielas\METHODS\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Dec 01 13:06:54 2024
Response via : Initial Calibration

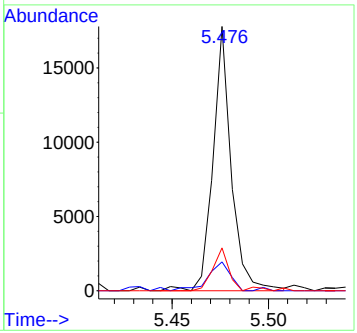


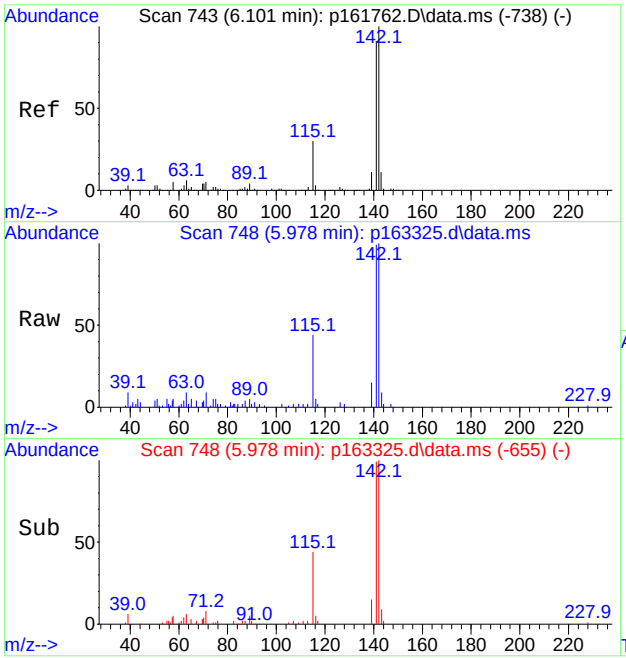


#38
Naphthalene
Concen: 1.1156 ppm
RT: 5.476 min Scan# 654
Delta R.T. -0.005 min
Lab File: p163325.d
Acq: 29 Nov 2024 6:13 pm

Tgt Ion:128 Resp: 11770

Ion	Ratio	Lower	Upper
128	100		
129	10.3	0.0	42.6
127	15.8	0.0	44.9

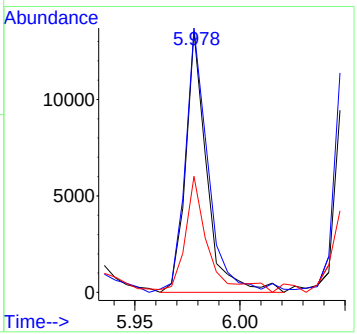


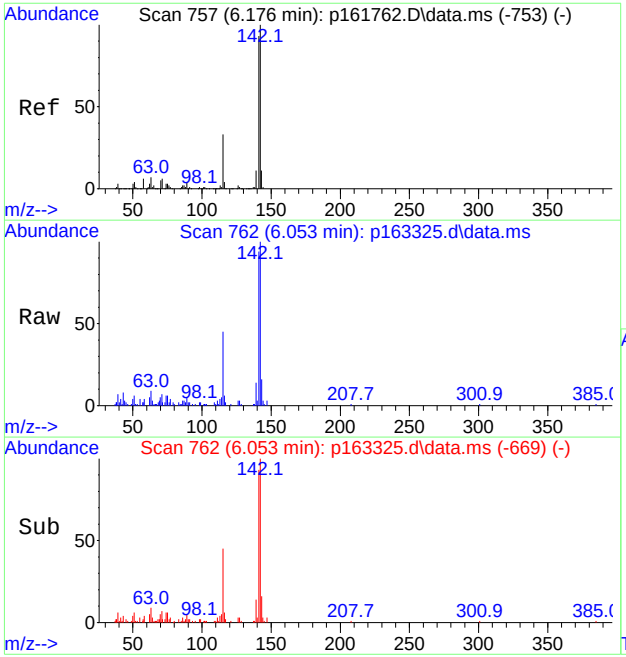


#44
2-Methylnaphthalene
Concen: 1.4331 ppm
RT: 5.978 min Scan# 748
Delta R.T. -0.005 min
Lab File: p163325.d
Acq: 29 Nov 2024 6:13 pm

Tgt Ion:141 Resp: 9487

Ion	Ratio	Lower	Upper
141	100		
142	100.1	78.5	138.5
115	42.3	10.1	70.1

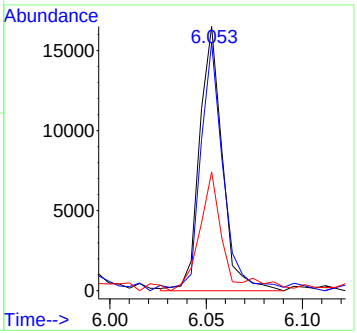


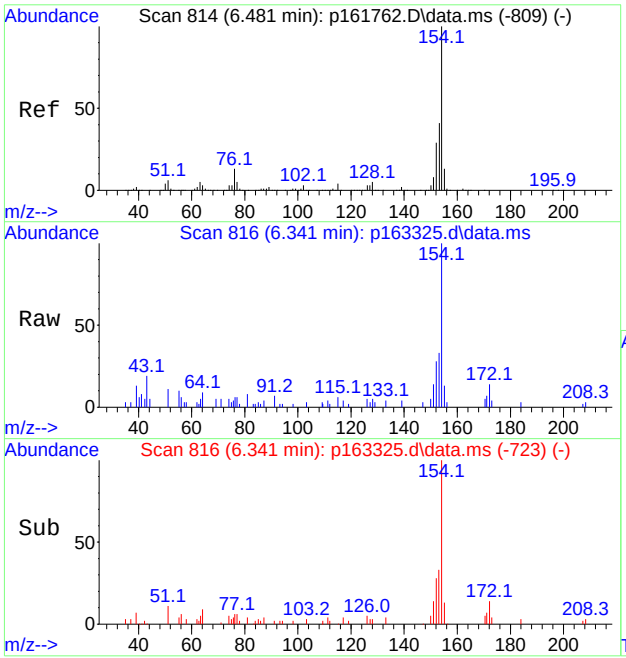


#45
1-Methylnaphthalene
Concen: 2.0255 ppm
RT: 6.053 min Scan# 762
Delta R.T. -0.005 min
Lab File: p163325.d
Acq: 29 Nov 2024 6:13 pm

Tgt Ion:142 Resp: 13612

Ion	Ratio	Lower	Upper
142	100		
141	92.6	60.3	120.3
115	43.4	7.8	67.8

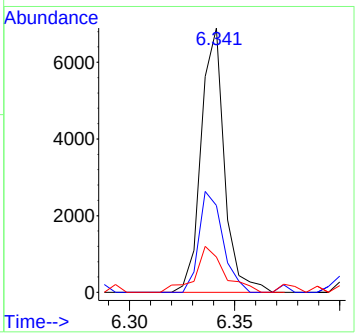


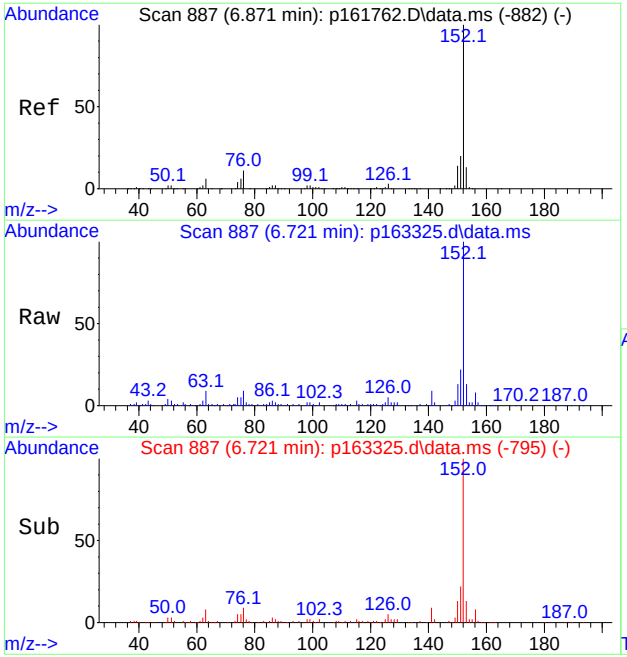


#53
Biphenyl
Concen: 0.5772 ppm
RT: 6.341 min Scan# 816
Delta R.T. -0.005 min
Lab File: p163325.d
Acq: 29 Nov 2024 6:13 pm

Tgt Ion:154 Resp: 5312

Ion	Ratio	Lower	Upper
154	100		
153	31.5	13.4	73.4
155	11.8	0.0	43.8

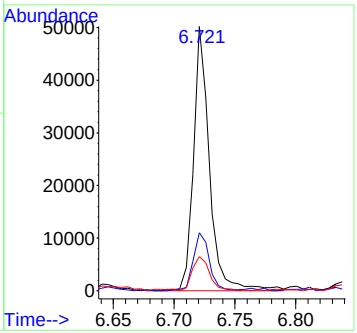


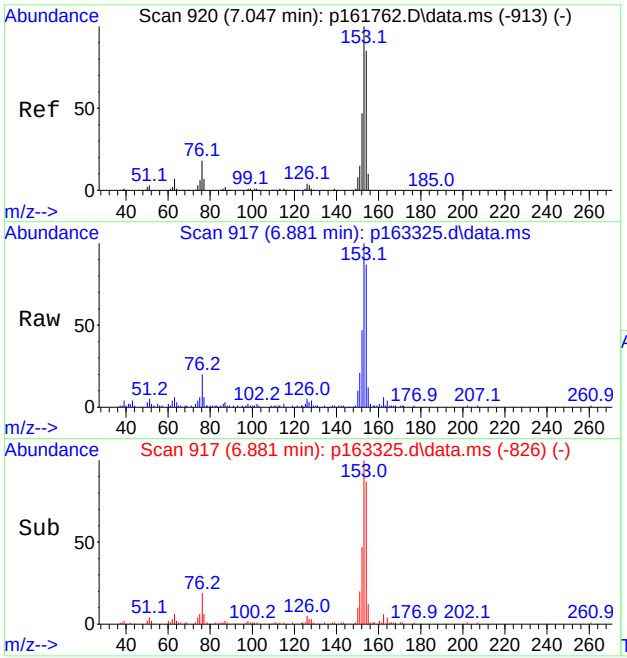


#56
Acenaphthylene
Concen: 4.7938 ppm
RT: 6.721 min Scan# 887
Delta R.T. -0.011 min
Lab File: p163325.d
Acq: 29 Nov 2024 6:13 pm

Tgt Ion:152 Resp: 46246

Ion	Ratio	Lower	Upper
152	100		
151	21.9	0.0	52.0
153	12.5	0.0	44.2

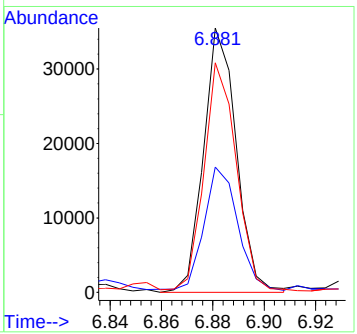


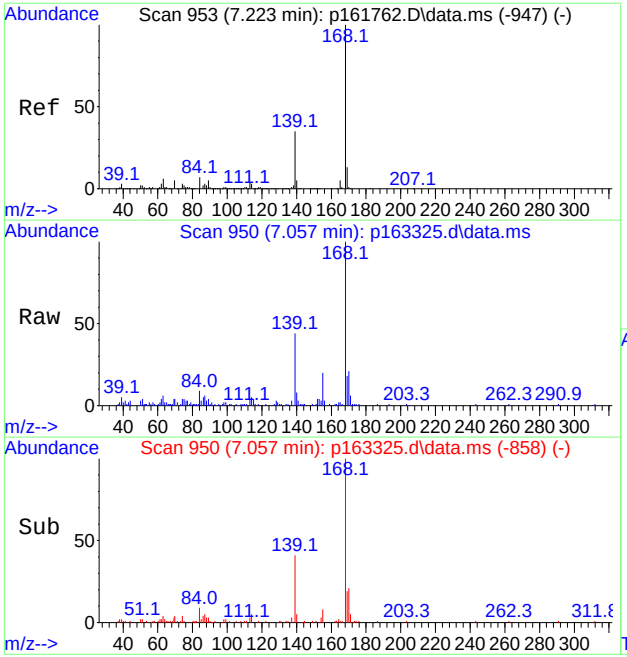


#59
Acenaphthene
Concen: 4.1743 ppm
RT: 6.881 min Scan# 917
Delta R.T. -0.016 min
Lab File: p163325.d
Acq: 29 Nov 2024 6:13 pm

Tgt Ion:153 Resp: 31582

Ion	Ratio	Lower	Upper
153	100		
152	46.8	19.0	79.0
154	86.4	56.2	116.2

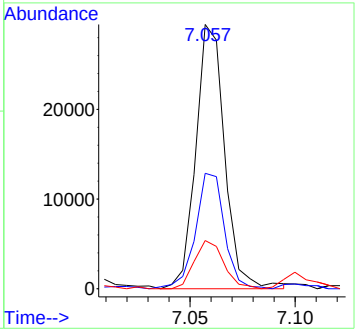


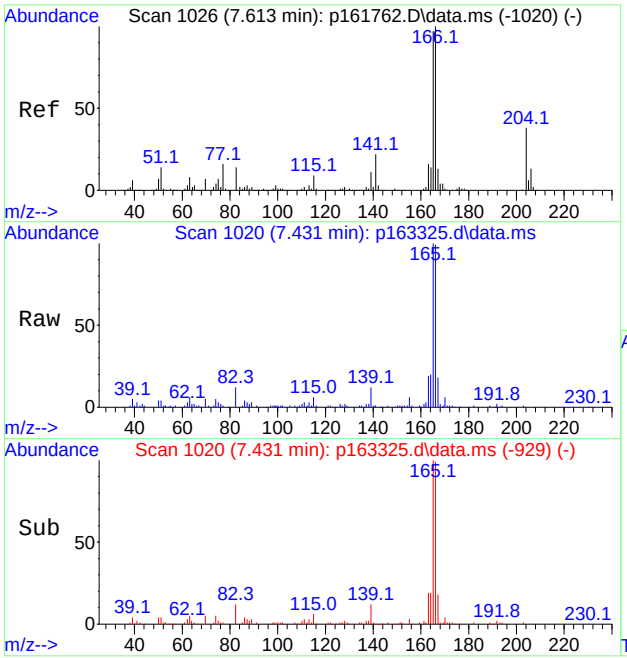


#62
Dibenzofuran
Concen: 2.6556 ppm
RT: 7.057 min Scan# 950
Delta R.T. -0.011 min
Lab File: p163325.d
Acq: 29 Nov 2024 6:13 pm

Tgt Ion:168 Resp: 28270

Ion	Ratio	Lower	Upper
168	100		
139	42.9	9.5	69.5
169	16.7	0.0	45.0

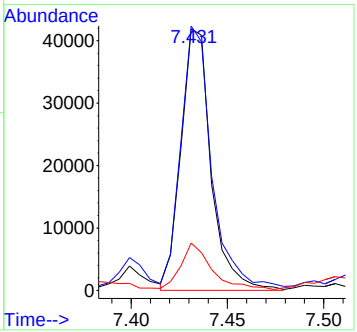


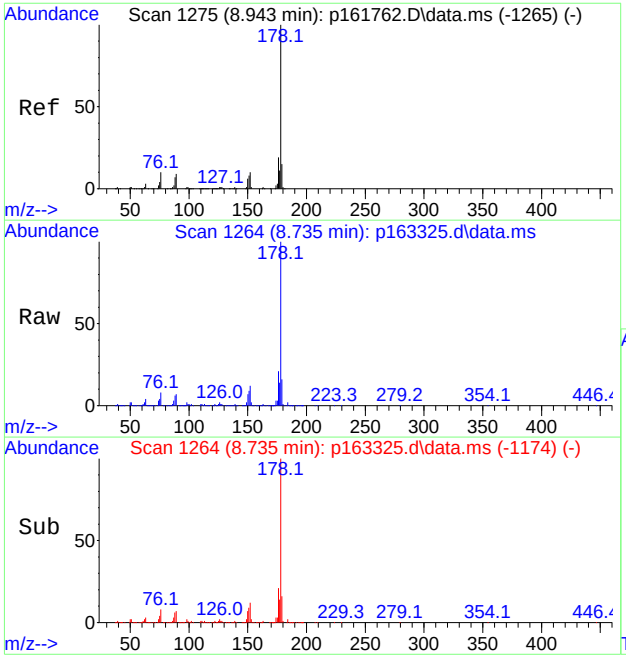


#66
Fluorene
Concen: 5.5710 ppm
RT: 7.431 min Scan# 1020
Delta R.T. -0.016 min
Lab File: p163325.d
Acq: 29 Nov 2024 6:13 pm

Tgt Ion:166 Resp: 45555

Ion	Ratio	Lower	Upper
166	100		
165	101.0	66.7	126.7
167	17.6	0.0	44.7

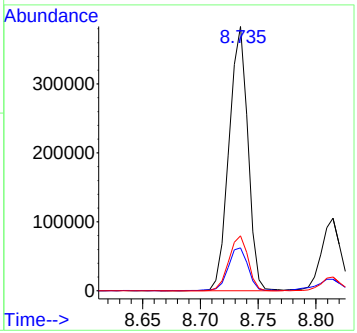


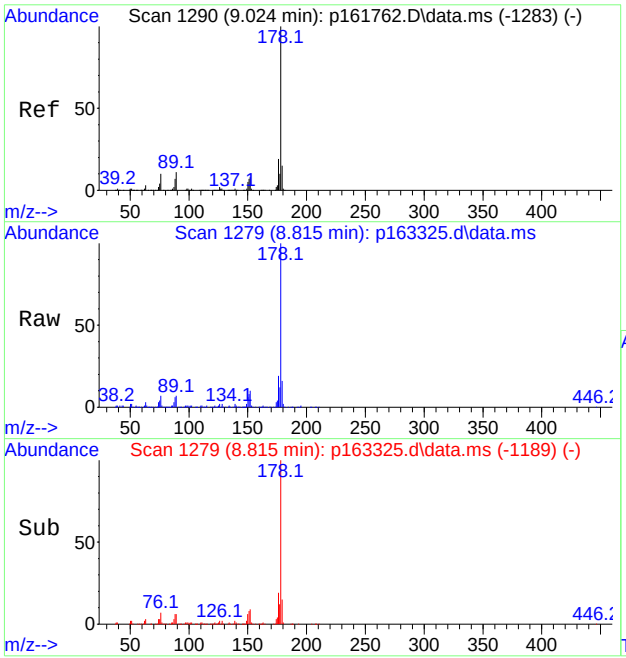


#77
Phenanthrene
Concen: 39.4377 ppm
RT: 8.735 min Scan# 1264
Delta R.T. -0.021 min
Lab File: p163325.d
Acq: 29 Nov 2024 6:13 pm

Tgt Ion:178 Resp: 436794

Ion	Ratio	Lower	Upper
178	100		
179	16.1	0.0	47.6
176	20.8	0.0	50.9

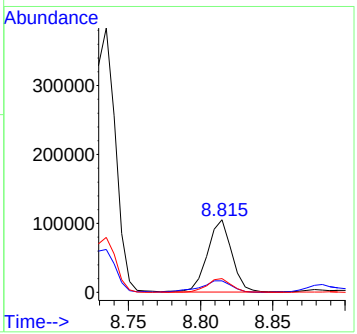


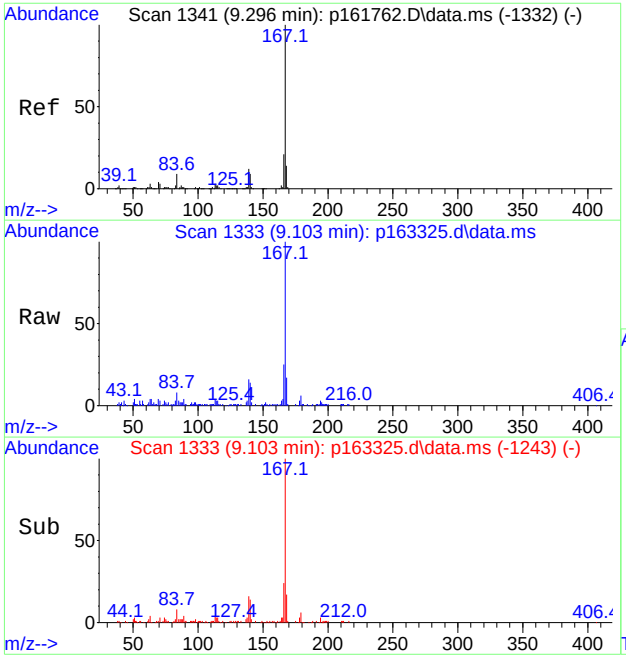


#78
Anthracene
Concen: 11.3743 ppm
RT: 8.815 min Scan# 1279
Delta R.T. -0.021 min
Lab File: p163325.d
Acq: 29 Nov 2024 6:13 pm

Tgt Ion:178 Resp: 123507

Ion	Ratio	Lower	Upper
178	100		
179	15.4	0.0	47.5
176	18.9	0.0	50.5

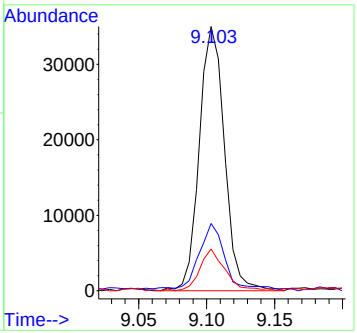


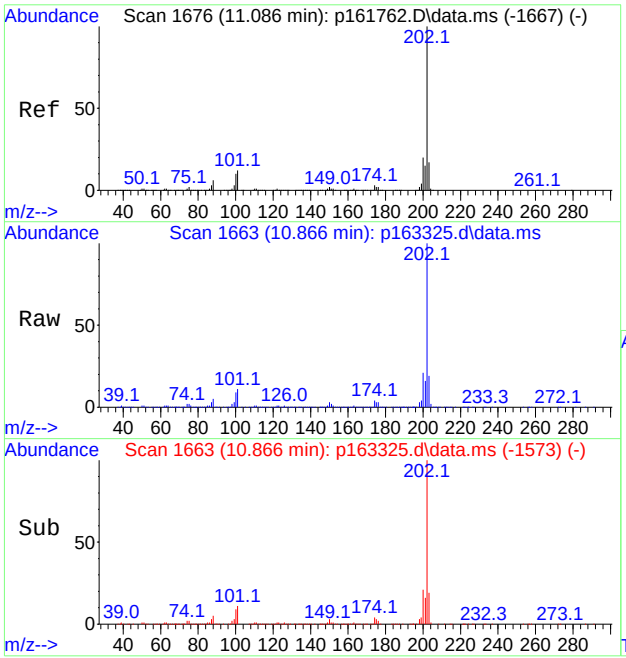


#79
Carbazole
Concen: 4.3821 ppm
RT: 9.103 min Scan# 1333
Delta R.T. -0.021 min
Lab File: p163325.d
Acq: 29 Nov 2024 6:13 pm

Tgt Ion:167 Resp: 45083

Ion	Ratio	Lower	Upper
167	100		
166	24.4	0.0	54.1
139	15.4	0.0	44.0

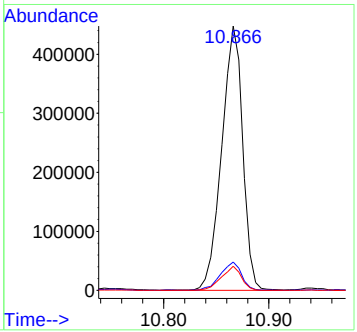


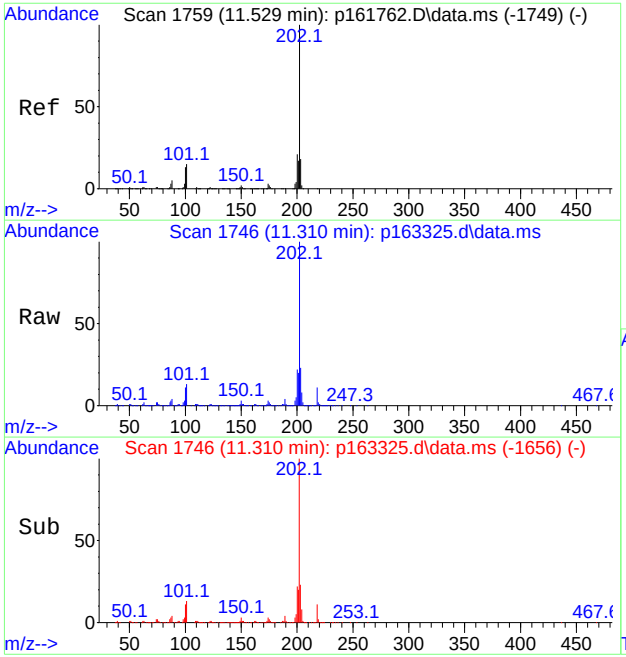


#81
Fluoranthene
Concen: 47.4076 ppm
RT: 10.866 min Scan# 1663
Delta R.T. -0.021 min
Lab File: p163325.d
Acq: 29 Nov 2024 6:13 pm

Tgt Ion:202 Resp: 621767

Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	41.3
100	9.1	0.0	38.8

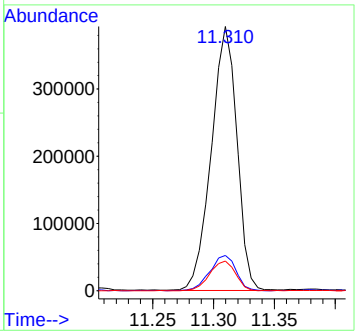


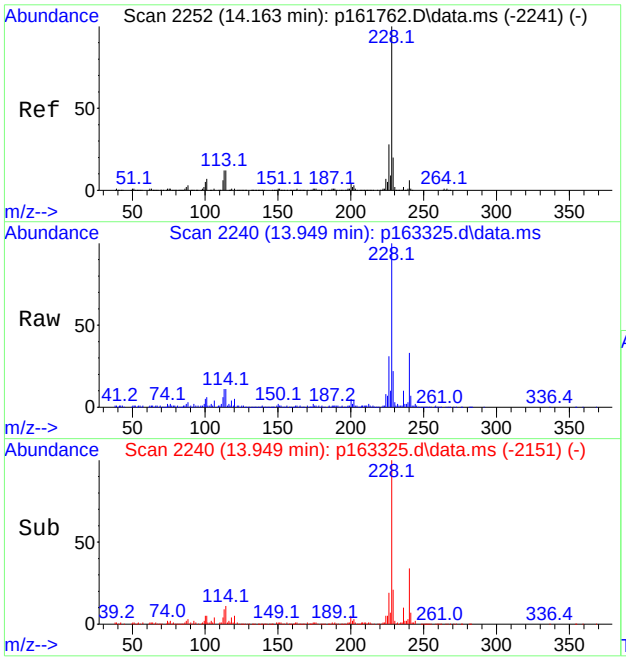


#85
Pyrene
Concen: 40.2564 ppm
RT: 11.310 min Scan# 1746
Delta R.T. -0.021 min
Lab File: p163325.d
Acq: 29 Nov 2024 6:13 pm

Tgt Ion:202 Resp: 574729

Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	42.8
100	11.3	0.0	40.8

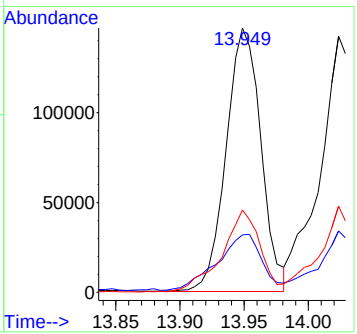


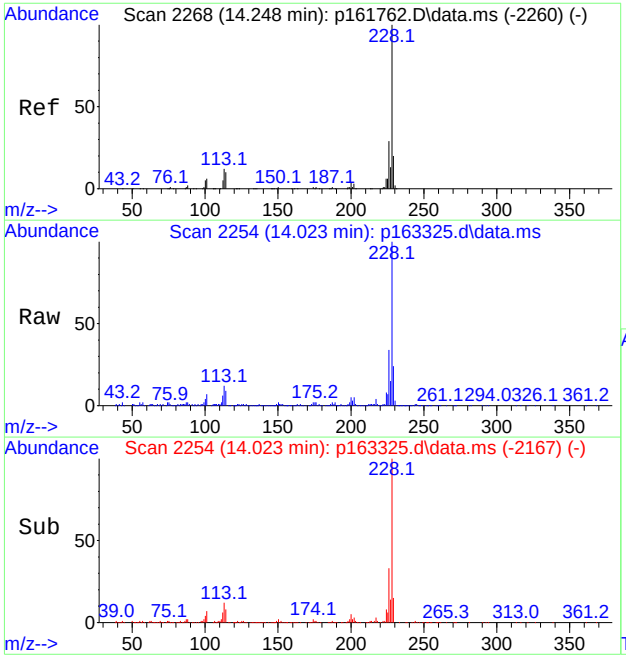


#88
Benzo[a]anthracene
Concen: 20.2077 ppm
RT: 13.949 min Scan# 2240
Delta R.T. -0.027 min
Lab File: p163325.d
Acq: 29 Nov 2024 6:13 pm

Tgt Ion:228 Resp: 276220

Ion	Ratio	Lower	Upper
228	100		
229	20.7	0.0	51.8
226	30.9	0.0	59.7

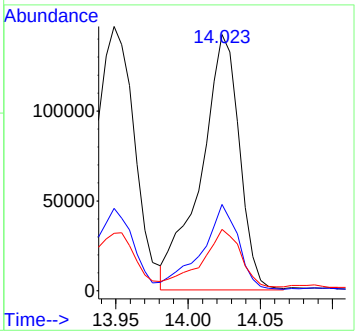


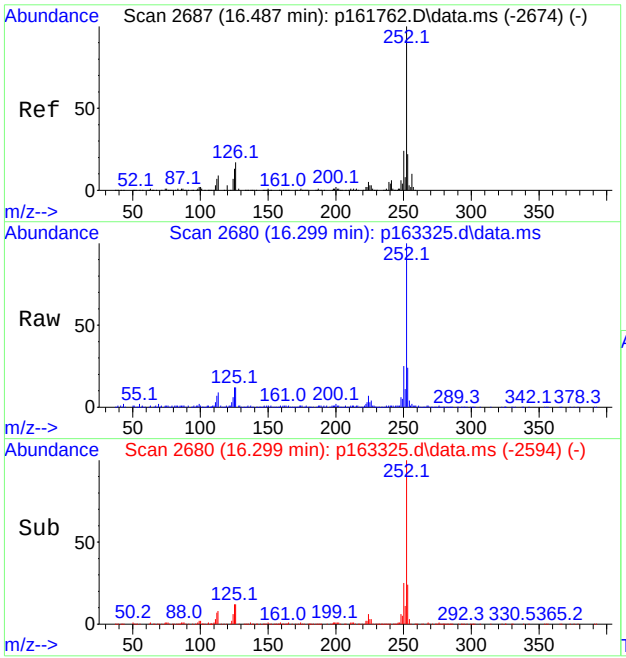


#90
Chrysene
Concen: 20.7623 ppm
RT: 14.023 min Scan# 2254
Delta R.T. -0.037 min
Lab File: p163325.d
Acq: 29 Nov 2024 6:13 pm

Tgt Ion:228 Resp: 264802

Ion	Ratio	Lower	Upper
228	100		
226	33.6	1.2	61.2
229	22.6	0.0	51.1

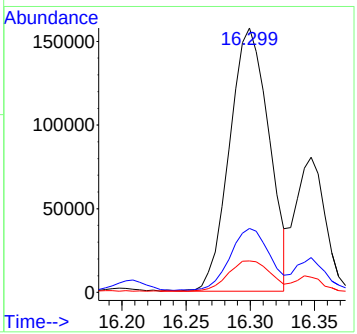


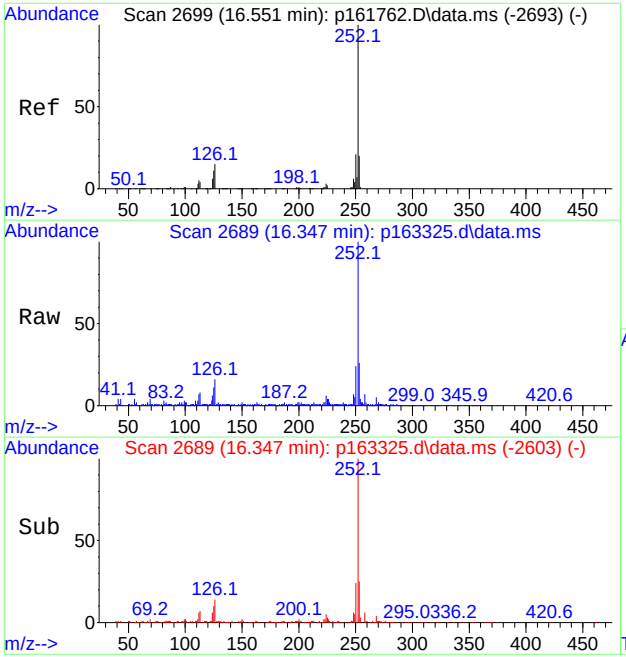


#94
Benzo[b]fluoranthene
Concen: 23.6097 ppm
RT: 16.299 min Scan# 2680
Delta R.T. -0.043 min
Lab File: p163325.d
Acq: 29 Nov 2024 6:13 pm

Tgt Ion:252 Resp: 337199

Ion	Ratio	Lower	Upper
252	100		
253	23.2	0.0	53.5
125	11.5	0.0	39.8

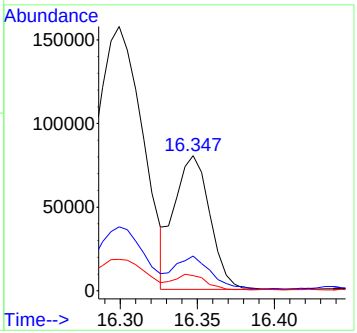


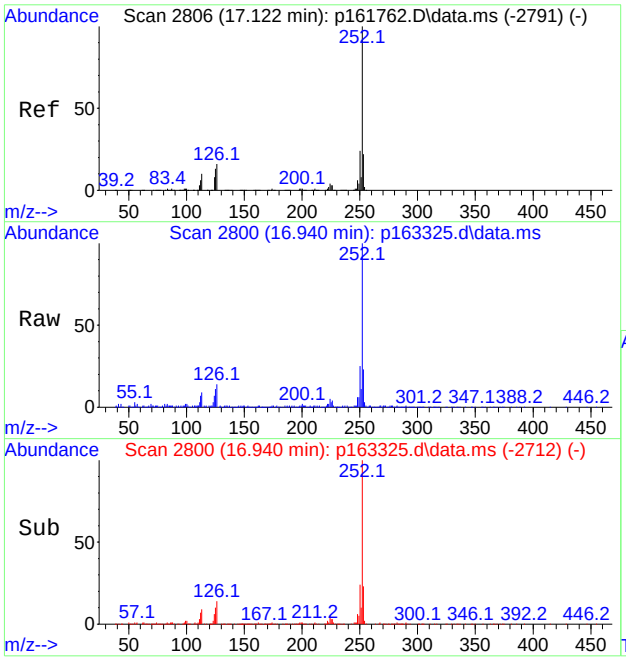


#95
Benzo[k]fluoranthene
Concen: 9.1694 ppm
RT: 16.347 min Scan# 2689
Delta R.T. -0.043 min
Lab File: p163325.d
Acq: 29 Nov 2024 6:13 pm

Tgt Ion:252 Resp: 127395

Ion	Ratio	Lower	Upper
252	100		
253	24.7	0.0	53.6
125	10.3	0.0	41.8

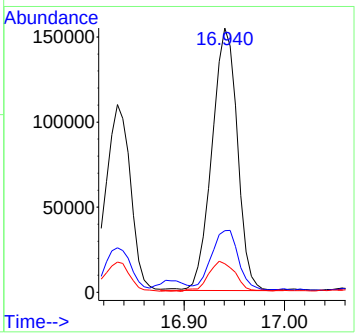


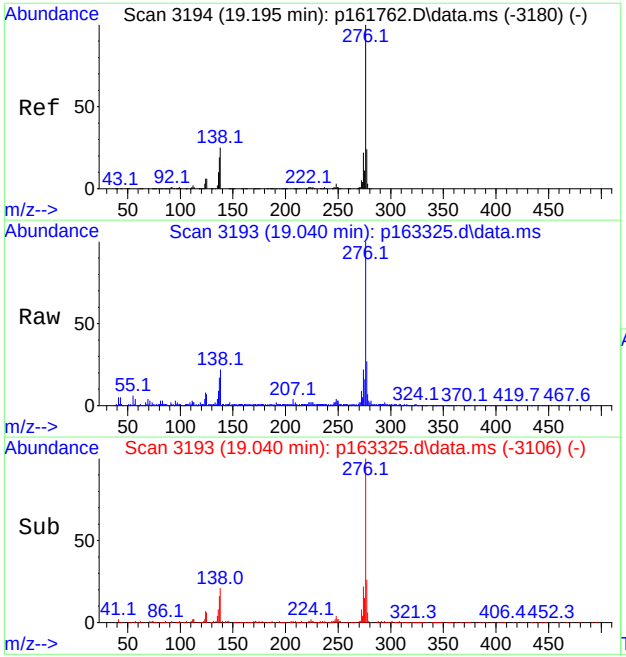


#96
Benzo[a]pyrene
Concen: 22.0344 ppm
RT: 16.940 min Scan# 2800
Delta R.T. -0.032 min
Lab File: p163325.d
Acq: 29 Nov 2024 6:13 pm

Tgt Ion:252 Resp: 271507

Ion	Ratio	Lower	Upper
252	100		
253	21.4	0.0	52.8
125	10.4	0.0	41.9

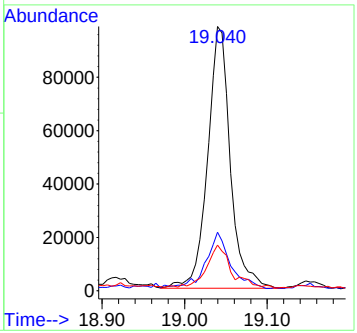


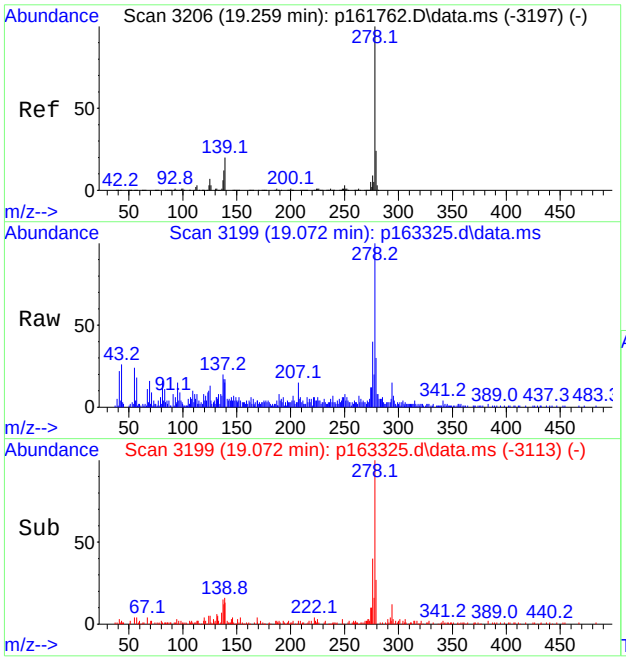


#97
Indeno[1,2,3-cd]pyrene
Concen: 14.0812 ppm
RT: 19.040 min Scan# 3193
Delta R.T. -0.037 min
Lab File: p163325.d
Acq: 29 Nov 2024 6:13 pm

Tgt Ion:276 Resp: 186841

Ion	Ratio	Lower	Upper
276	100		
138	21.2	0.0	46.9
137	16.1	0.0	44.1

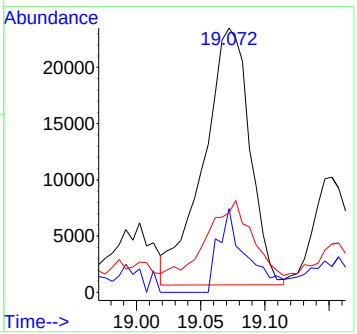


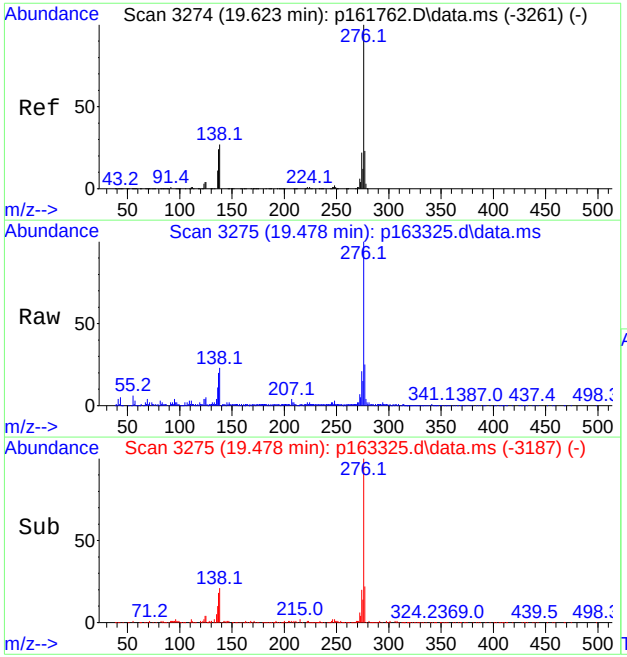


#99
Dibenz[a,h]anthracene
Concen: 4.4455 ppm
RT: 19.072 min Scan# 3199
Delta R.T. -0.043 min
Lab File: p163325.d
Acq: 29 Nov 2024 6:13 pm

Tgt Ion:278 Resp: 57126

Ion	Ratio	Lower	Upper
278	100		
139	32.3	0.0	46.8
279	25.8	0.0	56.4

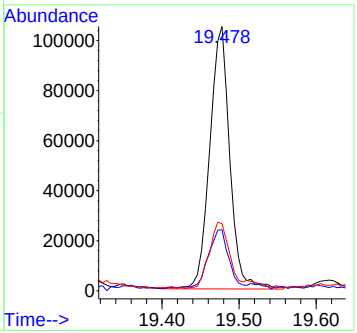




#101
Benzo[g,h,i]perylene
Concen: 14.6414 ppm
RT: 19.478 min Scan# 3275
Delta R.T. -0.032 min
Lab File: p163325.d
Acq: 29 Nov 2024 6:13 pm

Tgt Ion:276 Resp: 189909

Ion	Ratio	Lower	Upper
276	100		
138	22.0	0.0	52.3
277	24.4	0.0	55.6



Manual Integrations APPROVED (compounds with "m" flag)
Jezreel Oblin
12/01/24 13:12

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\danielas\ep7621\
Data File : p163315.d
Acq On : 29 Nov 2024 2:06 pm
Operator : kristis
Sample : je1296-16 Inst : GCMSP
Misc : op59724,ep7621,30.7,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 01 14:30:38 2024
Quant Method : X:\Dayton SVOA GCMS\danielas\METHODS\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Dec 01 13:06:54 2024
Response via : Initial Calibration

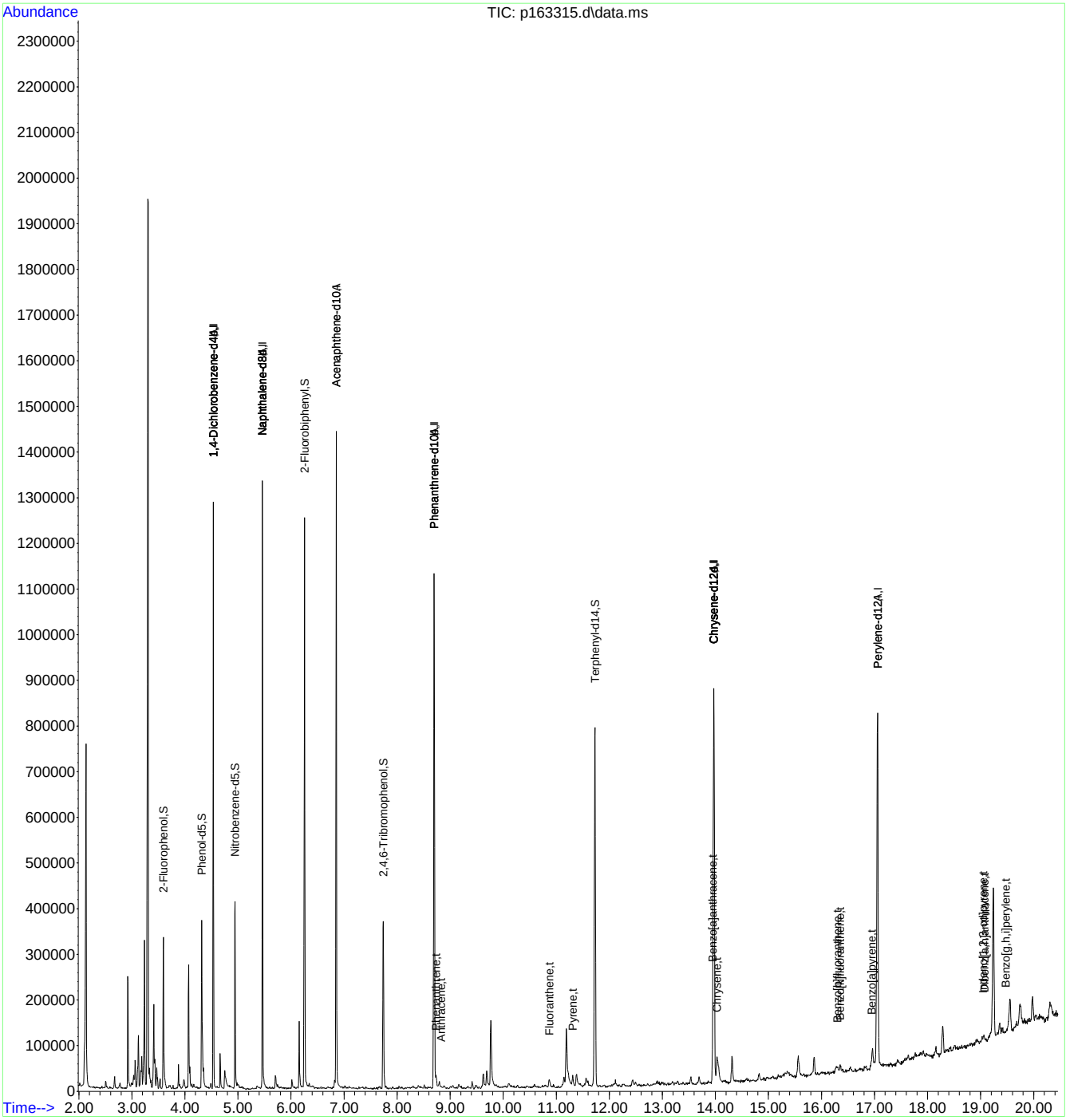
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.535	152	142206	40.00	ppm	0.00
24) Naphthalene-d8	5.460	136	487750	40.00	ppm	0.00
46) Acenaphthene-d10	6.854	164	278937	40.00	ppm	0.00
69) Phenanthrene-d10	8.697	188	502039	40.00	ppm	-0.02
83) Chrysene-d12	13.970	240	487062	40.00	ppm	-0.03
92) Perylene-d12	17.058	264	460530	40.00	ppm	-0.03
102) 1,4-Dichlorobenzene-d4A	4.535	152	142206	40.00	ppm	0.00
112) Naphthalene-d8A	5.460	136	487750	40.00	ppm	0.00
121) Acenaphthene-d10A	6.854	164	278937	40.00	ppm	0.00
132) Phenanthrene-d10A	8.697	188	502039	40.00	ppm	-0.02
147) Chrysene-d12A	13.970	240	487062	40.00	ppm	-0.03
154) Perylene-d12A	17.058	264	460530	40.00	ppm	-0.03
158) 1,4-Dichlorobenzene-d4b	4.535	152	142206	40.00	ppm	0.00
160) Phenanthrene-d10b	8.697	188	502039	40.00	ppm	-0.02
162) Naphthalene-d8b	5.460	136	487750	40.00	ppm	# 0.00
164) Naphthalene-d8c	5.460	136	487750	40.00	ppm	0.00
168) 1,4-Dichlorobenzene-d4c	4.535	152	142206	40.00	ppm	0.00
170) Chrysene-d12c	13.970	240	487062	40.00	ppm	-0.03
172) Chrysene-d12d	13.970	240	487062	40.00	ppm	-0.03
174) Naphthalene-d8d	5.460	136	487750	40.00	ppm	0.00
176) Chrysene-d12e	13.970	240	487062	40.00	ppm	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.595	112	89565	21.10	ppm	0.00
Spiked Amount 50.000			Recovery = 42.20%			
8) Phenol-d5	4.316	99	113811	22.34	ppm	0.00
Spiked Amount 50.000			Recovery = 44.68%			
25) Nitrobenzene-d5	4.947	82	104707	28.55	ppm	0.00
Spiked Amount 50.000			Recovery = 57.10%			
51) 2-Fluorobiphenyl	6.256	172	278753	28.91	ppm	0.00
Spiked Amount 50.000			Recovery = 57.82%			
73) 2,4,6-Tribromophenol	7.741	330	53862	44.80	ppm	0.00
Spiked Amount 50.000			Recovery = 89.60%			
86) Terphenyl-d14	11.731	244	386290	33.07	ppm	-0.02
Spiked Amount 50.000			Recovery = 66.14%			
Target Compounds						Qvalue
77) Phenanthrene	8.734	178	5195	0.4089	ppm	91
78) Anthracene	8.831	178	955	0.0767	ppm	45
81) Fluoranthene	10.866	202	10391	0.6906	ppm	94
85) Pyrene	11.309	202	9566	0.5791	ppm	77
88) Benzo[a]anthracene	13.948	228	6158	0.3894	ppm	64
90) Chrysene	14.029	228	5783	0.3919	ppm	86
94) Benzo[b]fluoranthene	16.299	252	6457	0.4753	ppm	92
95) Benzo[k]fluoranthene	16.352	252	2648	0.2004	ppm	87
96) Benzo[a]pyrene	16.945	252	4528	0.3863	ppm	92
97) Indeno[1,2,3-cd]pyrene	19.045	276	3312	0.2624	ppm	84
99) Dibenz[a,h]anthracene	19.072	278	1876	0.1535	ppm	56
101) Benzo[g,h,i]perylene	19.472	276	4111m	0.3332	ppm	

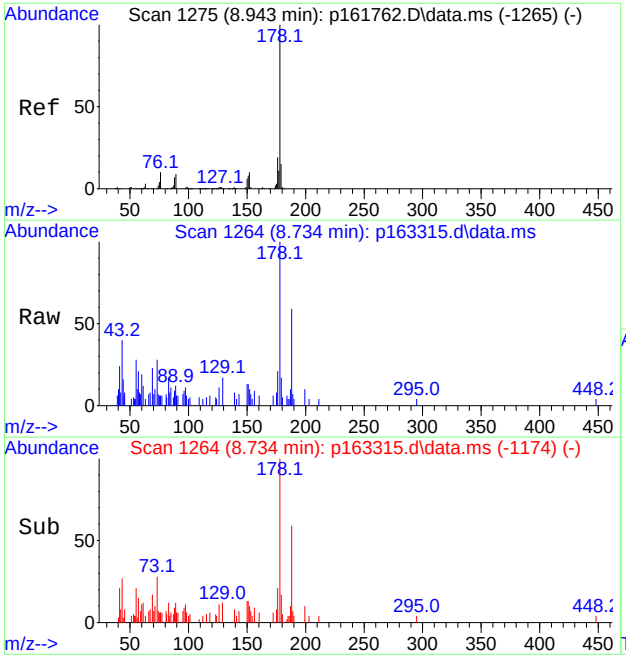
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\danielas\ep7621\
Data File : p163315.d
Acq On : 29 Nov 2024 2:06 pm
Operator : kristis
Sample : je1296-16 Inst : GCMSP
Misc : op59724,ep7621,30.7,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 01 14:30:38 2024
Quant Method : X:\Dayton SVOA GCMS\danielas\METHODS\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Dec 01 13:06:54 2024
Response via : Initial Calibration

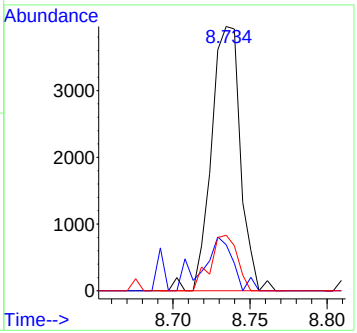


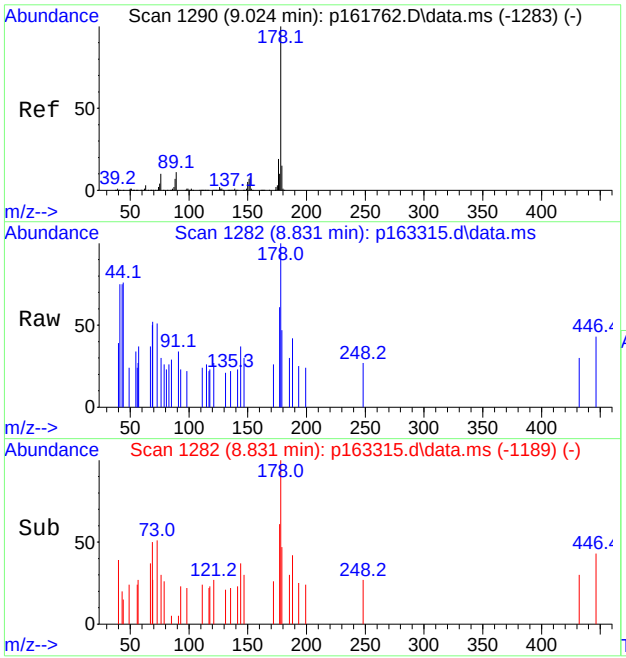


#77
Phenanthrene
Concen: 0.4089 ppm
RT: 8.734 min Scan# 1264
Delta R.T. -0.022 min
Lab File: p163315.d
Acq: 29 Nov 2024 2:06 pm

Tgt Ion:178 Resp: 5195

Ion	Ratio	Lower	Upper
178	100		
179	9.6	0.0	47.6
176	21.6	0.0	50.9

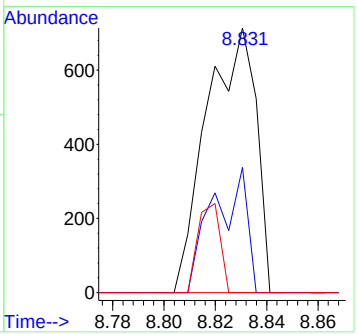


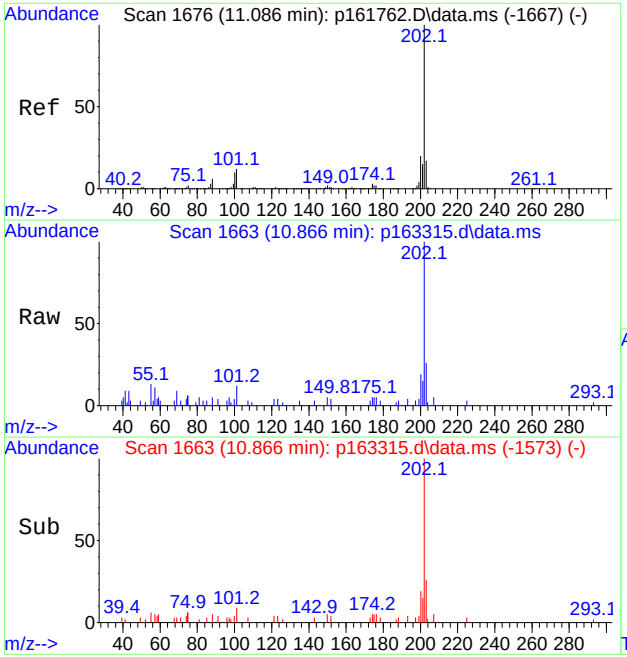


#78
Anthracene
Concen: 0.0767 ppm
RT: 8.831 min Scan# 1282
Delta R.T. -0.006 min
Lab File: p163315.d
Acq: 29 Nov 2024 2:06 pm

Tgt Ion:178 Resp: 955

Ion	Ratio	Lower	Upper
178	100		
179	47.3	0.0	47.5
176	0.0	0.0	50.5

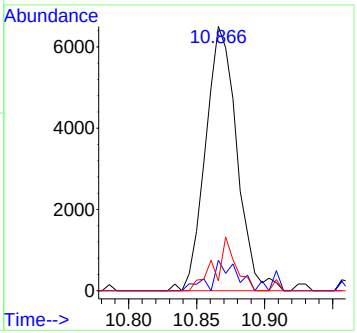


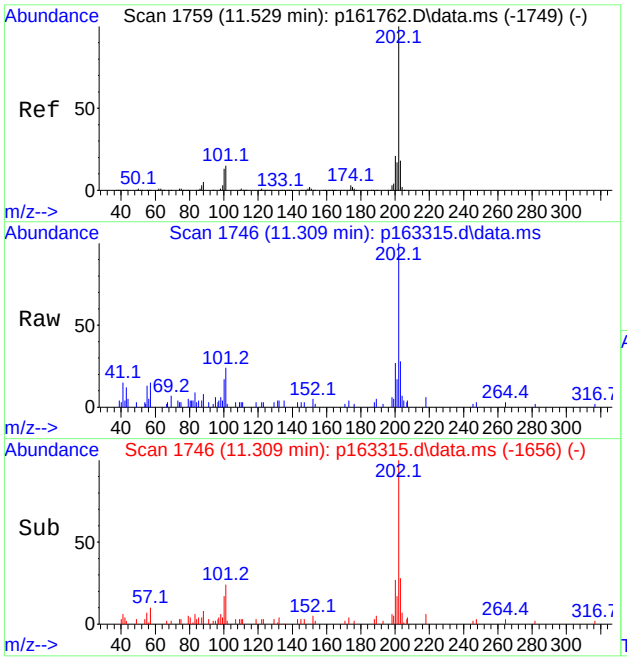


#81
Fluoranthene
Concen: 0.6906 ppm
RT: 10.866 min Scan# 1663
Delta R.T. -0.022 min
Lab File: p163315.d
Acq: 29 Nov 2024 2:06 pm

Tgt Ion:202 Resp: 10391

Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	41.3
100	3.8	0.0	38.8

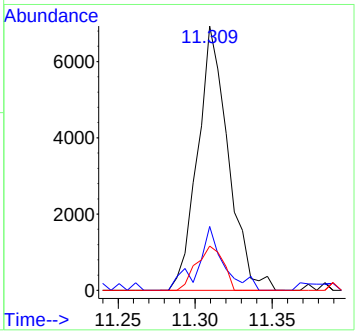


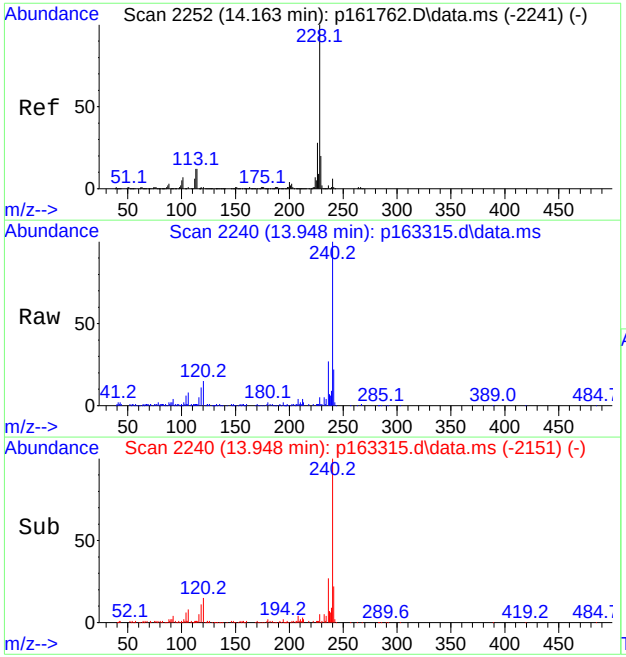


#85
Pyrene
Concen: 0.5791 ppm
RT: 11.309 min Scan# 1746
Delta R.T. -0.022 min
Lab File: p163315.d
Acq: 29 Nov 2024 2:06 pm

Tgt Ion:202 Resp: 9566

Ion	Ratio	Lower	Upper
202	100		
101	24.2	0.0	42.8
100	16.8	0.0	40.8

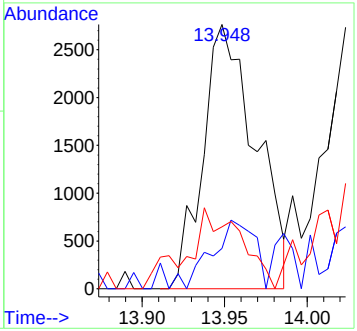


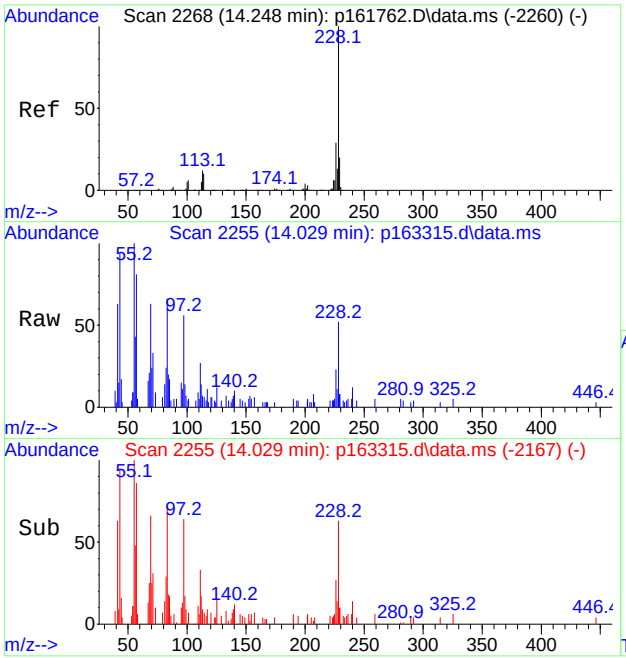


#88
Benzo[a]anthracene
Concen: 0.3894 ppm
RT: 13.948 min Scan# 2240
Delta R.T. -0.027 min
Lab File: p163315.d
Acq: 29 Nov 2024 2:06 pm

Tgt Ion:228 Resp: 6158

Ion	Ratio	Lower	Upper
228	100		
229	0.0	0.0	51.8
226	14.2	0.0	59.7

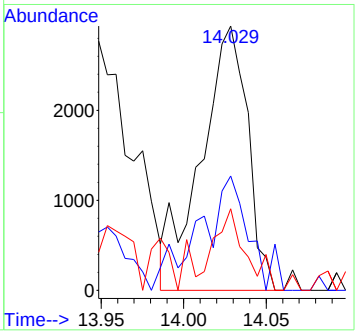


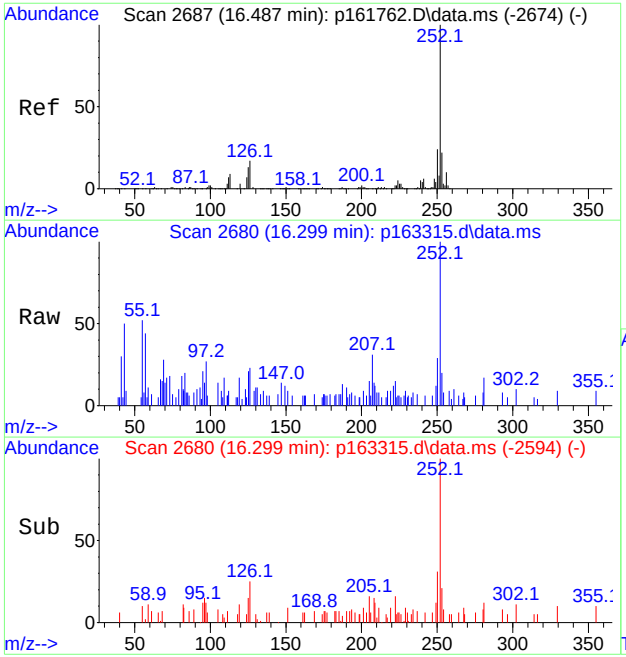


#90
Chrysene
Concen: 0.3919 ppm
RT: 14.029 min Scan# 2255
Delta R.T. -0.032 min
Lab File: p163315.d
Acq: 29 Nov 2024 2:06 pm

Tgt Ion:228 Resp: 5783

Ion	Ratio	Lower	Upper
228	100		
226	42.7	1.2	61.2
229	23.1	0.0	51.1

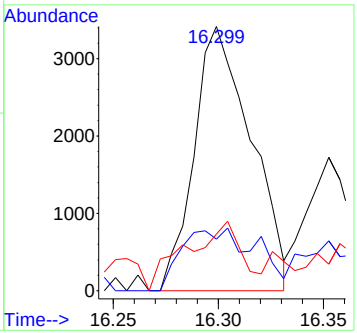


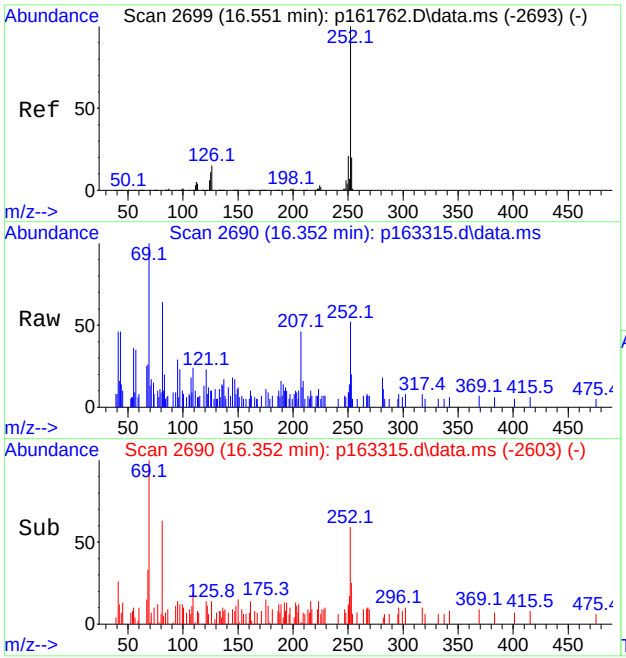


#94
Benzo[b]fluoranthene
Concen: 0.4753 ppm
RT: 16.299 min Scan# 2680
Delta R.T. -0.043 min
Lab File: p163315.d
Acq: 29 Nov 2024 2:06 pm

Tgt Ion:252 Resp: 6457

Ion	Ratio	Lower	Upper
252	100		
253	18.3	0.0	53.5
125	10.4	0.0	39.8

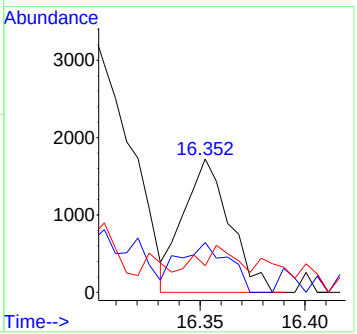


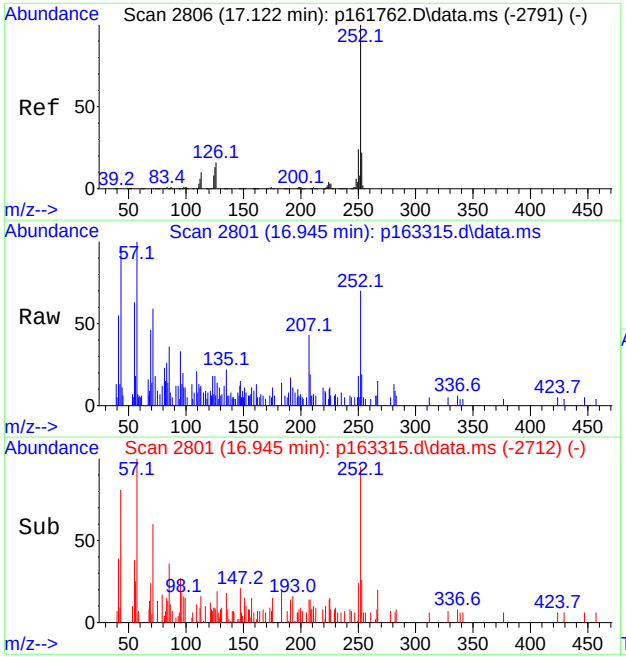


#95
Benzo[k]fluoranthene
Concen: 0.2004 ppm
RT: 16.352 min Scan# 2690
Delta R.T. -0.038 min
Lab File: p163315.d
Acq: 29 Nov 2024 2:06 pm

Tgt Ion:252 Resp: 2648

Ion	Ratio	Lower	Upper
252	100		
253	26.8	0.0	53.6
125	22.0	0.0	41.8

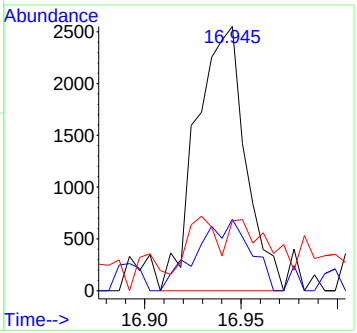


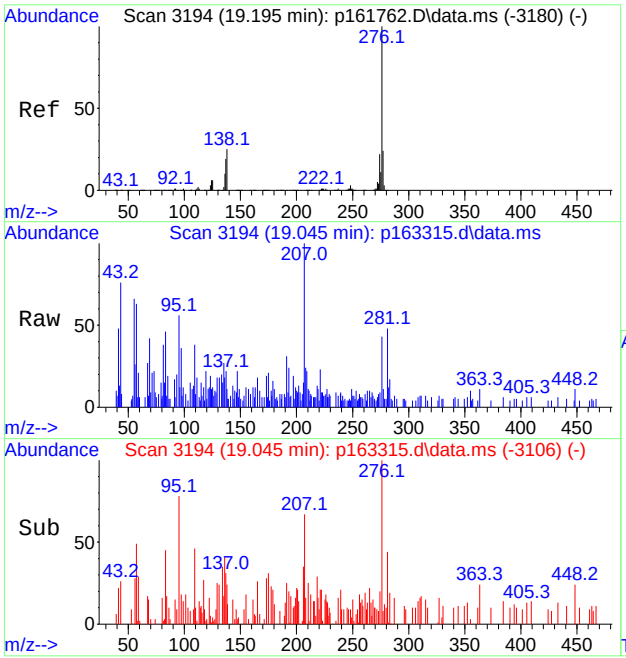


#96
Benzo[a]pyrene
Concen: 0.3863 ppm
RT: 16.945 min Scan# 2801
Delta R.T. -0.027 min
Lab File: p163315.d
Acq: 29 Nov 2024 2:06 pm

Tgt Ion:252 Resp: 4528

Ion	Ratio	Lower	Upper
252	100		
253	27.1	0.0	52.8
125	13.8	0.0	41.9

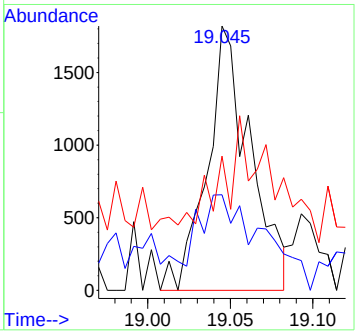


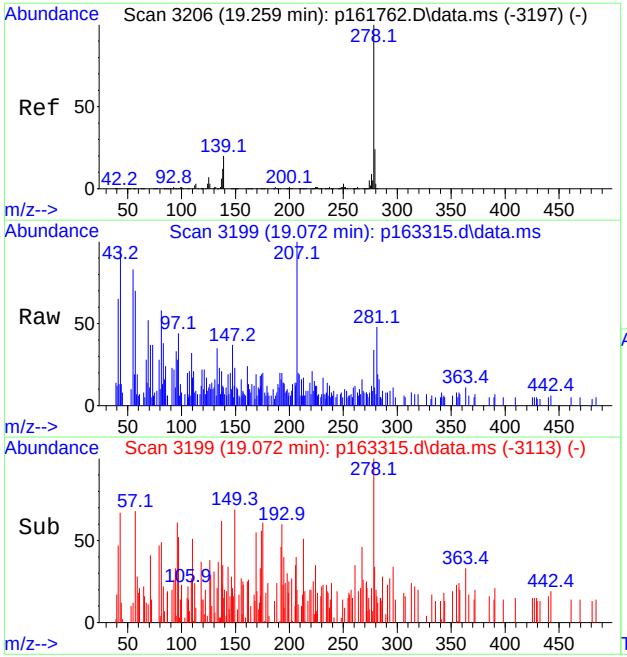


#97
Indeno[1,2,3-cd]pyrene
Concen: 0.2624 ppm
RT: 19.045 min Scan# 3194
Delta R.T. -0.032 min
Lab File: p163315.d
Acq: 29 Nov 2024 2:06 pm

Tgt Ion:276 Resp: 3312

Ion	Ratio	Lower	Upper
276	100		
138	26.5	0.0	46.9
137	17.5	0.0	44.1

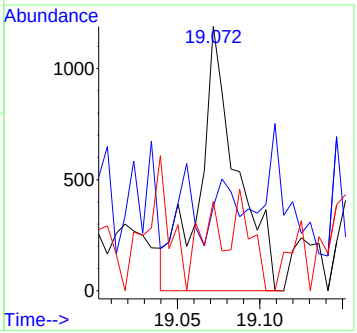


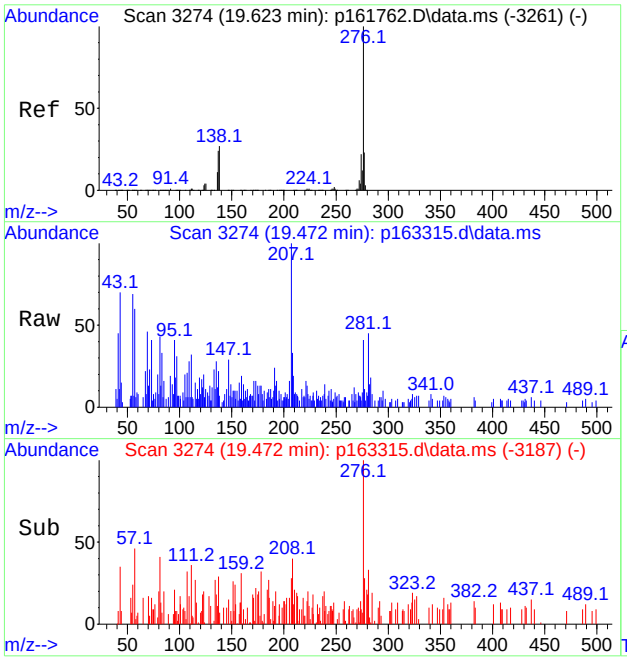


#99
Dibenz[a,h]anthracene
Concen: 0.1535 ppm
RT: 19.072 min Scan# 3199
Delta R.T. -0.043 min
Lab File: p163315.d
Acq: 29 Nov 2024 2:06 pm

Tgt Ion:278 Resp: 1876

Ion	Ratio	Lower	Upper
278	100		
139	31.9	0.0	46.8
279	1.0	0.0	56.4

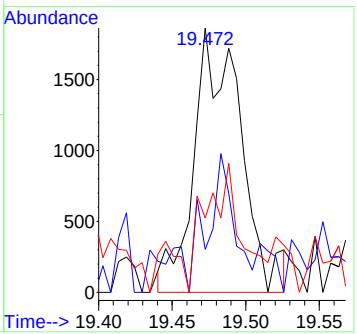




#101
Benzo[g,h,i]perylene
Concen: 0.3332 ppm m
RT: 19.472 min Scan# 3274
Delta R.T. -0.038 min
Lab File: p163315.d
Acq: 29 Nov 2024 2:06 pm

Tgt Ion:276 Resp: 4111

Ion	Ratio	Lower	Upper
276	100		
138	16.2	0.0	52.3
277	28.1	0.0	55.6



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\danielas\ep7621\
Data File : p163316.d
Acq On : 29 Nov 2024 2:31 pm
Operator : kristis
Sample : je1296-20 Inst : GCMSP
Misc : op59724,ep7621,30.2,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 01 14:36:47 2024
Quant Method : X:\Dayton SVOA GCMS\danielas\METHODS\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Dec 01 13:06:54 2024
Response via : Initial Calibration

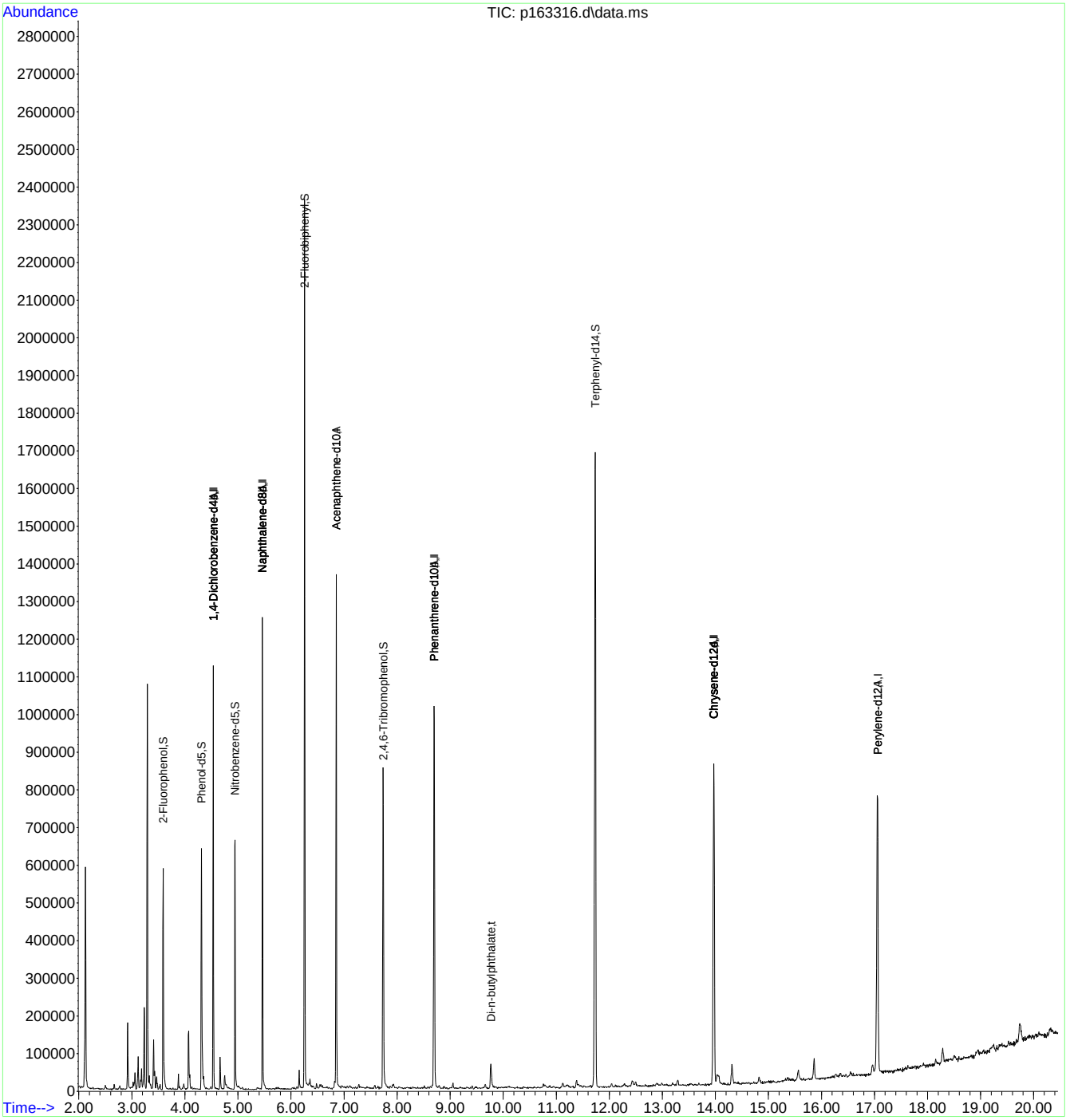
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.536	152	129477	40.00	ppm	0.00
24) Naphthalene-d8	5.460	136	450093	40.00	ppm	0.00
46) Acenaphthene-d10	6.854	164	258448	40.00	ppm	0.00
69) Phenanthrene-d10	8.697	188	478731	40.00	ppm	-0.02
83) Chrysene-d12	13.970	240	483739	40.00	ppm	-0.03
92) Perylene-d12	17.058	264	470103	40.00	ppm	-0.03
102) 1,4-Dichlorobenzene-d4A	4.536	152	129477	40.00	ppm	0.00
112) Naphthalene-d8A	5.460	136	450093	40.00	ppm	0.00
121) Acenaphthene-d10A	6.854	164	258448	40.00	ppm	0.00
132) Phenanthrene-d10A	8.697	188	478731	40.00	ppm	-0.02
147) Chrysene-d12A	13.970	240	483739	40.00	ppm	-0.03
154) Perylene-d12A	17.058	264	470103	40.00	ppm	-0.03
158) 1,4-Dichlorobenzene-d4b	4.536	152	129477	40.00	ppm	0.00
160) Phenanthrene-d10b	8.697	188	478731	40.00	ppm	-0.02
162) Naphthalene-d8b	5.460	136	450093	40.00	ppm	# 0.00
164) Naphthalene-d8c	5.460	136	450093	40.00	ppm	0.00
168) 1,4-Dichlorobenzene-d4c	4.536	152	129477	40.00	ppm	0.00
170) Chrysene-d12c	13.970	240	483739	40.00	ppm	-0.03
172) Chrysene-d12d	13.970	240	483739	40.00	ppm	-0.03
174) Naphthalene-d8d	5.460	136	450093	40.00	ppm	0.00
176) Chrysene-d12e	13.970	240	483739	40.00	ppm	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.590	112	147863	38.26	ppm	0.00
Spiked Amount 50.000			Recovery = 76.52%			
8) Phenol-d5	4.311	99	197950	42.67	ppm	0.00
Spiked Amount 50.000			Recovery = 85.34%			
25) Nitrobenzene-d5	4.947	82	170278	50.32	ppm	0.00
Spiked Amount 50.000			Recovery = 100.64%			
51) 2-Fluorobiphenyl	6.256	172	528438	59.15	ppm	0.00
Spiked Amount 50.000			Recovery = 118.30%			
73) 2,4,6-Tribromophenol	7.741	330	116979	102.03	ppm	0.00
Spiked Amount 50.000			Recovery = 204.06%			
86) Terphenyl-d14	11.737	244	871315	75.10	ppm	-0.01
Spiked Amount 50.000			Recovery = 150.20%			
Target Compounds						Qvalue
80) Di-n-butylphthalate	9.771	149	12317	0.8609	ppm	98

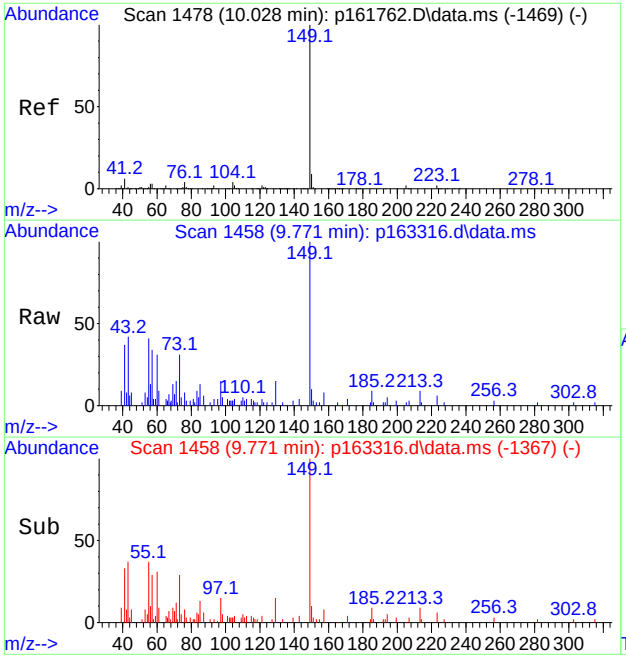
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\danielas\ep7621\
Data File : p163316.d
Acq On : 29 Nov 2024 2:31 pm
Operator : kristis
Sample : je1296-20 Inst : GCMSP
Misc : op59724,ep7621,30.2,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 01 14:36:47 2024
Quant Method : X:\Dayton SVOA GCMS\danielas\METHODS\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Dec 01 13:06:54 2024
Response via : Initial Calibration

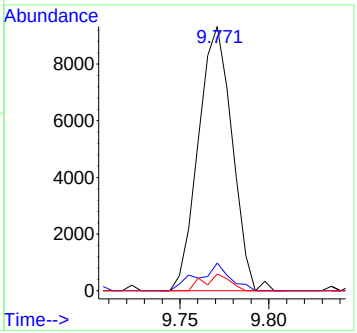




#80
Di-n-butylphthalate
Concen: 0.8609 ppm
RT: 9.771 min Scan# 1458
Delta R.T. -0.016 min
Lab File: p163316.d
Acq: 29 Nov 2024 2:31 pm

Tgt Ion:149 Resp: 12317

Ion	Ratio	Lower	Upper
149	100		
150	10.5	0.0	40.0
104	6.3	0.0	35.0



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\danielas\ep7621\
Data File : p163317.d
Acq On : 29 Nov 2024 2:55 pm
Operator : kristis
Sample : je1296-24 Inst : GCMSP
Misc : op59724,ep7621,30.0,,,1,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 01 14:40:45 2024
Quant Method : X:\Dayton SVOA GCMS\danielas\METHODS\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Dec 01 13:06:54 2024
Response via : Initial Calibration

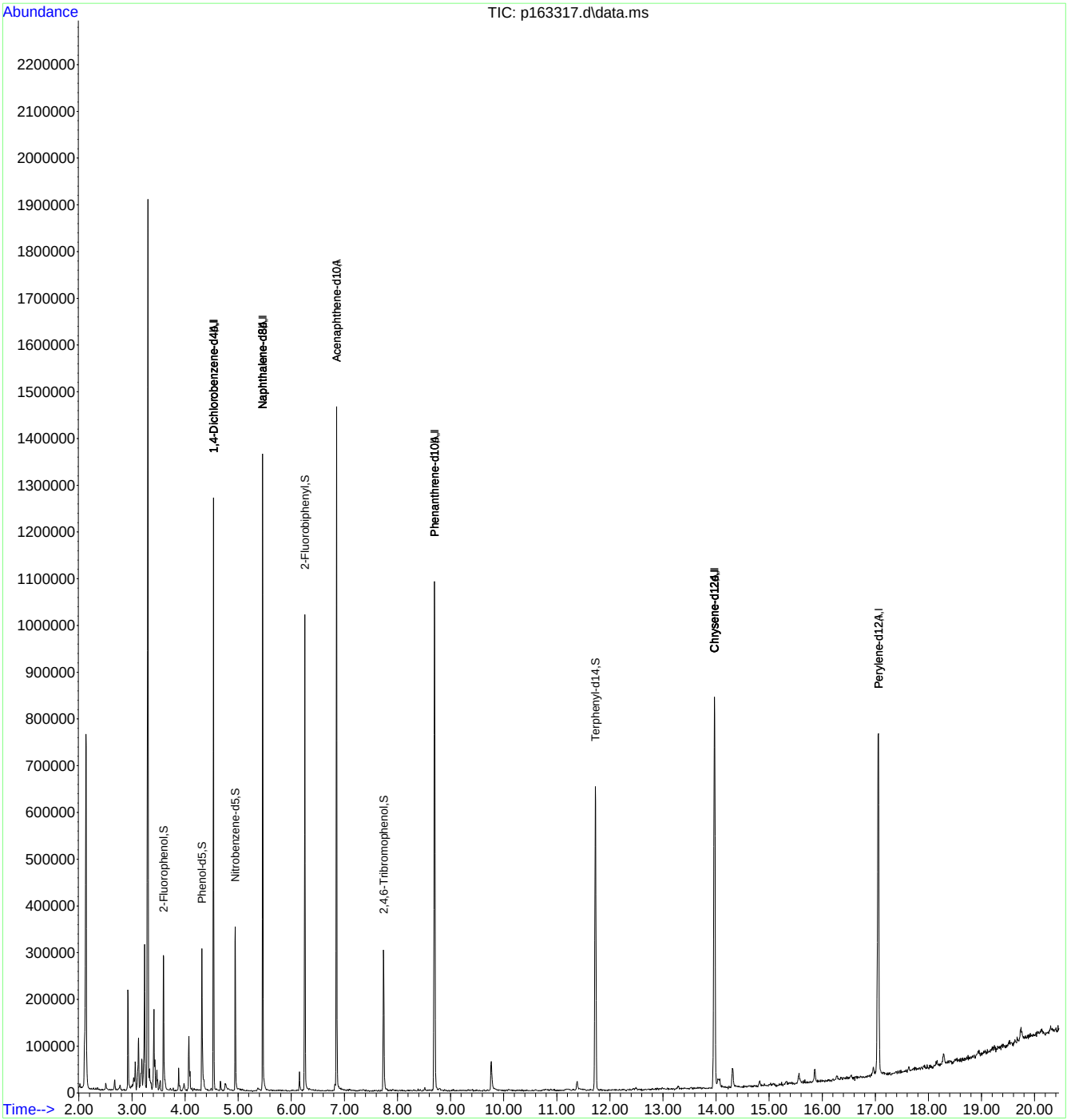
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.536	152	137947	40.00	ppm	0.00
24) Naphthalene-d8	5.460	136	478281	40.00	ppm	0.00
46) Acenaphthene-d10	6.854	164	270942	40.00	ppm	0.00
69) Phenanthrene-d10	8.697	188	497130	40.00	ppm	-0.02
83) Chrysene-d12	13.970	240	479112	40.00	ppm	-0.03
92) Perylene-d12	17.058	264	448622	40.00	ppm	-0.03
102) 1,4-Dichlorobenzene-d4A	4.536	152	137947	40.00	ppm	0.00
112) Naphthalene-d8A	5.460	136	478281	40.00	ppm	0.00
121) Acenaphthene-d10A	6.854	164	270942	40.00	ppm	0.00
132) Phenanthrene-d10A	8.697	188	497130	40.00	ppm	-0.02
147) Chrysene-d12A	13.970	240	479112	40.00	ppm	-0.03
154) Perylene-d12A	17.058	264	448622	40.00	ppm	-0.03
158) 1,4-Dichlorobenzene-d4b	4.536	152	137947	40.00	ppm	0.00
160) Phenanthrene-d10b	8.697	188	497130	40.00	ppm	-0.02
162) Naphthalene-d8b	5.460	136	478281	40.00	ppm	# 0.00
164) Naphthalene-d8c	5.460	136	478281	40.00	ppm	0.00
168) 1,4-Dichlorobenzene-d4c	4.536	152	137947	40.00	ppm	0.00
170) Chrysene-d12c	13.970	240	479112	40.00	ppm	-0.03
172) Chrysene-d12d	13.970	240	479112	40.00	ppm	-0.03
174) Naphthalene-d8d	5.460	136	478281	40.00	ppm	0.00
176) Chrysene-d12e	13.970	240	479112	40.00	ppm	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.595	112	77721	18.88	ppm	0.00
Spiked Amount 50.000			Recovery = 37.76%			
8) Phenol-d5	4.317	99	95347	19.29	ppm	0.00
Spiked Amount 50.000			Recovery = 38.58%			
25) Nitrobenzene-d5	4.947	82	88960	24.74	ppm	0.00
Spiked Amount 50.000			Recovery = 49.48%			
51) 2-Fluorobiphenyl	6.256	172	228945	24.45	ppm	0.00
Spiked Amount 50.000			Recovery = 48.90%			
73) 2,4,6-Tribromophenol	7.741	330	42979	36.10	ppm	0.00
Spiked Amount 50.000			Recovery = 72.20%			
86) Terphenyl-d14	11.726	244	315067	27.42	ppm	-0.02
Spiked Amount 50.000			Recovery = 54.84%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\danielas\ep7621\
Data File : p163317.d
Acq On : 29 Nov 2024 2:55 pm
Operator : kristis
Sample : je1296-24 Inst : GCMSP
Misc : op59724,ep7621,30.0,,,1,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 01 14:40:45 2024
Quant Method : X:\Dayton SVOA GCMS\danielas\METHODS\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Dec 01 13:06:54 2024
Response via : Initial Calibration



MP7559.M Sun Dec 01 15:41:19 2024 Page: 2

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\danielas\ep7621\
Data File : p163318.d
Acq On : 29 Nov 2024 3:20 pm
Operator : kristis
Sample : je1296-26 Inst : GCMSP
Misc : op59724,ep7621,30.2,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 01 14:44:21 2024
Quant Method : X:\Dayton SVOA GCMS\danielas\METHODS\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Dec 01 13:06:54 2024
Response via : Initial Calibration

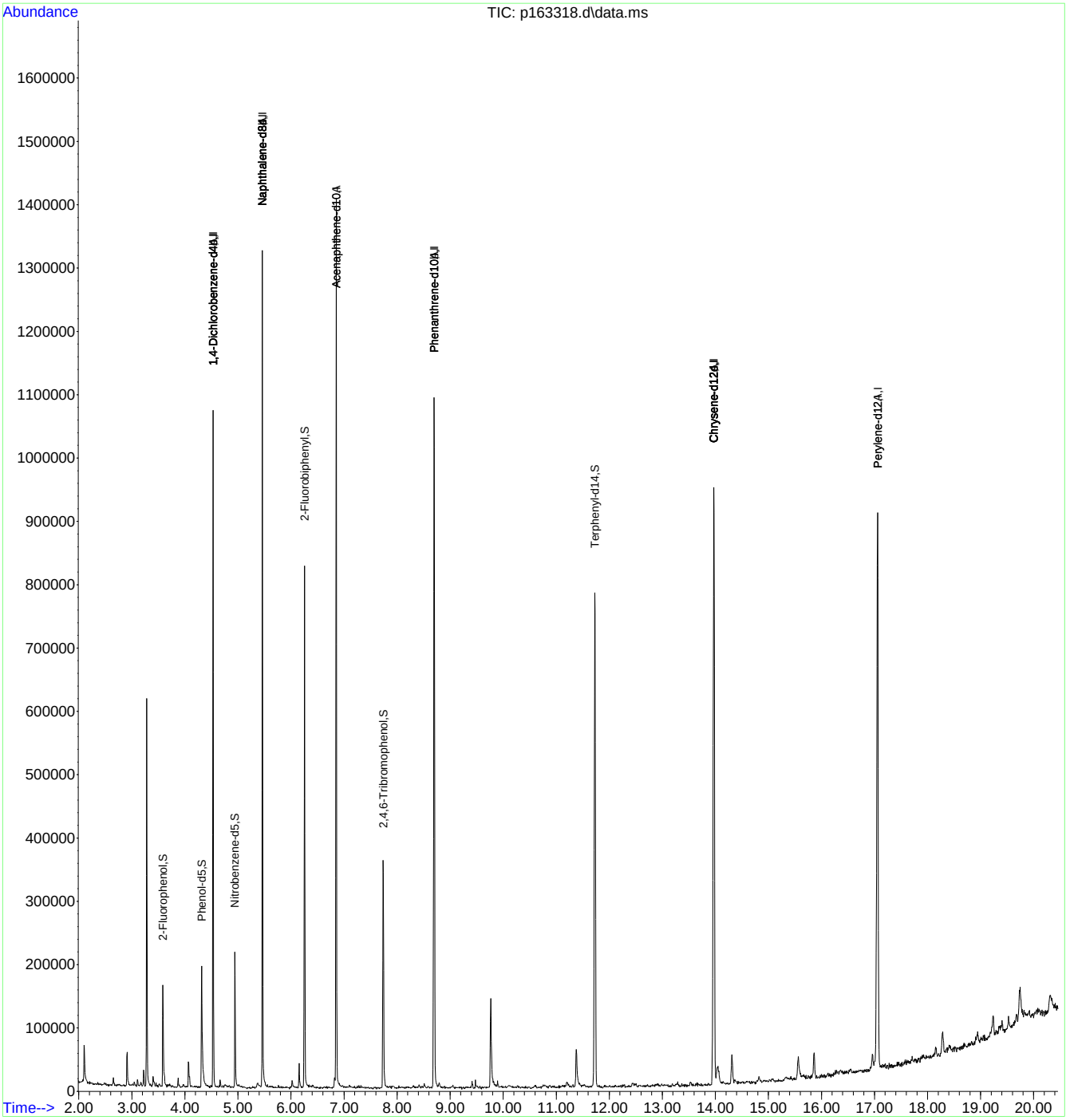
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.530	152	125191	40.00	ppm	0.00
24) Naphthalene-d8	5.460	136	443644	40.00	ppm	0.00
46) Acenaphthene-d10	6.854	164	264750	40.00	ppm	0.00
69) Phenanthrene-d10	8.697	188	503284	40.00	ppm	-0.02
83) Chrysene-d12	13.970	240	538791	40.00	ppm	-0.03
92) Perylene-d12	17.058	264	532038	40.00	ppm	-0.03
102) 1,4-Dichlorobenzene-d4A	4.530	152	125191	40.00	ppm	0.00
112) Naphthalene-d8A	5.460	136	443644	40.00	ppm	0.00
121) Acenaphthene-d10A	6.854	164	264750	40.00	ppm	0.00
132) Phenanthrene-d10A	8.697	188	503284	40.00	ppm	-0.02
147) Chrysene-d12A	13.970	240	538791	40.00	ppm	-0.03
154) Perylene-d12A	17.058	264	532038	40.00	ppm	-0.03
158) 1,4-Dichlorobenzene-d4b	4.530	152	125191	40.00	ppm	0.00
160) Phenanthrene-d10b	8.697	188	503284	40.00	ppm	-0.02
162) Naphthalene-d8b	5.460	136	443644	40.00	ppm	# 0.00
164) Naphthalene-d8c	5.460	136	443644	40.00	ppm	0.00
168) 1,4-Dichlorobenzene-d4c	4.530	152	125191	40.00	ppm	0.00
170) Chrysene-d12c	13.970	240	538791	40.00	ppm	-0.03
172) Chrysene-d12d	13.970	240	538791	40.00	ppm	-0.03
174) Naphthalene-d8d	5.460	136	443644	40.00	ppm	0.00
176) Chrysene-d12e	13.970	240	538791	40.00	ppm	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.585	112	46402	12.42	ppm	0.00
Spiked Amount 50.000			Recovery =	24.84%		
8) Phenol-d5	4.316	99	68868	15.36	ppm	0.00
Spiked Amount 50.000			Recovery =	30.72%		
25) Nitrobenzene-d5	4.942	82	56996	17.09	ppm	-0.01
Spiked Amount 50.000			Recovery =	34.18%		
51) 2-Fluorobiphenyl	6.256	172	185734	20.30	ppm	0.00
Spiked Amount 50.000			Recovery =	40.60%		
73) 2,4,6-Tribromophenol	7.741	330	49877	41.38	ppm	0.00
Spiked Amount 50.000			Recovery =	82.76%		
86) Terphenyl-d14	11.726	244	383267	29.66	ppm	-0.02
Spiked Amount 50.000			Recovery =	59.32%		
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\danielas\ep7621\
Data File : p163318.d
Acq On : 29 Nov 2024 3:20 pm
Operator : kristis
Sample : je1296-26 Inst : GCMSP
Misc : op59724,ep7621,30.2,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 01 14:44:21 2024
Quant Method : X:\Dayton SVOA GCMS\danielas\METHODS\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Dec 01 13:06:54 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\danielas\ep7621\
Data File : p163319.d
Acq On : 29 Nov 2024 3:45 pm
Operator : kristis
Sample : je1296-28 Inst : GCMSP
Misc : op59724,ep7621,30.1,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 01 14:50:11 2024
Quant Method : X:\Dayton SVOA GCMS\danielas\METHODS\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Dec 01 13:06:54 2024
Response via : Initial Calibration

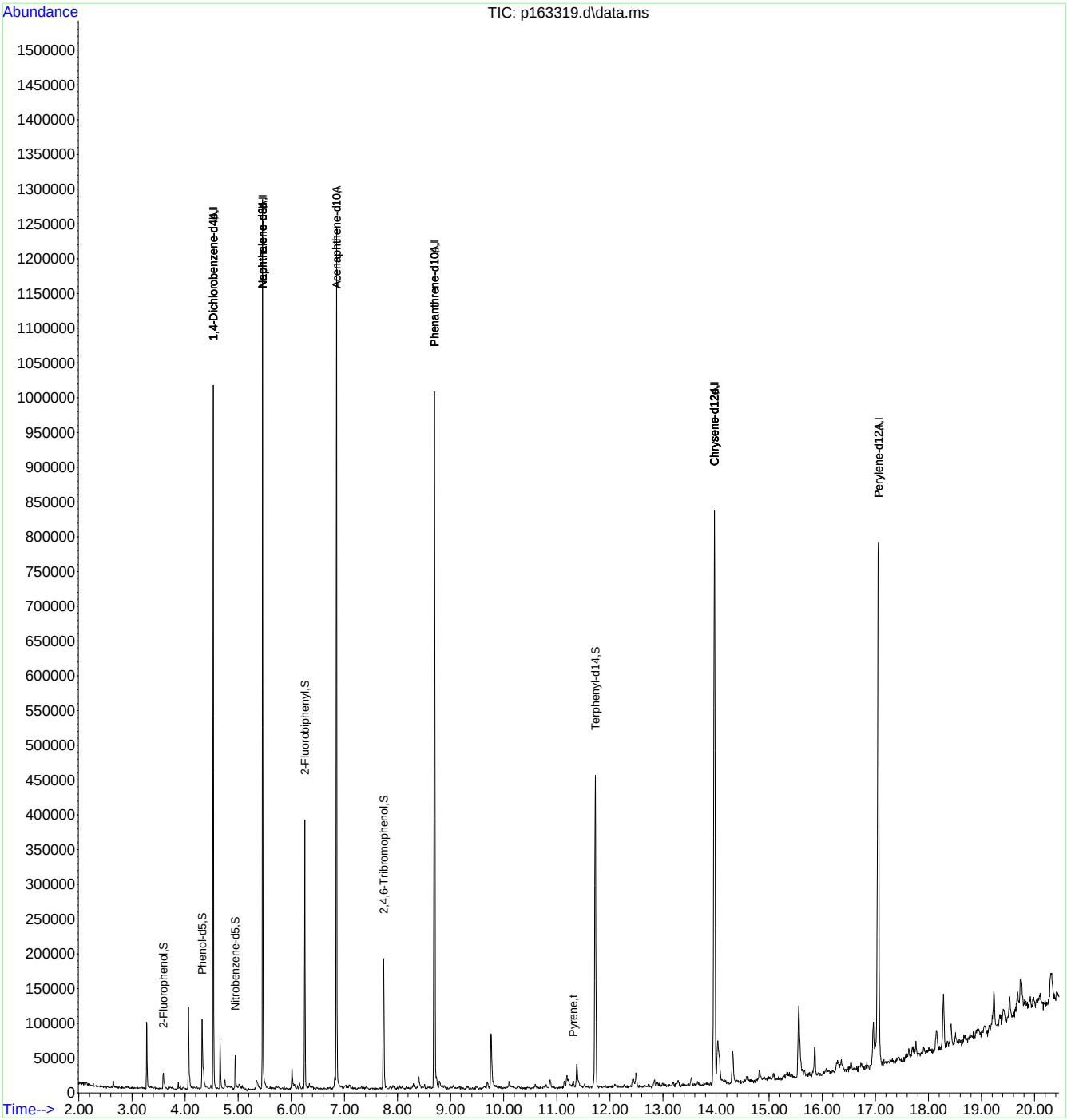
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.530	152	115311	40.00	ppm	0.00
24) Naphthalene-d8	5.460	136	405445	40.00	ppm	0.00
46) Acenaphthene-d10	6.854	164	232255	40.00	ppm	0.00
69) Phenanthrene-d10	8.697	188	441155	40.00	ppm	-0.02
83) Chrysene-d12	13.970	240	462481	40.00	ppm	-0.03
92) Perylene-d12	17.058	264	455032	40.00	ppm	-0.03
102) 1,4-Dichlorobenzene-d4A	4.530	152	115311	40.00	ppm	0.00
112) Naphthalene-d8A	5.460	136	405445	40.00	ppm	0.00
121) Acenaphthene-d10A	6.854	164	232255	40.00	ppm	0.00
132) Phenanthrene-d10A	8.697	188	441155	40.00	ppm	-0.02
147) Chrysene-d12A	13.970	240	462481	40.00	ppm	-0.03
154) Perylene-d12A	17.058	264	455032	40.00	ppm	-0.03
158) 1,4-Dichlorobenzene-d4b	4.530	152	115311	40.00	ppm	0.00
160) Phenanthrene-d10b	8.697	188	441155	40.00	ppm	-0.02
162) Naphthalene-d8b	5.460	136	405445	40.00	ppm	# 0.00
164) Naphthalene-d8c	5.460	136	405445	40.00	ppm	0.00
168) 1,4-Dichlorobenzene-d4c	4.530	152	115311	40.00	ppm	0.00
170) Chrysene-d12c	13.970	240	462481	40.00	ppm	-0.03
172) Chrysene-d12d	13.970	240	462481	40.00	ppm	-0.03
174) Naphthalene-d8d	5.460	136	405445	40.00	ppm	0.00
176) Chrysene-d12e	13.970	240	462481	40.00	ppm	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.590	112	8564	2.49	ppm	0.00
Spiked Amount 50.000			Recovery =	4.98%		
8) Phenol-d5	4.322	99	27499	6.66	ppm	0.01
Spiked Amount 50.000			Recovery =	13.32%		
25) Nitrobenzene-d5	4.947	82	13051	4.28	ppm	0.00
Spiked Amount 50.000			Recovery =	8.56%		
51) 2-Fluorobiphenyl	6.256	172	85387	10.64	ppm	0.00
Spiked Amount 50.000			Recovery =	21.28%		
73) 2,4,6-Tribromophenol	7.741	330	27136	25.68	ppm	0.00
Spiked Amount 50.000			Recovery =	51.36%		
86) Terphenyl-d14	11.726	244	211192	19.04	ppm	-0.02
Spiked Amount 50.000			Recovery =	38.08%		
Target Compounds						Qvalue
85) Pyrene	11.310	202	4500	0.2869	ppm	57

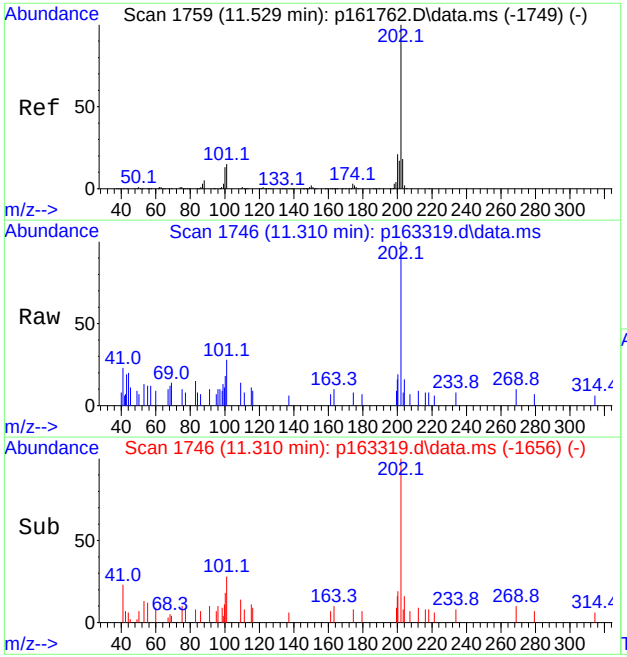
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\danielas\ep7621\
Data File : p163319.d
Acq On : 29 Nov 2024 3:45 pm
Operator : kristis
Sample : je1296-28 Inst : GCMSP
Misc : op59724,ep7621,30.1,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 01 14:50:11 2024
Quant Method : X:\Dayton SVOA GCMS\danielas\METHODS\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Dec 01 13:06:54 2024
Response via : Initial Calibration

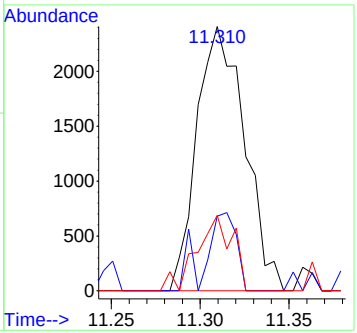




#85
Pyrene
Concen: 0.2869 ppm
RT: 11.310 min Scan# 1746
Delta R.T. -0.021 min
Lab File: p163319.d
Acq: 29 Nov 2024 3:45 pm

Tgt Ion:202 Resp: 4500

Ion	Ratio	Lower	Upper
202	100		
101	28.2	0.0	42.8
100	28.6	0.0	40.8



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\danielas\ep7621\
Data File : p163320.d
Acq On : 29 Nov 2024 4:09 pm
Operator : kristis
Sample : je1296-30 Inst : GCMSP
Misc : op59724,ep7621,30.1,,,1,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 01 14:56:50 2024
Quant Method : X:\Dayton SVOA GCMS\danielas\METHODS\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Dec 01 13:06:54 2024
Response via : Initial Calibration

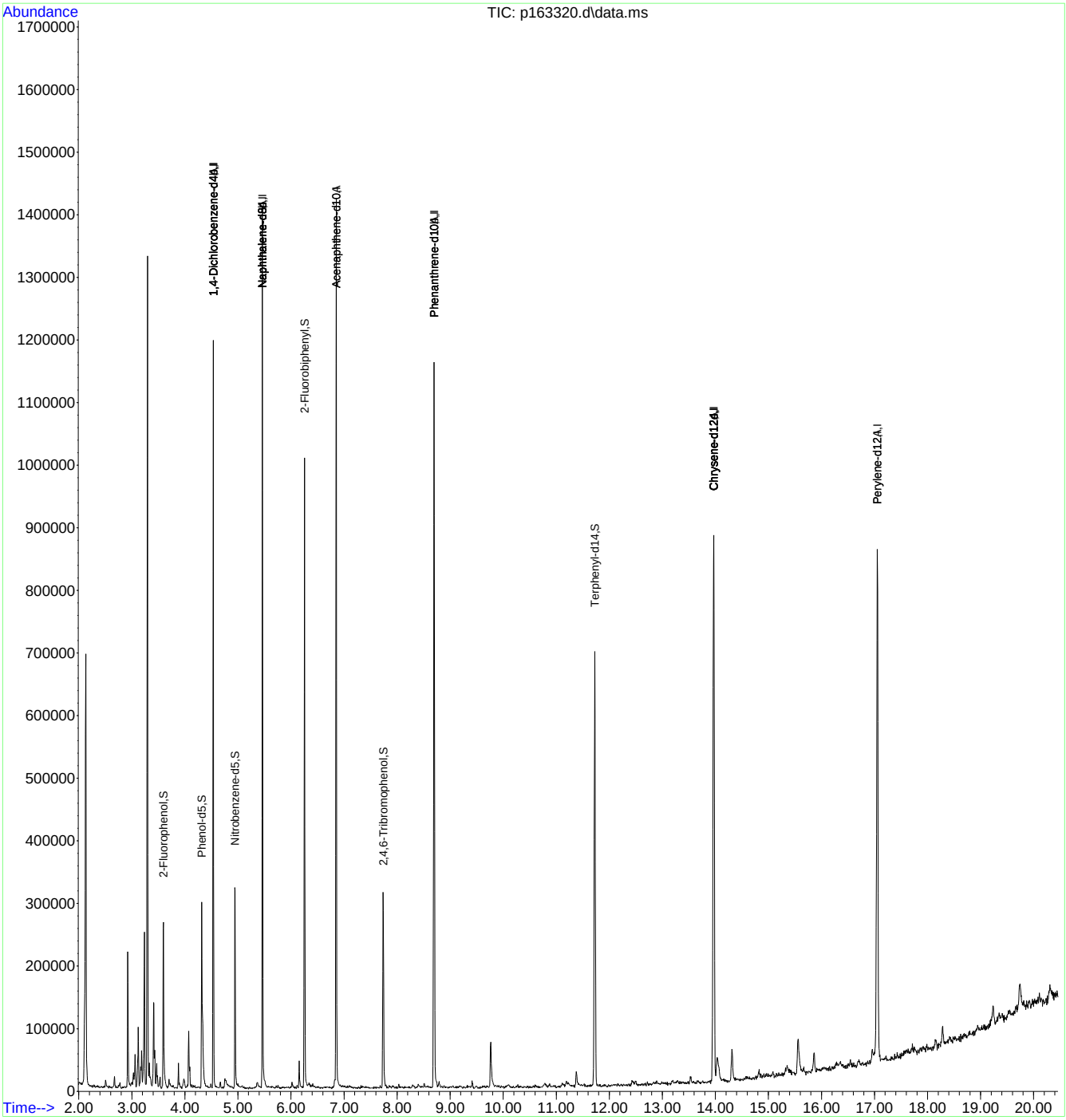
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.536	152	142519	40.00	ppm	0.00
24) Naphthalene-d8	5.460	136	486634	40.00	ppm	0.00
46) Acenaphthene-d10	6.854	164	277787	40.00	ppm	0.00
69) Phenanthrene-d10	8.697	188	510388	40.00	ppm	-0.02
83) Chrysene-d12	13.970	240	509416	40.00	ppm	-0.03
92) Perylene-d12	17.052	264	492004	40.00	ppm	-0.03
102) 1,4-Dichlorobenzene-d4A	4.536	152	142519	40.00	ppm	0.00
112) Naphthalene-d8A	5.460	136	486634	40.00	ppm	0.00
121) Acenaphthene-d10A	6.854	164	277787	40.00	ppm	0.00
132) Phenanthrene-d10A	8.697	188	510388	40.00	ppm	-0.02
147) Chrysene-d12A	13.970	240	509416	40.00	ppm	-0.03
154) Perylene-d12A	17.052	264	492004	40.00	ppm	-0.03
158) 1,4-Dichlorobenzene-d4b	4.536	152	142519	40.00	ppm	0.00
160) Phenanthrene-d10b	8.697	188	510388	40.00	ppm	-0.02
162) Naphthalene-d8b	5.460	136	486634	40.00	ppm	# 0.00
164) Naphthalene-d8c	5.460	136	486634	40.00	ppm	0.00
168) 1,4-Dichlorobenzene-d4c	4.536	152	142519	40.00	ppm	0.00
170) Chrysene-d12c	13.970	240	509416	40.00	ppm	-0.03
172) Chrysene-d12d	13.970	240	509416	40.00	ppm	-0.03
174) Naphthalene-d8d	5.460	136	486634	40.00	ppm	0.00
176) Chrysene-d12e	13.970	240	509416	40.00	ppm	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.595	112	73239	17.22	ppm	0.00
Spiked Amount 50.000			Recovery =	34.44%		
8) Phenol-d5	4.317	99	92526	18.12	ppm	0.00
Spiked Amount 50.000			Recovery =	36.24%		
25) Nitrobenzene-d5	4.947	82	87324	23.87	ppm	0.00
Spiked Amount 50.000			Recovery =	47.74%		
51) 2-Fluorobiphenyl	6.256	172	228697	23.82	ppm	0.00
Spiked Amount 50.000			Recovery =	47.64%		
73) 2,4,6-Tribromophenol	7.741	330	46024	37.65	ppm	0.00
Spiked Amount 50.000			Recovery =	75.30%		
86) Terphenyl-d14	11.726	244	334057	27.34	ppm	-0.02
Spiked Amount 50.000			Recovery =	54.68%		
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\danielas\ep7621\
Data File : p163320.d
Acq On : 29 Nov 2024 4:09 pm
Operator : kristis
Sample : je1296-30 Inst : GCMSP
Misc : op59724,ep7621,30.1,,,1,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 01 14:56:50 2024
Quant Method : X:\Dayton SVOA GCMS\danielas\METHODS\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Dec 01 13:06:54 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\danielas\ep7621\
Data File : p163321.d
Acq On : 29 Nov 2024 4:34 pm
Operator : kristis
Sample : je1296-32 Inst : GCMSP
Misc : op59724,ep7621,30.1,,,1,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 01 15:02:10 2024
Quant Method : X:\Dayton SVOA GCMS\danielas\METHODS\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Dec 01 13:06:54 2024
Response via : Initial Calibration

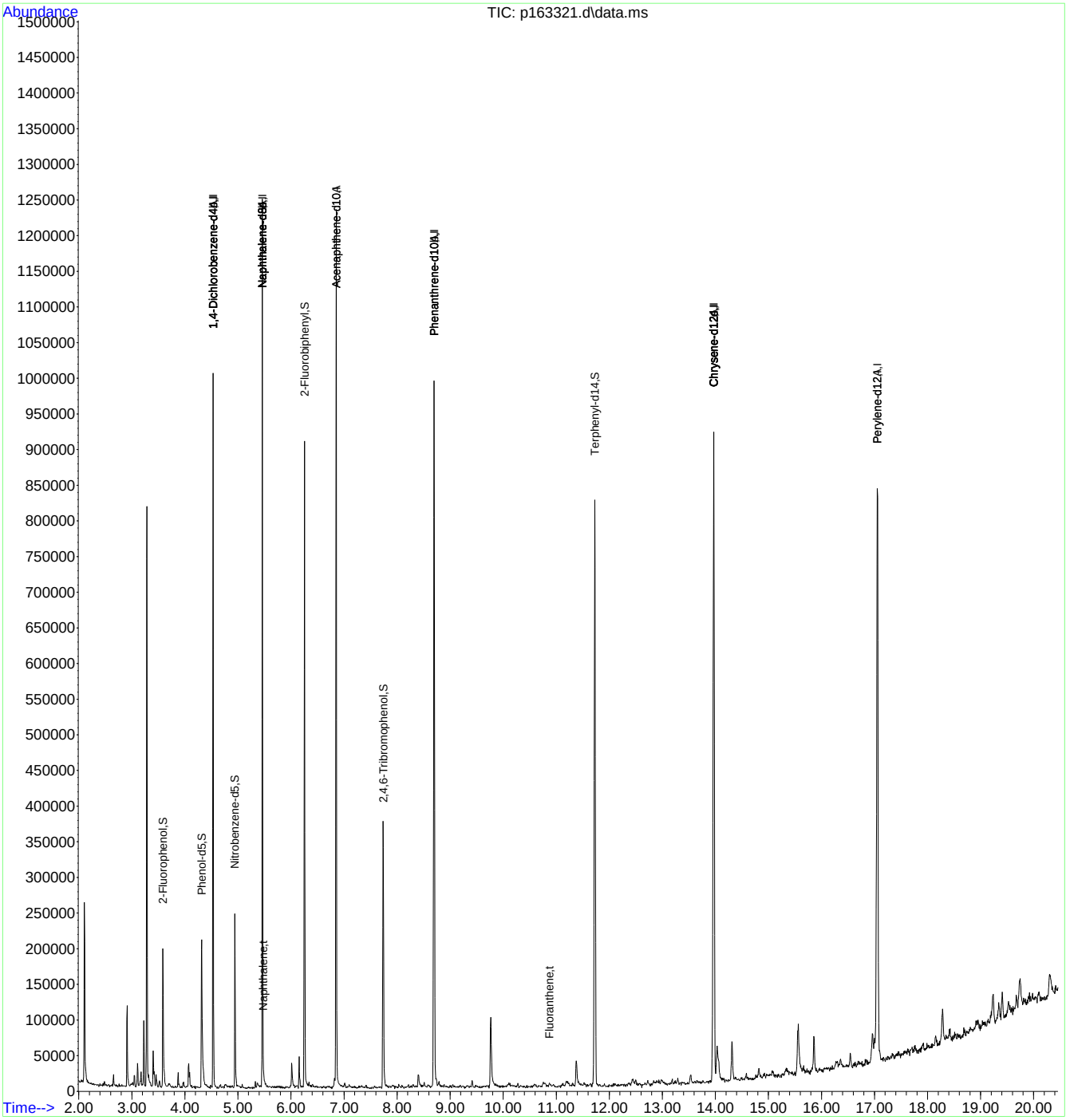
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.530	152	115454	40.00	ppm	0.00
24) Naphthalene-d8	5.460	136	407547	40.00	ppm	0.00
46) Acenaphthene-d10	6.854	164	235311	40.00	ppm	0.00
69) Phenanthrene-d10	8.697	188	454467	40.00	ppm	-0.02
83) Chrysene-d12	13.970	240	488206	40.00	ppm	-0.03
92) Perylene-d12	17.053	264	501051	40.00	ppm	-0.03
102) 1,4-Dichlorobenzene-d4A	4.530	152	115454	40.00	ppm	0.00
112) Naphthalene-d8A	5.460	136	407547	40.00	ppm	0.00
121) Acenaphthene-d10A	6.854	164	235311	40.00	ppm	0.00
132) Phenanthrene-d10A	8.697	188	454467	40.00	ppm	-0.02
147) Chrysene-d12A	13.970	240	488206	40.00	ppm	-0.03
154) Perylene-d12A	17.053	264	501051	40.00	ppm	-0.03
158) 1,4-Dichlorobenzene-d4b	4.530	152	115454	40.00	ppm	0.00
160) Phenanthrene-d10b	8.697	188	454467	40.00	ppm	-0.02
162) Naphthalene-d8b	5.460	136	407547	40.00	ppm	# 0.00
164) Naphthalene-d8c	5.460	136	407547	40.00	ppm	0.00
168) 1,4-Dichlorobenzene-d4c	4.530	152	115454	40.00	ppm	0.00
170) Chrysene-d12c	13.970	240	488206	40.00	ppm	-0.03
172) Chrysene-d12d	13.970	240	488206	40.00	ppm	-0.03
174) Naphthalene-d8d	5.460	136	407547	40.00	ppm	0.00
176) Chrysene-d12e	13.970	240	488206	40.00	ppm	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.585	112	53927	15.65	ppm	0.00
Spiked Amount 50.000			Recovery = 31.30%			
8) Phenol-d5	4.317	99	74004	17.89	ppm	0.00
Spiked Amount 50.000			Recovery = 35.78%			
25) Nitrobenzene-d5	4.942	82	61094	19.94	ppm	-0.01
Spiked Amount 50.000			Recovery = 39.88%			
51) 2-Fluorobiphenyl	6.256	172	206216	25.35	ppm	0.00
Spiked Amount 50.000			Recovery = 50.70%			
73) 2,4,6-Tribromophenol	7.741	330	52802	48.51	ppm	0.00
Spiked Amount 50.000			Recovery = 97.02%			
86) Terphenyl-d14	11.726	244	391506	33.43	ppm	-0.02
Spiked Amount 50.000			Recovery = 66.86%			
Target Compounds						Qvalue
38) Naphthalene	5.476	128	882	0.0883	ppm	91
81) Fluoranthene	10.872	202	1893	0.1390	ppm	77

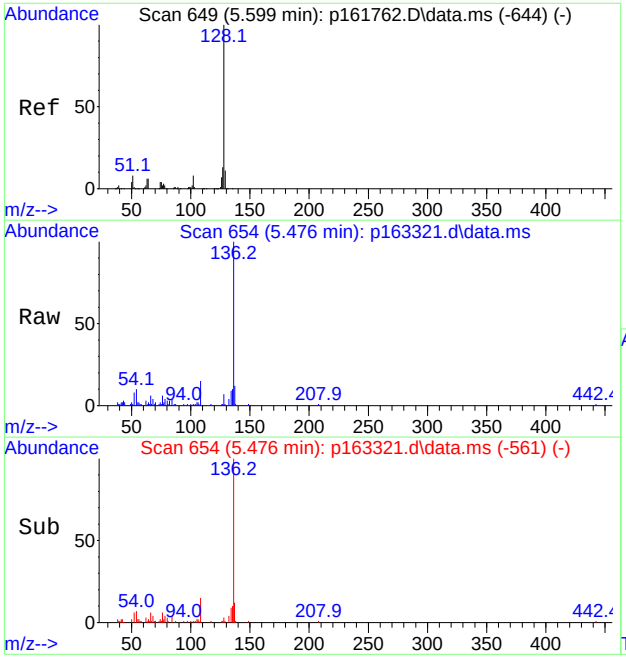
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\danielas\ep7621\
Data File : p163321.d
Acq On : 29 Nov 2024 4:34 pm
Operator : kristis
Sample : je1296-32 Inst : GCMSP
Misc : op59724,ep7621,30.1,,,1,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 01 15:02:10 2024
Quant Method : X:\Dayton SVOA GCMS\danielas\METHODS\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Dec 01 13:06:54 2024
Response via : Initial Calibration

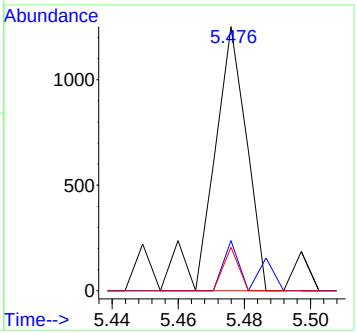


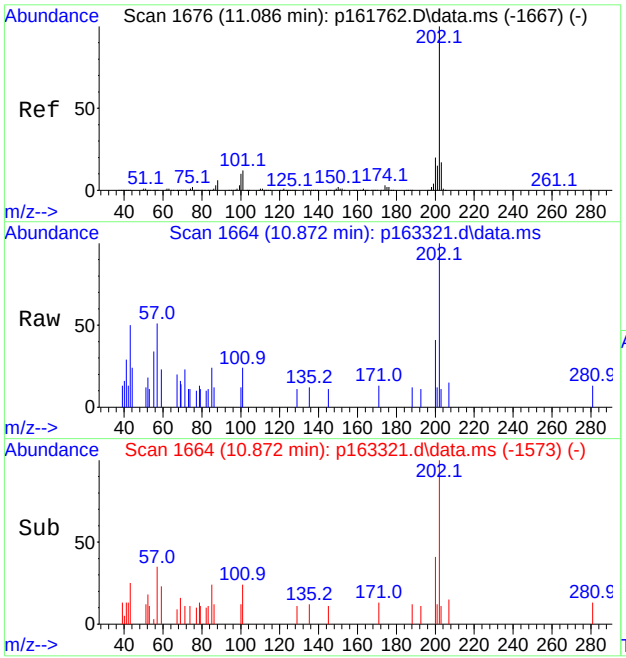


#38
Naphthalene
Concen: 0.0883 ppm
RT: 5.476 min Scan# 654
Delta R.T. -0.005 min
Lab File: p163321.d
Acq: 29 Nov 2024 4:34 pm

Tgt Ion:128 Resp: 882

Ion	Ratio	Lower	Upper
128	100		
129	19.0	0.0	42.6
127	16.4	0.0	44.9

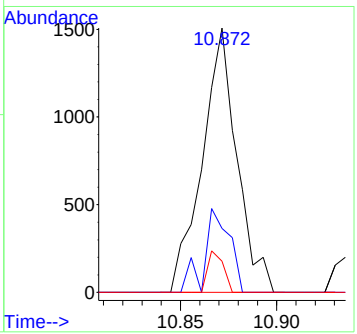




#81
Fluoranthene
Concen: 0.1390 ppm
RT: 10.872 min Scan# 1664
Delta R.T. -0.016 min
Lab File: p163321.d
Acq: 29 Nov 2024 4:34 pm

Tgt Ion:202 Resp: 1893

Ion	Ratio	Lower	Upper
202	100		
101	24.2	0.0	41.3
100	11.8	0.0	38.8



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\danielas\ep7621\
Data File : p163322.d
Acq On : 29 Nov 2024 4:59 pm
Operator : kristis
Sample : je1296-34 Inst : GCMSP
Misc : op59724,ep7621,30.2,,,1,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 01 15:08:30 2024
Quant Method : X:\Dayton SVOA GCMS\danielas\METHODS\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Dec 01 13:06:54 2024
Response via : Initial Calibration

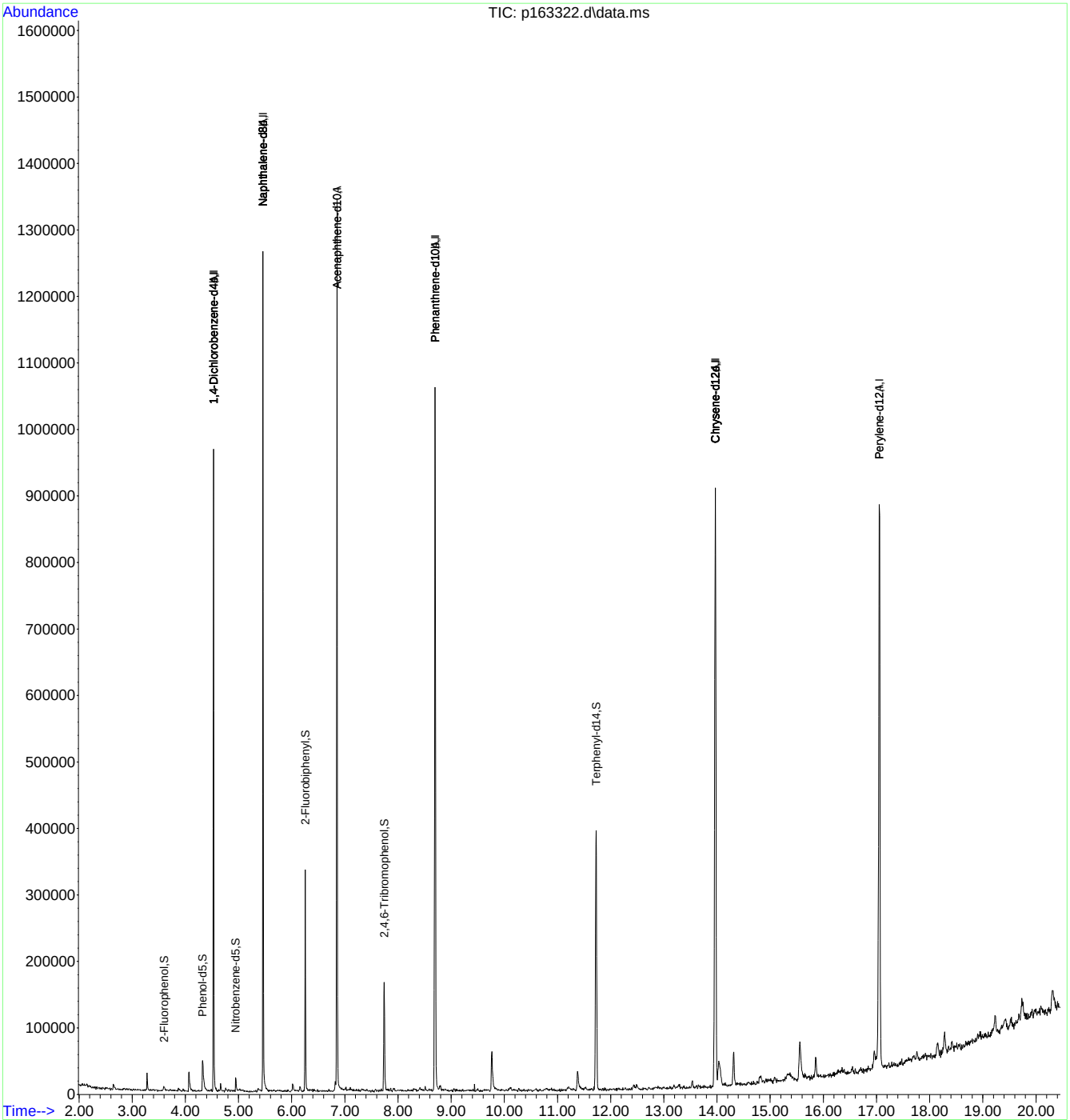
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.530	152	117143	40.00	ppm	0.00
24) Naphthalene-d8	5.460	136	415894	40.00	ppm	0.00
46) Acenaphthene-d10	6.854	164	248624	40.00	ppm	0.00
69) Phenanthrene-d10	8.697	188	478743	40.00	ppm	-0.02
83) Chrysene-d12	13.970	240	510011	40.00	ppm	-0.03
92) Perylene-d12	17.052	264	505432	40.00	ppm	-0.03
102) 1,4-Dichlorobenzene-d4A	4.530	152	117143	40.00	ppm	0.00
112) Naphthalene-d8A	5.460	136	415894	40.00	ppm	0.00
121) Acenaphthene-d10A	6.854	164	248624	40.00	ppm	0.00
132) Phenanthrene-d10A	8.697	188	478743	40.00	ppm	-0.02
147) Chrysene-d12A	13.970	240	510011	40.00	ppm	-0.03
154) Perylene-d12A	17.052	264	505432	40.00	ppm	-0.03
158) 1,4-Dichlorobenzene-d4b	4.530	152	117143	40.00	ppm	0.00
160) Phenanthrene-d10b	8.697	188	478743	40.00	ppm	-0.02
162) Naphthalene-d8b	5.460	136	415894	40.00	ppm	# 0.00
164) Naphthalene-d8c	5.460	136	415894	40.00	ppm	0.00
168) 1,4-Dichlorobenzene-d4c	4.530	152	117143	40.00	ppm	0.00
170) Chrysene-d12c	13.970	240	510011	40.00	ppm	-0.03
172) Chrysene-d12d	13.970	240	510011	40.00	ppm	-0.03
174) Naphthalene-d8d	5.460	136	415894	40.00	ppm	0.00
176) Chrysene-d12e	13.970	240	510011	40.00	ppm	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.601	112	2887	0.83	ppm	0.01
Spiked Amount 50.000			Recovery =	1.66%		
8) Phenol-d5	4.322	99	18890	4.50	ppm	0.01
Spiked Amount 50.000			Recovery =	9.00%		
25) Nitrobenzene-d5	4.947	82	7058	2.26	ppm	0.00
Spiked Amount 50.000			Recovery =	4.52%		
51) 2-Fluorobiphenyl	6.256	172	75420	8.78	ppm	0.00
Spiked Amount 50.000			Recovery =	17.56%		
73) 2,4,6-Tribromophenol	7.741	330	23415	20.42	ppm	0.00
Spiked Amount 50.000			Recovery =	40.84%		
86) Terphenyl-d14	11.726	244	195977	16.02	ppm	-0.02
Spiked Amount 50.000			Recovery =	32.04%		
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\danielas\ep7621\
Data File : p163322.d
Acq On : 29 Nov 2024 4:59 pm
Operator : kristis
Sample : je1296-34 Inst : GCMSP
Misc : op59724,ep7621,30.2,,,1,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 01 15:08:30 2024
Quant Method : X:\Dayton SVOA GCMS\danielas\METHODS\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Dec 01 13:06:54 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\danielas\ep7621\
Data File : p163323.d
Acq On : 29 Nov 2024 5:23 pm
Operator : kristis
Sample : je1296-36 Inst : GCMSP
Misc : op59724,ep7621,30.3,,,1,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 01 15:19:06 2024
Quant Method : X:\Dayton SVOA GCMS\danielas\METHODS\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Dec 01 13:06:54 2024
Response via : Initial Calibration

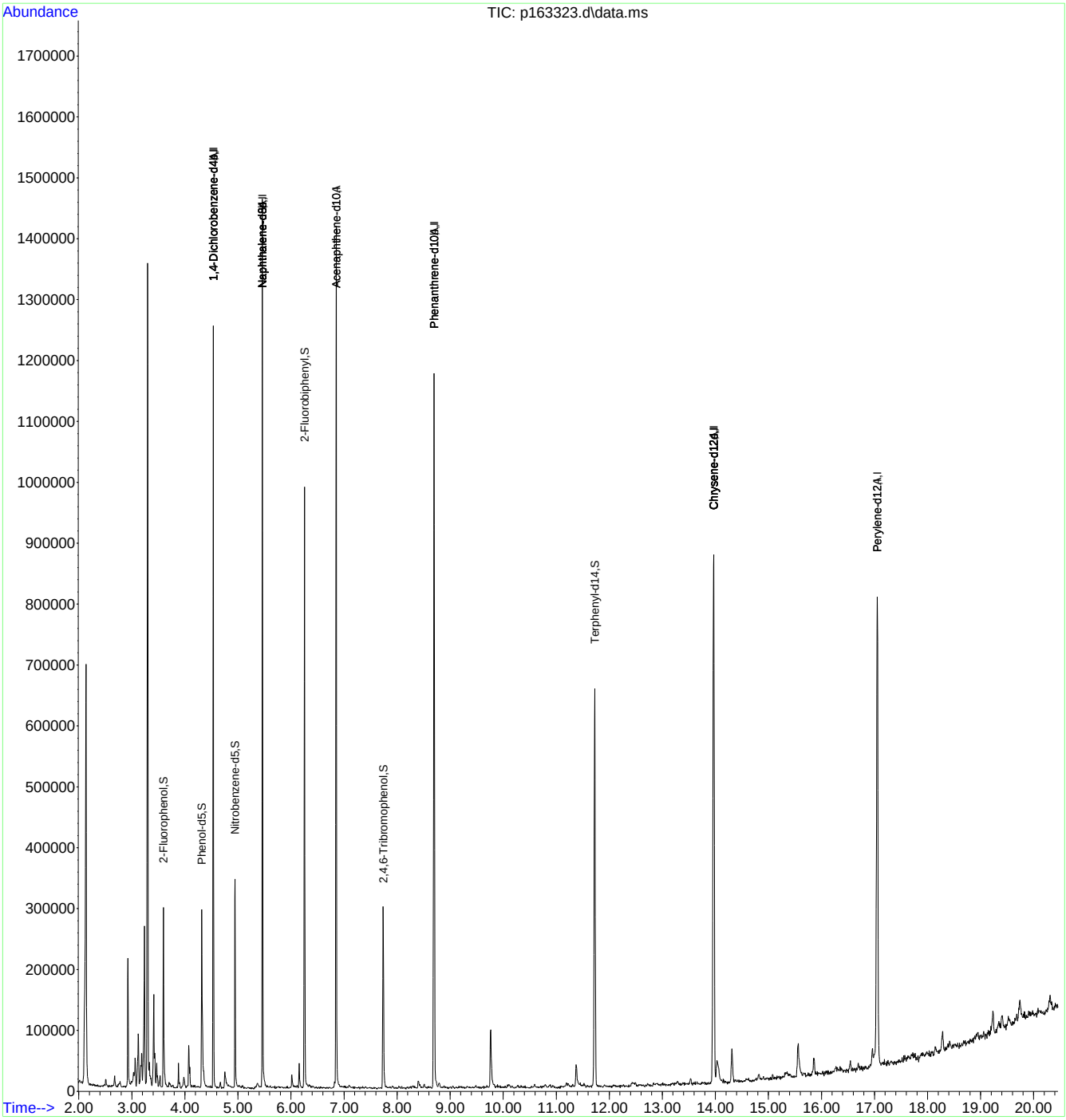
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.536	152	142416	40.00	ppm	0.00
24) Naphthalene-d8	5.460	136	493365	40.00	ppm	0.00
46) Acenaphthene-d10	6.854	164	281452	40.00	ppm	0.00
69) Phenanthrene-d10	8.697	188	523048	40.00	ppm	-0.02
83) Chrysene-d12	13.970	240	508230	40.00	ppm	-0.03
92) Perylene-d12	17.052	264	477216	40.00	ppm	-0.03
102) 1,4-Dichlorobenzene-d4A	4.536	152	142416	40.00	ppm	0.00
112) Naphthalene-d8A	5.460	136	493365	40.00	ppm	0.00
121) Acenaphthene-d10A	6.854	164	281452	40.00	ppm	0.00
132) Phenanthrene-d10A	8.697	188	523048	40.00	ppm	-0.02
147) Chrysene-d12A	13.970	240	508230	40.00	ppm	-0.03
154) Perylene-d12A	17.052	264	477216	40.00	ppm	-0.03
158) 1,4-Dichlorobenzene-d4b	4.536	152	142416	40.00	ppm	0.00
160) Phenanthrene-d10b	8.697	188	523048	40.00	ppm	-0.02
162) Naphthalene-d8b	5.460	136	493365	40.00	ppm	# 0.00
164) Naphthalene-d8c	5.460	136	493365	40.00	ppm	0.00
168) 1,4-Dichlorobenzene-d4c	4.536	152	142416	40.00	ppm	0.00
170) Chrysene-d12c	13.970	240	508230	40.00	ppm	-0.03
172) Chrysene-d12d	13.970	240	508230	40.00	ppm	-0.03
174) Naphthalene-d8d	5.460	136	493365	40.00	ppm	0.00
176) Chrysene-d12e	13.970	240	508230	40.00	ppm	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.595	112	76191	17.93	ppm	0.00
Spiked Amount 50.000			Recovery =	35.86%		
8) Phenol-d5	4.317	99	92201	18.07	ppm	0.00
Spiked Amount 50.000			Recovery =	36.14%		
25) Nitrobenzene-d5	4.947	82	86269	23.26	ppm	0.00
Spiked Amount 50.000			Recovery =	46.52%		
51) 2-Fluorobiphenyl	6.256	172	229942	23.64	ppm	0.00
Spiked Amount 50.000			Recovery =	47.28%		
73) 2,4,6-Tribromophenol	7.741	330	43679	34.87	ppm	0.00
Spiked Amount 50.000			Recovery =	69.74%		
86) Terphenyl-d14	11.726	244	307089	25.19	ppm	-0.02
Spiked Amount 50.000			Recovery =	50.38%		
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\danielas\ep7621\
Data File : p163323.d
Acq On : 29 Nov 2024 5:23 pm
Operator : kristis
Sample : je1296-36 Inst : GCMSP
Misc : op59724,ep7621,30.3,,,1,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 01 15:19:06 2024
Quant Method : X:\Dayton SVOA GCMS\danielas\METHODS\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Dec 01 13:06:54 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\danielas\ep7621\
Data File : p163324.d
Acq On : 29 Nov 2024 5:48 pm
Operator : kristis
Sample : je1296-38 Inst : GCMSP
Misc : op59724,ep7621,30.1,,,1,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 01 15:23:14 2024
Quant Method : X:\Dayton SVOA GCMS\danielas\METHODS\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Dec 01 13:06:54 2024
Response via : Initial Calibration

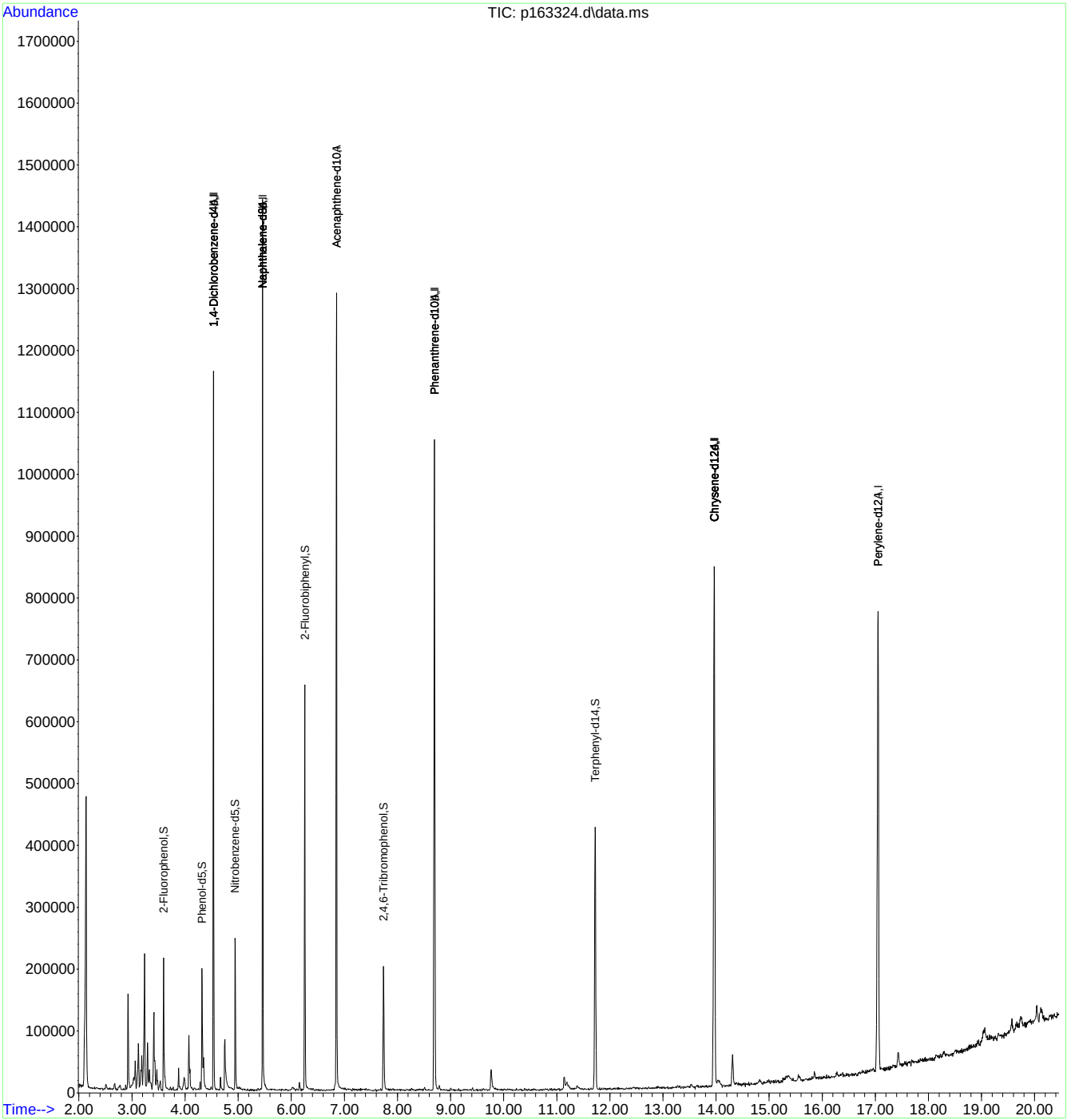
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.536	152	134969	40.00	ppm	0.00
24) Naphthalene-d8	5.460	136	463595	40.00	ppm	0.00
46) Acenaphthene-d10	6.854	164	256503	40.00	ppm	0.00
69) Phenanthrene-d10	8.697	188	481135	40.00	ppm	-0.02
83) Chrysene-d12	13.965	240	461039	40.00	ppm	-0.03
92) Perylene-d12	17.052	264	444900	40.00	ppm	-0.03
102) 1,4-Dichlorobenzene-d4A	4.536	152	134969	40.00	ppm	0.00
112) Naphthalene-d8A	5.460	136	463595	40.00	ppm	0.00
121) Acenaphthene-d10A	6.854	164	256503	40.00	ppm	0.00
132) Phenanthrene-d10A	8.697	188	481135	40.00	ppm	-0.02
147) Chrysene-d12A	13.965	240	461039	40.00	ppm	-0.03
154) Perylene-d12A	17.052	264	444900	40.00	ppm	-0.03
158) 1,4-Dichlorobenzene-d4b	4.536	152	134969	40.00	ppm	0.00
160) Phenanthrene-d10b	8.697	188	481135	40.00	ppm	-0.02
162) Naphthalene-d8b	5.460	136	463595	40.00	ppm	# 0.00
164) Naphthalene-d8c	5.460	136	463595	40.00	ppm	0.00
168) 1,4-Dichlorobenzene-d4c	4.536	152	134969	40.00	ppm	0.00
170) Chrysene-d12c	13.965	240	461039	40.00	ppm	-0.03
172) Chrysene-d12d	13.965	240	461039	40.00	ppm	-0.03
174) Naphthalene-d8d	5.460	136	463595	40.00	ppm	0.00
176) Chrysene-d12e	13.965	240	461039	40.00	ppm	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.595	112	56334	13.99	ppm	0.00
Spiked Amount 50.000			Recovery =	27.98%		
8) Phenol-d5	4.317	99	66859	13.83	ppm	0.00
Spiked Amount 50.000			Recovery =	27.66%		
25) Nitrobenzene-d5	4.942	82	63764	18.30	ppm	-0.01
Spiked Amount 50.000			Recovery =	36.60%		
51) 2-Fluorobiphenyl	6.256	172	161592	18.23	ppm	0.00
Spiked Amount 50.000			Recovery =	36.46%		
73) 2,4,6-Tribromophenol	7.736	330	28610	24.83	ppm	-0.01
Spiked Amount 50.000			Recovery =	49.66%		
86) Terphenyl-d14	11.721	244	213229	19.28	ppm	-0.03
Spiked Amount 50.000			Recovery =	38.56%		
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\danielas\ep7621\
Data File : p163324.d
Acq On : 29 Nov 2024 5:48 pm
Operator : kristis
Sample : je1296-38 Inst : GCMSP
Misc : op59724,ep7621,30.1,,,1,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 01 15:23:14 2024
Quant Method : X:\Dayton SVOA GCMS\danielas\METHODS\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Dec 01 13:06:54 2024
Response via : Initial Calibration



Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton SVOA GCMS\altheam\EF9917\
Data File : f223206.D
Acq On : 29 Nov 2024 1:33 pm
Operator : kristis
Sample : op59717-mb1 Inst : GCMSF
Misc : op59717,ef9917,1000,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 02 06:41:15 2024
Quant Method : X:\Dayton SVOA GCMS\altheam\method\MF9899.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Dec 02 06:19:46 2024
Response via : Initial Calibration

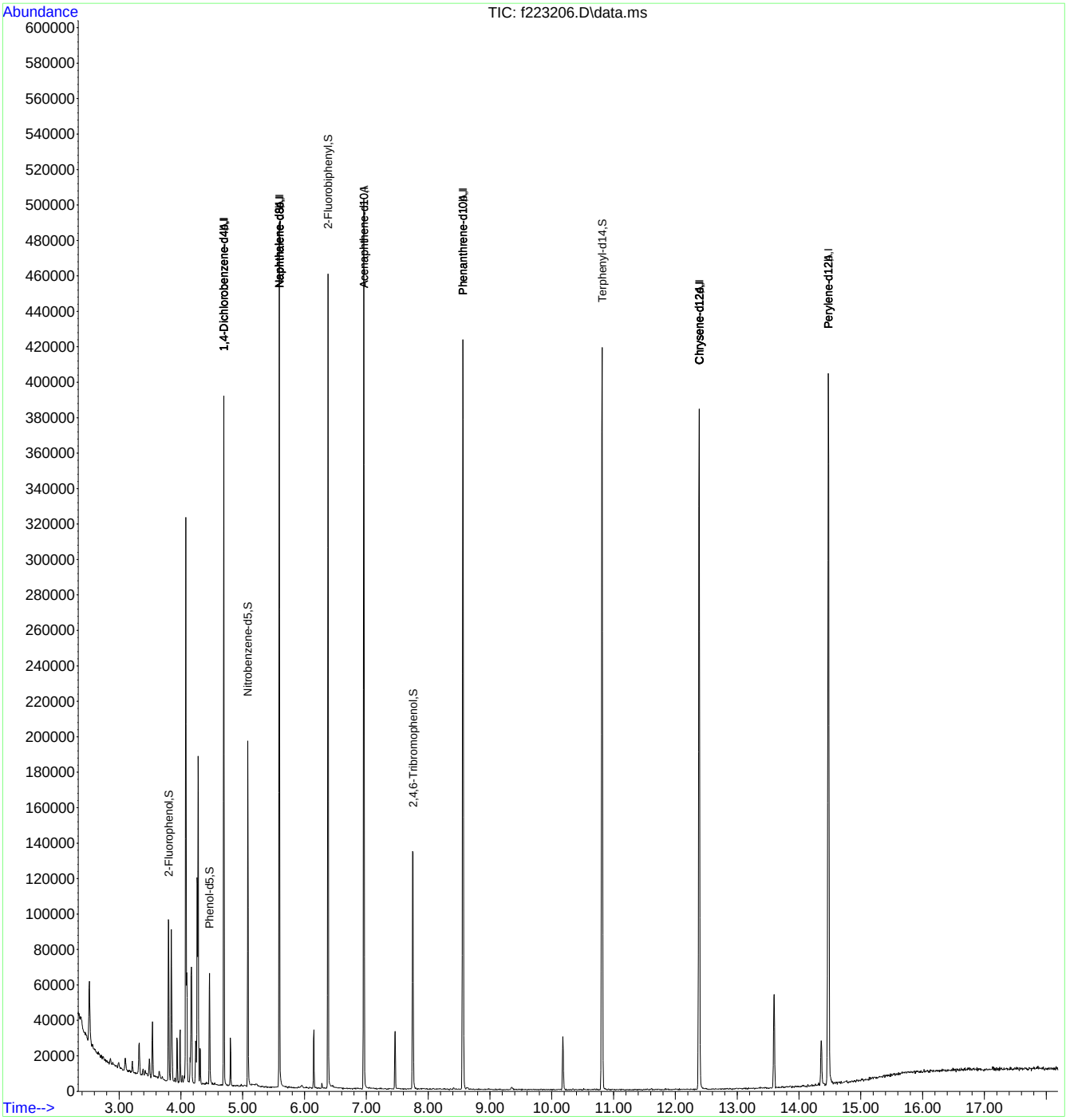
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.693	152	45340	40.00	ppm	0.00
24) Naphthalene-d8	5.591	136	168262	40.00	ppm	0.00
46) Acenaphthene-d10	6.958	164	94234	40.00	ppm	0.00
69) Phenanthrene-d10	8.561	188	179672	40.00	ppm	0.00
83) Chrysene-d12	12.386	240	170466	40.00	ppm	0.00
92) Perylene-d12	14.475	264	192516	40.00	ppm	0.00
102) 1,4-Dichlorobenzene-d4A	4.693	152	45340	40.00	ppm	0.00
112) Naphthalene-d8A	5.591	136	168262	40.00	ppm	0.00
121) Acenaphthene-d10A	6.958	164	94234	40.00	ppm	0.00
132) Phenanthrene-d10A	8.561	188	179672	40.00	ppm	0.00
147) Chrysene-d12A	12.386	240	170466	40.00	ppm	0.00
154) Perylene-d12A	14.475	264	192516	40.00	ppm	0.00
157) 1,4-Dichlorobenzene-d4b	4.693	152	45340	40.00	ppm	0.00
159) Phenanthrene-d10b	8.561	188	179672	40.00	ppm	0.00
161) Naphthalene-d8b	5.591	136	168262	40.00	ppm	0.00
163) Naphthalene-d8c	5.591	136	168262	40.00	ppm	0.00
167) 1,4-Dichlorobenzene-d4c	4.693	152	45340	40.00	ppm	0.00
169) Chrysene-d12c	12.386	240	170466	40.00	ppm	0.00
171) Chrysene-d12d	12.386	240	170466	40.00	ppm	0.00
173) Naphthalene-d8d	5.591	136	168262	40.00	ppm	0.00
175) Chrysene-d12e	12.386	240	170466	40.00	ppm	0.00
177) Perylene-d12b	14.475	264	192516	40.00	ppm	0.00
179) Naphthalene-d8e	5.591	136	168262	40.00	ppm	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.801	112	25400	20.86	ppm	0.00
Spiked Amount 50.000			Recovery = 41.72%			
8) Phenol-d5	4.464	99	19701	13.92	ppm	0.00
Spiked Amount 50.000			Recovery = 27.84%			
25) Nitrobenzene-d5	5.083	82	43669	36.41	ppm	0.00
Spiked Amount 50.000			Recovery = 72.82%			
51) 2-Fluorobiphenyl	6.381	172	117333	35.51	ppm	0.00
Spiked Amount 50.000			Recovery = 71.02%			
73) 2,4,6-Tribromophenol	7.754	330	18047	41.36	ppm	0.00
Spiked Amount 50.000			Recovery = 82.72%			
86) Terphenyl-d14	10.816	244	175880	44.11	ppm	0.00
Spiked Amount 50.000			Recovery = 88.22%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton SVOA GCMS\altheam\EF9917\
Data File : f223206.D
Acq On : 29 Nov 2024 1:33 pm
Operator : kristis
Sample : op59717-mb1 Inst : GCMSF
Misc : op59717,ef9917,1000,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 02 06:41:15 2024
Quant Method : X:\Dayton SVOA GCMS\altheam\method\MF9899.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Dec 02 06:19:46 2024
Response via : Initial Calibration



LSC Area Percent Report

Data Path : X:\Dayton SVOA GCMS\altheam\EF9917\
Data File : f223206.D
Acq On : 29 Nov 2024 1:33 pm
Operator : kristis
Sample : op59717-mb1
Misc : op59717,ef9917,1000,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Integration Parameters: lscint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 10 Area counts
Start Thrs: 0.001 Max Peaks: 200
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : X:\Dayton SVOA GCMS\altheam\method\MF9899.M
Title : Semi Volatile Extractables by GC/MS

Signal : TIC: f223206.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.020	315	316	319	rVB3	3980	1980	0.38%	0.044%
2	4.079	319	327	337	rVV2	318987	278477	53.70%	6.210%
3	4.170	337	344	353	rVV2	65719	89424	17.24%	1.994%
4	4.239	353	357	359	rVV	24193	23881	4.61%	0.533%
5	4.277	359	364	368	rVV2	185087	231175	44.58%	5.155%
6	4.309	368	370	375	rVB	20307	16619	3.20%	0.371%
7	4.415	387	390	395	rBV4	1301	1648	0.32%	0.037%
8	4.464	395	399	407	rVV	62811	53283	10.28%	1.188%
9	4.512	407	408	412	rVB3	1349	927	0.18%	0.021%
10	4.549	412	415	418	rBV4	1345	1232	0.24%	0.027%
11	4.651	431	434	436	rBV2	770	649	0.13%	0.014%
12	4.693	436	442	451	rVV	389169	251235	48.45%	5.602%
13	4.800	456	462	468	rVB	27193	19449	3.75%	0.434%
14	4.859	472	473	478	rVB4	698	913	0.18%	0.020%
15	4.902	478	481	483	rBV2	799	727	0.14%	0.016%
16	4.918	483	484	488	rVB2	990	908	0.18%	0.020%
17	4.960	488	492	493	rBV4	825	715	0.14%	0.016%
18	4.976	493	495	500	rBV5	1462	1197	0.23%	0.027%
19	5.030	500	505	511	rBV5	789	1378	0.27%	0.031%
20	5.083	511	515	525	rBV	194678	129574	24.99%	2.889%
21	5.211	537	539	546	rVB7	1520	2973	0.57%	0.066%
22	5.260	547	548	553	rVV3	876	779	0.15%	0.017%
23	5.318	557	559	564	rVV5	966	1135	0.22%	0.025%
24	5.372	567	569	573	rVB5	908	1062	0.20%	0.024%
25	5.591	605	610	629	rBV	487811	320664	61.84%	7.150%
26	5.751	636	640	643	rBV3	1074	1534	0.30%	0.034%
27	5.901	664	668	671	rBV4	1003	1165	0.22%	0.026%
28	5.959	671	679	684	rVB4	1679	3427	0.66%	0.076%
29	6.034	690	693	699	rVB4	1048	1621	0.31%	0.036%
30	6.082	699	702	704	rBV2	1041	1010	0.19%	0.023%
31	6.152	711	715	719	rBV	33108	25061	4.83%	0.559%
32	6.184	719	721	724	rVB2	739	781	0.15%	0.017%
33	6.280	736	739	743	rBV5	3002	2341	0.45%	0.052%
34	6.381	752	758	767	rBV	459353	324951	62.66%	7.246%
35	6.456	771	772	775	rVB2	1324	852	0.16%	0.019%
36	6.590	796	797	803	rVB3	1141	1622	0.31%	0.036%
37	6.627	803	804	807	rBV2	915	903	0.17%	0.020%
38	6.734	818	824	826	rVB2	608	712	0.14%	0.016%
39	6.761	826	829	832	rVB2	783	1008	0.19%	0.022%
40	6.793	832	835	837	rBV3	746	1103	0.21%	0.025%

LSC Area Percent Report

Data Path : X:\Dayton SVOA GCMS\altheam\EF9917\
Data File : f223206.D
Acq On : 29 Nov 2024 1:33 pm
Operator : kristis
Sample : op59717-mb1
Misc : op59717,ef9917,1000,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Integration Parameters: lscint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 10 Area counts
Start Thrs: 0.001 Max Peaks: 200
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : X:\Dayton SVOA GCMS\altheam\method\MF9899.M
Title : Semi Volatile Extractables by GC/MS

41	6.846	842	845	847	rBV2	779	720	0.14%	0.016%
42	6.905	854	856	861	rVB3	723	851	0.16%	0.019%
43	6.958	861	866	881	rBV	502298	389933	75.19%	8.695%
44	7.049	881	883	887	rVB3	768	883	0.17%	0.020%
45	7.300	926	930	935	rVB5	705	1121	0.22%	0.025%
46	7.364	938	942	944	rBV3	671	755	0.15%	0.017%
47	7.466	956	961	968	rBV	32658	30937	5.97%	0.690%
48	7.626	988	991	994	rVB2	573	682	0.13%	0.015%
49	7.674	994	1000	1001	rBV3	627	816	0.16%	0.018%
50	7.712	1001	1007	1009	rVV2	631	1024	0.20%	0.023%
51	7.749	1009	1014	1022	rVV	134370	136224	26.27%	3.038%
52	7.797	1022	1023	1027	rVB3	999	723	0.14%	0.016%
53	7.904	1041	1043	1047	rBV3	623	691	0.13%	0.015%
54	8.091	1072	1078	1081	rBV4	661	850	0.16%	0.019%
55	8.166	1088	1092	1094	rBV2	471	668	0.13%	0.015%
56	8.315	1114	1120	1125	rVB4	735	1708	0.33%	0.038%
57	8.358	1125	1128	1133	rBV2	869	1306	0.25%	0.029%
58	8.411	1134	1138	1143	rVV2	1191	1598	0.31%	0.036%
59	8.561	1156	1166	1175	rBV	423018	422883	81.55%	9.430%
60	8.625	1175	1178	1179	rBV2	979	903	0.17%	0.020%
61	8.823	1212	1215	1217	rVB3	686	686	0.13%	0.015%
62	9.352	1309	1314	1323	rVB6	1590	3298	0.64%	0.074%
63	9.480	1336	1338	1343	rVB3	751	994	0.19%	0.022%
64	9.827	1398	1403	1406	rBV2	535	715	0.14%	0.016%
65	9.913	1415	1419	1421	rBV	602	699	0.13%	0.016%
66	10.116	1451	1457	1459	rBV4	483	872	0.17%	0.019%
67	10.148	1459	1463	1464	rVB2	572	612	0.12%	0.014%
68	10.180	1464	1469	1477	rBB	30188	33251	6.41%	0.741%
69	10.308	1488	1493	1495	rVB3	516	757	0.15%	0.017%
70	10.345	1495	1500	1505	rBV3	895	1338	0.26%	0.030%
71	10.383	1505	1507	1513	rBV3	535	674	0.13%	0.015%
72	10.458	1520	1521	1526	rVB3	618	755	0.15%	0.017%
73	10.516	1526	1532	1536	rBV3	1115	1474	0.28%	0.033%
74	10.693	1563	1565	1569	rVB2	715	641	0.12%	0.014%
75	10.816	1578	1588	1603	rBV	419208	464711	89.61%	10.362%
76	10.917	1603	1607	1610	rBV2	824	819	0.16%	0.018%
77	11.099	1636	1641	1644	rVB3	818	1133	0.22%	0.025%
78	11.131	1644	1647	1648	rBV	746	650	0.13%	0.014%
79	11.157	1648	1652	1657	rVB4	631	1050	0.20%	0.023%
80	11.419	1697	1701	1704	rBV2	555	689	0.13%	0.015%
81	11.489	1711	1714	1716	rBV2	682	692	0.13%	0.015%
82	11.547	1721	1725	1731	rVB3	815	1199	0.23%	0.027%
83	11.617	1736	1738	1741	rVB2	984	751	0.14%	0.017%
84	11.718	1755	1757	1763	rBV4	578	887	0.17%	0.020%
85	11.836	1775	1779	1782	rVB3	763	739	0.14%	0.016%

LSC Area Percent Report

Data Path : X:\Dayton SVOA GCMS\altheam\EF9917\
Data File : f223206.D
Acq On : 29 Nov 2024 1:33 pm
Operator : kristis
Sample : op59717-mb1
Misc : op59717,ef9917,1000,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Integration Parameters: lscint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 10 Area counts
Start Thrs: 0.001 Max Peaks: 200
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : X:\Dayton SVOA GCMS\altheam\method\MF9899.M
Title : Semi Volatile Extractables by GC/MS

86	11.884	1782	1788	1791	rVB4	665	1004	0.19%	0.022%
87	12.066	1821	1822	1825	rBV2	858	616	0.12%	0.014%
88	12.098	1825	1828	1832	rBV4	462	674	0.13%	0.015%
89	12.386	1874	1882	1893	rBV	383992	449786	86.74%	10.030%
90	12.600	1918	1922	1923	rBV2	560	633	0.12%	0.014%
91	12.648	1929	1931	1935	rBV3	645	718	0.14%	0.016%
92	12.760	1949	1952	1955	rBV3	710	878	0.17%	0.020%
93	12.878	1972	1974	1979	rBV3	765	850	0.16%	0.019%
94	12.990	1993	1995	2000	rVB4	572	726	0.14%	0.016%
95	13.027	2000	2002	2007	rBV4	560	746	0.14%	0.017%
96	13.113	2017	2018	2022	rVB2	707	621	0.12%	0.014%
97	13.187	2029	2032	2035	rBV3	969	1089	0.21%	0.024%
98	13.268	2044	2047	2049	rVB4	646	723	0.14%	0.016%
99	13.300	2052	2053	2058	rBV3	505	656	0.13%	0.015%
100	13.358	2058	2064	2066	rBV4	725	903	0.17%	0.020%
101	13.374	2066	2067	2070	rBV3	900	619	0.12%	0.014%
102	13.455	2080	2082	2086	rVB4	875	1041	0.20%	0.023%
103	13.540	2093	2098	2101	rBV2	643	1107	0.21%	0.025%
104	13.599	2101	2109	2115	rBV	52982	66196	12.77%	1.476%
105	13.802	2142	2147	2149	rBV3	682	858	0.17%	0.019%
106	13.855	2155	2157	2163	rVB5	1239	1821	0.35%	0.041%
107	13.893	2163	2164	2166	rBV2	1057	773	0.15%	0.017%
108	13.941	2170	2173	2174	rBV3	1053	1018	0.20%	0.023%
109	14.053	2190	2194	2196	rBV4	1036	1263	0.24%	0.028%
110	14.117	2203	2206	2208	rVB3	862	918	0.18%	0.020%
111	14.144	2208	2211	2213	rBV3	1727	1482	0.29%	0.033%
112	14.208	2221	2223	2225	rVB2	1135	701	0.14%	0.016%
113	14.240	2225	2229	2231	rBV3	817	810	0.16%	0.018%
114	14.267	2231	2234	2237	rBV3	1266	953	0.18%	0.021%
115	14.320	2237	2244	2247	rVV5	1642	1574	0.30%	0.035%
116	14.357	2247	2251	2263	rVB	25545	37425	7.22%	0.835%
117	14.475	2263	2273	2288	rBV	401952	518567	100.00%	11.563%
118	14.571	2288	2291	2294	rBV4	1058	1339	0.26%	0.030%
119	14.614	2294	2299	2300	rVB4	1472	1972	0.38%	0.044%
120	14.641	2300	2304	2306	rBV4	1497	2209	0.43%	0.049%
121	14.662	2306	2308	2311	rVB3	1259	1083	0.21%	0.024%
122	14.683	2311	2312	2315	rBV2	1555	1092	0.21%	0.024%
123	14.726	2315	2320	2321	rBV3	826	777	0.15%	0.017%
124	14.774	2322	2329	2333	rVB8	1604	3110	0.60%	0.069%
125	14.812	2333	2336	2337	rBV2	986	986	0.19%	0.022%
126	14.854	2342	2344	2348	rVB4	952	1104	0.21%	0.025%
127	14.892	2348	2351	2352	rBV3	990	811	0.16%	0.018%
128	14.934	2356	2359	2364	rBV6	1657	2857	0.55%	0.064%
129	14.972	2364	2366	2369	rBV4	950	1181	0.23%	0.026%

LSC Area Percent Report

Data Path : X:\Dayton SVOA GCMS\altheam\EF9917\
Data File : f223206.D
Acq On : 29 Nov 2024 1:33 pm
Operator : kristis
Sample : op59717-mb1
Misc : op59717,ef9917,1000,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Integration Parameters: lscint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 10 Area counts
Start Thrs: 0.001 Max Peaks: 200
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : X:\Dayton SVOA GCMS\altheam\method\MF9899.M
Title : Semi Volatile Extractables by GC/MS

130	15.009	2371	2373	2375	rBV3	1231	964	0.19%	0.021%
131	15.025	2375	2376	2380	rVB4	1617	1421	0.27%	0.032%
132	15.057	2380	2382	2383	rBV2	1079	862	0.17%	0.019%
133	15.121	2391	2394	2395	rVB3	783	678	0.13%	0.015%
134	15.137	2395	2397	2399	rBV2	1979	1256	0.24%	0.028%
135	15.159	2399	2401	2403	rBV3	1483	997	0.19%	0.022%
136	15.191	2403	2407	2409	rVB5	1222	1117	0.22%	0.025%
137	15.218	2409	2412	2413	rBV3	1158	1296	0.25%	0.029%
138	15.378	2437	2442	2444	rVB4	1623	1842	0.36%	0.041%
139	15.404	2444	2447	2448	rBV3	1648	1462	0.28%	0.033%
140	15.522	2468	2469	2471	rBV2	1145	706	0.14%	0.016%
141	15.549	2471	2474	2475	rVB3	1368	1199	0.23%	0.027%
142	15.613	2484	2486	2487	rBV	1533	938	0.18%	0.021%
143	15.672	2494	2497	2498	rVB3	1019	799	0.15%	0.018%
144	15.725	2505	2507	2510	rVB4	921	969	0.19%	0.022%
145	15.805	2521	2522	2525	rBV3	916	797	0.15%	0.018%
146	15.901	2537	2540	2542	rBV3	1811	2063	0.40%	0.046%
147	16.024	2561	2563	2565	rVB3	1812	989	0.19%	0.022%
148	16.126	2580	2582	2585	rBV4	1861	2119	0.41%	0.047%
149	16.174	2590	2591	2596	rBV5	1298	1486	0.29%	0.033%
150	16.553	2660	2662	2668	rBV6	1947	3112	0.60%	0.069%
151	16.623	2674	2675	2679	rBB3	1585	1213	0.23%	0.027%
152	16.687	2683	2687	2690	rVB6	1471	1178	0.23%	0.026%
153	16.831	2708	2714	2716	rBV6	1307	1774	0.34%	0.040%
154	17.012	2744	2748	2750	rBV4	1441	1890	0.36%	0.042%
155	17.135	2769	2771	2773	rVB3	1993	1595	0.31%	0.036%
156	17.199	2781	2783	2787	rVB4	1726	1394	0.27%	0.031%
157	17.248	2790	2792	2793	rBV2	2109	1347	0.26%	0.030%
158	17.419	2822	2824	2825	rBV2	1639	910	0.18%	0.020%
159	17.573	2851	2853	2856	rBV4	1957	1927	0.37%	0.043%
160	17.654	2866	2868	2871	rBV4	1018	971	0.19%	0.022%
161	17.723	2879	2881	2888	rVB8	2166	4189	0.81%	0.093%
162	17.771	2888	2890	2891	rBV2	1803	1418	0.27%	0.032%
163	17.883	2910	2911	2915	rBV4	1000	816	0.16%	0.018%
164	17.953	2921	2924	2928	rVB6	2137	2417	0.47%	0.054%
165	17.990	2928	2931	2933	rBV4	1485	1417	0.27%	0.032%
166	18.161	2961	2963	2964	rBV2	2178	1355	0.26%	0.030%

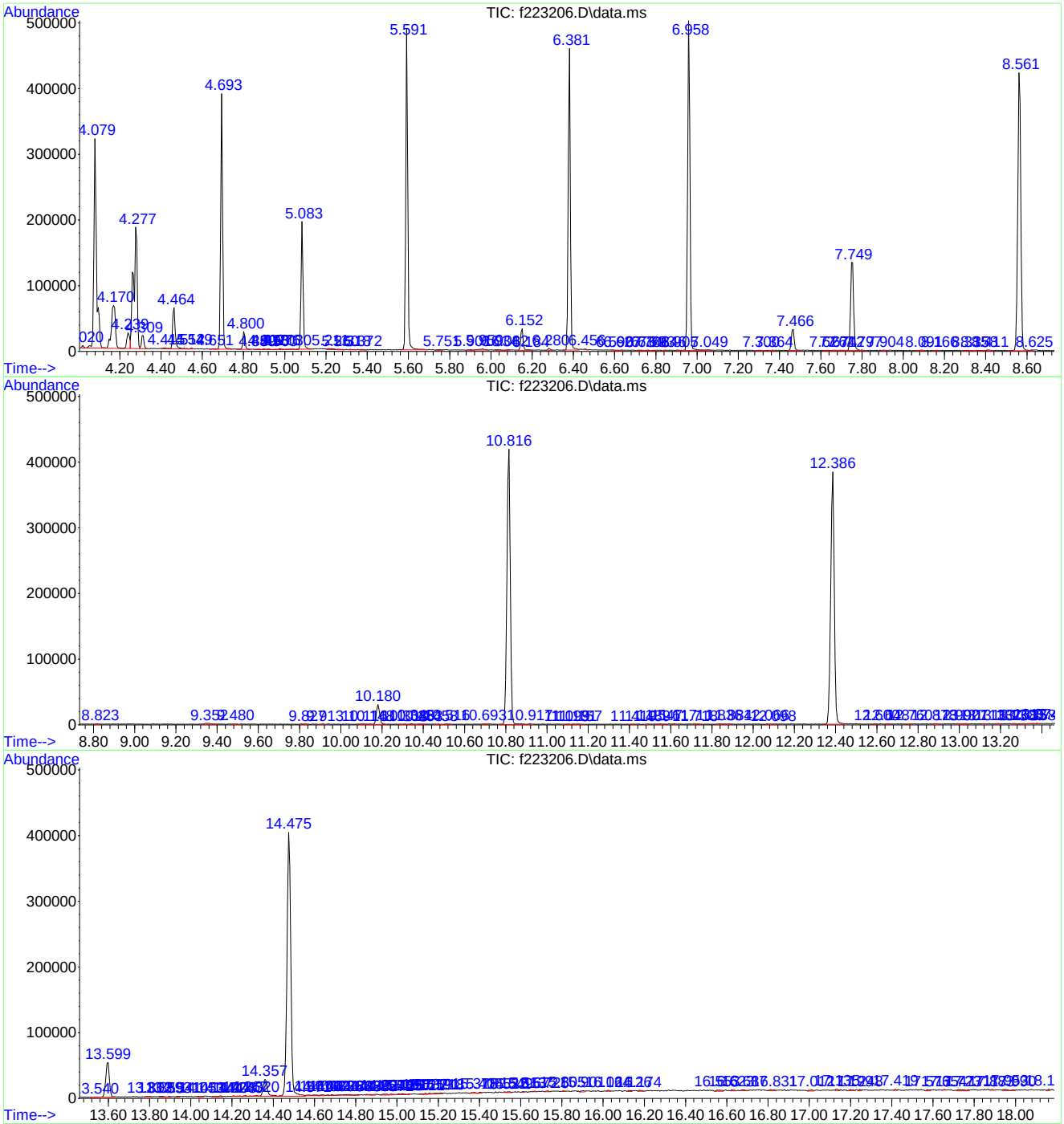
Sum of corrected areas: 4484610

LSC Report - Integrated Chromatogram

Data Path : X:\Dayton SVOA GCMS\altheam\EF9917\
Data File : f223206.D
Acq On : 29 Nov 2024 1:33 pm
Operator : kristis
Sample : op59717-mb1
Misc : op59717,ef9917,1000,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\altheam\method\MF9899.M
Quant Title : Semi Volatile Extractables by GC/MS

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\altheam\EF9917\
Data File : f223206.D
Acq On : 29 Nov 2024 1:33 pm
Operator : kristis
Sample : op59717-mb1
Misc : op59717,ef9917,1000,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\altheam\method\MF9899.M
Quant Title : Semi Volatile Extractables by GC/MS

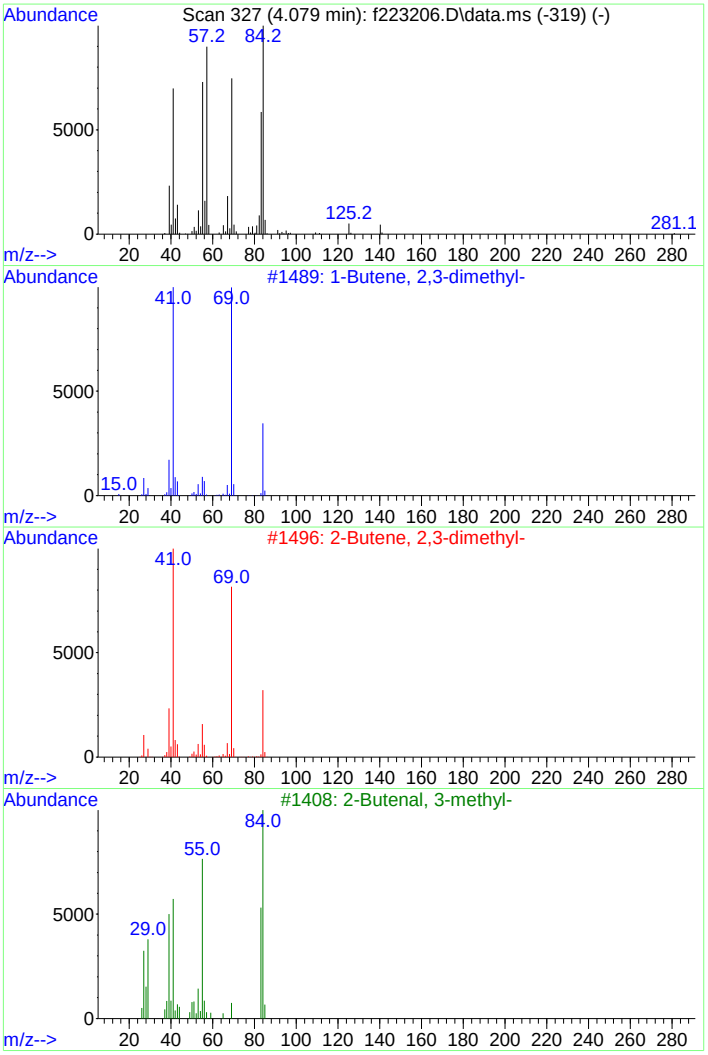
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: LSCINT.P

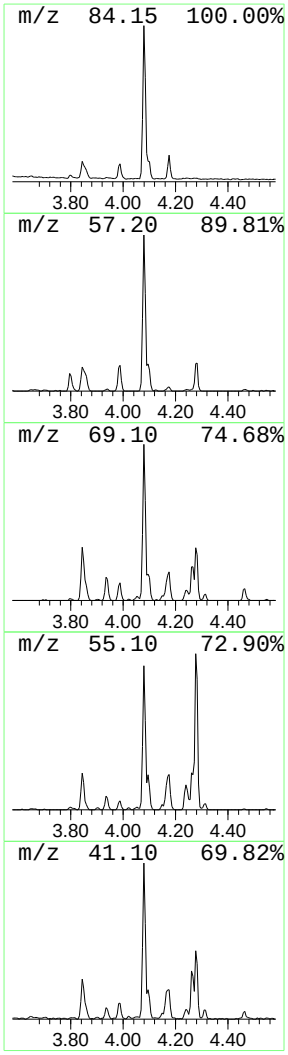
****

Peak Number 1 System artifact Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.079	44.34 ppm	278477	1,4-Dichlorobenzene-d4A	4.693

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butene, 2,3-dimethyl-	84	C6H12	000563-78-0	50
2	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	50
3	2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	43
4	Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	015358-88-0	43
5	2-Hexenal	98	C6H10O	000505-57-7	38





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\altheam\EF9917\
Data File : f223206.D
Acq On : 29 Nov 2024 1:33 pm
Operator : kristis
Sample : op59717-mb1
Misc : op59717,ef9917,1000,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\altheam\method\MF9899.M
Quant Title : Semi Volatile Extractables by GC/MS

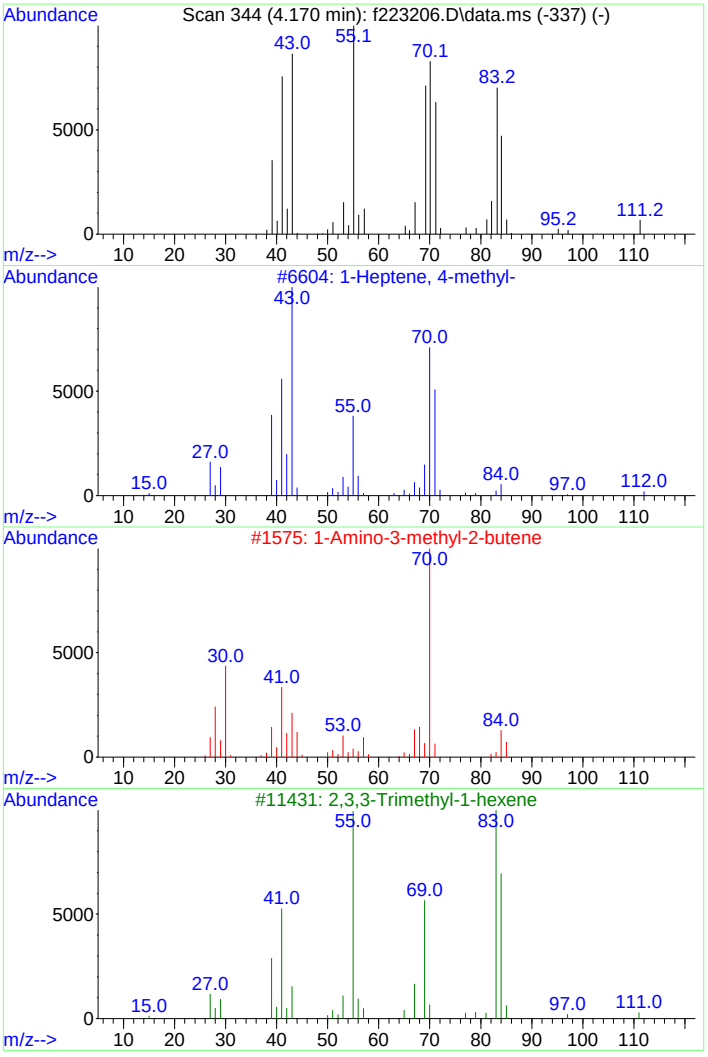
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: LSCINT.P

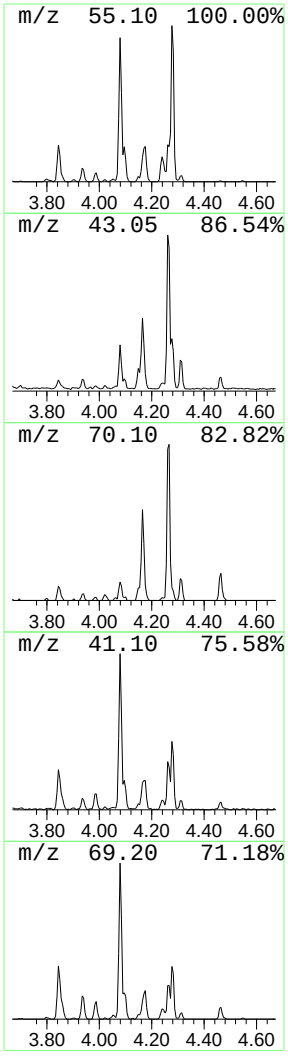
****

Peak Number 2 System artifact Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.170	14.24 ppm	89424	1,4-Dichlorobenzene-d4A	4.693

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptene, 4-methyl-	112	C8H16	013151-05-8	38
2	1-Amino-3-methyl-2-butene	85	C5H11N	013822-06-5	38
3	2,3,3-Trimethyl-1-hexene	126	C9H18	1000113-52-1	38
4	Propanoic acid, 2-methyl-, 2-met...	158	C9H18O2	002445-69-4	35
5	2-Butene, 2-methyl-	70	C5H10	000513-35-9	35





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\altheam\EF9917\
Data File : f223206.D
Acq On : 29 Nov 2024 1:33 pm
Operator : kristis
Sample : op59717-mb1
Misc : op59717,ef9917,1000,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\altheam\method\MF9899.M
Quant Title : Semi Volatile Extractables by GC/MS

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: LSCINT.P

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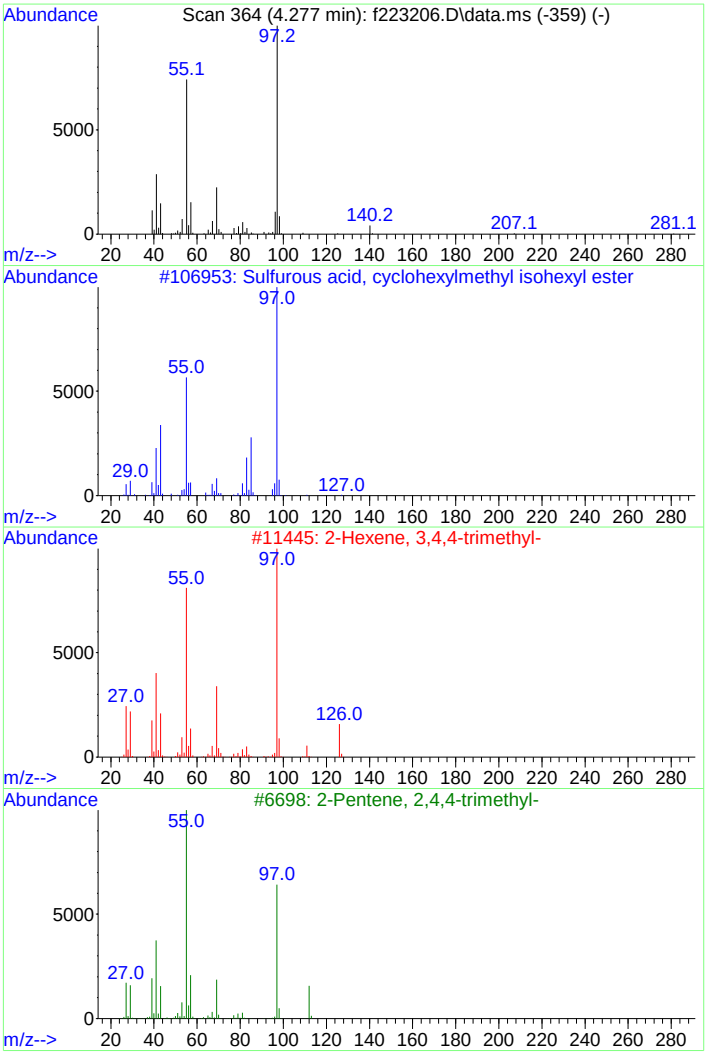
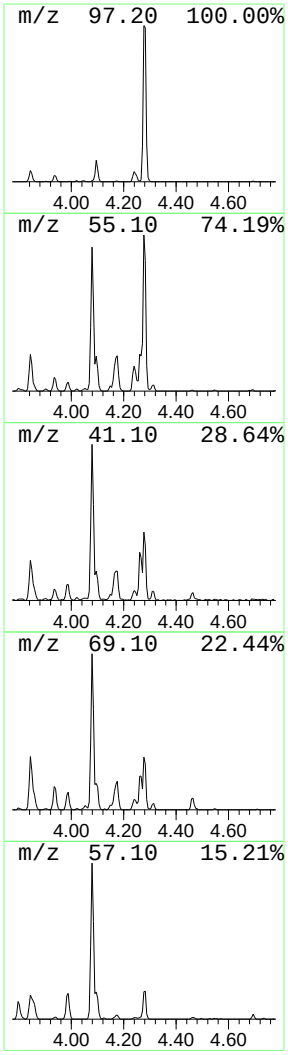
Peak Number 3 System artifact Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.277	36.81 ppm	231175	1,4-Dichlorobenzene-d4A	4.693

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, cyclohexylmethyl...	262	C13H26O3S	1000309-21-5	78
2	2-Hexene, 3,4,4-trimethyl-	126	C9H18	053941-19-8	72
3	2-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-40-4	72
4	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	72
5	Cycloheptane, bromo-	176	C7H13Br	002404-35-5	64





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\altheam\EF9917\
Data File : f223206.D
Acq On : 29 Nov 2024 1:33 pm
Operator : kristis
Sample : op59717-mb1
Misc : op59717,ef9917,1000,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\altheam\method\MF9899.M
Quant Title : Semi Volatile Extractables by GC/MS

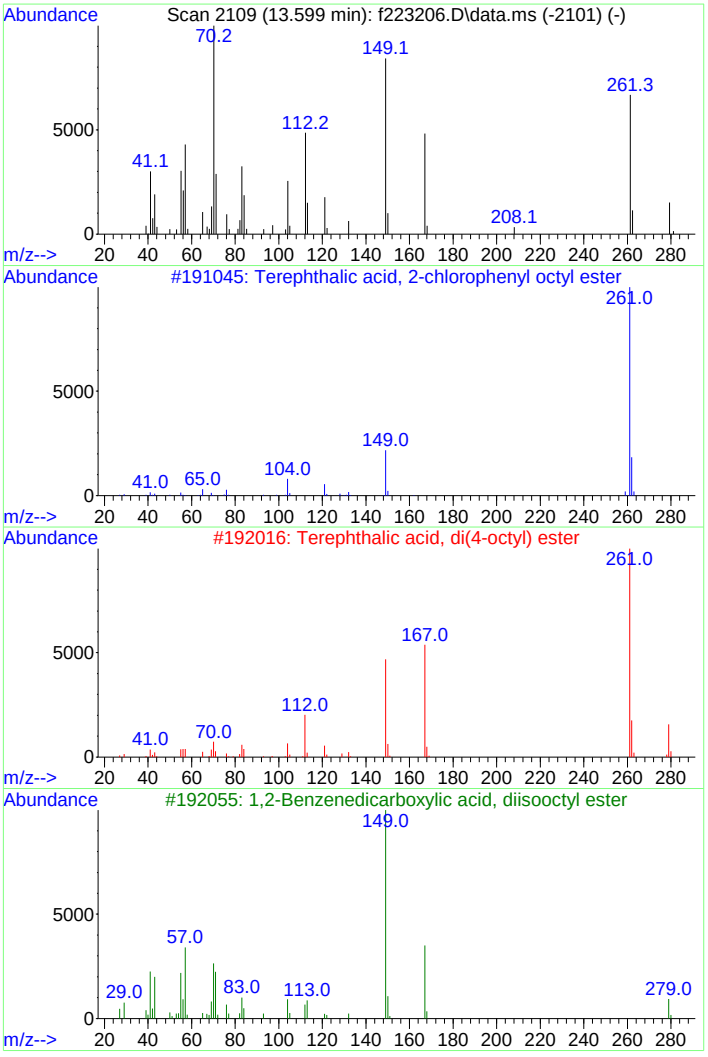
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: LSCINT.P

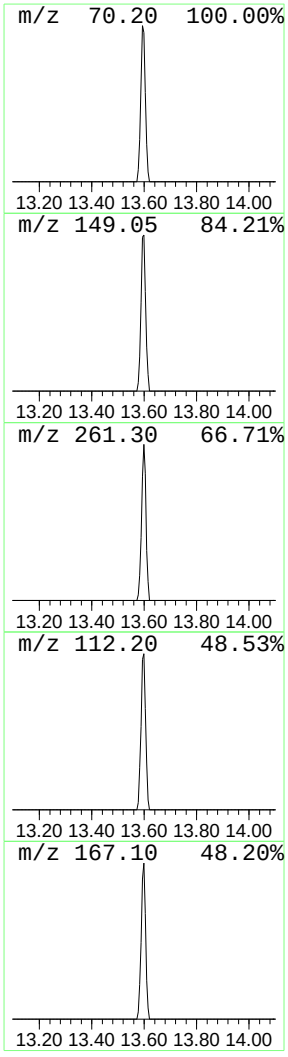
****

Peak Number 4 Unknown Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.599	5.11 ppm	66196	Perylene-d12	14.475

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Terephthalic acid, 2-chloropheny...	388	C22H25ClO4	1000324-04-2	43
2	Terephthalic acid, di(4-octyl) e...	390	C24H38O4	1000323-74-2	38
3	1,2-Benzenedicarboxylic acid, di...	390	C24H38O4	027554-26-3	35
4	Phthalic acid, 3,5-difluoropheny...	348	C19H18F2O4	1000315-54-1	35
5	Di-n-octyl phthalate	390	C24H38O4	000117-84-0	35





Tentatively Identified Compound (LSC) summary

Data Path : X:\Dayton SVOA GCMS\altheam\EF9917\
Data File : f223206.D
Acq On : 29 Nov 2024 1:33 pm
Operator : kristis
Sample : op59717-mb1
Misc : op59717,ef9917,1000,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\altheam\method\MF9899.M
Quant Title : Semi Volatile Extractables by GC/MS

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
System artifact	4.079	44.3	ppm	278477	2	4.693	251235	40.0
System artifact	4.170	14.2	ppm	89424	2	4.693	251235	40.0
System artifact	4.277	36.8	ppm	231175	2	4.693	251235	40.0
Unknown	13.599	5.1	ppm	66196	21	14.475	518567	40.0

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\danielas\ep7621\
Data File : p163308.d
Acq On : 29 Nov 2024 11:14 am
Operator : kristis
Sample : op59724-mb1 Inst : GCMSP
Misc : op59724,ep7621,30.0,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 01 13:25:26 2024
Quant Method : X:\Dayton SVOA GCMS\danielas\METHODS\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Dec 01 13:06:54 2024
Response via : Initial Calibration

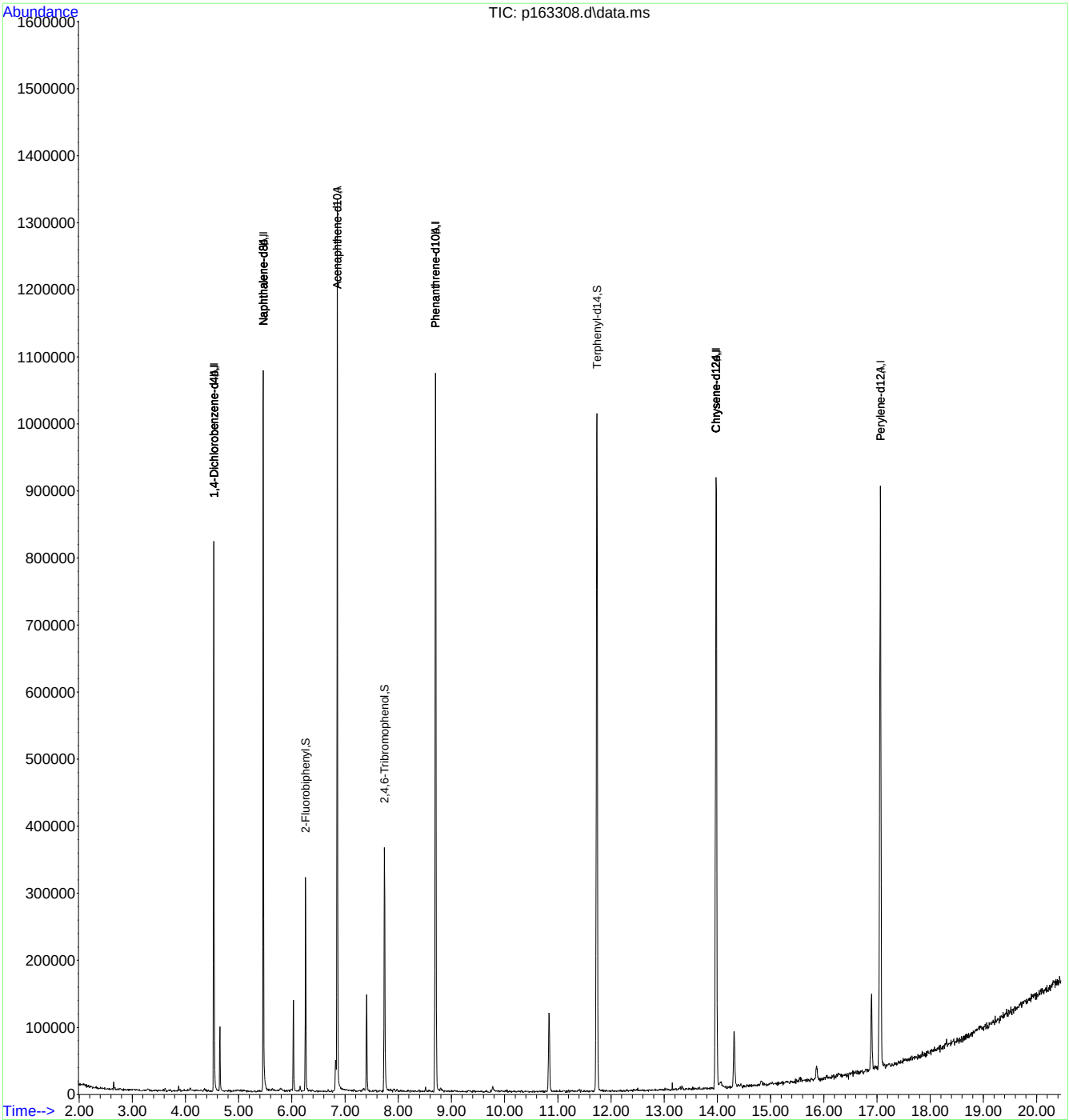
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.535	152	120383	40.00	ppm	0.00
24) Naphthalene-d8	5.465	136	425713	40.00	ppm	0.00
46) Acenaphthene-d10	6.854	164	254514	40.00	ppm	0.00
69) Phenanthrene-d10	8.702	188	490094	40.00	ppm	-0.01
83) Chrysene-d12	13.975	240	521425	40.00	ppm	-0.02
92) Perylene-d12	17.063	264	519394	40.00	ppm	-0.02
102) 1,4-Dichlorobenzene-d4A	4.535	152	120383	40.00	ppm	0.00
112) Naphthalene-d8A	5.465	136	425713	40.00	ppm	0.00
121) Acenaphthene-d10A	6.854	164	254514	40.00	ppm	0.00
132) Phenanthrene-d10A	8.702	188	490094	40.00	ppm	-0.01
147) Chrysene-d12A	13.975	240	521425	40.00	ppm	-0.02
154) Perylene-d12A	17.063	264	519394	40.00	ppm	-0.02
158) 1,4-Dichlorobenzene-d4b	4.535	152	120383	40.00	ppm	0.00
160) Phenanthrene-d10b	8.702	188	490094	40.00	ppm	-0.01
162) Naphthalene-d8b	5.465	136	425713	40.00	ppm	# 0.00
164) Naphthalene-d8c	5.465	136	425713	40.00	ppm	0.00
168) 1,4-Dichlorobenzene-d4c	4.535	152	120383	40.00	ppm	0.00
170) Chrysene-d12c	13.975	240	521425	40.00	ppm	-0.02
172) Chrysene-d12d	13.975	240	521425	40.00	ppm	-0.02
174) Naphthalene-d8d	5.465	136	425713	40.00	ppm	0.00
176) Chrysene-d12e	13.975	240	521425	40.00	ppm	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0d	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	6.256	172	84139	9.56	ppm	0.00
Spiked Amount 50.000			Recovery =	19.12%		
73) 2,4,6-Tribromophenol	7.741	330	50615	43.12	ppm	0.00
Spiked Amount 50.000			Recovery =	86.24%		
86) Terphenyl-d14	11.737	244	499465	39.94	ppm	-0.01
Spiked Amount 50.000			Recovery =	79.88%		
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\danielas\ep7621\
Data File : p163308.d
Acq On : 29 Nov 2024 11:14 am
Operator : kristis
Sample : op59724-mb1 Inst : GCMSP
Misc : op59724,ep7621,30.0,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 01 13:25:26 2024
Quant Method : X:\Dayton SVOA GCMS\danielas\METHODS\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Dec 01 13:06:54 2024
Response via : Initial Calibration



GC/LC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Internal Standard Area Summaries
- DDT/Endrin Breakdown Checks
- GC Identification Summaries (Hits)
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59697-MB1	1G204073.D	1	11/27/24	MLC	11/25/24	OP59697	G1G7313

The QC reported here applies to the following samples: **Method:** SW846 8081B

JE1296-12

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0050	0.0026	ug/l	
319-84-6	alpha-BHC	ND	0.0050	0.0026	ug/l	
319-85-7	beta-BHC	ND	0.0050	0.0040	ug/l	
319-86-8	delta-BHC	ND	0.0050	0.0033	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.0050	0.0030	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0050	0.0025	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0050	0.0021	ug/l	
57-74-9	Chlordane (alpha and gamma)	ND	0.0050	0.0021	ug/l	
60-57-1	Dieldrin	ND	0.0050	0.0038	ug/l	
72-54-8	4,4'-DDD	ND	0.0050	0.0029	ug/l	
72-55-9	4,4'-DDE	ND	0.0050	0.0025	ug/l	
50-29-3	4,4'-DDT	ND	0.0050	0.0034	ug/l	
72-20-8	Endrin	ND	0.0050	0.0030	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.0050	0.0027	ug/l	
7421-93-4	Endrin aldehyde	ND	0.0050	0.0034	ug/l	
53494-70-5	Endrin ketone	ND	0.0050	0.0031	ug/l	
959-98-8	Endosulfan-I	ND	0.0050	0.0026	ug/l	
33213-65-9	Endosulfan-II	ND	0.0050	0.0024	ug/l	
76-44-8	Heptachlor	ND	0.0050	0.0022	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.0050	0.0030	ug/l	
72-43-5	Methoxychlor	ND	0.010	0.0034	ug/l	
8001-35-2	Toxaphene	ND	0.13	0.082	ug/l	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	90%	10-175%
877-09-8	Tetrachloro-m-xylene	86%	10-175%
2051-24-3	Decachlorobiphenyl	89%	10-128%
2051-24-3	Decachlorobiphenyl	58%	10-128%

Method Blank Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59698-MB1	3G143547.D	1	11/26/24	KC	11/25/24	OP59698	G3G5279

The QC reported here applies to the following samples: **Method:** SW846 8082A

JE1296-12

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.25	0.098	ug/l	
11104-28-2	Aroclor 1221	ND	0.25	0.21	ug/l	
11141-16-5	Aroclor 1232	ND	0.25	0.13	ug/l	
53469-21-9	Aroclor 1242	ND	0.25	0.23	ug/l	
12672-29-6	Aroclor 1248	ND	0.25	0.22	ug/l	
11097-69-1	Aroclor 1254	ND	0.25	0.21	ug/l	
11096-82-5	Aroclor 1260	ND	0.25	0.21	ug/l	
11100-14-4	Aroclor 1268	ND	0.25	0.087	ug/l	
37324-23-5	Aroclor 1262	ND	0.25	0.23	ug/l	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	84%	10-169%
877-09-8	Tetrachloro-m-xylene	83%	10-169%
2051-24-3	Decachlorobiphenyl	60%	10-130%
2051-24-3	Decachlorobiphenyl	66%	10-130%

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59697-BS1	1G204074.D	1	11/27/24	MLC	11/25/24	OP59697	G1G7313
OP59697-BSD	1G204075.D	1	11/27/24	MLC	11/25/24	OP59697	G1G7313

The QC reported here applies to the following samples: **Method:** SW846 8081B

JE1296-12

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
309-00-2	Aldrin	0.25	0.14	56	0.14	56	0	40-161/45
319-84-6	alpha-BHC	0.25	0.16	64	0.16	64	0	40-169/48
319-85-7	beta-BHC	0.25	0.15	60	0.14	56	7	40-166/44
319-86-8	delta-BHC	0.25	0.17	68	0.17	68	0	40-158/47
58-89-9	gamma-BHC (Lindane)	0.25	0.17	68	0.16	64	6	40-169/47
5103-71-9	alpha-Chlordane	0.25	0.19	76	0.19	76	5	40-172/43
5103-74-2	gamma-Chlordane	0.25	0.19	76	0.19	76	5	40-177/48
57-74-9	Chlordane (alpha and gamma)	0.5	0.39	78	0.38	76	3	40-171/43
60-57-1	Dieldrin	0.25	0.20	80	0.19	76	5	40-175/44
72-54-8	4,4'-DDD	0.25	0.20	80	0.19	76	5	40-166/45
72-55-9	4,4'-DDE	0.25	0.18	72	0.17	68	6	40-165/45
50-29-3	4,4'-DDT	0.25	0.21	84	0.19	76	10	40-187/48
72-20-8	Endrin	0.25	0.20	80	0.19	76	5	40-179/46
1031-07-8	Endosulfan sulfate	0.25	0.20	80	0.20	80	0	40-168/49
7421-93-4	Endrin aldehyde	0.25	0.19	76	0.18	72	5	40-165/54
53494-70-5	Endrin ketone	0.25	0.19	76	0.19	76	0	40-165/46
959-98-8	Endosulfan-I	0.25	0.18	72	0.18	72	5	40-168/45
33213-65-9	Endosulfan-II	0.25	0.19	76	0.18	72	5	40-183/46
76-44-8	Heptachlor	0.25	0.15	60	0.15	60	0	40-165/46
1024-57-3	Heptachlor epoxide	0.25	0.19	76	0.19	76	0	40-171/44
72-43-5	Methoxychlor	0.25	0.23	92	0.20	80	14	40-175/52

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
877-09-8	Tetrachloro-m-xylene	57%	56%	10-175%
877-09-8	Tetrachloro-m-xylene	57%	56%	10-175%
2051-24-3	Decachlorobiphenyl	58%	51%	10-128%
2051-24-3	Decachlorobiphenyl	40%	36%	10-128%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59698-BS1	3G143548.D	1	11/26/24	KC	11/25/24	OP59698	G3G5279
OP59698-BSD	3G143549.D	1	11/26/24	KC	11/25/24	OP59698	G3G5279

The QC reported here applies to the following samples: **Method:** SW846 8082A

JE1296-12

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	2	2.5	125	1.8	90	33	40-152/49
11104-28-2	Aroclor 1221		ND		ND		nc	50-150/30
11141-16-5	Aroclor 1232		ND		ND		nc	50-150/30
53469-21-9	Aroclor 1242		ND		ND		nc	50-150/30
12672-29-6	Aroclor 1248		ND		ND		nc	50-150/30
11097-69-1	Aroclor 1254		ND		ND		nc	50-150/30
11096-82-5	Aroclor 1260	2	2.5	125	1.8	90	33	29-157/55
11100-14-4	Aroclor 1268		ND		ND		nc	50-150/30
37324-23-5	Aroclor 1262		ND		ND		nc	50-150/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
877-09-8	Tetrachloro-m-xylene	99%	65%	10-169%
877-09-8	Tetrachloro-m-xylene	97%	64%	10-169%
2051-24-3	Decachlorobiphenyl	75%	53%	10-130%
2051-24-3	Decachlorobiphenyl	84%	59%	10-130%

* = Outside of Control Limits.

Internal Standard Area Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G1G7312-CC7222	**Injection Date:**	11/27/24
Lab File ID:	1G204034.D	**Injection Time:**	03:27
Instrument ID:	GC1G	**Method:**	SW846 8081B

	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT
Check Std	308811166	1.94	744884078	1.76
Upper Limit [a]	617622332	2.44	1489768156	2.26
Lower Limit [b]	154405583	1.44	372442039	1.26

Lab Sample ID	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT
OP59567-MB1	306287598	1.94	738425731	1.76
OP59567-BS1	294243981	1.95	665002280	1.77
JE1296-12	326286980	1.95	776885611	1.76
JE386-2	395953152	1.95	943208858	1.76
ZZZZZZ	398341504	1.95	947572394	1.76
ZZZZZZ	372823548	1.96	926818870	1.77
ZZZZZZ	388173362	1.95	932379764	1.76
ZZZZZZ	404812652	1.95	880437796	1.77
ZZZZZZ	366181798	1.95	902126345	1.76
ZZZZZZ	376074888	1.95	904408225	1.76
JE619-3	350984110	1.95	796547249	1.76
ZZZZZZ	370685692	1.95	931003999	1.76
ZZZZZZ	373367594	1.95	906922737	1.76
ZZZZZZ	367436382	1.95	837001688	1.77
ZZZZZZ	404395476	1.95	975410489	1.76
ZZZZZZ	385128480	1.95	940631682	1.76
ZZZZZZ	401552888	1.95	904996435	1.77
OP59567-MS	191318943	2.03	424088153	1.86
OP59567-MSD	146964090*	1.95	336243254*	1.76

IS 1 = 1-Bromo-2-nitrobenzene (Signal #2)
IS 2 = 1-Bromo-2-nitrobenzene (Signal #1)

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Internal Standard Area Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G1G7313-CC7222	**Injection Date:**	11/27/24
Lab File ID:	1G204066.D	**Injection Time:**	14:56
Instrument ID:	GC1G	**Method:**	SW846 8081B

	IS 1 AREA	RT	IS 2 AREA	RT
Initial Cal [a]	313903091	1.97	856958752	1.78
Check Std [b]	326860918	1.95	612501214	1.76
Upper Limit [c]	470854637	2.45	1285438128	2.26
Lower Limit [d]	156951546	1.45	428479376	1.26

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT
OP59697-MB1	318879056	1.95	627029082	1.77
OP59697-BS1	350998092	1.95	750650157	1.77
OP59697-BSD	362725160	1.95	774163067	1.76

IS 1 = 1-Bromo-2-nitrobenzene (Signal #2)
IS 2 = 1-Bromo-2-nitrobenzene (Signal #1)

(a) Initial Cal is: G1G7222-ICC7222 1G201473.D 10/08/24 11:55. Area is AVERAGE of initial cal points.
(b) Check Std Limit = -50 to + 50% of initial cal area.
(c) Upper Limit = + 50% of initial standard area; Retention time + 0.5 minutes of check standard.
(d) Lower Limit = -50% of initial standard area; Retention time -0.5 minutes of check standard.

DDT/Endrin Breakdown Check

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	G1G7222-DDT	**Injection Date:**	10/08/24
Lab File ID:	1G201466.D	**Injection Time:**	09:56
Instrument ID:	GC1G		

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	26082651	13123416
4,4'-DDE	10718178	5557957
4,4'-DDT	893772102	517676731
DDT Breakdown [a]	4 %	3.5 %
Endrin aldehyde	0	0
Endrin ketone	8674040	2931758
Endrin	598847873	352206518
Endrin Breakdown [b]	1.4 %	0.8 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
G1G7222-IC7222	1G201469.D	10/08/24	10:52	00:56	Initial cal 1
G1G7222-IC7222	1G201470.D	10/08/24	11:08	01:12	Initial cal 2
G1G7222-IC7222	1G201471.D	10/08/24	11:24	01:28	Initial cal 5
G1G7222-IC7222	1G201472.D	10/08/24	11:39	01:43	Initial cal 10
G1G7222-ICC7222	1G201473.D	10/08/24	11:55	01:59	Initial cal 25
G1G7222-IC7222	1G201474.D	10/08/24	12:11	02:15	Initial cal 50
G1G7222-IC7222	1G201475.D	10/08/24	12:27	02:31	Initial cal 75
G1G7222-IC7222	1G201476.D	10/08/24	12:43	02:47	Initial cal 100
G1G7222-IC7222	1G201477.D	10/08/24	12:58	03:02	Initial cal 500
G1G7222-IC7222	1G201478.D	10/08/24	13:14	03:18	Initial cal 500
G1G7222-ICV7222	1G201479.D	10/08/24	13:30	03:34	Initial cal verification 25
G1G7222-ICV7222	1G201480.D	10/08/24	13:46	03:50	Initial cal verification 500
G1G7222-ICV7222	1G201481.D	10/08/24	14:02	04:06	Initial cal verification 500
G1G7223-CC7222	1G201482.D	10/08/24	14:23	04:27	Continuing cal 50
OP58233-MB1	1G201484.D	10/08/24	14:56	05:00	Method Blank
OP58233-BS1	1G201485.D	10/08/24	15:11	05:16	Blank Spike
OP58233-BSD	1G201486.D	10/08/24	15:27	05:32	Blank Spike Duplicate
ZZZZZZ	1G201487.D	10/08/24	15:43	05:48	(unrelated sample)
ZZZZZZ	1G201488.D	10/08/24	15:59	06:03	(unrelated sample)
ZZZZZZ	1G201489.D	10/08/24	16:15	06:19	(unrelated sample)
ZZZZZZ	1G201490.D	10/08/24	16:31	06:35	(unrelated sample)
ZZZZZZ	1G201491.D	10/08/24	16:46	06:51	(unrelated sample)
ZZZZZZ	1G201492.D	10/08/24	17:02	07:07	(unrelated sample)
ZZZZZZ	1G201493.D	10/08/24	17:18	07:22	(unrelated sample)

DDT/Endrin Breakdown Check

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	G1G7222-DDT	**Injection Date:**	10/08/24
Lab File ID:	1G201466.D	**Injection Time:**	09:56
Instrument ID:	GC1G		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	1G201494.D	10/08/24	17:34	07:38	(unrelated sample)
ZZZZZZ	1G201495.D	10/08/24	17:50	07:54	(unrelated sample)
G1G7223-CC7222	1G201498.D	10/08/24	18:37	08:42	Continuing cal 25
OP58329-MB1	1G201500.D	10/08/24	19:09	09:13	Method Blank
OP58329-BS1	1G201501.D	10/08/24	19:25	09:29	Blank Spike
OP58329-BSD	1G201502.D	10/08/24	19:41	09:45	Blank Spike Duplicate
ZZZZZZ	1G201503.D	10/08/24	19:56	10:01	(unrelated sample)
ZZZZZZ	1G201504.D	10/08/24	20:12	10:17	(unrelated sample)
ZZZZZZ	1G201505.D	10/08/24	20:28	10:32	(unrelated sample)
ZZZZZZ	1G201506.D	10/08/24	20:44	10:48	(unrelated sample)
ZZZZZZ	1G201507.D	10/08/24	20:59	11:04	(unrelated sample)
ZZZZZZ	1G201508.D	10/08/24	21:15	11:20	(unrelated sample)
ZZZZZZ	1G201509.D	10/08/24	21:31	11:36	(unrelated sample)

DDT/Endrin Breakdown Check

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	G1G7312-DDT	**Injection Date:**	11/27/24
Lab File ID:	1G204031.D	**Injection Time:**	01:29
Instrument ID:	GC1G		

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	9368822	7515035
4,4'-DDE	9057824	5460239
4,4'-DDT	667153045	495930669
DDT Breakdown [a]	2.7 %	2.5 %
Endrin aldehyde	0	0
Endrin ketone	1916563	7202032
Endrin	431560172	334639970
Endrin Breakdown [b]	0.4 %	2.1 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
G1G7312-CC7222	1G204034.D	11/27/24	03:27	01:58	Continuing cal 50
OP59567-MB1	1G204036.D	11/27/24	04:30	03:01	Method Blank
OP59567-BS1	1G204037.D	11/27/24	04:46	03:17	Blank Spike
JE1296-12	1G204038.D	11/27/24	05:01	03:32	FB-1
JE386-2	1G204039.D	11/27/24	05:17	03:49	(used for QC only; not part of job JE1296)
ZZZZZZ	1G204041.D	11/27/24	05:49	04:20	(unrelated sample)
ZZZZZZ	1G204043.D	11/27/24	06:20	04:52	(unrelated sample)
ZZZZZZ	1G204045.D	11/27/24	06:52	05:24	(unrelated sample)
ZZZZZZ	1G204047.D	11/27/24	07:24	05:55	(unrelated sample)
ZZZZZZ	1G204049.D	11/27/24	07:55	06:27	(unrelated sample)
ZZZZZZ	1G204050.D	11/27/24	08:11	06:42	(unrelated sample)
JE619-3	1G204051.D	11/27/24	08:27	06:58	(used for QC only; not part of job JE1296)
ZZZZZZ	1G204052.D	11/27/24	08:43	07:14	(unrelated sample)
ZZZZZZ	1G204053.D	11/27/24	08:58	07:30	(unrelated sample)
ZZZZZZ	1G204054.D	11/27/24	09:14	07:46	(unrelated sample)
ZZZZZZ	1G204055.D	11/27/24	09:30	08:02	(unrelated sample)
ZZZZZZ	1G204056.D	11/27/24	09:46	08:17	(unrelated sample)
ZZZZZZ	1G204057.D	11/27/24	10:02	08:33	(unrelated sample)
OP59567-MS	1G204058.D	11/27/24	10:17	08:48	Matrix Spike
OP59567-MSD	1G204059.D	11/27/24	10:33	09:04	Matrix Spike Duplicate

DDT/Endrin Breakdown Check

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	G1G7313-DDT	**Injection Date:**	11/27/24
Lab File ID:	1G204065.D	**Injection Time:**	14:41
Instrument ID:	GC1G		

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	14703045	10225354
4,4'-DDE	13002168	5040887
4,4'-DDT	859705022	489880203
DDT Breakdown [a]	3.1 %	3 %
Endrin aldehyde	10280844	1645205
Endrin ketone	12513379	3106230
Endrin	516641796	321409019
Endrin Breakdown [b]	4.2 %	1.5 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
G1G7313-CC7222	1G204066.D	11/27/24	14:56	00:16	Continuing cal 50
OP59697-MB1	1G204073.D	11/27/24	18:23	03:42	Method Blank
OP59697-BS1	1G204074.D	11/27/24	18:39	03:58	Blank Spike
OP59697-BSD	1G204075.D	11/27/24	18:55	04:14	Blank Spike Duplicate
G1G7313-CC7222	1G204090.D	11/27/24	22:52	08:11	Continuing cal 25

GC Identification Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G1G7313-CC7222	**Injection Date:**	11/27/24
Lab File ID:	1G204066.D	**Injection Time:**	14:56
Instrument ID:	GC1G	**Method:**	SW846 8081B

Sample ID:	OP59697-BS1	**Injection Date:**	11/27/24
Lab File ID:	1G204074.D	**Injection Time:**	18:39
Client ID:	Blank Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aldrin	1 [a]	3.88	3.88	0.14		ug/l	6.9
Aldrin	2	4.93	4.93	0.15		ug/l	
alpha-BHC	1 [a]	2.76	2.76	0.16		ug/l	11.8
alpha-BHC	2	3.41	3.41	0.18		ug/l	
beta-BHC	1 [a]	3.13	3.12	0.15		ug/l	12.5
beta-BHC	2	3.94	3.94	0.17		ug/l	
delta-BHC	1	3.32	3.31	0.18		ug/l	5.7
delta-BHC	2 [a]	4.36	4.36	0.17		ug/l	
gamma-BHC (Lindane)	1 [a]	3.05	3.05	0.17		ug/l	5.7
gamma-BHC (Lindane)	2	3.85	3.85	0.18		ug/l	
alpha-Chlordane	1 [a]	4.95	4.95	0.19		ug/l	5.1
alpha-Chlordane	2	6.34	6.34	0.20		ug/l	
gamma-Chlordane	1 [a]	4.78	4.78	0.19		ug/l	5.1
gamma-Chlordane	2	6.10	6.10	0.20		ug/l	
Chlordane (alpha and gamma)	n/a [b]			0.39		ug/l	
Dieldrin	1	5.47	5.47	0.21		ug/l	4.9
Dieldrin	2 [a]	6.92	6.92	0.20		ug/l	
4,4'-DDD	1	5.95	5.94	0.22		ug/l	9.5
4,4'-DDD	2 [a]	7.65	7.64	0.20		ug/l	
4,4'-DDE	1	5.07	5.07	0.18		ug/l	0.0
4,4'-DDE	2 [a]	6.62	6.61	0.18		ug/l	
4,4'-DDT	1	6.38	6.38	0.25		ug/l	17.4
4,4'-DDT	2 [a]	8.22	8.22	0.21		ug/l	
Endrin	1	5.81	5.81	0.21		ug/l	4.9
Endrin	2 [a]	7.47	7.47	0.20		ug/l	
Endosulfan sulfate	1	7.53	7.53	0.27		ug/l	29.8
Endosulfan sulfate	2 [a]	8.98	8.98	0.20		ug/l	
Endrin aldehyde	1	6.81	6.81	0.24		ug/l	23.3
Endrin aldehyde	2 [a]	8.47	8.47	0.19		ug/l	
Endrin ketone	1	8.01	8.01	0.27		ug/l	34.8
Endrin ketone	2 [a]	9.94	9.94	0.19		ug/l	
Endosulfan-I	1 [a]	5.13	5.13	0.18		ug/l	5.4
Endosulfan-I	2	6.45	6.45	0.19		ug/l	
Endosulfan-II	1	6.15	6.15	0.21		ug/l	10.0
Endosulfan-II	2 [a]	7.85	7.85	0.19		ug/l	
Heptachlor	1 [a]	3.54	3.55	0.15		ug/l	6.5
Heptachlor	2	4.45	4.45	0.16		ug/l	
Heptachlor epoxide	1 [a]	4.60	4.61	0.19		ug/l	5.1
Heptachlor epoxide	2	5.80	5.80	0.20		ug/l	
Methoxychlor	1	7.22	7.22	0.28		ug/l	19.6
Methoxychlor	2 [a]	9.53	9.53	0.23		ug/l	

GC Identification Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G1G7313-CC7222	**Injection Date:**	11/27/24
Lab File ID:	1G204066.D	**Injection Time:**	14:56
Instrument ID:	GC1G	**Method:**	SW846 8081B

Sample ID:	OP59697-BS1	**Injection Date:**	11/27/24
Lab File ID:	1G204074.D	**Injection Time:**	18:39
Client ID:	Blank Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc

(a) QC results reported from this column.
(b) Final reported result.

GC Identification Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G1G7313-CC7222	**Injection Date:**	11/27/24
Lab File ID:	1G204066.D	**Injection Time:**	14:56
Instrument ID:	GC1G	**Method:**	SW846 8081B

Sample ID:	OP59697-BSD	**Injection Date:**	11/27/24
Lab File ID:	1G204075.D	**Injection Time:**	18:55
Client ID:	Blank Spike Duplicate		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aldrin	1 [a]	3.88	3.88	0.14		ug/l	6.9
Aldrin	2	4.93	4.93	0.15		ug/l	
alpha-BHC	1 [a]	2.76	2.76	0.16		ug/l	6.1
alpha-BHC	2	3.41	3.41	0.17		ug/l	
beta-BHC	1 [a]	3.12	3.12	0.14		ug/l	19.4
beta-BHC	2	3.94	3.94	0.17		ug/l	
delta-BHC	1	3.31	3.31	0.18		ug/l	5.7
delta-BHC	2 [a]	4.36	4.36	0.17		ug/l	
gamma-BHC (Lindane)	1 [a]	3.05	3.05	0.16		ug/l	6.1
gamma-BHC (Lindane)	2	3.85	3.85	0.17		ug/l	
alpha-Chlordane	1	4.95	4.95	0.19		ug/l	0.0
alpha-Chlordane	2 [a]	6.34	6.34	0.19		ug/l	
gamma-Chlordane	1	4.77	4.78	0.19		ug/l	0.0
gamma-Chlordane	2 [a]	6.10	6.10	0.19		ug/l	
Chlordane (alpha and gamma)	n/a [b]			0.38		ug/l	
Dieldrin	1	5.47	5.47	0.21		ug/l	10.0
Dieldrin	2 [a]	6.92	6.92	0.19		ug/l	
4,4'-DDD	1	5.95	5.94	0.21		ug/l	10.0
4,4'-DDD	2 [a]	7.65	7.64	0.19		ug/l	
4,4'-DDE	1	5.07	5.07	0.19		ug/l	11.1
4,4'-DDE	2 [a]	6.62	6.61	0.17		ug/l	
4,4'-DDT	1	6.38	6.38	0.24		ug/l	23.3
4,4'-DDT	2 [a]	8.22	8.22	0.19		ug/l	
Endrin	1	5.81	5.81	0.22		ug/l	14.6
Endrin	2 [a]	7.47	7.47	0.19		ug/l	
Endosulfan sulfate	1	7.53	7.53	0.26		ug/l	26.1
Endosulfan sulfate	2 [a]	8.98	8.98	0.20		ug/l	
Endrin aldehyde	1	6.81	6.81	0.23		ug/l	24.4
Endrin aldehyde	2 [a]	8.47	8.47	0.18		ug/l	
Endrin ketone	1	8.01	8.01	0.26		ug/l	31.1
Endrin ketone	2 [a]	9.94	9.94	0.19		ug/l	
Endosulfan-I	1	5.13	5.13	0.19		ug/l	5.4
Endosulfan-I	2 [a]	6.45	6.45	0.18		ug/l	
Endosulfan-II	1	6.15	6.15	0.21		ug/l	15.4
Endosulfan-II	2 [a]	7.85	7.85	0.18		ug/l	
Heptachlor	1 [a]	3.54	3.55	0.15		ug/l	6.5
Heptachlor	2	4.45	4.45	0.16		ug/l	
Heptachlor epoxide	1 [a]	4.60	4.61	0.19		ug/l	0.0
Heptachlor epoxide	2	5.80	5.80	0.19		ug/l	
Methoxychlor	1	7.22	7.22	0.26		ug/l	26.1
Methoxychlor	2 [a]	9.54	9.53	0.20		ug/l	

GC Identification Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G1G7313-CC7222	**Injection Date:**	11/27/24
Lab File ID:	1G204066.D	**Injection Time:**	14:56
Instrument ID:	GC1G	**Method:**	SW846 8081B

Sample ID:	OP59697-BSD	**Injection Date:**	11/27/24
Lab File ID:	1G204075.D	**Injection Time:**	18:55
Client ID:	Blank Spike Duplicate		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc

(a) QC results reported from this column.
(b) Final reported result.

GC Identification Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G3G5279-CC5271	**Injection Date:**	11/26/24
Lab File ID:	3G143545.D	**Injection Time:**	11:49
Instrument ID:	GC3G	**Method:**	SW846 8082A

Sample ID:	OP59698-BS1	**Injection Date:**	11/26/24
Lab File ID:	3G143548.D	**Injection Time:**	12:39
Client ID:	Blank Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aroclor 1016	1			2.7		ug/l	7.7
Aroclor 1016	2 [a]			2.5		ug/l	
AR1016-A	1	3.72	3.72	3.0		ug/l	
AR1016-A	2	4.83	4.83	2.6		ug/l	
AR1016-B	1	4.15	4.15	2.5		ug/l	
AR1016-B	2	5.41	5.41	2.4		ug/l	
AR1016-C	1	4.74	4.74	2.7		ug/l	
AR1016-C	2	6.08	6.08	2.5		ug/l	
AR1016-D	1	4.91	4.91	2.6		ug/l	
AR1016-D	2	6.28	6.28	2.5		ug/l	
AR1016-E	1	5.44	5.44	2.6		ug/l	
AR1016-E	2	6.96	6.96	2.4		ug/l	
Aroclor 1260	1			2.7		ug/l	7.7
Aroclor 1260	2 [a]			2.5		ug/l	
AR1260-A	1	7.48	7.48	2.8		ug/l	
AR1260-A	2	9.07	9.07	2.5		ug/l	
AR1260-B	1	8.03	8.03	2.7		ug/l	
AR1260-B	2	9.73	9.73	2.4		ug/l	
AR1260-C	1	8.37	8.37	2.7		ug/l	
AR1260-C	2	10.17	10.17	2.5		ug/l	
AR1260-D	1	8.80	8.80	2.8		ug/l	
AR1260-D	2	10.51	10.51	2.5		ug/l	
AR1260-E	1	9.20	9.20	2.4		ug/l	
AR1260-E	2	11.06	11.06	2.4		ug/l	

(a) QC results reported from this column.

GC Identification Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G3G5279-CC5271	**Injection Date:**	11/26/24
Lab File ID:	3G143545.D	**Injection Time:**	11:49
Instrument ID:	GC3G	**Method:**	SW846 8082A

Sample ID:	OP59698-BSD	**Injection Date:**	11/26/24
Lab File ID:	3G143549.D	**Injection Time:**	12:56
Client ID:	Blank Spike Duplicate		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aroclor 1016	1			1.9		ug/l	5.4
Aroclor 1016	2 [a]			1.8		ug/l	
AR1016-A	1	3.72	3.72	2.2		ug/l	
AR1016-A	2	4.83	4.83	1.9		ug/l	
AR1016-B	1	4.15	4.15	1.8		ug/l	
AR1016-B	2	5.42	5.41	1.8		ug/l	
AR1016-C	1	4.74	4.74	1.8		ug/l	
AR1016-C	2	6.08	6.08	1.8		ug/l	
AR1016-D	1	4.91	4.91	1.9		ug/l	
AR1016-D	2	6.28	6.28	1.9		ug/l	
AR1016-E	1	5.44	5.44	1.9		ug/l	
AR1016-E	2	6.96	6.96	1.8		ug/l	
Aroclor 1260	1			2.0		ug/l	10.5
Aroclor 1260	2 [a]			1.8		ug/l	
AR1260-A	1	7.48	7.48	2.0		ug/l	
AR1260-A	2	9.07	9.07	1.8		ug/l	
AR1260-B	1	8.03	8.03	2.0		ug/l	
AR1260-B	2	9.73	9.73	1.8		ug/l	
AR1260-C	1	8.37	8.37	2.0		ug/l	
AR1260-C	2	10.17	10.17	1.9		ug/l	
AR1260-D	1	8.80	8.80	2.0		ug/l	
AR1260-D	2	10.51	10.51	1.9		ug/l	
AR1260-E	1	9.20	9.20	1.8		ug/l	
AR1260-E	2	11.06	11.06	1.8		ug/l	

(a) QC results reported from this column.

Surrogate Recovery Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Method: SW846 8081B **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S1 [b]	S2 [a]	S2 [b]
JE1296-12	1G204038.D	88	89	54	53
OP59697-BS1	1G204074.D	57	57	58	40
OP59697-BSD	1G204075.D	56	56	51	36
OP59697-MB1	1G204073.D	90	86	89	58

Surrogate Compounds	Recovery Limits
S1 = Tetrachloro-m-xylene	10-175%
S2 = Decachlorobiphenyl	10-128%

(a) Recovery from GC signal #1
(b) Recovery from GC signal #2

Surrogate Recovery Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Method: SW846 8082A **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S1 [b]	S2 [a]	S2 [b]
JE1296-12	3G143555.D	92	79	54	57
OP59698-BS1	3G143548.D	99	97	75	84
OP59698-BSD	3G143549.D	65	64	53	59
OP59698-MB1	3G143547.D	84	83	60	66

Surrogate Compounds	Recovery Limits
S1 = Tetrachloro-m-xylene	10-169%
S2 = Decachlorobiphenyl	10-130%

(a) Recovery from GC signal #1
(b) Recovery from GC signal #2

GC Surrogate Retention Time Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G1G7313-CC7222	**Injection Date:**	11/27/24
Lab File ID:	1G204066.D	**Injection Time:**	14:56
Instrument ID:	GC1G	**Method:**	SW846 8081B

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	2.31	2.74	9.87	11.77

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
OP59697-MB1	1G204073.D	11/27/24	18:23	2.31	2.74	9.87	11.77
OP59697-BS1	1G204074.D	11/27/24	18:39	2.31	2.74	9.86	11.77
OP59697-BSD	1G204075.D	11/27/24	18:55	2.31	2.74	9.87	11.77

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G1G7312-CC7222	**Injection Date:**	11/27/24
Lab File ID:	1G204034.D	**Injection Time:**	03:27
Instrument ID:	GC1G	**Method:**	SW846 8081B

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	2.30	2.73	9.86	11.76

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
OP59567-MB1	1G204036.D	11/27/24	04:30	2.30	2.73	9.87	11.76
OP59567-BS1	1G204037.D	11/27/24	04:46	2.31	2.74	9.86	11.77
JE1296-12	1G204038.D	11/27/24	05:01	2.30	2.74	9.86	11.77
JE386-2	1G204039.D	11/27/24	05:17	2.31	2.74	9.86	11.77
ZZZZZZ	1G204041.D	11/27/24	05:49	2.30	2.74	9.86	11.77
ZZZZZZ	1G204043.D	11/27/24	06:20	2.31	2.74	9.86	11.77
ZZZZZZ	1G204045.D	11/27/24	06:52	2.30	2.74	9.86	11.77
ZZZZZZ	1G204047.D	11/27/24	07:24	2.31	2.74	9.86	11.77
ZZZZZZ	1G204049.D	11/27/24	07:55	2.30	2.74	9.86	11.77
ZZZZZZ	1G204050.D	11/27/24	08:11	2.30	2.74	9.86	11.76
JE619-3	1G204051.D	11/27/24	08:27	2.30	2.74	9.86	11.76
ZZZZZZ	1G204052.D	11/27/24	08:43	2.31	2.74	9.86	11.76
ZZZZZZ	1G204053.D	11/27/24	08:58	2.30	2.74	9.86	11.76
ZZZZZZ	1G204054.D	11/27/24	09:14	2.31	2.74	9.86	11.76
ZZZZZZ	1G204055.D	11/27/24	09:30	2.31	2.74	9.86	11.76
ZZZZZZ	1G204056.D	11/27/24	09:46	2.30	2.74	9.86	11.76
ZZZZZZ	1G204057.D	11/27/24	10:02	2.31	2.74	9.86	11.76
OP59567-MS	1G204058.D	11/27/24	10:17		0.00	0.00	0.00
OP59567-MSD	1G204059.D	11/27/24	10:33	0.00	0.00	0.00	0.00

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G3G5279-CC5271	**Injection Date:**	11/26/24
Lab File ID:	3G143545.D	**Injection Time:**	11:49
Instrument ID:	GC3G	**Method:**	SW846 8082A

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	3.31	4.13	10.75	12.76

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
OP59698A-MB1	3G143547.D	11/26/24	12:22	3.31	4.13	10.75	12.76
OP59698-MB1	3G143547.D	11/26/24	12:22	3.31	4.13	10.75	12.76
OP59698A-BS1	3G143548.D	11/26/24	12:39	3.31	4.13	10.75	12.76
OP59698-BS1	3G143548.D	11/26/24	12:39	3.31	4.13	10.75	12.76
OP59698A-BSD	3G143549.D	11/26/24	12:56	3.31	4.13	10.75	12.76
OP59698-BSD	3G143549.D	11/26/24	12:56	3.31	4.13	10.75	12.76
OP59700A-MB1	3G143550.D	11/26/24	13:12	3.31	4.13	10.75	12.76
OP59700A-BS1	3G143551.D	11/26/24	13:29	3.31	4.13	10.75	12.76
OP59700A-BSD	3G143552.D	11/26/24	13:45	3.31	4.13	10.75	12.76
ZZZZZZ	3G143553.D	11/26/24	14:02	3.31	4.13	10.75	12.76
ZZZZZZ	3G143554.D	11/26/24	14:19	3.33	4.13	10.75	12.76
JE1296-12	3G143555.D	11/26/24	14:35	3.31	4.13	10.75	12.76
ZZZZZZ	3G143556.D	11/26/24	14:52	3.31	4.13	10.73	12.76

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

Initial Calibration Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G1G7222-ICC7222
Lab FileID: 1G201473.D

Response Factor Report GC1G

Method : C:\msdchem\1\methods\1PST7222a.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Tue Oct 08 20:51:47 2024
Response via : Initial Calibration

Calibration Files
2 =1g201470.d 5 =1g201471.d 10 =1g201472.d 25 =1g201473.d
50 =1g201474.d 100 =1g201476.d 1 =1g201469.d 75 =1g201475.d

Compound	2	5	10	25	50	100	1	75	Avg	%RSD
1) I 1-bromo-2-nitrobenzen	ISTD									
2) Tetrachloro-	0.983	0.974	0.890	0.865	0.843	0.845	0.928	0.844	0.897	6.52
3) Hexachlorobe	1.330	1.271	1.119	1.123	1.065	1.045	1.295	1.045	1.162	10.18
4) alpha-BHC	1.443	1.384	1.230	1.293	1.282	1.304	1.390	1.279	1.326	5.43
5) gamma-BHC	1.201	1.232	1.045	1.097	1.075	1.089	1.341	1.070	1.144	9.07
6) Heptachlor	1.243	1.202	1.054	1.083	1.049	1.028	1.385	1.023	1.133	11.51
7) beta-BHC	0.579	0.578	0.494	0.509	0.489	0.484	0.675	0.485	0.536	12.78
8) delta-BHC	1.177	1.064	0.956	1.039	1.028	1.044	1.246	1.029	1.073	8.66
9) Aldrin	1.062	1.014	0.913	0.944	0.909	0.899	1.167	0.880	0.973	10.29
10) Alachlor		0.137	0.129	0.127	0.125	0.117		0.116	0.125	6.35
11) Heptachlor E	0.978	0.904	0.830	0.851	0.799	0.766	1.066	0.746	0.867	12.64
12) gamma-Chlord	0.940	0.872	0.817	0.812	0.777	0.754	0.960	0.762	0.837	9.49
13) alpha-Chlord	0.899	0.890	0.795	0.784	0.754	0.731	0.891	0.737	0.810	8.91
14) Endosulfan I	0.894	0.899	0.803	0.781	0.748	0.723	0.863	0.733	0.806	8.92
15) 4,4'-DDE	0.726	0.750	0.690	0.688	0.682	0.675	0.654	0.671	0.692	4.51
16) Dieldrin	0.857	0.841	0.750	0.749	0.726	0.699	0.874	0.706	0.775	9.13
17) Endrin	0.814	0.771	0.702	0.707	0.679	0.644	0.798	0.662	0.722	8.87
18) 4,4'-DDD	0.672	0.640	0.567	0.565	0.562	0.538	0.529	0.550	0.578	8.78
19) Endosulfan I	0.841	0.760	0.658	0.639	0.636	0.584	0.821	0.601	0.692	14.49
20) 4,4'-DDT	0.505	0.523	0.471	0.508	0.521	0.501	0.469	0.517	0.502	4.18
21) Endrin Aldeh	0.520	0.514	0.464	0.462	0.440	0.418	0.488	0.424	0.466	8.28
22) Endosulfan S	0.627	0.573	0.531	0.521	0.497	0.480	0.550	0.489	0.534	9.18
23) Methoxychlor	0.266	0.271	0.262	0.268	0.262	0.263	0.265	0.263	0.265	1.22
24) Mirex	0.559	0.556	0.493	0.475	0.448	0.427	0.569	0.435	0.495	11.84
25) Endrin Keton	0.685	0.688	0.654	0.631	0.594	0.577	0.692	0.583	0.638	7.67
26) Decachlorobi	0.616	0.597	0.665	0.656	0.542	0.530	0.689	0.531	0.603	10.55
27) I 1-bromo-2-nitrobenzen	ISTD									
28) Toxaphene{A}				0.004					0.004	0.00
29) Toxaphene{B}				0.008					0.008	0.00
30) Toxaphene{C}				0.007					0.007	0.00
31) Toxaphene{D}				0.011					0.011	0.00
32) Toxaphene{E}				0.015					0.015	0.00
33) I 1-bromo-2-nitrobenzen	ISTD									
34) Chlordane {A				0.058					0.058	0.00
35) Chlordane {B				0.034					0.034	0.00
36) Chlordane {C				0.099					0.099	0.00
37) Chlordane {D				0.151					0.151	0.00
38) Chlordane {E				0.023					0.023	0.00

Signal #2

1) I 1-bromo-2-nitrobenzen	ISTD									
2) Tetrachloro-	0.727	0.640	0.608	0.615	0.603	0.617	0.723	0.602	0.642	8.22

Initial Calibration Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G1G7222-ICC7222
Lab FileID: 1G201473.D

3)	Hexachlorobe	1.328	1.340	1.288	1.268	1.243	1.263	1.428	1.238	1.299	4.91
4)	alpha-BHC	1.408	1.397	1.367	1.449	1.484	1.569	1.439	1.510	1.453	4.54
5)	gamma-BHC	1.294	1.282	1.239	1.293	1.319	1.385	1.462	1.336	1.326	5.24
6)	Heptachlor	1.350	1.320	1.300	1.342	1.356	1.410	1.379	1.367	1.353	2.53
7)	beta-BHC	0.561	0.552	0.530	0.513	0.503	0.513	0.608	0.504	0.535	6.81
8)	delta-BHC	1.321	1.217	1.241	1.291	1.346	1.421	1.369	1.358	1.321	5.16
9)	Aldrin	1.326	1.273	1.205	1.251	1.263	1.326	1.311	1.283	1.280	3.23
10)	Alachlor		0.172	0.132	0.131	0.125	0.123		0.121	0.134	14.25
11)	Heptachlor E	1.155	1.150	1.097	1.157	1.157	1.206	1.265	1.170	1.170	4.18
12)	gamma-Chlord	1.119	1.151	1.099	1.119	1.137	1.197	1.182	1.155	1.145	2.90
13)	alpha-Chlord	1.059	1.127	1.093	1.134	1.134	1.188	1.104	1.149	1.124	3.45
14)	Endosulfan I	1.095	1.125	1.062	1.099	1.092	1.134	1.201	1.102	1.114	3.72
15)	4,4'-DDE	1.035	1.032	1.016	1.037	1.051	1.115	1.259	1.076	1.078	7.37
16)	Dieldrin	1.243	1.150	1.109	1.154	1.164	1.221	1.378	1.187	1.201	6.90
17)	Endrin	1.123	1.086	1.037	1.061	1.064	1.120	1.186	1.072	1.094	4.32
18)	4,4'-DDD	0.860	0.831	0.797	0.800	0.796	0.839	1.102	0.795	0.852	12.18
19)	Endosulfan I	1.099	1.037	1.034	1.004	0.989	1.024	1.149	0.971	1.038	5.67
20)	4,4'-DDT	0.636	0.645	0.683	0.699	0.728	0.799	0.939	0.738	0.733	13.42
21)	Endrin Aldeh	0.639	0.761	0.718	0.740	0.721	0.727	0.701	0.687	0.712	5.22
22)	Endosulfan S	0.799	0.839	0.821	0.882	0.872	0.893	0.843	0.863	0.852	3.73
23)	Methoxychlor	0.388	0.400	0.399	0.382	0.385	0.396	0.423	0.387	0.395	3.36
24)	Mirex	0.852	0.711	0.702	0.672	0.670	0.663	0.758	0.656	0.710	9.32
25)	Endrin Keton	0.983	0.939	0.952	0.943	0.971	0.991	0.921	0.970	0.959	2.51
26)	Decachlorobi	0.935	0.929	0.911	0.890	0.861	0.854	0.912	0.845	0.892	3.92

27)	I 1-bromo-2-nitrobenzen	----------ISTD----------		
28)	Toxaphene{A}	0.010	0.010	0.00
29)	Toxaphene{B}	0.006	0.006	0.00
30)	Toxaphene{C}	0.021	0.021	0.00
31)	Toxaphene{D}	0.020	0.020	0.00
32)	Toxaphene{E}	0.023	0.023	0.00

33)	I 1-bromo-2-nitrobenzen	----------ISTD----------		
34)	Chlordane {A	0.071	0.071	0.00
35)	Chlordane {B	0.039	0.039	0.00
36)	Chlordane {C	0.138	0.138	0.00
37)	Chlordane {D	0.226	0.226	0.00
38)	Chlordane {E	0.032	0.032	0.00

(#) = Out of Range ### Number of calibration levels exceeded format ###

1PST7222a.M Tue Oct 08 21:01:39 2024

Initial Calibration Verification

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G1G7222-ICV7222
Lab FileID: 1G201479.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\1G7222\1g201479.d\ECD1A.CH Vial: 15
Signal #2 : C:\msdchem\1\data\1G7222\1g201479.d\ECD2B.CH
Acq On : 08 Oct 2024 13:30 pm Operator: rebeccak
Sample : icv7222-25 (pest mix) Inst : GC1G
Misc : op58263,g1g7222,1000,,,1,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\methods\1PST7222a.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Tue Oct 08 14:34:46 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	102	0.00	1.75- 1.81
2	SAB	Tetrachloro-m-xylene	0.897	0.903	-0.7	106	0.00	2.29- 2.35
3		Hexachlorobenzene	1.162	1.062	8.6	96	0.00	2.61- 2.67
4	A	alpha-BHC	1.326	1.203	9.3	95	0.00	2.75- 2.81
5	MA	gamma-BHC	1.144	1.039	9.2	97	0.00	3.04- 3.10
6	MA	Heptachlor	1.133	1.009	10.9	95	0.00	3.54- 3.60
7	B	beta-BHC	0.536	0.478	10.8	96	0.00	3.11- 3.17
8	B	delta-BHC	1.073	0.968	9.8	95	0.00	3.30- 3.36
9	MB	Aldrin	0.973	0.886	8.9	96	0.00	3.88- 3.94
10		Alachlor	0.125	0.118	5.6	95	0.00	4.00- 4.06
11	B	Heptachlor Epoxide	0.867	0.783	9.7	94	0.00	4.61- 4.67
12	B	gamma-Chlordane	0.837	0.762	9.0	96	0.00	4.78- 4.84
13	B	alpha-Chlordane	0.810	0.698	13.8	91	0.00	4.95- 5.01
14	A	Endosulfan I	0.806	0.714	11.4	93	0.00	5.14- 5.20
15	B	4,4'-DDE	0.692	0.613	11.4	91	0.00	5.07- 5.13
16	MA	Dieldrin	0.775	0.686	11.5	93	0.00	5.48- 5.54
17	MA	Endrin	0.722	0.625	13.4	90	0.00	5.82- 5.88
18	A	4,4'-DDD	0.578	0.506	12.5	91	0.00	5.95- 6.02
19	B	Endosulfan II	0.692	0.607	12.3	97	0.00	6.16- 6.22
20	MA	4,4'-DDT	0.502	0.472	6.0	95	0.00	6.39- 6.45
21	B	Endrin Aldehyde	0.466	0.466	0.0	103	0.00	6.82- 6.88
22	B	Endosulfan Sulfate	0.534	0.488	8.6	95	0.00	7.55- 7.61
23	A	Methoxychlor	0.265	0.241	9.1	92	0.00	7.23- 7.29
24		Mirex	0.495	0.465	6.1	100	0.00	7.41- 7.47
25	B	Endrin Ketone	0.638	0.567	11.1	92	0.00	8.03- 8.09
26	SA	Decachlorobiphenyl	0.603	0.576	4.5	90	0.00	9.87- 9.93
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	102	0.00	1.68- 1.88
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	102	0.00	1.68- 1.88
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				

Initial Calibration Verification

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G1G7222-ICV7222
Lab FileID: 1G201479.D

***** Signal #2 *****

1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	102	0.00	1.94- 2.00
2	SAB	Tetrachloro-m-xylene	0.642	0.635	1.1	105	0.00	2.74- 2.80
3		Hexachlorobenzene	1.299	1.221	6.0	98	0.00	3.26- 3.32
4	A	alpha-BHC	1.453	1.354	6.8	95	0.00	3.41- 3.47
5	MA	gamma-BHC	1.326	1.231	7.2	97	0.00	3.86- 3.92
6	MA	Heptachlor	1.353	1.257	7.1	96	0.00	4.46- 4.52
7	B	beta-BHC	0.535	0.478	10.7	95	0.00	3.95- 4.01
8	B	delta-BHC	1.321	1.152	12.8	91	0.00	4.37- 4.43
9	MB	Aldrin	1.280	1.209	5.5	99	0.00	4.95- 5.01
10		Alachlor	0.134	0.131	2.2	102	0.00	4.72- 4.78
11	B	Heptachlor Epoxide	1.170	1.097	6.2	97	0.00	5.82- 5.88
12	B	gamma-Chlordane	1.145	1.087	5.1	99	0.00	6.13- 6.19
13	B	alpha-Chlordane	1.124	1.027	8.6	92	0.00	6.37- 6.43
14	A	Endosulfan I	1.114	1.035	7.1	96	0.00	6.48- 6.54
15	B	4,4'-DDE	1.078	0.964	10.6	95	0.00	6.64- 6.70
16	MA	Dieldrin	1.201	1.092	9.1	97	0.00	6.95- 7.01
17	MA	Endrin	1.094	0.982	10.2	95	0.00	7.50- 7.56
18	A	4,4'-DDD	0.852	0.746	12.4	95	0.00	7.67- 7.73
19	B	Endosulfan II	1.038	0.928	10.6	94	0.00	7.88- 7.94
20	MA	4,4'-DDT	0.733	0.628	14.3	92	0.00	8.24- 8.30
21	B	Endrin Aldehyde	0.712	0.726	-2.0	100	0.00	8.50- 8.56
22	B	Endosulfan Sulfate	0.852	0.797	6.5	92	0.00	9.01- 9.07
23	A	Methoxychlor	0.395	0.338	14.4	90	0.00	9.56- 9.62
24		Mirex	0.710	0.655	7.7	99	0.00	9.90- 9.96
25	B	Endrin Ketone	0.959	0.871	9.2	94	0.00	9.96-10.02
26	SA	Decachlorobiphenyl	0.892	0.894	-0.2	103	0.00	11.80-11.86
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	102	0.00	1.87- 2.07
28	L8	Toxaphene{A}	----------NA----------					
29	L8	Toxaphene{B}	----------NA----------					
30	L8	Toxaphene{C}	----------NA----------					
31	L8	Toxaphene{D}	----------NA----------					
32	L8	Toxaphene{E}	----------NA----------					
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	102	0.00	1.87- 2.07
34		Chlordane {A}	----------NA----------					
35		Chlordane {B}	----------NA----------					
36		Chlordane {C}	----------NA----------					
37		Chlordane {D}	----------NA----------					
38		Chlordane {E}	----------NA----------					

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1g201473.d 1PST7222a.M Tue Oct 08 14:37:23 2024

Initial Calibration Verification

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G1G7222-ICV7222
Lab FileID: 1G201480.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\1G7222\1g201480.d\ECD1A.CH Vial: 16
Signal #2 : C:\msdchem\1\data\1G7222\1g201480.d\ECD2B.CH
Acq On : 08 Oct 2024 1:46 pm Operator: rebeccak
Sample : icv7222-500 (chlordane) Inst : GC1G
Misc : op58263,g1g7222,1000,,,1,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\methods\1PST7222a.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Tue Oct 08 14:34:46 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	103	0.00	1.75- 1.81
2	SAB	Tetrachloro-m-xylene	0.897	0.930	-3.7	114	0.00	2.29- 2.35
3		Hexachlorobenzene		----------NA----------				
4	A	alpha-BHC		----------NA----------				
5	MA	gamma-BHC		----------NA----------				
6	MA	Heptachlor		----------NA----------				
7	B	beta-BHC		----------NA----------				
8	B	delta-BHC		----------NA----------				
9	MB	Aldrin		----------NA----------				
10		Alachlor		----------NA----------				
11	B	Heptachlor Epoxide		----------NA----------				
12	B	gamma-Chlordane		----------NA----------				
13	B	alpha-Chlordane		----------NA----------				
14	A	Endosulfan I		----------NA----------				
15	B	4,4'-DDE		----------NA----------				
16	MA	Dieldrin		----------NA----------				
17	MA	Endrin		----------NA----------				
18	A	4,4'-DDD		----------NA----------				
19	B	Endosulfan II		----------NA----------				
20	MA	4,4'-DDT		----------NA----------				
21	B	Endrin Aldehyde		----------NA----------				
22	B	Endosulfan Sulfate		----------NA----------				
23	A	Methoxychlor		----------NA----------				
24		Mirex		----------NA----------				
25	B	Endrin Ketone		----------NA----------				
26	SA	Decachlorobiphenyl	0.603	0.523	13.3	100	0.00	9.87- 9.93
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	103	0.00	1.68- 1.88
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	103	0.00	1.68- 1.88
34		Chlordane {A}	0.058	0.059	-1.7	104	0.00	3.47- 3.67
35		Chlordane {B}	0.034	0.034	0.0	105	0.00	3.95- 4.15
36		Chlordane {C}	0.099	0.102	-3.0	106	0.00	4.71- 4.91
37		Chlordane {D}	0.151	0.153	-1.3	104	0.00	4.88- 5.08
38		Chlordane {E}	0.023	0.023	0.0	106	0.00	5.99- 6.19

Initial Calibration Verification

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G1G7222-ICV7222
Lab FileID: 1G201480.D

***** Signal #2 *****

1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	101	0.00	1.94- 2.00
2	SAB	Tetrachloro-m-xylene	0.642	0.633	1.4	106	0.00	2.74- 2.80
3		Hexachlorobenzene		----------NA----------				
4	A	alpha-BHC		----------NA----------				
5	MA	gamma-BHC		----------NA----------				
6	MA	Heptachlor		----------NA----------				
7	B	beta-BHC		----------NA----------				
8	B	delta-BHC		----------NA----------				
9	MB	Aldrin		----------NA----------				
10		Alachlor		----------NA----------				
11	B	Heptachlor Epoxide		----------NA----------				
12	B	gamma-Chlordane		----------NA----------				
13	B	alpha-Chlordane		----------NA----------				
14	A	Endosulfan I		----------NA----------				
15	B	4,4'-DDE		----------NA----------				
16	MA	Dieldrin		----------NA----------				
17	MA	Endrin		----------NA----------				
18	A	4,4'-DDD		----------NA----------				
19	B	Endosulfan II		----------NA----------				
20	MA	4,4'-DDT		----------NA----------				
21	B	Endrin Aldehyde		----------NA----------				
22	B	Endosulfan Sulfate		----------NA----------				
23	A	Methoxychlor		----------NA----------				
24		Mirex		----------NA----------				
25	B	Endrin Ketone		----------NA----------				
26	SA	Decachlorobiphenyl	0.892	0.885	0.8	104	0.00	11.80-11.86
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	101	0.00	1.87- 2.07
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	101	0.00	1.87- 2.07
34		Chlordane {A}	0.071	0.076	-7.0	107	0.00	4.39- 4.59
35		Chlordane {B}	0.039	0.040	-2.6	104	0.00	5.07- 5.27
36		Chlordane {C}	0.138	0.147	-6.5	106	0.00	6.06- 6.26
37		Chlordane {D}	0.226	0.238	-5.3	106	0.00	6.30- 6.50
38		Chlordane {E}	0.032	0.033	-3.1	103	0.00	7.89- 8.09

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1g201477.d 1PST7222a.M Tue Oct 08 14:36:49 2024

Initial Calibration Verification

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G1G7222-ICV7222
Lab FileID: 1G201481.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\1G7222\1g201481.d\ECD1A.CH Vial: 17
Signal #2 : C:\msdchem\1\data\1G7222\1g201481.d\ECD2B.CH
Acq On : 08 Oct 2024 14:02 pm Operator: rebeccak
Sample : icv7222-500 (toxaphene) Inst : GC1G
Misc : op58263,g1g7222,1000,,,1,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\methods\1PST7222a.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Tue Oct 08 20:51:47 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	104	0.00	1.75- 1.81
2	SAB	Tetrachloro-m-xylene	0.897	0.927	-3.3	114	0.00	2.29- 2.35
3		Hexachlorobenzene		----------NA----------				
4	A	alpha-BHC		----------NA----------				
5	MA	gamma-BHC		----------NA----------				
6	MA	Heptachlor		----------NA----------				
7	B	beta-BHC		----------NA----------				
8	B	delta-BHC		----------NA----------				
9	MB	Aldrin		----------NA----------				
10		Alachlor		----------NA----------				
11	B	Heptachlor Epoxide		----------NA----------				
12	B	gamma-Chlordane		----------NA----------				
13	B	alpha-Chlordane		----------NA----------				
14	A	Endosulfan I		----------NA----------				
15	B	4,4'-DDE		----------NA----------				
16	MA	Dieldrin		----------NA----------				
17	MA	Endrin		----------NA----------				
18	A	4,4'-DDD		----------NA----------				
19	B	Endosulfan II		----------NA----------				
20	MA	4,4'-DDT		----------NA----------				
21	B	Endrin Aldehyde		----------NA----------				
22	B	Endosulfan Sulfate		----------NA----------				
23	A	Methoxychlor		----------NA----------				
24		Mirex		----------NA----------				
25	B	Endrin Ketone		----------NA----------				
26	SA	Decachlorobiphenyl	0.603	0.546	9.5	104	0.00	9.87- 9.93
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	99	0.00	1.68- 1.88
28	L8	Toxaphene{A}	0.004	0.004	0.0	102	-0.03	4.84- 5.04
29	L8	Toxaphene{B}	0.008	0.007	12.5	83	0.00	5.54- 5.74
30	L8	Toxaphene{C}	0.007	0.009	-28.6#	132	0.00	6.61- 6.81
31	L8	Toxaphene{D}	0.011	0.010	9.1	91	0.00	7.15- 7.35
32	L8	Toxaphene{E}	0.015	0.012	20.0	81	0.00	7.31- 7.51
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	103	0.00	1.68- 1.88
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				

Initial Calibration Verification

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G1G7222-ICV7222
Lab FileID: 1G201481.D

***** Signal #2 *****

1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	102	0.00	1.94- 2.00
2	SAB	Tetrachloro-m-xylene	0.642	0.636	0.9	108	0.00	2.74- 2.80
3		Hexachlorobenzene		----------NA----------				
4	A	alpha-BHC		----------NA----------				
5	MA	gamma-BHC		----------NA----------				
6	MA	Heptachlor		----------NA----------				
7	B	beta-BHC		----------NA----------				
8	B	delta-BHC		----------NA----------				
9	MB	Aldrin		----------NA----------				
10		Alachlor		----------NA----------				
11	B	Heptachlor Epoxide		----------NA----------				
12	B	gamma-Chlordane		----------NA----------				
13	B	alpha-Chlordane		----------NA----------				
14	A	Endosulfan I		----------NA----------				
15	B	4,4'-DDE		----------NA----------				
16	MA	Dieldrin		----------NA----------				
17	MA	Endrin		----------NA----------				
18	A	4,4'-DDD		----------NA----------				
19	B	Endosulfan II		----------NA----------				
20	MA	4,4'-DDT		----------NA----------				
21	B	Endrin Aldehyde		----------NA----------				
22	B	Endosulfan Sulfate		----------NA----------				
23	A	Methoxychlor		----------NA----------				
24		Mirex		----------NA----------				
25	B	Endrin Ketone		----------NA----------				
26	SA	Decachlorobiphenyl	0.892	0.881	1.2	104	0.00	11.80-11.86
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	100	0.00	1.87- 2.07
28	L8	Toxaphene{A}	0.010	0.013	-30.0#	125	0.00	6.83- 7.03
29	L8	Toxaphene{B}	0.006	0.007	-16.7	109	0.00	7.01- 7.21
30	L8	Toxaphene{C}	0.021	0.029	-38.1#	138	0.00	7.94- 8.14
31	L8	Toxaphene{D}	0.020	0.017	15.0	84	0.00	8.41- 8.61
32	L8	Toxaphene{E}	0.023	0.017	26.1#	73	0.00	9.39- 9.59
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	102	0.00	1.87- 2.07
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1g201474.d 1PST7222a.M Tue Oct 08 20:57:55 2024

Continuing Calibration Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G1G7312-CC7222
Lab FileID: 1G204034.D

Evaluate Continuing Calibration Report

Signal #1 : X:\Dayton SVOA GC\8....2\1g204034.d\ECD1A.CH Vial: 4
Signal #2 : X:\Dayton SVOA GC\8. GC ...G7312\1g204034.d\ECD2B.CH
Acq On : 27-Nov-24, 03:27:24 Operator: christp
Sample : cc7222-50 Inst : GC1G
Misc : op59653,g1g7312,1000,,,1,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : X:\Dayton SVOA G...7312\1PST7222a.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Tue Nov 26 22:35:31 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	87	0.00	1.73- 1.79
2	SAB	Tetrachloro-m-xylene	0.897	0.798	11.0	82	0.00	2.27- 2.33
3		Hexachlorobenzene	1.162	1.012	12.9	83	0.00	2.59- 2.65
4	A	alpha-BHC	1.326	1.188	10.4	81	0.00	2.72- 2.78
5	MA	gamma-BHC	1.144	1.002	12.4	81	0.00	3.02- 3.08
6	MA	Heptachlor	1.133	0.950	16.2	79	0.00	3.51- 3.57
7	B	beta-BHC	0.536	0.444	17.2	79	0.00	3.09- 3.15
8	B	delta-BHC	1.073	0.975	9.1	83	0.00	3.28- 3.34
9	MB	Aldrin	0.973	0.821	15.6	79	0.00	3.85- 3.91
10		Alachlor	0.125	0.102	18.4	71	0.00	3.98- 4.04
11	B	Heptachlor Epoxide	0.867	0.718	17.2	78	0.00	4.57- 4.63
12	B	gamma-Chlordane	0.837	0.699	16.5	78	0.00	4.75- 4.81
13	B	alpha-Chlordane	0.810	0.679	16.2	78	0.00	4.92- 4.98
14	A	Endosulfan I	0.806	0.644	20.1#	75	0.00	5.10- 5.16
15	B	4,4'-DDE	0.692	0.675	2.5	86	0.00	5.03- 5.09
16	MA	Dieldrin	0.775	0.653	15.7	78	0.00	5.44- 5.50
17	MA	Endrin	0.722	0.607	15.9	78	0.00	5.78- 5.84
18	A	4,4'-DDD	0.578	0.500	13.5	77	-0.02	5.89- 5.96
19	B	Endosulfan II	0.692	0.533	23.0#	73	0.00	6.12- 6.18
20	MA	4,4'-DDT	0.502	0.472	6.0	79	0.00	6.34- 6.40
21	B	Endrin Aldehyde	0.466	0.384	17.6	76	0.00	6.77- 6.83
22	B	Endosulfan Sulfate	0.534	0.458	14.2	80	0.00	7.50- 7.56
23	A	Methoxychlor	0.265	0.264	0.4	88	-0.01	7.18- 7.24
24		Mirex	0.495	0.400	19.2	78	0.00	7.37- 7.43
25	B	Endrin Ketone	0.638	0.559	12.4	82	0.00	7.98- 8.04
26	SA	Decachlorobiphenyl	0.603	0.526	12.8	84	0.00	9.83- 9.89
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	83	0.00	1.66- 1.86
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	87	0.00	1.66- 1.86
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				

Continuing Calibration Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G1G7312-CC7222
Lab FileID: 1G204034.D

***** Signal #2 *****

1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	98	0.00	1.91- 1.97
2	SAB	Tetrachloro-m-xylene	0.642	0.557	13.2	91	0.00	2.70- 2.76
3		Hexachlorobenzene	1.299	1.182	9.0	94	-0.01	3.22- 3.28
4	A	alpha-BHC	1.453	1.373	5.5	91	-0.01	3.37- 3.43
5	MA	gamma-BHC	1.326	1.219	8.1	91	-0.01	3.81- 3.87
6	MA	Heptachlor	1.353	1.256	7.2	91	-0.01	4.41- 4.47
7	B	beta-BHC	0.535	0.451	15.7	88	-0.01	3.90- 3.96
8	B	delta-BHC	1.321	1.270	3.9	93	-0.02	4.31- 4.37
9	MB	Aldrin	1.280	1.169	8.7	91	0.00	4.89- 4.95
10		Alachlor	0.134	0.109	18.7	86	-0.01	4.66- 4.72
11	B	Heptachlor Epoxide	1.170	1.098	6.2	93	-0.01	5.75- 5.81
12	B	gamma-Chlordane	1.145	1.074	6.2	93	-0.01	6.06- 6.12
13	B	alpha-Chlordane	1.124	1.071	4.7	93	0.00	6.30- 6.36
14	A	Endosulfan I	1.114	1.040	6.6	94	0.00	6.41- 6.47
15	B	4,4'-DDE	1.078	1.030	4.5	97	-0.02	6.57- 6.63
16	MA	Dieldrin	1.201	1.140	5.1	96	0.00	6.88- 6.94
17	MA	Endrin	1.094	1.100	-0.5	102	0.00	7.42- 7.48
18	A	4,4'-DDD	0.852	0.802	5.9	99	-0.02	7.59- 7.65
19	B	Endosulfan II	1.038	0.945	9.0	94	-0.01	7.81- 7.87
20	MA	4,4'-DDT	0.733	0.775	-5.7	105	-0.01	8.17- 8.23
21	B	Endrin Aldehyde	0.712	0.661	7.2	90	-0.01	8.42- 8.48
22	B	Endosulfan Sulfate	0.852	0.826	3.1	93	0.00	8.93- 8.99
23	A	Methoxychlor	0.395	0.410	-3.8	105	0.00	9.49- 9.55
24		Mirex	0.710	0.648	8.7	95	0.00	9.84- 9.90
25	B	Endrin Ketone	0.959	1.018	-6.2	103	0.00	9.90- 9.96
26	SA	Decachlorobiphenyl	0.892	0.853	4.4	98	0.00	11.73-11.79
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	97	0.00	1.84- 2.04
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	98	0.00	1.84- 2.04
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1g203962.d 1PST7222a.M Wed Nov 27 14:33:34 2024

10.8.5 10

Continuing Calibration Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G1G7313-CC7222
Lab FileID: 1G204066.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\ma...3\1g204066.d\ECD1A.CH Vial: 4
Signal #2 : C:\msdchem\1\data\maryan...G7313\1g204066.d\ECD2B.CH
Acq On : 27-Nov-24, 14:56:54 Operator: mahalial
Sample : cc7222-50 Inst : GC1G
Misc : op59567,g1g7313,1.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\dat...7313\1PST7222a.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Thu Nov 28 05:26:23 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	72	0.00	1.73- 1.79
2	SAB	Tetrachloro-m-xylene	0.897	0.768	14.4	65	0.00	2.28- 2.34
3		Hexachlorobenzene	1.162	0.906	22.0#	61	0.00	2.60- 2.66
4	A	alpha-BHC	1.326	1.128	14.9	63	0.00	2.73- 2.79
5	MA	gamma-BHC	1.144	0.979	14.4	65	0.00	3.02- 3.08
6	MA	Heptachlor	1.133	0.965	14.8	66	0.00	3.52- 3.58
7	B	beta-BHC	0.536	0.445	17.0	65	0.00	3.09- 3.15
8	B	delta-BHC	1.073	0.935	12.9	65	0.00	3.28- 3.34
9	MB	Aldrin	0.973	0.872	10.4	69	0.00	3.85- 3.91
10		Alachlor	0.125	0.105	16.0	60	0.00	3.98- 4.04
11	B	Heptachlor Epoxide	0.867	0.857	1.2	77	0.00	4.58- 4.64
12	B	gamma-Chlordane	0.837	0.833	0.5	77	0.00	4.75- 4.81
13	B	alpha-Chlordane	0.810	0.843	-4.1	80	0.00	4.92- 4.98
14	A	Endosulfan I	0.806	0.838	-4.0	80	0.00	5.10- 5.16
15	B	4,4'-DDE	0.692	0.802	-15.9	84	0.00	5.04- 5.10
16	MA	Dieldrin	0.775	0.900	-16.1	89	0.00	5.44- 5.50
17	MA	Endrin	0.722	0.889	-23.1#	94	0.00	5.78- 5.84
18	A	4,4'-DDD	0.578	0.713	-23.4#	91	0.00	5.91- 5.98
19	B	Endosulfan II	0.692	0.815	-17.8	92	0.00	6.12- 6.18
20	MA	4,4'-DDT	0.502	0.709	-41.2#	97	0.00	6.35- 6.41
21	B	Endrin Aldehyde	0.466	0.623	-33.7#	101	0.00	6.78- 6.84
22	B	Endosulfan Sulfate	0.534	0.771	-44.4#	111	0.00	7.50- 7.56
23	A	Methoxychlor	0.265	0.420	-58.5#	114	0.00	7.19- 7.25
24		Mirex	0.495	0.691	-39.6#	110	0.00	7.37- 7.43
25	B	Endrin Ketone	0.638	0.916	-43.6#	110	0.00	7.98- 8.04
26	SA	Decachlorobiphenyl	0.603	0.914	-51.6#	121	0.00	9.84- 9.90
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	68	0.00	1.66- 1.86
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	71	0.00	1.66- 1.86
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				

Continuing Calibration Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G1G7313-CC7222
Lab FileID: 1G204066.D

***** Signal #2 *****

1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	104	0.00	1.92- 1.98
2	SAB	Tetrachloro-m-xylene	0.642	0.553	13.9	96	0.00	2.71- 2.77
3		Hexachlorobenzene	1.299	1.159	10.8	97	0.00	3.23- 3.29
4	A	alpha-BHC	1.453	1.366	6.0	96	0.00	3.38- 3.44
5	MA	gamma-BHC	1.326	1.185	10.6	94	0.00	3.82- 3.88
6	MA	Heptachlor	1.353	1.257	7.1	97	0.00	4.42- 4.48
7	B	beta-BHC	0.535	0.439	17.9	91	0.00	3.91- 3.97
8	B	delta-BHC	1.321	1.225	7.3	95	0.00	4.33- 4.39
9	MB	Aldrin	1.280	1.186	7.3	98	0.00	4.90- 4.96
10		Alachlor	0.134	0.106	20.9#	88	0.00	4.68- 4.74
11	B	Heptachlor Epoxide	1.170	1.339	-14.4	121	0.00	5.77- 5.83
12	B	gamma-Chlordane	1.145	1.069	6.6	98	0.00	6.07- 6.13
13	B	alpha-Chlordane	1.124	1.048	6.8	96	0.00	6.31- 6.37
14	A	Endosulfan I	1.114	1.025	8.0	98	0.00	6.42- 6.48
15	B	4,4'-DDE	1.078	1.018	5.6	101	0.00	6.58- 6.64
16	MA	Dieldrin	1.201	1.131	5.8	101	0.00	6.89- 6.95
17	MA	Endrin	1.094	1.021	6.7	100	0.00	7.44- 7.50
18	A	4,4'-DDD	0.852	0.786	7.7	103	0.00	7.61- 7.67
19	B	Endosulfan II	1.038	0.929	10.5	98	0.00	7.82- 7.88
20	MA	4,4'-DDT	0.733	0.741	-1.1	106	0.00	8.19- 8.25
21	B	Endrin Aldehyde	0.712	0.641	10.0	93	0.00	8.44- 8.50
22	B	Endosulfan Sulfate	0.852	0.801	6.0	96	0.00	8.95- 9.01
23	A	Methoxychlor	0.395	0.394	0.3	107	0.00	9.50- 9.56
24		Mirex	0.710	0.600	15.5	93	0.00	9.85- 9.91
25	B	Endrin Ketone	0.959	0.882	8.0	95	0.00	9.91- 9.97
26	SA	Decachlorobiphenyl	0.892	0.847	5.0	103	0.00	11.74-11.80
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	103	0.00	1.85- 2.05
28	L8	Toxaphene{A}	----------NA----------					
29	L8	Toxaphene{B}	----------NA----------					
30	L8	Toxaphene{C}	----------NA----------					
31	L8	Toxaphene{D}	----------NA----------					
32	L8	Toxaphene{E}	----------NA----------					
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	104	0.00	1.85- 2.05
34		Chlordane {A}	----------NA----------					
35		Chlordane {B}	----------NA----------					
36		Chlordane {C}	----------NA----------					
37		Chlordane {D}	----------NA----------					
38		Chlordane {E}	----------NA----------					

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1g204066.d 1PST7222a.M Thu Nov 28 05:28:45 2024

Continuing Calibration Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G1G7313-CC7222
Lab FileID: 1G204090.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\ma...3\1g204090.d\ECD1A.CH Vial: 2
Signal #2 : C:\msdchem\1\data\maryan...G7313\1g204090.d\ECD2B.CH
Acq On : 27-Nov-24, 22:52:22 Operator: thomasl
Sample : cc7222-25 Inst : GC1G
Misc : op59522a,g1g7313,1.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\dat...7313\1PST7222a.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Thu Nov 28 05:26:23 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	92	0.00	1.74- 1.80
2	SAB	Tetrachloro-m-xylene	0.897	0.719	19.8	76	0.00	2.28- 2.34
3		Hexachlorobenzene	1.162	0.876	24.6#	72	0.00	2.60- 2.66
4	A	alpha-BHC	1.326	1.040	21.6#	74	0.00	2.73- 2.79
5	MA	gamma-BHC	1.144	0.902	21.2#	76	0.00	3.02- 3.08
6	MA	Heptachlor	1.133	0.913	19.4	78	0.00	3.52- 3.58
7	B	beta-BHC	0.536	0.417	22.2#	75	0.00	3.10- 3.16
8	B	delta-BHC	1.073	0.858	20.0#	76	0.00	3.29- 3.35
9	MB	Aldrin	0.973	0.791	18.7	77	0.00	3.85- 3.91
10		Alachlor	0.125	0.106	15.2	77	0.00	3.98- 4.04
11	B	Heptachlor Epoxide	0.867	0.743	14.3	80	0.00	4.57- 4.63
12	B	gamma-Chlordane	0.837	0.709	15.3	80	0.00	4.74- 4.80
13	B	alpha-Chlordane	0.810	0.693	14.4	81	0.00	4.92- 4.98
14	A	Endosulfan I	0.806	0.714	11.4	84	0.00	5.10- 5.16
15	B	4,4'-DDE	0.692	0.598	13.6	80	0.00	5.04- 5.10
16	MA	Dieldrin	0.775	0.709	8.5	87	0.00	5.44- 5.50
17	MA	Endrin	0.722	0.678	6.1	88	0.00	5.78- 5.84
18	A	4,4'-DDD	0.578	0.519	10.2	85	0.00	5.91- 5.98
19	B	Endosulfan II	0.692	0.623	10.0	90	0.00	6.12- 6.18
20	MA	4,4'-DDT	0.502	0.483	3.8	87	0.00	6.35- 6.41
21	B	Endrin Aldehyde	0.466	0.476	-2.1	95	0.00	6.77- 6.83
22	B	Endosulfan Sulfate	0.534	0.567	-6.2	100	0.00	7.50- 7.56
23	A	Methoxychlor	0.265	0.277	-4.5	95	0.00	7.19- 7.25
24		Mirex	0.495	0.528	-6.7	102	0.00	7.37- 7.43
25	B	Endrin Ketone	0.638	0.665	-4.2	97	0.00	7.98- 8.04
26	SA	Decachlorobiphenyl	0.603	0.657	-9.0	92	0.00	9.83- 9.89
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	92	0.00	1.67- 1.87
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	92	0.00	1.67- 1.87
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				

Continuing Calibration Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G1G7313-CC7222
Lab FileID: 1G204090.D

***** Signal #2 *****

1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	115	0.00	1.93- 1.99
2	SAB	Tetrachloro-m-xylene	0.642	0.507	21.0#	95	0.00	2.72- 2.78
3		Hexachlorobenzene	1.299	1.078	17.0	98	0.00	3.23- 3.29
4	A	alpha-BHC	1.453	1.205	17.1	96	0.00	3.38- 3.44
5	MA	gamma-BHC	1.326	1.070	19.3	95	0.00	3.82- 3.88
6	MA	Heptachlor	1.353	1.122	17.1	96	0.00	4.42- 4.48
7	B	beta-BHC	0.535	0.409	23.6#	92	0.00	3.92- 3.98
8	B	delta-BHC	1.321	1.010	23.5#	90	0.00	4.33- 4.39
9	MB	Aldrin	1.280	1.060	17.2	97	0.00	4.90- 4.96
10		Alachlor	0.134	0.104	22.4#	91	0.00	4.68- 4.74
11	B	Heptachlor Epoxide	1.170	0.972	16.9	97	0.00	5.77- 5.83
12	B	gamma-Chlordane	1.145	0.936	18.3	96	0.00	6.07- 6.13
13	B	alpha-Chlordane	1.124	0.936	16.7	95	0.00	6.31- 6.37
14	A	Endosulfan I	1.114	0.914	18.0	96	0.00	6.42- 6.48
15	B	4,4'-DDE	1.078	0.861	20.1#	95	0.00	6.58- 6.64
16	MA	Dieldrin	1.201	0.962	19.9	96	0.00	6.89- 6.95
17	MA	Endrin	1.094	0.870	20.5#	94	0.00	7.44- 7.50
18	A	4,4'-DDD	0.852	0.643	24.5#	92	0.00	7.61- 7.67
19	B	Endosulfan II	1.038	0.807	22.3#	92	0.00	7.82- 7.88
20	MA	4,4'-DDT	0.733	0.570	22.2#	94	0.00	8.18- 8.24
21	B	Endrin Aldehyde	0.712	0.578	18.8	90	0.00	8.44- 8.50
22	B	Endosulfan Sulfate	0.852	0.693	18.7	90	0.00	8.94- 9.00
23	A	Methoxychlor	0.395	0.331	16.2	100	0.00	9.51- 9.57
24		Mirex	0.710	0.548	22.8#	94	0.00	9.84- 9.90
25	B	Endrin Ketone	0.959	0.754	21.4#	92	0.00	9.91- 9.97
26	SA	Decachlorobiphenyl	0.892	0.733	17.8	95	0.00	11.74-11.80
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	115	0.00	1.86- 2.06
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	115	0.00	1.86- 2.06
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1g202295.d 1PST7222a.M Thu Nov 28 05:32:50 2024

Initial Calibration Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G3G5271-ICC5271
Lab FileID: 3G143272.D

Response Factor Report GC3G

Method : C:\msdchem\1\methods\3PCB5271a.M (ChemStation Integrator)
Title :
Last Update : Wed Nov 20 07:09:04 2024
Response via : Initial Calibration

Calibration Files
50 =3G143269.d 250 =3G143270.d 500 =3G143271.d 1000=3G143272.d
2000 =3G143273.d 3000 =3G143274.d

	Compound	50	250	500	1000	2000	3000	Avg	%RSD
1) S	Tetrachloro-m-xylen	9.974	8.735	8.282	8.011	7.748	7.582	8.389 E6	10.46
2)	AR1221-A				5.826			5.826 E4	0.00
3)	AR1221-B				8.606			8.606 E4	0.00
4)	AR1221-C				2.419			2.419 E5	0.00
5)	AR1221-D				9.271			9.271 E4	0.00
6)	AR1221-E				4.680			4.680 E4	0.00
7)	AR1232-A				1.975			1.975 E5	0.00
8)	AR1232-B				1.162			1.162 E5	0.00
9)	AR1232-C				2.438			2.438 E5	0.00
10)	AR1232-D				1.047			1.047 E5	0.00
11)	AR1232-E				1.007			1.007 E5	0.00
12)	AR1242-A				2.156			2.156 E5	0.00
13)	AR1242-B				4.410			4.410 E5	0.00
14)	AR1242-C				1.862			1.862 E5	0.00
15)	AR1242-D				1.941			1.941 E5	0.00
16)	AR1242-E				1.483			1.483 E5	0.00
17)	AR1248-A				1.078			1.078 E5	0.00
18)	AR1248-B				2.891			2.891 E5	0.00
19)	AR1248-C				1.657			1.657 E5	0.00
20)	AR1248-D				2.384			2.384 E5	0.00
21)	AR1248-E				1.665			1.665 E5	0.00
22)	AR1248-F				2.522			2.522 E5	0.00
23)	AR1248-G				2.293			2.293 E5	0.00
24)	AR1254-A				2.234			2.234 E5	0.00
25)	AR1254-B				3.151			3.151 E5	0.00
26)	AR1254-C				2.600			2.600 E5	0.00
27)	AR1254-D				4.577			4.577 E5	0.00
28)	AR1254-E				3.430			3.430 E5	0.00
29)	AR1254-F				3.126			3.126 E5	0.00
30)	AR1254-G				4.939			4.939 E5	0.00
31)	AR1262-A				3.704			3.704 E5	0.00
32)	AR1262-B				4.721			4.721 E5	0.00
33)	AR1262-C				4.609			4.609 E5	0.00
34)	AR1262-D				9.718			9.718 E5	0.00
35)	AR1262-E				1.140			1.140 E6	0.00
36)	AR1268-A				1.064			1.064 E6	0.00
37)	AR1268-B				1.057			1.057 E6	0.00
38)	AR1268-C				9.126			9.126 E5	0.00
39)	AR1268-D				3.808			3.808 E5	0.00
40)	AR1268-E				2.928			2.928 E6	0.00
41)	AR1016-A	2.146	1.868	1.711	1.568	1.429	1.355	1.680 E5	17.55
42)	AR1016-B	3.609	2.924	2.666	2.520	2.341	2.237	2.716 E5	18.41
43)	AR1016-C	7.130	5.765	5.418	5.225	5.024	4.890	5.575 E5	14.73
44)	AR1016-D	3.221	2.536	2.331	2.192	2.069	2.003	2.392 E5	18.76
45)	AR1016-E	3.299	2.681	2.460	2.287	2.175	2.100	2.500 E5	17.74
46)	AR1260-A	6.348	5.269	4.994	4.869	4.777	4.658	5.153 E5	12.07
47)	AR1260-B	4.058	3.351	3.149	3.039	2.974	2.904	3.246 E5	13.16

Initial Calibration Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G3G5271-ICC5271
Lab FileID: 3G143272.D

48)		AR1260-C	4.519	3.812	3.614	3.511	3.450	3.397	3.717 E5	11.28
49)		AR1260-D	9.208	8.230	8.017	7.945	7.819	7.653	8.145 E5	6.82
50)		AR1260-E	1.093	0.927	0.883	0.866	0.838	0.826	0.906 E6	10.90
51)	S	Decachlorobiphenyl	9.745	8.258	7.761	7.580	7.227	7.346	7.986 E6	11.71

Signal #2

1)	S	Tetrachloro-m-xylen	2.977	2.531	2.404	2.326	2.233	2.153	2.437 E7	12.11
2)		AR1221-A				1.536			1.536 E5	0.00
3)		AR1221-B				2.554			2.554 E5	0.00
4)		AR1221-C				5.641			5.641 E5	0.00
5)		AR1221-D				1.984			1.984 E5	0.00
6)		AR1221-E				1.386			1.386 E5	0.00
7)		AR1232-A				4.566			4.566 E5	0.00
8)		AR1232-B				3.688			3.688 E5	0.00
9)		AR1232-C				7.201			7.201 E5	0.00
10)		AR1232-D				2.879			2.879 E5	0.00
11)		AR1232-E				1.978			1.978 E5	0.00
12)		AR1242-A				6.156			6.156 E5	0.00
13)		AR1242-B				1.296			1.296 E6	0.00
14)		AR1242-C				5.116			5.116 E5	0.00
15)		AR1242-D				3.939			3.939 E5	0.00
16)		AR1242-E				4.568			4.568 E5	0.00
17)		AR1248-A				3.178			3.178 E5	0.00
18)		AR1248-B				8.599			8.599 E5	0.00
19)		AR1248-C				4.926			4.926 E5	0.00
20)		AR1248-D				6.518			6.518 E5	0.00
21)		AR1248-E				6.222			6.222 E5	0.00
22)		AR1248-F				8.371			8.371 E5	0.00
23)		AR1248-G				8.245			8.245 E5	0.00
24)		AR1254-A				6.772			6.772 E5	0.00
25)		AR1254-B				7.559			7.559 E5	0.00
26)		AR1254-C				6.290			6.290 E5	0.00
27)		AR1254-D				1.162			1.162 E6	0.00
28)		AR1254-E				8.012			8.012 E5	0.00
29)		AR1254-F				9.494			9.494 E5	0.00
30)		AR1254-G				8.434			8.434 E5	0.00
31)		AR1262-A				7.577			7.577 E5	0.00
32)		AR1262-B				1.057			1.057 E6	0.00
33)		AR1262-C				9.549			9.549 E5	0.00
34)		AR1262-D				2.030			2.030 E6	0.00
35)		AR1262-E				2.316			2.316 E6	0.00
36)		AR1268-A				2.333			2.333 E6	0.00
37)		AR1268-B				2.240			2.240 E6	0.00
38)		AR1268-C				1.911			1.911 E6	0.00
39)		AR1268-D				8.020			8.020 E5	0.00
40)		AR1268-E				5.630			5.630 E6	0.00
41)		AR1016-A	5.351	4.417	4.100	3.750	3.448	3.220	4.048 E5	19.04
42)		AR1016-B	1.042	0.841	0.776	0.722	0.671	0.628	0.780 E6	19.07
43)		AR1016-C	2.106	1.713	1.617	1.550	1.482	1.406	1.646 E6	15.15
44)		AR1016-D	8.456	6.846	6.402	6.079	5.730	5.412	6.488 E5	16.76
45)		AR1016-E	6.750	5.391	5.006	4.755	4.528	4.265	5.116 E5	17.39
46)		AR1260-A	1.249	1.032	0.979	0.939	0.925	0.857	0.997 E6	13.69
47)		AR1260-B	1.015	0.829	0.773	0.738	0.727	0.671	0.792 E6	15.26
48)		AR1260-C	1.056	0.883	0.830	0.803	0.781	0.728	0.847 E6	13.54
49)		AR1260-D	2.151	1.890	1.796	1.771	1.741	1.632	1.830 E6	9.73
50)		AR1260-E	2.318	1.946	1.824	1.776	1.723	1.644	1.872 E6	12.87
51)	S	Decachlorobiphenyl	1.513	1.406	1.353	1.216	1.275	1.346	1.351 E7	7.64

(#) = Out of Range

Initial Calibration Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G3G5271-ICC5271
Lab FileID: 3G143272.D

3PCB5271a.M Wed Nov 20 13:30:24 2024

Initial Calibration Verification

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G3G5271-ICV5271
Lab FileID: 3G143284.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\3G5271\3G143284.d\ECD1A.CH Vial: 18
Signal #2 : C:\msdchem\1\data\3G5271\3G143284.d\ECD2B.CH
Acq On : 19 Nov 2024 16:35 pm Operator: mahalial
Sample : icv5271-1000 (ar1016/1260) Inst : GC3G
Misc : op59027,g3g5271,1.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\methods\3PCB5271a.M (ChemStation Integrator)
Title :
Last Update : Wed Nov 20 07:09:04 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	8.389	8.409 E6	-0.2	105	0.00	3.28- 3.34
2		AR1221-A		----------NA----------				
3		AR1221-B		----------NA----------				
4		AR1221-C		----------NA----------				
5		AR1221-D		----------NA----------				
6		AR1221-E		----------NA----------				
7		AR1232-A		----------NA----------				
8		AR1232-B		----------NA----------				
9		AR1232-C		----------NA----------				
10		AR1232-D		----------NA----------				
11		AR1232-E		----------NA----------				
12		AR1242-A		----------NA----------				
13		AR1242-B		----------NA----------				
14		AR1242-C		----------NA----------				
15		AR1242-D		----------NA----------				
16		AR1242-E		----------NA----------				
17		AR1248-A		----------NA----------				
18		AR1248-B		----------NA----------				
19		AR1248-C		----------NA----------				
20		AR1248-D		----------NA----------				
21		AR1248-E		----------NA----------				
22		AR1248-F		----------NA----------				
23		AR1248-G		----------NA----------				
24		AR1254-A		----------NA----------				
25		AR1254-B		----------NA----------				
26		AR1254-C		----------NA----------				
27		AR1254-D		----------NA----------				
28		AR1254-E		----------NA----------				
29		AR1254-F		----------NA----------				
30		AR1254-G		----------NA----------				
31		AR1262-A		----------NA----------				
32		AR1262-B		----------NA----------				
33		AR1262-C		----------NA----------				
34		AR1262-D		----------NA----------				
35		AR1262-E		----------NA----------				
36		AR1268-A		----------NA----------				
37		AR1268-B		----------NA----------				
38		AR1268-C		----------NA----------				
39		AR1268-D		----------NA----------				
40		AR1268-E		----------NA----------				
41		AR1016-A	167.967	152.192 E3	9.4	97	0.00	3.69- 3.75

10.8.9 10

Initial Calibration Verification

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G3G5271-ICV5271
Lab FileID: 3G143284.D

42		AR1016-B	271.633	260.455	E3	4.1	103	0.00	4.13- 4.19
43		AR1016-C	557.548	543.144	E3	2.6	104	0.00	4.71- 4.77
44		AR1016-D	239.195	226.677	E3	5.2	103	0.00	4.89- 4.95
45		AR1016-E	250.030	232.270	E3	7.1	102	0.00	5.41- 5.48
46		AR1260-A	515.261	502.655	E3	2.4	103	0.00	7.46- 7.52
47		AR1260-B	324.596	253.663	E3	21.9#	83	0.00	8.01- 8.07
48		AR1260-C	371.717	309.117	E3	16.8	88	0.00	8.34- 8.41
49		AR1260-D	814.543	684.956	E3	15.9	86	0.00	8.78- 8.84
50		AR1260-E	0.906	0.720	E6	20.5#	83	0.00	9.18- 9.24
51	S	Decachlorobiphenyl	7.986	7.558	E6	5.4	100	0.00	10.72-10.79
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	24.373	24.637	E6	-1.1	106	0.00	4.10- 4.16
2		AR1221-A		----------NA----------					
3		AR1221-B		----------NA----------					
4		AR1221-C		----------NA----------					
5		AR1221-D		----------NA----------					
6		AR1221-E		----------NA----------					
7		AR1232-A		----------NA----------					
8		AR1232-B		----------NA----------					
9		AR1232-C		----------NA----------					
10		AR1232-D		----------NA----------					
11		AR1232-E		----------NA----------					
12		AR1242-A		----------NA----------					
13		AR1242-B		----------NA----------					
14		AR1242-C		----------NA----------					
15		AR1242-D		----------NA----------					
16		AR1242-E		----------NA----------					
17		AR1248-A		----------NA----------					
18		AR1248-B		----------NA----------					
19		AR1248-C		----------NA----------					
20		AR1248-D		----------NA----------					
21		AR1248-E		----------NA----------					
22		AR1248-F		----------NA----------					
23		AR1248-G		----------NA----------					
24		AR1254-A		----------NA----------					
25		AR1254-B		----------NA----------					
26		AR1254-C		----------NA----------					
27		AR1254-D		----------NA----------					
28		AR1254-E		----------NA----------					
29		AR1254-F		----------NA----------					
30		AR1254-G		----------NA----------					
31		AR1262-A		----------NA----------					
32		AR1262-B		----------NA----------					
33		AR1262-C		----------NA----------					
34		AR1262-D		----------NA----------					
35		AR1262-E		----------NA----------					
36		AR1268-A		----------NA----------					
37		AR1268-B		----------NA----------					
38		AR1268-C		----------NA----------					
39		AR1268-D		----------NA----------					
40		AR1268-E		----------NA----------					
41		AR1016-A	404.768	369.684	E3	8.7	99	0.00	4.81- 4.87
42		AR1016-B	0.780	0.744	E6	4.6	103	0.00	5.39- 5.45
43		AR1016-C	1.646	1.595	E6	3.1	103	0.00	6.06- 6.12
44		AR1016-D	648.761	619.033	E3	4.6	102	0.00	6.25- 6.31
45		AR1016-E	511.585	469.103	E3	8.3	99	0.00	6.93- 6.99
46		AR1260-A	0.997	0.914	E6	8.3	97	0.00	9.05- 9.11
47		AR1260-B	0.792	0.604	E6	23.7#	82	0.00	9.71- 9.77

Initial Calibration Verification

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G3G5271-ICV5271
Lab FileID: 3G143284.D

48		AR1260-C	0.847	0.694	E6	18.1	86	0.00	10.15-10.21
49		AR1260-D	1.830	1.498	E6	18.1	85	0.00	10.49-10.55
50		AR1260-E	1.872	1.465	E6	21.7#	83	0.00	11.04-11.10
51	S	Decachlorobiphenyl	13.515	13.731	E6	-1.6	113	0.00	12.74-12.80

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3G143272.d 3PCB5271a.M Wed Nov 20 13:23:32 2024

Initial Calibration Verification

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G3G5271-ICV5271
Lab FileID: 3G143285.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\3G5271\3G143285.d\ECD1A.CH Vial: 19
Signal #2 : C:\msdchem\1\data\3G5271\3G143285.d\ECD2B.CH
Acq On : 19 Nov 2024 16:51 pm Operator: mahalial
Sample : icv5271-1000 (ar1221) Inst : GC3G
Misc : op59027,g3g5271,1.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\methods\3PCB5271a.M (ChemStation Integrator)
Title :
Last Update : Wed Nov 20 07:09:04 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 S	Tetrachloro-m-xylene	8.389	8.863 E6	-5.7	111	0.00	3.28- 3.34
2	AR1221-A	58.257	57.577 E3	1.2	99	0.00	2.64- 2.84
3	AR1221-B	86.058	85.235 E3	1.0	99	0.00	3.40- 3.60
4	AR1221-C	241.884	236.978 E3	2.0	98	0.00	3.62- 3.82
5	AR1221-D	92.711	92.245 E3	0.5	99	0.00	4.21- 4.41
6	AR1221-E	46.796	46.833 E3	-0.1	100	0.00	4.64- 4.84
7	AR1232-A		----------NA----------				
8	AR1232-B		----------NA----------				
9	AR1232-C		----------NA----------				
10	AR1232-D		----------NA----------				
11	AR1232-E		----------NA----------				
12	AR1242-A		----------NA----------				
13	AR1242-B		----------NA----------				
14	AR1242-C		----------NA----------				
15	AR1242-D		----------NA----------				
16	AR1242-E		----------NA----------				
17	AR1248-A		----------NA----------				
18	AR1248-B		----------NA----------				
19	AR1248-C		----------NA----------				
20	AR1248-D		----------NA----------				
21	AR1248-E		----------NA----------				
22	AR1248-F		----------NA----------				
23	AR1248-G		----------NA----------				
24	AR1254-A		----------NA----------				
25	AR1254-B		----------NA----------				
26	AR1254-C		----------NA----------				
27	AR1254-D		----------NA----------				
28	AR1254-E		----------NA----------				
29	AR1254-F		----------NA----------				
30	AR1254-G		----------NA----------				
31	AR1262-A		----------NA----------				
32	AR1262-B		----------NA----------				
33	AR1262-C		----------NA----------				
34	AR1262-D		----------NA----------				
35	AR1262-E		----------NA----------				
36	AR1268-A		----------NA----------				
37	AR1268-B		----------NA----------				
38	AR1268-C		----------NA----------				
39	AR1268-D		----------NA----------				
40	AR1268-E		----------NA----------				
41	AR1016-A		----------NA----------				

Initial Calibration Verification

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G3G5271-ICV5271
Lab FileID: 3G143285.D

42		AR1016-B		----------NA----------				
43		AR1016-C		----------NA----------				
44		AR1016-D		----------NA----------				
45		AR1016-E		----------NA----------				
46		AR1260-A		----------NA----------				
47		AR1260-B		----------NA----------				
48		AR1260-C		----------NA----------				
49		AR1260-D		----------NA----------				
50		AR1260-E		----------NA----------				
51	S	Decachlorobiphenyl	7.986	8.039 E6	-0.7	106	0.00	10.72-10.79
*****		Signal #2 *****						
1	S	Tetrachloro-m-xylene	24.373	24.999 E6	-2.6	107	0.00	4.10- 4.16
2		AR1221-A	153.596	154.329 E3	-0.5	100	0.00	3.47- 3.53
3		AR1221-B	255.372	257.230 E3	-0.7	101	0.00	4.44- 4.64
4		AR1221-C	564.104	562.295 E3	0.3	100	0.00	4.73- 4.93
5		AR1221-D	198.381	201.119 E3	-1.4	101	0.00	5.40- 5.60
6		AR1221-E	138.616	139.019 E3	-0.3	100	0.00	5.99- 6.19
7		AR1232-A		----------NA----------				
8		AR1232-B		----------NA----------				
9		AR1232-C		----------NA----------				
10		AR1232-D		----------NA----------				
11		AR1232-E		----------NA----------				
12		AR1242-A		----------NA----------				
13		AR1242-B		----------NA----------				
14		AR1242-C		----------NA----------				
15		AR1242-D		----------NA----------				
16		AR1242-E		----------NA----------				
17		AR1248-A		----------NA----------				
18		AR1248-B		----------NA----------				
19		AR1248-C		----------NA----------				
20		AR1248-D		----------NA----------				
21		AR1248-E		----------NA----------				
22		AR1248-F		----------NA----------				
23		AR1248-G		----------NA----------				
24		AR1254-A		----------NA----------				
25		AR1254-B		----------NA----------				
26		AR1254-C		----------NA----------				
27		AR1254-D		----------NA----------				
28		AR1254-E		----------NA----------				
29		AR1254-F		----------NA----------				
30		AR1254-G		----------NA----------				
31		AR1262-A		----------NA----------				
32		AR1262-B		----------NA----------				
33		AR1262-C		----------NA----------				
34		AR1262-D		----------NA----------				
35		AR1262-E		----------NA----------				
36		AR1268-A		----------NA----------				
37		AR1268-B		----------NA----------				
38		AR1268-C		----------NA----------				
39		AR1268-D		----------NA----------				
40		AR1268-E		----------NA----------				
41		AR1016-A		----------NA----------				
42		AR1016-B		----------NA----------				
43		AR1016-C		----------NA----------				
44		AR1016-D		----------NA----------				
45		AR1016-E		----------NA----------				
46		AR1260-A		----------NA----------				
47		AR1260-B		----------NA----------				

Initial Calibration Verification

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G3G5271-ICV5271
Lab FileID: 3G143285.D

48		AR1260-C				----------NA----------			
49		AR1260-D				----------NA----------			
50		AR1260-E				----------NA----------			
51	S	Decachlorobiphenyl	13.515	14.446	E6	-6.9	119	0.00	12.74-12.80

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3G143272.d 3PCB5271a.M Wed Nov 20 13:23:45 2024

Initial Calibration Verification

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G3G5271-ICV5271
Lab FileID: 3G143286.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\3G5271\3G143286.d\ECD1A.CH Vial: 20
Signal #2 : C:\msdchem\1\data\3G5271\3G143286.d\ECD2B.CH
Acq On : 19 Nov 2024 17:08 pm Operator: mahalial
Sample : icv5271-1000 (ar1254) Inst : GC3G
Misc : op59027,g3g5271,1.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\methods\3PCB5271a.M (ChemStation Integrator)
Title :
Last Update : Wed Nov 20 07:09:04 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 S	Tetrachloro-m-xylene	8.389	8.704 E6	-3.8	109	0.00	3.29- 3.35
2	AR1221-A		----------NA----------				
3	AR1221-B		----------NA----------				
4	AR1221-C		----------NA----------				
5	AR1221-D		----------NA----------				
6	AR1221-E		----------NA----------				
7	AR1232-A		----------NA----------				
8	AR1232-B		----------NA----------				
9	AR1232-C		----------NA----------				
10	AR1232-D		----------NA----------				
11	AR1232-E		----------NA----------				
12	AR1242-A		----------NA----------				
13	AR1242-B		----------NA----------				
14	AR1242-C		----------NA----------				
15	AR1242-D		----------NA----------				
16	AR1242-E		----------NA----------				
17	AR1248-A		----------NA----------				
18	AR1248-B		----------NA----------				
19	AR1248-C		----------NA----------				
20	AR1248-D		----------NA----------				
21	AR1248-E		----------NA----------				
22	AR1248-F		----------NA----------				
23	AR1248-G		----------NA----------				
24	AR1254-A	223.369	224.690 E3	-0.6	101	0.00	5.86- 6.06
25	AR1254-B	315.145	319.184 E3	-1.3	101	0.00	6.21- 6.41
26	AR1254-C	260.031	260.143 E3	-0.0	100	0.00	6.59- 6.79
27	AR1254-D	457.665	458.806 E3	-0.2	100	0.00	6.75- 6.95
28	AR1254-E	342.952	341.793 E3	0.3	100	0.00	7.14- 7.34
29	AR1254-F	312.550	318.441 E3	-1.9	102	0.00	7.39- 7.59
30	AR1254-G	493.921	503.172 E3	-1.9	102	0.00	7.78- 7.98
31	AR1262-A		----------NA----------				
32	AR1262-B		----------NA----------				
33	AR1262-C		----------NA----------				
34	AR1262-D		----------NA----------				
35	AR1262-E		----------NA----------				
36	AR1268-A		----------NA----------				
37	AR1268-B		----------NA----------				
38	AR1268-C		----------NA----------				
39	AR1268-D		----------NA----------				
40	AR1268-E		----------NA----------				
41	AR1016-A		----------NA----------				

Initial Calibration Verification

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G3G5271-ICV5271
Lab FileID: 3G143286.D

42		AR1016-B		----------NA----------				
43		AR1016-C		----------NA----------				
44		AR1016-D		----------NA----------				
45		AR1016-E		----------NA----------				
46		AR1260-A		----------NA----------				
47		AR1260-B		----------NA----------				
48		AR1260-C		----------NA----------				
49		AR1260-D		----------NA----------				
50		AR1260-E		----------NA----------				
51	S	Decachlorobiphenyl	7.986	8.515 E6	-6.6	112	0.00	10.72-10.79
*****		Signal #2 *****						
1	S	Tetrachloro-m-xylene	24.373	26.446 E6	-8.5	114	0.00	4.10- 4.16
2		AR1221-A		----------NA----------				
3		AR1221-B		----------NA----------				
4		AR1221-C		----------NA----------				
5		AR1221-D		----------NA----------				
6		AR1221-E		----------NA----------				
7		AR1232-A		----------NA----------				
8		AR1232-B		----------NA----------				
9		AR1232-C		----------NA----------				
10		AR1232-D		----------NA----------				
11		AR1232-E		----------NA----------				
12		AR1242-A		----------NA----------				
13		AR1242-B		----------NA----------				
14		AR1242-C		----------NA----------				
15		AR1242-D		----------NA----------				
16		AR1242-E		----------NA----------				
17		AR1248-A		----------NA----------				
18		AR1248-B		----------NA----------				
19		AR1248-C		----------NA----------				
20		AR1248-D		----------NA----------				
21		AR1248-E		----------NA----------				
22		AR1248-F		----------NA----------				
23		AR1248-G		----------NA----------				
24		AR1254-A	677.235	694.703 E3	-2.6	103	0.00	7.47- 7.67
25		AR1254-B	755.935	762.663 E3	-0.9	101	0.00	7.73- 7.93
26		AR1254-C	629.001	631.739 E3	-0.4	100	0.00	8.25- 8.45
27		AR1254-D	1.162	1.174 E6	-1.0	101	0.00	8.42- 8.62
28		AR1254-E	801.220	803.747 E3	-0.3	100	0.00	8.73- 8.93
29		AR1254-F	949.364	961.827 E3	-1.3	101	0.03	9.25- 9.45
30		AR1254-G	843.418	861.909 E3	-2.2	102	0.00	9.51- 9.71
31		AR1262-A		----------NA----------				
32		AR1262-B		----------NA----------				
33		AR1262-C		----------NA----------				
34		AR1262-D		----------NA----------				
35		AR1262-E		----------NA----------				
36		AR1268-A		----------NA----------				
37		AR1268-B		----------NA----------				
38		AR1268-C		----------NA----------				
39		AR1268-D		----------NA----------				
40		AR1268-E		----------NA----------				
41		AR1016-A		----------NA----------				
42		AR1016-B		----------NA----------				
43		AR1016-C		----------NA----------				
44		AR1016-D		----------NA----------				
45		AR1016-E		----------NA----------				
46		AR1260-A		----------NA----------				
47		AR1260-B		----------NA----------				

Initial Calibration Verification

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G3G5271-ICV5271
Lab FileID: 3G143286.D

48		AR1260-C				----------NA----------			
49		AR1260-D				----------NA----------			
50		AR1260-E				----------NA----------			
51	S	Decachlorobiphenyl	13.515	15.358	E6	-13.6	126	0.00	12.74-12.80

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3G143272.d 3PCB5271a.M Wed Nov 20 13:23:58 2024

10.8.11 10

Initial Calibration Verification

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G3G5271-ICV5271
Lab FileID: 3G143287.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\3G5271\3G143287.d\ECD1A.CH Vial: 21
Signal #2 : C:\msdchem\1\data\3G5271\3G143287.d\ECD2B.CH
Acq On : 19 Nov 2024 17:24 pm Operator: mahalial
Sample : icv5271-1000 (ar1232) Inst : GC3G
Misc : op59027,g3g5271,1.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\methods\3PCB5271a.M (ChemStation Integrator)
Title :
Last Update : Wed Nov 20 07:09:04 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	8.389	8.704 E6	-3.8	109	0.00	3.28- 3.34
2		AR1221-A		----------NA----------				
3		AR1221-B		----------NA----------				
4		AR1221-C		----------NA----------				
5		AR1221-D		----------NA----------				
6		AR1221-E		----------NA----------				
7		AR1232-A	197.500	197.723 E3	-0.1	100	0.00	3.62- 3.82
8		AR1232-B	116.236	120.832 E3	-4.0	104	0.00	4.05- 4.25
9		AR1232-C	243.817	251.886 E3	-3.3	103	0.00	4.64- 4.84
10		AR1232-D	104.690	111.311 E3	-6.3	106	0.00	4.82- 5.02
11		AR1232-E	100.661	102.822 E3	-2.1	102	0.00	5.35- 5.55
12		AR1242-A		----------NA----------				
13		AR1242-B		----------NA----------				
14		AR1242-C		----------NA----------				
15		AR1242-D		----------NA----------				
16		AR1242-E		----------NA----------				
17		AR1248-A		----------NA----------				
18		AR1248-B		----------NA----------				
19		AR1248-C		----------NA----------				
20		AR1248-D		----------NA----------				
21		AR1248-E		----------NA----------				
22		AR1248-F		----------NA----------				
23		AR1248-G		----------NA----------				
24		AR1254-A		----------NA----------				
25		AR1254-B		----------NA----------				
26		AR1254-C		----------NA----------				
27		AR1254-D		----------NA----------				
28		AR1254-E		----------NA----------				
29		AR1254-F		----------NA----------				
30		AR1254-G		----------NA----------				
31		AR1262-A		----------NA----------				
32		AR1262-B		----------NA----------				
33		AR1262-C		----------NA----------				
34		AR1262-D		----------NA----------				
35		AR1262-E		----------NA----------				
36		AR1268-A		----------NA----------				
37		AR1268-B		----------NA----------				
38		AR1268-C		----------NA----------				
39		AR1268-D		----------NA----------				
40		AR1268-E		----------NA----------				
41		AR1016-A		----------NA----------				

Initial Calibration Verification

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G3G5271-ICV5271
Lab FileID: 3G143287.D

42		AR1016-B			----------NA----------				
43		AR1016-C			----------NA----------				
44		AR1016-D			----------NA----------				
45		AR1016-E			----------NA----------				
46		AR1260-A			----------NA----------				
47		AR1260-B			----------NA----------				
48		AR1260-C			----------NA----------				
49		AR1260-D			----------NA----------				
50		AR1260-E			----------NA----------				
51	S	Decachlorobiphenyl	7.986	8.038 E6	-0.7	106	0.00	10.72-10.79	
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	24.373	24.865 E6	-2.0	107	0.00	4.10- 4.16	
2		AR1221-A			----------NA----------				
3		AR1221-B			----------NA----------				
4		AR1221-C			----------NA----------				
5		AR1221-D			----------NA----------				
6		AR1221-E			----------NA----------				
7		AR1232-A	456.632	468.872 E3	-2.7	103	0.00	4.74- 4.94	
8		AR1232-B	368.824	382.361 E3	-3.7	104	0.00	5.32- 5.52	
9		AR1232-C	720.130	744.729 E3	-3.4	103	0.00	5.99- 6.19	
10		AR1232-D	287.895	298.375 E3	-3.6	104	0.00	6.18- 6.38	
11		AR1232-E	197.794	206.416 E3	-4.4	104	0.00	6.86- 7.06	
12		AR1242-A			----------NA----------				
13		AR1242-B			----------NA----------				
14		AR1242-C			----------NA----------				
15		AR1242-D			----------NA----------				
16		AR1242-E			----------NA----------				
17		AR1248-A			----------NA----------				
18		AR1248-B			----------NA----------				
19		AR1248-C			----------NA----------				
20		AR1248-D			----------NA----------				
21		AR1248-E			----------NA----------				
22		AR1248-F			----------NA----------				
23		AR1248-G			----------NA----------				
24		AR1254-A			----------NA----------				
25		AR1254-B			----------NA----------				
26		AR1254-C			----------NA----------				
27		AR1254-D			----------NA----------				
28		AR1254-E			----------NA----------				
29		AR1254-F			----------NA----------				
30		AR1254-G			----------NA----------				
31		AR1262-A			----------NA----------				
32		AR1262-B			----------NA----------				
33		AR1262-C			----------NA----------				
34		AR1262-D			----------NA----------				
35		AR1262-E			----------NA----------				
36		AR1268-A			----------NA----------				
37		AR1268-B			----------NA----------				
38		AR1268-C			----------NA----------				
39		AR1268-D			----------NA----------				
40		AR1268-E			----------NA----------				
41		AR1016-A			----------NA----------				
42		AR1016-B			----------NA----------				
43		AR1016-C			----------NA----------				
44		AR1016-D			----------NA----------				
45		AR1016-E			----------NA----------				
46		AR1260-A			----------NA----------				
47		AR1260-B			----------NA----------				

Initial Calibration Verification

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G3G5271-ICV5271
Lab FileID: 3G143287.D

48		AR1260-C				----------NA----------			
49		AR1260-D				----------NA----------			
50		AR1260-E				----------NA----------			
51	S	Decachlorobiphenyl	13.515	14.331	E6	-6.0	118	0.00	12.74-12.80

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3G143272.d 3PCB5271a.M Wed Nov 20 13:24:01 2024

10.8.12 10

Initial Calibration Verification

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G3G5271-ICV5271
Lab FileID: 3G143288.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\3G5271\3G143288.d\ECD1A.CH Vial: 22
Signal #2 : C:\msdchem\1\data\3G5271\3G143288.d\ECD2B.CH
Acq On : 19 Nov 2024 17:41 pm Operator: mahalial
Sample : icv5271-1000 (ar1262) Inst : GC3G
Misc : op59027,g3g5271,1.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\methods\3PCB5271a.M (ChemStation Integrator)
Title :
Last Update : Wed Nov 20 07:09:04 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	8.389	8.626 E6	-2.8	108	0.00	3.28- 3.34
2		AR1221-A		----------NA----------				
3		AR1221-B		----------NA----------				
4		AR1221-C		----------NA----------				
5		AR1221-D		----------NA----------				
6		AR1221-E		----------NA----------				
7		AR1232-A		----------NA----------				
8		AR1232-B		----------NA----------				
9		AR1232-C		----------NA----------				
10		AR1232-D		----------NA----------				
11		AR1232-E		----------NA----------				
12		AR1242-A		----------NA----------				
13		AR1242-B		----------NA----------				
14		AR1242-C		----------NA----------				
15		AR1242-D		----------NA----------				
16		AR1242-E		----------NA----------				
17		AR1248-A		----------NA----------				
18		AR1248-B		----------NA----------				
19		AR1248-C		----------NA----------				
20		AR1248-D		----------NA----------				
21		AR1248-E		----------NA----------				
22		AR1248-F		----------NA----------				
23		AR1248-G		----------NA----------				
24		AR1254-A		----------NA----------				
25		AR1254-B		----------NA----------				
26		AR1254-C		----------NA----------				
27		AR1254-D		----------NA----------				
28		AR1254-E		----------NA----------				
29		AR1254-F		----------NA----------				
30		AR1254-G		----------NA----------				
31		AR1262-A	370.403	376.809 E3	-1.7	102	0.00	7.39- 7.59
32		AR1262-B	472.104	478.451 E3	-1.3	101	0.00	7.94- 8.14
33		AR1262-C	460.901	467.833 E3	-1.5	102	0.00	8.28- 8.48
34		AR1262-D	971.794	987.028 E3	-1.6	102	0.00	8.71- 8.91
35		AR1262-E	1.140	1.165 E6	-2.2	102	0.00	9.16- 9.36
36		AR1268-A		----------NA----------				
37		AR1268-B		----------NA----------				
38		AR1268-C		----------NA----------				
39		AR1268-D		----------NA----------				
40		AR1268-E		----------NA----------				
41		AR1016-A		----------NA----------				

Initial Calibration Verification

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G3G5271-ICV5271
Lab FileID: 3G143288.D

42		AR1016-B			----------NA----------				
43		AR1016-C			----------NA----------				
44		AR1016-D			----------NA----------				
45		AR1016-E			----------NA----------				
46		AR1260-A			----------NA----------				
47		AR1260-B			----------NA----------				
48		AR1260-C			----------NA----------				
49		AR1260-D			----------NA----------				
50		AR1260-E			----------NA----------				
51	S	Decachlorobiphenyl	7.986	8.492 E6	-6.3	112	0.00	10.72-10.79	
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	24.373	26.111 E6	-7.1	112	0.00	4.10- 4.16	
2		AR1221-A			----------NA----------				
3		AR1221-B			----------NA----------				
4		AR1221-C			----------NA----------				
5		AR1221-D			----------NA----------				
6		AR1221-E			----------NA----------				
7		AR1232-A			----------NA----------				
8		AR1232-B			----------NA----------				
9		AR1232-C			----------NA----------				
10		AR1232-D			----------NA----------				
11		AR1232-E			----------NA----------				
12		AR1242-A			----------NA----------				
13		AR1242-B			----------NA----------				
14		AR1242-C			----------NA----------				
15		AR1242-D			----------NA----------				
16		AR1242-E			----------NA----------				
17		AR1248-A			----------NA----------				
18		AR1248-B			----------NA----------				
19		AR1248-C			----------NA----------				
20		AR1248-D			----------NA----------				
21		AR1248-E			----------NA----------				
22		AR1248-F			----------NA----------				
23		AR1248-G			----------NA----------				
24		AR1254-A			----------NA----------				
25		AR1254-B			----------NA----------				
26		AR1254-C			----------NA----------				
27		AR1254-D			----------NA----------				
28		AR1254-E			----------NA----------				
29		AR1254-F			----------NA----------				
30		AR1254-G			----------NA----------				
31		AR1262-A	757.659	771.438 E3	-1.8	102	0.00	8.98- 9.18	
32		AR1262-B	1.057	1.077 E6	-1.9	102	0.00	9.64- 9.84	
33		AR1262-C	954.870	967.773 E3	-1.4	101	0.00	10.08-10.28	
34		AR1262-D	2.030	2.060 E6	-1.5	101	0.00	10.42-10.62	
35		AR1262-E	2.316	2.396 E6	-3.5	103	0.00	10.95-11.15	
36		AR1268-A			----------NA----------				
37		AR1268-B			----------NA----------				
38		AR1268-C			----------NA----------				
39		AR1268-D			----------NA----------				
40		AR1268-E			----------NA----------				
41		AR1016-A			----------NA----------				
42		AR1016-B			----------NA----------				
43		AR1016-C			----------NA----------				
44		AR1016-D			----------NA----------				
45		AR1016-E			----------NA----------				
46		AR1260-A			----------NA----------				
47		AR1260-B			----------NA----------				

Initial Calibration Verification

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G3G5271-ICV5271
Lab FileID: 3G143288.D

48		AR1260-C				----------NA----------			
49		AR1260-D				----------NA----------			
50		AR1260-E				----------NA----------			
51	S	Decachlorobiphenyl	13.515	15.243	E6	-12.8	125	0.00	12.74-12.80

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3G143272.d 3PCB5271a.M Wed Nov 20 13:24:14 2024

Initial Calibration Verification

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G3G5271-ICV5271
Lab FileID: 3G143289.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\3G5271\3G143289.d\ECD1A.CH Vial: 23
Signal #2 : C:\msdchem\1\data\3G5271\3G143289.d\ECD2B.CH
Acq On : 19 Nov 2024 17:58 pm Operator: mahalial
Sample : icv5271-1000 (ar1242 Inst : GC3G
Misc : op59027,g3g5271,1.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\methods\3PCB5271a.M (ChemStation Integrator)
Title :
Last Update : Wed Nov 20 07:09:04 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	8.389	8.752 E6	-4.3	109	0.00	3.29- 3.35
2		AR1221-A		----------NA----------				
3		AR1221-B		----------NA----------				
4		AR1221-C		----------NA----------				
5		AR1221-D		----------NA----------				
6		AR1221-E		----------NA----------				
7		AR1232-A		----------NA----------				
8		AR1232-B		----------NA----------				
9		AR1232-C		----------NA----------				
10		AR1232-D		----------NA----------				
11		AR1232-E		----------NA----------				
12		AR1242-A	215.634	246.453 E3	-14.3	114	0.00	4.05- 4.25
13		AR1242-B	440.967	504.342 E3	-14.4	114	0.00	4.64- 4.84
14		AR1242-C	186.184	210.804 E3	-13.2	113	0.00	4.82- 5.02
15		AR1242-D	194.118	216.506 E3	-11.5	112	0.00	5.35- 5.55
16		AR1242-E	148.265	162.033 E3	-9.3	109	0.00	5.95- 6.15
17		AR1248-A		----------NA----------				
18		AR1248-B		----------NA----------				
19		AR1248-C		----------NA----------				
20		AR1248-D		----------NA----------				
21		AR1248-E		----------NA----------				
22		AR1248-F		----------NA----------				
23		AR1248-G		----------NA----------				
24		AR1254-A		----------NA----------				
25		AR1254-B		----------NA----------				
26		AR1254-C		----------NA----------				
27		AR1254-D		----------NA----------				
28		AR1254-E		----------NA----------				
29		AR1254-F		----------NA----------				
30		AR1254-G		----------NA----------				
31		AR1262-A		----------NA----------				
32		AR1262-B		----------NA----------				
33		AR1262-C		----------NA----------				
34		AR1262-D		----------NA----------				
35		AR1262-E		----------NA----------				
36		AR1268-A		----------NA----------				
37		AR1268-B		----------NA----------				
38		AR1268-C		----------NA----------				
39		AR1268-D		----------NA----------				
40		AR1268-E		----------NA----------				
41		AR1016-A		----------NA----------				

Initial Calibration Verification

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G3G5271-ICV5271
Lab FileID: 3G143289.D

42		AR1016-B				----------NA----------			
43		AR1016-C				----------NA----------			
44		AR1016-D				----------NA----------			
45		AR1016-E				----------NA----------			
46		AR1260-A				----------NA----------			
47		AR1260-B				----------NA----------			
48		AR1260-C				----------NA----------			
49		AR1260-D				----------NA----------			
50		AR1260-E				----------NA----------			
51	S	Decachlorobiphenyl	7.986	8.280	E6	-3.7	109	0.00	10.72-10.79
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	24.373	25.673	E6	-5.3	110	0.00	4.10- 4.16
2		AR1221-A				----------NA----------			
3		AR1221-B				----------NA----------			
4		AR1221-C				----------NA----------			
5		AR1221-D				----------NA----------			
6		AR1221-E				----------NA----------			
7		AR1232-A				----------NA----------			
8		AR1232-B				----------NA----------			
9		AR1232-C				----------NA----------			
10		AR1232-D				----------NA----------			
11		AR1232-E				----------NA----------			
12		AR1242-A	615.614	706.560	E3	-14.8	115	0.00	5.32- 5.52
13		AR1242-B	1.296	1.485	E6	-14.6	115	0.00	5.99- 6.19
14		AR1242-C	511.612	580.215	E3	-13.4	113	0.00	6.18- 6.38
15		AR1242-D	393.904	440.783	E3	-11.9	112	0.00	6.86- 7.06
16		AR1242-E	456.761	496.258	E3	-8.6	109	0.00	7.47- 7.67
17		AR1248-A				----------NA----------			
18		AR1248-B				----------NA----------			
19		AR1248-C				----------NA----------			
20		AR1248-D				----------NA----------			
21		AR1248-E				----------NA----------			
22		AR1248-F				----------NA----------			
23		AR1248-G				----------NA----------			
24		AR1254-A				----------NA----------			
25		AR1254-B				----------NA----------			
26		AR1254-C				----------NA----------			
27		AR1254-D				----------NA----------			
28		AR1254-E				----------NA----------			
29		AR1254-F				----------NA----------			
30		AR1254-G				----------NA----------			
31		AR1262-A				----------NA----------			
32		AR1262-B				----------NA----------			
33		AR1262-C				----------NA----------			
34		AR1262-D				----------NA----------			
35		AR1262-E				----------NA----------			
36		AR1268-A				----------NA----------			
37		AR1268-B				----------NA----------			
38		AR1268-C				----------NA----------			
39		AR1268-D				----------NA----------			
40		AR1268-E				----------NA----------			
41		AR1016-A				----------NA----------			
42		AR1016-B				----------NA----------			
43		AR1016-C				----------NA----------			
44		AR1016-D				----------NA----------			
45		AR1016-E				----------NA----------			
46		AR1260-A				----------NA----------			
47		AR1260-B				----------NA----------			

Initial Calibration Verification

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G3G5271-ICV5271
Lab FileID: 3G143289.D

48		AR1260-C				----------NA----------			
49		AR1260-D				----------NA----------			
50		AR1260-E				----------NA----------			
51	S	Decachlorobiphenyl	13.515	14.912	E6	-10.3	123	0.00	12.74-12.80

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3G143272.d 3PCB5271a.M Wed Nov 20 13:24:27 2024

10.8.14 10

Initial Calibration Verification

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G3G5271-ICV5271
Lab FileID: 3G143290.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\3G5271\3G143290.d\ECD1A.CH Vial: 24
Signal #2 : C:\msdchem\1\data\3G5271\3G143290.d\ECD2B.CH
Acq On : 19 Nov 2024 18:14 pm Operator: mahalial
Sample : icv5271-1000 (ar1268) Inst : GC3G
Misc : op59027,g3g5271,1.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\methods\3PCB5271a.M (ChemStation Integrator)
Title :
Last Update : Wed Nov 20 07:09:04 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	8.389	8.562 E6	-2.1	107	0.00	3.28- 3.34
2		AR1221-A		----------NA----------				
3		AR1221-B		----------NA----------				
4		AR1221-C		----------NA----------				
5		AR1221-D		----------NA----------				
6		AR1221-E		----------NA----------				
7		AR1232-A		----------NA----------				
8		AR1232-B		----------NA----------				
9		AR1232-C		----------NA----------				
10		AR1232-D		----------NA----------				
11		AR1232-E		----------NA----------				
12		AR1242-A		----------NA----------				
13		AR1242-B		----------NA----------				
14		AR1242-C		----------NA----------				
15		AR1242-D		----------NA----------				
16		AR1242-E		----------NA----------				
17		AR1248-A		----------NA----------				
18		AR1248-B		----------NA----------				
19		AR1248-C		----------NA----------				
20		AR1248-D		----------NA----------				
21		AR1248-E		----------NA----------				
22		AR1248-F		----------NA----------				
23		AR1248-G		----------NA----------				
24		AR1254-A		----------NA----------				
25		AR1254-B		----------NA----------				
26		AR1254-C		----------NA----------				
27		AR1254-D		----------NA----------				
28		AR1254-E		----------NA----------				
29		AR1254-F		----------NA----------				
30		AR1254-G		----------NA----------				
31		AR1262-A		----------NA----------				
32		AR1262-B		----------NA----------				
33		AR1262-C		----------NA----------				
34		AR1262-D		----------NA----------				
35		AR1262-E		----------NA----------				
36		AR1268-A	1.064	1.099 E6	-3.3	103	0.00	9.16- 9.36
37		AR1268-B	1.057	1.090 E6	-3.1	103	0.00	9.21- 9.41
38		AR1268-C	912.620	911.830 E3	0.1	100	0.00	9.49- 9.69
39		AR1268-D	380.822	391.217 E3	-2.7	103	0.00	9.99-10.19
40		AR1268-E	2.928	2.993 E6	-2.2	102	0.00	10.39-10.59
41		AR1016-A		----------NA----------				

Initial Calibration Verification

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G3G5271-ICV5271
Lab FileID: 3G143290.D

42		AR1016-B			----------NA----------				
43		AR1016-C			----------NA----------				
44		AR1016-D			----------NA----------				
45		AR1016-E			----------NA----------				
46		AR1260-A			----------NA----------				
47		AR1260-B			----------NA----------				
48		AR1260-C			----------NA----------				
49		AR1260-D			----------NA----------				
50		AR1260-E			----------NA----------				
51	S	Decachlorobiphenyl	7.986	23.204	E6	-190.6#	306#	0.00	10.72-10.79
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	24.373	25.969	E6	-6.5	112	0.00	4.10- 4.16
2		AR1221-A			----------NA----------				
3		AR1221-B			----------NA----------				
4		AR1221-C			----------NA----------				
5		AR1221-D			----------NA----------				
6		AR1221-E			----------NA----------				
7		AR1232-A			----------NA----------				
8		AR1232-B			----------NA----------				
9		AR1232-C			----------NA----------				
10		AR1232-D			----------NA----------				
11		AR1232-E			----------NA----------				
12		AR1242-A			----------NA----------				
13		AR1242-B			----------NA----------				
14		AR1242-C			----------NA----------				
15		AR1242-D			----------NA----------				
16		AR1242-E			----------NA----------				
17		AR1248-A			----------NA----------				
18		AR1248-B			----------NA----------				
19		AR1248-C			----------NA----------				
20		AR1248-D			----------NA----------				
21		AR1248-E			----------NA----------				
22		AR1248-F			----------NA----------				
23		AR1248-G			----------NA----------				
24		AR1254-A			----------NA----------				
25		AR1254-B			----------NA----------				
26		AR1254-C			----------NA----------				
27		AR1254-D			----------NA----------				
28		AR1254-E			----------NA----------				
29		AR1254-F			----------NA----------				
30		AR1254-G			----------NA----------				
31		AR1262-A			----------NA----------				
32		AR1262-B			----------NA----------				
33		AR1262-C			----------NA----------				
34		AR1262-D			----------NA----------				
35		AR1262-E			----------NA----------				
36		AR1268-A	2.333	2.372	E6	-1.7	102	0.00	10.95-11.15
37		AR1268-B	2.240	2.277	E6	-1.7	102	0.00	11.02-11.22
38		AR1268-C	1.911	1.932	E6	-1.1	101	0.00	11.40-11.60
39		AR1268-D	802.013	822.052	E3	-2.5	102	0.00	11.79-11.99
40		AR1268-E	5.630	5.695	E6	-1.2	101	0.00	12.27-12.47
41		AR1016-A			----------NA----------				
42		AR1016-B			----------NA----------				
43		AR1016-C			----------NA----------				
44		AR1016-D			----------NA----------				
45		AR1016-E			----------NA----------				
46		AR1260-A			----------NA----------				
47		AR1260-B			----------NA----------				

Initial Calibration Verification

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G3G5271-ICV5271
Lab FileID: 3G143290.D

48		AR1260-C			----------NA----------			
49		AR1260-D			----------NA----------			
50		AR1260-E			----------NA----------			
51	S	Decachlorobiphenyl	13.515	41.572 E6	-207.6#	342#	0.00	12.74-12.80

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3G143272.d 3PCB5271a.M Wed Nov 20 13:24:40 2024

Initial Calibration Verification

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G3G5271-ICV5271
Lab FileID: 3G143291.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\3G5271\3G143291.d\ECD1A.CH Vial: 25
Signal #2 : C:\msdchem\1\data\3G5271\3G143291.d\ECD2B.CH
Acq On : 19 Nov 2024 18:31 pm Operator: mahalial
Sample : icv5271-1000 (ar1248) Inst : GC3G
Misc : op59027,g3g5271,1.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\methods\3PCB5271a.M (ChemStation Integrator)
Title :
Last Update : Wed Nov 20 07:09:04 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 S	Tetrachloro-m-xylene	8.389	8.437 E6	-0.6	105	0.00	3.28- 3.34
2	AR1221-A		----------NA----------				
3	AR1221-B		----------NA----------				
4	AR1221-C		----------NA----------				
5	AR1221-D		----------NA----------				
6	AR1221-E		----------NA----------				
7	AR1232-A		----------NA----------				
8	AR1232-B		----------NA----------				
9	AR1232-C		----------NA----------				
10	AR1232-D		----------NA----------				
11	AR1232-E		----------NA----------				
12	AR1242-A		----------NA----------				
13	AR1242-B		----------NA----------				
14	AR1242-C		----------NA----------				
15	AR1242-D		----------NA----------				
16	AR1242-E		----------NA----------				
17	AR1248-A	107.839	106.685 E3	1.1	99	0.00	4.05- 4.25
18	AR1248-B	289.126	286.979 E3	0.7	99	0.00	4.64- 4.84
19	AR1248-C	165.718	165.315 E3	0.2	100	0.00	5.06- 5.26
20	AR1248-D	238.384	235.158 E3	1.4	99	0.00	5.35- 5.55
21	AR1248-E	166.532	164.961 E3	0.9	99	0.00	5.46- 5.66
22	AR1248-F	252.150	249.482 E3	1.1	99	0.00	5.95- 6.15
23	AR1248-G	229.301	227.317 E3	0.9	99	0.00	6.22- 6.42
24	AR1254-A		----------NA----------				
25	AR1254-B		----------NA----------				
26	AR1254-C		----------NA----------				
27	AR1254-D		----------NA----------				
28	AR1254-E		----------NA----------				
29	AR1254-F		----------NA----------				
30	AR1254-G		----------NA----------				
31	AR1262-A		----------NA----------				
32	AR1262-B		----------NA----------				
33	AR1262-C		----------NA----------				
34	AR1262-D		----------NA----------				
35	AR1262-E		----------NA----------				
36	AR1268-A		----------NA----------				
37	AR1268-B		----------NA----------				
38	AR1268-C		----------NA----------				
39	AR1268-D		----------NA----------				
40	AR1268-E		----------NA----------				
41	AR1016-A		----------NA----------				

10.8.16 10

Initial Calibration Verification

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G3G5271-ICV5271
Lab FileID: 3G143291.D

42		AR1016-B							
43		AR1016-C							
44		AR1016-D							
45		AR1016-E							
46		AR1260-A							
47		AR1260-B							
48		AR1260-C							
49		AR1260-D							
50		AR1260-E							
51	S	Decachlorobiphenyl	7.986	8.236	E6	-3.1	109	0.00	10.72-10.79
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	24.373	25.651	E6	-5.2	110	0.00	4.10- 4.16
2		AR1221-A							
3		AR1221-B							
4		AR1221-C							
5		AR1221-D							
6		AR1221-E							
7		AR1232-A							
8		AR1232-B							
9		AR1232-C							
10		AR1232-D							
11		AR1232-E							
12		AR1242-A							
13		AR1242-B							
14		AR1242-C							
15		AR1242-D							
16		AR1242-E							
17		AR1248-A	317.792	317.086	E3	0.2	100	0.00	5.32- 5.52
18		AR1248-B	859.892	858.695	E3	0.1	100	0.00	5.99- 6.19
19		AR1248-C	492.573	490.779	E3	0.4	100	0.00	6.46- 6.66
20		AR1248-D	651.816	649.518	E3	0.4	100	0.00	6.86- 7.06
21		AR1248-E	622.238	621.697	E3	0.1	100	0.00	7.05- 7.25
22		AR1248-F	837.109	834.260	E3	0.3	100	0.00	7.47- 7.67
23		AR1248-G	824.458	822.723	E3	0.2	100	0.00	7.81- 8.01
24		AR1254-A							
25		AR1254-B							
26		AR1254-C							
27		AR1254-D							
28		AR1254-E							
29		AR1254-F							
30		AR1254-G							
31		AR1262-A							
32		AR1262-B							
33		AR1262-C							
34		AR1262-D							
35		AR1262-E							
36		AR1268-A							
37		AR1268-B							
38		AR1268-C							
39		AR1268-D							
40		AR1268-E							
41		AR1016-A							
42		AR1016-B							
43		AR1016-C							
44		AR1016-D							
45		AR1016-E							
46		AR1260-A							
47		AR1260-B							

Initial Calibration Verification

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G3G5271-ICV5271
Lab FileID: 3G143291.D

48		AR1260-C			----------NA----------			
49		AR1260-D			----------NA----------			
50		AR1260-E			----------NA----------			
51	S	Decachlorobiphenyl	13.515	14.459 E6	-7.0	119	0.00	12.74-12.80

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3G143272.d 3PCB5271a.M Wed Nov 20 13:24:53 2024

10.8.16 10

Continuing Calibration Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G3G5279-CC5271
Lab FileID: 3G143545.D

Evaluate Continuing Calibration Report

Signal #1 : X:\Dayton SVOA GC\8....9\3G143545.d\ECD1A.CH Vial: 85
Signal #2 : X:\Dayton SVOA GC\8. GC ...g5279\3G143545.d\ECD2B.CH
Acq On : 26-Nov-24, 11:49:34 Operator: kyrac
Sample : cc5271-1000 Inst : GC3G
Misc : op59446,g3g5279,10.7,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : X:\Dayton SVOA G...5279\3PCB5271a.M (ChemStation Integrator)
Title :
Last Update : Tue Nov 26 11:04:03 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	8.389	8.883 E6	-5.9	111	0.00	3.28- 3.34
2		AR1221-A		----------NA----------				
3		AR1221-B		----------NA----------				
4		AR1221-C		----------NA----------				
5		AR1221-D		----------NA----------				
6		AR1221-E		----------NA----------				
7		AR1232-A		----------NA----------				
8		AR1232-B		----------NA----------				
9		AR1232-C		----------NA----------				
10		AR1232-D		----------NA----------				
11		AR1232-E		----------NA----------				
12		AR1242-A		----------NA----------				
13		AR1242-B		----------NA----------				
14		AR1242-C		----------NA----------				
15		AR1242-D		----------NA----------				
16		AR1242-E		----------NA----------				
17		AR1248-A		----------NA----------				
18		AR1248-B		----------NA----------				
19		AR1248-C		----------NA----------				
20		AR1248-D		----------NA----------				
21		AR1248-E		----------NA----------				
22		AR1248-F		----------NA----------				
23		AR1248-G		----------NA----------				
24		AR1254-A		----------NA----------				
25		AR1254-B		----------NA----------				
26		AR1254-C		----------NA----------				
27		AR1254-D		----------NA----------				
28		AR1254-E		----------NA----------				
29		AR1254-F		----------NA----------				
30		AR1254-G		----------NA----------				
31		AR1262-A		----------NA----------				
32		AR1262-B		----------NA----------				
33		AR1262-C		----------NA----------				
34		AR1262-D		----------NA----------				
35		AR1262-E		----------NA----------				
36		AR1268-A		----------NA----------				
37		AR1268-B		----------NA----------				
38		AR1268-C		----------NA----------				
39		AR1268-D		----------NA----------				
40		AR1268-E		----------NA----------				
41		AR1016-A	167.967	174.060 E3	-3.6	111	0.00	3.69- 3.75

10.8.17 10

Continuing Calibration Summary

Job Number: JE1296 **Sample:** G3G5279-CC5271
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 3G143545.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

42		AR1016-B	271.633	279.065	E3	-2.7	111	0.00	4.12- 4.18
43		AR1016-C	557.548	600.364	E3	-7.7	115	0.00	4.71- 4.77
44		AR1016-D	239.195	249.734	E3	-4.4	114	0.00	4.88- 4.94
45		AR1016-E	250.030	263.758	E3	-5.5	115	0.00	5.41- 5.48
46		AR1260-A	515.261	587.170	E3	-14.0	121	0.00	7.45- 7.51
47		AR1260-B	324.596	353.456	E3	-8.9	116	0.00	8.00- 8.06
48		AR1260-C	371.717	420.800	E3	-13.2	120	0.00	8.34- 8.41
49		AR1260-D	814.543	962.934	E3	-18.2	121	0.00	8.78- 8.84
50		AR1260-E	0.906	1.012	E6	-11.7	117	0.00	9.18- 9.24
51	S	Decachlorobiphenyl	7.986	8.813	E6	-10.4	116	0.00	10.72-10.79
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	24.373	24.937	E6	-2.3	107	0.00	4.10- 4.16
2		AR1221-A	----------NA----------						
3		AR1221-B	----------NA----------						
4		AR1221-C	----------NA----------						
5		AR1221-D	----------NA----------						
6		AR1221-E	----------NA----------						
7		AR1232-A	----------NA----------						
8		AR1232-B	----------NA----------						
9		AR1232-C	----------NA----------						
10		AR1232-D	----------NA----------						
11		AR1232-E	----------NA----------						
12		AR1242-A	----------NA----------						
13		AR1242-B	----------NA----------						
14		AR1242-C	----------NA----------						
15		AR1242-D	----------NA----------						
16		AR1242-E	----------NA----------						
17		AR1248-A	----------NA----------						
18		AR1248-B	----------NA----------						
19		AR1248-C	----------NA----------						
20		AR1248-D	----------NA----------						
21		AR1248-E	----------NA----------						
22		AR1248-F	----------NA----------						
23		AR1248-G	----------NA----------						
24		AR1254-A	----------NA----------						
25		AR1254-B	----------NA----------						
26		AR1254-C	----------NA----------						
27		AR1254-D	----------NA----------						
28		AR1254-E	----------NA----------						
29		AR1254-F	----------NA----------						
30		AR1254-G	----------NA----------						
31		AR1262-A	----------NA----------						
32		AR1262-B	----------NA----------						
33		AR1262-C	----------NA----------						
34		AR1262-D	----------NA----------						
35		AR1262-E	----------NA----------						
36		AR1268-A	----------NA----------						
37		AR1268-B	----------NA----------						
38		AR1268-C	----------NA----------						
39		AR1268-D	----------NA----------						
40		AR1268-E	----------NA----------						
41		AR1016-A	404.768	394.707	E3	2.5	105	0.00	4.80- 4.86
42		AR1016-B	0.780	0.756	E6	3.1	105	0.00	5.39- 5.45
43		AR1016-C	1.646	1.662	E6	-1.0	107	0.00	6.05- 6.11
44		AR1016-D	648.761	651.739	E3	-0.5	107	0.00	6.25- 6.31
45		AR1016-E	511.585	506.433	E3	1.0	107	0.00	6.93- 6.99
46		AR1260-A	0.997	0.990	E6	0.7	105	0.00	9.05- 9.11
47		AR1260-B	0.792	0.782	E6	1.3	106	0.00	9.70- 9.76

Continuing Calibration Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G3G5279-CC5271
Lab FileID: 3G143545.D

48		AR1260-C	0.847	0.868	E6	-2.5	108	0.00	10.15-10.21
49		AR1260-D	1.830	1.923	E6	-5.1	109	0.00	10.49-10.55
50		AR1260-E	1.872	1.984	E6	-6.0	112	0.00	11.04-11.10
51	S	Decachlorobiphenyl	13.515	16.095	E6	-19.1	132	0.00	12.74-12.80

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3G143340.d 3PCB5271a.M Tue Nov 26 21:38:08 2024

Continuing Calibration Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G3G5279-CC5271
Lab FileID: 3G143559.D

Evaluate Continuing Calibration Report

Signal #1 : X:\Dayton SVOA GC\8....9\3G143559.d\ECD1A.CH Vial: 96
Signal #2 : X:\Dayton SVOA GC\8. GC ...g5279\3G143559.d\ECD2B.CH
Acq On : 26-Nov-24, 15:42:17 Operator: kyrac
Sample : cc5271-500 Inst : GC3G
Misc : op59700a,g3g5279,1000,,,1,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : X:\Dayton SVOA G...5279\3PCB5271a.M (ChemStation Integrator)
Title :
Last Update : Tue Nov 26 11:04:03 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	8.389	9.171 E6	-9.3	111	0.00	3.28- 3.34
2		AR1221-A		----------NA----------				
3		AR1221-B		----------NA----------				
4		AR1221-C		----------NA----------				
5		AR1221-D		----------NA----------				
6		AR1221-E		----------NA----------				
7		AR1232-A		----------NA----------				
8		AR1232-B		----------NA----------				
9		AR1232-C		----------NA----------				
10		AR1232-D		----------NA----------				
11		AR1232-E		----------NA----------				
12		AR1242-A		----------NA----------				
13		AR1242-B		----------NA----------				
14		AR1242-C		----------NA----------				
15		AR1242-D		----------NA----------				
16		AR1242-E		----------NA----------				
17		AR1248-A		----------NA----------				
18		AR1248-B		----------NA----------				
19		AR1248-C		----------NA----------				
20		AR1248-D		----------NA----------				
21		AR1248-E		----------NA----------				
22		AR1248-F		----------NA----------				
23		AR1248-G		----------NA----------				
24		AR1254-A		----------NA----------				
25		AR1254-B		----------NA----------				
26		AR1254-C		----------NA----------				
27		AR1254-D		----------NA----------				
28		AR1254-E		----------NA----------				
29		AR1254-F		----------NA----------				
30		AR1254-G		----------NA----------				
31		AR1262-A		----------NA----------				
32		AR1262-B		----------NA----------				
33		AR1262-C		----------NA----------				
34		AR1262-D		----------NA----------				
35		AR1262-E		----------NA----------				
36		AR1268-A		----------NA----------				
37		AR1268-B		----------NA----------				
38		AR1268-C		----------NA----------				
39		AR1268-D		----------NA----------				
40		AR1268-E		----------NA----------				
41		AR1016-A	167.967	189.040 E3	-12.5	110	0.00	3.69- 3.75

10.8.18 10

Continuing Calibration Summary

Job Number: JE1296 **Sample:** G3G5279-CC5271
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 3G143559.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

42		AR1016-B	271.633	299.688	E3	-10.3	112	0.00	4.12- 4.18
43		AR1016-C	557.548	623.141	E3	-11.8	115	0.00	4.71- 4.77
44		AR1016-D	239.195	263.649	E3	-10.2	113	0.00	4.88- 4.94
45		AR1016-E	250.030	272.014	E3	-8.8	111	0.00	5.41- 5.48
46		AR1260-A	515.261	583.583	E3	-13.3	117	0.00	7.45- 7.51
47		AR1260-B	324.596	354.910	E3	-9.3	113	0.00	8.00- 8.06
48		AR1260-C	371.717	418.385	E3	-12.6	116	0.00	8.34- 8.41
49		AR1260-D	814.543	954.167	E3	-17.1	119	0.00	8.78- 8.84
50		AR1260-E	0.906	1.011	E6	-11.6	115	0.00	9.18- 9.24
51	S	Decachlorobiphenyl	7.986	8.940	E6	-11.9	115	0.00	10.72-10.79
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	24.373	25.138	E6	-3.1	105	0.00	4.10- 4.16
2		AR1221-A	----------NA----------						
3		AR1221-B	----------NA----------						
4		AR1221-C	----------NA----------						
5		AR1221-D	----------NA----------						
6		AR1221-E	----------NA----------						
7		AR1232-A	----------NA----------						
8		AR1232-B	----------NA----------						
9		AR1232-C	----------NA----------						
10		AR1232-D	----------NA----------						
11		AR1232-E	----------NA----------						
12		AR1242-A	----------NA----------						
13		AR1242-B	----------NA----------						
14		AR1242-C	----------NA----------						
15		AR1242-D	----------NA----------						
16		AR1242-E	----------NA----------						
17		AR1248-A	----------NA----------						
18		AR1248-B	----------NA----------						
19		AR1248-C	----------NA----------						
20		AR1248-D	----------NA----------						
21		AR1248-E	----------NA----------						
22		AR1248-F	----------NA----------						
23		AR1248-G	----------NA----------						
24		AR1254-A	----------NA----------						
25		AR1254-B	----------NA----------						
26		AR1254-C	----------NA----------						
27		AR1254-D	----------NA----------						
28		AR1254-E	----------NA----------						
29		AR1254-F	----------NA----------						
30		AR1254-G	----------NA----------						
31		AR1262-A	----------NA----------						
32		AR1262-B	----------NA----------						
33		AR1262-C	----------NA----------						
34		AR1262-D	----------NA----------						
35		AR1262-E	----------NA----------						
36		AR1268-A	----------NA----------						
37		AR1268-B	----------NA----------						
38		AR1268-C	----------NA----------						
39		AR1268-D	----------NA----------						
40		AR1268-E	----------NA----------						
41		AR1016-A	404.768	418.093	E3	-3.3	102	0.00	4.80- 4.86
42		AR1016-B	0.780	0.789	E6	-1.2	102	0.00	5.39- 5.45
43		AR1016-C	1.646	1.673	E6	-1.6	104	0.00	6.05- 6.11
44		AR1016-D	648.761	658.804	E3	-1.5	103	0.00	6.25- 6.31
45		AR1016-E	511.585	503.314	E3	1.6	101	0.00	6.93- 6.99
46		AR1260-A	0.997	0.955	E6	4.2	97	0.00	9.05- 9.11
47		AR1260-B	0.792	0.764	E6	3.5	99	0.00	9.70- 9.76

Continuing Calibration Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G3G5279-CC5271
Lab FileID: 3G143559.D

48		AR1260-C	0.847	0.831	E6	1.9	100	0.00	10.15-10.21
49		AR1260-D	1.830	1.856	E6	-1.4	103	0.00	10.49-10.55
50		AR1260-E	1.872	1.886	E6	-0.7	103	0.00	11.04-11.10
51	S	Decachlorobiphenyl	13.515	16.662	E6	-23.3#	123	0.00	12.74-12.80

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3G143271.d 3PCB5271a.M Tue Nov 26 22:01:17 2024

Run Sequence Report

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: G1G7222	**Method:** SW846 8081B	**Instrument ID:** GC1G

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G1G7222-DDT	1G201466.D	10/08/24 09:56	n/a	DDT/Endrin Breakdown Check
G1G7222-IC7222	1G201469.D	10/08/24 10:52	n/a	Initial cal 1
G1G7222-IC7222	1G201470.D	10/08/24 11:08	n/a	Initial cal 2
G1G7222-IC7222	1G201471.D	10/08/24 11:24	n/a	Initial cal 5
G1G7222-IC7222	1G201472.D	10/08/24 11:39	n/a	Initial cal 10
G1G7222-ICC7222	1G201473.D	10/08/24 11:55	n/a	Initial cal 25
G1G7222-IC7222	1G201474.D	10/08/24 12:11	n/a	Initial cal 50
G1G7222-IC7222	1G201475.D	10/08/24 12:27	n/a	Initial cal 75
G1G7222-IC7222	1G201476.D	10/08/24 12:43	n/a	Initial cal 100
G1G7222-IC7222	1G201477.D	10/08/24 12:58	n/a	Initial cal 500
G1G7222-IC7222	1G201478.D	10/08/24 13:14	n/a	Initial cal 500
G1G7222-ICV7222	1G201479.D	10/08/24 13:30	n/a	Initial cal verification 25
G1G7222-ICV7222	1G201480.D	10/08/24 13:46	n/a	Initial cal verification 500
G1G7222-ICV7222	1G201481.D	10/08/24 14:02	n/a	Initial cal verification 500

Run Sequence Report

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: G1G7312	**Method:** SW846 8081B	**Instrument ID:** GC1G

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G1G7312-DDT	1G204031.D	11/27/24 01:29	n/a	DDT/Endrin Breakdown Check
G1G7312-CC7222	1G204034.D	11/27/24 03:27	n/a	Continuing cal 50
OP59567-MB1	1G204036.D	11/27/24 04:30	OP59567	Method Blank
OP59567-BS1	1G204037.D	11/27/24 04:46	OP59567	Blank Spike
JE1296-12	1G204038.D	11/27/24 05:01	OP59697	FB-1
JE386-2	1G204039.D	11/27/24 05:17	OP59506	(used for QC only; not part of job JE1296)
ZZZZZZ	1G204041.D	11/27/24 05:49	OP59506	(unrelated sample)
ZZZZZZ	1G204043.D	11/27/24 06:20	OP59506	(unrelated sample)
ZZZZZZ	1G204045.D	11/27/24 06:52	OP59506	(unrelated sample)
ZZZZZZ	1G204047.D	11/27/24 07:24	OP59506	(unrelated sample)
ZZZZZZ	1G204049.D	11/27/24 07:55	OP59567	(unrelated sample)
ZZZZZZ	1G204050.D	11/27/24 08:11	OP59567	(unrelated sample)
JE619-3	1G204051.D	11/27/24 08:27	OP59567	(used for QC only; not part of job JE1296)
ZZZZZZ	1G204052.D	11/27/24 08:43	OP59567	(unrelated sample)
ZZZZZZ	1G204053.D	11/27/24 08:58	OP59567	(unrelated sample)
ZZZZZZ	1G204054.D	11/27/24 09:14	OP59567	(unrelated sample)
ZZZZZZ	1G204055.D	11/27/24 09:30	OP59567	(unrelated sample)
ZZZZZZ	1G204056.D	11/27/24 09:46	OP59567	(unrelated sample)
ZZZZZZ	1G204057.D	11/27/24 10:02	OP59567	(unrelated sample)
OP59567-MS	1G204058.D	11/27/24 10:17	OP59567	Matrix Spike
OP59567-MSD	1G204059.D	11/27/24 10:33	OP59567	Matrix Spike Duplicate

Run Sequence Report

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: G1G7313	**Method:** SW846 8081B	**Instrument ID:** GC1G

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G1G7313-DDT	1G204065.D	11/27/24 14:41	n/a	DDT/Endrin Breakdown Check
G1G7313-CC7222	1G204066.D	11/27/24 14:56	n/a	Continuing cal 50
OP59697-MB1	1G204073.D	11/27/24 18:23	OP59697	Method Blank
OP59697-BS1	1G204074.D	11/27/24 18:39	OP59697	Blank Spike
OP59697-BSD	1G204075.D	11/27/24 18:55	OP59697	Blank Spike Duplicate
G1G7313-CC7222	1G204090.D	11/27/24 22:52	n/a	Continuing cal 25

Run Sequence Report

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: G3G5271	**Method:** SW846 8082A	**Instrument ID:** GC3G

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G3G5271-IC5271	3G143269.D	11/19/24 12:27	n/a	Initial cal 50
G3G5271-IC5271	3G143270.D	11/19/24 12:43	n/a	Initial cal 250
G3G5271-IC5271	3G143271.D	11/19/24 13:00	n/a	Initial cal 500
G3G5271-ICC5271	3G143272.D	11/19/24 13:16	n/a	Initial cal 1000
G3G5271-IC5271	3G143273.D	11/19/24 13:33	n/a	Initial cal 2000
G3G5271-IC5271	3G143274.D	11/19/24 13:49	n/a	Initial cal 3000
G3G5271-IC5271	3G143277.D	11/19/24 14:39	n/a	Initial cal 1000
G3G5271-IC5271	3G143278.D	11/19/24 14:55	n/a	Initial cal 1000
G3G5271-IC5271	3G143279.D	11/19/24 15:12	n/a	Initial cal 1000
G3G5271-IC5271	3G143280.D	11/19/24 15:29	n/a	Initial cal 1000
G3G5271-IC5271	3G143281.D	11/19/24 15:45	n/a	Initial cal 1000
G3G5271-IC5271	3G143282.D	11/19/24 16:02	n/a	Initial cal 1000
G3G5271-IC5271	3G143283.D	11/19/24 16:18	n/a	Initial cal 1000
G3G5271-ICV5271	3G143284.D	11/19/24 16:35	n/a	Initial cal verification 1000
G3G5271-ICV5271	3G143285.D	11/19/24 16:51	n/a	Initial cal verification 1000
G3G5271-ICV5271	3G143286.D	11/19/24 17:08	n/a	Initial cal verification 1000
G3G5271-ICV5271	3G143287.D	11/19/24 17:24	n/a	Initial cal verification 1000
G3G5271-ICV5271	3G143288.D	11/19/24 17:41	n/a	Initial cal verification 1000
G3G5271-ICV5271	3G143289.D	11/19/24 17:58	n/a	Initial cal verification 1000
G3G5271-ICV5271	3G143290.D	11/19/24 18:14	n/a	Initial cal verification 1000
G3G5271-ICV5271	3G143291.D	11/19/24 18:31	n/a	Initial cal verification 1000

Run Sequence Report

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: G3G5279	**Method:** EPA 608.3	**Instrument ID:** GC3G

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
ZZZZZZ	3G143539.D	11/26/24 10:09	OP59446	(unrelated sample)
ZZZZZZ	3G143540.D	11/26/24 10:26	OP59446	(unrelated sample)
ZZZZZZ	3G143541.D	11/26/24 10:43	OP59446	(unrelated sample)
ZZZZZZ	3G143542.D	11/26/24 10:59	OP59446	(unrelated sample)
G3G5279-CC5271	3G143545.D	11/26/24 11:49	n/a	Continuing cal 1000
OP59698-MB1	3G143547.D	11/26/24 12:22	OP59698	Method Blank
OP59698A-MB1	3G143547.D	11/26/24 12:22	OP59698A	Method Blank
OP59698-BS1	3G143548.D	11/26/24 12:39	OP59698	Blank Spike
OP59698A-BS1	3G143548.D	11/26/24 12:39	OP59698A	Blank Spike
OP59698-BSD	3G143549.D	11/26/24 12:56	OP59698	Blank Spike Duplicate
OP59698A-BSD	3G143549.D	11/26/24 12:56	OP59698A	Blank Spike Duplicate
OP59700A-MB1	3G143550.D	11/26/24 13:12	OP59700A	Method Blank
OP59700A-BS1	3G143551.D	11/26/24 13:29	OP59700A	Blank Spike
OP59700A-BSD	3G143552.D	11/26/24 13:45	OP59700A	Blank Spike Duplicate
ZZZZZZ	3G143553.D	11/26/24 14:02	OP59698A	(unrelated sample)
ZZZZZZ	3G143554.D	11/26/24 14:19	OP59698A	(unrelated sample)
JE1296-12	3G143555.D	11/26/24 14:35	OP59698	FB-1
ZZZZZZ	3G143556.D	11/26/24 14:52	OP59700A	(unrelated sample)
G3G5279-CC5271	3G143559.D	11/26/24 15:42	n/a	Continuing cal 500

GC/LC Semi-volatiles

Raw Data

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns
12/03/24 11:47

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\1g7312\
Data File : 1g204038.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Nov 2024 5:01 am
Operator : christp
Sample : je1296-12
Misc : op59697,g1g7312,1000,,,5,1
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 11:38:59 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\1G7312\1PST7222a.M
Quant Title : PEST/PCB
QLast Update : Tue Nov 26 22:35:31 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
Internal Standards						
1) I 1-bromo-2...	1.763	1.952	776.9E6	326.3E6	50.000m	50.000
27) I 1-bromo-2...	1.763	1.952	776.1E6	326.3E6	50.000m	50.000
33) I 1-bromo-2...	1.763	1.952	776.5E6	326.3E6	50.000m	50.000
System Monitoring Compounds						
2) SAB Tetrachlo...	2.304	2.740	979.2E6	298.7E6	70.293m	71.318
Spiked Amount	40.000 Range	30 - 150	Recovery	=	175.73%#	178.30%#
26) SA Decachlor...	9.860	11.769	406.8E6	247.2E6	43.400	42.456
Spiked Amount	40.000		Recovery	=	108.50%	106.14%
Target Compounds						
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

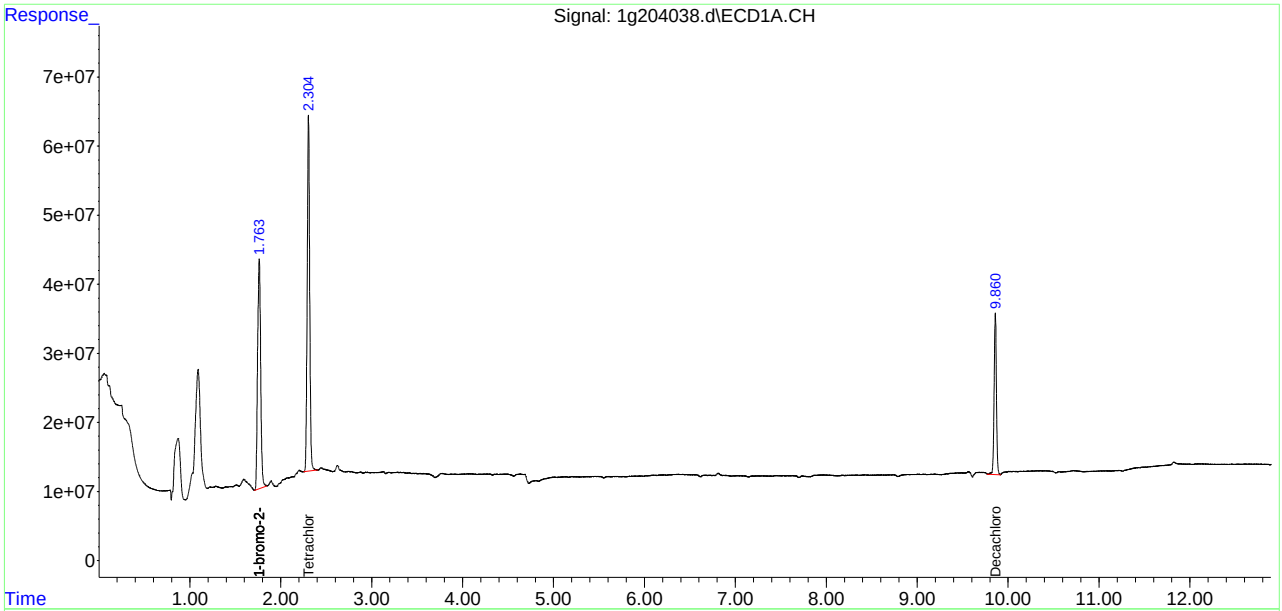
11.1.1 11

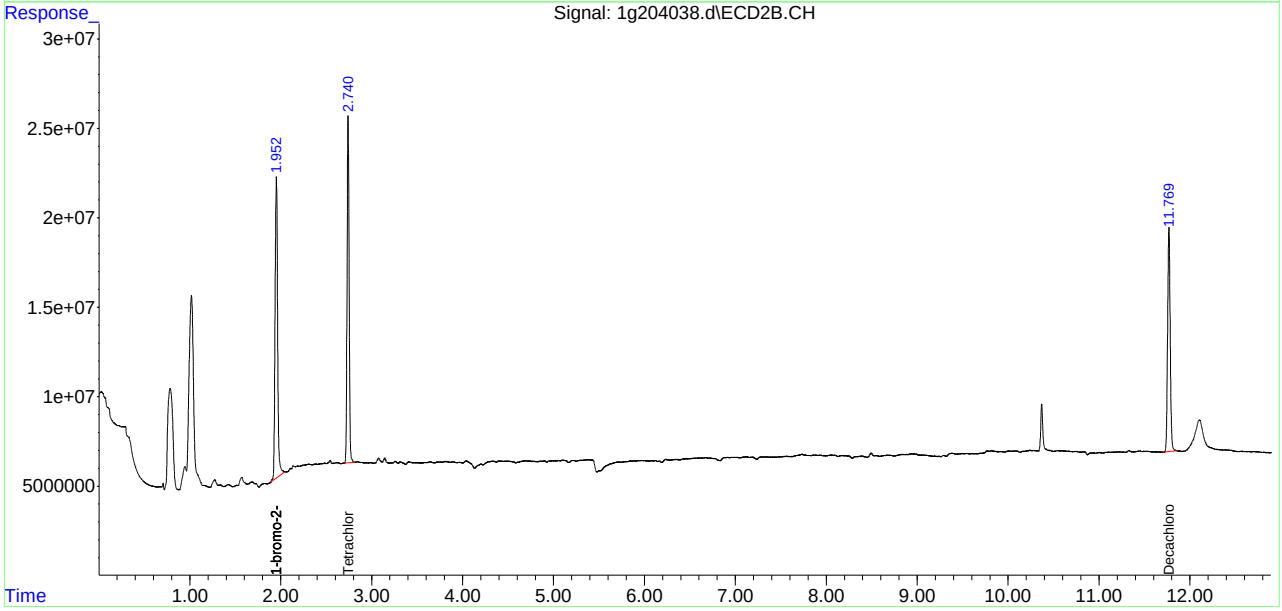
Quantitation Report (QT Reviewed)

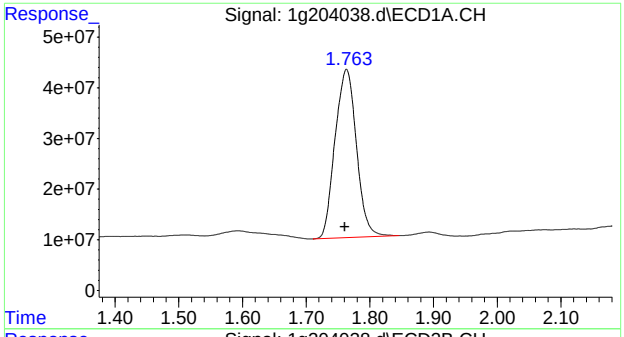
Data Path : C:\msdchem\1\data\1g7312\
Data File : 1g204038.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Nov 2024 5:01 am
Operator : christp
Sample : je1296-12
Misc : op59697,g1g7312,1000,,,5,1
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 11:38:59 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\1G7312\1PST7222a.M
Quant Title : PEST/PCB
QLast Update : Tue Nov 26 22:35:31 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um

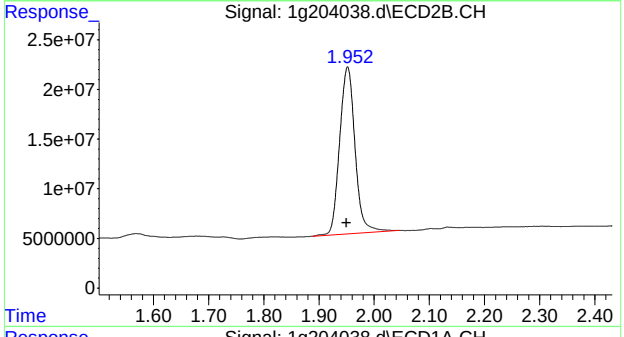






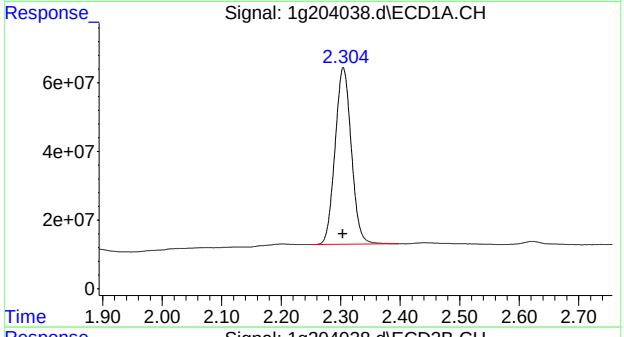
#1 1-bromo-2-nitrobenzene

R.T.: 1.763 min
Delta R.T.: 0.002 min
Response: 776885611
Conc: 50.00 PPB m



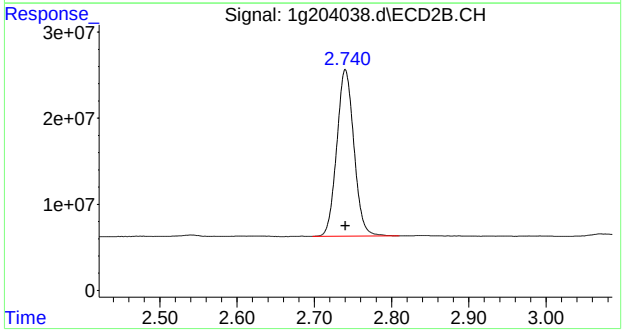
#1 1-bromo-2-nitrobenzene

R.T.: 1.952 min
Delta R.T.: 0.002 min
Response: 326286980
Conc: 50.00 PPB



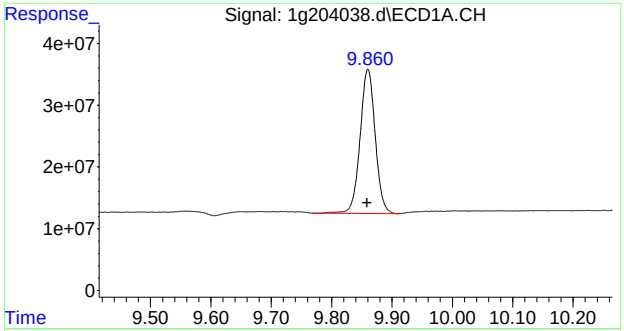
#2 Tetrachloro-m-xylene

R.T.: 2.304 min
Delta R.T.: 0.000 min
Response: 979194940
Conc: 70.29 PPB m



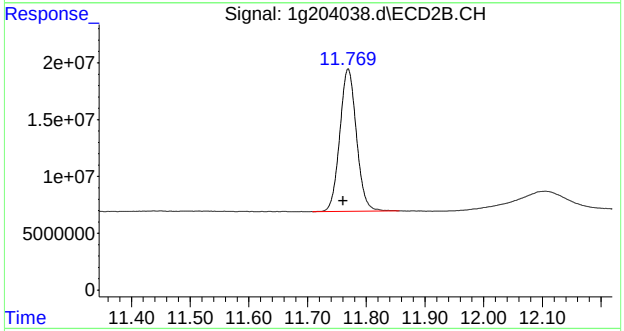
#2 Tetrachloro-m-xylene

R.T.: 2.740 min
Delta R.T.: 0.000 min
Response: 298653598
Conc: 71.32 PPB



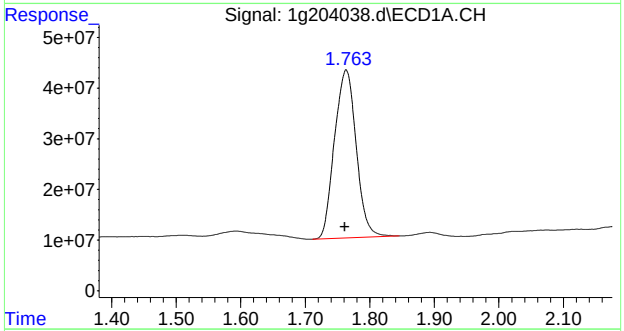
#26 Decachlorobiphenyl

R.T.: 9.860 min
Delta R.T.: 0.002 min
Response: 406831624
Conc: 43.40 PPB



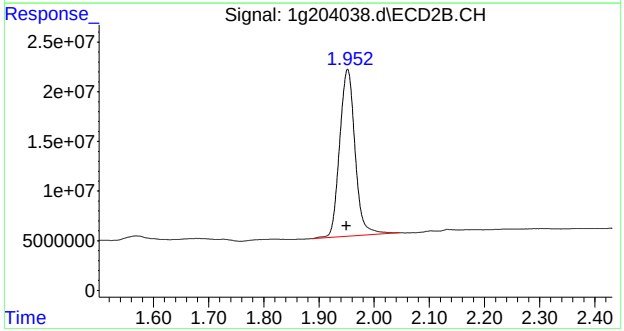
#26 Decachlorobiphenyl

R.T.: 11.769 min
Delta R.T.: 0.008 min
Response: 247182901
Conc: 42.46 PPB



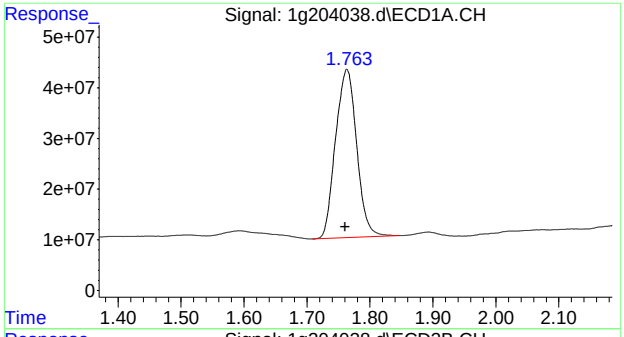
#27 1-bromo-2-nitrobenzeneA

R.T.: 1.763 min
Delta R.T.: 0.002 min
Response: 776068750
Conc: 50.00 PPB m



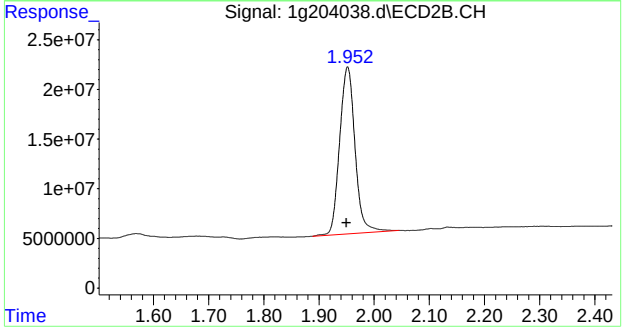
#27 1-bromo-2-nitrobenzeneA

R.T.: 1.952 min
Delta R.T.: 0.002 min
Response: 326286980
Conc: 50.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 1.763 min
Delta R.T.: 0.002 min
Response: 776471319
Conc: 50.00 PPB m



#33 1-bromo-2-nitrobenzeneB

R.T.: 1.952 min
Delta R.T.: 0.002 min
Response: 326286980
Conc: 50.00 PPB

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\carlos\g3g5279\
Data File : 3G143555.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26-Nov-24, 14:35:48
Operator : kyrac
Sample : je1296-12
Misc : op59698,g3g5279,1000,,,5,1
ALS Vial : 94 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 26 21:55:31 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\carlos\g3g5279\3PCB5271a.M
Quant Title :
QLast Update : Tue Nov 26 11:04:03 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) S	Tetrachlo...	3.311	4.129	614.1E6	1542.7E6	73.208	63.294
	Spiked Amount	40.000		Recovery	=	183.02%	158.23%
51) S	Decachlor...	10.747	12.760	343.5E6	612.5E6	43.014	45.321
	Spiked Amount	40.000		Recovery	=	107.54%	113.30%
	Target Compounds						

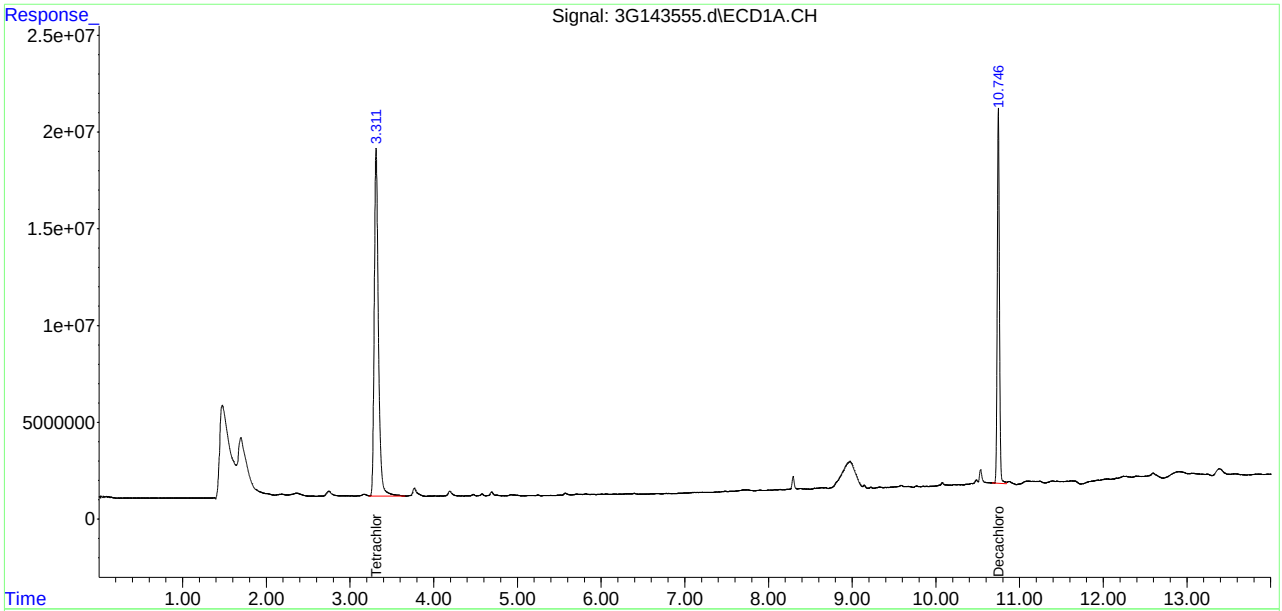
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

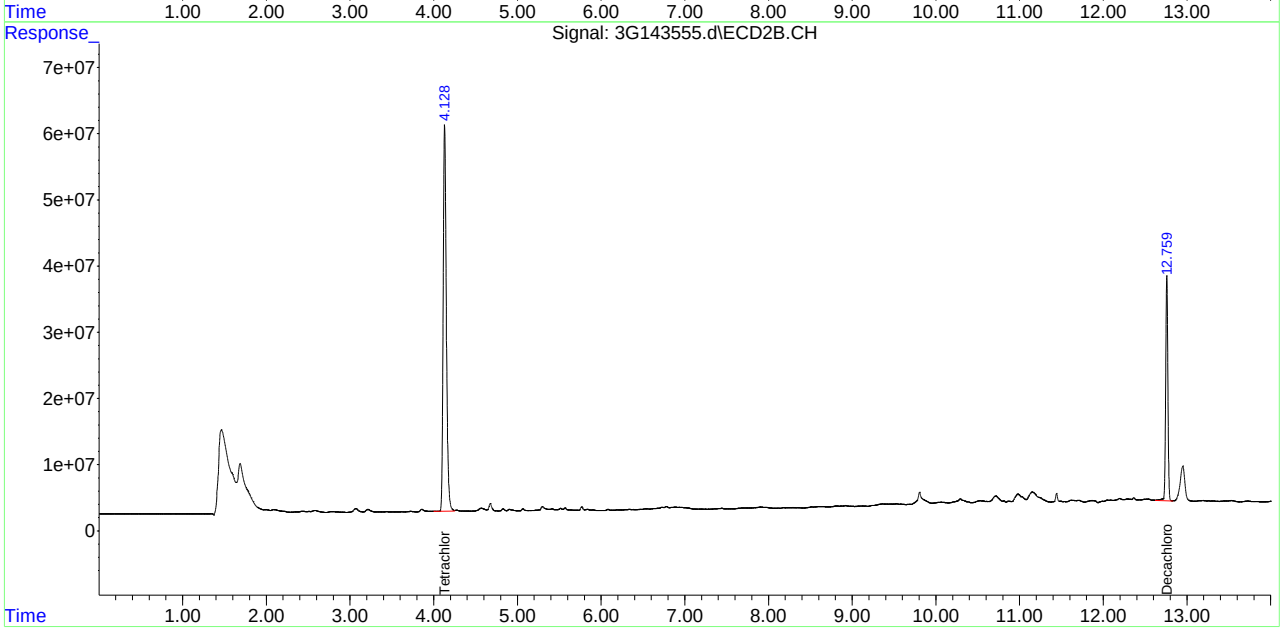
Quantitation Report (QT Reviewed)

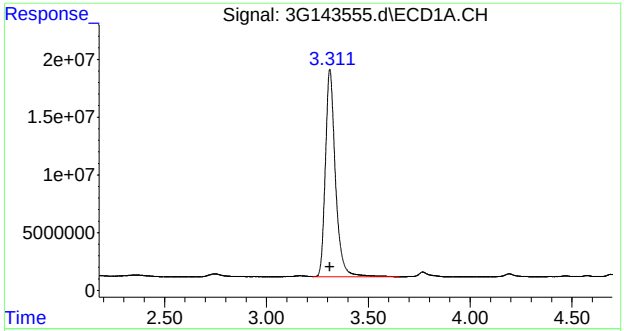
Data Path : X:\Dayton SVOA GC\8. GC Members\carlos\g3g5279\
Data File : 3G143555.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26-Nov-24, 14:35:48
Operator : kyrac
Sample : je1296-12
Misc : op59698,g3g5279,1000,,,5,1
ALS Vial : 94 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 26 21:55:31 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\carlos\g3g5279\3PCB5271a.M
Quant Title :
QLast Update : Tue Nov 26 11:04:03 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

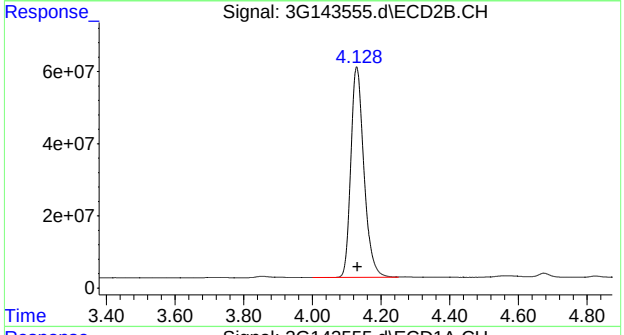






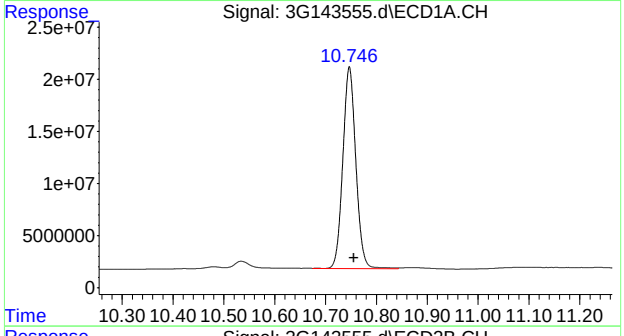
#1 Tetrachloro-m-xylene

R.T.: 3.311 min
Delta R.T.: 0.000 min
Response: 614125534
Conc: 73.21 ppb



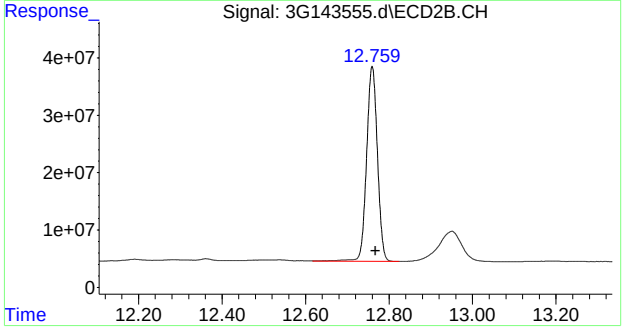
#1 Tetrachloro-m-xylene

R.T.: 4.129 min
Delta R.T.: -0.002 min
Response: 1542685737
Conc: 63.29 ppb



#51 Decachlorobiphenyl

R.T.: 10.747 min
Delta R.T.: -0.008 min
Response: 343517678
Conc: 43.01 ppb



#51 Decachlorobiphenyl

R.T.: 12.760 min
Delta R.T.: -0.007 min
Response: 612493396
Conc: 45.32 ppb

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\maryannl\1G7313\
Data File : 1g204073.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27-Nov-24, 18:23:32
Operator : thomasl
Sample : op59697a-mb1
Misc : op59697a,g1g7313,1000,,,5,1
ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 28 06:15:21 2024
Quant Method : C:\msdchem\1\data\maryannl\1G7313\1PST7222a.M
Quant Title : PEST/PCB
QLast Update : Thu Nov 28 05:26:23 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1) I	1-bromo-2...	1.766	1.955	627.0E6	318.9E6	50.000	50.000
27) I	1-bromo-2...	1.766	1.955	627.0E6	318.9E6	50.000	50.000
33) I	1-bromo-2...	1.766	1.955	627.0E6	318.9E6	50.000	50.000
	System Monitoring Compounds						
2) SAB	Tetrachlo...	2.309	2.744	806.4E6	280.5E6	71.725	68.528
	Spiked Amount	40.000	Range 30 - 150	Recovery	= 179.31%#	171.32%#	
26) SA	Decachlor...	9.865	11.772	535.8E6	263.0E6	70.813	46.225 #
	Spiked Amount	40.000		Recovery	= 177.03%	115.56%	
	Target Compounds						
	Sum Toxaphene			0	0	N.D.	N.D.
	Average Toxaphene					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						

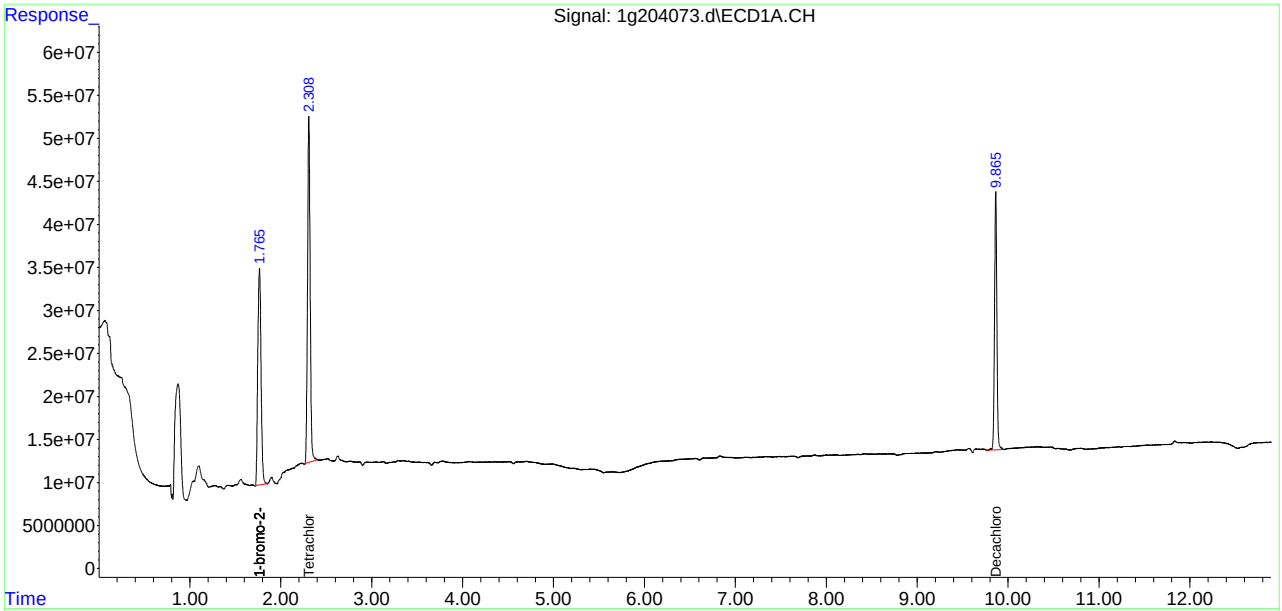
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

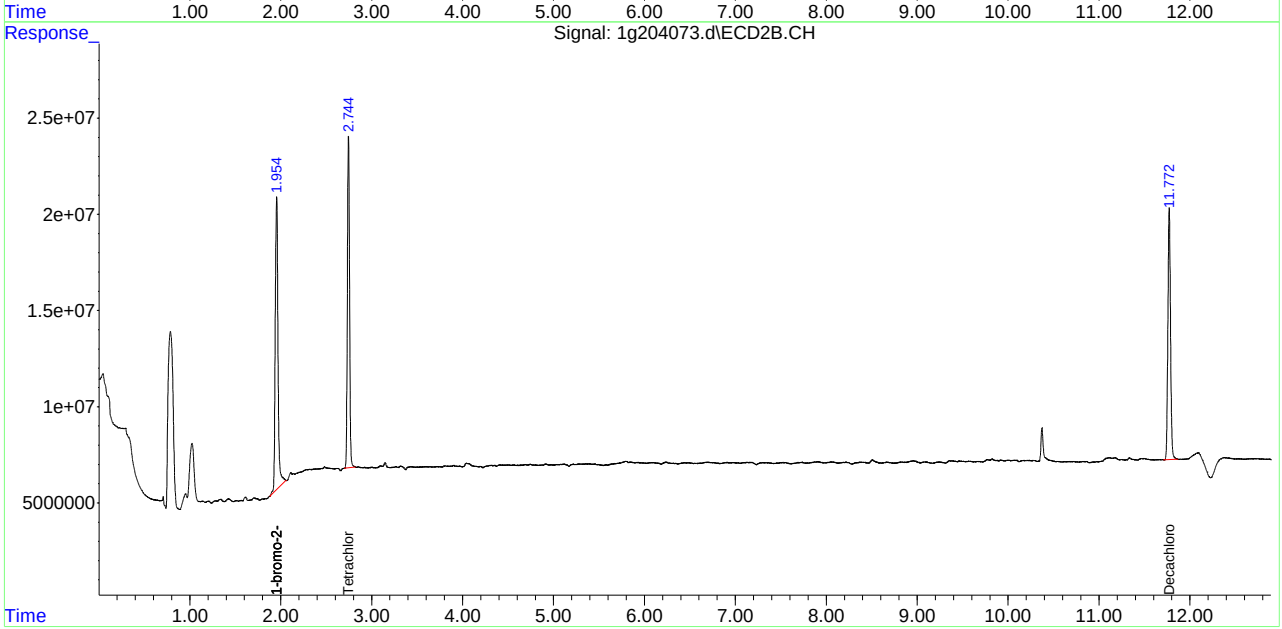
Quantitation Report (QT Reviewed)

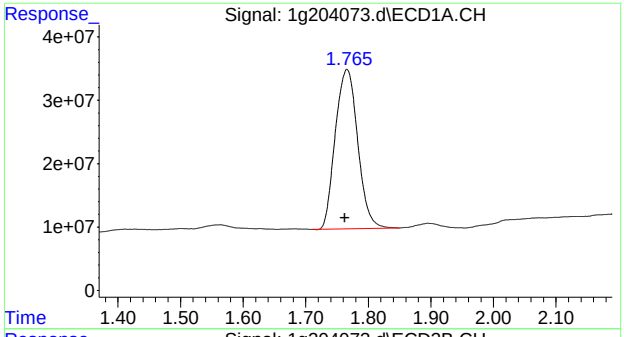
Data Path : C:\msdchem\1\data\maryannl\1G7313\
Data File : 1g204073.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27-Nov-24, 18:23:32
Operator : thomasl
Sample : op59697a-mb1
Misc : op59697a,g1g7313,1000,,,5,1
ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 28 06:15:21 2024
Quant Method : C:\msdchem\1\data\maryannl\1G7313\1PST7222a.M
Quant Title : PEST/PCB
QLast Update : Thu Nov 28 05:26:23 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um

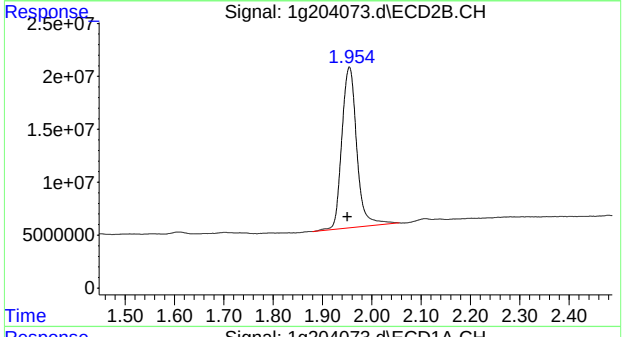






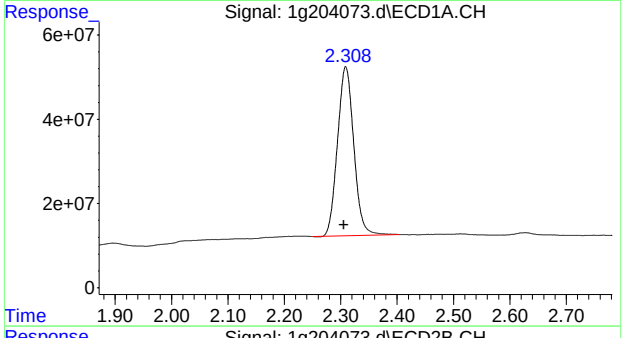
#1 1-bromo-2-nitrobenzene

R.T.: 1.766 min
Delta R.T.: 0.004 min
Response: 627029082
Conc: 50.00 PPB



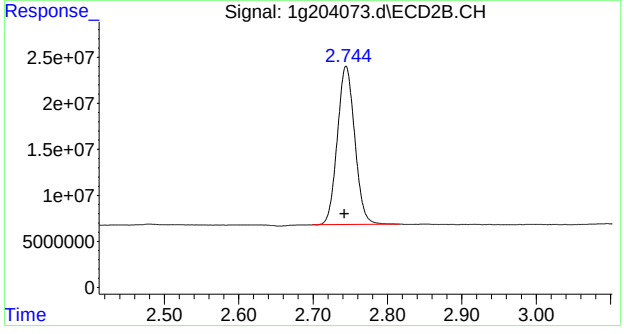
#1 1-bromo-2-nitrobenzene

R.T.: 1.955 min
Delta R.T.: 0.004 min
Response: 318879056
Conc: 50.00 PPB



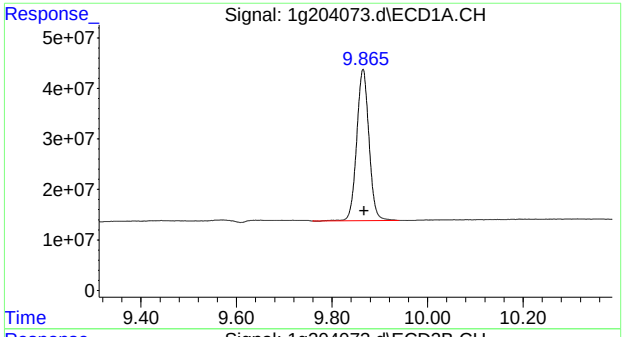
#2 Tetrachloro-m-xylene

R.T.: 2.309 min
Delta R.T.: 0.003 min
Response: 806411062
Conc: 71.72 PPB



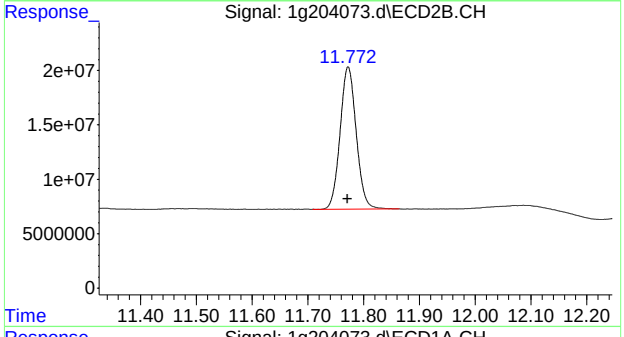
#2 Tetrachloro-m-xylene

R.T.: 2.744 min
Delta R.T.: 0.002 min
Response: 280457179
Conc: 68.53 PPB



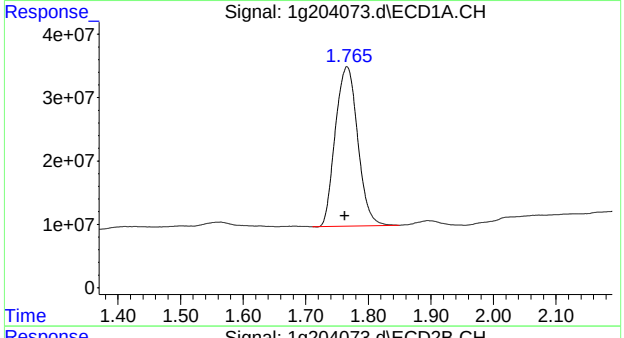
#26 Decachlorobiphenyl

R.T.: 9.865 min
Delta R.T.: -0.002 min
Response: 535760242
Conc: 70.81 PPB



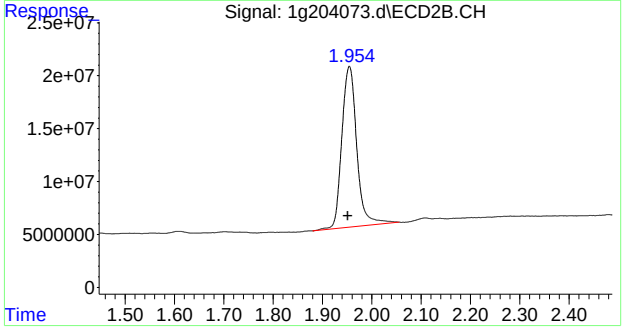
#26 Decachlorobiphenyl

R.T.: 11.772 min
Delta R.T.: 0.001 min
Response: 263019490
Conc: 46.23 PPB



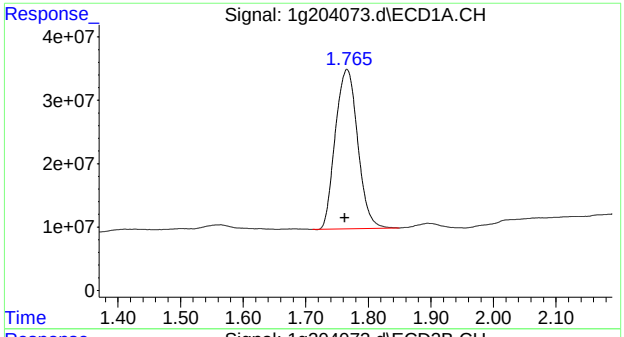
#27 1-bromo-2-nitrobenzeneA

R.T.: 1.766 min
Delta R.T.: 0.003 min
Response: 627029082
Conc: 50.00 PPB



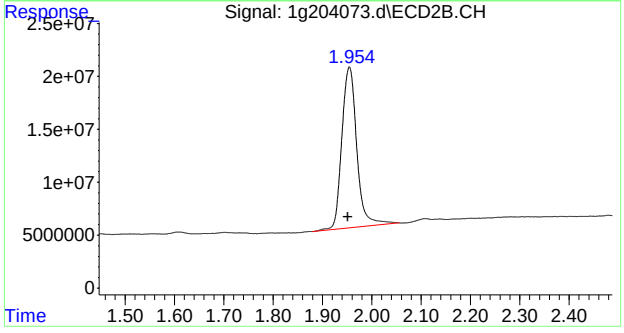
#27 1-bromo-2-nitrobenzeneA

R.T.: 1.955 min
Delta R.T.: 0.003 min
Response: 318879056
Conc: 50.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 1.766 min
Delta R.T.: 0.003 min
Response: 627029082
Conc: 50.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 1.955 min
Delta R.T.: 0.003 min
Response: 318879056
Conc: 50.00 PPB

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3g5279\
Data File : 3G143547.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26-Nov-24, 12:22:43
Operator : kyrac
Sample : op59698a-mb1 (Sig #1); op59698-mb1 (Sig #2)
Misc : op59698a,g3g5279,1000,,,5,1
ALS Vial : 86 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 26 21:38:55 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\carlos\g3g5279\3PCB5271a.M
Quant Title :
QLast Update : Tue Nov 26 11:04:03 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) S	Tetrachlo...	3.312	4.132	561.4E6	1612.0E6	66.922	66.140
	Spiked Amount 40.000			Recovery	=	167.31%	165.35%
51) S	Decachlor...	10.747	12.759	385.9E6	718.8E6	48.317	53.190
	Spiked Amount 40.000			Recovery	=	120.79%	132.97%
	Target Compounds						

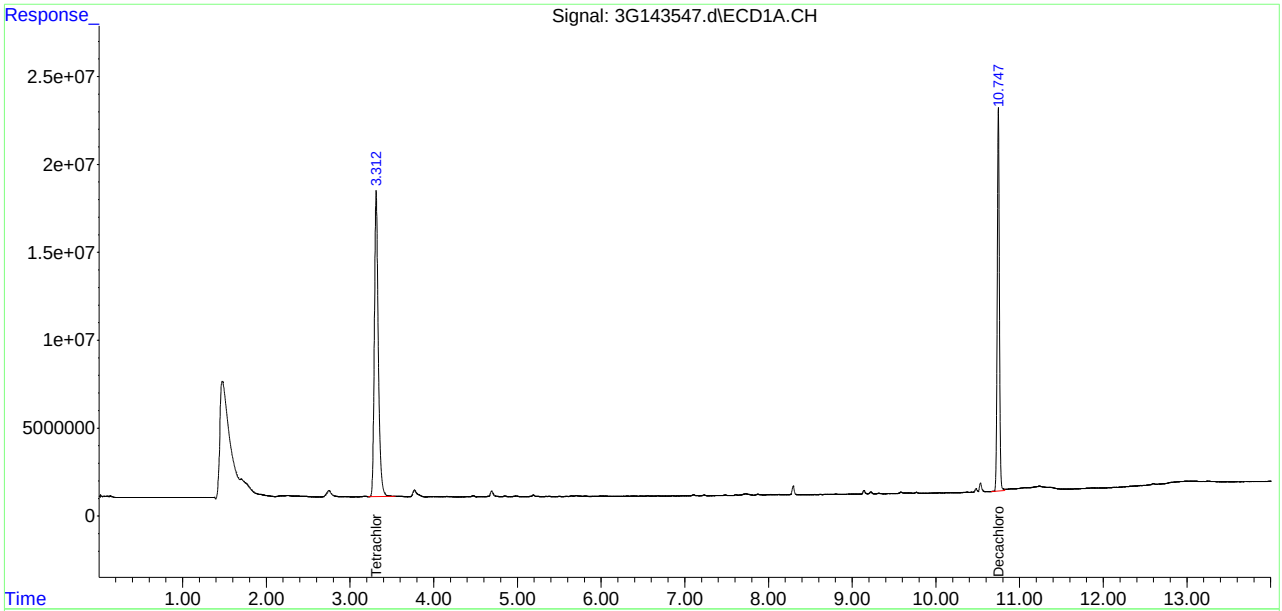
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

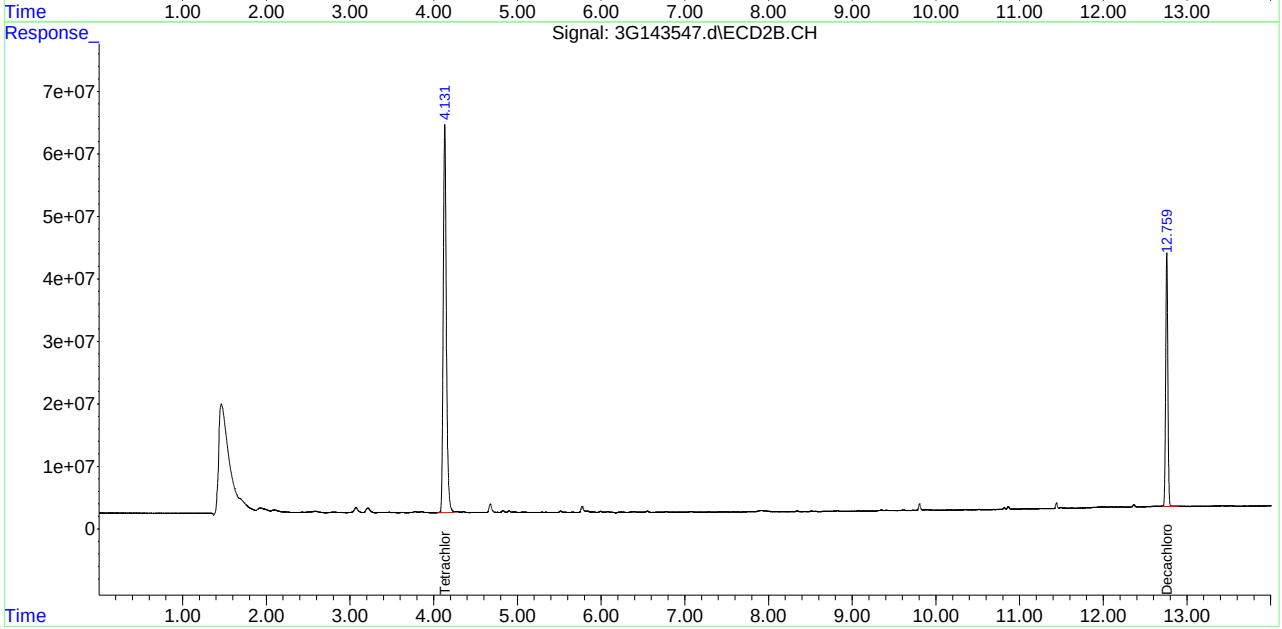
Quantitation Report (QT Reviewed)

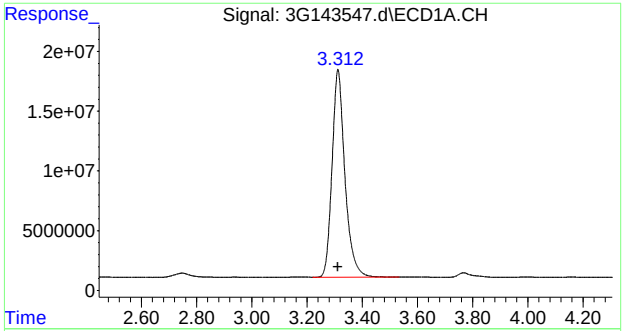
Data Path : C:\msdchem\1\data\g3g5279\
Data File : 3G143547.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26-Nov-24, 12:22:43
Operator : kyrac
Sample : op59698a-mb1 (Sig #1); op59698-mb1 (Sig #2)
Misc : op59698a,g3g5279,1000,,,5,1
ALS Vial : 86 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 26 21:38:55 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\carlos\g3g5279\3PCB5271a.M
Quant Title :
QLast Update : Tue Nov 26 11:04:03 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

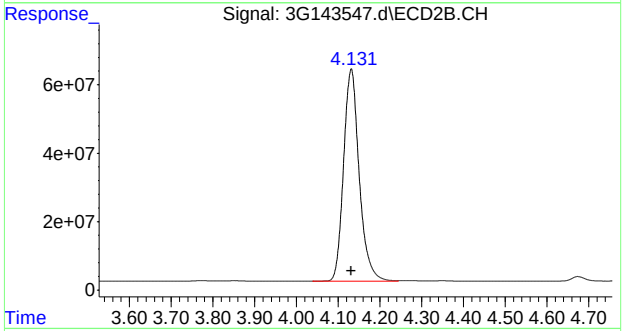






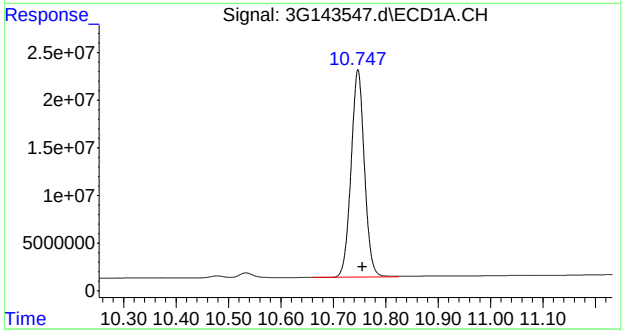
#1 Tetrachloro-m-xylene

R.T.: 3.312 min
Delta R.T.: 0.001 min
Response: 561394140
Conc: 66.92 ppb



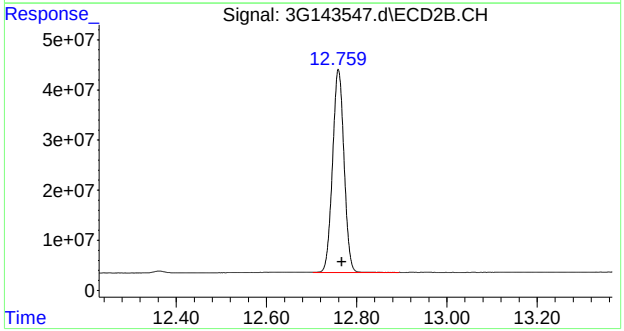
#1 Tetrachloro-m-xylene

R.T.: 4.132 min
Delta R.T.: 0.000 min
Response: 1612041893
Conc: 66.14 ppb



#51 Decachlorobiphenyl

R.T.: 10.747 min
Delta R.T.: -0.008 min
Response: 385866729
Conc: 48.32 ppb



#51 Decachlorobiphenyl

R.T.: 12.759 min
Delta R.T.: -0.008 min
Response: 718839571
Conc: 53.19 ppb

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\1G7222\
Data File : 1g201473.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Oct 2024 11:55 am
Operator : rebeccak
Sample : ic7222-25 (pest mix)
Misc : op58263,g1g7222,1000,,,1,1
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 08 13:24:19 2024
Quant Method : C:\msdchem\1\methods\1PST7222a.M
Quant Title : PEST/PCB
QLast Update : Tue Oct 08 13:17:29 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB	
		Internal Standards							
1)	I	1-bromo-2...	1.776	1.971	855.1E6	309.9E6	50.000	50.000	
27)	I	1-bromo-2...	1.776	1.971	855.1E6	309.9E6	50.000	50.000	
33)	I	1-bromo-2...	1.776	1.971	855.1E6	309.9E6	50.000	50.000	
		System Monitoring Compounds							
2)	SAB	Tetrachlo...	2.321	2.768	369.9E6	95218386	6.201	6.359	
		Spiked Amount 40.000	Range 30 - 150		Recovery =		15.50%#	15.90%#	
26)	SA	Decachlor...	9.899	11.828	280.5E6	138.0E6	6.977	6.222	
		Spiked Amount 40.000			Recovery =		17.44%	15.56%	
		Target Compounds							
3)		Hexachlor...	2.643	3.288	480.3E6	196.4E6	6.068	6.428	
4)	A	alpha-BHC	2.776	3.441	552.9E6	224.5E6	6.180	6.369	
5)	MA	gamma-BHC	3.067	3.888	469.2E6	200.2E6	6.016	6.361	
6)	MA	Heptachlor	3.568	4.493	462.9E6	207.9E6	5.830	6.263	
7)	B	beta-BHC	3.142	3.974	217.6E6	79419968	6.075	6.481	
8)	B	delta-BHC	3.330	4.396	444.3E6	200.1E6	6.320	6.395	
9)	MB	Aldrin	3.910	4.975	403.5E6	193.9E6	5.769	10.631	#
10)		Alachlor	4.033	4.748	54304279	20331379	19.533	28.533	#
11)	B	Heptachlo...	4.636	5.850	363.9E6	179.3E6	5.595	11.187	#
12)	B	gamma-Chl...	4.806	6.156	347.2E6	173.4E6	5.615	11.478	#
13)	B	alpha-Chl...	4.982	6.397	335.2E6	175.7E6	5.555	11.590	#
14)	A	Endosulfan I	5.168	6.507	333.7E6	170.2E6	5.712	6.039	
15)	B	4,4'-DDE	5.095	6.667	294.2E6	160.6E6	4.990	6.222	
16)	MA	Dieldrin	5.508	6.977	320.3E6	178.9E6	5.463	11.331	#
17)	MA	Endrin	5.846	7.527	302.3E6	164.4E6	5.461	11.819	#
18)	A	4,4'-DDD	5.975	7.700	241.4E6	123.9E6	12.188	16.318	#
19)	B	Endosulfa...	6.188	7.909	273.1E6	155.6E6	4.929	6.451	#
20)	MA	4,4'-DDT	6.412	8.273	217.2E6	108.3E6	10.368	17.166	#
21)	B	Endrin Al...	6.846	8.527	197.7E6	114.6E6	11.188	16.683	#
22)	B	Endosulfa...	7.576	9.037	222.7E6	136.7E6	6.005	15.435	#
23)	A	Methoxychlor	7.258	9.587	114.6E6	59224308	5.664	6.042	
24)		Mirex	7.440	9.928	203.0E6	104.1E6	5.478	7.319	#
25)	B	Endrin Ke...	8.056	9.985	269.6E6	146.2E6	6.505	6.101	
		Sum Toxaphene			0	0	N.D.	N.D.	
Average		Toxaphene					0.000	0.000	

SemiQuant Compounds - Not Calibrated on this Instrument

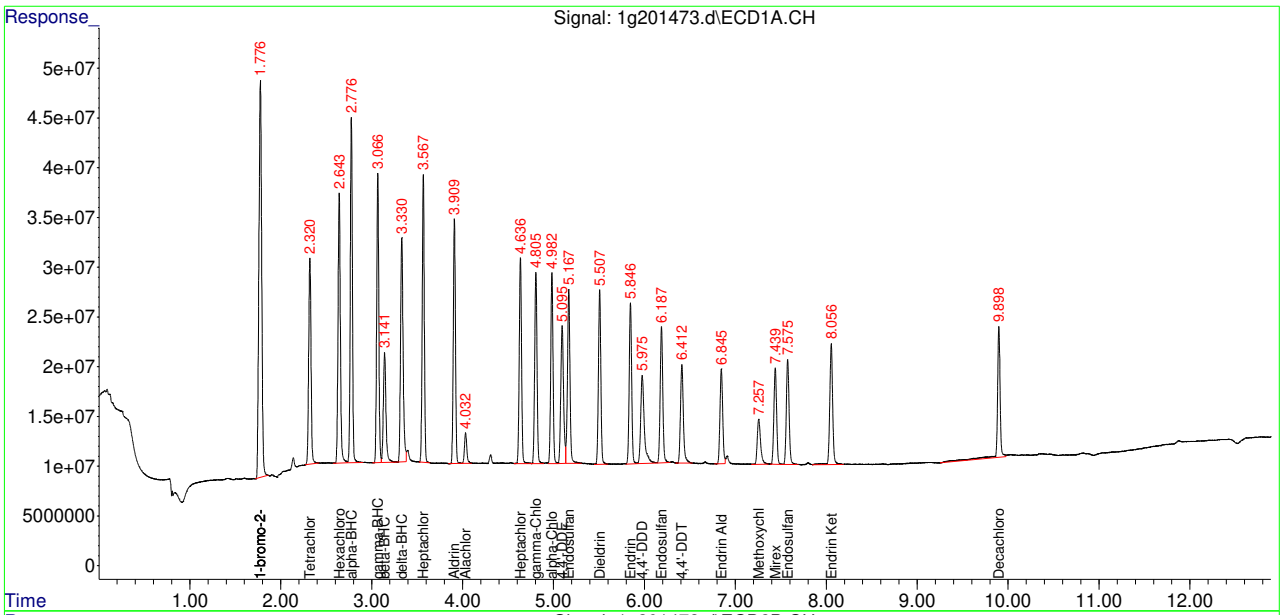
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

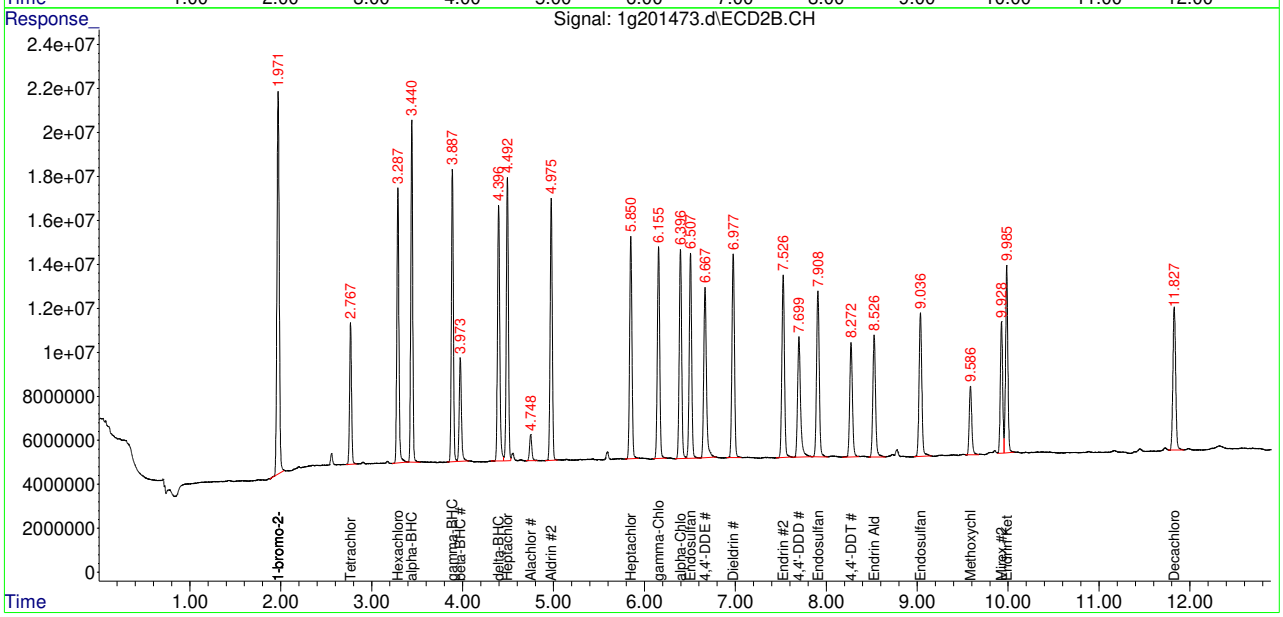
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\1G7222\
Data File : 1g201473.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Oct 2024 11:55 am
Operator : rebeccak
Sample : ic7222-25 (pest mix)
Misc : op58263,g1g7222,1000,,,1,1
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 08 13:24:19 2024
Quant Method : C:\msdchem\1\methods\1PST7222a.M
Quant Title : PEST/PCB
QLast Update : Tue Oct 08 13:17:29 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





Manual Integrations APPROVED
(compounds with "m" flag)
Rebecca Krug
10/08/24 21:11

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\1G7222\
Data File : 1g201477.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Oct 2024 12:58 pm
Operator : rebeccak
Sample : ic7222-500 (chlordane)
Misc : op58263,g1g7222,1000,,,1,1
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 08 14:27:43 2024
Quant Method : C:\msdchem\1\methods\1PST7222a.M
Quant Title : PEST/PCB
QLast Update : Tue Oct 08 14:25:24 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1)	I 1-bromo-2...	1.776	1.972	859.0E6	314.1E6	50.000	50.000
27)	I 1-bromo-2...	1.776	1.972	859.0E6	314.1E6	50.000	50.000
33)	I 1-bromo-2...	1.776	1.972	859.0E6	314.1E6	50.000	50.000
	System Monitoring Compounds						
2)	SAB Tetrachlo...	2.320	2.768	834.9E6	197.0E6	54.205	48.875
	Spiked Amount 40.000	Range 30 - 150		Recovery = 135.51%		122.19%	
26)	SA Decachlor...	9.899	11.824	483.4E6	278.7E6	46.643	49.730
	Spiked Amount 40.000			Recovery = 116.61%		124.33%	
	Target Compounds						
	Sum Toxaphene			0	0	N.D.	N.D.
	Average Toxaphene					0.000	0.000
34)	Chlordane...	3.568	4.492	502.1E6	223.3E6	474.207	566.288
35)	Chlordane...	4.045	5.172	287.9E6	122.1E6	461.429	631.750 #
36)	Chlordane...	4.806	6.154	852.8E6	434.8E6	391.056	587.031m#
37)	Chlordane...	4.976	6.396	1298.2E6	711.3E6	380.074	595.801m#
38)	Chlordane...	6.087	7.988	194.4E6	99402790	365.852	591.555 #
	SemiQuant Compounds - Not Calibrated on this Instrument						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

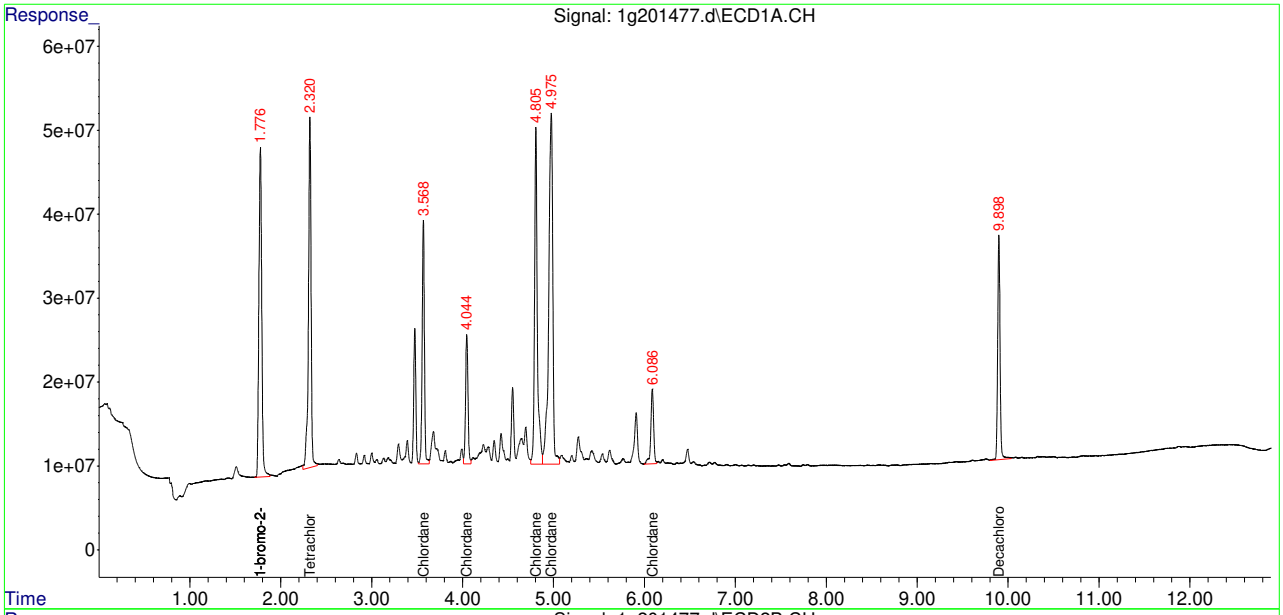
11.3.2 11

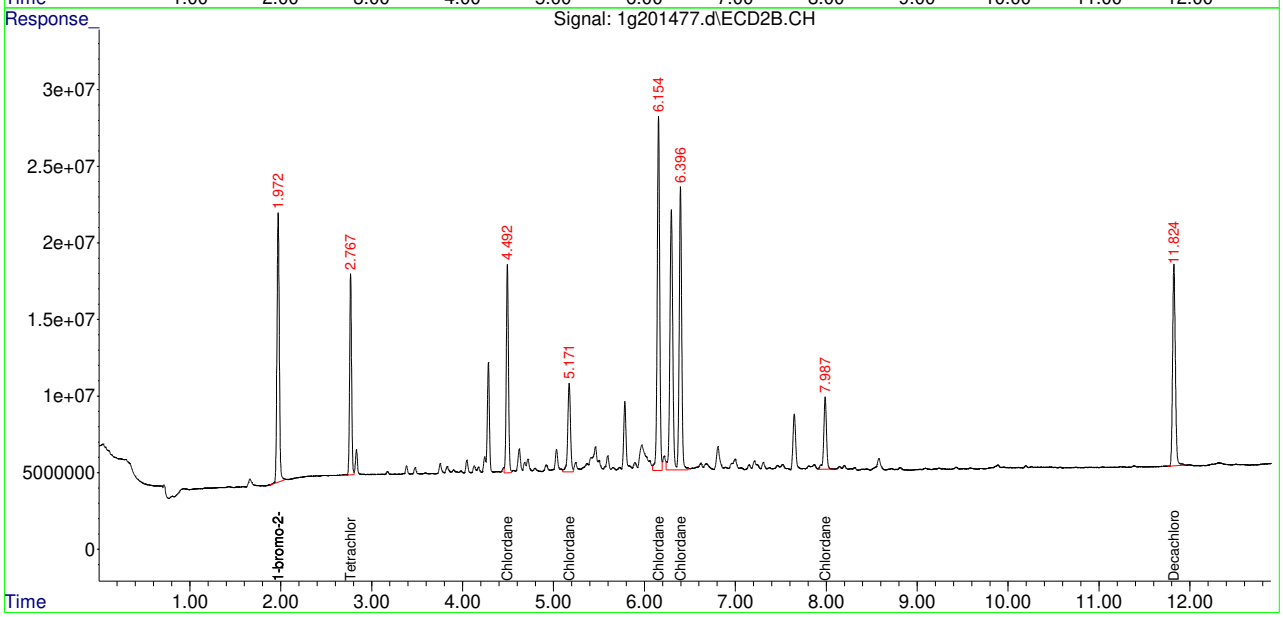
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\1G7222\
Data File : 1g201477.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Oct 2024 12:58 pm
Operator : rebeccak
Sample : ic7222-500 (chlordane)
Misc : op58263,g1g7222,1000,,,1,1
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 08 14:27:43 2024
Quant Method : C:\msdchem\1\methods\1PST7222a.M
Quant Title : PEST/PCB
QLast Update : Tue Oct 08 14:25:24 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug
10/08/24 21:11

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\1G7222\
Data File : 1g201478.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Oct 2024 13:14 pm
Operator : rebeccak
Sample : ic7222-500 (toxaphene)
Misc : op58263,g1g7222,1000,,,1,1
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 08 20:46:12 2024
Quant Method : C:\msdchem\1\methods\1PST7222a.M
Quant Title : PEST/PCB
QLast Update : Tue Oct 08 14:34:46 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1)	I 1-bromo-2...	1.778	1.973	896.7E6	318.6E6	50.000	50.000
27)	I 1-bromo-2...	1.778	1.973	896.7E6	318.6E6	50.000	50.000
33)	I 1-bromo-2...	1.778	1.973	896.7E6	318.6E6	50.000	50.000
	System Monitoring Compounds						
2)	SAB Tetrachlo...	2.323	2.769	787.4E6	196.8E6	48.972	48.132
	Spiked Amount 40.000	Range 30 - 150		Recovery =		122.43%	120.33%
26)	SA Decachlor...	9.899	11.826	479.8E6	277.1E6	44.342	48.747
	Spiked Amount 40.000			Recovery =		110.85%	121.87%
	Target Compounds						
28)	L8 Toxaphene{A}	4.967f	6.934	38333196	32041079	263.643m	901.994m#
29)	L8 Toxaphene{B}	5.640	7.113	74716186	20545877	343.679m	537.557m#
30)	L8 Toxaphene{C}	6.713	8.042	62306218	67665349	310.659m	1765.361m#
31)	L8 Toxaphene{D}	7.250	8.512	96199242	65250282	276.371m	584.071m#
32)	L8 Toxaphene{E}	7.409	9.488	133.8E6	74411296	497.443m	596.000m
	Sum Toxaphene			405.4E6	259.9E6	1691.793	4384.983
Average Toxaphene						338.359	876.997

SemiQuant Compounds - Not Calibrated on this Instrument

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

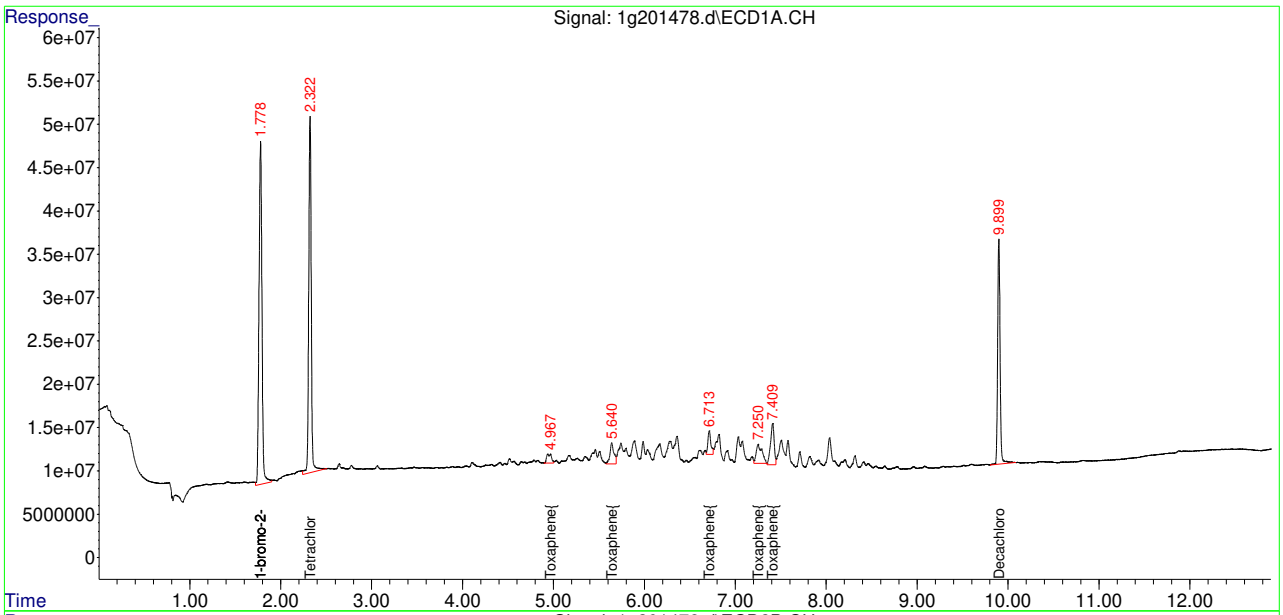
11.3.3 11

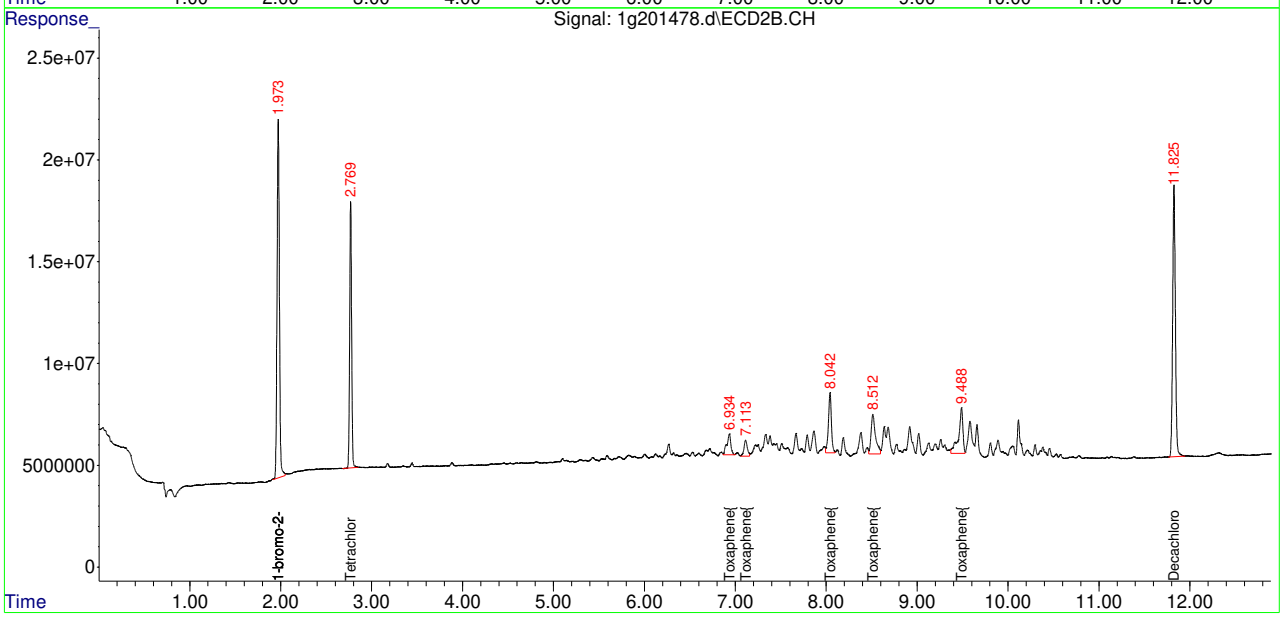
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\1G7222\
Data File : 1g201478.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Oct 2024 13:14 pm
Operator : rebeccak
Sample : ic7222-500 (toxaphene)
Misc : op58263,g1g7222,1000,,,1,1
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 08 20:46:12 2024
Quant Method : C:\msdchem\1\methods\1PST7222a.M
Quant Title : PEST/PCB
QLast Update : Tue Oct 08 14:34:46 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug 11/20/24 13:52

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\3G5271\
Data File : 3G143272.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2024 13:16 pm
Operator : mahalial
Sample : ic5271-1000 (ar1016/1260)
Misc : op59027,g3g5271,1.0,,,10,1
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 06:21:21 2024
Quant Method : C:\msdchem\1\methods\3PCB5271a.M
Quant Title :
QLast Update : Wed Nov 20 06:03:51 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) S	Tetrachlo...	3.315	4.135	320.4E6	930.5E6	54.523	110.724 #
	Spiked Amount 40.000			Recovery	= 136.31%		276.81%
51) S	Decachlor...	10.758	12.771	303.2E6	486.4E6	71.027	66.842m
	Spiked Amount 40.000			Recovery	= 177.57%		167.10%
	Target Compounds						
41)	AR1016-A	3.722	4.836	156.8E6	375.0E6	1642.715	2806.693 #
42)	AR1016-B	4.154	5.421	252.0E6	722.4E6	1407.749	2676.523 #
43)	AR1016-C	4.743	6.087	522.5E6	1550.2E6	1287.956	2496.892m#
44)	AR1016-D	4.915	6.283	219.2E6	607.9E6	1318.969	2578.960 #
45)	AR1016-E	5.449	6.963	228.7E6	475.5E6	1801.903m	2542.861 #
46)	AR1260-A	7.489	9.078	486.9E6	939.4E6	1397.278	2211.096 #
47)	AR1260-B	8.035	9.736	303.9E6	738.0E6	1449.249	2103.356 #
48)	AR1260-C	8.378	10.177	351.1E6	803.2E6	1479.098	2192.057 #
49)	AR1260-D	8.812	10.519	794.5E6	1770.9E6	1530.060	1986.627 #
50)	AR1260-E	9.208	11.072	865.7E6	1775.6E6	1517.776m	1979.221m#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

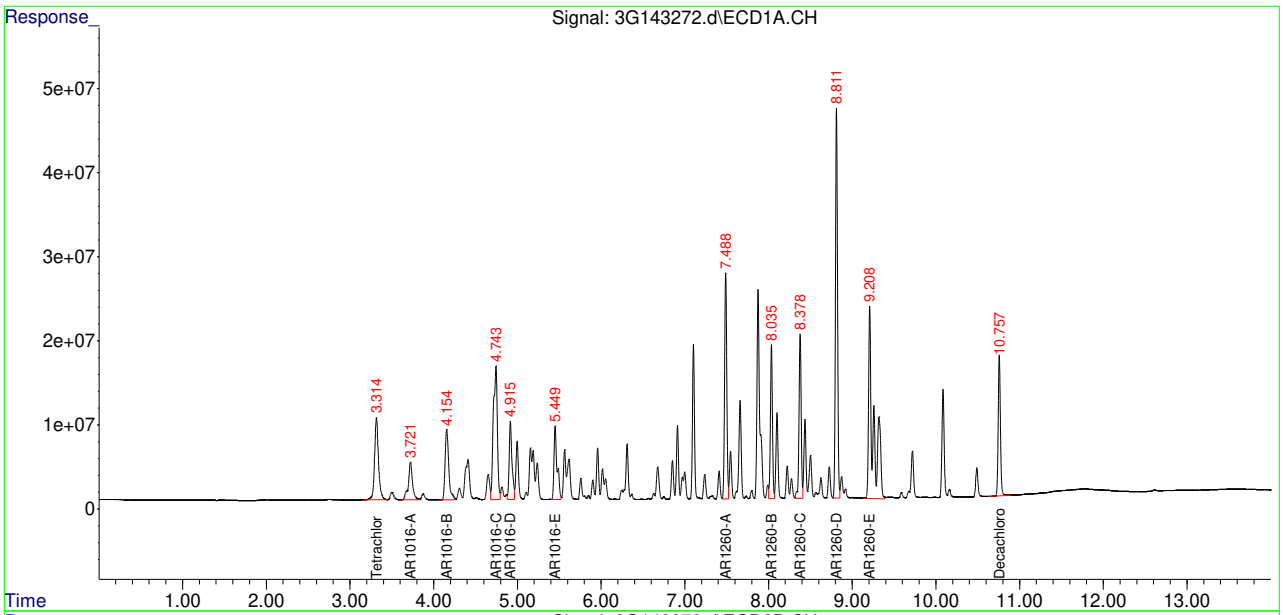
11.3.4 11

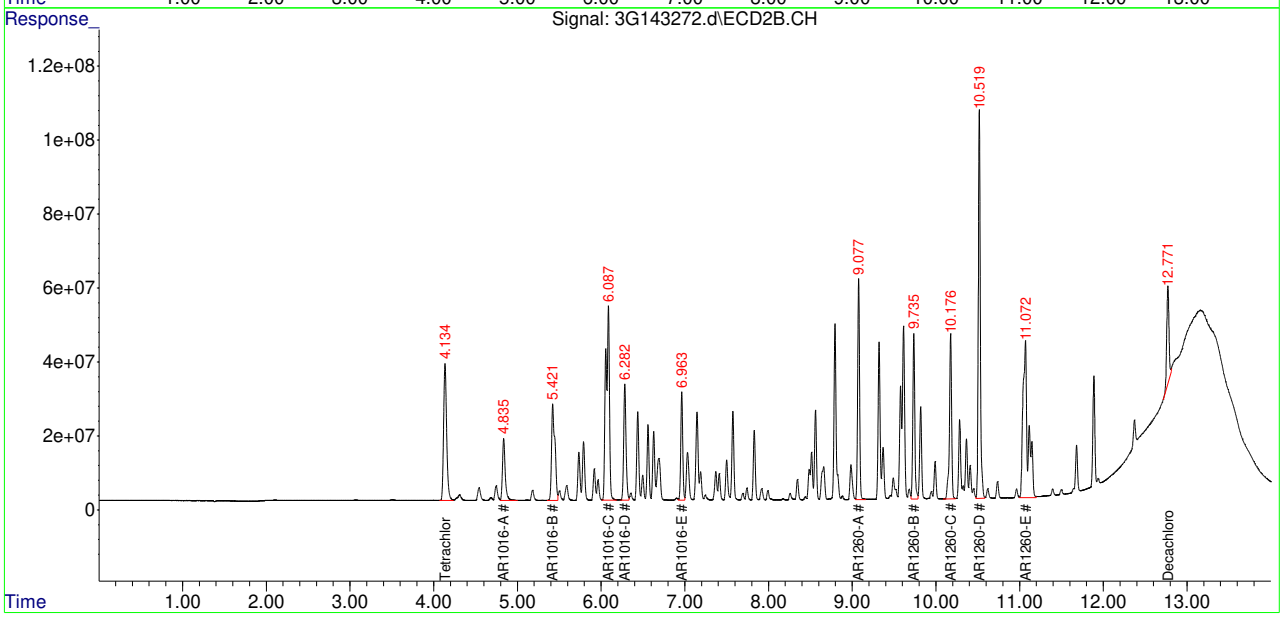
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\3G5271\
Data File : 3G143272.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2024 13:16 pm
Operator : mahalial
Sample : ic5271-1000 (ar1016/1260)
Misc : op59027,g3g5271,1.0,,,10,1
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 06:21:21 2024
Quant Method : C:\msdchem\1\methods\3PCB5271a.M
Quant Title :
QLast Update : Wed Nov 20 06:03:51 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)





Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug 11/20/24 13:52

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\3G5271\
Data File : 3G143277.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2024 14:39 pm
Operator : mahalial
Sample : ic5271-1000 (ar1221)
Misc : op59027,g3g5271,1.0,,,10,1
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 06:43:18 2024
Quant Method : C:\msdchem\1\methods\3PCB5271a.M
Quant Title :
QLast Update : Wed Nov 20 06:41:34 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1)	S Tetrachlo...	3.314	4.134	337.9E6	935.8E6	40.283	38.393
	Spiked Amount 40.000			Recovery	= 100.71%		95.98%
51)	S Decachlor...	10.759	12.771	309.1E6	549.2E6	38.706	40.635m
	Spiked Amount 40.000			Recovery	= 96.77%		101.59%
	Target Compounds						
2)	AR1221-A	2.745	3.499	58257364	153.6E6	1397.092	2949.339 #
3)	AR1221-B	3.499	4.541	86057944	255.4E6	1332.791	2784.929 #
4)	AR1221-C	3.721	4.836	241.9E6	564.1E6	1601.272	2600.683 #
5)	AR1221-D	4.312	5.502f	92711094	198.4E6	2455.652m	2675.853m
6)	AR1221-E	4.744	6.088	46795819	138.6E6	1055.448m	2203.262m#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

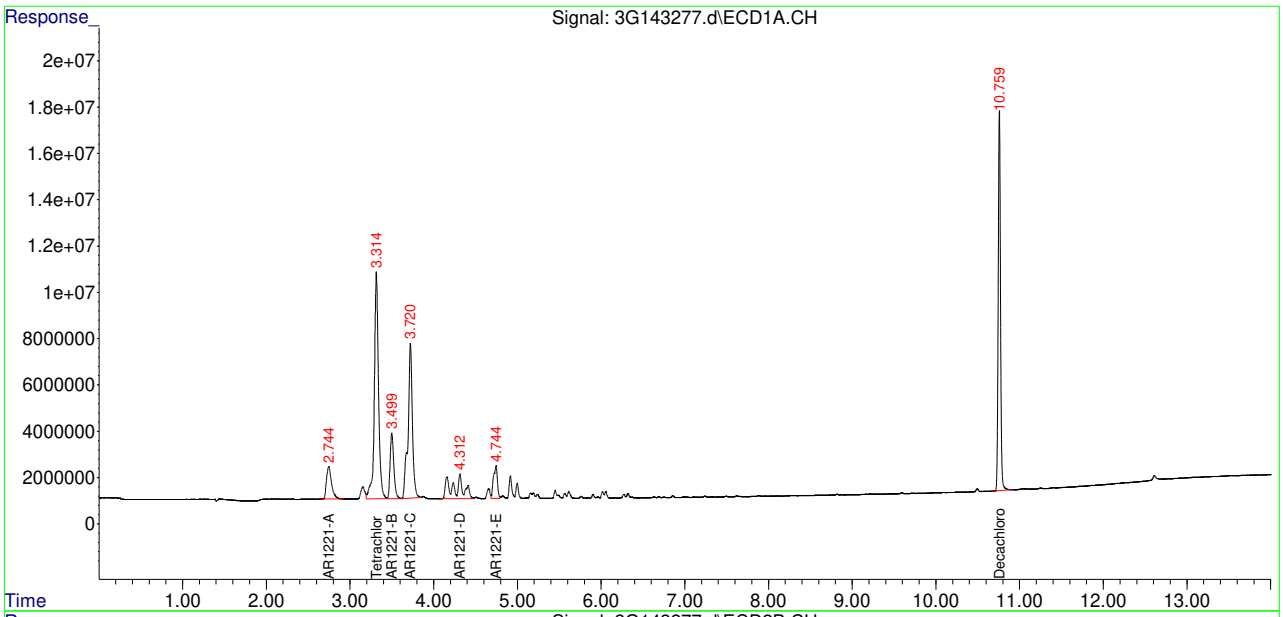
11.3.5 11

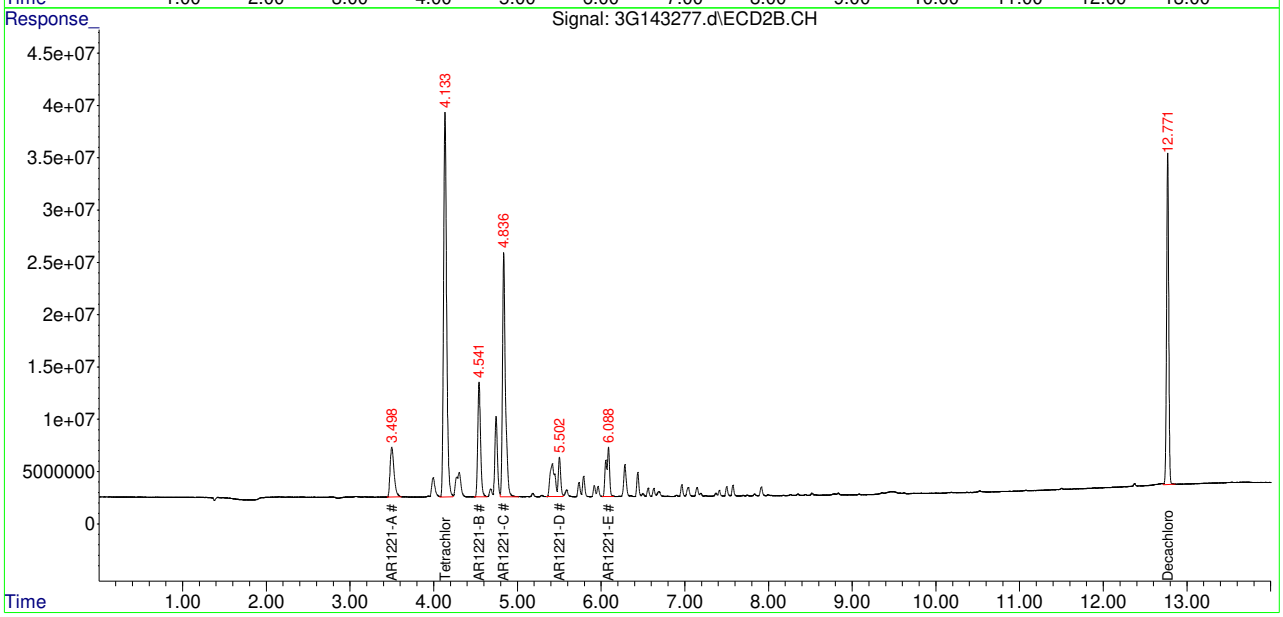
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\3G5271\
Data File : 3G143277.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2024 14:39 pm
Operator : mahalial
Sample : ic5271-1000 (ar1221)
Misc : op59027,g3g5271,1.0,,,10,1
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 06:43:18 2024
Quant Method : C:\msdchem\1\methods\3PCB5271a.M
Quant Title :
QLast Update : Wed Nov 20 06:41:34 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)





Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug 11/20/24 13:52

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\3G5271\
Data File : 3G143278.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2024 14:55 pm
Operator : mahalial
Sample : ic5271-1000 (ar1254)
Misc : op59027,g3g5271,1.0,,,10,1
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 06:47:30 2024
Quant Method : C:\msdchem\1\methods\3PCB5271a.M
Quant Title :
QLast Update : Wed Nov 20 06:45:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) S	Tetrachlo...	3.316	4.134	316.6E6	949.5E6	37.746	38.956
	Spiked Amount 40.000			Recovery	=	94.37%	97.39%
51) S	Decachlor...	10.759	12.769	312.1E6	555.8E6	39.085	41.127m
	Spiked Amount 40.000			Recovery	=	97.71%	102.82%
	Target Compounds						
24)	AR1254-A	5.959	7.574	223.4E6	677.2E6	1297.547	2295.908 #
25)	AR1254-B	6.311	7.831	315.1E6	755.9E6	1283.187	2320.549 #
26)	AR1254-C	6.686	8.347	260.0E6	629.0E6	1301.649	2358.064 #
27)	AR1254-D	6.853	8.516	457.7E6	1162.1E6	1297.282	2291.776 #
28)	AR1254-E	7.236	8.830	343.0E6	801.2E6	1284.886	2070.851 #
29)	AR1254-F	7.491	9.321	312.6E6	949.4E6	1325.493	4301.216m#
30)	AR1254-G	7.877	9.615	493.9E6	843.4E6	1345.367	2097.042 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

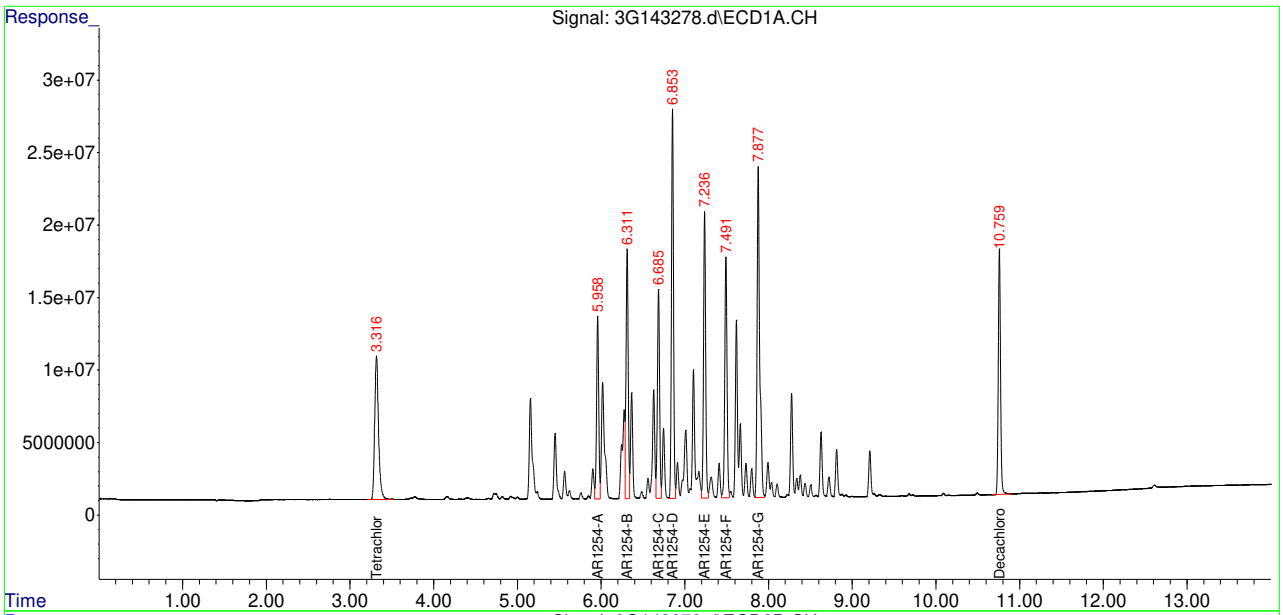
11.3.6 11

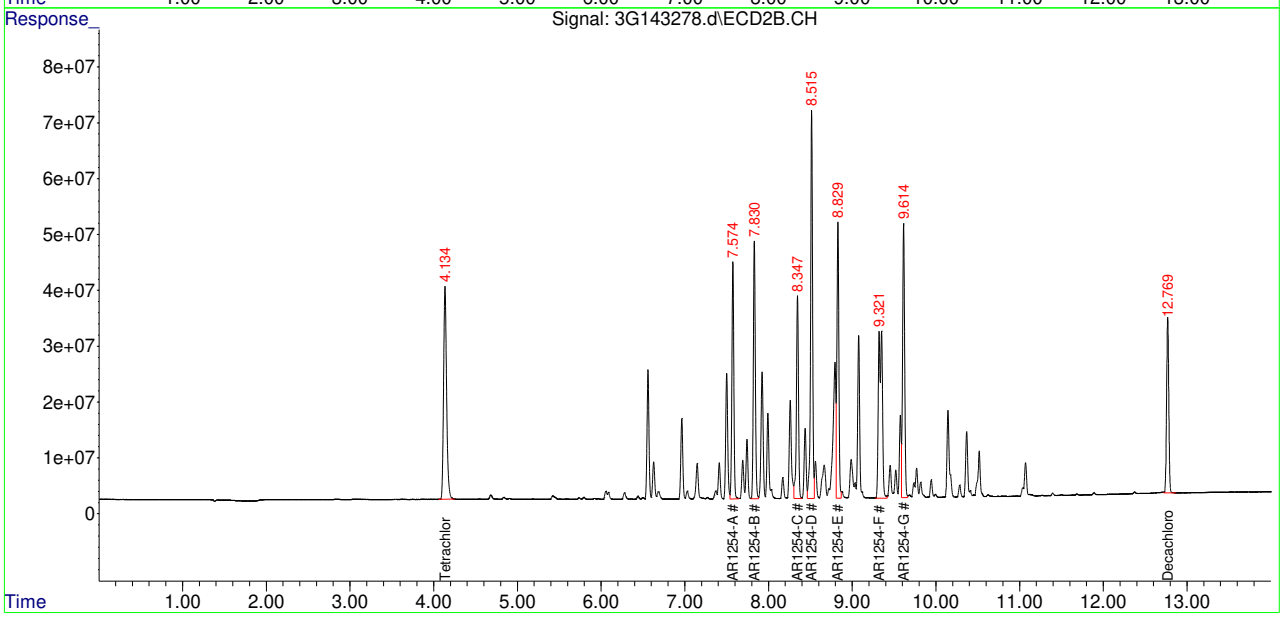
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\3G5271\
Data File : 3G143278.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2024 14:55 pm
Operator : mahalial
Sample : ic5271-1000 (ar1254)
Misc : op59027,g3g5271,1.0,,,10,1
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 06:47:30 2024
Quant Method : C:\msdchem\1\methods\3PCB5271a.M
Quant Title :
QLast Update : Wed Nov 20 06:45:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)





Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug
11/20/24 13:52

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\3G5271\
Data File : 3G143279.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2024 15:12 pm
Operator : mahalial
Sample : ic5271-1000 (ar1232)
Misc : op59027,g3g5271,1.0,,,10,1
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 06:51:41 2024
Quant Method : C:\msdchem\1\methods\3PCB5271a.M
Quant Title :
QLast Update : Wed Nov 20 06:50:24 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) S	Tetrachlo...	3.315	4.134	330.1E6	925.3E6	39.355	37.962
	Spiked Amount 40.000			Recovery	=	98.39%	94.91%
51) S	Decachlor...	10.759	12.769	306.3E6	547.0E6	38.356	40.474m
	Spiked Amount 40.000			Recovery	=	95.89%	101.18%
	Target Compounds						
7)	AR1232-A	3.722	4.836	197.5E6	456.6E6	1669.702	2722.349 #
8)	AR1232-B	4.154	5.420	116.2E6	368.8E6	1301.903	2653.058 #
9)	AR1232-C	4.744	6.086	243.8E6	720.1E6	1274.949	2522.853m#
10)	AR1232-D	4.915	6.282	104.7E6	287.9E6	1285.001	2548.363 #
11)	AR1232-E	5.448	6.963	100.7E6	197.8E6	1796.792m	2482.366 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

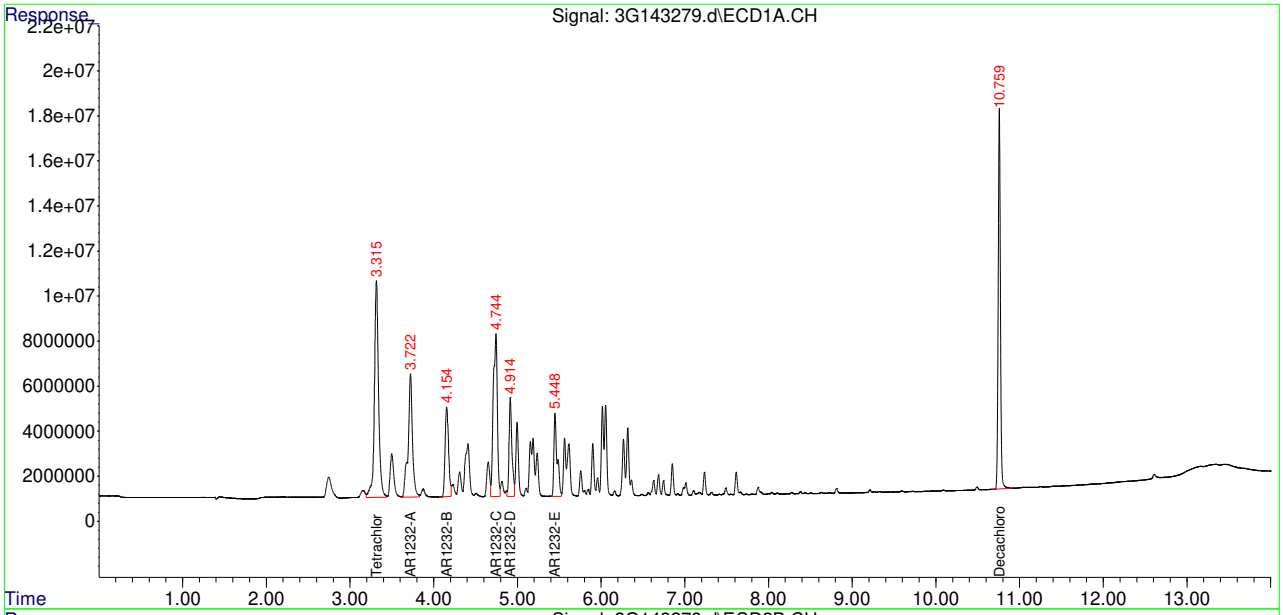
11.3.7 11

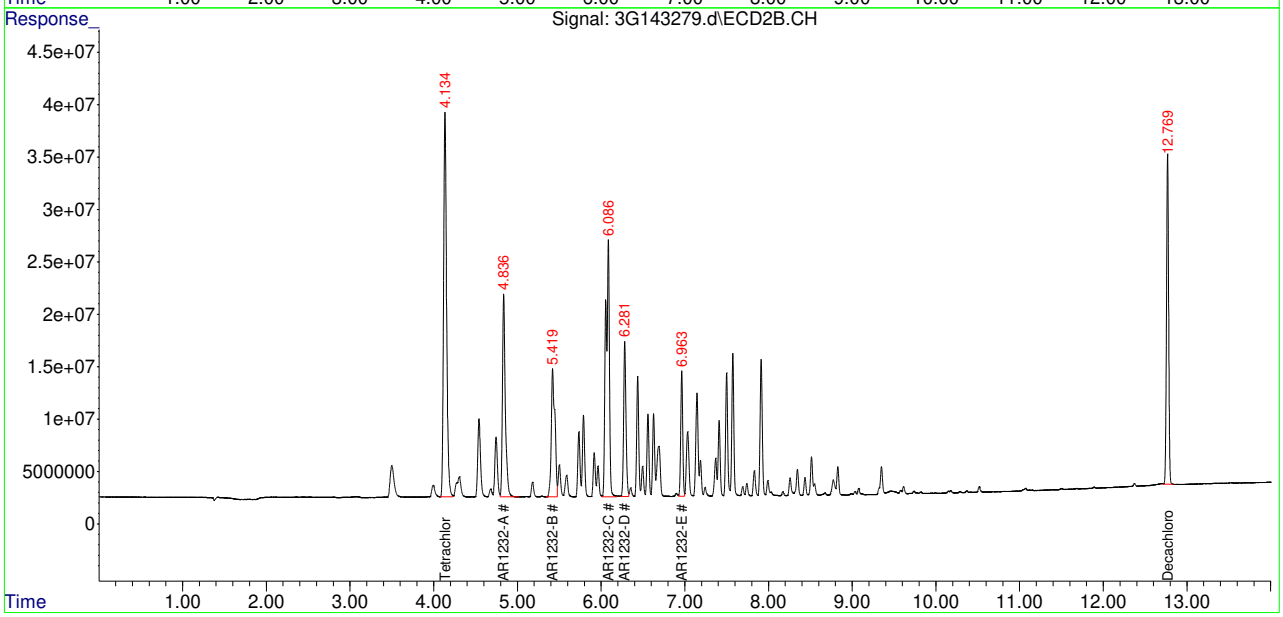
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\3G5271\
Data File : 3G143279.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2024 15:12 pm
Operator : mahalial
Sample : ic5271-1000 (ar1232)
Misc : op59027,g3g5271,1.0,,,10,1
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 06:51:41 2024
Quant Method : C:\msdchem\1\methods\3PCB5271a.M
Quant Title :
QLast Update : Wed Nov 20 06:50:24 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)





Manual Integrations APPROVED
(compounds with "m" flag)
Rebecca Krug
11/20/24 13:52

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\3G5271\
Data File : 3G143280.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2024 15:29 pm
Operator : mahalial
Sample : ic5271-1000 (ar1262)
Misc : op59027,g3g5271,1.0,,,10,1
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 06:54:44 2024
Quant Method : C:\msdchem\1\methods\3PCB5271a.M
Quant Title :
QLast Update : Wed Nov 20 06:53:39 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
	System Monitoring Compounds							
1)	S Tetrachlo...	3.315	4.133	309.4E6	930.1E6	36.879	38.160	
	Spiked Amount 40.000			Recovery	=	92.20%	95.40%	
51)	S Decachlor...	10.759	12.769	307.0E6	552.6E6	38.436	40.886	
	Spiked Amount 40.000			Recovery	=	96.09%	102.22%	
	Target Compounds							
31)	AR1262-A	7.488	9.078	370.4E6	757.7E6	1378.809	2207.564	#
32)	AR1262-B	8.036	9.736	472.1E6	1056.9E6	1459.394	2073.964	#
33)	AR1262-C	8.379	10.177	460.9E6	954.9E6	1460.038	2163.887	#
34)	AR1262-D	8.813	10.519	971.8E6	2030.4E6	1503.017	2025.573	#
35)	AR1262-E	9.259	11.046	1140.1E6	2316.3E6	1536.478m	1983.826m	#

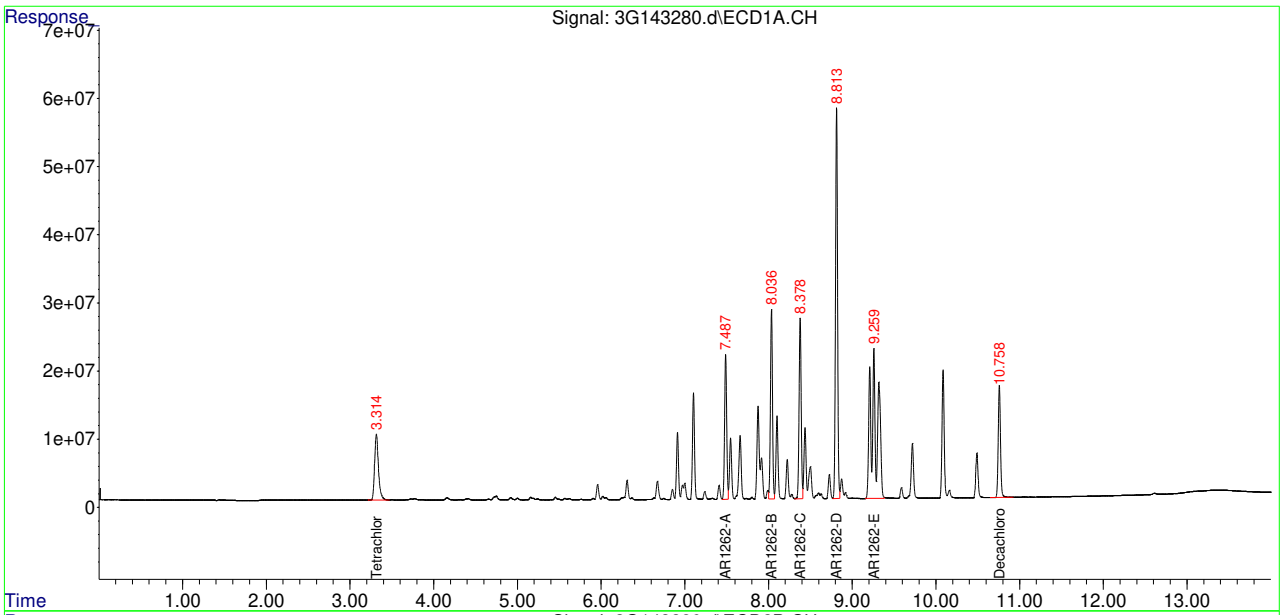
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

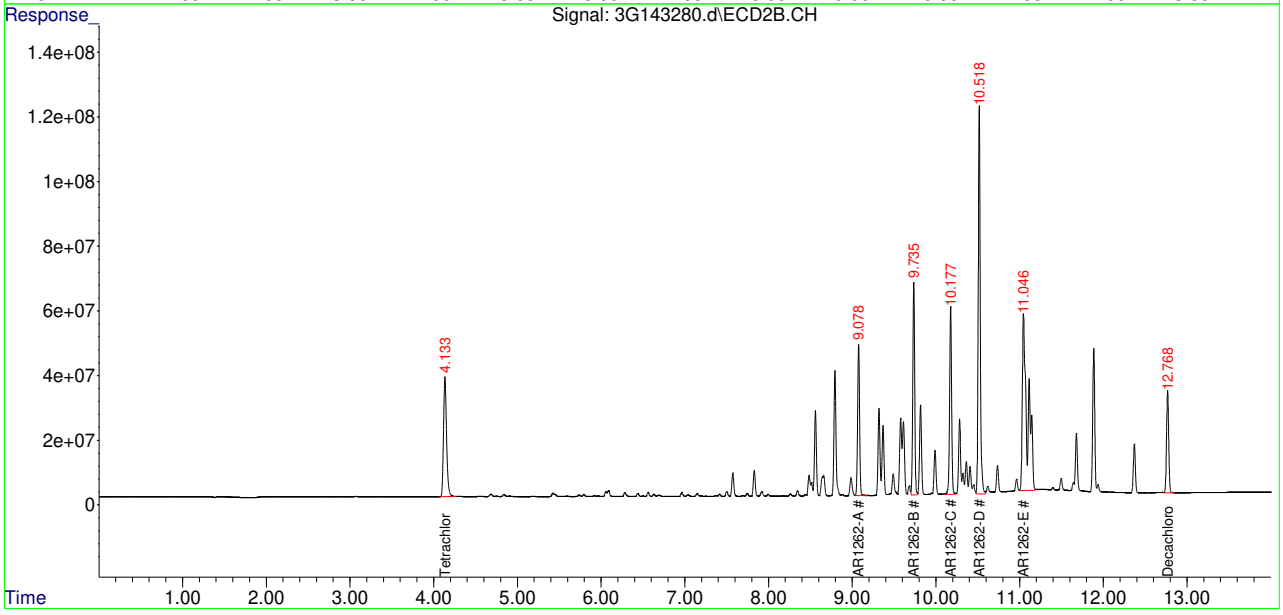
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\3G5271\
Data File : 3G143280.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2024 15:29 pm
Operator : mahalial
Sample : ic5271-1000 (ar1262)
Misc : op59027,g3g5271,1.0,,,10,1
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 06:54:44 2024
Quant Method : C:\msdchem\1\methods\3PCB5271a.M
Quant Title :
QLast Update : Wed Nov 20 06:53:39 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)





Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug 11/20/24 13:52

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\3G5271\
Data File : 3G143281.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2024 15:45 pm
Operator : mahalial
Sample : ic5271-1000 (ar1242)
Misc : op59027,g3g5271,1.0,,,10,1
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 06:57:28 2024
Quant Method : C:\msdchem\1\methods\3PCB5271a.M
Quant Title :
QLast Update : Wed Nov 20 06:56:03 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) S	Tetrachlo...	3.315	4.135	319.6E6	936.3E6	38.102	38.415
	Spiked Amount 40.000			Recovery	=	95.25%	96.04%
51) S	Decachlor...	10.759	12.768	304.8E6	547.2E6	38.163	40.491m
	Spiked Amount 40.000			Recovery	=	95.41%	101.23%
	Target Compounds						
12)	AR1242-A	4.154	5.420	215.6E6	615.6E6	1383.165	2620.854 #
13)	AR1242-B	4.744	6.087	441.0E6	1296.4E6	1276.155	2529.932m#
14)	AR1242-C	4.915	6.282	186.2E6	511.6E6	1292.182	2584.754 #
15)	AR1242-D	5.450	6.964	194.1E6	393.9E6	1791.195m	2526.978 #
16)	AR1242-E	6.054	7.574	148.3E6	456.8E6	1279.765	2381.626 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

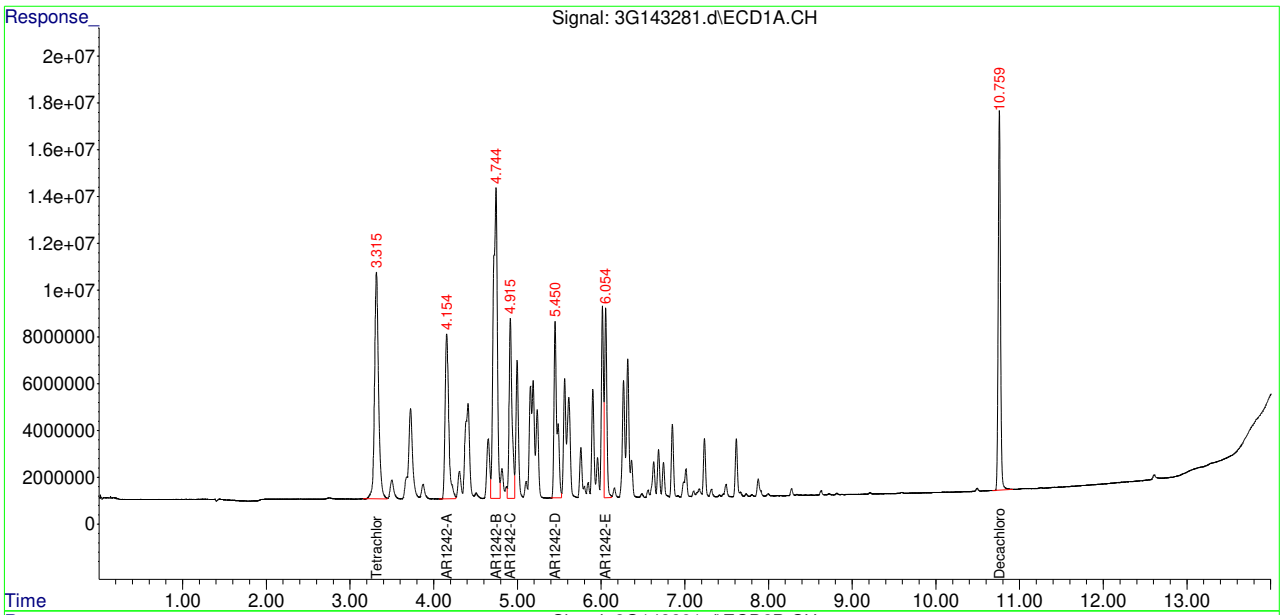
11.3.9 11

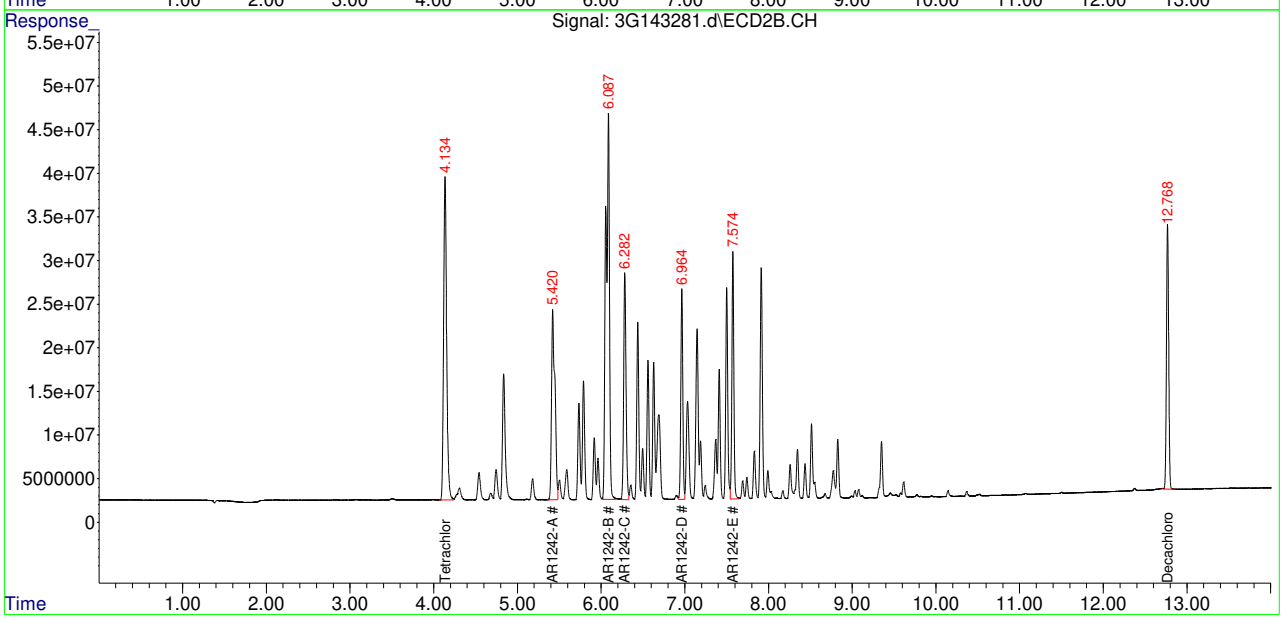
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\3G5271\
Data File : 3G143281.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2024 15:45 pm
Operator : mahalial
Sample : ic5271-1000 (ar1242)
Misc : op59027,g3g5271,1.0,,,10,1
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 06:57:28 2024
Quant Method : C:\msdchem\1\methods\3PCB5271a.M
Quant Title :
QLast Update : Wed Nov 20 06:56:03 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\3G5271\
Data File : 3G143282.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2024 16:02 pm
Operator : mahalial
Sample : ic5271-1000 (ar1268)
Misc : op59027,g3g5271,1.0,,,10,1
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 07:00:04 2024
Quant Method : C:\msdchem\1\methods\3PCB5271a.M
Quant Title :
QLast Update : Wed Nov 20 06:59:16 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) S	Tetrachlo...	3.314	4.134	306.9E6	938.4E6	36.582	38.503
	Spiked Amount 40.000			Recovery	=	91.45%	96.26%
51) S	Decachlor...	10.758	12.770	891.3E6	1599.1E6	111.605	118.323
	Spiked Amount 40.000			Recovery	=	279.01%	295.81%
	Target Compounds						
36)	AR1268-A	9.261	11.047	1063.9E6	2333.2E6	1485.102	1896.721 #
37)	AR1268-B	9.315	11.116	1056.6E6	2240.0E6	1538.576	1887.331
38)	AR1268-C	9.589	11.497	912.6E6	1910.9E6	1614.663	1874.153
39)	AR1268-D	10.086	11.887	380.8E6	802.0E6	1539.808	1881.274
40)	AR1268-E	10.490	12.373	2928.4E6	5630.4E6	1641.195	1789.849

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

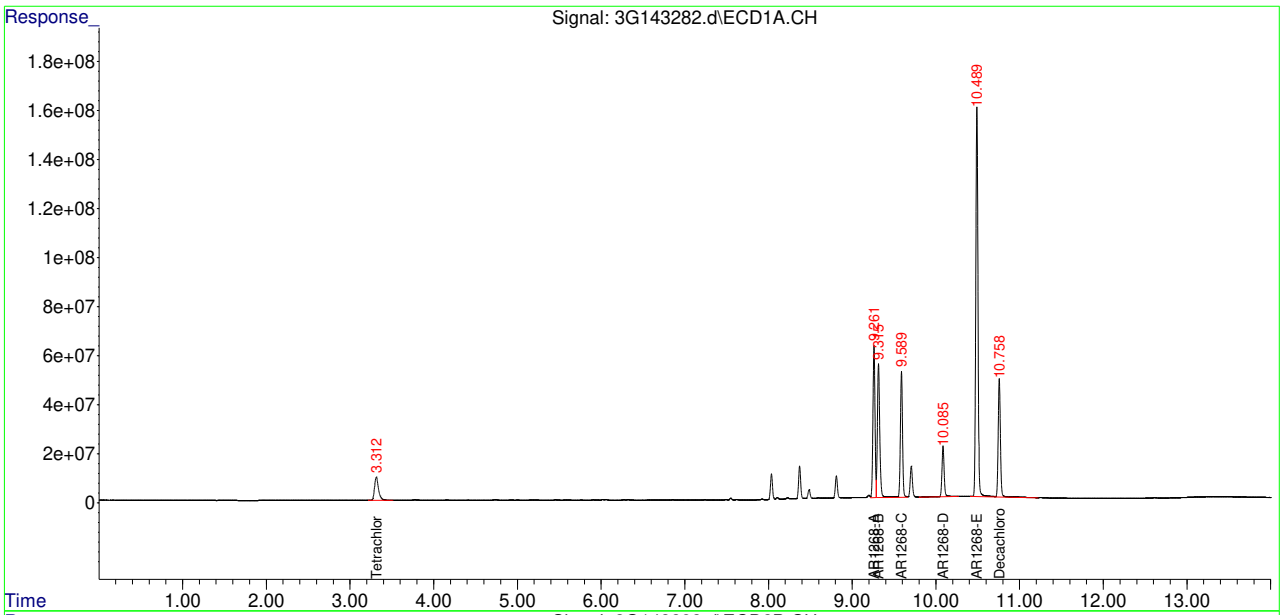
11.3.10 11

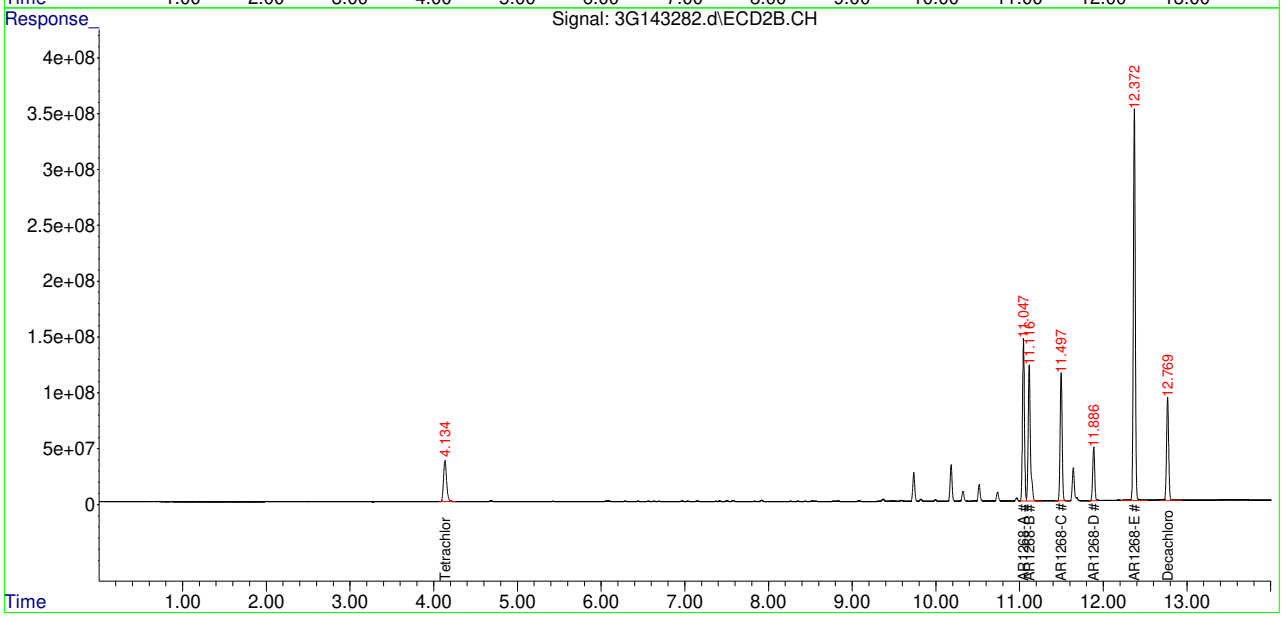
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\3G5271\
Data File : 3G143282.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2024 16:02 pm
Operator : mahalial
Sample : ic5271-1000 (ar1268)
Misc : op59027,g3g5271,1.0,,,10,1
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 07:00:04 2024
Quant Method : C:\msdchem\1\methods\3PCB5271a.M
Quant Title :
QLast Update : Wed Nov 20 06:59:16 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)





Manual Integrations APPROVED
(compounds with "m" flag)
Rebecca Krug
11/20/24 13:52

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\3G5271\
Data File : 3G143283.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2024 16:18 pm
Operator : mahalial
Sample : ic5271-1000 (ar1248)
Misc : op59027,g3g5271,1.0,,,10,1
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 07:03:05 2024
Quant Method : C:\msdchem\1\methods\3PCB5271a.M
Quant Title :
QLast Update : Wed Nov 20 07:01:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) S	Tetrachlo...	3.314	4.133	306.8E6	931.7E6	36.577	38.227
	Spiked Amount 40.000			Recovery	=	91.44%	95.57%
51) S	Decachlor...	10.758	12.769	304.3E6	561.4E6	38.103	41.543
	Spiked Amount 40.000			Recovery	=	95.26%	103.86%
	Target Compounds						
17)	AR1248-A	4.151	5.419	107.8E6	317.8E6	1477.345	3011.512 #
18)	AR1248-B	4.742	6.086	289.1E6	859.9E6	1414.095m	2850.348m#
19)	AR1248-C	5.154	6.560	165.7E6	492.6E6	1415.469	2800.888 #
20)	AR1248-D	5.449	6.963	238.4E6	651.8E6	1467.053	2757.975 #
21)	AR1248-E	5.563	7.145	166.5E6	622.2E6	1476.201	2786.515 #
22)	AR1248-F	6.053	7.574	252.2E6	837.1E6	1437.143	2645.648 #
23)	AR1248-G	6.317	7.914	229.3E6	824.5E6	1436.948	2685.377 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

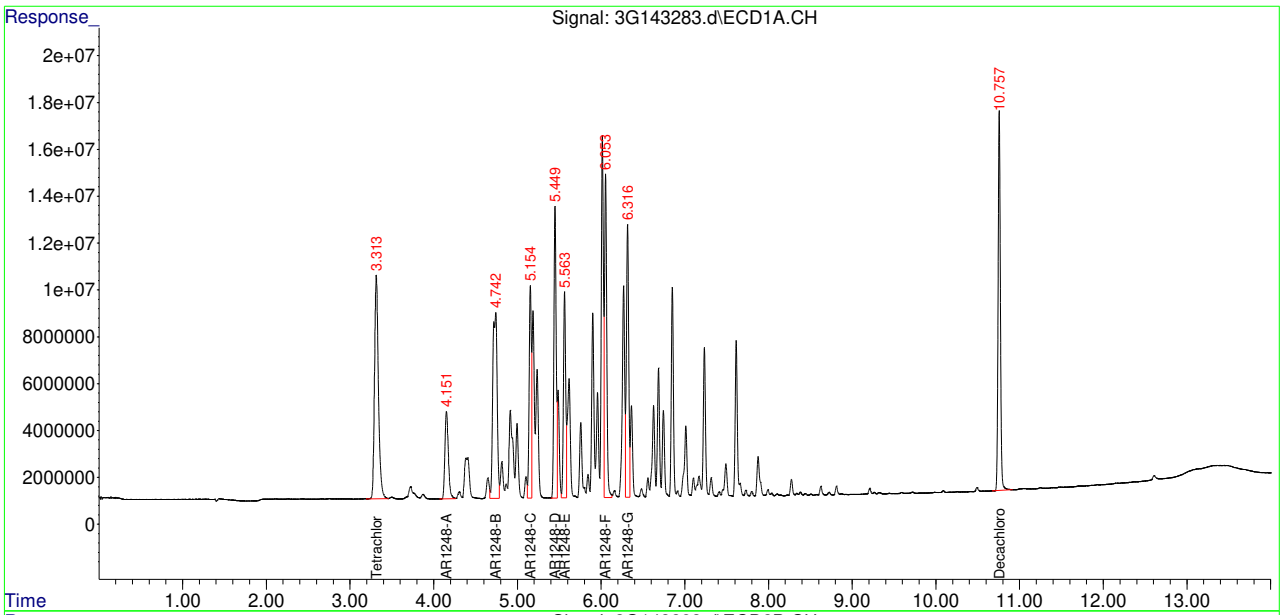
11.3.11 11

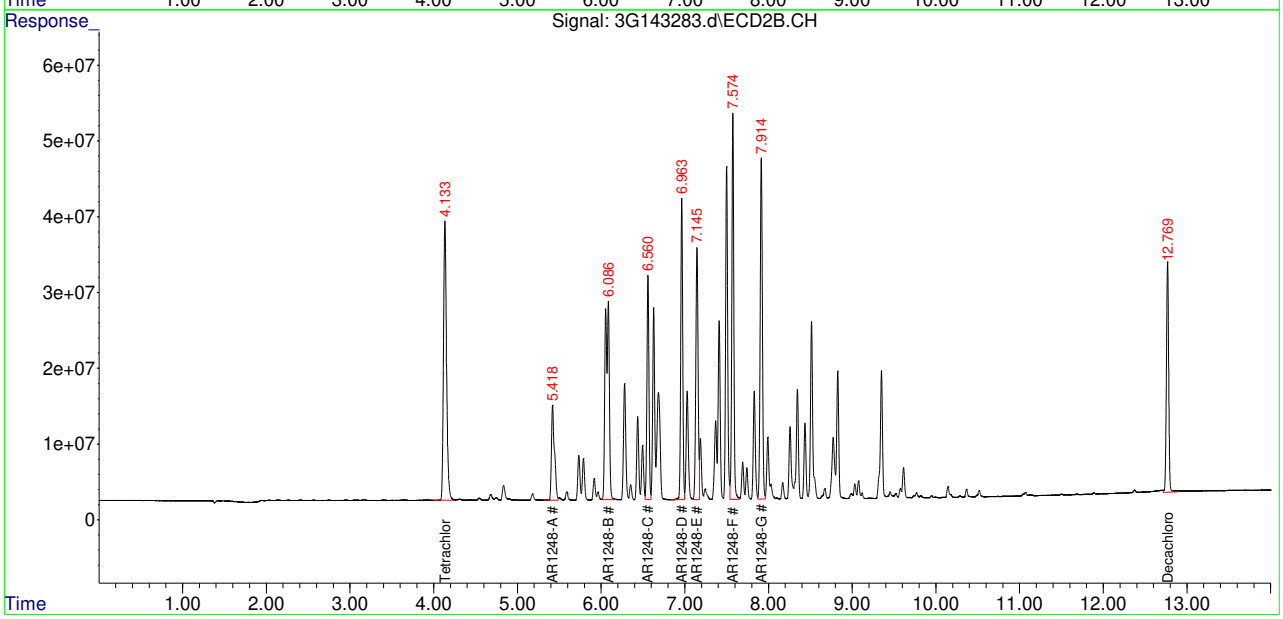
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\3G5271\
Data File : 3G143283.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2024 16:18 pm
Operator : mahalial
Sample : ic5271-1000 (ar1248)
Misc : op59027,g3g5271,1.0,,,10,1
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 07:03:05 2024
Quant Method : C:\msdchem\1\methods\3PCB5271a.M
Quant Title :
QLast Update : Wed Nov 20 07:01:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)





Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H9112724W1.CSV Date Analyzed: 11/27/24 Methods: SW846 7470A
Analyst: MK Run ID: MA57386
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:33	MA57386-STD1	1		b=2.6554e-004,c=7.2445e-002,rho=0.9999537
11:35	MA57386-STD2	1		STDB
11:36	MA57386-STD3	1		STDC
11:38	MA57386-STD4	1		STDD
11:39	MA57386-STD5	1		STDE
11:41	MA57386-STD6	1		STDF
11:45	MA57386-STD7	1		STDC
11:46	MA57386-STD8	1		STDD
11:48	ZZZZZZ	1		
11:50	MA57386-ICV1	1		
11:55	MA57386-ICB1	1		
11:56	MA57386-CCV1	1		
11:58	MA57386-CCB1	1		
12:00	MA57386-CRI1	1		
12:01	MP51190-MB1	1		
12:03	MP51190-B1	1		
12:04	MP51190-S1	1		
12:06	MP51190-S2	1		
12:08	JE1208-1	1		(sample used for QC only; not part of login JE1296)
12:10	ZZZZZZ	1		
12:11	ZZZZZZ	1		
12:25	MA57386-CCV2	1		
12:27	MA57386-CCB2	1		
12:29	JE1296-12	1		
12:30	ZZZZZZ	1		
12:32	ZZZZZZ	1		
12:33	ZZZZZZ	1		
12:35	ZZZZZZ	1		
12:36	ZZZZZZ	1		
12:38	ZZZZZZ	1		
12:39	MA57386-CCV3	1		
12:40	MA57386-CCB3	1		
12:42	MP51191-MB1	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H9112724W1.CSV Date Analyzed: 11/27/24 Methods: SW846 7470A
Analyst: MK Run ID: MA57386
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:44	MP51191-LB1	1		
12:45	MP51191-B1	1		
12:46	MP51191-B2	1		
12:48	MP51191-LS1	1		
12:50	MP51191-S1	1		
12:52	MP51191-S2	1		
12:53	JE1278-1	1		(sample used for QC only; not part of login JE1296)
12:55	MA57386-CCV4	1		
12:57	MA57386-CCB4	1		
12:59	ZZZZZZ	1		
13:00	ZZZZZZ	1		
13:01	ZZZZZZ	1		
13:03	ZZZZZZ	1		
13:04	ZZZZZZ	1		
13:06	ZZZZZZ	1		
13:07	ZZZZZZ	1		
13:08	MA57386-CCV5	1		
13:10	MA57386-CCB5	1		
13:12	MP51190-MB1	1		
13:13	MP51190-B1	1		
13:15	MP51190-S1	1		
13:16	MP51190-S2	1		
---------->	Last reportable sample/prep for job JE1296			
13:18	ZZZZZZ	20		
13:21	MA57386-CCV6	1		
13:23	MA57386-CCB6	1		
---------->	Last reportable CCB for job JE1296			

Refer to raw data for calibration curve and standards.

REPORTED ELEMENTS SUMMARY

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H9112724W1.CSV Date Analyzed: 11/27/24 Methods: SW846 7470A
Analyst: MK Run ID: MA57386
Parameters: Hg

Time	Sample Description	Element: Dilution	Hg	
11:48	ZZZZZZ	1		
11:50	MA57386-ICV1	1	X	
11:55	MA57386-ICB1	1	X	
11:56	MA57386-CCV1	1	X	
11:58	MA57386-CCB1	1	X	
12:00	MA57386-CRI1	1	X	
12:01	MP51190-MB1	1		
12:03	MP51190-B1	1		
12:04	MP51190-S1	1		
12:06	MP51190-S2	1		
12:08	JE1208-1	1	X	(a)
12:10	ZZZZZZ	1		
12:11	ZZZZZZ	1		
12:25	MA57386-CCV2	1	X	
12:27	MA57386-CCB2	1	X	
12:29	JE1296-12	1	X	
12:30	ZZZZZZ	1		
12:32	ZZZZZZ	1		
12:33	ZZZZZZ	1		
12:35	ZZZZZZ	1		
12:36	ZZZZZZ	1		
12:38	ZZZZZZ	1		
12:39	MA57386-CCV3	1	X	
12:40	MA57386-CCB3	1	X	
12:42	MP51191-MB1	1	X	
12:44	MP51191-LB1	1		
12:45	MP51191-B1	1	X	
12:46	MP51191-B2	1	X	
12:48	MP51191-LS1	1	X	
12:50	MP51191-S1	1	X	
12:52	MP51191-S2	1	X	
12:53	JE1278-1	1	X	(a)
12:55	MA57386-CCV4	1	X	
		Element:	Hg	

REPORTED ELEMENTS SUMMARY

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H9112724W1.CSV Date Analyzed: 11/27/24 Methods: SW846 7470A
Analyst: MK Run ID: MA57386
Parameters: Hg

Time	Sample Description	Element: Dilution	Hg
12:57	MA57386-CCB4	1	X
12:59	ZZZZZZ	1	
13:00	ZZZZZZ	1	
13:01	ZZZZZZ	1	
13:03	ZZZZZZ	1	
13:04	ZZZZZZ	1	
13:06	ZZZZZZ	1	
13:07	ZZZZZZ	1	
13:08	MA57386-CCV5	1	X
13:10	MA57386-CCB5	1	X
13:12	MP51190-MB1	1	X
13:13	MP51190-B1	1	X
13:15	MP51190-S1	1	X
13:16	MP51190-S2	1	X
13:18	ZZZZZZ	20	
13:21	MA57386-CCV6	1	X
13:23	MA57386-CCB6	1	X

(a) Sample used for QC only; not part of login JE1296.

Element: Hg

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H9112724W1.CSV Date Analyzed: 11/27/24 Methods: SW846 7470A
QC Limits: result < RL Run ID: MA57386 Units: ug/l

Time:			11:55		11:58		12:27		12:40	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.04	0.0196	<0.20	-0.111	<0.20	-0.134	<0.20	-0.121	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H9112724W1.CSV Date Analyzed: 11/27/24 Methods: SW846 7470A
QC Limits: result < RL Run ID: MA57386 Units: ug/l

Time:			12:57		13:10		13:23	
Sample ID:			CCB4		CCB5		CCB6	
Metal	RL	IDL	raw	final	raw	final	raw	final
Mercury	0.20	.04	-0.149	<0.20	-0.100	<0.20	-0.0885	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H9112724W1.CSV Date Analyzed: 11/27/24 Methods: SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA57386 Units: ug/l

Time:		11:50			11:56			12:25	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	3	3.27	109.0	2.5	2.55	102.0	2.5	2.66	106.4

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H9112724W1.CSV Date Analyzed: 11/27/24 Methods: SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA57386 Units: ug/l

Time:		12:39			12:55			13:08	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.68	107.2	2.5	2.69	107.6	2.5	2.72	108.8

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H9112724W1.CSV Date Analyzed: 11/27/24 Methods: SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA57386 Units: ug/l

Time:		13:21	
Sample ID:	CCV	CCV6	
Metal	True	Results	% Rec
Mercury	2.5	2.66	106.4

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H9112724W1.CSV Date Analyzed: 11/27/24 Methods: SW846 7470A
QC Limits: 70 to 130 % Recovery Run ID: MA57386 Units: ug/l

Time:			12:00	
Sample ID:	CRI	CRIA	CRI1	
Metal	True	True	Results	% Rec
Mercury	0.20		0.202	101.0

(*) Outside of QC limits
(anr) Analyte not requested

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57390
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:33	MA57390-STD1	1		STDA
10:38	MA57390-STD2	1		STDB
10:44	MA57390-ICV1	1		
10:49	MA57390-ICB1	1		
11:09	MA57390-ICCV1	1		
11:20	MA57390-CCB1	1		
11:25	MA57390-CRI1	1		
11:30	MA57390-CRID1	1		
11:35	MA57390-ICSA1	1		
11:41	MA57390-ICSAB1	1		
11:46	MA57390-HSTD1	1		
11:52	MA57390-HSTD2	1		
11:57	ZZZZZZ	1		
12:02	ZZZZZZ	1		
12:07	ZZZZZZ	1		
12:12	ZZZZZZ	1		
12:18	MA57390-CCV1	1		
12:23	MA57390-CCB2	1		
12:28	MA57390-CRI2	1		
12:33	MA57390-CRID2	1		
12:38	ZZZZZZ	1		
12:43	ZZZZZZ	1		
12:48	ZZZZZZ	1		
12:53	ZZZZZZ	1		
12:58	ZZZZZZ	1		
13:03	MA57390-CCV2	1		
13:08	MA57390-CCB3	1		
13:13	MP51142-MB1	1		
13:18	MP51142-LB1	1		
13:23	MP51142-B1	1		
13:28	MP51142-LS1	1		
13:33	MP51142-S1	1		
13:38	MP51142-S2	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57390
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:43	JE1062-1A	1		(sample used for QC only; not part of login JE1296)
13:48	MP51142-SD1	5		
13:53	ZZZZZZ	1		
13:58	MA57390-CCV3	1		
14:03	MA57390-CCB4	1		
14:08	MP51086-S2	1		
14:13	MA57390-CCV4	1		
14:18	MA57390-CCB5	1		
14:24	MP51156-MB1	1		
14:29	MP51156-B1	1		
14:34	MP51156-S1	1		
14:39	MP51156-S2	1		FE high
14:44	JE896-1R	1		(sample used for QC only; not part of login JE1296)
14:49	MP51156-SD1	5		
14:54	MP51156-PS1	1		
14:59	ZZZZZZ	1		
15:05	ZZZZZZ	1		
15:10	ZZZZZZ	1		
15:15	MA57390-CCV5	1		
15:20	MA57390-CCB6	1		
15:25	ZZZZZZ	1		
15:31	ZZZZZZ	1		
15:36	ZZZZZZ	1		
15:41	ZZZZZZ	1		
15:46	ZZZZZZ	1		
15:51	ZZZZZZ	1		
15:56	ZZZZZZ	1		
16:01	ZZZZZZ	1		
16:06	ZZZZZZ	1		
16:11	ZZZZZZ	1		
16:17	MA57390-CCV6	1		
16:22	MA57390-CCB7	1		
16:27	ZZZZZZ	5		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57390
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:32	ZZZZZZ	5		
16:37	ZZZZZZ	1		
16:42	ZZZZZZ	1		
16:47	MA57390-CCV7	1		
16:52	MA57390-CCB8	1		
16:57	MA57390-CRID3	1		
17:02	ZZZZZZ	1		
17:08	MA57390-CRID4	1		
17:13	MA57390-ICSA2	1		
17:18	MA57390-ICSAB2	1		
17:23	MA57390-CCV8	1		
17:28	MA57390-CCB9	1		
17:34	MA57390-CRI3	1		
17:38	MA57390-CRID5	1		
17:44	MP51152-MB1	1		
17:49	MP51152-B1	1		
17:54	ZZZZZZ	1		
17:59	ZZZZZZ	1		
18:04	ZZZZZZ	1		
18:09	ZZZZZZ	1		
18:14	ZZZZZZ	1		
18:19	ZZZZZZ	1		
18:24	MA57390-CCV9	1		
18:29	MA57390-CCB10	1		
18:34	MP51157-B1	1		
18:39	MP51157-MB1	1		
18:44	MP51157-S1	1		
18:49	MP51157-S2	1		
18:54	JE1243-1	1		(sample used for QC only; not part of login JE1296)
18:59	MP51157-SD1	5		
19:04	ZZZZZZ	1		
19:09	ZZZZZZ	1		
19:14	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57390
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:19	ZZZZZZ	1		
19:24	MA57390-CCV10	1		
19:29	MA57390-CCB11	1		
19:34	ZZZZZZ	1		
19:39	ZZZZZZ	1		
19:44	ZZZZZZ	1		
19:49	ZZZZZZ	1		
19:54	ZZZZZZ	1		
19:59	ZZZZZZ	1		
20:04	ZZZZZZ	1		
20:09	ZZZZZZ	1		
20:14	ZZZZZZ	1		
20:19	ZZZZZZ	1		
20:24	MA57390-CCV11	1		
20:29	MA57390-CCB12	1		
20:34	ZZZZZZ	1		
20:39	ZZZZZZ	1		
20:44	MP51157-PS1	1		
20:49	ZZZZZZ	1		
20:54	ZZZZZZ	1		
20:59	ZZZZZZ	1		
21:04	ZZZZZZ	1		
21:09	ZZZZZZ	1		
21:14	ZZZZZZ	1		
21:19	MP51152-S1	1		Ca, Na , S high
21:24	MA57390-CCV12	1		
21:29	MA57390-CCB13	1		
21:34	MP51152-S2	1		Ca, Na , S high
21:40	ZZZZZZ	1		
21:40	JE1082-31	1		(sample used for QC only; not part of login JE1296)
21:45	MP51152-SD1	5		Ca, Na , S high
21:50	ZZZZZZ	1		
21:55	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57390
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
22:00	ZZZZZZ	1		
22:05	ZZZZZZ	1		
22:10	ZZZZZZ	1		
22:15	ZZZZZZ	1		
22:20	ZZZZZZ	2		
22:25	MA57390-CCV13	1		
22:30	MA57390-CCB14	1		
22:35	ZZZZZZ	2		
22:40	ZZZZZZ	2		
22:46	ZZZZZZ	2		
22:51	ZZZZZZ	2		
22:56	MP51095-S1	2		
23:01	MP51095-S2	2		
23:06	JE1069-1	2		(sample used for QC only; not part of login JE1296)
23:10	MP51095-SD1	10		
23:15	ZZZZZZ	2		
23:20	MP50851-S1	2		
23:26	MA57390-CCV14	1		
23:31	MA57390-CCB15	1		
23:36	MP50851-S2	2		
23:41	MP50965-SD1	5		
23:46	ZZZZZZ	1		
23:51	ZZZZZZ	1		
23:56	ZZZZZZ	1		
00:01	ZZZZZZ	1		
00:05	ZZZZZZ	2		
00:11	ZZZZZZ	2		
00:16	ZZZZZZ	5		
00:21	MP51058-SD1	5		
00:26	MA57390-CCV15	1		
00:31	MA57390-CCB16	1		
00:36	MP51058-PS1	2		
00:41	ZZZZZZ	50		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57390
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
00:46	ZZZZZZ	5		
00:52	ZZZZZZ	10		
00:56	MP51147-B1	1		
01:01	MP51147-MB1	1		Cu>1/2 Rl
01:06	MP51147-B2	1		
01:11	MP51147-S1	1		rerun for Cu with the MB
01:17	MP51147-S2	1		rerun for Cu with the MB
01:22	JE1240-2	1		(sample used for QC only; not part of login JE1296)
01:27	MA57390-CCV16	1		
01:32	MA57390-CCB17	1		
01:37	MP51147-SD1	5		rerun for Cu with the MB
01:42	ZZZZZZ	1		
01:47	ZZZZZZ	1		
01:52	ZZZZZZ	1		
01:57	ZZZZZZ	1		
02:03	ZZZZZZ	1		
02:08	ZZZZZZ	1		
02:13	ZZZZZZ	1		
02:18	ZZZZZZ	1		
02:23	ZZZZZZ	1		
02:28	MA57390-CCV17	1		
02:33	MA57390-CCB18	1		
02:38	JE1296-12	1		
---------->	Last reportable sample/prep for job JE1296			
02:43	ZZZZZZ	1		
02:48	MP51151-B1	1		
02:53	MP51151-MB1	1		
02:58	MP51151-S1	1		
03:03	MP51151-S2	1		
03:08	JE1082-1	1		(sample used for QC only; not part of login JE1296)
03:13	MP51151-SD1	5		
03:18	ZZZZZZ	1		
03:23	ZZZZZZ	1		
03:27	MA57390-CCV18	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57390
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
03:32	MA57390-CCB19	1		
---------->	Last reportable CCB for job JE1296			
03:38	ZZZZZZ	1		
03:42	ZZZZZZ	1		
03:47	ZZZZZZ	1		
03:52	ZZZZZZ	1		
03:57	ZZZZZZ	1		
04:03	ZZZZZZ	1		
04:08	MP51155-B1	1		
04:13	MP51155-MB1	1		
04:18	MP51155-S1	1		
04:23	MP51155-S2	1		
04:28	MA57390-CCV19	1		
04:33	MA57390-CCB20	1		
04:38	JE1316-1	1		(sample used for QC only; not part of login JE1296)
04:43	MP51155-SD1	5		
04:48	ZZZZZZ	1		
04:53	ZZZZZZ	1		
04:58	ZZZZZZ	1		
05:03	ZZZZZZ	1		
05:08	ZZZZZZ	1		
05:12	ZZZZZZ	1		
05:17	MP51154-B1	1		
05:22	MP51154-MB1	1		
05:27	MA57390-CCV20	1		
05:32	MA57390-CCB21	1		
05:38	MP51154-S1	1		Ca, S high
05:43	MP51154-S2	1		Ca, S high
05:48	JE1263-1	1		(sample used for QC only; not part of login JE1296)
05:53	MP51154-SD1	5		Ca, S high
05:59	ZZZZZZ	1		
06:04	ZZZZZZ	1		
06:09	ZZZZZZ	1		
06:14	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57390
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
06:19	ZZZZZZ	1		
06:24	ZZZZZZ	1		
06:29	MA57390-CCV21	1		
06:34	MA57390-CCB22	1		
06:39	ZZZZZZ	1		
06:44	ZZZZZZ	1		
06:49	ZZZZZZ	1		
06:55	MA57390-CCV22	1		
06:59	MA57390-CCB23	1		
07:51	ZZZZZZ	1		
07:56	ZZZZZZ	1		
08:01	ZZZZZZ	1		

Refer to raw data for calibration curve and standards.

REPORTED ELEMENTS SUMMARY

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57390
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn
10:44	MA57390-ICV1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
10:49	MA57390-ICB1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
11:09	MA57390-ICCV1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
11:20	MA57390-CCB1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
11:25	MA57390-CRI1	1																						
11:30	MA57390-CRID1	1																						
11:35	MA57390-ICSA1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
11:41	MA57390-ICSAB1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
11:46	MA57390-HSTD1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
11:52	MA57390-HSTD2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
11:57	ZZZZZZ	1																						
12:02	ZZZZZZ	1																						
12:07	ZZZZZZ	1																						
12:12	ZZZZZZ	1																						
12:18	MA57390-CCV1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
12:23	MA57390-CCB2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
12:28	MA57390-CRI2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
12:33	MA57390-CRID2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
12:38	ZZZZZZ	1																						
12:43	ZZZZZZ	1																						
12:48	ZZZZZZ	1																						
12:53	ZZZZZZ	1																						
12:58	ZZZZZZ	1																						
13:03	MA57390-CCV2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
13:08	MA57390-CCB3	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
13:13	MP51142-MB1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
13:18	MP51142-LB1	1																						
13:23	MP51142-B1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
13:28	MP51142-LS1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
13:33	MP51142-S1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
13:38	MP51142-S2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
13:43	JE1062-1A	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X (a)
13:48	MP51142-SD1	5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn

REPORTED ELEMENTS SUMMARY

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57390
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	
13:53	ZZZZZZ	1																							
13:58	MA57390-CCV3	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14:03	MA57390-CCB4	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14:08	MP51086-S2	1																			X				
14:13	MA57390-CCV4	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14:18	MA57390-CCB5	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14:24	MP51156-MB1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14:29	MP51156-B1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14:34	MP51156-S1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14:39	MP51156-S2	1	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	
14:44	JE896-1R	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	(a)
14:49	MP51156-SD1	5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14:54	MP51156-PS1	1		X		X						X				X									
14:59	ZZZZZZ	1																							
15:05	ZZZZZZ	1																							
15:10	ZZZZZZ	1																							
15:15	MA57390-CCV5	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
15:20	MA57390-CCB6	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
15:25	ZZZZZZ	1																							
15:31	ZZZZZZ	1																							
15:36	ZZZZZZ	1																							
15:41	ZZZZZZ	1																							
15:46	ZZZZZZ	1																							
15:51	ZZZZZZ	1																							
15:56	ZZZZZZ	1																							
16:01	ZZZZZZ	1																							
16:06	ZZZZZZ	1																							
16:11	ZZZZZZ	1																							
16:17	MA57390-CCV6	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
16:22	MA57390-CCB7	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
16:27	ZZZZZZ	5																							
16:32	ZZZZZZ	5																							
16:37	ZZZZZZ	1																							
		Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	

REPORTED ELEMENTS SUMMARY

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57390
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	
16:42	ZZZZZZ	1																							
16:47	MA57390-CCV7	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
16:52	MA57390-CCB8	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
16:57	MA57390-CRID3	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
17:02	ZZZZZZ	1																							
17:08	MA57390-CRID4	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
17:13	MA57390-ICSA2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
17:18	MA57390-ICSAB2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
17:23	MA57390-CCV8	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
17:28	MA57390-CCB9	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
17:34	MA57390-CRI3	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
17:38	MA57390-CRID5	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
17:44	MP51152-MB1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	
17:49	MP51152-B1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	
17:54	ZZZZZZ	1																							
17:59	ZZZZZZ	1																							
18:04	ZZZZZZ	1																							
18:09	ZZZZZZ	1																							
18:14	ZZZZZZ	1																							
18:19	ZZZZZZ	1																							
18:24	MA57390-CCV9	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
18:29	MA57390-CCB10	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
18:34	MP51157-B1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
18:39	MP51157-MB1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
18:44	MP51157-S1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
18:49	MP51157-S2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
18:54	JE1243-1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	(a)
18:59	MP51157-SD1	5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
19:04	ZZZZZZ	1																							
19:09	ZZZZZZ	1																							
19:14	ZZZZZZ	1																							
19:19	ZZZZZZ	1																							
19:24	MA57390-CCV10	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
		Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	

REPORTED ELEMENTS SUMMARY

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57390
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	
19:29	MA57390-CCB11	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
19:34	ZZZZZZ	1																							
19:39	ZZZZZZ	1																							
19:44	ZZZZZZ	1																							
19:49	ZZZZZZ	1																							
19:54	ZZZZZZ	1																							
19:59	ZZZZZZ	1																							
20:04	ZZZZZZ	1																							
20:09	ZZZZZZ	1																							
20:14	ZZZZZZ	1																							
20:19	ZZZZZZ	1																							
20:24	MA57390-CCV11	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
20:29	MA57390-CCB12	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
20:34	ZZZZZZ	1																							
20:39	ZZZZZZ	1																							
20:44	MP51157-PS1	1		X																					
20:49	ZZZZZZ	1																							
20:54	ZZZZZZ	1																							
20:59	ZZZZZZ	1																							
21:04	ZZZZZZ	1																							
21:09	ZZZZZZ	1																							
21:14	ZZZZZZ	1																							
21:19	MP51152-S1	1	X			X	X			X	X	X	X		X	X	X	X	X	X			X	X	
21:24	MA57390-CCV12	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
21:29	MA57390-CCB13	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
21:34	MP51152-S2	1	X			X	X			X	X	X	X		X	X	X	X	X	X			X	X	
21:40	ZZZZZZ	1																							
21:40	JE1082-31	1	X			X	X			X	X	X	X		X	X	X	X	X	X			X	X	(a)
21:45	MP51152-SD1	5	X			X	X			X	X	X	X		X	X	X	X	X	X			X	X	
21:50	ZZZZZZ	1																							
21:55	ZZZZZZ	1																							
22:00	ZZZZZZ	1																							
22:05	ZZZZZZ	1																							
		Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	

REPORTED ELEMENTS SUMMARY

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57390
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	
22:10	ZZZZZZ	1																							
22:15	ZZZZZZ	1																							
22:20	ZZZZZZ	2																							
22:25	MA57390-CCV13	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
22:30	MA57390-CCB14	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
22:35	ZZZZZZ	2																							
22:40	ZZZZZZ	2																							
22:46	ZZZZZZ	2																							
22:51	ZZZZZZ	2																							
22:56	MP51095-S1	2																			X				
23:01	MP51095-S2	2																			X				
23:06	JE1069-1	2																			X				(a)
23:10	MP51095-SD1	10																			X				
23:15	ZZZZZZ	2																							
23:20	MP50851-S1	2								X															
23:26	MA57390-CCV14	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
23:31	MA57390-CCB15	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
23:36	MP50851-S2	2								X															
23:41	MP50965-SD1	5																			X				
23:46	ZZZZZZ	1																							
23:51	ZZZZZZ	1																							
23:56	ZZZZZZ	1																							
00:01	ZZZZZZ	1																							
00:05	ZZZZZZ	2																							
00:11	ZZZZZZ	2																							
00:16	ZZZZZZ	5																							
00:21	MP51058-SD1	5	X		X	X	X	X	X	X	X	X		X	X	X	X		X	X	X	X	X	X	
00:26	MA57390-CCV15	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
00:31	MA57390-CCB16	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
00:36	MP51058-PS1	2																							
00:41	ZZZZZZ	50																							
00:46	ZZZZZZ	5																							
00:52	ZZZZZZ	10																							
		Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	

REPORTED ELEMENTS SUMMARY

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57390
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	
00:56	MP51147-B1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
01:01	MP51147-MB1	1	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	
01:06	MP51147-B2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
01:11	MP51147-S1	1	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	
01:17	MP51147-S2	1	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	
01:22	JE1240-2	1		X	X		X	X		X				X			X		X	X		X		X	(a)
01:27	MA57390-CCV16	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
01:32	MA57390-CCB17	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
01:37	MP51147-SD1	5	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	
01:42	ZZZZZZ	1																							
01:47	ZZZZZZ	1																							
01:52	ZZZZZZ	1																							
01:57	ZZZZZZ	1																							
02:03	ZZZZZZ	1																							
02:08	ZZZZZZ	1																							
02:13	ZZZZZZ	1																							
02:18	ZZZZZZ	1																							
02:23	ZZZZZZ	1																							
02:28	MA57390-CCV17	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
02:33	MA57390-CCB18	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
02:38	JE1296-12	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
02:43	ZZZZZZ	1																							
02:48	MP51151-B1	1	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	
02:53	MP51151-MB1	1	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	
02:58	MP51151-S1	1	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	
03:03	MP51151-S2	1	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	
03:08	JE1082-1	1	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	(a)
03:13	MP51151-SD1	5	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	
03:18	ZZZZZZ	1																							
03:23	ZZZZZZ	1																							
03:27	MA57390-CCV18	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
03:32	MA57390-CCB19	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
03:38	ZZZZZZ	1																							
		Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	

REPORTED ELEMENTS SUMMARY

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57390
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	
03:42	ZZZZZZ	1																							
03:47	ZZZZZZ	1																							
03:52	ZZZZZZ	1																							
03:57	ZZZZZZ	1																							
04:03	ZZZZZZ	1																							
04:08	MP51155-B1	1	X							X		X	X	X		X								X	
04:13	MP51155-MB1	1	X							X		X	X	X		X								X	
04:18	MP51155-S1	1	X							X		X	X	X		X								X	
04:23	MP51155-S2	1	X							X		X	X	X		X								X	
04:28	MA57390-CCV19	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
04:33	MA57390-CCB20	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
04:38	JE1316-1	1	X							X			X	X										X	(a)
04:43	MP51155-SD1	5	X							X		X	X	X		X								X	
04:48	ZZZZZZ	1																							
04:53	ZZZZZZ	1																							
04:58	ZZZZZZ	1																							
05:03	ZZZZZZ	1																							
05:08	ZZZZZZ	1																							
05:12	ZZZZZZ	1																							
05:17	MP51154-B1	1	X		X		X	X		X		X	X	X		X	X		X	X		X	X	X	
05:22	MP51154-MB1	1	X		X		X	X		X		X	X	X		X	X		X	X		X	X	X	
05:27	MA57390-CCV20	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
05:32	MA57390-CCB21	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
05:38	MP51154-S1	1	X			X				X		X	X			X	X		X	X		X	X	X	
05:43	MP51154-S2	1	X			X				X		X	X			X	X		X	X		X	X	X	
05:48	JE1263-1	1	X			X				X		X	X				X		X	X		X	X	X	(a)
05:53	MP51154-SD1	5	X			X				X		X	X			X	X		X	X		X	X	X	
05:59	ZZZZZZ	1																							
06:04	ZZZZZZ	1																							
06:09	ZZZZZZ	1																							
06:14	ZZZZZZ	1																							
06:19	ZZZZZZ	1																							
06:24	ZZZZZZ	1																							
		Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	

REPORTED ELEMENTS SUMMARY

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57390
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn
06:29	MA57390-CCV21	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
06:34	MA57390-CCB22	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
06:39	ZZZZZZ	1																						
06:44	ZZZZZZ	1																						
06:49	ZZZZZZ	1																						
06:55	MA57390-CCV22	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
06:59	MA57390-CCB23	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
07:51	ZZZZZZ	1																						
07:56	ZZZZZZ	1																						
08:01	ZZZZZZ	1																						

(a) Sample used for QC only; not part of login JE1296.

Element: Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn

INTERNAL STANDARD SUMMARY

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57390
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:33	MA57390-STD1	7180 R	212270 R	24483 R	16683 R
10:38	MA57390-STD2	6819	200390	23548	15314
10:44	MA57390-ICV1	6955	204840	24136	15633
10:49	MA57390-ICB1	7201	214300	24330	16708
11:09	MA57390-ICCV1	6959	204680	24110	15636
11:20	MA57390-CCB1	7186	211790	24404	16665
11:25	MA57390-CRI1	No results reported for the elements associated with this internal standard.			
11:30	MA57390-CRID1	No results reported for the elements associated with this internal standard.			
11:35	MA57390-ICSA1	6478	185270	23411	14449
11:41	MA57390-ICSAB1	6499	184350	23574	14499
11:46	MA57390-HSTD1	7141	208140	24517	16542
11:52	MA57390-HSTD2	6505	188010	23363	14425
11:57	ZZZZZZ	7158	212590	24414	17051
12:02	ZZZZZZ	7364	198700	24861	15562
12:07	ZZZZZZ	6717	198930	23874	14997
12:12	ZZZZZZ	7238	214790	24511	16660
12:18	MA57390-CCV1	7003	204880	24134	15663
12:23	MA57390-CCB2	7223	215100	24561	16688
12:28	MA57390-CRI2	7186	212140	24534	16469
12:33	MA57390-CRID2	7219	215820	24492	16640
12:38	ZZZZZZ	7165	211140	23038	16809
12:43	ZZZZZZ	7128	210540	24302	16751
12:48	ZZZZZZ	7115	210690	24211	16714
12:53	ZZZZZZ	7239	215660	24809	16737
12:58	ZZZZZZ	7229	216650	24634	16750
13:03	MA57390-CCV2	6983	207910	24345	15665
13:08	MA57390-CCB3	7218	215850	24508	16714
13:13	MP51142-MB1	7198	217660	25023	16678
13:18	MP51142-LB1	7250	217210	24879	16779
13:23	MP51142-B1	7029	210300	24505	15883
13:28	MP51142-LS1	7031	207140	24328	15880
13:33	MP51142-S1	7040	207340	24596	15880
13:38	MP51142-S2	7043	206700	24707	15879

INTERNAL STANDARD SUMMARY

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57390
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:43	JE1062-1A	7266	217390	24758	16590
13:48	MP51142-SD1	7238	216770	24653	16717
13:53	ZZZZZZ	7252	216390	24824	16494
13:58	MA57390-CCV3	6991	205620	24242	15702
14:03	MA57390-CCB4	7226	215950	24503	16748
14:08	MP51086-S2	6946	204440	24541	15461
14:13	MA57390-CCV4	6990	207580	24269	15693
14:18	MA57390-CCB5	7231	216970	24727	16767
14:24	MP51156-MB1	7259	219850	24981	16799
14:29	MP51156-B1	7079	211320	24809	16056
14:34	MP51156-S1	7145	212830	25467	16158
14:39	MP51156-S2	7124	209480	25546	16377
14:44	JE896-1R	7268	217420	25520	16676
14:49	MP51156-SD1	7281	217980	25147	16663
14:54	MP51156-PS1	7124	214880	25347	16325
14:59	ZZZZZZ	7035	209480	25716	18204
15:05	ZZZZZZ	7205	216600	25899	17325
15:10	ZZZZZZ	7185	216110	25827	17195
15:15	MA57390-CCV5	6992	208930	24290	15765
15:20	MA57390-CCB6	7218	218690	24876	16814
15:25	ZZZZZZ	7255	218480	25739	16746
15:31	ZZZZZZ	7372	229820	26163	16581
15:36	ZZZZZZ	7360	222240	26016	16635
15:41	ZZZZZZ	7291	221700	25846	16806
15:46	ZZZZZZ	7332	219220	25649	16613
15:51	ZZZZZZ	7300	218970	25566	16639
15:56	ZZZZZZ	7163	219840	25478	16562
16:01	ZZZZZZ	7272	219730	26007	16955
16:06	ZZZZZZ	7373	220830	25577	16649
16:11	ZZZZZZ	7209	215860	25756	17175
16:17	MA57390-CCV6	6961	209420	24118	15755
16:22	MA57390-CCB7	7177	218920	24733	16772
16:27	ZZZZZZ	7127	216500	24817	16896

INTERNAL STANDARD SUMMARY

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57390
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:32	ZZZZZZ	7195	217960	24767	16748
16:37	ZZZZZZ	7134	220420	24222	16787
16:42	ZZZZZZ	7113	218680	24301	16757
16:47	MA57390-CCV7	6948	210130	24142	15751
16:52	MA57390-CCB8	7172	218720	24438	16790
16:57	MA57390-CRID3	7148	218370	24416	16696
17:02	ZZZZZZ	7108	217360	24311	16531
17:08	MA57390-CRID4	7126	219230	24392	16685
17:13	MA57390-ICSA2	6444	191850	23393	14555
17:18	MA57390-ICSAB2	6440	191750	23340	14592
17:23	MA57390-CCV8	6926	210110	23927	15724
17:28	MA57390-CCB9	7156	219020	24269	16781
17:34	MA57390-CRI3	7069	218250	24114	16487
17:38	MA57390-CRID5	7159	217880	24255	16720
17:44	MP51152-MB1	7099	213540	24137	16793
17:49	MP51152-B1	6914	206270	23756	15860
17:54	ZZZZZZ	6764	205510	23825	15433
17:59	ZZZZZZ	6808	207610	23904	15648
18:04	ZZZZZZ	7172	218320	24307	16727
18:09	ZZZZZZ	7146	219150	24123	16841
18:14	ZZZZZZ	7151	220680	24147	16726
18:19	ZZZZZZ	7124	217860	24081	16626
18:24	MA57390-CCV9	6907	207210	23601	15678
18:29	MA57390-CCB10	7103	216850	24114	16681
18:34	MP51157-B1	7034	211040	24054	16089
18:39	MP51157-MB1	7164	216250	24268	16727
18:44	MP51157-S1	7123	210260	24285	16113
18:49	MP51157-S2	7165	201590	25270	16103
18:54	JE1243-1	7384	202890	26603	16853
18:59	MP51157-SD1	7305	215000	25452	16844
19:04	ZZZZZZ	7245	222010	24377	16577
19:09	ZZZZZZ	7246	223780	24563	16659
19:14	ZZZZZZ	7119	221700	24197	16412

INTERNAL STANDARD SUMMARY

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57390
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
19:19	ZZZZZZ	7164	221040	24310	16484
19:24	MA57390-CCV10	6889	211600	23630	15676
19:29	MA57390-CCB11	7086	221000	23898	16666
19:34	ZZZZZZ	7171	216020	24336	16363
19:39	ZZZZZZ	7251	217470	24315	16581
19:44	ZZZZZZ	7343	210660	25540	16746
19:49	ZZZZZZ	7254	206060	26415	16150
19:54	ZZZZZZ	7278	217430	25558	16764
19:59	ZZZZZZ	7134	219320	24239	16541
20:04	ZZZZZZ	7073	222450	24009	16399
20:09	ZZZZZZ	7136	220870	24178	16449
20:14	ZZZZZZ	7280	221420	24926	16330
20:19	ZZZZZZ	7152	217710	24133	16443
20:24	MA57390-CCV11	6927	207520	23950	15692
20:29	MA57390-CCB12	7214	206280	25672	16856
20:34	ZZZZZZ	7424	219500	26452	16800
20:39	ZZZZZZ	7318	227200	25015	16500
20:44	MP51157-PS1	6942	215020	23676	15970
20:49	ZZZZZZ	7093	221350	23801	16489
20:54	ZZZZZZ	7101	219280	23726	16479
20:59	ZZZZZZ	7123	217140	23830	16541
21:04	ZZZZZZ	7205	213010	24855	16583
21:09	ZZZZZZ	7162	206750	25569	16527
21:14	ZZZZZZ	7100	215380	24458	16264
21:19	MP51152-S1	6140	189240	22688	13910
21:24	MA57390-CCV12	6719	208950	22520	15391
21:29	MA57390-CCB13	7019	215870	22844	16514
21:34	MP51152-S2	6100	186750	22642	13798
21:40	ZZZZZZ	No results reported for the elements associated with this internal standard.			
21:40	JE1082-31	6248	178050	23258	14019
21:45	MP51152-SD1	6689	197660	23815	15368
21:50	ZZZZZZ	6340	196210	22415	14496
21:55	ZZZZZZ	6682	208110	22234	15582

INTERNAL STANDARD SUMMARY

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57390
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
22:00	ZZZZZZ	6712	206700	22102	15733
22:05	ZZZZZZ	6731	205770	22185	15479
22:10	ZZZZZZ	6682	196010	22869	14956
22:15	ZZZZZZ	6717	192230	24005	15066
22:20	ZZZZZZ	6851	206480	23793	15601
22:25	MA57390-CCV13	6774	212690	22683	15525
22:30	MA57390-CCB14	6974	219710	22835	16476
22:35	ZZZZZZ	6811	208350	22596	15496
22:40	ZZZZZZ	6890	204980	23359	15582
22:46	ZZZZZZ	6906	200050	24509	15679
22:51	ZZZZZZ	6832	207110	23634	15549
22:56	MP51095-S1	6688	206940	22762	15156
23:01	MP51095-S2	6714	208400	22462	15176
23:06	JE1069-1	6897	212200	22954	15590
23:10	MP51095-SD1	7110	206590	23965	16414
23:15	ZZZZZZ	6899	202450	24040	15671
23:20	MP50851-S1	6878	211980	23467	15622
23:26	MA57390-CCV14	6743	209950	22103	15438
23:31	MA57390-CCB15	7058	220030	22658	16607
23:36	MP50851-S2	7039	205440	24313	15766
23:41	MP50965-SD1	7147	210110	24374	16503
23:46	ZZZZZZ	6975	213050	23532	16066
23:51	ZZZZZZ	6908	214450	22487	16595
23:56	ZZZZZZ	7130	216810	22688	16320
00:01	ZZZZZZ	7259	207240	24001	16485
00:05	ZZZZZZ	6502	193430	23497	16963
00:11	ZZZZZZ	6677	209660	22785	17373
00:16	ZZZZZZ	6650	209760	22284	15549
00:21	MP51058-SD1	7060	216660	22979	16424
00:26	MA57390-CCV15	6924	199760	23416	15714
00:31	MA57390-CCB16	7032	215170	23724	16613
00:36	MP51058-PS1	6763	212240	22725	15900
00:41	ZZZZZZ	6906	222140	22281	16393

INTERNAL STANDARD SUMMARY

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57390
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
00:46	ZZZZZZ	6893	210130	22891	16760
00:52	ZZZZZZ	7080	205110	24080	16648
00:56	MP51147-B1	6880	207630	23539	15824
01:01	MP51147-MB1	6945	221400	22495	16428
01:06	MP51147-B2	6776	214530	22132	15673
01:11	MP51147-S1	6778	208330	22493	15360
01:17	MP51147-S2	6848	214920	23635	15489
01:22	JE1240-2	6815	208230	23179	15765
01:27	MA57390-CCV16	6705	210900	22014	15433
01:32	MA57390-CCB17	7003	219550	22103	16542
01:37	MP51147-SD1	7046	212460	22963	16440
01:42	ZZZZZZ	5118	146120 !a	21442	11207 !a
01:47	ZZZZZZ	5138	147870 !	19869	11199 !
01:52	ZZZZZZ	5143	155650	19635	11251 !
01:57	ZZZZZZ	4947 !	153930	19530	10801 !
02:03	ZZZZZZ	6977	207770	23085	16073
02:08	ZZZZZZ	6806	202680	22890	15859
02:13	ZZZZZZ	6726	210880	21914	15667
02:18	ZZZZZZ	6754	214450	21661	15857
02:23	ZZZZZZ	6549	200190	20908	15151
02:28	MA57390-CCV17	6694	193010	21852	15298
02:33	MA57390-CCB18	6831	212010	22186	16207
02:38	JE1296-12	6849	219720	21188	16251
02:43	ZZZZZZ	6977	220250	21145	16470
02:48	MP51151-B1	6775	201610	21663	15662
02:53	MP51151-MB1	6877	204980	22329	16446
02:58	MP51151-S1	6534	201630	21293	15004
03:03	MP51151-S2	6491	204000	20543	14884
03:08	JE1082-1	6709	206110	20994	15372
03:13	MP51151-SD1	7054	206760	22620	16374
03:18	ZZZZZZ	6608	198640	21797	15214
03:23	ZZZZZZ	6536	202760	20732	15053
03:27	MA57390-CCV18	6672	207270	20386	15310

INTERNAL STANDARD SUMMARY

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57390
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
03:32	MA57390-CCB19	7003	212000	21542	16451
03:38	ZZZZZZ	6715	195780	22213	15330
03:42	ZZZZZZ	6751	207820	21441	15818
03:47	ZZZZZZ	6611	209420	20453	15542
03:52	ZZZZZZ	6582	203410	20314	15024
03:57	ZZZZZZ	6437	186590	21181	14487
04:03	ZZZZZZ	6607	193750	21547	15174
04:08	MP51155-B1	6591	205770	20634	15441
04:13	MP51155-MB1	6794	216770	20247	16315
04:18	MP51155-S1	6709	202970	21008	15506
04:23	MP51155-S2	6706	195930	21956	15527
04:28	MA57390-CCV19	6652	203220	20942	15295
04:33	MA57390-CCB20	6808	218670	20634	16188
04:38	JE1316-1	6852	214900	20801	16282
04:43	MP51155-SD1	7071	209700	21946	16625
04:48	ZZZZZZ	6647	207040	21388	15927
04:53	ZZZZZZ	6667	213020	20463	15905
04:58	ZZZZZZ	6860	215140	20244	16278
05:03	ZZZZZZ	6913	210570	21104	16408
05:08	ZZZZZZ	6807	202390	21854	16104
05:12	ZZZZZZ	6759	213980	20934	16204
05:17	MP51154-B1	6626	209080	20222	15452
05:22	MP51154-MB1	6884	212910	20952	16424
05:27	MA57390-CCV20	6816	200530	22146	15569
05:32	MA57390-CCB21	6947	216240	21403	16457
05:38	MP51154-S1	5697	176350	18995	12748
05:43	MP51154-S2	5808	174290	19428	12882
05:48	JE1263-1	5851	166470	20391	12839
05:53	MP51154-SD1	6524	194370	21452	14665
05:59	ZZZZZZ	6773	215030	20853	15677
06:04	ZZZZZZ	6768	214800	20383	15714
06:09	ZZZZZZ	6308	187550	20658	13896
06:14	ZZZZZZ	6629	195000	21959	15006

INTERNAL STANDARD SUMMARY

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57390
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
06:19	ZZZZZZ	6849	214930	21312	15989
06:24	ZZZZZZ	6525	205400	20215	15045
06:29	MA57390-CCV21	6794	211440	20563	15516
06:34	MA57390-CCB22	7059	209260	21803	16593
06:39	ZZZZZZ	6598	198090	21385	14973
06:44	ZZZZZZ	6468	202070	20199	14681
06:49	ZZZZZZ	6876	215460	20391	16100
06:55	MA57390-CCV22	6787	202260	20926	15460
06:59	MA57390-CCB23	6974	207590	21885	16502
07:51	ZZZZZZ	8049	251130	25416	19170
07:56	ZZZZZZ	8007	260770	24092	19067
08:01	ZZZZZZ	7998	258420	23839	19009

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %
Istd#2	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %
Istd#4	Indium	70-130 %

(a) No samples reported for the elements associated with this internal standard.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57390 Units: ug/l

Time:			10:49		11:20		12:23		13:08	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	27	3.90	<200	2.60	<200	-7.00	<200	-3.60	<200
Antimony	6.0	2.2	-0.300	<6.0	1.80	<6.0	1.60	<6.0	1.80	<6.0
Arsenic	3.0	1.3	0.200	<3.0	0.100	<3.0	-0.100	<3.0	-0.500	<3.0
Barium	200	1	0.300	<200	0.00	<200	0.300	<200	0.300	<200
Beryllium	1.0	.2	0.100	<1.0	-0.100	<1.0	0.100	<1.0	0.00	<1.0
Bismuth	20	2.1								
Boron	100	1								
Cadmium	3.0	.2	0.00	<3.0	-0.100	<3.0	0.100	<3.0	0.300	<3.0
Calcium	5000	7.7	-0.900	<5000	-5.20	<5000	-0.500	<5000	-0.200	<5000
Cerium	100									
Chromium	10	.5	0.00	<10	0.00	<10	-0.200	<10	0.100	<10
Cobalt	50	.4	0.200	<50	0.100	<50	-0.200	<50	0.00	<50
Copper	10	6.8	0.00	<10	0.400	<10	0.00	<10	0.100	<10
Iron	100	15	2.80	<100	2.10	<100	5.80	<100	2.00	<100
Lead	3.0	1.6	0.00	<3.0	0.500	<3.0	0.400	<3.0	0.800	<3.0
Lithium	50	3.7	anr							
Magnesium	5000	54	30.4	<5000	7.60	<5000	6.10	<5000	-9.30	<5000
Manganese	15	.1	0.100	<15	0.00	<15	0.100	<15	0.100	<15
Molybdenum	20	.5								
Nickel	10	.3	0.00	<10	0.600	<10	0.700	<10	0.700	<10
Phosphorus	50	1.8								
Potassium	10000	77	100	<10000	149	<10000	101	<10000	94.7	<10000
Selenium	10	2	-0.500	<10	0.100	<10	1.00	<10	-1.50	<10
Silicon	200	1.3								
Silver	10	.9	0.200	<10	0.400	<10	0.100	<10	0.00	<10
Sodium	10000	23	5.50	<10000	10.7	<10000	4.70	<10000	16.2	<10000
Strontium	10	.4								
Sulfur	50	4.1								
Thallium	10	1.6	0.800	<10	0.100	<10	0.600	<10	-2.40	<10
Tin	10	.9								
Titanium	10	.9								
Tungsten	50	2								
Vanadium	50	.8	0.100	<50	0.300	<50	0.300	<50	0.100	<50

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57390 Units: ug/l

Time:			10:49		11:20		12:23		13:08	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.2	-0.900	<20	-0.900	<20	-0.900	<20	-0.800	<20
Zirconium	10	.5								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57390 Units: ug/l

Time: / Sample ID:			14:03 CCB4		14:18 CCB5		15:20 CCB6		16:22 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	27	-2.70	<200	-3.50	<200	4.90	<200	-0.500	<200
Antimony	6.0	2.2	0.300	<100	1.10	<6.0	1.20	<6.0	0.500	<6.0
Arsenic	3.0	1.3	0.500	<100	1.20	<3.0	1.90	<3.0	1.00	<3.0
Barium	200	1	0.300	<200	-0.100	<200	0.100	<200	0.100	<200
Beryllium	1.0	.2	0.100	<2.0	0.100	<1.0	0.00	<1.0	0.00	<1.0
Bismuth	20	2.1								
Boron	100	1								
Cadmium	3.0	.2	0.200	<4.0	0.300	<3.0	0.100	<3.0	0.300	<3.0
Calcium	5000	7.7	-0.200	<5000	0.800	<5000	0.400	<5000	1.10	<5000
Cerium	100									
Chromium	10	.5	-0.200	<10	0.00	<10	-0.100	<10	0.00	<10
Cobalt	50	.4	0.00	<50	0.200	<50	0.200	<50	0.200	<50
Copper	10	6.8	0.200	<10	0.100	<10	-0.100	<10	0.400	<10
Iron	100	15	4.80	<100	4.80	<100	12.2	<100	10.4	<100
Lead	3.0	1.6	0.600	<100	1.30	<3.0	0.200	<3.0	0.900	<3.0
Lithium	50	3.7	anr							
Magnesium	5000	54	34.3	<5000	-0.800	<5000	11.4	<5000	17.2	<5000
Manganese	15	.1	0.00	<15	0.100	<15	0.200	<15	0.100	<15
Molybdenum	20	.5								
Nickel	10	.3	0.00	<10	0.500	<10	0.500	<10	0.200	<10
Phosphorus	50	1.8								
Potassium	10000	77	70.4	<10000	109	<10000	132	<10000	135	<10000
Selenium	10	2	0.200	<100	-0.600	<10	0.700	<10	1.50	<10
Silicon	200	1.3								
Silver	10	.9	0.200	<10	0.00	<10	0.300	<10	0.300	<10
Sodium	10000	23	-1.40	<10000	16.9	<10000	-10.4	<10000	-5.00	<10000
Strontium	10	.4								
Sulfur	50	4.1								
Thallium	10	1.6	0.400	<100	0.400	<10	-0.600	<10	-0.600	<10
Tin	10	.9								
Titanium	10	.9								
Tungsten	50	2								
Vanadium	50	.8	0.00	<50	0.300	<50	0.900	<50	0.400	<50

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57390 Units: ug/l

Time: / Sample ID:			14:03 CCB4		14:18 CCB5		15:20 CCB6		16:22 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.2	-0.800	<20	-0.800	<20	-0.700	<20	-0.600	<20
Zirconium	10	.5								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57390 Units: ug/l

Time: / Sample ID:			16:52 CCB8		17:28 CCB9		18:29 CCB10		19:29 CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	27	-1.00	<200	-8.30	<200	-3.40	<200	-5.20	<200
Antimony	6.0	2.2	0.200	<6.0	0.500	<6.0	0.600	<6.0	0.100	<6.0
Arsenic	3.0	1.3	0.400	<3.0	1.00	<3.0	-0.100	<3.0	-0.300	<3.0
Barium	200	1	-0.100	<200	0.300	<200	0.200	<200	0.100	<200
Beryllium	1.0	.2	0.100	<1.0	0.100	<1.0	0.100	<1.0	0.200	<1.0
Bismuth	20	2.1								
Boron	100	1								
Cadmium	3.0	.2	0.00	<3.0	0.200	<3.0	0.200	<3.0	0.200	<3.0
Calcium	5000	7.7	1.20	<5000	3.10	<5000	0.400	<5000	0.300	<5000
Cerium	100									
Chromium	10	.5	0.200	<10	0.00	<10	0.00	<10	0.00	<10
Cobalt	50	.4	0.200	<50	0.100	<50	0.00	<50	0.200	<50
Copper	10	6.8	0.500	<10	0.300	<10	0.200	<10	-0.200	<10
Iron	100	15	7.30	<100	7.90	<100	6.30	<100	6.90	<100
Lead	3.0	1.6	-0.200	<3.0	-0.300	<3.0	0.600	<3.0	0.400	<3.0
Lithium	50	3.7	anr							
Magnesium	5000	54	25.1	<5000	29.7	<5000	16.1	<5000	0.800	<5000
Manganese	15	.1	0.100	<15	0.100	<15	0.100	<15	0.100	<15
Molybdenum	20	.5								
Nickel	10	.3	0.00	<10	0.100	<10	0.100	<10	0.200	<10
Phosphorus	50	1.8								
Potassium	10000	77	95.3	<10000	78.1	<10000	69.7	<10000	124	<10000
Selenium	10	2	0.500	<10	-0.200	<10	0.400	<10	0.00	<10
Silicon	200	1.3								
Silver	10	.9	0.100	<10	-0.200	<10	0.300	<10	0.200	<10
Sodium	10000	23	-10.3	<10000	-13.8	<10000	-35.2	<10000	-26.6	<10000
Strontium	10	.4								
Sulfur	50	4.1								
Thallium	10	1.6	-0.400	<10	-0.700	<10	0.800	<10	0.00	<10
Tin	10	.9								
Titanium	10	.9								
Tungsten	50	2								
Vanadium	50	.8	0.500	<50	0.400	<50	0.100	<50	0.100	<50

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57390 Units: ug/l

Time: / Sample ID:			16:52 CCB8		17:28 CCB9		18:29 CCB10		19:29 CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.2	-0.700	<20	-0.800	<20	-0.800	<20	-0.700	<20
Zirconium	10	.5								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57390 Units: ug/l

Time:			20:29		21:29		22:30		23:31	
Sample ID:			CCB12		CCB13		CCB14		CCB15	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	27	-15.1	<200	9.80	<200	20.7	<200	1.00	<200
Antimony	6.0	2.2	0.700	<6.0	1.20	<6.0	-0.500	<6.0	1.30	<6.0
Arsenic	3.0	1.3	1.00	<3.0	-0.200	<3.0	1.20	<3.0	0.00	<3.0
Barium	200	1	-0.400	<200	0.600	<200	0.700	<200	0.700	<200
Beryllium	1.0	.2	0.200	<1.0	0.200	<1.0	0.200	<1.0	0.200	<1.0
Bismuth	20	2.1								
Boron	100	1								
Cadmium	3.0	.2	0.400	<3.0	0.200	<3.0	0.200	<3.0	0.00	<3.0
Calcium	5000	7.7	-1.10	<5000	4.60	<5000	7.20	<5000	9.50	<5000
Cerium	100									
Chromium	10	.5	0.200	<10	-0.100	<10	0.100	<10	0.200	<10
Cobalt	50	.4	0.200	<50	0.100	<50	0.100	<50	0.300	<50
Copper	10	6.8	4.40	<10	-0.100	<10	-0.400	<10	-0.500	<10
Iron	100	15	9.00	<100	9.60	<100	8.00	<100	9.80	<100
Lead	3.0	1.6	0.400	<3.0	0.500	<3.0	0.500	<3.0	0.700	<3.0
Lithium	50	3.7	anr							
Magnesium	5000	54	22.0	<5000	11.3	<5000	8.40	<5000	2.30	<5000
Manganese	15	.1	0.200	<15	0.200	<15	0.200	<15	0.200	<15
Molybdenum	20	.5								
Nickel	10	.3	0.100	<10	0.700	<10	0.100	<10	0.300	<10
Phosphorus	50	1.8								
Potassium	10000	77	49.4	<10000	199	<10000	198	<10000	166	<10000
Selenium	10	2	1.80	<10	2.20	<10	-0.200	<10	1.10	<10
Silicon	200	1.3								
Silver	10	.9	-0.300	<10	0.300	<10	0.600	<10	0.500	<10
Sodium	10000	23	5.20	<10000	17.2	<10000	51.3	<10000	29.5	<10000
Strontium	10	.4								
Sulfur	50	4.1								
Thallium	10	1.6	-0.500	<10	-1.20	<10	-0.200	<10	-0.200	<10
Tin	10	.9								
Titanium	10	.9								
Tungsten	50	2								
Vanadium	50	.8	0.300	<50	0.500	<50	0.300	<50	0.300	<50

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57390 Units: ug/l

Time:			20:29		21:29		22:30		23:31	
Sample ID:			CCB12		CCB13		CCB14		CCB15	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.2	-0.700	<20	-0.700	<20	-0.600	<20	-0.600	<20
Zirconium	10	.5								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57390 Units: ug/l

Time:			00:31		01:32		02:33		03:32	
Sample ID:			CCB16		CCB17		CCB18		CCB19	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	27	-7.10	<200	4.40	<200	-7.00	<200	7.30	<200
Antimony	6.0	2.2	1.00	<6.0	0.100	<6.0	0.700	<6.0	0.800	<6.0
Arsenic	3.0	1.3	0.700	<3.0	-0.100	<3.0	0.600	<3.0	0.600	<3.0
Barium	200	1	0.200	<200	1.10	<200	0.800	<200	0.700	<200
Beryllium	1.0	.2	0.200	<1.0	0.300	<1.0	0.300	<1.0	0.200	<1.0
Bismuth	20	2.1								
Boron	100	1								
Cadmium	3.0	.2	0.200	<3.0	0.300	<3.0	0.400	<3.0	0.300	<3.0
Calcium	5000	7.7	3.90	<5000	7.90	<5000	5.00	<5000	4.60	<5000
Cerium	100									
Chromium	10	.5	0.100	<10	0.300	<10	0.100	<10	0.100	<10
Cobalt	50	.4	0.100	<50	0.100	<50	0.300	<50	0.200	<50
Copper	10	6.8	1.40	<10	-0.300	<10	1.00	<10	0.600	<10
Iron	100	15	10.6	<100	11.4	<100	9.50	<100	12.4	<100
Lead	3.0	1.6	1.40	<3.0	0.700	<3.0	0.600	<3.0	1.10	<3.0
Lithium	50	3.7	anr							
Magnesium	5000	54	6.60	<5000	5.80	<5000	16.7	<5000	4.60	<5000
Manganese	15	.1	0.300	<15	0.300	<15	0.300	<15	0.300	<15
Molybdenum	20	.5								
Nickel	10	.3	0.300	<10	0.300	<10	0.900	<10	0.900	<10
Phosphorus	50	1.8								
Potassium	10000	77	58.9	<10000	151	<10000	355	<10000	305	<10000
Selenium	10	2	0.100	<10	3.00	<10	-0.900	<10	1.40	<10
Silicon	200	1.3								
Silver	10	.9	0.400	<10	0.400	<10	0.300	<10	0.900	<10
Sodium	10000	23	30.6	<10000	-1.40	<10000	1050	<10000	653	<10000
Strontium	10	.4								
Sulfur	50	4.1								
Thallium	10	1.6	0.800	<10	-0.400	<10	-1.00	<10	0.800	<10
Tin	10	.9								
Titanium	10	.9								
Tungsten	50	2								
Vanadium	50	.8	0.500	<50	0.400	<50	0.400	<50	0.500	<50

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57390 Units: ug/l

Time:			00:31		01:32		02:33		03:32	
Sample ID:			CCB16		CCB17		CCB18		CCB19	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.2	-0.700	<20	-0.600	<20	-0.600	<20	-0.600	<20
Zirconium	10	.5								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: to % Recovery Run ID: MA57390 Units: ug/l

Time:		11:09	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Aluminum	40000	39400	98.5
Antimony	2000	1970	98.5
Arsenic	2000	1960	98.0
Barium	2000	1970	98.5
Beryllium	2000	1980	99.0
Bismuth			
Boron			
Cadmium	2000	1990	99.5
Calcium	40000	39900	99.8
Cerium			
Chromium	2000	2010	100.5
Cobalt	2000	2020	101.0
Copper	2000	2000	100.0
Iron	40000	39800	99.5
Lead	2000	2010	100.5
Lithium	anr		
Magnesium	40000	39800	99.5
Manganese	2000	2030	101.5
Molybdenum			
Nickel	2000	2020	101.0
Phosphorus			
Potassium	40000	39700	99.3
Selenium	2000	2000	100.0
Silicon			
Silver	250	243	97.2
Sodium	40000	40000	100.0
Strontium			
Sulfur			
Thallium	2000	2050	102.5
Tin			
Titanium			
Tungsten			
Vanadium	2000	2000	100.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: to % Recovery Run ID: MA57390 Units: ug/l

Time:		11:09	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Zinc	2000	2020	101.0
Zirconium			

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57390 Units: ug/l

Time:		10:44			12:18			13:03	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39800	99.5	40000	39300	98.3	40000	39400	98.5
Antimony	2000	2100	105.0	2000	1970	98.5	2000	1980	99.0
Arsenic	2000	2030	101.5	2000	1970	98.5	2000	1970	98.5
Barium	2000	1990	99.5	2000	1980	99.0	2000	1980	99.0
Beryllium	2000	2010	100.5	2000	1980	99.0	2000	1980	99.0
Bismuth									
Boron									
Cadmium	2000	1970	98.5	2000	1990	99.5	2000	1990	99.5
Calcium	40000	40100	100.3	40000	39600	99.0	40000	39800	99.5
Cerium									
Chromium	2000	2000	100.0	2000	2020	101.0	2000	1990	99.5
Cobalt	2000	1980	99.0	2000	2020	101.0	2000	2020	101.0
Copper	2000	2010	100.5	2000	2010	100.5	2000	1980	99.0
Iron	40000	39700	99.3	40000	39800	99.5	40000	39700	99.3
Lead	2000	1990	99.5	2000	2020	101.0	2000	2020	101.0
Lithium	anr								
Magnesium	40000	39700	99.3	40000	39900	99.8	40000	39700	99.3
Manganese	2000	2030	101.5	2000	2030	101.5	2000	1990	99.5
Molybdenum									
Nickel	2000	1980	99.0	2000	2040	102.0	2000	2030	101.5
Phosphorus									
Potassium	40000	40000	100.0	40000	40000	100.0	40000	39700	99.3
Selenium	2000	1980	99.0	2000	2000	100.0	2000	2010	100.5
Silicon									
Silver	250	249	99.6	250	245	98.0	250	241	96.4
Sodium	40000	40200	100.5	40000	40100	100.3	40000	40100	100.3
Strontium									
Sulfur									
Thallium	2000	2050	102.5	2000	2070	103.5	2000	2060	103.0
Tin									
Titanium									
Tungsten									
Vanadium	2000	2000	100.0	2000	2000	100.0	2000	1980	99.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57390 Units: ug/l

Time:		10:44			12:18			13:03	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	2000	2030	101.5	2000	2020	101.0	2000	2010	100.5
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57390 Units: ug/l

Time:		13:58			14:13			15:15	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39200	98.0	40000	39300	98.3	40000	39600	99.0
Antimony	2000	1980	99.0	2000	1990	99.5	2000	2010	100.5
Arsenic	2000	1970	98.5	2000	1980	99.0	2000	1990	99.5
Barium	2000	1970	98.5	2000	1980	99.0	2000	1990	99.5
Beryllium	2000	1970	98.5	2000	1970	98.5	2000	1970	98.5
Bismuth									
Boron									
Cadmium	2000	1990	99.5	2000	2000	100.0	2000	2020	101.0
Calcium	40000	39700	99.3	40000	39800	99.5	40000	40100	100.3
Cerium									
Chromium	2000	2010	100.5	2000	1990	99.5	2000	1990	99.5
Cobalt	2000	2020	101.0	2000	2030	101.5	2000	2040	102.0
Copper	2000	2000	100.0	2000	1980	99.0	2000	1990	99.5
Iron	40000	39700	99.3	40000	39800	99.5	40000	39800	99.5
Lead	2000	2020	101.0	2000	2030	101.5	2000	2050	102.5
Lithium	anr								
Magnesium	40000	39700	99.3	40000	39800	99.5	40000	39700	99.3
Manganese	2000	2030	101.5	2000	1990	99.5	2000	2000	100.0
Molybdenum									
Nickel	2000	2030	101.5	2000	2040	102.0	2000	2040	102.0
Phosphorus									
Potassium	40000	39400	98.5	40000	39600	99.0	40000	39400	98.5
Selenium	2000	2010	100.5	2000	2020	101.0	2000	2060	103.0
Silicon									
Silver	250	246	98.4	250	243	97.2	250	244	97.6
Sodium	40000	40100	100.3	40000	40200	100.5	40000	40600	101.5
Strontium									
Sulfur									
Thallium	2000	2060	103.0	2000	2070	103.5	2000	2060	103.0
Tin									
Titanium									
Tungsten									
Vanadium	2000	2010	100.5	2000	2000	100.0	2000	2020	101.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57390 Units: ug/l

Time:		13:58			14:13			15:15	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	2000	2020	101.0	2000	2020	101.0	2000	2030	101.5
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57390 Units: ug/l

Time:		16:17			16:47			17:23	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39500	98.8	40000	39200	98.0	40000	39200	98.0
Antimony	2000	2010	100.5	2000	2010	100.5	2000	2000	100.0
Arsenic	2000	1980	99.0	2000	1970	98.5	2000	1960	98.0
Barium	2000	1980	99.0	2000	1980	99.0	2000	1970	98.5
Beryllium	2000	1960	98.0	2000	1940	97.0	2000	1940	97.0
Bismuth									
Boron									
Cadmium	2000	2010	100.5	2000	2010	100.5	2000	2010	100.5
Calcium	40000	40000	100.0	40000	39800	99.5	40000	39700	99.3
Cerium									
Chromium	2000	1970	98.5	2000	1960	98.0	2000	1950	97.5
Cobalt	2000	2040	102.0	2000	2040	102.0	2000	2030	101.5
Copper	2000	1960	98.0	2000	1950	97.5	2000	1930	96.5
Iron	40000	39600	99.0	40000	39500	98.8	40000	39400	98.5
Lead	2000	2040	102.0	2000	2040	102.0	2000	2030	101.5
Lithium	anr								
Magnesium	40000	39500	98.8	40000	39500	98.8	40000	39400	98.5
Manganese	2000	1990	99.5	2000	1950	97.5	2000	1960	98.0
Molybdenum									
Nickel	2000	2030	101.5	2000	2030	101.5	2000	2020	101.0
Phosphorus									
Potassium	40000	39100	97.8	40000	38700	96.8	40000	38900	97.3
Selenium	2000	2060	103.0	2000	2060	103.0	2000	2050	102.5
Silicon									
Silver	250	241	96.4	250	241	96.4	250	238	95.2
Sodium	40000	40600	101.5	40000	40400	101.0	40000	40400	101.0
Strontium									
Sulfur									
Thallium	2000	2050	102.5	2000	2040	102.0	2000	2030	101.5
Tin									
Titanium									
Tungsten									
Vanadium	2000	2010	100.5	2000	2010	100.5	2000	1990	99.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57390 Units: ug/l

Time:		16:17			16:47			17:23	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	2000	2020	101.0	2000	2020	101.0	2000	2020	101.0
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57390 Units: ug/l

Time:		18:24			19:24			20:24	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39000	97.5	40000	40000	100.0	40000	39000	97.5
Antimony	2000	1990	99.5	2000	2000	100.0	2000	2020	101.0
Arsenic	2000	1960	98.0	2000	1960	98.0	2000	1990	99.5
Barium	2000	1970	98.5	2000	1980	99.0	2000	1970	98.5
Beryllium	2000	1930	96.5	2000	1950	97.5	2000	1930	96.5
Bismuth									
Boron									
Cadmium	2000	2000	100.0	2000	2010	100.5	2000	2020	101.0
Calcium	40000	39500	98.8	40000	40300	100.8	40000	39500	98.8
Cerium									
Chromium	2000	1970	98.5	2000	1920	96.0	2000	1980	99.0
Cobalt	2000	2030	101.5	2000	2030	101.5	2000	2070	103.5
Copper	2000	1950	97.5	2000	1900	95.0	2000	1970	98.5
Iron	40000	39200	98.0	40000	39400	98.5	40000	39400	98.5
Lead	2000	2020	101.0	2000	2020	101.0	2000	2070	103.5
Lithium	anr								
Magnesium	40000	39400	98.5	40000	39300	98.3	40000	39500	98.8
Manganese	2000	1960	98.0	2000	1960	98.0	2000	1970	98.5
Molybdenum									
Nickel	2000	2020	101.0	2000	2020	101.0	2000	2060	103.0
Phosphorus									
Potassium	40000	38700	96.8	40000	39300	98.3	40000	38600	96.5
Selenium	2000	2040	102.0	2000	2050	102.5	2000	2100	105.0
Silicon									
Silver	250	241	96.4	250	233	93.2	250	246	98.4
Sodium	40000	40300	100.8	40000	40700	101.8	40000	40400	101.0
Strontium									
Sulfur									
Thallium	2000	2020	101.0	2000	2030	101.5	2000	2050	102.5
Tin									
Titanium									
Tungsten									
Vanadium	2000	2010	100.5	2000	1970	98.5	2000	2040	102.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57390 Units: ug/l

Time:		18:24			19:24			20:24	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	2000	2020	101.0	2000	2020	101.0	2000	2040	102.0
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57390 Units: ug/l

Time:		21:24			22:25			23:26	
Sample ID:	CCV	CCV12		CCV	CCV13		CCV	CCV14	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41200	103.0	40000	40400	101.0	40000	40500	101.3
Antimony	2000	2030	101.5	2000	2000	100.0	2000	1980	99.0
Arsenic	2000	1980	99.0	2000	1950	97.5	2000	1930	96.5
Barium	2000	2020	101.0	2000	1990	99.5	2000	1990	99.5
Beryllium	2000	1990	99.5	2000	1950	97.5	2000	1940	97.0
Bismuth									
Boron									
Cadmium	2000	2040	102.0	2000	2010	100.5	2000	1990	99.5
Calcium	40000	41300	103.3	40000	40500	101.3	40000	40400	101.0
Cerium									
Chromium	2000	1930	96.5	2000	1890	94.5	2000	1890	94.5
Cobalt	2000	2030	101.5	2000	2010	100.5	2000	1990	99.5
Copper	2000	1900	95.0	2000	1860	93.0	2000	1860	93.0
Iron	40000	40000	100.0	40000	39100	97.8	40000	38700	96.8
Lead	2000	2040	102.0	2000	2010	100.5	2000	1990	99.5
Lithium	anr								
Magnesium	40000	39900	99.8	40000	39200	98.0	40000	38900	97.3
Manganese	2000	1980	99.0	2000	1940	97.0	2000	1940	97.0
Molybdenum									
Nickel	2000	2030	101.5	2000	2000	100.0	2000	1990	99.5
Phosphorus									
Potassium	40000	40800	102.0	40000	40000	100.0	40000	40400	101.0
Selenium	2000	2060	103.0	2000	2040	102.0	2000	2010	100.5
Silicon									
Silver	250	233	93.2	250	228	91.2	250	227	90.8
Sodium	40000	41600	104.0	40000	41100	102.8	40000	41200	103.0
Strontium									
Sulfur									
Thallium	2000	2040	102.0	2000	2010	100.5	2000	2000	100.0
Tin									
Titanium									
Tungsten									
Vanadium	2000	1980	99.0	2000	1940	97.0	2000	1930	96.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57390 Units: ug/l

Time:		21:24			22:25			23:26	
Sample ID:	CCV	CCV12		CCV	CCV13		CCV	CCV14	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	2000	2050	102.5	2000	2030	101.5	2000	2010	100.5
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57390 Units: ug/l

Time:		00:26			01:27			02:28	
Sample ID:	CCV	CCV15		CCV	CCV16		CCV	CCV17	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	37400	93.5	40000	40700	101.8	40000	38800	97.0
Antimony	2000	2010	100.5	2000	2000	100.0	2000	2090	104.5
Arsenic	2000	1990	99.5	2000	1950	97.5	2000	2050	102.5
Barium	2000	1970	98.5	2000	2000	100.0	2000	2070	103.5
Beryllium	2000	1870	93.5	2000	1950	97.5	2000	1910	95.5
Bismuth									
Boron									
Cadmium	2000	2020	101.0	2000	2010	100.5	2000	2090	104.5
Calcium	40000	38100	95.3	40000	40500	101.3	40000	38700	96.8
Cerium									
Chromium	2000	2040	102.0	2000	1900	95.0	2000	2100	105.0
Cobalt	2000	2080	104.0	2000	2000	100.0	2000	2140	107.0
Copper	2000	2030	101.5	2000	1870	93.5	2000	2110	105.5
Iron	40000	38700	96.8	40000	38800	97.0	40000	38300	95.8
Lead	2000	2090	104.5	2000	2000	100.0	2000	2150	107.5
Lithium	anr								
Magnesium	40000	39300	98.3	40000	39100	97.8	40000	39500	98.8
Manganese	2000	1940	97.0	2000	1940	97.0	2000	2030	101.5
Molybdenum									
Nickel	2000	2060	103.0	2000	1990	99.5	2000	2110	105.5
Phosphorus									
Potassium	40000	37500	93.8	40000	40500	101.3	40000	40000	100.0
Selenium	2000	2120	106.0	2000	2030	101.5	2000	2190	109.5
Silicon									
Silver	250	257	102.8	250	229	91.6	250	267	106.8
Sodium	40000	40200	100.5	40000	41700	104.3	40000	42700	106.8
Strontium									
Sulfur									
Thallium	2000	2040	102.0	2000	2000	100.0	2000	2100	105.0
Tin									
Titanium									
Tungsten									
Vanadium	2000	2100	105.0	2000	1950	97.5	2000	2170	108.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57390 Units: ug/l

Time:		00:26			01:27			02:28	
Sample ID:	CCV	CCV15		CCV	CCV16		CCV	CCV17	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	2000	2040	102.0	2000	2030	101.5	2000	2100	105.0
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57390 Units: ug/l

Time:		03:27	
Sample ID:	CCV	CCV18	
Metal	True	Results	% Rec
Aluminum	40000	42100	105.3
Antimony	2000	2010	100.5
Arsenic	2000	1960	98.0
Barium	2000	2070	103.5
Beryllium	2000	1940	97.0
Bismuth			
Boron			
Cadmium	2000	2020	101.0
Calcium	40000	40500	101.3
Cerium			
Chromium	2000	1920	96.0
Cobalt	2000	2010	100.5
Copper	2000	1890	94.5
Iron	40000	37100	92.8
Lead	2000	2010	100.5
Lithium	anr		
Magnesium	40000	37700	94.3
Manganese	2000	1980	99.0
Molybdenum			
Nickel	2000	2010	100.5
Phosphorus			
Potassium	40000	43800	109.5
Selenium	2000	2040	102.0
Silicon			
Silver	250	229	91.6
Sodium	40000	43900	109.8
Strontium			
Sulfur			
Thallium	2000	2020	101.0
Tin			
Titanium			
Tungsten			
Vanadium	2000	1960	98.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57390 Units: ug/l

Time:		03:27	
Sample ID:	CCV	CCV18	
Metal	True	Results	% Rec
Zinc	2000	2030	101.5
Zirconium			

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 90 to 110 % Recovery Run ID: MA57390 Units: ug/l

Time:		11:46			11:52	
Sample ID:	HSTD	HSTD1		HSTD	HSTD2	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum				300000	295000	98.3
Antimony	8000	8180	102.3			
Arsenic	8000	7950	99.4			
Barium	8000	7850	98.1			
Beryllium	8000	7740	96.8			
Bismuth						
Boron						
Cadmium	8000	7830	97.9			
Calcium				200000	193000	96.5
Cerium						
Chromium	8000	8140	101.8			
Cobalt	8000	7960	99.5			
Copper	8000	8270	103.4			
Iron				200000	189000	94.5
Lead	8000	8080	101.0			
Lithium	anr					
Magnesium				300000	288000	96.0
Manganese	8000	8010	100.1			
Molybdenum						
Nickel	8000	8010	100.1			
Phosphorus						
Potassium				200000	197000	98.5
Selenium	8000	7810	97.6			
Silicon						
Silver	625	664	106.2			
Sodium				200000	197000	98.5
Strontium						
Sulfur						
Thallium	8000	8200	102.5			
Tin						
Titanium						
Tungsten						
Vanadium	8000	8030	100.4			

HIGH STANDARD CHECK SUMMARY

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 90 to 110 % Recovery Run ID: MA57390 Units: ug/l

Time:		11:46			11:52	
Sample ID:	HSTD	HSTD1		HSTD	HSTD2	
Metal	True	Results	% Rec	True	Results	% Rec
Zinc	8000	8060	100.8			
Zirconium						

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA57390 Units: ug/l

Time:				12:28		12:33		16:57	
Sample ID:	CRI	CRIA	CRID	CRI2		CRID2		CRID3	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	180	90.0	88.9	88.9	105	105.0
Antimony	6.0	20	3.0	6.60	110.0				
Arsenic	8.0	20	3.0	8.00	100.0	3.40	113.3	3.20	106.7
Barium	200		4.0	193	96.5	4.20	105.0	3.90	97.5
Beryllium	2.0		1.0	1.90	95.0	1.00	100.0	0.900	90.0
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	3.00	100.0	1.10	110.0	1.10	110.0
Calcium	5000	2000	1000	4960	99.2	1000	100.0	999	99.9
Cerium									
Chromium	10		2.0	10.1	101.0	2.00	100.0	1.70	85.0
Cobalt	50		3.0	50.3	100.6	3.40	113.3	3.60	120.0
Copper	10		2.0	10.4	104.0				
Iron	100	500		102	102.0				
Lead	3.0	20	2.5	3.10	103.3				
Lithium	50			anr					
Magnesium	5000	2000	100	5110	102.2	96.7	96.7	102	102.0
Manganese	15		3.0	15.0	100.0	3.10	103.3	3.00	100.0
Molybdenum	20								
Nickel	10		4.0	10.1	101.0	4.70	117.5	4.00	100.0
Phosphorus	50								
Potassium	5000		2000	5090	101.8	2060	103.0	2020	101.0
Selenium	10	20	5.0	10.0	100.0	4.50	90.0	5.00	100.0
Silicon	200								
Silver	5.0		2.0	4.90	98.0				
Sodium	5000		1000	5080	101.6	1020	102.0	1010	101.0
Strontium	10								
Sulfur	50								
Thallium	10		2.0	10.6	106.0			1.80	90.0
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	49.7	99.4	2.10	105.0	2.10	105.0

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA57390 Units: ug/l

Time:				12:28		12:33		16:57	
Sample ID:	CRI	CRIA	CRID	CRI2		CRID2		CRID3	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zinc	20		10	20.2	101.0	9.30	93.0	9.60	96.0
Zirconium	10								

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA57390 Units: ug/l

Time:				17:08		17:34		17:38	
Sample ID:	CRI	CRIA	CRID	CRID4		CRI3		CRID5	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	85.5	85.5	187	93.5	90.0	90.0
Antimony	6.0	20	3.0			6.80	113.3		
Arsenic	8.0	20	3.0	2.80	93.3	8.20	102.5	2.80	93.3
Barium	200		4.0	3.70	92.5	193	96.5	4.00	100.0
Beryllium	2.0		1.0	0.900	90.0	1.80	90.0	0.900	90.0
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	1.10	110.0	2.80	93.3	1.00	100.0
Calcium	5000	2000	1000	1010	101.0	5010	100.2	993	99.3
Cerium									
Chromium	10		2.0	1.80	90.0	9.50	95.0	1.60	80.0
Cobalt	50		3.0	3.30	110.0	50.4	100.8	3.40	113.3
Copper	10		2.0			9.60	96.0		
Iron	100	500				105	105.0		
Lead	3.0	20	2.5			3.60	120.0		
Lithium	50								
Magnesium	5000	2000	100	114	114.0	5020	100.4	97.1	97.1
Manganese	15		3.0	3.00	100.0	14.6	97.3	3.00	100.0
Molybdenum	20								
Nickel	10		4.0	4.00	100.0	10.4	104.0	3.90	97.5
Phosphorus	50								
Potassium	5000		2000	1950	97.5	4950	99.0	1970	98.5
Selenium	10	20	5.0			10.0	100.0	5.90	118.0
Silicon	200								
Silver	5.0		2.0			5.60	112.0		
Sodium	5000		1000	1000	100.0	5110	102.2	1000	100.0
Strontium	10								
Sulfur	50								
Thallium	10		2.0			8.90	89.0	1.70	85.0
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	2.30	115.0	49.4	98.8	2.00	100.0

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA57390 Units: ug/l

Time:				17:08		17:34		17:38	
Sample ID:	CRI	CRIA	CRID	CRID4		CRI3		CRID5	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zinc	20		10	9.50	95.0	21.1	105.5	9.40	94.0
Zirconium	10								

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 80 to 120 % Recovery Run ID: MA57390 Units: ug/l

Time:			11:35		11:41		17:13		17:18	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	489000	97.8	480000	96.0	492000	98.4	485000	97.0
Antimony		1000	-3.60		1070	107.0	-3.60		1090	109.0
Arsenic		1000	-1.50		1010	101.0	-0.900		1010	101.0
Barium		500	-1.60		478	95.6	-1.70		479	95.8
Beryllium		500	-0.600		470	94.0	-0.600		463	92.6
Bismuth		500	-3.70		534	106.8	3.10		544	108.8
Boron		500	-1.40		483	96.6	-4.40		496	99.2
Cadmium		1000	-0.600		983	98.3	-1.00		995	99.5
Calcium	400000	400000	372000	93.0	363000	90.8	373000	93.3	368000	92.0
Cerium			-18.8		-17.9		-23.1		-23.9	
Chromium		500	-1.50		468	93.6	-1.40		447	89.4
Cobalt		500	2.60		466	93.2	2.70		470	94.0
Copper		500	0.500		510	102.0	0.500		485	97.0
Iron	200000	200000	187000	93.5	185000	92.5	185000	92.5	184000	92.0
Lead		1000	-0.100		897	89.7	-2.20		904	90.4
Lithium		500	3.00		549	109.8	4.70		536	107.2
Magnesium	500000	500000	480000	96.0	476000	95.2	474000	94.8	470000	94.0
Manganese		500	-4.50		492	98.4	-4.50		476	95.2
Molybdenum		500	0.100		489	97.8	-0.500		483	96.6
Nickel		1000	0.200		942	94.2	0.400		940	94.0
Phosphorus		500	-7.70		464	92.8	-6.70		469	93.8
Potassium			-1.90		-25.9		-36.0		-58.8	
Selenium		1000	-2.50		980	98.0	-5.00		1010	101.0
Silicon		500	4.00		551	110.2	4.30		558	111.6
Silver		1000	-0.900		1070	107.0	-0.500		1030	103.0
Sodium			46.6		35.6		7.30		2.80	
Strontium		500	-0.700		467	93.4	-0.700		470	94.0
Sulfur		500	-0.400		492	98.4	-6.40		490	98.0
Thallium		1000	2.70		945	94.5	3.60		933	93.3
Tin		500	-1.80		493	98.6	-0.300		474	94.8
Titanium		500	-0.200		563	112.6	0.600		559	111.8
Tungsten		500	5.10		467	93.4	9.10		471	94.2
Vanadium		500	0.800		491	98.2	-1.50		485	97.0

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 80 to 120 % Recovery Run ID: MA57390 Units: ug/l

Time:			11:35		11:41		17:13		17:18	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Zinc		1000	-4.80		914	91.4	-4.20		918	91.8
Zirconium		500	-4.90		429	85.8	-3.90		409	81.8

(*) Outside of QC limits
(anr) Analyte not requested

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57400
Parameters: Cu

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:49	MA57400-STD1	1		STDA
10:54	MA57400-STD2	1		STDB
10:59	MA57400-ICV1	1		
11:05	MA57400-ICB1	1		
11:14	MA57400-ICCV1	1		
11:20	MA57400-ICCV2	1		
11:29	MA57400-CCB1	1		
11:34	MA57400-CRI1	1		
11:39	MA57400-CRID1	1		
11:44	MA57400-ICSA1	1		
11:49	MA57400-ICSAB1	1		
11:54	MA57400-HSTD1	1		
12:01	MA57400-HSTD2	1		
12:06	ZZZZZZ	1		
12:11	ZZZZZZ	1		
12:16	ZZZZZZ	1		
12:21	ZZZZZZ	1		
12:26	MA57400-CCV1	1		
12:31	MA57400-CCB2	1		
12:36	ZZZZZZ	1		
12:41	ZZZZZZ	1		
12:46	ZZZZZZ	1		
12:51	ZZZZZZ	1		
12:56	ZZZZZZ	1		
13:02	ZZZZZZ	1		
13:07	ZZZZZZ	1		
13:12	MA57400-CCV2	1		
13:17	MA57400-CCB3	1		
13:22	ZZZZZZ	1		
13:27	MP51156-S2	2		
13:49	ZZZZZZ	1		
13:54	MA57400-CRI2	1		
13:59	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57400
Parameters: Cu

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:04	MA57400-ICSA2	1		
14:09	MA57400-ICSAB2	1		
14:15	MA57400-CCV3	1		
14:20	MA57400-CCB4	1		
14:25	ZZZZZZ	1		
14:30	MA57400-CRID2	1		
14:35	MP51176-MB1	1		
14:40	MP51176-B1	1		
14:45	MP51176-S1	1		
14:50	MP51176-S2	1		
14:55	JE1170-1	1		(sample used for QC only; not part of login JE1296)
15:00	MP51176-SD1	5		
15:05	ZZZZZZ	1		
15:10	ZZZZZZ	1		
15:15	MA57400-CCV4	1		
15:20	MA57400-CCB5	1		
15:25	ZZZZZZ	1		
15:30	ZZZZZZ	1		
15:35	ZZZZZZ	1		
15:40	ZZZZZZ	1		
15:45	ZZZZZZ	1		
15:50	ZZZZZZ	1		
15:55	ZZZZZZ	1		
16:00	MP51182-MB1	1		
16:05	MP51182-B1	1		
16:10	MP51182-S1	1		
16:15	MA57400-CCV5	1		
16:20	MA57400-CCB6	1		
16:25	MP51182-S2	1		
16:30	JE1319-1	1		(sample used for QC only; not part of login JE1296)
16:35	MP51182-SD1	5		
16:39	ZZZZZZ	1		
16:45	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57400
Parameters: Cu

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:50	ZZZZZZ	1		
16:55	ZZZZZZ	1		
17:00	ZZZZZZ	1		
17:05	MA57400-CCV6	1		
17:10	MA57400-CCB7	1		
17:15	MP51179-MB1	1		
17:20	MP51179-B1	1		
17:25	MP51179-S1	1		
17:30	MP51179-S2	1		
17:35	JE705-5	1		(sample used for QC only; not part of login JE1296)
17:40	MP51179-SD1	5		
17:45	ZZZZZZ	1		
17:50	ZZZZZZ	1		
17:55	ZZZZZZ	1		
18:00	ZZZZZZ	1		
18:05	MA57400-CCV7	1		
18:10	MA57400-CCB8	1		
18:15	ZZZZZZ	1		
18:20	ZZZZZZ	1		
18:25	ZZZZZZ	1		
18:30	ZZZZZZ	1		
18:35	ZZZZZZ	1		
18:40	MP51178-MB1	1		
18:45	MP51178-B1	1		
18:50	MP51178-S1	1		
18:55	MP51178-S2	1		
19:00	JE704-1	1		(sample used for QC only; not part of login JE1296)
19:05	MA57400-CCV8	1		
19:10	MA57400-CCB9	1		
19:15	MP51178-SD1	5		
19:20	ZZZZZZ	1		
19:25	ZZZZZZ	1		
19:30	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57400
Parameters: Cu

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:34	ZZZZZZ	1		
19:39	ZZZZZZ	1		
19:44	ZZZZZZ	1		
19:49	ZZZZZZ	1		
19:54	ZZZZZZ	1		
19:59	ZZZZZZ	1		
20:04	MA57400-CCV9	1		
20:09	MA57400-CCB10	1		
20:14	ZZZZZZ	1		
20:19	MP51152-S1	5		
20:24	MP51152-S2	5		
20:29	JE1082-31	5		(sample used for QC only; not part of login JE1296)
20:34	MP51152-SD1	25		
20:39	MP51147-MB1	1		
20:44	MP51147-S1	1		
20:49	MP51147-S2	1		
20:54	MA57400-CCV10	1		
20:59	MA57400-CCB11	1		
21:04	JE1240-2	1		(sample used for QC only; not part of login JE1296)
21:09	MP51147-SD1	5		
---------->	Last reportable sample/prep for job JE1296			
21:14	ZZZZZZ	2		
21:19	ZZZZZZ	10		
21:25	ZZZZZZ	2		
21:30	ZZZZZZ	10		
21:35	ZZZZZZ	2		
21:40	ZZZZZZ	10		
21:45	ZZZZZZ	2		
21:50	ZZZZZZ	10		
21:55	MA57400-CCV11	1		
22:00	MA57400-CCB12	1		
---------->	Last reportable CCB for job JE1296			
22:05	MP51154-S1	5		
22:10	MP51154-S1	10		
22:15	MP51154-S2	5		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57400
Parameters: Cu

Time	Sample Description	Dilution Factor	PS Recov	Comments
22:20	MP51154-S2	10		
22:25	JE1263-1	5		(sample used for QC only; not part of login JE1296)
22:30	JE1263-1	10		(sample used for QC only; not part of login JE1296)
22:35	MP51154-SD1	25		
22:40	MP51154-SD1	50		
22:45	ZZZZZZ	2		
22:51	ZZZZZZ	5		
22:56	MA57400-CCV12	1		
23:01	MA57400-CCB13	1		
23:06	MP51170-MB	1		
23:11	MP51170-B1	1		
23:16	MP51170-S1	1		
23:21	MP51170-S2	1		
23:26	JE1221-1	1		(sample used for QC only; not part of login JE1296)
23:31	MP51170-SD1	5		
23:36	ZZZZZZ	1		
23:41	ZZZZZZ	1		
23:46	ZZZZZZ	1		
23:51	ZZZZZZ	1		
23:56	MA57400-CCV13	1		
00:01	MA57400-CCB14	1		
00:06	ZZZZZZ	1		
00:11	ZZZZZZ	1		
00:16	ZZZZZZ	1		
00:21	ZZZZZZ	1		
00:26	ZZZZZZ	1		
00:31	ZZZZZZ	1		
00:36	ZZZZZZ	1		
00:41	ZZZZZZ	1		
00:46	ZZZZZZ	1		
00:51	ZZZZZZ	1		
00:56	MA57400-CCV14	1		
01:01	MA57400-CCB15	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57400
Parameters: Cu

Time	Sample Description	Dilution Factor	PS Recov	Comments
01:06	ZZZZZZ	1		
01:11	ZZZZZZ	1		
01:16	ZZZZZZ	1		
01:21	ZZZZZZ	1		
01:26	MP51207-B1	1		
01:31	MP51207-MB1	1		
01:36	MP51207-S1	1		
01:41	MP51207-S2	1		
01:46	JE1250-1	1		(sample used for QC only; not part of login JE1296)
01:51	MP51207-SD1	5		
01:56	MA57400-CCV15	1		
02:01	MA57400-CCB16	1		
02:06	ZZZZZZ	1		
02:11	ZZZZZZ	1		
02:16	ZZZZZZ	1		
02:21	ZZZZZZ	1		
02:26	MP51184-S1	1		
02:31	MP51184-S2	1		
02:36	JE1357-1	1		(sample used for QC only; not part of login JE1296)
02:41	MP51184-SD1	5		
02:46	ZZZZZZ	1		
02:51	ZZZZZZ	1		
02:56	MA57400-CCV16	1		
03:01	MA57400-CCB17	1		
03:06	ZZZZZZ	1		
03:11	MA57400-CCV17	1		
03:16	MA57400-CCB18	1		
03:22	ZZZZZZ	1		
03:27	ZZZZZZ	1		
03:32	ZZZZZZ	1		
03:37	ZZZZZZ	1		
03:42	ZZZZZZ	1		

Refer to raw data for calibration curve and standards.

REPORTED ELEMENTS SUMMARY

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57400
Parameters: Cu

Time	Sample Description	Element: Dilution	Cu
10:59	MA57400-ICV1	1	X
11:05	MA57400-ICB1	1	X
11:14	MA57400-ICCV1	1	
11:20	MA57400-ICCV2	1	X
11:29	MA57400-CCB1	1	X
11:34	MA57400-CRI1	1	X
11:39	MA57400-CRID1	1	X
11:44	MA57400-ICSA1	1	X
11:49	MA57400-ICSAB1	1	X
11:54	MA57400-HSTD1	1	X
12:01	MA57400-HSTD2	1	X
12:06	ZZZZZZ	1	
12:11	ZZZZZZ	1	
12:16	ZZZZZZ	1	
12:21	ZZZZZZ	1	
12:26	MA57400-CCV1	1	X
12:31	MA57400-CCB2	1	X
12:36	ZZZZZZ	1	
12:41	ZZZZZZ	1	
12:46	ZZZZZZ	1	
12:51	ZZZZZZ	1	
12:56	ZZZZZZ	1	
13:02	ZZZZZZ	1	
13:07	ZZZZZZ	1	
13:12	MA57400-CCV2	1	X
13:17	MA57400-CCB3	1	X
13:22	ZZZZZZ	1	
13:27	MP51156-S2	2	
13:49	ZZZZZZ	1	
13:54	MA57400-CRI2	1	X
13:59	ZZZZZZ	1	
14:04	MA57400-ICSA2	1	X
14:09	MA57400-ICSAB2	1	X
		Element:	Cu

REPORTED ELEMENTS SUMMARY

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57400
Parameters: Cu

Time	Sample Description	Element: Dilution	Cu	
14:15	MA57400-CCV3	1	X	
14:20	MA57400-CCB4	1	X	
14:25	ZZZZZZ	1		
14:30	MA57400-CRID2	1	X	
14:35	MP51176-MB1	1	X	
14:40	MP51176-B1	1	X	
14:45	MP51176-S1	1	X	
14:50	MP51176-S2	1	X	
14:55	JE1170-1	1	X	(a)
15:00	MP51176-SD1	5	X	
15:05	ZZZZZZ	1		
15:10	ZZZZZZ	1		
15:15	MA57400-CCV4	1	X	
15:20	MA57400-CCB5	1	X	
15:25	ZZZZZZ	1		
15:30	ZZZZZZ	1		
15:35	ZZZZZZ	1		
15:40	ZZZZZZ	1		
15:45	ZZZZZZ	1		
15:50	ZZZZZZ	1		
15:55	ZZZZZZ	1		
16:00	MP51182-MB1	1	X	
16:05	MP51182-B1	1	X	
16:10	MP51182-S1	1	X	
16:15	MA57400-CCV5	1	X	
16:20	MA57400-CCB6	1	X	
16:25	MP51182-S2	1	X	
16:30	JE1319-1	1	X	(a)
16:35	MP51182-SD1	5	X	
16:39	ZZZZZZ	1		
16:45	ZZZZZZ	1		
16:50	ZZZZZZ	1		
16:55	ZZZZZZ	1		
		Element:	Cu	

REPORTED ELEMENTS SUMMARY

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57400
Parameters: Cu

Time	Sample Description	Element: Dilution	Cu	
17:00	ZZZZZZ	1		
17:05	MA57400-CCV6	1	X	
17:10	MA57400-CCB7	1	X	
17:15	MP51179-MB1	1		
17:20	MP51179-B1	1		
17:25	MP51179-S1	1		
17:30	MP51179-S2	1		
17:35	JE705-5	1		(a)
17:40	MP51179-SD1	5		
17:45	ZZZZZZ	1		
17:50	ZZZZZZ	1		
17:55	ZZZZZZ	1		
18:00	ZZZZZZ	1		
18:05	MA57400-CCV7	1	X	
18:10	MA57400-CCB8	1	X	
18:15	ZZZZZZ	1		
18:20	ZZZZZZ	1		
18:25	ZZZZZZ	1		
18:30	ZZZZZZ	1		
18:35	ZZZZZZ	1		
18:40	MP51178-MB1	1		
18:45	MP51178-B1	1		
18:50	MP51178-S1	1		
18:55	MP51178-S2	1		
19:00	JE704-1	1		(a)
19:05	MA57400-CCV8	1	X	
19:10	MA57400-CCB9	1	X	
19:15	MP51178-SD1	5		
19:20	ZZZZZZ	1		
19:25	ZZZZZZ	1		
19:30	ZZZZZZ	1		
19:34	ZZZZZZ	1		
19:39	ZZZZZZ	1		
		Element:	Cu	

REPORTED ELEMENTS SUMMARY

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57400
Parameters: Cu

Time	Sample Description	Element: Dilution	Cu	
19:44	ZZZZZZ	1		
19:49	ZZZZZZ	1		
19:54	ZZZZZZ	1		
19:59	ZZZZZZ	1		
20:04	MA57400-CCV9	1	X	
20:09	MA57400-CCB10	1	X	
20:14	ZZZZZZ	1		
20:19	MP51152-S1	5		
20:24	MP51152-S2	5		
20:29	JE1082-31	5		(a)
20:34	MP51152-SD1	25		
20:39	MP51147-MB1	1	X	
20:44	MP51147-S1	1	X	
20:49	MP51147-S2	1	X	
20:54	MA57400-CCV10	1	X	
20:59	MA57400-CCB11	1	X	
21:04	JE1240-2	1	X	(a)
21:09	MP51147-SD1	5	X	
21:14	ZZZZZZ	2		
21:19	ZZZZZZ	10		
21:25	ZZZZZZ	2		
21:30	ZZZZZZ	10		
21:35	ZZZZZZ	2		
21:40	ZZZZZZ	10		
21:45	ZZZZZZ	2		
21:50	ZZZZZZ	10		
21:55	MA57400-CCV11	1	X	
22:00	MA57400-CCB12	1	X	
22:05	MP51154-S1	5		
22:10	MP51154-S1	10		
22:15	MP51154-S2	5		
22:20	MP51154-S2	10		
22:25	JE1263-1	5		(a)
		Element:	Cu	

REPORTED ELEMENTS SUMMARY

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57400
Parameters: Cu

Time	Sample Description	Element: Dilution	C u	
22:30	JE1263-1	10		
22:35	MP51154-SD1	25		
22:40	MP51154-SD1	50		
22:45	ZZZZZZ	2		
22:51	ZZZZZZ	5		
22:56	MA57400-CCV12	1	X	
23:01	MA57400-CCB13	1	X	
23:06	MP51170-MB	1		
23:11	MP51170-B1	1		
23:16	MP51170-S1	1		
23:21	MP51170-S2	1		
23:26	JE1221-1	1		(a)
23:31	MP51170-SD1	5		
23:36	ZZZZZZ	1		
23:41	ZZZZZZ	1		
23:46	ZZZZZZ	1		
23:51	ZZZZZZ	1		
23:56	MA57400-CCV13	1	X	
00:01	MA57400-CCB14	1	X	
00:06	ZZZZZZ	1		
00:11	ZZZZZZ	1		
00:16	ZZZZZZ	1		
00:21	ZZZZZZ	1		
00:26	ZZZZZZ	1		
00:31	ZZZZZZ	1		
00:36	ZZZZZZ	1		
00:41	ZZZZZZ	1		
00:46	ZZZZZZ	1		
00:51	ZZZZZZ	1		
00:56	MA57400-CCV14	1	X	
01:01	MA57400-CCB15	1	X	
01:06	ZZZZZZ	1		
01:11	ZZZZZZ	1		
		Element:	C u	

REPORTED ELEMENTS SUMMARY

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57400
Parameters: Cu

Time	Sample Description	Element: Dilution	C u	
01:16	ZZZZZZ	1		
01:21	ZZZZZZ	1		
01:26	MP51207-B1	1		
01:31	MP51207-MB1	1		
01:36	MP51207-S1	1		
01:41	MP51207-S2	1		
01:46	JE1250-1	1		(a)
01:51	MP51207-SD1	5		
01:56	MA57400-CCV15	1	X	
02:01	MA57400-CCB16	1	X	
02:06	ZZZZZZ	1		
02:11	ZZZZZZ	1		
02:16	ZZZZZZ	1		
02:21	ZZZZZZ	1		
02:26	MP51184-S1	1	X	
02:31	MP51184-S2	1	X	
02:36	JE1357-1	1		(a)
02:41	MP51184-SD1	5	X	
02:46	ZZZZZZ	1		
02:51	ZZZZZZ	1		
02:56	MA57400-CCV16	1	X	
03:01	MA57400-CCB17	1	X	
03:06	ZZZZZZ	1		
03:11	MA57400-CCV17	1	X	
03:16	MA57400-CCB18	1	X	
03:22	ZZZZZZ	1		
03:27	ZZZZZZ	1		
03:32	ZZZZZZ	1		
03:37	ZZZZZZ	1		
03:42	ZZZZZZ	1		

(a) Sample used for QC only; not part of login JE1296.

Element:	C u

INTERNAL STANDARD SUMMARY

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57400
Parameters: Cu

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:49	MA57400-STD1	8002 R	254750 R	23810 R	18717 R
10:54	MA57400-STD2	7606	235020	22992	17128
10:59	MA57400-ICV1	7858	240600	23717	17653
11:05	MA57400-ICB1	8092	239620	24768	18796
11:14	MA57400-ICCV1	No results reported for the elements associated with this internal standard.			
11:20	MA57400-ICCV2	7756	246370	23341	17559
11:29	MA57400-CCB1	7965	256490	23788	18675
11:34	MA57400-CRI1	7961	251130	23641	18473
11:39	MA57400-CRID1	7963	249890	23634	18590
11:44	MA57400-ICSA1	7263	221960	23086	16246
11:49	MA57400-ICSAB1	7273	220040	22994	16262
11:54	MA57400-HSTD1	7907	241920	23820	18506
12:01	MA57400-HSTD2	7291	219760	23059	16180
12:06	ZZZZZZ	8028	241650	24231	19077
12:11	ZZZZZZ	8319	218240	25863	17594
12:16	ZZZZZZ	7542	226300	24098	16920
12:21	ZZZZZZ	8020	254170	23750	18623
12:26	MA57400-CCV1	7778	245400	23172	17585
12:31	MA57400-CCB2	8007	256100	23581	18698
12:36	ZZZZZZ	8095	252750	23793	18910
12:41	ZZZZZZ	8079	258430	24026	18874
12:46	ZZZZZZ	7957	249270	23525	18422
12:51	ZZZZZZ	8017	249560	23862	18784
12:56	ZZZZZZ	8007	255700	23805	18648
13:02	ZZZZZZ	7979	248720	23554	18593
13:07	ZZZZZZ	8141	248680	24122	18823
13:12	MA57400-CCV2	7849	222220	24550	17566
13:17	MA57400-CCB3	8082	235760	24959	18747
13:22	ZZZZZZ	7961	248240	23832	18154
13:27	MP51156-S2	7934	252230	23879	18154
13:49	ZZZZZZ	8024	253920	23658	18797
13:54	MA57400-CRI2	7918	245620	23404	18354
13:59	ZZZZZZ	7994	246760	23535	18571

INTERNAL STANDARD SUMMARY

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57400
Parameters: Cu

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:04	MA57400-ICSA2	7298	217710	22791	16225
14:09	MA57400-ICSAB2	7298	217160	22842	16274
14:15	MA57400-CCV3	7798	237160	23289	17505
14:20	MA57400-CCB4	8048	252300	23510	18690
14:25	ZZZZZZ	8042	246870	23649	18494
14:30	MA57400-CRID2	8103	235800	24635	18701
14:35	MP51176-MB1	8306	233950	26026	19370
14:40	MP51176-B1	8029	242960	24485	18229
14:45	MP51176-S1	7668	239730	23163	17281
14:50	MP51176-S2	7627	242610	23127	17279
14:55	JE1170-1	7557	246380	23241	17456
15:00	MP51176-SD1	7880	251760	23469	18386
15:05	ZZZZZZ	7762	240010	23434	17329
15:10	ZZZZZZ	7872	245130	23505	18171
15:15	MA57400-CCV4	7712	240740	23386	17395
15:20	MA57400-CCB5	7987	252000	23488	18659
15:25	ZZZZZZ	7878	245620	23535	18096
15:30	ZZZZZZ	7897	241580	23489	18163
15:35	ZZZZZZ	7907	244160	23495	18255
15:40	ZZZZZZ	7697	237330	23177	17674
15:45	ZZZZZZ	7694	234160	23189	17633
15:50	ZZZZZZ	7898	235360	23762	17872
15:55	ZZZZZZ	8100	232130	25108	18561
16:00	MP51182-MB1	8191	242020	24786	19147
16:05	MP51182-B1	7894	245650	23662	17999
16:10	MP51182-S1	7743	240160	23364	17343
16:15	MA57400-CCV5	7640	241880	22767	17302
16:20	MA57400-CCB6	7907	253280	23061	18514
16:25	MP51182-S2	7704	242250	23420	17262
16:30	JE1319-1	7783	243260	23341	17714
16:35	MP51182-SD1	7896	247930	23177	18286
16:39	ZZZZZZ	7575	229280	23002	16723
16:45	ZZZZZZ	7961	227560	24383	17748

INTERNAL STANDARD SUMMARY

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57400
Parameters: Cu

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:50	ZZZZZZ	7367	211670	24172	16059
16:55	ZZZZZZ	7805	237060	23751	17753
17:00	ZZZZZZ	7816	245540	22872	17898
17:05	MA57400-CCV6	7650	241150	22462	17353
17:10	MA57400-CCB7	7886	254820	22761	18487
17:15	MP51179-MB1	8012	255240	22943	18910
17:20	MP51179-B1	8132	250930	23001	19093
17:25	MP51179-S1	7898	227510	23802	17764
17:30	MP51179-S2	7814	222750	24236	17625
17:35	JE705-5	7715	231020	23419	17523
17:40	MP51179-SD1	7838	249060	22894	18196
17:45	ZZZZZZ	7628	241920	22487	17458
17:50	ZZZZZZ	7625	241400	22378	17428
17:55	ZZZZZZ	7798	237890	23057	17649
18:00	ZZZZZZ	7839	223890	24144	17666
18:05	MA57400-CCV7	7647	225660	23107	17197
18:10	MA57400-CCB8	7867	247420	22804	18404
18:15	ZZZZZZ	7570	239060	22244	17311
18:20	ZZZZZZ	7590	239720	22033	17342
18:25	ZZZZZZ	7637	234270	22057	17399
18:30	ZZZZZZ	7786	229830	22979	17560
18:35	ZZZZZZ	7896	231620	24106	18187
18:40	MP51178-MB1	8000	245810	23367	18832
18:45	MP51178-B1	7916	249570	22564	18701
18:50	MP51178-S1	7576	240260	22125	17330
18:55	MP51178-S2	7730	239140	22384	17513
19:00	JE704-1	7824	226040	23832	17641
19:05	MA57400-CCV8	7598	225190	22840	17163
19:10	MA57400-CCB9	7794	244040	22313	18275
19:15	MP51178-SD1	7786	248190	22280	18090
19:20	ZZZZZZ	7727	238770	22243	17575
19:25	ZZZZZZ	7831	232220	23341	17701
19:30	ZZZZZZ	7750	227060	23793	17556

INTERNAL STANDARD SUMMARY

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57400
Parameters: Cu

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
19:34	ZZZZZZ	7656	231440	22809	17425
19:39	ZZZZZZ	7587	235400	22096	17336
19:44	ZZZZZZ	7661	240250	21813	17445
19:49	ZZZZZZ	7779	234880	22694	17579
19:54	ZZZZZZ	7798	225170	23756	17619
19:59	ZZZZZZ	7641	233660	23087	17413
20:04	MA57400-CCV9	7557	235570	21920	17151
20:09	MA57400-CCB10	7869	252750	22026	18434
20:14	ZZZZZZ	7825	248990	22296	18098
20:19	MP51152-S1	7687	225160	23461	17282
20:24	MP51152-S2	7665	230620	23307	17322
20:29	JE1082-31	7660	242170	22568	17450
20:34	MP51152-SD1	7741	246090	21903	18032
20:39	MP51147-MB1	7819	249990	21960	18241
20:44	MP51147-S1	7617	221620	22817	17043
20:49	MP51147-S2	7503	224680	22374	16855
20:54	MA57400-CCV10	7585	234410	21793	17152
20:59	MA57400-CCB11	7848	253000	22019	18389
21:04	JE1240-2	7579	238620	21663	17341
21:09	MP51147-SD1	7863	232130	22746	18170
21:14	ZZZZZZ	6425	182940	21023	13811
21:19	ZZZZZZ	7184	217800	21596	15894
21:25	ZZZZZZ	6278	191270	20268	13574
21:30	ZZZZZZ	7123	223740	20883	15665
21:35	ZZZZZZ	6370	183190	20735	13654
21:40	ZZZZZZ	7408	210190	21945	16212
21:45	ZZZZZZ	6284	188860	20390	13509
21:50	ZZZZZZ	6913	219130	21407	15341
21:55	MA57400-CCV11	7581	240280	21124	17168
22:00	MA57400-CCB12	7819	239350	21915	18197
22:05	MP51154-S1	7439	215740	22259	16405
22:10	MP51154-S1	No results reported for the elements associated with this internal standard.			
22:15	MP51154-S2	7446	232840	21244	16511

INTERNAL STANDARD SUMMARY

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57400
Parameters: Cu

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
22:20	MP51154-S2	No results reported for the elements associated with this internal standard.			
22:25	JE1263-1	7630	231950	21989	16745
22:30	JE1263-1	No results reported for the elements associated with this internal standard.			
22:35	MP51154-SD1	7998	239560	22803	18103
22:40	MP51154-SD1	No results reported for the elements associated with this internal standard.			
22:45	ZZZZZZ	7289	234130	20951	18552
22:51	ZZZZZZ	7670	243540	21083	18375
22:56	MA57400-CCV12	7778	226560	21702	17396
23:01	MA57400-CCB13	8001	237070	22502	18546
23:06	MP51170-MB	7908	247130	21691	18421
23:11	MP51170-B1	7659	241870	21016	17465
23:16	MP51170-S1	7624	237670	20823	17164
23:21	MP51170-S2	7644	227720	21574	17094
23:26	JE1221-1	7742	229050	22212	17673
23:31	MP51170-SD1	7811	239440	21425	18185
23:36	ZZZZZZ	7668	239570	20913	17648
23:41	ZZZZZZ	7768	241800	20896	17745
23:46	ZZZZZZ	7780	235250	21694	17778
23:51	ZZZZZZ	7817	229250	22352	17853
23:56	MA57400-CCV13	7659	233540	21013	17200
00:01	MA57400-CCB14	7907	250230	21066	18423
00:06	ZZZZZZ	7826	243900	21269	17959
00:11	ZZZZZZ	7880	234370	22115	18006
00:16	ZZZZZZ	7684	227670	21877	17312
00:21	ZZZZZZ	7552	234390	21123	16927
00:26	ZZZZZZ	7537	234660	20832	16856
00:31	ZZZZZZ	7668	233590	21158	17019
00:36	ZZZZZZ	7781	224550	22376	17447
00:41	ZZZZZZ	7689	230520	21746	17368
00:46	ZZZZZZ	7665	235340	20796	17285
00:51	ZZZZZZ	7943	251150	20929	18474
00:56	MA57400-CCV14	7725	230260	21077	17271
01:01	MA57400-CCB15	8023	240360	22250	18543

INTERNAL STANDARD SUMMARY

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57400
Parameters: Cu

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
01:06	ZZZZZZ	7720	233810	21385	17557
01:11	ZZZZZZ	7616	238650	20815	17217
01:16	ZZZZZZ	7990	248330	21029	18465
01:21	ZZZZZZ	7733	225680	21801	17345
01:26	MP51207-B1	7999	231910	22138	18032
01:31	MP51207-MB1	8050	250290	21395	18819
01:36	MP51207-S1	7818	238910	20909	17714
01:41	MP51207-S2	8046	237420	21331	18046
01:46	JE1250-1	8228	236430	22821	19023
01:51	MP51207-SD1	8073	245020	22109	18687
01:56	MA57400-CCV15	7693	237300	20733	17258
02:01	MA57400-CCB16	7986	252760	20848	18501
02:06	ZZZZZZ	8201	246580	21910	19019
02:11	ZZZZZZ	7790	223460	22717	16515
02:16	ZZZZZZ	7753	237960	21238	17578
02:21	ZZZZZZ	7901	248020	21230	18153
02:26	MP51184-S1	7906	243770	21009	17742
02:31	MP51184-S2	7863	235330	22279	17607
02:36	JE1357-1	8060	239230	22121	18325
02:41	MP51184-SD1	8029	249870	21255	18524
02:46	ZZZZZZ	8223	250500	20942	18988
02:51	ZZZZZZ	8075	244840	21829	18591
02:56	MA57400-CCV16	7771	227150	21994	17278
03:01	MA57400-CCB17	7987	247230	21268	18476
03:06	ZZZZZZ	7972	250250	21008	18505
03:11	MA57400-CCV17	7738	239280	20626	17216
03:16	MA57400-CCB18	8074	237720	21878	18508
03:22	ZZZZZZ	7851	235070	21917	17681
03:27	ZZZZZZ	7262	218410	19903	16210
03:32	ZZZZZZ	7847	248230	20397	18281
03:37	ZZZZZZ	7922	241420	20765	18333
03:42	ZZZZZZ	8034	237020	21944	18548

R = Reference for ISTD limits. ! = Outside limits.

INTERNAL STANDARD SUMMARY

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57400
Parameters: Cu

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %
Istd#2	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %
Istd#4	Indium	70-130 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57400 Units: ug/l

Time:			11:05		11:29		12:31		13:17	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	27	anr							
Antimony	6.0	2.2	anr							
Arsenic	3.0	1.3	anr							
Barium	200	1	anr							
Beryllium	1.0	.2								
Bismuth	20	2.1	anr							
Boron	100	1								
Cadmium	3.0	.2	anr							
Calcium	5000	7.7	anr							
Cerium	100									
Chromium	10	.5	anr							
Cobalt	50	.4								
Copper	10	6.8	1.80	<10	-0.200	<10	-0.200	<10	2.40	<10
Iron	100	15	anr							
Lead	3.0	1.6	anr							
Lithium	50	3.7	anr							
Magnesium	5000	54	anr							
Manganese	15	.1	anr							
Molybdenum	20	.5								
Nickel	10	.3	anr							
Phosphorus	50	1.8								
Potassium	10000	77								
Selenium	10	2	anr							
Silicon	200	1.3								
Silver	10	.9	anr							
Sodium	10000	23	anr							
Strontium	10	.4								
Sulfur	50	4.1								
Thallium	10	1.6								
Tin	10	.9								
Titanium	10	.9								
Tungsten	50	2								
Vanadium	50	.8								

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57400 Units: ug/l

Time:			11:05		11:29		12:31		13:17	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.2	anr							
Zirconium	10	.5								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57400 Units: ug/l

Time:			14:20		15:20		16:20		17:10	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	27	anr							
Antimony	6.0	2.2	anr							
Arsenic	3.0	1.3	anr							
Barium	200	1	anr							
Beryllium	1.0	.2								
Bismuth	20	2.1	anr							
Boron	100	1								
Cadmium	3.0	.2	anr							
Calcium	5000	7.7	anr							
Cerium	100									
Chromium	10	.5	anr							
Cobalt	50	.4								
Copper	10	6.8	0.100	<10	-0.200	<10	-0.100	<10	-0.200	<10
Iron	100	15	anr							
Lead	3.0	1.6	anr							
Lithium	50	3.7	anr							
Magnesium	5000	54	anr							
Manganese	15	.1	anr							
Molybdenum	20	.5								
Nickel	10	.3	anr							
Phosphorus	50	1.8								
Potassium	10000	77								
Selenium	10	2	anr							
Silicon	200	1.3								
Silver	10	.9	anr							
Sodium	10000	23	anr							
Strontium	10	.4								
Sulfur	50	4.1								
Thallium	10	1.6								
Tin	10	.9								
Titanium	10	.9								
Tungsten	50	2								
Vanadium	50	.8								

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57400 Units: ug/l

Time: / Sample ID:			14:20 CCB4		15:20 CCB5		16:20 CCB6		17:10 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.2	anr							
Zirconium	10	.5								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57400 Units: ug/l

Time:			18:10		19:10		20:09		20:59	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	27	anr							
Antimony	6.0	2.2	anr							
Arsenic	3.0	1.3	anr							
Barium	200	1	anr							
Beryllium	1.0	.2								
Bismuth	20	2.1	anr							
Boron	100	1								
Cadmium	3.0	.2	anr							
Calcium	5000	7.7	anr							
Cerium	100									
Chromium	10	.5	anr							
Cobalt	50	.4								
Copper	10	6.8	0.100	<10	0.100	<10	-0.300	<10	-0.300	<10
Iron	100	15	anr							
Lead	3.0	1.6	anr							
Lithium	50	3.7	anr							
Magnesium	5000	54	anr							
Manganese	15	.1	anr							
Molybdenum	20	.5								
Nickel	10	.3	anr							
Phosphorus	50	1.8								
Potassium	10000	77								
Selenium	10	2	anr							
Silicon	200	1.3								
Silver	10	.9	anr							
Sodium	10000	23	anr							
Strontium	10	.4								
Sulfur	50	4.1								
Thallium	10	1.6								
Tin	10	.9								
Titanium	10	.9								
Tungsten	50	2								
Vanadium	50	.8								

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57400 Units: ug/l

Time: / Sample ID:			18:10 CCB8		19:10 CCB9		20:09 CCB10		20:59 CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.2	anr							
Zirconium	10	.5								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57400 Units: ug/l

Time:			22:00	
Sample ID:			CCB12	
Metal	RL	IDL	raw	final
Aluminum	200	27	anr	
Antimony	6.0	2.2	anr	
Arsenic	3.0	1.3	anr	
Barium	200	1	anr	
Beryllium	1.0	.2		
Bismuth	20	2.1	anr	
Boron	100	1		
Cadmium	3.0	.2	anr	
Calcium	5000	7.7	anr	
Cerium	100			
Chromium	10	.5	anr	
Cobalt	50	.4		
Copper	10	6.8	0.700	<10
Iron	100	15	anr	
Lead	3.0	1.6	anr	
Lithium	50	3.7	anr	
Magnesium	5000	54	anr	
Manganese	15	.1	anr	
Molybdenum	20	.5		
Nickel	10	.3	anr	
Phosphorus	50	1.8		
Potassium	10000	77		
Selenium	10	2	anr	
Silicon	200	1.3		
Silver	10	.9	anr	
Sodium	10000	23	anr	
Strontium	10	.4		
Sulfur	50	4.1		
Thallium	10	1.6		
Tin	10	.9		
Titanium	10	.9		
Tungsten	50	2		
Vanadium	50	.8		

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57400 Units: ug/l

Time:			22:00	
Sample ID:			CCB12	
Metal	RL	IDL	raw	final
Zinc	20	.2	anr	
Zirconium	10	.5		

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
QC Limits: to % Recovery Run ID: MA57400 Units: ug/l

Time:		11:20	
Sample ID:	ICCV	ICCV2	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium			
Bismuth	anr		
Boron			
Cadmium	anr		
Calcium	anr		
Cerium			
Chromium	anr		
Cobalt			
Copper	2000	1970	98.5
Iron	anr		
Lead	anr		
Lithium	anr		
Magnesium	anr		
Manganese	anr		
Molybdenum			
Nickel	anr		
Phosphorus			
Potassium			
Selenium	anr		
Silicon			
Silver	anr		
Sodium	anr		
Strontium			
Sulfur			
Thallium			
Tin			
Titanium			
Tungsten			
Vanadium			

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
QC Limits: to % Recovery Run ID: MA57400 Units: ug/l

Time:		11:20	
Sample ID:	ICCV	ICCV2	
Metal	True	Results	% Rec
Zinc	anr		
Zirconium			

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57400 Units: ug/l

Time:		10:59			12:26			13:12	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium									
Bismuth	anr								
Boron									
Cadmium	anr								
Calcium	anr								
Cerium									
Chromium	anr								
Cobalt									
Copper	2000	1990	99.5	2000	1970	98.5	2000	2180	109.0
Iron	anr								
Lead	anr								
Lithium	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Phosphorus									
Potassium									
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Strontium									
Sulfur									
Thallium									
Tin									
Titanium									
Tungsten									
Vanadium									

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57400 Units: ug/l

Time:		10:59			12:26			13:12	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	anr								
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57400 Units: ug/l

Time:		14:15			15:15			16:15	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium									
Bismuth	anr								
Boron									
Cadmium	anr								
Calcium	anr								
Cerium									
Chromium	anr								
Cobalt									
Copper	2000	2030	101.5	2000	1990	99.5	2000	1980	99.0
Iron	anr								
Lead	anr								
Lithium	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Phosphorus									
Potassium									
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Strontium									
Sulfur									
Thallium									
Tin									
Titanium									
Tungsten									
Vanadium									

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57400 Units: ug/l

Time:		14:15			15:15			16:15	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	anr								
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57400 Units: ug/l

Time:		17:05			18:05			19:05	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium									
Bismuth	anr								
Boron									
Cadmium	anr								
Calcium	anr								
Cerium									
Chromium	anr								
Cobalt									
Copper	2000	1980	99.0	2000	2110	105.5	2000	2110	105.5
Iron	anr								
Lead	anr								
Lithium	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Phosphorus									
Potassium									
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Strontium									
Sulfur									
Thallium									
Tin									
Titanium									
Tungsten									
Vanadium									

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57400 Units: ug/l

Time:		17:05			18:05			19:05	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	anr								
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57400 Units: ug/l

Time:		20:04			20:54			21:55	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium									
Bismuth	anr								
Boron									
Cadmium	anr								
Calcium	anr								
Cerium									
Chromium	anr								
Cobalt									
Copper	2000	2010	100.5	2000	2010	100.5	2000	1980	99.0
Iron	anr								
Lead	anr								
Lithium	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Phosphorus									
Potassium									
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Strontium									
Sulfur									
Thallium									
Tin									
Titanium									
Tungsten									
Vanadium									

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57400 Units: ug/l

Time:		20:04			20:54			21:55	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	anr								
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 90 to 110 % Recovery Run ID: MA57400 Units: ug/l

Time:		11:54			12:01	
Sample ID:	HSTD	HSTD1		HSTD	HSTD2	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum						
Antimony	anr					
Arsenic	anr					
Barium	anr					
Beryllium						
Bismuth	anr					
Boron						
Cadmium	anr					
Calcium						
Cerium						
Chromium	anr					
Cobalt						
Copper	8000	8170	102.1			
Iron						
Lead	anr					
Lithium	anr					
Magnesium						
Manganese	anr					
Molybdenum						
Nickel	anr					
Phosphorus						
Potassium						
Selenium	anr					
Silicon						
Silver	anr					
Sodium						
Strontium						
Sulfur						
Thallium						
Tin						
Titanium						
Tungsten						
Vanadium						

HIGH STANDARD CHECK SUMMARY

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 90 to 110 % Recovery Run ID: MA57400 Units: ug/l

Time:		11:54			12:01	
Sample ID:	HSTD	HSTD1		HSTD	HSTD2	
Metal	True	Results	% Rec	True	Results	% Rec
Zinc	anr					
Zirconium						

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA57400 Units: ug/l

Time:				11:34		11:39		13:54	
Sample ID:	CRI	CRIA	CRID	CRI1		CRID1		CRI2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	anr					
Antimony	6.0	20	3.0	anr					
Arsenic	8.0	20	3.0	anr					
Barium	200		4.0	anr					
Beryllium	2.0		1.0						
Bismuth	20			anr					
Boron	100		10						
Cadmium	3.0		1.0	anr					
Calcium	5000	2000	1000	anr					
Cerium									
Chromium	10		2.0	anr					
Cobalt	50		3.0						
Copper	10		2.0	9.90	99.0			11.3	113.0
Iron	100	500		anr					
Lead	3.0	20	2.5	anr					
Lithium	50			anr					
Magnesium	5000	2000	100	anr					
Manganese	15		3.0	anr					
Molybdenum	20								
Nickel	10		4.0	anr					
Phosphorus	50								
Potassium	5000		2000						
Selenium	10	20	5.0	anr					
Silicon	200								
Silver	5.0		2.0	anr					
Sodium	5000		1000	anr					
Strontium	10								
Sulfur	50								
Thallium	10		2.0						
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0						

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA57400 Units: ug/l

Time:				11:34		11:39		13:54	
Sample ID:	CRI	CRIA	CRID	CRI1		CRID1		CRI2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zinc	20		10	anr					
Zirconium	10								

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA57400 Units: ug/l

Time:				14:30	
Sample ID:	CRI	CRIA	CRID	CRID2	
Metal	True	True	True	Results	% Rec
Aluminum	200	500	100	anr	
Antimony	6.0	20	3.0	anr	
Arsenic	8.0	20	3.0	anr	
Barium	200		4.0	anr	
Beryllium	2.0		1.0		
Bismuth	20				
Boron	100		10		
Cadmium	3.0		1.0	anr	
Calcium	5000	2000	1000	anr	
Cerium					
Chromium	10		2.0	anr	
Cobalt	50		3.0		
Copper	10		2.0	2.70U	0.0*
Iron	100	500			
Lead	3.0	20	2.5	anr	
Lithium	50				
Magnesium	5000	2000	100	anr	
Manganese	15		3.0	anr	
Molybdenum	20				
Nickel	10		4.0	anr	
Phosphorus	50				
Potassium	5000		2000		
Selenium	10	20	5.0	anr	
Silicon	200				
Silver	5.0		2.0	anr	
Sodium	5000		1000	anr	
Strontium	10				
Sulfur	50				
Thallium	10		2.0		
Tin	10				
Titanium	10				
Tungsten	50				
Vanadium	50		2.0		

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA57400 Units: ug/l

Time:				14:30	
Sample ID:	CRI	CRIA	CRID	CRID2	
Metal	True	True	True	Results	% Rec
Zinc	20		10	anr	
Zirconium	10				

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 80 to 120 % Recovery Run ID: MA57400 Units: ug/l

Time:			11:44		11:49		14:04		14:09	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	491000	98.2	476000	95.2	479000	95.8	479000	95.8
Antimony		1000	0.800		1070	107.0	2.90		1060	106.0
Arsenic		1000	-1.60		993	99.3	-0.800		987	98.7
Barium		500	-1.70		474	94.8	-1.50		473	94.6
Beryllium		500	-0.700		469	93.8	-0.700		465	93.0
Bismuth		500	10.1		537	107.4	9.10		532	106.4
Boron		500	-4.40		477	95.4	-5.90		474	94.8
Cadmium		1000	-0.800		974	97.4	-0.700		967	96.7
Calcium	400000	400000	372000	93.0	367000	91.8	369000	92.3	363000	90.8
Cerium			-27.9		-26.0		-22.4		-23.8	
Chromium		500	-1.50		455	91.0	-1.30		461	92.2
Cobalt		500	2.40		463	92.6	2.60		461	92.2
Copper		500	2.00		501	100.2	0.300		504	100.8
Iron	200000	200000	185000	92.5	184000	92.0	183000	91.5	182000	91.0
Lead		1000	1.40		892	89.2	0.900		891	89.1
Lithium		500	3.10		534	106.8	1.70		533	106.6
Magnesium	500000	500000	473000	94.6	471000	94.2	470000	94.0	468000	93.6
Manganese		500	-4.40		485	97.0	-4.40		488	97.6
Molybdenum		500	-1.10		482	96.4	-1.80		482	96.4
Nickel		1000	0.100		934	93.4	0.00		932	93.2
Phosphorus		500	-9.80		462	92.4	-10.2		458	91.6
Potassium			-4.50		-43.7		-130		-75.3	
Selenium		1000	-2.90		971	97.1	-0.700		961	96.1
Silicon		500	-8.70		536	107.2	-12.3		535	107.0
Silver		1000	-0.100		1040	104.0	-0.500		1050	105.0
Sodium			83.5		84.5		38.7		27.7	
Strontium		500	-0.500		475	95.0	-0.600		468	93.6
Sulfur		500	-8.70		487	97.4	-8.10		475	95.0
Thallium		1000	-1.70		934	93.4	-1.10		929	92.9
Tin		500	-2.60		484	96.8	-2.20		487	97.4
Titanium		500	-0.200		556	111.2	0.00		557	111.4
Tungsten		500	4.50		458	91.6	6.60		460	92.0
Vanadium		500	-2.40		480	96.0	-1.60		482	96.4

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 80 to 120 % Recovery Run ID: MA57400 Units: ug/l

Time:			11:44		11:49		14:04		14:09	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Zinc		1000	-3.70		905	90.5	-3.80		902	90.2
Zirconium		500	-2.70		416	83.2	-3.80		428	85.6

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51147
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 11/26/24

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	27	150	2.6	<200
Antimony	6.0	2.2	4.7	0.40	<6.0
Arsenic	3.0	1.3	2.8	0.0	<3.0
Barium	200	1	13	0.50	<200
Beryllium	1.0	.2	.5	0.0	<1.0
Bismuth	20	2.1	8.6		
Boron	100	1	10		
Cadmium	3.0	.2	1	0.0	<3.0
Calcium	5000	7.7	99	24.5	<5000
Cerium	100				
Chromium	10	.5	2	0.0	<10
Cobalt	50	.4	2.6	0.0	<50
Copper	10	6.8	5.9	7.4	<10 (a)
Iron	100	15	32	26.3	<100
Lead	3.0	1.6	1.8	0.40	<3.0
Lithium	50	3.7	7.3		
Magnesium	5000	54	140	-3.3	<5000
Manganese	15	.1	1.4	0.30	<15
Molybdenum	20	.5	3.6		
Nickel	10	.3	1.7	1.4	<10
Phosphorus	50	1.8	18		
Potassium	10000	77	200	67.9	<10000
Selenium	10	2	4.9	0.50	<10
Silicon	200	1.3	32		
Silver	10	.9	6.1	0.40	<10
Sodium	10000	23	570	13.2	<10000
Strontium	10	.4	2.7		
Sulfur	50	4.1	45		
Thallium	10	1.6	1.8	0.10	<10
Tin	10	.9	3.7		
Titanium	10	.9	2.5		
Tungsten	50	2	40		
Vanadium	50	.8	1.8	0.40	<50

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51147
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 11/26/24

Metal	RL	IDL	MDL	MB raw	final
Zinc	20	.2	6.9	2.9	<20
Zirconium	10	.5	4.1		

Associated samples MP51147: JE1296-12

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) All reported results >10x MB value or with RL> 2X of this value.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51147
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 11/26/24

Metal	JE1240-2 Original	MS	Spikelot MPSPK2	% Rec	QC Limits
Aluminum	0.00	25400	25000	101.6	75-125
Antimony	2.6	2060	2000	102.9	75-125
Arsenic	0.0	1990	2000	99.5	75-125
Barium	43.6	1950	2000	95.3	75-125
Beryllium	0.0	1870	2000	93.5	75-125
Bismuth					
Boron					
Cadmium	0.0	1930	2000	96.5	75-125
Calcium	55200	80600	25000	119.6	75-125
Cerium					
Chromium	0.0	1840	2000	92.0	75-125
Cobalt	6.1	1960	2000	97.7	75-125
Copper	13.2	2090	2000	103.8	75-125
Iron	0.00	24400	25000	97.6	75-125
Lead	0.0	1960	2000	98.0	75-125
Lithium					
Magnesium	12200	37000	25000	99.2	75-125
Manganese	14.8	1890	2000	93.8	75-125
Molybdenum					
Nickel	3.3	1950	2000	97.3	75-125
Phosphorus					
Potassium	1880	27500	25000	102.5	75-125
Selenium	0.0	1990	2000	99.5	75-125
Silicon					
Silver	1.1	240	250	95.6	75-125
Sodium	50500	76300	25000	114.8	75-125
Strontium					
Sulfur					
Thallium	0.0	1950	2000	97.5	75-125
Tin					
Titanium					
Tungsten					
Vanadium	0.0	1900	2000	95.0	75-125

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51147
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 11/26/24

Metal	JE1240-2 Original	MS	Spikelot MPSPK2	% Rec	QC Limits
Zinc	20.8	1940	2000	96.0	75-125
Zirconium					

Associated samples MP51147: JE1296-12

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51147
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 11/26/24

Metal	JE1240-2 Original	MSD	Spikelot MPSPK2	% Rec	MSD RPD	QC Limit
Aluminum	0.00	23600	25000	94.4	7.3	20
Antimony	2.6	2110	2000	105.4	2.4	20
Arsenic	0.0	2040	2000	102.0	2.5	20
Barium	43.6	1950	2000	95.3	0.0	20
Beryllium	0.0	1820	2000	91.0	2.7	20
Bismuth						
Boron						
Cadmium	0.0	1960	2000	98.0	1.5	20
Calcium	55200	76000	25000	101.2	5.9	20
Cerium						
Chromium	0.0	1830	2000	91.5	0.5	20
Cobalt	6.1	2030	2000	101.2	3.5	20
Copper	13.2	2060	2000	102.3	1.4	20
Iron	0.00	24500	25000	98.0	0.4	20
Lead	0.0	2030	2000	101.5	3.5	20
Lithium						
Magnesium	12200	37400	25000	100.8	1.1	20
Manganese	14.8	1760	2000	87.3	7.1	20
Molybdenum						
Nickel	3.3	2000	2000	99.8	2.5	20
Phosphorus						
Potassium	1880	25600	25000	94.9	7.2	20
Selenium	0.0	2060	2000	103.0	3.5	20
Silicon						
Silver	1.1	247	250	98.4	2.9	20
Sodium	50500	74300	25000	106.8	2.7	20
Strontium						
Sulfur						
Thallium	0.0	1990	2000	99.5	2.0	20
Tin						
Titanium						
Tungsten						
Vanadium	0.0	1910	2000	95.5	0.5	20

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51147
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 11/26/24

Metal	JE1240-2 Original	MSD	Spikelot MPSPK2	% Rec	MSD RPD	QC Limit
Zinc	20.8	1970	2000	97.5	1.5	20
Zirconium						

Associated samples MP51147: JE1296-12

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51147
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date:			11/26/24					11/26/24	
Metal	BSP Result	Spikelot MPSPK2	% Rec	QC Limits	BSD Result	Spikelot MPSPK2	% Rec	BSD RPD	QC Limit
Aluminum	23400	25000	93.6	80-120	25700	25000	102.8	9.4	20
Antimony	2060	2000	103.0	80-120	2020	2000	101.0	2.0	20
Arsenic	1960	2000	98.0	80-120	1930	2000	96.5	1.5	20
Barium	1870	2000	93.5	80-120	1930	2000	96.5	3.2	20
Beryllium	1790	2000	89.5	80-120	1890	2000	94.5	5.4	20
Bismuth									
Boron									
Cadmium	1930	2000	96.5	80-120	1920	2000	96.0	0.5	20
Calcium	23900	25000	95.6	80-120	25500	25000	102.0	6.5	20
Cerium									
Chromium	1890	2000	94.5	80-120	1810	2000	90.5	4.3	20
Cobalt	1960	2000	98.0	80-120	1910	2000	95.5	2.6	20
Copper	1900	2000	95.0	80-120	1790	2000	89.5	6.0	20
Iron	24300	25000	97.2	80-120	24200	25000	96.8	0.4	20
Lead	1970	2000	98.5	80-120	1910	2000	95.5	3.1	20
Lithium									
Magnesium	24600	25000	98.4	80-120	24300	25000	97.2	1.2	20
Manganese	1840	2000	92.0	80-120	1890	2000	94.5	2.7	20
Molybdenum									
Nickel	1950	2000	97.5	80-120	1910	2000	95.5	2.1	20
Phosphorus									
Potassium	23300	25000	93.2	80-120	25600	25000	102.4	9.4	20
Selenium	1980	2000	99.0	80-120	1920	2000	96.0	3.1	20
Silicon									
Silver	251	250	100.4	80-120	227	250	90.8	10.0	20
Sodium	25300	25000	101.2	80-120	26100	25000	104.4	3.1	20
Strontium									
Sulfur									
Thallium	1970	2000	98.5	80-120	1940	2000	97.0	1.5	20
Tin									
Titanium									
Tungsten									
Vanadium	1960	2000	98.0	80-120	1850	2000	92.5	5.8	20

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51147
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date:			11/26/24					11/26/24	
Metal	BSP Result	Spikelot MPSPK2	% Rec	QC Limits	BSD Result	Spikelot MPSPK2	% Rec	BSD RPD	QC Limit
Zinc	1950	2000	97.5	80-120	1930	2000	96.5	1.0	20
Zirconium									

Associated samples MP51147: JE1296-12

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51147
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 11/26/24

Metal	JE1240-2 Original	SDL 1:5	%DIF	QC Limits
Aluminum	0.00	0.00	NC	0-10
Antimony	2.60	0.00	100.0(a)	0-10
Arsenic	0.00	0.00	NC	0-10
Barium	43.6	47.2	8.3	0-10
Beryllium	0.00	0.00	NC	0-10
Bismuth				
Boron				
Cadmium	0.00	0.00	NC	0-10
Calcium	55200	53400	5.2	0-10
Cerium				
Chromium	0.00	0.00	NC	0-10
Cobalt	6.10	12.8	113.3(a)	0-10
Copper	13.2	0.00	100.0(a)	0-10
Iron	0.00	0.00	NC	0-10
Lead	0.00	0.00	NC	0-10
Lithium				
Magnesium	12200	12500	2.2	0-10
Manganese	14.8	15.8	6.8	0-10
Molybdenum				
Nickel	3.30	6.10	84.8 (a)	0-10
Phosphorus				
Potassium	1880	2350	25.0 (a)	0-10
Selenium	0.00	0.00	NC	0-10
Silicon				
Silver	1.10	0.00	100.0(a)	0-10
Sodium	50500	49900	4.9	0-10
Strontium				
Sulfur				
Thallium	0.00	0.00	NC	0-10
Tin				
Titanium				
Tungsten				
Vanadium	0.00	0.00	NC	0-10

SERIAL DILUTION RESULTS SUMMARY

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51147
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 11/26/24

Metal	JE1240-2 Original	SDL 1:5	%DIF	QC Limits
Zinc	20.8	16.0	23.1*(b)	0-10
Zirconium				

Associated samples MP51147: JE1296-12

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
(b) Serial dilution indicates possible matrix interference.

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51190 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 11/26/24

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.20	.04	.095	0.0042	<0.20

Associated samples MP51190: JE1296-12

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51190
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 11/26/24

Metal	JE1208-1 Original	MS	Spikelot HGPW3	% Rec	QC Limits
Mercury	0.0	2.1	2	105.0	75-125

Associated samples MP51190: JE1296-12

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51190 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 11/26/24

Metal	JE1208-1 Original	MSD	Spikelot HGPW3	% Rec	MSD RPD	QC Limit
Mercury	0.0	2.1	2	105.0	0.0	20

Associated samples MP51190: JE1296-12

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51190
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 11/26/24

Metal	BSP Result	Spikelot HGPW3	% Rec	QC Limits
Mercury	2.1	2	105.0	80-120

Associated samples MP51190: JE1296-12

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries
- Instrument Runlogs/QC
- Percent Solids Raw Data Summary

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Cyanide	GP58048/GN62606	0.010	0.0	mg/l	0.2	0.213	106.5	90-110%

Associated Samples:
Batch GP58048: JE1296-12
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Cyanide	GP58048/GN62606	LB8635-1	mg/l	0.0	0.0	0.0	0-32%
Solids, Percent	GN62591	JE1278-8	%	91	91.4	0.4	0-10%
Solids, Percent	GN62592	JE1051-6	%	90.2	72.4	21.9*	0-10%

Associated Samples:
Batch GN62591: JE1296-2, JE1296-4, JE1296-6, JE1296-8, JE1296-10, JE1296-14, JE1296-16, JE1296-20, JE1296-24, JE1296-26, JE1296-28, JE1296-30, JE1296-32
Batch GN62592: JE1296-34, JE1296-36, JE1296-38
Batch GP58048: JE1296-12
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Cyanide	GP58048/GN62606	LB8635-1	mg/l	0.0	0.2	0.18	90.0	90-110%

Associated Samples:
Batch GP58048: JE1296-12
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: E112724W1.CN Date Analyzed: 11/27/24 Methods: EPA 335.4/LACHAT, SW846 9012B/LACHAT
Analyst: JD Run ID: GN62606
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:36	GN62606-STD1	1		STDA
18:37	ZZZZZZ	1		
18:38	GN62606-STD2	1		STDC
18:39	GN62606-STD3	1		STDD
18:40	GN62606-STD4	1		STDE
18:41	GN62606-STD5	1		STDF
18:42	GN62606-STD6	1		STDB
18:43	GN62606-STD7	1		STDG
18:44	GN62606-ICV1	1		
18:45	GN62606-ICB1	1		
18:46	ZZZZZZ	1		
18:47	GN62606-CCV1	1		
18:47	GN62606-CCB1	1		
18:58	GN62606-CCV2	1		
18:59	GN62606-CCB2	1		
19:00	GP58049-MB1	1		
19:01	GP58049-S2	1		
19:02	GP58049-S1	1		
19:02	GP58049-B1	1		
19:03	GP58049-D1	1		
19:04	ZZZZZZ	1		
19:05	ZZZZZZ	1		
19:06	ZZZZZZ	1		
19:07	ZZZZZZ	1		
19:08	JE1019-3	1		(sample used for QC only; not part of login JE1296)
19:09	GN62606-CCV3	1		
19:10	GN62606-CCB3	1		
19:11	ZZZZZZ	1		
19:12	JE1229-3	1		(sample used for QC only; not part of login JE1296)
19:13	ZZZZZZ	1		
19:13	ZZZZZZ	1		
19:14	ZZZZZZ	1		
19:15	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: E112724W1.CN Date Analyzed: 11/27/24 Methods: EPA 335.4/LACHAT, SW846 9012B/LACHAT
Analyst: JD Run ID: GN62606
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:16	ZZZZZZ	1		
19:17	ZZZZZZ	1		
19:18	ZZZZZZ	1		
19:19	ZZZZZZ	1		
19:20	GN62606-CCV4	1		
19:21	GN62606-CCB4	1		
19:22	ZZZZZZ	1		
19:23	ZZZZZZ	1		
19:23	ZZZZZZ	1		
19:24	ZZZZZZ	1		
19:25	ZZZZZZ	1		
19:26	GP58050-MB1	1		
19:27	GP58050-B1	1		
19:28	GP58050-S1	1		
19:29	GP58050-S2	1		
19:30	GP58050-D1	1		
19:31	GN62606-CCV5	1		
19:32	GN62606-CCB5	1		
19:33	ZZZZZZ	1		
19:34	ZZZZZZ	1		
19:35	ZZZZZZ	1		
19:35	JE1269-1	1		(sample used for QC only; not part of login JE1296)
19:36	JE1270-1	1		(sample used for QC only; not part of login JE1296)
19:37	ZZZZZZ	1		
19:38	ZZZZZZ	1		
19:39	ZZZZZZ	1		
19:40	ZZZZZZ	1		
19:41	ZZZZZZ	1		
19:42	GN62606-CCV6	1		
19:43	GN62606-CCB6	1		
19:44	ZZZZZZ	1		
19:45	ZZZZZZ	1		
19:46	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: E112724W1.CN Date Analyzed: 11/27/24 Methods: EPA 335.4/LACHAT, SW846 9012B/LACHAT
Analyst: JD Run ID: GN62606
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:46	GP58048-MB1	1		
19:47	GP58048-B1	1		
19:48	GP58048-S1	1		
19:49	GP58048-D1	1		
19:50	ZZZZZZ	1		
19:51	LB8635-1	1		(sample used for QC only; not part of login JE1296)
19:52	JE1296-12	1		
19:53	GN62606-CCV7	1		
19:54	GN62606-CCB7	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: JE1296
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: E112724W1.CN Date Analyzed: 11/27/24 Methods: EPA 335.4/LACHAT, SW846 9012B/LACHAT
Run ID: GN62606 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN62606-ICV1	Cyanide	0.278	0.010	0.0041	.3	92.7	90-110
GN62606-ICB1	Cyanide	0.0041 U	0.010	0.0041			
GN62606-CCV1	Cyanide	0.392	0.010	0.0041	.4	98.0	90-110
GN62606-CCB1	Cyanide	0.0041 U	0.010	0.0041			
GN62606-CCV2	Cyanide	0.435	0.010	0.0041	.4	108.8	90-110
GN62606-CCB2	Cyanide	0.0041 U	0.010	0.0041			
GN62606-CCV3	Cyanide	0.437	0.010	0.0041	.4	109.3	90-110
GN62606-CCB3	Cyanide	-0.0161 <	0.010	0.0041			
GN62606-CCV4	Cyanide	0.433	0.010	0.0041	.4	108.3	90-110
GN62606-CCB4	Cyanide	-0.0177 <	0.010	0.0041			
GN62606-CCV5	Cyanide	0.421	0.010	0.0041	.4	105.3	90-110
GN62606-CCB5	Cyanide	-0.0163 <	0.010	0.0041			
GN62606-CCV6	Cyanide	0.414	0.010	0.0041	.4	103.5	90-110
GN62606-CCB6	Cyanide	-0.0153 <	0.010	0.0041			
GN62606-CCV7	Cyanide	0.414	0.010	0.0041	.4	103.5	90-110
GN62606-CCB7	Cyanide	-0.0183 <	0.010	0.0041			

(!) Outside of QC limits

Percent Solids Raw Data Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: JE1296-2 **Analyzed:** 27-NOV-24 by AM **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-26(2.0-2.5)

Wet Weight (Total)	39.07	g
Tare Weight	31.99	g
Dry Weight (Total)	38.73	g
Solids, Percent	95.2	%

Sample: JE1296-4 **Analyzed:** 27-NOV-24 by AM **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-26-N1

Wet Weight (Total)	34.54	g
Tare Weight	27.05	g
Dry Weight (Total)	34.11	g
Solids, Percent	94.3	%

Sample: JE1296-6 **Analyzed:** 27-NOV-24 by AM **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-26-S1

Wet Weight (Total)	28.2	g
Tare Weight	21.22	g
Dry Weight (Total)	27.84	g
Solids, Percent	94.8	%

Sample: JE1296-8 **Analyzed:** 27-NOV-24 by AM **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-26-E1

Wet Weight (Total)	38.75	g
Tare Weight	30.64	g
Dry Weight (Total)	38.29	g
Solids, Percent	94.3	%

Sample: JE1296-10 **Analyzed:** 27-NOV-24 by AM **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-26-W1

Wet Weight (Total)	33.12	g
Tare Weight	24.27	g
Dry Weight (Total)	32.49	g
Solids, Percent	92.9	%

Sample: JE1296-14 **Analyzed:** 27-NOV-24 by AM **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-28(2.0-2.5)

Wet Weight (Total)	39.15	g
Tare Weight	29.6	g
Dry Weight (Total)	38.48	g
Solids, Percent	93	%

Percent Solids Raw Data Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: JE1296-16 **Analyzed:** 27-NOV-24 by AM **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-28-N1

Wet Weight (Total)	36.99	g
Tare Weight	28.21	g
Dry Weight (Total)	36.55	g
Solids, Percent	95	%

Sample: JE1296-20 **Analyzed:** 27-NOV-24 by AM **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-28 E1

Wet Weight (Total)	29.84	g
Tare Weight	21.11	g
Dry Weight (Total)	29.45	g
Solids, Percent	95.5	%

Sample: JE1296-24 **Analyzed:** 27-NOV-24 by AM **Method:** SM2540 G 18TH ED MOD
ClientID: DUP-1

Wet Weight (Total)	33.18	g
Tare Weight	24.9	g
Dry Weight (Total)	32.94	g
Solids, Percent	97.1	%

Sample: JE1296-26 **Analyzed:** 27-NOV-24 by AM **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-16(2.0-2.5)

Wet Weight (Total)	33.55	g
Tare Weight	26.15	g
Dry Weight (Total)	32.93	g
Solids, Percent	91.6	%

Sample: JE1296-28 **Analyzed:** 27-NOV-24 by AM **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-16-N1

Wet Weight (Total)	25.81	g
Tare Weight	18.35	g
Dry Weight (Total)	25.21	g
Solids, Percent	92	%

Sample: JE1296-30 **Analyzed:** 27-NOV-24 by AM **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-16-S1

Wet Weight (Total)	36.37	g
Tare Weight	29.55	g
Dry Weight (Total)	35.71	g
Solids, Percent	90.3	%

Percent Solids Raw Data Summary

Job Number: JE1296
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: JE1296-32 **Analyzed:** 27-NOV-24 by AM **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-16-E1

Wet Weight (Total)	38.45	g
Tare Weight	30.34	g
Dry Weight (Total)	37.84	g
Solids, Percent	92.5	%

Sample: JE1296-34 **Analyzed:** 27-NOV-24 by AM **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-16-W1

Wet Weight (Total)	39.86	g
Tare Weight	31.35	g
Dry Weight (Total)	39.21	g
Solids, Percent	92.4	%

Sample: JE1296-36 **Analyzed:** 27-NOV-24 by AM **Method:** SM2540 G 18TH ED MOD
ClientID: DUP-2

Wet Weight (Total)	38.08	g
Tare Weight	29.15	g
Dry Weight (Total)	37.42	g
Solids, Percent	92.6	%

Sample: JE1296-38 **Analyzed:** 27-NOV-24 by AM **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-18(2.0-2.5)

Wet Weight (Total)	37.56	g
Tare Weight	29.23	g
Dry Weight (Total)	37.29	g
Solids, Percent	96.8	%

13.5
13

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Matrix New World Engineering, Inc.

Ridgewood Berm Sampling, Ridgewood, NJ

23-1429; PO#20243716

SGS Job Number: JE1296R

Sampling Date: 11/21/24

Report to:

Matrix New World Engineering, Inc.
26 Columbia Turnpike
Florham Park, NJ 07932
mfeury@mnwe.com

ATTN: Melissa Feury

Total number of pages in report: **957**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

Olga Azarian
Technical Director

Client Service contact: Tammy McCloskey 732-329-0200
Certifications: NJ(12129), NY(10983), CA, CO, CT, FL, HI, IL, IN, KY, LA (120428), MA, MD, ME, MN, NC, NH, NV, AK (UST-103), AZ (AZ0786), PA(68-00408), RI, SC, TX (T104704234), UT, VA, WA, WV

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Sample Summary

Matrix New World Engineering, Inc.

Job No: JE1296R

Ridgewood Berm Sampling, Ridgewood, NJ
Project No: 23-1429; PO#20243716

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
JE1296-1R	11/21/24	09:30	DC	11/21/24	SO	Soil	GRID-26R
JE1296-13R	11/21/24	11:55	DC	11/21/24	SO	Soil	GRID-28R
JE1296-25R	11/21/24	13:20	DC	11/21/24	SO	Soil	GRID-16R
JE1296-37R	11/21/24	15:15	DC	11/21/24	SO	Soil	GRID-18R

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Matrix New World Engineering, Inc.	**Job No:**	JE1296R
Site:	Ridgewood Berm Sampling, Ridgewood, NJ	**Report Date**	12/12/2024 7:06:55 A

On 11/21/2024, 4 sample(s), 0 Trip Blank(s), 0 Equip. Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. (SGS) at a temperature of 4.1 °C. The samples were intact and properly preserved, unless noted below. An SGS Job Number of JE1296R was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

GC/LC Semi-volatiles By Method SW846 8081B

Matrix: SO **Batch ID:** OP59833

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE1300-9QMS, JE1300-9QMSD were used as the QC samples indicated.
- The matrix spike (MS) recovery(s) of 4,4'-DDT, Endosulfan-I are outside in house control limits.
- The matrix spike duplicate (MSD) recovery(s) of 4,4'-DDT, Endosulfan-I, gamma-Chlordane are outside in house control limits.
- Matrix Spike/Matrix Spike Duplicate recovery(s) of 4,4'-DDE, Chlordane (alpha and gamma), alpha-Chlordane, Heptachlor epoxide are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- JE1296-1R for alpha-Chlordane: More than 40 % RPD for detected concentrations between the two GC columns.

Matrix: SO **Batch ID:** OP59852

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE1037-1MS, JE1037-1MSD were used as the QC samples indicated.
- JE1296-37R for Decachlorobiphenyl: Outside of in house control limits.
- OP59852-BS1 for Endrin ketone: Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only.
- JE1296-13R for alpha-Chlordane: More than 40 % RPD for detected concentrations between the two GC columns.
- JE1296-13R for Dieldrin: More than 40 % RPD for detected concentrations between the two GC columns.
- JE1296-13R for Endosulfan-II: More than 40 % RPD for detected concentrations between the two GC columns.
- JE1296-13R for Heptachlor epoxide: More than 40 % RPD for detected concentrations between the two GC columns.
- JE1296-25R for Decachlorobiphenyl: Outside of in house control limits.

General Chemistry By Method SM2540 G 18TH ED MOD

Matrix: SO **Batch ID:** GN62813

- Sample(s) JE1296-1RDUP were used as the QC samples for the Solids, Percent analysis.

SGS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting SGS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by SGS indicated via signature on the report cover.

Summary of Hits

Job Number: JE1296R
Account: Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Collected: 11/21/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JE1296-1R	**GRID-26R**					
alpha-Chlordane [a]		0.00012 J	0.00042	0.000057	mg/kg	SW846 8081B
Chlordane (alpha and gamma)		0.00012 J	0.00042	0.000057	mg/kg	SW846 8081B
4,4'-DDD		0.000087 J	0.00042	0.000044	mg/kg	SW846 8081B
4,4'-DDE		0.0013	0.00042	0.000050	mg/kg	SW846 8081B
4,4'-DDT		0.00079	0.00042	0.000073	mg/kg	SW846 8081B
JE1296-13R	**GRID-28R**					
alpha-Chlordane [a]		0.0104	0.00042	0.000057	mg/kg	SW846 8081B
gamma-Chlordane		0.0086	0.00042	0.000063	mg/kg	SW846 8081B
Chlordane (alpha and gamma)		0.0190	0.00042	0.000057	mg/kg	SW846 8081B
Dieldrin [a]		0.0013	0.00042	0.000067	mg/kg	SW846 8081B
4,4'-DDD		0.0148	0.00042	0.000044	mg/kg	SW846 8081B
4,4'-DDE		0.0203	0.00042	0.000050	mg/kg	SW846 8081B
4,4'-DDT		0.0085	0.00042	0.000073	mg/kg	SW846 8081B
Endosulfan-II [a]		0.00023 J	0.00042	0.000059	mg/kg	SW846 8081B
Heptachlor epoxide [a]		0.0018	0.00042	0.000075	mg/kg	SW846 8081B
JE1296-25R	**GRID-16R**					
No hits reported in this sample.						
JE1296-37R	**GRID-18R**					
No hits reported in this sample.						

(a) More than 40 % RPD for detected concentrations between the two GC columns.

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Client Sample ID:	GRID-26R		
Lab Sample ID:	JE1296-1R	**Date Sampled:**	11/21/24
Matrix:	SO - Soil	**Date Received:**	11/21/24
Method:	SW846 8081B SW846 3570	**Percent Solids:**	95.5
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G103200.D	1	12/09/24 19:47	MLC	12/02/24 16:40	OP59833	G6G3881
Run #2							

	Initial Weight	Final Volume
Run #1	5.0 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.00042	0.000082	mg/kg	
319-84-6	alpha-BHC	ND	0.00042	0.000048	mg/kg	
319-85-7	beta-BHC	ND	0.00042	0.000061	mg/kg	
319-86-8	delta-BHC	ND	0.00042	0.000063	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.00042	0.000073	mg/kg	
5103-71-9	alpha-Chlordane [a]	0.00012	0.00042	0.000057	mg/kg	J
5103-74-2	gamma-Chlordane	ND	0.00042	0.000063	mg/kg	
57-74-9	Chlordane (alpha and gamma)	0.00012	0.00042	0.000057	mg/kg	J
60-57-1	Dieldrin	ND	0.00042	0.000067	mg/kg	
72-54-8	4,4'-DDD	0.000087	0.00042	0.000044	mg/kg	J
72-55-9	4,4'-DDE	0.0013	0.00042	0.000050	mg/kg	
50-29-3	4,4'-DDT	0.00079	0.00042	0.000073	mg/kg	
72-20-8	Endrin	ND	0.00042	0.000061	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.00042	0.000050	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00042	0.00012	mg/kg	
959-98-8	Endosulfan-I	ND	0.00042	0.000057	mg/kg	
33213-65-9	Endosulfan-II	ND	0.00042	0.000059	mg/kg	
76-44-8	Heptachlor	ND	0.00042	0.000054	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.00042	0.000075	mg/kg	
72-43-5	Methoxychlor	ND	0.00042	0.00017	mg/kg	
53494-70-5	Endrin ketone	ND	0.00042	0.000067	mg/kg	
8001-35-2	Toxaphene	ND	0.0052	0.0035	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	95%		46-145%
877-09-8	Tetrachloro-m-xylene	92%		46-145%
2051-24-3	Decachlorobiphenyl	93%		29-163%
2051-24-3	Decachlorobiphenyl	58%		29-163%

(a) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	GRID-28R		
Lab Sample ID:	JE1296-13R	**Date Sampled:**	11/21/24
Matrix:	SO - Soil	**Date Received:**	11/21/24
Method:	SW846 8081B SW846 3570	**Percent Solids:**	91.7
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8G62855.D	1	12/04/24 19:32	KC	12/03/24 20:00	OP59852	G8G2704
Run #2							

	Initial Weight	Final Volume
Run #1	5.2 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.00042	0.000082	mg/kg	
319-84-6	alpha-BHC	ND	0.00042	0.000048	mg/kg	
319-85-7	beta-BHC	ND	0.00042	0.000061	mg/kg	
319-86-8	delta-BHC	ND	0.00042	0.000063	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.00042	0.000073	mg/kg	
5103-71-9	alpha-Chlordane [a]	0.0104	0.00042	0.000057	mg/kg	
5103-74-2	gamma-Chlordane	0.0086	0.00042	0.000063	mg/kg	
57-74-9	Chlordane (alpha and gamma)	0.0190	0.00042	0.000057	mg/kg	
60-57-1	Dieldrin [a]	0.0013	0.00042	0.000067	mg/kg	
72-54-8	4,4'-DDD	0.0148	0.00042	0.000044	mg/kg	
72-55-9	4,4'-DDE	0.0203	0.00042	0.000050	mg/kg	
50-29-3	4,4'-DDT	0.0085	0.00042	0.000073	mg/kg	
72-20-8	Endrin	ND	0.00042	0.000061	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.00042	0.000050	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00042	0.00012	mg/kg	
959-98-8	Endosulfan-I	ND	0.00042	0.000057	mg/kg	
33213-65-9	Endosulfan-II [a]	0.00023	0.00042	0.000059	mg/kg	J
76-44-8	Heptachlor	ND	0.00042	0.000055	mg/kg	
1024-57-3	Heptachlor epoxide [a]	0.0018	0.00042	0.000075	mg/kg	
72-43-5	Methoxychlor	ND	0.00042	0.00017	mg/kg	
53494-70-5	Endrin ketone	ND	0.00042	0.000067	mg/kg	
8001-35-2	Toxaphene	ND	0.0052	0.0035	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	88%		46-145%
877-09-8	Tetrachloro-m-xylene	79%		46-145%
2051-24-3	Decachlorobiphenyl	31%		29-163%
2051-24-3	Decachlorobiphenyl	37%		29-163%

(a) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	GRID-16R		
Lab Sample ID:	JE1296-25R	**Date Sampled:**	11/21/24
Matrix:	SO - Soil	**Date Received:**	11/21/24
Method:	SW846 8081B SW846 3570	**Percent Solids:**	93.4
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8G62856.D	1	12/04/24 19:58	KC	12/03/24 20:00	OP59852	G8G2704
Run #2							

	Initial Weight	Final Volume
Run #1	5.2 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.00041	0.000080	mg/kg	
319-84-6	alpha-BHC	ND	0.00041	0.000047	mg/kg	
319-85-7	beta-BHC	ND	0.00041	0.000060	mg/kg	
319-86-8	delta-BHC	ND	0.00041	0.000062	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.00041	0.000072	mg/kg	
5103-71-9	alpha-Chlordane	ND	0.00041	0.000056	mg/kg	
5103-74-2	gamma-Chlordane	ND	0.00041	0.000062	mg/kg	
57-74-9	Chlordane (alpha and gamma)	ND	0.00041	0.000056	mg/kg	
60-57-1	Dieldrin	ND	0.00041	0.000066	mg/kg	
72-54-8	4,4'-DDD	ND	0.00041	0.000043	mg/kg	
72-55-9	4,4'-DDE	ND	0.00041	0.000049	mg/kg	
50-29-3	4,4'-DDT	ND	0.00041	0.000072	mg/kg	
72-20-8	Endrin	ND	0.00041	0.000060	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.00041	0.000049	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00041	0.00012	mg/kg	
959-98-8	Endosulfan-I	ND	0.00041	0.000056	mg/kg	
33213-65-9	Endosulfan-II	ND	0.00041	0.000058	mg/kg	
76-44-8	Heptachlor	ND	0.00041	0.000054	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.00041	0.000074	mg/kg	
72-43-5	Methoxychlor	ND	0.00041	0.00016	mg/kg	
53494-70-5	Endrin ketone	ND	0.00041	0.000066	mg/kg	
8001-35-2	Toxaphene	ND	0.0051	0.0034	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	102%		46-145%
877-09-8	Tetrachloro-m-xylene	96%		46-145%
2051-24-3	Decachlorobiphenyl	28% [a]		29-163%
2051-24-3	Decachlorobiphenyl	30%		29-163%

(a) Outside of in house control limits.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	GRID-18R		
Lab Sample ID:	JE1296-37R	**Date Sampled:**	11/21/24
Matrix:	SO - Soil	**Date Received:**	11/21/24
Method:	SW846 8081B SW846 3570	**Percent Solids:**	97.7
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8G62857.D	1	12/04/24 20:23	KC	12/03/24 20:00	OP59852	G8G2704
Run #2							

	Initial Weight	Final Volume
Run #1	5.3 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.00039	0.000075	mg/kg	
319-84-6	alpha-BHC	ND	0.00039	0.000044	mg/kg	
319-85-7	beta-BHC	ND	0.00039	0.000056	mg/kg	
319-86-8	delta-BHC	ND	0.00039	0.000058	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.00039	0.000068	mg/kg	
5103-71-9	alpha-Chlordane	ND	0.00039	0.000052	mg/kg	
5103-74-2	gamma-Chlordane	ND	0.00039	0.000058	mg/kg	
57-74-9	Chlordane (alpha and gamma)	ND	0.00039	0.000052	mg/kg	
60-57-1	Dieldrin	ND	0.00039	0.000062	mg/kg	
72-54-8	4,4'-DDD	ND	0.00039	0.000041	mg/kg	
72-55-9	4,4'-DDE	ND	0.00039	0.000046	mg/kg	
50-29-3	4,4'-DDT	ND	0.00039	0.000068	mg/kg	
72-20-8	Endrin	ND	0.00039	0.000056	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.00039	0.000046	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00039	0.00011	mg/kg	
959-98-8	Endosulfan-I	ND	0.00039	0.000052	mg/kg	
33213-65-9	Endosulfan-II	ND	0.00039	0.000054	mg/kg	
76-44-8	Heptachlor	ND	0.00039	0.000050	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.00039	0.000070	mg/kg	
72-43-5	Methoxychlor	ND	0.00039	0.00015	mg/kg	
53494-70-5	Endrin ketone	ND	0.00039	0.000062	mg/kg	
8001-35-2	Toxaphene	ND	0.0048	0.0032	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	109%		46-145%
877-09-8	Tetrachloro-m-xylene	94%		46-145%
2051-24-3	Decachlorobiphenyl	28% [a]		29-163%
2051-24-3	Decachlorobiphenyl	29%		29-163%

(a) Outside of in house control limits.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

Page 1 of 1

FED-EX Tracking #:
Bottle Order Control #: MREM-TM-111924-243
SGS Quote #:
SGS Job #: JE1296

Client / Reporting Information

Company Name: Matrix New World Engineering
Street Address: 26 Columbia Tpke.
City / State / Zip: Florham Park NJ 07932
Project Contact / E-mail: Melissa Feury mfeury@mnwe.com
Phone #: 201-857-2638
Sampler(s) Name(s) / Phone #: Daniel Cavallo 973 865-5805

Project Information

Project Name: Ridgewood - ~~Shedboat~~ Property
Street: 460 W. Saddle River Rd
City / State: Ridgewood NJ
Project #: 23-1429
Client Purchase Order #: 2024 3716
Project Manager: Melissa Feury

Billing Information (if different from Report to)

Company Name:
Street Address:
City / State / Zip:
Attention: SAME

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED - Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB - Equipment Blank; RB - Rinse Blank; TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) / Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)	Benzo(a)pyrene	TCL/Pesticides w/ Aroclors	~~Cancer + Haz~~	TCL/TAL + 30	LAB USE ONLY
1	Grid-26R		11/21/24	0930	DC	G		S	1									H					E94
2	Grid-26 (2.0-2.5)			0940															X				A46
3	Grid-26 (2.5-3)			0945															H				03072
4	Grid-26-N1			0955															X				V501
5	Grid-26-N2			1050															H				046
6	Grid-26-S1			1030															X				
7	Grid-26-S2			1110															H				
8	Grid-26-E1			1020															X				
9	Grid-26-E2			1055															H				
10	Grid-26-W1			1045															X				
11	Grid-26-W2			1042															H				
12	FB-1			1530				FB	6	0		1										X	

Initial Assessment ZAHR
Label Verification

Turn Around Time (Business Days)

- [ ] 10 Business Days
- [x] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

Approved By (SGS PM) / Date: standard

All data available via SGS Engage. * Approval needed for 1-3 BD TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [x] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [ ] EDD Format

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions:
X = RUN
H = Extract & Hold

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by:	Date / Time:	Received By:	Date / Time:
1	D Cavallo	11/21/24 1610	1	11/21/24 16:10
2			Relinquished by: 2	11/21/24 18:51
3	Relinquished by:	Date / Time:	Received By: 3	Date / Time:
4			Relinquished by: 4	Date / Time:
5	Relinquished by:	Date / Time:	Received By: 5	Received By: 2
			Custody Seal #	Received By: 4

Intact / Not intact / Absent

Therm ID: See Sample Receipt Summary
On Ice
Cooler Temp. °C: 3.7
3.1 IR-50

EHSA-QAC-0023-05 Rev.Date:8/5/22

JE1296R: Chain of Custody
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CHAIN OF CUSTODY

SGS

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

FED-EX Tracking #: | Bottle Order Control #:
SGS Quote #: | SGS Job #: JE1296

Client / Reporting Information

Company Name: Matrix Engineering
Street Address: 26 Columbia TPK
City / State / Zip: Florham Park NJ 07932
Project Contact / E-mail: MelissaFeeley
Phone #: 201 657-2638
Sampler(s) Name(s) / Phone #: Daniel Cavallo

Project Information

Project Name: Ridgewood - Schindler
Street: 1400 Saddle River Rd
City / State: Ridgewood NJ
Project #: 23-1429
Client Purchase Order #: 2024 3714
Project Manager: Melissa Feeley

Billing Information (if different from Report to)

Company Name: SAME
Street Address:
City / State / Zip:
Attention:

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB-Equipment Blank; RB - Rinse Blank; TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	Benzo(a)pyrene TCL Pesticides w/ Matrix Spike	pH Check (Lab Use Only)	LAB USE ONLY
13	Grid-28R		11/21/24	1115	DC	G		S											H	
14	Grid-28(20-25)			1200														X	H	
15	Grid-28(25-3)			1205														H	X	
16	Grid-28-N1			1210														X	H	
17	Grid-28-N2			1215														H	H	
18	Grid-28-S1			1250														H	H	
19	Grid-28-S2			1300														H	X	
20	Grid-28E1			1225														X	H	
21	Grid-28E2			1240														H	H	
22	Grid-28-W1			1150														H	H	
23	Grid-28-W2			1140														H	X	
24	DUP-1			1230														X		

Turn Around Time (Business Days)

Approved By (SGS PM) / Date: Standard

- [ ] 10 Business Days
- [x] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via SGS Engage | * Approval needed for 1-3 BD TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [x] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [ ] EDD Format

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions: X=Run H=Hold

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished By	Date / Time	Received By	Date / Time
1	D Cavallo	11/21/24 1610		11/21/24 1610
2				
3				
4				
5				

Custody Seal # | Intact | Not intact | Absent | Therm ID: | On Ice | Cooler Temp. °C | See Sample Receipt Summary

EHSA-QAC-0023-05 Rev.Date 8/5/22

CHAIN OF CUSTODY

SGS

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2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

FED-EX Tracking # | Bottle Order Control #
SGS Quote # | SGS Job # JE1296

Client / Reporting Information

Company Name: Mann Engineering
Street Address: SAME
City State Zip
Project Contact E-mail
Phone #
Sampler(s) Name(s) Phone #

Project Information

Project Name: Ridgefield - Schneider
Street
City State
Project # 23-1429
Client Purchase Order # 2024 3714
Project Manager

Billing Information (if different from Report to)

Company Name: SAME
Street Address
City State Zip
Attention:

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED - Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB - Equipment Blank; RB - Rinse Blank; TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	Number of Bottles # of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	Benzo(a)pyrene	TCL Pesticides (Aldrin+Gamma-BHC)	pH Check (Lab Use Only)	LAB USE ONLY
25	Grid-16R		11/21/24	1320	DC	G		S	1									X	H	H	
26	Grid-16 (2.0-2.5)			1325														X	H		
27	Grid-16 (2.5-3)			1330														X	H		
28	Grid-16-N1			1400														X	H		
29	Grid-16-N2			1405														X	H		
30	Grid-16-S1			1410														X	H		
31	Grid-16-S2			1420														X	H		
32	Grid-16-E1			1330														X	H		
33	Grid-16-E2			1340														X	H		
34	Grid-16-W1			1345														X	H		
35	Grid-16-W2			1355														X	H		
36	DUP-2			1335														X	H		

Turn Around Time (Business Days)

Approved By (SGS PM) / Date: Standard

- [ ] 10 Business Days
- [x] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via SGS Engage
* Approval needed for 1-3 BD TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [x] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [ ] EDD Format

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

X = Run
H = Extract + Hold

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by:	Date / Time:	Received By:
1	Dravello	11/21/24 1610	
2		11/21/24 16:10	
3			
4		11/21/24 1831	
5			

Custody Seal # | Intact | Not intact | Absent
Therm ID: | On Ice | Cooler Temp. °C | See Sample Receipt Summary

EHSA-QAC-0023-05 Rev.Date:8/5/22

JE1296R: Chain of Custody
Page 3 of 9

CHAIN OF CUSTODY

SGS

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

FED-EX Tracking # | Bottle Order Control #
SGS Quote # | SGS Job # JE1296

Client / Reporting Information

Company Name: Matrix New World Engineering
Street Address: SAME
City / State / Zip
Project Contact / E-mail
Phone #
Sampler(s) Name(s) / Phone #

Project Information

Project Name:
Street
City / State
Project #
Client Purchase Order # 2024 3716
Project Manager

Billing Information (if different from Report to)

Company Name: SAME
Street Address
City / State / Zip
Attention:

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED - Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB - Equipment Blank; RB - Rinse Blank; TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	HCl	Na_2OH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	Benzo(a)anthracene	Benzo(a)pyrene	TCLP Metals (Pb)	LAB USE ONLY
37	Grid-18R		11/14/24	1515	DC	G		S	1					1						H	
38	Grid-18 (2.0-2.5)		↓	1520	↓	G		↓	1					1				X H	X H		
39	Grid-18 (2.5-3)			1525		G			1					1							

pH Check (Lab Use Only)

Turn Around Time (Business Days)

Approved By (SGS PM) / Date: Standard

- [ ] 10 Business Days
- [x] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via SGS Engage | * Approval needed for 1-3 BD TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [x] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [ ] EDD Format

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

X = Run
H = Extract + Hold

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by:	Date / Time:	Received By:		Relinquished By:	Date / Time:	Received By:
1		11/21/24 1610		2		11/21/24 16:30	
3				4			
5					Custody Seal #	Intact / Not Intact / Absent	Therm ID: / On Ice / Cooler Temp. °C / See Sample Receipt Summary

EHSA-QAC-0023-05 Rev.Date:8/5/22

SGS Sample Receipt Summary

Job Number: JE1296 **Client:** MATRIX NEW WORLD ENGINEERING, IN **Project:** RIDGEWOOD BERM SAMPLING, RIDGE

Date / Time Received: 11/21/2024 6:31:00 PM **Delivery Method:** COURIER **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (3.7); Cooler 2: (3.1);

Cooler Temps (Corrected) °C: Cooler 1: (4.1); Cooler 2: (3.5);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR-50		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	2		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

Job Change Order: JE1296

Requested Date:	11/27/2024	**Received Date:**	11/21/2024
Account Name:	Matrix New World Engineering, In	**Due Date:**	11/27/2024
Project Description:	Ridgewood Berm Sampling, Ridgewood, NJ	**Deliverable:**	REDT2
C/O Initiated By:	LOUIE_DEV **PM:** TM	**TAT (Days):**	13

Sample #: JE1296-1, 13, 25, 37 **Dept:**

Client ID: **TAT:** 13

Change: Samples off HOLD for P8081PESTTCLAO and SOL104

Above Changes Per: Melissa Feury **Date/Time:** 11/27/2024

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

Job Change Order: JE1296

Requested Date:	12/4/2024	**Received Date:**	11/21/2024
Account Name:	Matrix New World Engineering, In	**Due Date:**	12/4/2024
Project Description:	Ridgewood Berm Sampling, Ridgewood, NJ	**Deliverable:**	REDT2
C/O Initiated By:	TAMMY_MC **PM:** TM	**TAT (Days):**	6

==========

Sample #: JE1296-1R, 13R, 25R, 37R **Dept:**

Client ID: **TAT:** 6

Change: Move to "R" job number and revise deliverables to FULT1

Above Changes Per: Melissa Feury **Date/Time:** 12/4/2024

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

Job Change Order: JE1296

Requested Date:	12/6/2024	**Received Date:**	11/21/2024
Account Name:	Matrix New World Engineering, In	**Due Date:**	12/6/2024
Project Description:	Ridgewood Berm Sampling, Ridgewood, NJ	**Deliverable:**	REDT2
C/O Initiated By:	LOUIE_DEV **PM:** TM	**TAT (Days):**	6

Sample #: JE1296-3 **Dept:**

Client ID: GRID-26(2.5-3) **TAT:** 6

Change: Off XH for B8270BAPYRNAO

Above Changes Per: Melissa Feury **Date/Time:** 12/6/2024

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

Page 1 of 1

5.1

5

JE1296R: Chain of Custody
Page 8 of 9

Job Change Order: JE1296

Requested Date:	12/6/2024	**Received Date:**	11/21/2024
Account Name:	Matrix New World Engineering, In	**Due Date:**	12/6/2024
Project Description:	Ridgewood Berm Sampling, Ridgewood, NJ	**Deliverable:**	REDT2
C/O Initiated By:	LOUIE_DEV **PM:** TM	**TAT (Days):**	6

Sample #:	JE1296-3	**Dept:**	
Client ID:	GRID-26(2.5-3)	**TAT:**	6
Change:	Off hold for SOL104		

Above Changes Per: Melissa Feury **Date/Time:** 12/6/2024

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

Internal Sample Tracking Chronicle

Matrix New World Engineering, Inc.

Job No: JE1296R

Ridgewood Berm Sampling, Ridgewood, NJ
Project No: 23-1429; PO#20243716

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JE1296-1R GRID-26R	Collected: 21-NOV-24 09:30 By: DC		Received: 21-NOV-24 By: JK			
JE1296-1R	SM2540 G 18TH ED MOD	05-DEC-24 11:52	AZ			SOL104
JE1296-1R	SW846 8081B	09-DEC-24 19:47	MLC	02-DEC-24	EB	P8081PESTTCLAO
JE1296-13R GRID-28R	Collected: 21-NOV-24 11:55 By: DC		Received: 21-NOV-24 By: JK			
JE1296-13R	SW846 8081B	04-DEC-24 19:32	KC	03-DEC-24	AC	P8081PESTTCLAO
JE1296-13R	SM2540 G 18TH ED MOD	05-DEC-24 11:52	AZ			SOL104
JE1296-25R GRID-16R	Collected: 21-NOV-24 13:20 By: DC		Received: 21-NOV-24 By: JK			
JE1296-25R	SW846 8081B	04-DEC-24 19:58	KC	03-DEC-24	AC	P8081PESTTCLAO
JE1296-25R	SM2540 G 18TH ED MOD	05-DEC-24 11:52	AZ			SOL104
JE1296-37R GRID-18R	Collected: 21-NOV-24 15:15 By: DC		Received: 21-NOV-24 By: JK			
JE1296-37R	SW846 8081B	04-DEC-24 20:23	KC	03-DEC-24	AC	P8081PESTTCLAO
JE1296-37R	SM2540 G 18TH ED MOD	05-DEC-24 11:52	AZ			SOL104

SGS Internal Chain of Custody

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Received: 11/21/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE1296-1.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:10	Return to Storage
JE1296-1.1	Secured Storage	Dave Hunkele	11/30/24 14:13	Retrieve from Storage
JE1296-1.1	Dave Hunkele	Secured Staging Area	11/30/24 14:17	Return to Storage
JE1296-1.1	Secured Staging Area	Alejandra Cruz	12/01/24 11:23	Retrieve from Storage
JE1296-1.1	Alejandra Cruz	Secured Staging Area	12/01/24 17:09	Return to Storage
JE1296-1.1	Secured Staging Area	Ellen Dondeo	12/02/24 08:19	Retrieve from Storage
JE1296-1.1	Ellen Dondeo	Erin Burke	12/02/24 10:49	Custody Transfer
JE1296-1.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-1.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-1.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-1.1	Erin Burke	Secured Storage	12/02/24 19:40	Return to Storage
JE1296-1.1	Secured Storage	Dave Hunkele	12/05/24 09:43	Retrieve from Storage
JE1296-1.1	Dave Hunkele	Secured Staging Area	12/05/24 09:44	Return to Storage
JE1296-1.1	Secured Staging Area	Allison Zhong	12/05/24 11:27	Retrieve from Storage
JE1296-1.1	Allison Zhong	Secured Storage	12/07/24 10:05	Return to Storage
JE1296-1.1.1	Erin Burke	Organics Prep	12/02/24 11:14	Extract from JE1296-1.1
JE1296-1.1.1	Organics Prep	Erin Burke	12/02/24 17:36	Extract from JE1296-1.1
JE1296-1.1.1	Erin Burke	Extract Storage	12/02/24 17:36	Return to Storage
JE1296-13.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:10	Return to Storage
JE1296-13.1	Secured Storage	Dave Hunkele	11/30/24 14:13	Retrieve from Storage
JE1296-13.1	Dave Hunkele	Secured Staging Area	11/30/24 14:17	Return to Storage
JE1296-13.1	Secured Staging Area	Alejandra Cruz	12/01/24 11:23	Retrieve from Storage
JE1296-13.1	Alejandra Cruz	Secured Staging Area	12/01/24 17:09	Return to Storage
JE1296-13.1	Secured Staging Area	Ellen Dondeo	12/02/24 08:19	Retrieve from Storage
JE1296-13.1	Ellen Dondeo	Erin Burke	12/02/24 10:49	Custody Transfer
JE1296-13.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-13.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-13.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-13.1	Erin Burke	Secured Storage	12/02/24 19:40	Return to Storage
JE1296-13.1	Secured Storage	Alejandra Cruz	12/03/24 14:18	Retrieve from Storage
JE1296-13.1	Alejandra Cruz	Secured Storage	12/04/24 01:06	Return to Storage
JE1296-13.1	Secured Storage	Dave Hunkele	12/05/24 09:43	Retrieve from Storage
JE1296-13.1	Dave Hunkele	Secured Staging Area	12/05/24 09:44	Return to Storage
JE1296-13.1	Secured Staging Area	Allison Zhong	12/05/24 11:27	Retrieve from Storage
JE1296-13.1	Allison Zhong	Secured Storage	12/07/24 10:05	Return to Storage

SGS Internal Chain of Custody

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Received: 11/21/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE1296-13.1.1	Alejandra Cruz	Organics Prep	12/03/24 14:26	Extract from JE1296-13.1
JE1296-13.1.1	Organics Prep	Alejandra Cruz	12/04/24 01:05	Extract from JE1296-13.1
JE1296-13.1.1	Alejandra Cruz	Extract Storage	12/04/24 01:05	Return to Storage
JE1296-13.1.1	Extract Storage	Kyra Conover	12/04/24 09:03	Retrieve from Storage
JE1296-13.1.1	Kyra Conover	GC4G	12/04/24 09:03	Load on Instrument
JE1296-25.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:10	Return to Storage
JE1296-25.1	Secured Storage	Dave Hunkele	11/30/24 14:13	Retrieve from Storage
JE1296-25.1	Dave Hunkele	Secured Staging Area	11/30/24 14:17	Return to Storage
JE1296-25.1	Secured Staging Area	Alejandra Cruz	12/01/24 11:23	Retrieve from Storage
JE1296-25.1	Alejandra Cruz	Secured Staging Area	12/01/24 17:09	Return to Storage
JE1296-25.1	Secured Staging Area	Ellen Dondeo	12/02/24 08:19	Retrieve from Storage
JE1296-25.1	Ellen Dondeo	Erin Burke	12/02/24 10:49	Custody Transfer
JE1296-25.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-25.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-25.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-25.1	Erin Burke	Secured Storage	12/02/24 19:40	Return to Storage
JE1296-25.1	Secured Storage	Alejandra Cruz	12/03/24 14:18	Retrieve from Storage
JE1296-25.1	Alejandra Cruz	Secured Storage	12/04/24 01:06	Return to Storage
JE1296-25.1	Secured Storage	Dave Hunkele	12/05/24 09:43	Retrieve from Storage
JE1296-25.1	Dave Hunkele	Secured Staging Area	12/05/24 09:44	Return to Storage
JE1296-25.1	Secured Staging Area	Allison Zhong	12/05/24 11:27	Retrieve from Storage
JE1296-25.1	Allison Zhong	Secured Storage	12/07/24 10:05	Return to Storage
JE1296-25.1.1	Alejandra Cruz	Organics Prep	12/03/24 14:26	Extract from JE1296-25.1
JE1296-25.1.1	Organics Prep	Alejandra Cruz	12/04/24 01:05	Extract from JE1296-25.1
JE1296-25.1.1	Alejandra Cruz	Extract Storage	12/04/24 01:05	Return to Storage
JE1296-25.1.1	Extract Storage	Kyra Conover	12/04/24 09:03	Retrieve from Storage
JE1296-25.1.1	Kyra Conover	GC4G	12/04/24 09:03	Load on Instrument
JE1296-37.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:10	Return to Storage
JE1296-37.1	Secured Storage	Dave Hunkele	11/30/24 14:13	Retrieve from Storage
JE1296-37.1	Dave Hunkele	Secured Staging Area	11/30/24 14:17	Return to Storage
JE1296-37.1	Secured Staging Area	Alejandra Cruz	12/01/24 11:23	Retrieve from Storage
JE1296-37.1	Alejandra Cruz	Secured Staging Area	12/01/24 17:09	Return to Storage
JE1296-37.1	Secured Staging Area	Ellen Dondeo	12/02/24 08:19	Retrieve from Storage
JE1296-37.1	Ellen Dondeo	Erin Burke	12/02/24 10:49	Custody Transfer
JE1296-37.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-37.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				

SGS Internal Chain of Custody

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Received: 11/21/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE1296-37.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1296-37.1	Erin Burke	Secured Storage	12/02/24 19:40	Return to Storage
JE1296-37.1	Secured Storage	Alejandra Cruz	12/03/24 14:18	Retrieve from Storage
JE1296-37.1	Alejandra Cruz	Secured Storage	12/04/24 01:06	Return to Storage
JE1296-37.1	Secured Storage	Dave Hunkele	12/05/24 09:43	Retrieve from Storage
JE1296-37.1	Dave Hunkele	Secured Staging Area	12/05/24 09:44	Return to Storage
JE1296-37.1	Secured Staging Area	Allison Zhong	12/05/24 11:27	Retrieve from Storage
JE1296-37.1	Allison Zhong	Secured Storage	12/07/24 10:05	Return to Storage
JE1296-37.1.1	Alejandra Cruz	Organics Prep	12/03/24 14:26	Extract from JE1296-37.1
JE1296-37.1.1	Organics Prep	Alejandra Cruz	12/04/24 01:05	Extract from JE1296-37.1
JE1296-37.1.1	Alejandra Cruz	Extract Storage	12/04/24 01:05	Return to Storage
JE1296-37.1.1	Extract Storage	Kyra Conover	12/04/24 09:03	Retrieve from Storage
JE1296-37.1.1	Kyra Conover	GC4G	12/04/24 09:03	Load on Instrument

GC/LC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Internal Standard Area Summaries
- DDT/Endrin Breakdown Checks
- GC Identification Summaries (Hits)
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59833-MB1	8G62769.D	1	12/03/24	CP	12/02/24	OP59833	G8G2700

The QC reported here applies to the following samples: **Method:** SW846 8081B

JE1296-1R

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.40	0.078	ug/kg	
319-84-6	alpha-BHC	ND	0.40	0.046	ug/kg	
319-85-7	beta-BHC	ND	0.40	0.058	ug/kg	
319-86-8	delta-BHC	ND	0.40	0.060	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.40	0.070	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.40	0.054	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.40	0.060	ug/kg	
57-74-9	Chlordane (alpha and gamma)	ND	0.40	0.054	ug/kg	
60-57-1	Dieldrin	ND	0.40	0.064	ug/kg	
72-54-8	4,4'-DDD	ND	0.40	0.042	ug/kg	
72-55-9	4,4'-DDE	ND	0.40	0.048	ug/kg	
50-29-3	4,4'-DDT	ND	0.40	0.070	ug/kg	
72-20-8	Endrin	ND	0.40	0.058	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.40	0.048	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.40	0.12	ug/kg	
959-98-8	Endosulfan-I	ND	0.40	0.054	ug/kg	
33213-65-9	Endosulfan-II	ND	0.40	0.056	ug/kg	
76-44-8	Heptachlor	ND	0.40	0.052	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.40	0.072	ug/kg	
72-43-5	Methoxychlor	ND	0.40	0.16	ug/kg	
53494-70-5	Endrin ketone	ND	0.40	0.064	ug/kg	
8001-35-2	Toxaphene	ND	5.0	3.3	ug/kg	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	97%	46-145%
877-09-8	Tetrachloro-m-xylene	83%	46-145%
2051-24-3	Decachlorobiphenyl	103%	29-163%
2051-24-3	Decachlorobiphenyl	81%	29-163%

Method Blank Summary

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59852-MB1	8G62847.D	1	12/04/24	KC	12/03/24	OP59852	G8G2704

The QC reported here applies to the following samples: **Method:** SW846 8081B

JE1296-13R, JE1296-25R, JE1296-37R

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.40	0.078	ug/kg	
319-84-6	alpha-BHC	ND	0.40	0.046	ug/kg	
319-85-7	beta-BHC	ND	0.40	0.058	ug/kg	
319-86-8	delta-BHC	ND	0.40	0.060	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.40	0.070	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.40	0.054	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.40	0.060	ug/kg	
57-74-9	Chlordane (alpha and gamma)	ND	0.40	0.054	ug/kg	
60-57-1	Dieldrin	ND	0.40	0.064	ug/kg	
72-54-8	4,4'-DDD	ND	0.40	0.042	ug/kg	
72-55-9	4,4'-DDE	ND	0.40	0.048	ug/kg	
50-29-3	4,4'-DDT	ND	0.40	0.070	ug/kg	
72-20-8	Endrin	ND	0.40	0.058	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.40	0.048	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.40	0.12	ug/kg	
959-98-8	Endosulfan-I	ND	0.40	0.054	ug/kg	
33213-65-9	Endosulfan-II	ND	0.40	0.056	ug/kg	
76-44-8	Heptachlor	ND	0.40	0.052	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.40	0.072	ug/kg	
72-43-5	Methoxychlor	ND	0.40	0.16	ug/kg	
53494-70-5	Endrin ketone	ND	0.40	0.064	ug/kg	
8001-35-2	Toxaphene	ND	5.0	3.3	ug/kg	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	104%	46-145%
877-09-8	Tetrachloro-m-xylene	92%	46-145%
2051-24-3	Decachlorobiphenyl	86%	29-163%
2051-24-3	Decachlorobiphenyl	71%	29-163%

Blank Spike Summary

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59833-BS1	8G62770.D	1	12/03/24	CP	12/02/24	OP59833	G8G2700

The QC reported here applies to the following samples: **Method:** SW846 8081B

JE1296-1R

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
309-00-2	Aldrin	5	4.5	90	71-115
319-84-6	alpha-BHC	5	4.5	90	69-110
319-85-7	beta-BHC	5	4.3	86	67-115
319-86-8	delta-BHC	5	4.6	92	58-110
58-89-9	gamma-BHC (Lindane)	5	4.5	90	70-108
5103-71-9	alpha-Chlordane	5	4.6	92	69-112
5103-74-2	gamma-Chlordane	5	4.7	94	68-111
57-74-9	Chlordane (alpha and gamma)	10	9.2	92	67-110
60-57-1	Dieldrin	5	4.6	92	71-112
72-54-8	4,4'-DDD	5	4.7	94	69-120
72-55-9	4,4'-DDE	5	4.9	98	71-108
50-29-3	4,4'-DDT	5	4.5	90	57-112
72-20-8	Endrin	5	5.2	104	71-121
1031-07-8	Endosulfan sulfate	5	4.4	88	68-108
7421-93-4	Endrin aldehyde	5	4.5	90	66-126
959-98-8	Endosulfan-I	5	4.5	90	65-114
33213-65-9	Endosulfan-II	5	4.5	90	65-115
76-44-8	Heptachlor	5	4.4	88	66-114
1024-57-3	Heptachlor epoxide	5	4.5	90	69-118
72-43-5	Methoxychlor	5	4.4	88	61-111
53494-70-5	Endrin ketone	5	3.9	78	70-108

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	96%	46-145%
877-09-8	Tetrachloro-m-xylene	85%	46-145%
2051-24-3	Decachlorobiphenyl	86%	29-163%
2051-24-3	Decachlorobiphenyl	81%	29-163%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59852-BS1	8G62848.D	1	12/04/24	KC	12/03/24	OP59852	G8G2704

The QC reported here applies to the following samples: **Method:** SW846 8081B

JE1296-13R, JE1296-25R, JE1296-37R

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
309-00-2	Aldrin	5	4.6	92	71-115
319-84-6	alpha-BHC	5	4.4	88	69-110
319-85-7	beta-BHC	5	4.5	90	67-115
319-86-8	delta-BHC	5	4.8	96	58-110
58-89-9	gamma-BHC (Lindane)	5	4.7	94	70-108
5103-71-9	alpha-Chlordane	5	4.6	92	69-112
5103-74-2	gamma-Chlordane	5	4.7	94	68-111
57-74-9	Chlordane (alpha and gamma)	10	9.4	94	67-110
60-57-1	Dieldrin	5	4.5	90	71-112
72-54-8	4,4'-DDD	5	4.5	90	69-120
72-55-9	4,4'-DDE	5	4.9	98	71-108
50-29-3	4,4'-DDT	5	4.1	82	57-112
72-20-8	Endrin	5	4.8	96	71-121
1031-07-8	Endosulfan sulfate	5	4.0	80	68-108
7421-93-4	Endrin aldehyde	5	4.1	82	66-126
959-98-8	Endosulfan-I	5	4.5	90	65-114
33213-65-9	Endosulfan-II	5	4.2	84	65-115
76-44-8	Heptachlor	5	4.5	90	66-114
1024-57-3	Heptachlor epoxide	5	4.6	92	69-118
72-43-5	Methoxychlor	5	3.9	78	61-111
53494-70-5	Endrin ketone	5	4.7	94 [a]	70-108

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	100%	46-145%
877-09-8	Tetrachloro-m-xylene	89%	46-145%
2051-24-3	Decachlorobiphenyl	93%	29-163%
2051-24-3	Decachlorobiphenyl	68%	29-163%

(a) Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59833-MS	8G62774.D	1	12/03/24	CP	12/02/24	OP59833	G8G2700
OP59833-MSD	8G62775.D	1	12/03/24	CP	12/02/24	OP59833	G8G2700
JE1300-9Q [a]	8G62776.D	1	12/03/24	CP	12/02/24	OP59833	G8G2700

The QC reported here applies to the following samples: **Method:** SW846 8081B

JE1296-1R

CAS No.	Compound	JE1300-9Q ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
309-00-2	Aldrin	ND		4.72	4.6	98	4.81	4.6	96	0	34-125/32
319-84-6	alpha-BHC	ND		4.72	4.7	100	4.81	5.0	104	6	43-124/28
319-85-7	beta-BHC	ND		4.72	3.9	83	4.81	3.9	81	0	21-145/34
319-86-8	delta-BHC	ND		4.72	4.5	95	4.81	4.5	94	0	36-119/32
58-89-9	gamma-BHC (Lindane)	ND		4.72	4.5	95	4.81	4.4	92	2	48-118/28
5103-71-9	alpha-Chlordane	22.2	E	4.72	31.8	204* [b]	4.81	39.0	349* [b]	20	28-132/33
5103-74-2	gamma-Chlordane	4.2		4.72	9.7	117	4.81	10.9	139* [c]	12	20-132/33
57-74-9	Chlordane (alpha and gamma)	26.4	E	9.43	41.1	156* [b]	9.62	49.8	243* [b]	19	20-125/32
60-57-1	Dieldrin	ND		4.72	4.4	93	4.81	4.9	102	11	32-134/32
72-54-8	4,4'-DDD	0.58		4.72	5.3	100	4.81	6.3	119	17	28-135/33
72-55-9	4,4'-DDE	16.8		4.72	27.3	244* [b]	4.81	32.6	349* [b]	18	23-133/32
50-29-3	4,4'-DDT	8.6		4.72	17.9	231* [c]	4.81	21.7	306* [c]	19	10-144/41
72-20-8	Endrin	1.4		4.72	7.2	123	4.81	8.0	137	11	33-143/33
1031-07-8	Endosulfan sulfate	ND		4.72	3.9	83	4.81	4.2	87	7	18-133/34
7421-93-4	Endrin aldehyde	ND		4.72	4.3	91	4.81	4.8	100	11	20-139/36
959-98-8	Endosulfan-I	ND		4.72	17.2	365* [c]	4.81	19.3	401* [c]	12	32-127/31
33213-65-9	Endosulfan-II	ND		4.72	4.5	95	4.81	4.6	96	2	28-128/33
76-44-8	Heptachlor	0.11	J	4.72	4.1	85	4.81	4.5	91	9	30-133/34
1024-57-3	Heptachlor epoxide	24.1	E	4.72	32.6	180* [b]	4.81	39.5	320* [b]	19	37-131/32
72-43-5	Methoxychlor	1.4		4.72	6.3	104	4.81	6.7	110	6	13-136/37
53494-70-5	Endrin ketone	ND		4.72	6.0	127	4.81	6.5	135	8	24-149/34
8001-35-2	Toxaphene	ND			ND			ND		nc	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	JE1300-9Q	Limits
877-09-8	Tetrachloro-m-xylene	83%	78%		46-145%
877-09-8	Tetrachloro-m-xylene	77%	81%		46-145%
2051-24-3	Decachlorobiphenyl	89%	86%		29-163%
2051-24-3	Decachlorobiphenyl	110%	129%		29-163%

(a) Sample used for QC purposes only.
(b) Outside control limits due to high level in sample relative to spike amount.
(c) Outside of in house control limits.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59852-MS	8G62849.D	1	12/04/24	KC	12/03/24	OP59852	G8G2704
OP59852-MSD	8G62850.D	1	12/04/24	KC	12/03/24	OP59852	G8G2704
JE1037-1	8G62851.D	1	12/04/24	KC	12/03/24	OP59852	G8G2704

The QC reported here applies to the following samples: **Method:** SW846 8081B

JE1296-13R, JE1296-25R, JE1296-37R

CAS No.	Compound	JE1037-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
309-00-2	Aldrin	ND		5.1	5.3	104	5	4.9	98	8	34-125/32
319-84-6	alpha-BHC	ND		5.1	5.7	112	5	5.3	106	7	43-124/28
319-85-7	beta-BHC	ND		5.1	5.3	104	5	4.9	98	8	21-145/34
319-86-8	delta-BHC	ND		5.1	5.8	114	5	5.3	106	9	36-119/32
58-89-9	gamma-BHC (Lindane)	ND		5.1	5.6	110	5	5.2	104	7	48-118/28
5103-71-9	alpha-Chlordane	ND		5.1	5.2	102	5	4.7	94	10	28-132/33
5103-74-2	gamma-Chlordane	ND		5.1	4.4	86	5	4.1	82	7	20-132/33
57-74-9	Chlordane (alpha and gamma)	ND		10.2	7.1	70	10	6.5	65	9	20-125/32
60-57-1	Dieldrin	ND		5.1	4.8	94	5	4.7	94	2	32-134/32
72-54-8	4,4'-DDD	ND		5.1	4.9	96	5	4.5	90	9	28-135/33
72-55-9	4,4'-DDE	0.14	J	5.1	4.0	76	5	3.7	71	8	23-133/32
50-29-3	4,4'-DDT	0.18	J	5.1	3.9	73	5	3.8	72	3	10-144/41
72-20-8	Endrin	ND		5.1	4.2	82	5	3.9	78	7	33-143/33
1031-07-8	Endosulfan sulfate	ND		5.1	4.5	88	5	4.2	84	7	18-133/34
7421-93-4	Endrin aldehyde	ND		5.1	4.9	96	5	4.5	90	9	20-139/36
959-98-8	Endosulfan-I	ND		5.1	5.3	104	5	4.8	96	10	32-127/31
33213-65-9	Endosulfan-II	ND		5.1	5.0	98	5	4.6	92	8	28-128/33
76-44-8	Heptachlor	ND		5.1	5.6	110	5	5.1	102	9	30-133/34
1024-57-3	Heptachlor epoxide	ND		5.1	5.4	106	5	4.9	98	10	37-131/32
72-43-5	Methoxychlor	ND		5.1	4.9	96	5	4.5	90	9	13-136/37
53494-70-5	Endrin ketone	ND		5.1	4.9	96	5	4.5	90	9	24-149/34
8001-35-2	Toxaphene	ND			ND			ND		nc	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	JE1037-1	Limits
877-09-8	Tetrachloro-m-xylene	106%	100%	97%	46-145%
877-09-8	Tetrachloro-m-xylene	74%	70%	74%	46-145%
2051-24-3	Decachlorobiphenyl	130%	106%	111%	29-163%
2051-24-3	Decachlorobiphenyl	85%	72%	84%	29-163%

* = Outside of Control Limits.

Internal Standard Area Summary

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G6G3881-CC3879	**Injection Date:**	12/09/24
Lab File ID:	6G103196.D	**Injection Time:**	18:23
Instrument ID:	GC6G	**Method:**	SW846 8081B

	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT
Initial Cal [a]	534320176	5.24	286368510	4.85
Check Std [b]	513216885	5.24	294902250	4.84
Upper Limit [c]	801480264	5.74	429552765	5.34
Lower Limit [d]	267160088	4.74	143184255	4.34

Lab Sample ID	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT
OP59859-MB1	658424552	5.24	364867261	4.84
OP59859-BS1	568518507	5.24	298555148	4.84
JE1296-1R	506036281	5.24	290697384	4.84
ZZZZZZ	531759703	5.24	309749199	4.84
ZZZZZZ	725763533	5.24	518388246	4.84
ZZZZZZ	480938965	5.24	271179352	4.84
ZZZZZZ	349709253	5.24	207340495	4.84
ZZZZZZ	459994563	5.24	264947533	4.84
ZZZZZZ	492531216	5.24	252640668	4.84

IS 1 = 1-Bromo-2-nitrobenzene (Signal #2)
IS 2 = 1-Bromo-2-nitrobenzene (Signal #1)

(a) Initial Cal is: G6G3879-ICC3879 6G103146.D 12/06/24 13:38. Area is AVERAGE of initial cal points.
(b) Check Std Limit = -50 to + 50% of initial cal area.
(c) Upper Limit = + 50% of initial standard area; Retention time + 0.5 minutes of check standard.
(d) Lower Limit = -50% of initial standard area; Retention time -0.5 minutes of check standard.

Internal Standard Area Summary

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G8G2700-CC2596	**Injection Date:**	12/03/24
Lab File ID:	8G62764.D	**Injection Time:**	01:07
Instrument ID:	GC8G	**Method:**	SW846 8081B

	IS 1 AREA	RT	IS 2 AREA	RT
Initial Cal [a]	651180446	2.79	265523173	2.42
Check Std [b]	707247898	2.77	320089610	2.40
Upper Limit [c]	976770669	3.27	398284760	2.90
Lower Limit [d]	325590223	2.27	132761587	1.90

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT
OP59820-MB1	838279665	2.77	367356114	2.40
OP59820-BS1	790224096	2.77	337421361	2.40
OP59820-BSD	805897848	2.77	324361464	2.40
OP59833-MB1	765887546	2.77	338702034	2.40
OP59833-BS1	771169372	2.77	336584189	2.41
ZZZZZZ	801073347	2.77	344771078	2.41
OP59833-MS	827353265	2.77	376537789	2.41
OP59833-MSD	716412005	2.77	348744873	2.41
JE1300-9Q	658780662	2.77	315233311	2.41
ZZZZZZ	749853688	2.77	346195004	2.40
ZZZZZZ	696063015	2.77	335592833	2.41
ZZZZZZ	663935144	2.77	327325042	2.41
ZZZZZZ	489641870	2.76	308367844	2.39
ZZZZZZ	619709995	2.77	294844447	2.41
ZZZZZZ	711170934	2.78	318894819	2.42

IS 1 = 1-Bromo-2-nitrobenzene (Signal #2)
IS 2 = 1-Bromo-2-nitrobenzene (Signal #1)

(a) Initial Cal is: G8G2596-ICC2596 8G60346.D 09/18/24 13:06. Area is AVERAGE of initial cal points.
(b) Check Std Limit = -50 to + 50% of initial cal area.
(c) Upper Limit = + 50% of initial standard area; Retention time + 0.5 minutes of check standard.
(d) Lower Limit = -50% of initial standard area; Retention time -0.5 minutes of check standard.

Internal Standard Area Summary

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G8G2704-CC2596	**Injection Date:**	12/04/24
Lab File ID:	8G62845A.D	**Injection Time:**	15:22
Instrument ID:	GC8G	**Method:**	SW846 8081B

	IS 1 AREA	RT	IS 2 AREA	RT
Initial Cal [a]	651180446	2.79	265523173	2.42
Check Std [b]	758724573	2.78	314141229	2.42
Upper Limit [c]	976770669	3.28	398284760	2.92
Lower Limit [d]	325590223	2.28	132761587	1.92

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT
OP59852-MB1	783732030	2.78	337499752	2.42
OP59852-BS1	786817853	2.78	326396176	2.42
OP59852-MS	940430415	2.78	298759251	2.42
OP59852-MSD	963566112	2.78	309461682	2.42
JE1037-1	877155411	2.78	309585123	2.42
ZZZZZZ	770604566	2.78	359886216	2.42
ZZZZZZ	724534604	2.78	266572182	2.42
JE1296-13R	698620170	2.79	285424047	2.42
JE1296-25R	699976459	2.78	276300762	2.42
JE1296-37R	733945976	2.78	280603444	2.42
ZZZZZZ	813719895	2.78	353631811	2.42
ZZZZZZ	747886972	2.78	293107517	2.42
ZZZZZZ	756693663	2.78	302547590	2.42
ZZZZZZ	380937239	2.79	147156740	2.43
ZZZZZZ	429334418	2.79	173200690	2.43
ZZZZZZ	335130924	2.79	197845011	2.53
ZZZZZZ	392196931	2.79	162743282	2.43

IS 1 = 1-Bromo-2-nitrobenzene (Signal #2)
IS 2 = 1-Bromo-2-nitrobenzene (Signal #1)

(a) Initial Cal is: G8G2596-ICC2596 8G60346.D 09/18/24 13:06. Area is AVERAGE of initial cal points.
(b) Check Std Limit = -50 to + 50% of initial cal area.
(c) Upper Limit = + 50% of initial standard area; Retention time + 0.5 minutes of check standard.
(d) Lower Limit = -50% of initial standard area; Retention time -0.5 minutes of check standard.

DDT/Endrin Breakdown Check

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	G6G3879-DDT	**Injection Date:**	12/06/24
Lab File ID:	6G103139.D	**Injection Time:**	11:12
Instrument ID:	GC6G		

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	34031157	56566181
4,4'-DDE	16908622	31739701
4,4'-DDT	6082647802	7096557704
DDT Breakdown [a]	0.8 %	1.2 %
Endrin aldehyde	43931020	99079371
Endrin ketone	53624716	109736101
Endrin	3412731216	4190111905
Endrin Breakdown [b]	2.8 %	4.7 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
G6G3879-IC3879	6G103142.D	12/06/24	12:15	01:03	Initial cal 0.1
G6G3879-IC3879	6G103143.D	12/06/24	12:36	01:24	Initial cal 0.2
G6G3879-IC3879	6G103144.D	12/06/24	12:56	01:44	Initial cal 0.5
G6G3879-IC3879	6G103145.D	12/06/24	13:17	02:05	Initial cal 1
G6G3879-ICC3879	6G103146.D	12/06/24	13:38	02:26	Initial cal 2.5
G6G3879-IC3879	6G103148.D	12/06/24	14:20	03:08	Initial cal 5
G6G3879-IC3879	6G103149.D	12/06/24	14:40	03:28	Initial cal 7.5
G6G3879-IC3879	6G103150.D	12/06/24	15:01	03:49	Initial cal 10
G6G3879-IC3879	6G103151.D	12/06/24	15:22	04:10	Initial cal 50
G6G3879-IC3879	6G103152.D	12/06/24	15:43	04:31	Initial cal 50
G6G3879-ICV3879	6G103154.D	12/06/24	16:25	05:13	Initial cal verification 50
G6G3879-ICV3879	6G103155.D	12/06/24	16:45	05:33	Initial cal verification 50

DDT/Endrin Breakdown Check

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	G6G3881-DDT	**Injection Date:**	12/09/24
Lab File ID:	6G103195.D	**Injection Time:**	18:02
Instrument ID:	GC6G		

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	86959074	123921650
4,4'-DDE	11473212	38790070
4,4'-DDT	5951394555	6667537940
DDT Breakdown [a]	1.6 %	2.4 %
Endrin aldehyde	34817459	61009616
Endrin ketone	52949301	82246606
Endrin	3242686223	3715136916
Endrin Breakdown [b]	2.6 %	3.7 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
G6G3881-CC3879	6G103196.D	12/09/24	18:23	00:21	Continuing cal 5
OP59859-MB1	6G103198.D	12/09/24	19:05	01:03	Method Blank
OP59859-BS1	6G103199.D	12/09/24	19:26	01:24	Blank Spike
JE1296-1R	6G103200.D	12/09/24	19:47	01:45	GRID-26R
ZZZZZZ	6G103201.D	12/09/24	20:08	02:06	(unrelated sample)
ZZZZZZ	6G103202.D	12/09/24	20:29	02:27	(unrelated sample)
ZZZZZZ	6G103204.D	12/09/24	21:11	03:09	(unrelated sample)
ZZZZZZ	6G103205.D	12/09/24	21:32	03:30	(unrelated sample)
ZZZZZZ	6G103206.D	12/09/24	21:53	03:51	(unrelated sample)
ZZZZZZ	6G103207.D	12/09/24	22:14	04:12	(unrelated sample)

DDT/Endrin Breakdown Check

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	G8G2596-DDT	**Injection Date:**	09/18/24
Lab File ID:	8G60340.D	**Injection Time:**	10:50
Instrument ID:	GC8G		

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	6679618	18368373
4,4'-DDE	1340099	5370003
4,4'-DDT	689441934	1255768508
DDT Breakdown [a]	1.1 %	1.9 %
Endrin aldehyde	2965374	21664296
Endrin ketone	11326377	17699250
Endrin	311157621	655895389
Endrin Breakdown [b]	4.4 %	5.7 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
G8G2596-IC2596	8G60342.D	09/18/24	11:35	00:45	Initial cal 0.1
G8G2596-IC2596	8G60343.D	09/18/24	11:58	01:08	Initial cal 0.2
G8G2596-IC2596	8G60344.D	09/18/24	12:21	01:31	Initial cal 0.5
G8G2596-IC2596	8G60345.D	09/18/24	12:43	01:53	Initial cal 1
G8G2596-ICC2596	8G60346.D	09/18/24	13:06	02:16	Initial cal 2.5
G8G2596-IC2596	8G60347.D	09/18/24	13:29	02:39	Initial cal 5
G8G2596-IC2596	8G60348.D	09/18/24	13:51	03:01	Initial cal 7.5
G8G2596-IC2596	8G60349.D	09/18/24	14:14	03:24	Initial cal 10
G8G2596-ICV2596	8G60350.D	09/18/24	14:37	03:47	Initial cal verification 2.5
G8G2596-IC2596	8G60351.D	09/18/24	15:00	04:10	Initial cal 50
G8G2596-ICV2596	8G60352.D	09/18/24	15:22	04:32	Initial cal verification 50
G8G2596-IC2596	8G60353.D	09/18/24	15:45	04:55	Initial cal 50
G8G2596-ICV2596	8G60354.D	09/18/24	16:08	05:18	Initial cal verification 50

DDT/Endrin Breakdown Check

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	G8G2700-DDT	**Injection Date:**	12/03/24
Lab File ID:	8G62762.D	**Injection Time:**	00:19
Instrument ID:	GC8G		

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	13352496	45252466
4,4'-DDE	723064	2850969
4,4'-DDT	657954260	1067635809
DDT Breakdown [a]	2.1 %	4.3 %
Endrin aldehyde	877688	5876817
Endrin ketone	7141980	13027832
Endrin	347533700	630312279
Endrin Breakdown [b]	2.3 %	2.9 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
G8G2700-CC2596	8G62764.D	12/03/24	01:07	00:48	Continuing cal 5
OP59820-MB1	8G62766.D	12/03/24	01:55	01:36	Method Blank
OP59820-BS1	8G62767.D	12/03/24	02:19	02:00	Blank Spike
OP59820-BSD	8G62768.D	12/03/24	02:43	02:24	Blank Spike Duplicate
OP59833-MB1	8G62769.D	12/03/24	03:07	02:48	Method Blank
OP59833-BS1	8G62770.D	12/03/24	03:31	03:12	Blank Spike
ZZZZZZ	8G62771.D	12/03/24	03:55	03:36	(unrelated sample)
OP59833-MS	8G62774.D	12/03/24	05:07	04:48	Matrix Spike
OP59833-MSD	8G62775.D	12/03/24	05:31	05:12	Matrix Spike Duplicate
JE1300-9Q	8G62776.D	12/03/24	05:55	05:36	(used for QC only; not part of job JE1296R)
ZZZZZZ	8G62777.D	12/03/24	06:19	06:00	(unrelated sample)
ZZZZZZ	8G62778.D	12/03/24	06:43	06:24	(unrelated sample)
ZZZZZZ	8G62779.D	12/03/24	07:06	06:47	(unrelated sample)
ZZZZZZ	8G62780.D	12/03/24	07:30	07:11	(unrelated sample)
ZZZZZZ	8G62781.D	12/03/24	07:53	07:34	(unrelated sample)
ZZZZZZ	8G62782.D	12/03/24	08:17	07:58	(unrelated sample)

DDT/Endrin Breakdown Check

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	G8G2704-DDT	**Injection Date:**	12/04/24
Lab File ID:	8G62843.D	**Injection Time:**	14:33
Instrument ID:	GC8G		

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	15999296	51338802
4,4'-DDE	1065425	3557918
4,4'-DDT	636139236	1070676023
DDT Breakdown [a]	2.6 %	4.9 %
Endrin aldehyde	2313249	9504193
Endrin ketone	8562494	14565598
Endrin	333041143	631701162
Endrin Breakdown [b]	3.2 %	3.7 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
G8G2704-CC2596	8G62845A.D	12/04/24	15:22	00:49	Continuing cal 5
OP59852-MB1	8G62847.D	12/04/24	16:11	01:38	Method Blank
OP59852-BS1	8G62848.D	12/04/24	16:36	02:03	Blank Spike
OP59852-MS	8G62849.D	12/04/24	17:01	02:28	Matrix Spike
OP59852-MSD	8G62850.D	12/04/24	17:26	02:53	Matrix Spike Duplicate
JE1037-1	8G62851.D	12/04/24	17:51	03:18	(used for QC only; not part of job JE1296R)
ZZZZZZ	8G62852.D	12/04/24	18:16	03:43	(unrelated sample)
ZZZZZZ	8G62853.D	12/04/24	18:41	04:08	(unrelated sample)
JE1296-13R	8G62855.D	12/04/24	19:32	04:59	GRID-28R
JE1296-25R	8G62856.D	12/04/24	19:58	05:25	GRID-16R
JE1296-37R	8G62857.D	12/04/24	20:23	05:50	GRID-18R
ZZZZZZ	8G62858.D	12/04/24	20:48	06:15	(unrelated sample)
ZZZZZZ	8G62861.D	12/04/24	22:30	07:57	(unrelated sample)
ZZZZZZ	8G62862.D	12/04/24	22:54	08:21	(unrelated sample)
ZZZZZZ	8G62863.D	12/04/24	23:19	08:46	(unrelated sample)
ZZZZZZ	8G62864.D	12/04/24	23:45	09:12	(unrelated sample)
ZZZZZZ	8G62865.D	12/05/24	00:11	09:38	(unrelated sample)
ZZZZZZ	8G62866.D	12/05/24	00:37	10:04	(unrelated sample)

GC Identification Summary

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G6G3881-CC3879	**Injection Date:**	12/09/24
Lab File ID:	6G103196.D	**Injection Time:**	18:23
Instrument ID:	GC6G	**Method:**	SW846 8081B

Sample ID:	JE1296-1R	**Injection Date:**	12/09/24
Lab File ID:	6G103200.D	**Injection Time:**	19:47
Client ID:	GRID-26R		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
alpha-Chlordane	1	8.24	8.26	0.00025	J	mg/kg	70.3
alpha-Chlordane [a]	2 [b]	9.93	9.93	0.00012	J	mg/kg	
Chlordane (alpha and gamma)	n/a [c]			0.00012	J	mg/kg	
4,4'-DDD	1 [b]	9.23	9.22	0.000087	J	mg/kg	31.9
4,4'-DDD	2	11.18	11.18	0.00012	J	mg/kg	
4,4'-DDE	1 [b]	8.37	8.37	0.0013		mg/kg	20.7
4,4'-DDE	2	10.19	10.19	0.0016		mg/kg	
4,4'-DDT	1 [b]	9.63	9.64	0.00079		mg/kg	18.4
4,4'-DDT	2	11.73	11.73	0.00095		mg/kg	

(a) More than 40 % RPD for detected concentrations between the two GC columns.
(b) Final result reported from this column.
(c) Final reported result.

GC Identification Summary

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G8G2704-CC2596	**Injection Date:**	12/04/24
Lab File ID:	8G62845A.D	**Injection Time:**	15:22
Instrument ID:	GC8G	**Method:**	SW846 8081B

Sample ID:	JE1296-13R	**Injection Date:**	12/04/24
Lab File ID:	8G62855.D	**Injection Time:**	19:32
Client ID:	GRID-28R		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
alpha-Chlordane	1	5.78	5.78	0.0174		mg/kg	50.4
alpha-Chlordane [a]	2 [b]	7.47	7.47	0.0104		mg/kg	
gamma-Chlordane	1 [b]	5.61	5.59	0.0086		mg/kg	2.3
gamma-Chlordane	2	7.24	7.23	0.0088		mg/kg	
Chlordane (alpha and gamma)	n/a [c]			0.0190		mg/kg	
Dieldrin	1	6.32	6.31	0.0022		mg/kg	51.4
Dieldrin [a]	2 [b]	8.05	8.04	0.0013		mg/kg	
4,4'-DDD	1 [b]	6.77	6.77	0.0148		mg/kg	9.0
4,4'-DDD	2	8.72	8.72	0.0162		mg/kg	
4,4'-DDE	1	5.89	5.88	0.0205		mg/kg	1.0
4,4'-DDE	2 [b]	7.73	7.72	0.0203		mg/kg	
4,4'-DDT	1 [b]	7.21	7.20	0.0085		mg/kg	4.6
4,4'-DDT	2	9.28	9.28	0.0089		mg/kg	
Endosulfan-II [a]	1 [b]	7.01	7.00	0.00023	J	mg/kg	94.3
Endosulfan-II [a]	2	8.93	8.94	0.00064		mg/kg	
Heptachlor epoxide	1	5.43	5.42	0.0029		mg/kg	46.8
Heptachlor epoxide [a]	2 [b]	6.93	6.92	0.0018		mg/kg	

(a) More than 40 % RPD for detected concentrations between the two GC columns.
(b) Final result reported from this column.
(c) Final reported result.

GC Identification Summary

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G8G2700-CC2596	**Injection Date:**	12/03/24
Lab File ID:	8G62764.D	**Injection Time:**	01:07
Instrument ID:	GC8G	**Method:**	SW846 8081B

Sample ID:	OP59833-BS1	**Injection Date:**	12/03/24
Lab File ID:	8G62770.D	**Injection Time:**	03:31
Client ID:	Blank Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aldrin	1	4.65	4.65	5.2		ug/kg	14.4
Aldrin	2 [a]	6.04	6.04	4.5		ug/kg	
alpha-BHC	1	3.44	3.44	5.2		ug/kg	14.4
alpha-BHC	2 [a]	4.39	4.39	4.5		ug/kg	
beta-BHC	1	3.84	3.84	5.1		ug/kg	17.0
beta-BHC	2 [a]	4.96	4.96	4.3		ug/kg	
delta-BHC	1	4.04	4.04	5.4		ug/kg	16.0
delta-BHC	2 [a]	5.40	5.40	4.6		ug/kg	
gamma-BHC (Lindane)	1	3.76	3.76	5.1		ug/kg	12.5
gamma-BHC (Lindane)	2 [a]	4.87	4.87	4.5		ug/kg	
alpha-Chlordane	1	5.78	5.77	5.4		ug/kg	16.0
alpha-Chlordane	2 [a]	7.47	7.47	4.6		ug/kg	
gamma-Chlordane	1	5.59	5.59	4.9		ug/kg	4.2
gamma-Chlordane	2 [a]	7.23	7.23	4.7		ug/kg	
Chlordane (alpha and gamma)	n/a [b]			9.2		ug/kg	
Dieldrin	1	6.31	6.31	5.2		ug/kg	12.2
Dieldrin	2 [a]	8.04	8.04	4.6		ug/kg	
4,4'-DDD	1	6.77	6.77	5.2		ug/kg	10.1
4,4'-DDD	2 [a]	8.72	8.72	4.7		ug/kg	
4,4'-DDE	1	5.88	5.88	5.4		ug/kg	9.7
4,4'-DDE	2 [a]	7.72	7.72	4.9		ug/kg	
4,4'-DDT	1	7.20	7.20	5.2		ug/kg	14.4
4,4'-DDT	2 [a]	9.28	9.28	4.5		ug/kg	
Endrin	1	6.66	6.66	6.2		ug/kg	17.5
Endrin	2 [a]	8.58	8.58	5.2		ug/kg	
Endosulfan sulfate	1	8.38	8.38	5.4		ug/kg	20.4
Endosulfan sulfate	2 [a]	10.01	10.01	4.4		ug/kg	
Endrin aldehyde	1	7.66	7.66	5.3		ug/kg	16.3
Endrin aldehyde	2 [a]	9.52	9.52	4.5		ug/kg	
Endosulfan-I	1	5.97	5.97	5.0		ug/kg	10.5
Endosulfan-I	2 [a]	7.58	7.58	4.5		ug/kg	
Endosulfan-II	1	7.00	7.00	5.3		ug/kg	16.3
Endosulfan-II	2 [a]	8.94	8.94	4.5		ug/kg	
Heptachlor	1	4.29	4.29	5.1		ug/kg	14.7
Heptachlor	2 [a]	5.53	5.53	4.4		ug/kg	
Heptachlor epoxide	1	5.42	5.42	5.2		ug/kg	14.4
Heptachlor epoxide	2 [a]	6.92	6.92	4.5		ug/kg	
Methoxychlor	1	8.00	8.00	5.2		ug/kg	16.7
Methoxychlor	2 [a]	10.51	10.51	4.4		ug/kg	
Endrin ketone	1	8.83	8.83	5.0		ug/kg	24.7
Endrin ketone	2 [a]	10.97	10.97	3.9		ug/kg	

GC Identification Summary

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G8G2700-CC2596	**Injection Date:**	12/03/24
Lab File ID:	8G62764.D	**Injection Time:**	01:07
Instrument ID:	GC8G	**Method:**	SW846 8081B

Sample ID:	OP59833-BS1	**Injection Date:**	12/03/24
Lab File ID:	8G62770.D	**Injection Time:**	03:31
Client ID:	Blank Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc

(a) QC results reported from this column.
(b) Final reported result.

GC Identification Summary

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G8G2704-CC2596	**Injection Date:**	12/04/24
Lab File ID:	8G62845A.D	**Injection Time:**	15:22
Instrument ID:	GC8G	**Method:**	SW846 8081B

Sample ID:	OP59852-BS1	**Injection Date:**	12/04/24
Lab File ID:	8G62848.D	**Injection Time:**	16:36
Client ID:	Blank Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aldrin	1	4.65	4.65	5.2		ug/kg	12.2
Aldrin	2 [a]	6.04	6.04	4.6		ug/kg	
alpha-BHC	1	3.45	3.45	5.3		ug/kg	18.6
alpha-BHC	2 [a]	4.39	4.39	4.4		ug/kg	
beta-BHC	1	3.84	3.84	5.1		ug/kg	12.5
beta-BHC	2 [a]	4.96	4.96	4.5		ug/kg	
delta-BHC	1	4.04	4.04	5.3		ug/kg	9.9
delta-BHC	2 [a]	5.40	5.40	4.8		ug/kg	
gamma-BHC (Lindane)	1	3.76	3.76	5.2		ug/kg	10.1
gamma-BHC (Lindane)	2 [a]	4.87	4.87	4.7		ug/kg	
alpha-Chlordane	1	5.78	5.78	5.3		ug/kg	14.1
alpha-Chlordane	2 [a]	7.47	7.47	4.6		ug/kg	
gamma-Chlordane	1	5.59	5.59	4.9		ug/kg	4.2
gamma-Chlordane	2 [a]	7.23	7.23	4.7		ug/kg	
Chlordane (alpha and gamma)	n/a [b]			9.4		ug/kg	
Dieldrin	1	6.31	6.31	4.9		ug/kg	8.5
Dieldrin	2 [a]	8.04	8.04	4.5		ug/kg	
4,4'-DDD	1	6.77	6.77	5.1		ug/kg	12.5
4,4'-DDD	2 [a]	8.72	8.72	4.5		ug/kg	
4,4'-DDE	1	5.88	5.88	5.2		ug/kg	5.9
4,4'-DDE	2 [a]	7.72	7.72	4.9		ug/kg	
4,4'-DDT	1	7.20	7.20	4.7		ug/kg	13.6
4,4'-DDT	2 [a]	9.28	9.28	4.1		ug/kg	
Endrin	1	6.66	6.66	5.8		ug/kg	18.9
Endrin	2 [a]	8.58	8.58	4.8		ug/kg	
Endosulfan sulfate	1	8.38	8.38	4.9		ug/kg	20.2
Endosulfan sulfate	2 [a]	10.01	10.01	4.0		ug/kg	
Endrin aldehyde	1	7.66	7.66	4.8		ug/kg	15.7
Endrin aldehyde	2 [a]	9.52	9.52	4.1		ug/kg	
Endosulfan-I	1	5.97	5.97	5.1		ug/kg	12.5
Endosulfan-I	2 [a]	7.58	7.58	4.5		ug/kg	
Endosulfan-II	1	7.00	7.00	5.0		ug/kg	17.4
Endosulfan-II	2 [a]	8.94	8.94	4.2		ug/kg	
Heptachlor	1	4.29	4.29	5.0		ug/kg	10.5
Heptachlor	2 [a]	5.53	5.53	4.5		ug/kg	
Heptachlor epoxide	1	5.42	5.42	5.2		ug/kg	12.2
Heptachlor epoxide	2 [a]	6.92	6.92	4.6		ug/kg	
Methoxychlor	1	8.00	8.00	4.5		ug/kg	14.3
Methoxychlor	2 [a]	10.51	10.51	3.9		ug/kg	
Endrin ketone [c]	1 [a]	8.83	8.83	4.7		ug/kg	32.1
Endrin ketone [c]	2	10.97	10.97	3.4		ug/kg	

GC Identification Summary

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G8G2704-CC2596	**Injection Date:**	12/04/24
Lab File ID:	8G62845A.D	**Injection Time:**	15:22
Instrument ID:	GC8G	**Method:**	SW846 8081B

Sample ID:	OP59852-BS1	**Injection Date:**	12/04/24
Lab File ID:	8G62848.D	**Injection Time:**	16:36
Client ID:	Blank Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc

(a) QC results reported from this column.
(b) Final reported result.
(c) Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only.

GC Identification Summary

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G8G2700-CC2596	**Injection Date:**	12/03/24
Lab File ID:	8G62764.D	**Injection Time:**	01:07
Instrument ID:	GC8G	**Method:**	SW846 8081B

Sample ID:	OP59833-MS	**Injection Date:**	12/03/24
Lab File ID:	8G62774.D	**Injection Time:**	05:07
Client ID:	Matrix Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aldrin	1 [a]	4.65	4.65	4.6		ug/kg	11.5
Aldrin	2	6.04	6.04	4.1		ug/kg	
alpha-BHC	1 [a]	3.44	3.44	4.7		ug/kg	13.6
alpha-BHC	2	4.39	4.39	4.1		ug/kg	
beta-BHC	1 [a]	3.84	3.84	3.9		ug/kg	0.0
beta-BHC	2	4.96	4.96	3.9		ug/kg	
delta-BHC	1 [a]	4.04	4.04	4.5		ug/kg	6.9
delta-BHC	2	5.40	5.40	4.2		ug/kg	
gamma-BHC (Lindane)	1 [a]	3.76	3.76	4.5		ug/kg	19.5
gamma-BHC (Lindane)	2	4.87	4.87	3.7		ug/kg	
alpha-Chlordane	1	5.78	5.77	42.8	E	ug/kg	29.5
alpha-Chlordane	2 [a]	7.47	7.47	31.8	E	ug/kg	
gamma-Chlordane	1 [a]	5.60	5.59	9.7		ug/kg	4.2
gamma-Chlordane	2	7.23	7.23	9.3		ug/kg	
Chlordane (alpha and gamma)	n/a [b]			41.1	E	ug/kg	
Dieldrin	1 [a]	6.32	6.31	4.4		ug/kg	10.8
Dieldrin	2	8.04	8.04	4.9		ug/kg	
4,4'-DDD	1	6.77	6.77	4.8		ug/kg	9.9
4,4'-DDD	2 [a]	8.72	8.72	5.3		ug/kg	
4,4'-DDE	1	5.88	5.88	29.3	E	ug/kg	7.1
4,4'-DDE	2 [a]	7.72	7.72	27.3	E	ug/kg	
4,4'-DDT	1	7.20	7.20	16.8		ug/kg	6.3
4,4'-DDT	2 [a]	9.28	9.28	17.9		ug/kg	
Endrin	1	6.66	6.66	6.2		ug/kg	14.9
Endrin	2 [a]	8.58	8.58	7.2		ug/kg	
Endosulfan sulfate	1 [a]	8.38	8.38	3.9		ug/kg	16.5
Endosulfan sulfate	2	10.01	10.01	4.6		ug/kg	
Endrin aldehyde	1 [a]	7.66	7.66	4.3		ug/kg	15.1
Endrin aldehyde	2	9.52	9.52	5.0		ug/kg	
Endosulfan-I	1 [a]	5.97	5.97	17.2		ug/kg	80.8
Endosulfan-I	2	7.58	7.58	7.3		ug/kg	
Endosulfan-II	1 [a]	7.00	7.00	4.5		ug/kg	21.8
Endosulfan-II	2	8.94	8.94	5.6		ug/kg	
Heptachlor	1	4.29	4.29	4.3		ug/kg	4.8
Heptachlor	2 [a]	5.53	5.53	4.1		ug/kg	
Heptachlor epoxide	1	5.42	5.42	45.2	E	ug/kg	32.4
Heptachlor epoxide	2 [a]	6.92	6.92	32.6	E	ug/kg	
Methoxychlor	1 [a]	8.00	8.00	6.3		ug/kg	6.6
Methoxychlor	2	10.51	10.51	5.9		ug/kg	
Endrin ketone	1 [a]	8.84	8.83	6.0		ug/kg	47.4
Endrin ketone	2	10.97	10.97	3.7		ug/kg	

GC Identification Summary

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G8G2700-CC2596	**Injection Date:**	12/03/24
Lab File ID:	8G62764.D	**Injection Time:**	01:07
Instrument ID:	GC8G	**Method:**	SW846 8081B

Sample ID:	OP59833-MS	**Injection Date:**	12/03/24
Lab File ID:	8G62774.D	**Injection Time:**	05:07
Client ID:	Matrix Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc

(a) QC results reported from this column.
(b) Final reported result.

GC Identification Summary

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G8G2704-CC2596	**Injection Date:**	12/04/24
Lab File ID:	8G62845A.D	**Injection Time:**	15:22
Instrument ID:	GC8G	**Method:**	SW846 8081B

Sample ID:	OP59852-MS	**Injection Date:**	12/04/24
Lab File ID:	8G62849.D	**Injection Time:**	17:01
Client ID:	Matrix Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aldrin	1 [a]	4.65	4.65	5.3		ug/kg	35.6
Aldrin	2	6.04	6.04	3.7		ug/kg	
alpha-BHC	1 [a]	3.45	3.45	5.7		ug/kg	56.2
alpha-BHC	2	4.39	4.39	3.2		ug/kg	
beta-BHC	1 [a]	3.84	3.84	5.3		ug/kg	35.6
beta-BHC	2	4.96	4.96	3.7		ug/kg	
delta-BHC	1 [a]	4.05	4.04	5.8		ug/kg	36.7
delta-BHC	2	5.41	5.40	4.0		ug/kg	
gamma-BHC (Lindane)	1 [a]	3.76	3.76	5.6		ug/kg	38.3
gamma-BHC (Lindane)	2	4.87	4.87	3.8		ug/kg	
alpha-Chlordane	1 [a]	5.78	5.78	5.2		ug/kg	33.7
alpha-Chlordane	2	7.47	7.47	3.7		ug/kg	
gamma-Chlordane	1 [a]	5.60	5.59	4.4		ug/kg	25.6
gamma-Chlordane	2	7.23	7.23	3.4		ug/kg	
Chlordane (alpha and gamma)	n/a [b]			7.1		ug/kg	
Dieldrin	1 [a]	6.32	6.31	4.8		ug/kg	23.3
Dieldrin	2	8.04	8.04	3.8		ug/kg	
4,4'-DDD	1 [a]	6.77	6.77	4.9		ug/kg	30.6
4,4'-DDD	2	8.72	8.72	3.6		ug/kg	
4,4'-DDE	1	5.88	5.88	5.1		ug/kg	24.2
4,4'-DDE	2 [a]	7.72	7.72	4.0		ug/kg	
4,4'-DDT	1	7.20	7.20	5.3		ug/kg	30.4
4,4'-DDT	2 [a]	9.28	9.28	3.9		ug/kg	
Endrin	1	6.66	6.66	6.0		ug/kg	35.3
Endrin	2 [a]	8.58	8.58	4.2		ug/kg	
Endosulfan sulfate	1 [a]	8.38	8.38	4.5		ug/kg	25.0
Endosulfan sulfate	2	10.01	10.01	3.5		ug/kg	
Endrin aldehyde	1 [a]	7.66	7.66	4.9		ug/kg	33.3
Endrin aldehyde	2	9.52	9.52	3.5		ug/kg	
Endosulfan-I	1 [a]	5.97	5.97	5.3		ug/kg	38.2
Endosulfan-I	2	7.58	7.58	3.6		ug/kg	
Endosulfan-II	1 [a]	7.00	7.00	5.0		ug/kg	35.3
Endosulfan-II	2	8.94	8.94	3.5		ug/kg	
Heptachlor	1 [a]	4.29	4.29	5.6		ug/kg	40.9
Heptachlor	2	5.53	5.53	3.7		ug/kg	
Heptachlor epoxide	1 [a]	5.42	5.42	5.4		ug/kg	37.4
Heptachlor epoxide	2	6.92	6.92	3.7		ug/kg	
Methoxychlor	1 [a]	8.00	8.00	4.9		ug/kg	20.2
Methoxychlor	2	10.50	10.51	4.0		ug/kg	
Endrin ketone	1 [a]	8.83	8.83	4.9		ug/kg	48.1
Endrin ketone	2	10.97	10.97	3.0		ug/kg	

GC Identification Summary

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G8G2704-CC2596	**Injection Date:**	12/04/24
Lab File ID:	8G62845A.D	**Injection Time:**	15:22
Instrument ID:	GC8G	**Method:**	SW846 8081B

Sample ID:	OP59852-MS	**Injection Date:**	12/04/24
Lab File ID:	8G62849.D	**Injection Time:**	17:01
Client ID:	Matrix Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc

(a) QC results reported from this column.
(b) Final reported result.

GC Identification Summary

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G8G2700-CC2596	**Injection Date:**	12/03/24
Lab File ID:	8G62764.D	**Injection Time:**	01:07
Instrument ID:	GC8G	**Method:**	SW846 8081B

Sample ID:	OP59833-MSD	**Injection Date:**	12/03/24
Lab File ID:	8G62775.D	**Injection Time:**	05:31
Client ID:	Matrix Spike Duplicate		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aldrin	1 [a]	4.65	4.65	4.6		ug/kg	4.3
Aldrin	2	6.04	6.04	4.8		ug/kg	
alpha-BHC	1 [a]	3.44	3.44	5.0		ug/kg	12.8
alpha-BHC	2	4.39	4.39	4.4		ug/kg	
beta-BHC	1 [a]	3.84	3.84	3.9		ug/kg	7.4
beta-BHC	2	4.96	4.96	4.2		ug/kg	
delta-BHC	1 [a]	4.04	4.04	4.5		ug/kg	2.2
delta-BHC	2	5.40	5.40	4.6		ug/kg	
gamma-BHC (Lindane)	1 [a]	3.76	3.76	4.4		ug/kg	9.5
gamma-BHC (Lindane)	2	4.87	4.87	4.0		ug/kg	
alpha-Chlordane	1	5.78	5.77	48.0	E	ug/kg	20.7
alpha-Chlordane	2 [a]	7.47	7.47	39.0	E	ug/kg	
gamma-Chlordane	1 [a]	5.60	5.59	10.9		ug/kg	0.9
gamma-Chlordane	2	7.23	7.23	10.8		ug/kg	
Chlordane (alpha and gamma)	n/a [b]			49.8	E	ug/kg	
Dieldrin	1 [a]	6.32	6.31	4.9		ug/kg	11.5
Dieldrin	2	8.04	8.04	5.5		ug/kg	
4,4'-DDD	1	6.77	6.77	5.3		ug/kg	17.2
4,4'-DDD	2 [a]	8.72	8.72	6.3		ug/kg	
4,4'-DDE	1	5.88	5.88	32.2	E	ug/kg	1.2
4,4'-DDE	2 [a]	7.72	7.72	32.6	E	ug/kg	
4,4'-DDT	1	7.20	7.20	18.6		ug/kg	15.4
4,4'-DDT	2 [a]	9.28	9.28	21.7	E	ug/kg	
Endrin	1	6.66	6.66	6.6		ug/kg	19.2
Endrin	2 [a]	8.58	8.58	8.0		ug/kg	
Endosulfan sulfate	1 [a]	8.38	8.38	4.2		ug/kg	15.4
Endosulfan sulfate	2	10.01	10.01	4.9		ug/kg	
Endrin aldehyde	1 [a]	7.66	7.66	4.8		ug/kg	17.1
Endrin aldehyde	2	9.52	9.52	5.7		ug/kg	
Endosulfan-I	1 [a]	5.97	5.97	19.3	E	ug/kg	95.8
Endosulfan-I	2	7.58	7.58	6.8		ug/kg	
Endosulfan-II	1 [a]	7.00	7.00	4.6		ug/kg	28.0
Endosulfan-II	2	8.94	8.94	6.1		ug/kg	
Heptachlor	1	4.29	4.29	4.3		ug/kg	4.5
Heptachlor	2 [a]	5.53	5.53	4.5		ug/kg	
Heptachlor epoxide	1	5.42	5.42	50.6	E	ug/kg	24.6
Heptachlor epoxide	2 [a]	6.92	6.92	39.5	E	ug/kg	
Methoxychlor	1 [a]	8.00	8.00	6.7		ug/kg	4.6
Methoxychlor	2	10.51	10.51	6.4		ug/kg	
Endrin ketone	1 [a]	8.84	8.83	6.5		ug/kg	40.7
Endrin ketone	2	10.97	10.97	4.3		ug/kg	

GC Identification Summary

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G8G2700-CC2596	**Injection Date:**	12/03/24
Lab File ID:	8G62764.D	**Injection Time:**	01:07
Instrument ID:	GC8G	**Method:**	SW846 8081B

Sample ID:	OP59833-MSD	**Injection Date:**	12/03/24
Lab File ID:	8G62775.D	**Injection Time:**	05:31
Client ID:	Matrix Spike Duplicate		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc

(a) QC results reported from this column.
(b) Final reported result.

GC Identification Summary

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G8G2704-CC2596	**Injection Date:**	12/04/24
Lab File ID:	8G62845A.D	**Injection Time:**	15:22
Instrument ID:	GC8G	**Method:**	SW846 8081B

Sample ID:	OP59852-MSD	**Injection Date:**	12/04/24
Lab File ID:	8G62850.D	**Injection Time:**	17:26
Client ID:	Matrix Spike Duplicate		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aldrin	1 [a]	4.65	4.65	4.9		ug/kg	36.1
Aldrin	2	6.04	6.04	3.4		ug/kg	
alpha-BHC	1 [a]	3.45	3.45	5.3		ug/kg	40.9
alpha-BHC	2	4.39	4.39	3.5		ug/kg	
beta-BHC	1 [a]	3.84	3.84	4.9		ug/kg	36.1
beta-BHC	2	4.96	4.96	3.4		ug/kg	
delta-BHC	1 [a]	4.04	4.04	5.3		ug/kg	35.6
delta-BHC	2	5.40	5.40	3.7		ug/kg	
gamma-BHC (Lindane)	1 [a]	3.76	3.76	5.2		ug/kg	41.9
gamma-BHC (Lindane)	2	4.87	4.87	3.4		ug/kg	
alpha-Chlordane	1 [a]	5.78	5.78	4.7		ug/kg	32.1
alpha-Chlordane	2	7.47	7.47	3.4		ug/kg	
gamma-Chlordane	1 [a]	5.60	5.59	4.1		ug/kg	24.7
gamma-Chlordane	2	7.23	7.23	3.2		ug/kg	
Chlordane (alpha and gamma)	n/a [b]			6.5		ug/kg	
Dieldrin	1 [a]	6.31	6.31	4.7		ug/kg	32.1
Dieldrin	2	8.04	8.04	3.4		ug/kg	
4,4'-DDD	1 [a]	6.77	6.77	4.5		ug/kg	27.8
4,4'-DDD	2	8.72	8.72	3.4		ug/kg	
4,4'-DDE	1	5.88	5.88	4.7		ug/kg	23.8
4,4'-DDE	2 [a]	7.72	7.72	3.7		ug/kg	
4,4'-DDT	1	7.20	7.20	5.1		ug/kg	29.2
4,4'-DDT	2 [a]	9.28	9.28	3.8		ug/kg	
Endrin	1	6.66	6.66	5.6		ug/kg	35.8
Endrin	2 [a]	8.58	8.58	3.9		ug/kg	
Endosulfan sulfate	1 [a]	8.38	8.38	4.2		ug/kg	33.3
Endosulfan sulfate	2	10.01	10.01	3.0		ug/kg	
Endrin aldehyde	1 [a]	7.66	7.66	4.5		ug/kg	30.8
Endrin aldehyde	2	9.52	9.52	3.3		ug/kg	
Endosulfan-I	1 [a]	5.97	5.97	4.8		ug/kg	37.0
Endosulfan-I	2	7.58	7.58	3.3		ug/kg	
Endosulfan-II	1 [a]	7.00	7.00	4.6		ug/kg	32.9
Endosulfan-II	2	8.94	8.94	3.3		ug/kg	
Heptachlor	1 [a]	4.29	4.29	5.1		ug/kg	40.0
Heptachlor	2	5.53	5.53	3.4		ug/kg	
Heptachlor epoxide	1 [a]	5.42	5.42	4.9		ug/kg	36.1
Heptachlor epoxide	2	6.92	6.92	3.4		ug/kg	
Methoxychlor	1 [a]	8.00	8.00	4.5		ug/kg	22.2
Methoxychlor	2	10.51	10.51	3.6		ug/kg	
Endrin ketone	1 [a]	8.83	8.83	4.5		ug/kg	46.6
Endrin ketone	2	10.97	10.97	2.8		ug/kg	

GC Identification Summary

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G8G2704-CC2596	**Injection Date:**	12/04/24
Lab File ID:	8G62845A.D	**Injection Time:**	15:22
Instrument ID:	GC8G	**Method:**	SW846 8081B

Sample ID:	OP59852-MSD	**Injection Date:**	12/04/24
Lab File ID:	8G62850.D	**Injection Time:**	17:26
Client ID:	Matrix Spike Duplicate		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc

(a) QC results reported from this column.
(b) Final reported result.

Surrogate Recovery Summary

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Method: SW846 8081B **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S1 [b]	S2 [a]	S2 [b]
JE1296-1R	6G103200.D	95	92	93	58
JE1296-13R	8G62855.D	88	79	31	37
JE1296-25R	8G62856.D	102	96	28* [c]	30
JE1296-37R	8G62857.D	109	94	28* [c]	29
OP59833-BS1	8G62770.D	96	85	86	81
OP59833-MB1	8G62769.D	97	83	103	81
OP59833-MS	8G62774.D	83	77	89	110
OP59833-MSD	8G62775.D	78	81	86	129
OP59852-BS1	8G62848.D	100	89	93	68
OP59852-MB1	8G62847.D	104	92	86	71
OP59852-MS	8G62849.D	106	74	130	85
OP59852-MSD	8G62850.D	100	70	106	72

Surrogate Compounds	Recovery Limits
S1 = Tetrachloro-m-xylene	46-145%
S2 = Decachlorobiphenyl	29-163%

(a) Recovery from GC signal #1
(b) Recovery from GC signal #2
(c) Outside of in house control limits.

GC Surrogate Retention Time Summary

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G6G3881-CC3879	**Injection Date:**	12/09/24
Lab File ID:	6G103196.D	**Injection Time:**	18:23
Instrument ID:	GC6G	**Method:**	SW846 8081B

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	5.51	6.18	12.95	14.86

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
OP59859-MB1	6G103198.D	12/09/24	19:05	5.51	6.18	12.95	14.86
OP59859-BS1	6G103199.D	12/09/24	19:26	5.51	6.18	12.95	14.86
JE1296-1R	6G103200.D	12/09/24	19:47	5.51	6.18	12.95	14.86
ZZZZZZ	6G103201.D	12/09/24	20:08	5.51	6.18	12.95	14.86
ZZZZZZ	6G103202.D	12/09/24	20:29	5.51	6.18	12.95	14.86
ZZZZZZ	6G103204.D	12/09/24	21:11	5.51	6.18	12.96	14.86
ZZZZZZ	6G103205.D	12/09/24	21:32	5.51	6.18	12.95	14.86
ZZZZZZ	6G103206.D	12/09/24	21:53	5.51	6.18	12.95	14.86
ZZZZZZ	6G103207.D	12/09/24	22:14	5.51	6.18	12.95	14.86

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G8G2700-CC2596	**Injection Date:**	12/03/24
Lab File ID:	8G62764.D	**Injection Time:**	01:07
Instrument ID:	GC8G	**Method:**	SW846 8081B

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	2.95	3.65	10.62	13.00

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
OP59820-MB1	8G62766.D	12/03/24	01:55	2.95	3.65	10.62	13.00
OP59820-BS1	8G62767.D	12/03/24	02:19	2.95	3.65	10.62	13.00
OP59820-BSD	8G62768.D	12/03/24	02:43	2.95	3.65	10.62	13.00
OP59833-MB1	8G62769.D	12/03/24	03:07	2.95	3.65	10.62	13.00
OP59833-BS1	8G62770.D	12/03/24	03:31	2.96	3.65	10.61	12.99
ZZZZZZ	8G62771.D	12/03/24	03:55	2.95	3.65	10.62	12.99
OP59833-MS	8G62774.D	12/03/24	05:07	2.96	3.65	10.61	13.00
OP59833-MSD	8G62775.D	12/03/24	05:31	2.95	3.65	10.61	13.00
JE1300-9Q	8G62776.D	12/03/24	05:55				
ZZZZZZ	8G62777.D	12/03/24	06:19	2.95	3.65	10.61	13.00
ZZZZZZ	8G62778.D	12/03/24	06:43	2.96	3.65	10.62	13.00
ZZZZZZ	8G62779.D	12/03/24	07:06	2.96	3.65	10.61	13.00
ZZZZZZ	8G62780.D	12/03/24	07:30	2.96	3.66	10.62	13.00
ZZZZZZ	8G62781.D	12/03/24	07:53	2.96	3.66	10.62	13.00
ZZZZZZ	8G62782.D	12/03/24	08:17	2.96	3.66	10.61	12.99

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G8G2704-CC2596	**Injection Date:**	12/04/24
Lab File ID:	8G62845A.D	**Injection Time:**	15:22
Instrument ID:	GC8G	**Method:**	SW846 8081B

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	2.96	3.66	10.62	13.00

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
OP59852-MB1	8G62847.D	12/04/24	16:11	2.96	3.66	10.61	12.99
OP59852-BS1	8G62848.D	12/04/24	16:36	2.96	3.66	10.61	12.99
OP59852-MS	8G62849.D	12/04/24	17:01	2.96	3.66	10.61	12.99
OP59852-MSD	8G62850.D	12/04/24	17:26	2.96	3.66	10.61	12.99
JE1037-1	8G62851.D	12/04/24	17:51	2.96	3.66	10.61	13.00
ZZZZZZ	8G62852.D	12/04/24	18:16	2.96	3.66	10.62	12.99
ZZZZZZ	8G62853.D	12/04/24	18:41	2.97	3.66	10.61	12.99
JE1296-13R	8G62855.D	12/04/24	19:32	2.98	3.67	10.62	12.99
JE1296-25R	8G62856.D	12/04/24	19:58	2.98	3.67	10.62	13.00
JE1296-37R	8G62857.D	12/04/24	20:23	2.97	3.67	10.62	13.00
ZZZZZZ	8G62858.D	12/04/24	20:48	2.97	3.67	10.62	13.00
ZZZZZZ	8G62861.D	12/04/24	22:30	2.97	3.67	10.62	13.00
ZZZZZZ	8G62862.D	12/04/24	22:54	2.97	3.67	10.62	13.00
ZZZZZZ	8G62863.D	12/04/24	23:19	2.98	3.67	10.62	12.99
ZZZZZZ	8G62864.D	12/04/24	23:45	2.97	3.67	10.62	13.00
ZZZZZZ	8G62865.D	12/05/24	00:11	2.98	3.67	10.62	13.00
ZZZZZZ	8G62866.D	12/05/24	00:37	2.98	3.67	10.62	12.99

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

Initial Calibration Summary

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G6G3879-ICC3879
Lab FileID: 6G103146.D

Response Factor Report GC6G

Method : C:\msdchem\1\methods\6PSTLVI3879a.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Sun Dec 08 21:21:56 2024
Response via : Initial Calibration

Calibration Files
2 =6g103143.d 5 =6g103144.d 10 =6g103145.d 25 =6g103146.d
50 =6g103148.d 100 =6g103150.d 1 =6g103142.d 75 =6g103149.d

Compound	2	5	10	25	50	100	1	75	Avg	%RSD
1) I 1-bromo-2-nitrobenzen	ISTD									
2) Tetrachloro-	1.085	1.120	0.984	1.085	1.069	1.051		1.052	1.064	3.97
3) Hexachlorobe	1.866	1.849	1.673	1.738	1.747	1.712	1.961	1.689	1.779	5.70
4) alpha-BHC	1.730	1.817	1.648	1.819	1.865	1.859	1.751	1.821	1.789	4.13
5) gamma-BHC	1.504	1.588	1.423	1.552	1.603	1.622	1.681	1.597	1.571	5.01
6) Heptachlor	1.472	1.565	1.415	1.572	1.517	1.464	1.647	1.439	1.511	5.20
7) beta-BHC	0.664	0.690	0.635	0.623	0.667	0.669	0.742	0.653	0.668	5.47
8) delta-BHC	1.349	1.608	1.393	1.420	1.595	1.615	1.658	1.559	1.525	7.76
9) Aldrin	1.436	1.529	1.353	1.511	1.491	1.465	1.596	1.455	1.479	4.84
10) Alachlor		0.198	0.163	0.164	0.152	0.136		0.138	0.158	14.26
11) Heptachlor E	0.996	1.295	1.037	0.894	1.294	1.153	0.727	1.058	1.057	18.30
12) gamma-Chlord	1.432	1.493	1.222	1.434	1.353	1.364	1.545	1.318	1.395	7.35
13) alpha-Chlord	1.284	1.407	1.176	1.344	1.312	1.322	1.460	1.270	1.322	6.54
14) Endosulfan I	1.261	1.400	1.140	1.231	1.238	1.198	1.432	1.204	1.263	8.01
15) 4,4'-DDE	1.213	1.323	1.122	1.315	1.279	1.285	1.356	1.206	1.262	6.09
16) Dieldrin	1.471	1.471	1.224	1.327	1.348	1.325	1.547	1.304	1.377	7.83
17) Endrin	1.235	1.326	1.111	1.289	1.236	1.196	1.362	1.137	1.236	7.10
18) 4,4'-DDD	1.003	1.085	0.952	1.037	1.059	1.040	1.130	0.985	1.036	5.47
19) Endosulfan I	1.156	1.216	1.032	1.135	1.130	1.091	1.281	1.056	1.137	7.22
20) 4,4'-DDT	1.039	1.148	0.989	1.200	1.129	1.131	1.142	1.041	1.102	6.44
21) Endrin Aldeh	1.103	0.957	0.820	0.894	0.833	0.808	1.169	0.781	0.921	15.74
22) Endosulfan S	0.984	1.058	0.883	1.000	0.974	0.980	1.027	0.916	0.978	5.76
23) Methoxychlor	0.567	0.572	0.515	0.570	0.558	0.533	0.645	0.525	0.561	7.24
24) Mirex	0.878	0.900	0.769	0.818	0.817	0.805	0.911	0.778	0.835	6.53
25) Endrin Keton	1.107	1.183	0.995	1.026	1.097	1.075	1.229	1.040	1.094	7.25
26) Decachlorobi	0.819	0.909	0.826	0.795	0.883	0.879	0.850	0.845	0.851	4.45
27) I 1-bromo-2-nitrobenzen	ISTD									
28) Toxaphene{A}				0.007					0.007	0.00
29) Toxaphene{B}				0.009					0.009	0.00
30) Toxaphene{C}				0.019					0.019	0.00
31) Toxaphene{D}				0.027					0.027	0.00
32) Toxaphene{E}				0.032					0.032	0.00
33) I 1-bromo-2-nitrobenzen	ISTD									
34) Chlordane {A				0.088					0.088	0.00
35) Chlordane {B				0.048					0.048	0.00
36) Chlordane {C				0.183					0.183	0.00
37) Chlordane {D				0.279					0.279	0.00
38) Chlordane {E				0.043					0.043	0.00

Signal #2

Compound	2	5	10	25	50	100	1	75	Avg	%RSD
1) I 1-bromo-2-nitrobenzen	ISTD									
2) Tetrachloro-	0.979	1.204	0.839	0.744	1.114	0.829		0.740	0.921	19.80

Initial Calibration Summary

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G6G3879-ICC3879
Lab FileID: 6G103146.D

```
 3) Hexachlorobe 1.830 1.707 1.430 1.426 1.385 1.361 2.080 1.363 1.573  17.13
 4) alpha-BHC    2.405 2.088 1.763 1.847 1.818 1.819 2.589 1.797 2.016  15.72
 5) gamma-BHC    1.721 1.643 1.413 1.207 1.442 1.430 1.828 1.420 1.513  13.30
        ----- Quadratic regression -----  Coefficient =  0.9987
              Response Ratio = 0.00752 + 1.33758 *A + 0.04748 *A^2

 6) Heptachlor   1.739 1.548 1.308 1.262 1.227 1.146 2.086 1.170 1.436  23.14
        ----- Quadratic regression -----  Coefficient =  0.9999
              Response Ratio = 0.01995 + 1.25727 *A + -0.06174 *A^2

 7) beta-BHC     0.859 0.783 0.655 0.635 0.619 0.601 0.933 0.603 0.711  18.22
 8) delta-BHC    1.618 1.654 1.386 1.309 1.382 1.409 1.866 1.390 1.502  12.71
 9) Aldrin       1.753 1.397 1.168 1.106 1.079 0.960 2.203 1.014 1.335  32.55
        ----- Quadratic regression -----  Coefficient =  0.9999
              Response Ratio = 0.01913 + 1.14421 *A + -0.09602 *A^2

10) Alachlor           0.230 0.175 0.156 0.134 0.112       0.118 0.154  28.51
        ----- Quadratic regression -----  Coefficient =  0.9988
              Response Ratio = 0.00977 + 0.13860 *A + -0.01607 *A^2

11) Heptachlor E 1.350 1.228 1.017 0.920 0.918 0.840 1.539 0.866 1.085  23.74
        ----- Quadratic regression -----  Coefficient =  0.9998
              Response Ratio = 0.01714 + 0.94221 *A + -0.05547 *A^2

12) gamma-Chlord 1.279 1.185 0.974 0.986 0.934 0.898 1.419 0.894 1.071  18.48
13) alpha-Chlord 1.281 1.199 1.026 1.038 0.908 0.880 1.469 0.883 1.086  19.66
14) Endosulfan I 1.325 1.139 0.941 0.839 0.823 0.760 1.616 0.778 1.028  30.00
        ----- Quadratic regression -----  Coefficient =  0.9998
              Response Ratio = 0.02141 + 0.83414 *A + -0.04286 *A^2

15) 4,4'-DDE    1.228 1.142 0.952 0.936 0.908 0.866 1.390 0.840 1.033  19.18
16) Dieldrin    1.335 1.203 1.001 0.979 0.924 0.852 1.584 0.866 1.093  23.73
        ----- Quadratic regression -----  Coefficient =  0.9997
              Response Ratio = 0.01814 + 0.95295 *A + -0.05697 *A^2

17) Endrin      1.166 1.091 0.888 0.884 0.817 0.763 1.392 0.764 0.971  23.17
        ----- Quadratic regression -----  Coefficient =  0.9994
              Response Ratio = 0.01858 + 0.83360 *A + -0.04307 *A^2

18) 4,4'-DDD    1.017 0.959 0.798 0.785 0.748 0.704 1.072 0.691 0.847  17.44
19) Endosulfan I 1.168 1.071 0.884 0.853 0.805 0.737 1.286 0.743 0.943  21.86
        ----- Quadratic regression -----  Coefficient =  0.9994
              Response Ratio = 0.01701 + 0.82747 *A + -0.05243 *A^2

20) 4,4'-DDT    0.980 0.938 0.808 0.844 0.789 0.758 1.096 0.735 0.868  14.41
21) Endrin Aldeh 1.142 0.861 0.733 0.720 0.629 0.576 1.248 0.587 0.812  31.41
        ----- Quadratic regression -----  Coefficient =  0.9992
              Response Ratio = 0.01998 + 0.66050 *A + -0.04970 *A^2

22) Endosulfan S 1.127 1.056 0.876 0.878 0.822 0.757 1.322 0.758 0.950  21.13
        ----- Quadratic regression -----  Coefficient =  0.9993
              Response Ratio = 0.01559 + 0.84278 *A + -0.04994 *A^2

23) Methoxychlor 0.577 0.565 0.472 0.445 0.426 0.386 0.692 0.401 0.496  21.42
        ----- Quadratic regression -----  Coefficient =  0.9999
              Response Ratio = 0.00679 + 0.45079 *A + -0.03440 *A^2

24) Mirex       0.904 0.833 0.716 0.741 0.707 0.684 0.966 0.662 0.777  14.34
25) Endrin Keton 1.229 1.200 1.024 1.059 0.998 0.913 1.335 0.932 1.086  13.99
26) Decachlorobi 0.928 1.010 0.907 0.940 0.912 0.910 0.957 0.917 0.935   3.71
```

Initial Calibration Summary

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G6G3879-ICC3879
Lab FileID: 6G103146.D

27)	I 1-bromo-2-nitrobenzen	----------ISTD----------		
28)	Toxaphene{A}	0.010	0.010	0.00
29)	Toxaphene{B}	0.012	0.012	0.00
30)	Toxaphene{C}	0.009	0.009	0.00
31)	Toxaphene{D}	0.020	0.020	0.00
32)	Toxaphene{E}	0.027	0.027	0.00
33)	I 1-bromo-2-nitrobenzen	----------ISTD----------		
34)	Chlordane {A	0.071	0.071	0.00
35)	Chlordane {B	0.035	0.035	0.00
36)	Chlordane {C	0.110	0.110	0.00
37)	Chlordane {D	0.185	0.185	0.00
38)	Chlordane {E	0.030	0.030	0.00

(#) = Out of Range ### Number of calibration levels exceeded format ###

6PSTLVI3879a.M Sun Dec 08 21:55:30 2024

Initial Calibration Verification

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G6G3879-ICV3879
Lab FileID: 6G103154.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\G6...9\6g103154.d\ECD1A.CH Vial: 0
Signal #2 : C:\msdchem\1\data\G6G3879\6g103154.d\ECD2B.CH
Acq On : 06 Dec 2024 16:25 pm Operator: rebeccak
Sample : icv3879-50 Inst : GC6G
Misc : op59754,g6g3879,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\methods\6PSTLVI3879a.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Sun Dec 08 21:21:56 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	101	0.00	4.82- 4.88
2	SAB	Tetrachloro-m-xylene	1.064	1.115	-4.8	106	0.00	5.49- 5.55
3		Hexachlorobenzene		----------NA----------				
4	A	alpha-BHC		----------NA----------				
5	MA	gamma-BHC		----------NA----------				
6	MA	Heptachlor		----------NA----------				
7	B	beta-BHC		----------NA----------				
8	B	delta-BHC		----------NA----------				
9	MB	Aldrin		----------NA----------				
10		Alachlor		----------NA----------				
11	B	Heptachlor Epoxide		----------NA----------				
12	B	gamma-Chlordane		----------NA----------				
13	B	alpha-Chlordane		----------NA----------				
14	A	Endosulfan I		----------NA----------				
15	B	4,4'-DDE		----------NA----------				
16	MA	Dieldrin		----------NA----------				
17	MA	Endrin		----------NA----------				
18	A	4,4'-DDD		----------NA----------				
19	B	Endosulfan II		----------NA----------				
20	MA	4,4'-DDT		----------NA----------				
21	B	Endrin Aldehyde		----------NA----------				
22	B	Endosulfan Sulfate		----------NA----------				
23	A	Methoxychlor		----------NA----------				
24		Mirex		----------NA----------				
25	B	Endrin Ketone		----------NA----------				
26	SA	Decachlorobiphenyl	0.851	0.844	0.8	97	0.00	12.94-13.00
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	98	0.00	4.75- 4.95
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	101	0.00	4.75- 4.95
34		Chlordane {A}	0.088	0.085	3.4	98	0.00	6.76- 6.96
35		Chlordane {B}	0.048	0.045	6.3	95	0.00	7.25- 7.45
36		Chlordane {C}	0.183	0.177	3.3	97	0.00	8.00- 8.20
37		Chlordane {D}	0.279	0.267	4.3	97	0.00	8.17- 8.37
38		Chlordane {E}	0.043	0.039	9.3	93	0.00	9.24- 9.44

Initial Calibration Verification

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G6G3879-ICV3879
Lab FileID: 6G103154.D

***** Signal #2 *****

1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	103	0.00	5.22-	5.28
2	SAB	Tetrachloro-m-xylene	0.921	0.722	21.6#	67	0.00	6.16-	6.22
3		Hexachlorobenzene		----------NA----------					
4	A	alpha-BHC		----------NA----------					
		---------- True Calc. % Drift ----------							
5	MA	gamma-BHC		----------NA----------					
6	MA	Heptachlor		----------NA----------					
		---------- AvgRF CCRF % Dev ----------							
7	B	beta-BHC		----------NA----------					
8	B	delta-BHC		----------NA----------					
		---------- True Calc. % Drift ----------							
9	MB	Aldrin		----------NA----------					
10		Alachlor		----------NA----------					
11	B	Heptachlor Epoxide		----------NA----------					
		---------- AvgRF CCRF % Dev ----------							
12	B	gamma-Chlordane		----------NA----------					
13	B	alpha-Chlordane		----------NA----------					
		---------- True Calc. % Drift ----------							
14	A	Endosulfan I		----------NA----------					
		---------- AvgRF CCRF % Dev ----------							
15	B	4,4'-DDE		----------NA----------					
		---------- True Calc. % Drift ----------							
16	MA	Dieldrin		----------NA----------					
17	MA	Endrin		----------NA----------					
		---------- AvgRF CCRF % Dev ----------							
18	A	4,4'-DDD		----------NA----------					
		---------- True Calc. % Drift ----------							
19	B	Endosulfan II		----------NA----------					
		---------- AvgRF CCRF % Dev ----------							
20	MA	4,4'-DDT		----------NA----------					
		---------- True Calc. % Drift ----------							
21	B	Endrin Aldehyde		----------NA----------					
22	B	Endosulfan Sulfate		----------NA----------					
23	A	Methoxychlor		----------NA----------					
		---------- AvgRF CCRF % Dev ----------							
24		Mirex		----------NA----------					
25	B	Endrin Ketone		----------NA----------					
26	SA	Decachlorobiphenyl	0.935	0.902	3.5	102	0.00	14.83-	14.89
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	100	0.00	5.15-	5.35
28	L8	Toxaphene{A}		----------NA----------					
29	L8	Toxaphene{B}		----------NA----------					
30	L8	Toxaphene{C}		----------NA----------					
31	L8	Toxaphene{D}		----------NA----------					
32	L8	Toxaphene{E}		----------NA----------					

Initial Calibration Verification

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G6G3879-ICV3879
Lab FileID: 6G103154.D

33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	99	0.00	5.15- 5.35
34		Chlordane {A}	0.071	0.070	1.4	99	0.00	7.94- 8.14
35		Chlordane {B}	0.035	0.036	-2.9	99	0.00	8.63- 8.83
36		Chlordane {C}	0.110	0.110	0.0	99	0.00	9.60- 9.80
37		Chlordane {D}	0.185	0.175	5.4	94	0.00	9.84-10.04
38		Chlordane {E}	0.030	0.033	-10.0	107	0.00	11.37-11.57

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6g103148.d 6PSTLVI3879a.M Sun Dec 08 21:52:22 2024

Initial Calibration Verification

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G6G3879-ICV3879
Lab FileID: 6G103155.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\G6...9\6g103155.d\ECD1A.CH Vial: 0
Signal #2 : C:\msdchem\1\data\G6G3879\6g103155.d\ECD2B.CH
Acq On : 06 Dec 2024 16:45 pm Operator: rebeccak
Sample : icv3879-50 Inst : GC6G
Misc : op59754,g6g3879,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\methods\6PSTLVI3879a.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Sun Dec 08 21:21:56 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	105	0.00	4.82- 4.88
2	SAB	Tetrachloro-m-xylene	1.064	1.073	-0.8	105	0.00	5.49- 5.55
3		Hexachlorobenzene		----------NA----------				
4	A	alpha-BHC		----------NA----------				
5	MA	gamma-BHC		----------NA----------				
6	MA	Heptachlor		----------NA----------				
7	B	beta-BHC		----------NA----------				
8	B	delta-BHC		----------NA----------				
9	MB	Aldrin		----------NA----------				
10		Alachlor		----------NA----------				
11	B	Heptachlor Epoxide		----------NA----------				
12	B	gamma-Chlordane		----------NA----------				
13	B	alpha-Chlordane		----------NA----------				
14	A	Endosulfan I		----------NA----------				
15	B	4,4'-DDE		----------NA----------				
16	MA	Dieldrin		----------NA----------				
17	MA	Endrin		----------NA----------				
18	A	4,4'-DDD		----------NA----------				
19	B	Endosulfan II		----------NA----------				
20	MA	4,4'-DDT		----------NA----------				
21	B	Endrin Aldehyde		----------NA----------				
22	B	Endosulfan Sulfate		----------NA----------				
23	A	Methoxychlor		----------NA----------				
24		Mirex		----------NA----------				
25	B	Endrin Ketone		----------NA----------				
26	SA	Decachlorobiphenyl	0.851	0.888	-4.3	105	0.00	12.94-13.00
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	101	0.00	4.75- 4.95
28	L8	Toxaphene{A}	0.007	0.007	0.0	107	-0.03	8.14- 8.34
29	L8	Toxaphene{B}	0.009	0.008	11.1	85	0.00	8.82- 9.02
30	L8	Toxaphene{C}	0.019	0.017	10.5	96	0.00	9.51- 9.71
31	L8	Toxaphene{D}	0.027	0.024	11.1	92	0.00	10.34-10.54
32	L8	Toxaphene{E}	0.032	0.026	18.8	82	0.00	10.50-10.70
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	104	0.00	4.75- 4.95
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				

Initial Calibration Verification

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G6G3879-ICV3879
Lab FileID: 6G103155.D

***** Signal #2 *****

1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	104	0.00	5.21- 5.27
2	SAB	Tetrachloro-m-xylene	0.921	0.829	10.0	77	0.00	6.15- 6.21
3		Hexachlorobenzene		----------NA----------				
4	A	alpha-BHC		----------NA----------				
		---------- True Calc. % Drift ----------						
5	MA	gamma-BHC		----------NA----------				
6	MA	Heptachlor		----------NA----------				
		---------- AvgRF CCRF % Dev ----------						
7	B	beta-BHC		----------NA----------				
8	B	delta-BHC		----------NA----------				
		---------- True Calc. % Drift ----------						
9	MB	Aldrin		----------NA----------				
10		Alachlor		----------NA----------				
11	B	Heptachlor Epoxide		----------NA----------				
		---------- AvgRF CCRF % Dev ----------						
12	B	gamma-Chlordane		----------NA----------				
13	B	alpha-Chlordane		----------NA----------				
		---------- True Calc. % Drift ----------						
14	A	Endosulfan I		----------NA----------				
		---------- AvgRF CCRF % Dev ----------						
15	B	4,4'-DDE		----------NA----------				
		---------- True Calc. % Drift ----------						
16	MA	Dieldrin		----------NA----------				
17	MA	Endrin		----------NA----------				
		---------- AvgRF CCRF % Dev ----------						
18	A	4,4'-DDD		----------NA----------				
		---------- True Calc. % Drift ----------						
19	B	Endosulfan II		----------NA----------				
		---------- AvgRF CCRF % Dev ----------						
20	MA	4,4'-DDT		----------NA----------				
		---------- True Calc. % Drift ----------						
21	B	Endrin Aldehyde		----------NA----------				
22	B	Endosulfan Sulfate		----------NA----------				
23	A	Methoxychlor		----------NA----------				
		---------- AvgRF CCRF % Dev ----------						
24		Mirex		----------NA----------				
25	B	Endrin Ketone		----------NA----------				
26	SA	Decachlorobiphenyl	0.935	0.927	0.9	105	0.00	14.84-14.90
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	100	0.00	5.14- 5.34
28	L8	Toxaphene{A}	0.010	0.011	-10.0	111	0.00	10.36-10.56
29	L8	Toxaphene{B}	0.012	0.012	0.0	96	0.00	11.57-11.77
30	L8	Toxaphene{C}	0.009	0.010	-11.1	119	0.00	11.75-11.95
31	L8	Toxaphene{D}	0.020	0.018	10.0	91	0.00	11.87-12.07
32	L8	Toxaphene{E}	0.027	0.022	18.5	83	0.00	12.80-13.00

Initial Calibration Verification

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G6G3879-ICV3879
Lab FileID: 6G103155.D

33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	99	0.00	5.14- 5.34
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6g103148.d 6PSTLVI3879a.M Sun Dec 08 21:52:35 2024

Initial Calibration Verification

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G6G3879-ICV3879
Lab FileID: 6G103161.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\G6...9\6g103161.d\ECD1A.CH Vial: 0
Signal #2 : C:\msdchem\1\data\G6G3879\6g103161.d\ECD2B.CH
Acq On : 07 Dec 2024 6:39 am Operator: rebeccak
Sample : icv3879-2.5 Inst : GC6G
Misc : op59754,g6g3879,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\methods\6PSTLVI3879a.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Sun Dec 08 21:21:56 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	101	-0.01	4.80- 4.86
2	SAB	Tetrachloro-m-xylene	1.064	1.091	-2.5	102	0.00	5.48- 5.54
3		Hexachlorobenzene	1.779	1.771	0.4	103	-0.01	5.83- 5.89
4	A	alpha-BHC	1.789	1.847	-3.2	103	-0.01	5.99- 6.05
5	MA	gamma-BHC	1.571	1.618	-3.0	106	-0.01	6.30- 6.36
6	MA	Heptachlor	1.511	1.549	-2.5	100	-0.01	6.81- 6.87
7	B	beta-BHC	0.668	0.627	6.1	102	-0.02	6.38- 6.44
8	B	delta-BHC	1.525	1.370	10.2	98	-0.02	6.57- 6.63
9	MB	Aldrin	1.479	1.482	-0.2	99	-0.01	7.16- 7.22
10		Alachlor	0.158	0.157	0.6	97	-0.02	7.32- 7.38
11	B	Heptachlor Epoxide	1.057	0.900	14.9	102	-0.02	7.89- 7.95
12	B	gamma-Chlordane	1.395	1.355	2.9	96	-0.02	8.05- 8.11
13	B	alpha-Chlordane	1.322	1.342	-1.5	101	-0.02	8.23- 8.29
14	A	Endosulfan I	1.263	1.229	2.7	101	-0.02	8.41- 8.47
15	B	4,4'-DDE	1.262	1.299	-2.9	100	-0.02	8.34- 8.40
16	MA	Dieldrin	1.377	1.338	2.8	102	-0.02	8.74- 8.80
17	MA	Endrin	1.236	1.240	-0.3	97	-0.02	9.06- 9.12
18	A	4,4'-DDD	1.036	1.049	-1.3	102	-0.03	9.18- 9.25
19	B	Endosulfan II	1.137	1.170	-2.9	104	-0.02	9.39- 9.45
20	MA	4,4'-DDT	1.102	1.232	-11.8	104	-0.02	9.60- 9.66
21	B	Endrin Aldehyde	0.921	0.903	2.0	102	-0.02	10.02-10.08
22	B	Endosulfan Sulfate	0.978	0.989	-1.1	100	-0.02	10.71-10.77
23	A	Methoxychlor	0.561	0.590	-5.2	105	-0.02	10.38-10.44
24		Mirex	0.835	0.825	1.2	102	-0.02	10.54-10.60
25	B	Endrin Ketone	1.094	1.026	6.2	101	-0.02	11.15-11.21
26	SA	Decachlorobiphenyl	0.851	0.773	9.2	98	-0.02	12.92-12.98
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	0#	-0.01	4.73- 4.93
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	0#	-0.01	4.73- 4.93
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				

Initial Calibration Verification

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G6G3879-ICV3879
Lab FileID: 6G103161.D

***** Signal #2 *****

1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	101	-0.01	5.20- 5.26
2	SAB	Tetrachloro-m-xylene	0.921	0.845	8.3	114	-0.01	6.14- 6.20
3		Hexachlorobenzene	1.573	1.394	11.4	99	-0.02	6.71- 6.77
4	A	alpha-BHC	2.016	1.837	8.9	100	-0.02	6.88- 6.94
			True	Calc.	% Drift			
5	MA	gamma-BHC	2.500	2.137	14.5	98	-0.02	7.35- 7.41
6	MA	Heptachlor	2.500	2.422	3.1	98	-0.02	7.99- 8.05
			AvgRF	CCRF	% Dev			
7	B	beta-BHC	0.711	0.606	14.8	96	-0.02	7.44- 7.50
8	B	delta-BHC	1.502	1.262	16.0	97	-0.02	7.88- 7.94
			True	Calc.	% Drift			
9	MB	Aldrin	2.500	2.354	5.8	98	-0.02	8.48- 8.54
10		Alachlor	2.500	2.519	-0.8	97	-0.02	8.25- 8.31
11	B	Heptachlor Epoxide	2.500	2.360	5.6	98	-0.03	9.35- 9.41
			AvgRF	CCRF	% Dev			
12	B	gamma-Chlordane	1.071	1.039	3.0	106	-0.03	9.65- 9.71
13	B	alpha-Chlordane	1.086	1.034	4.8	100	-0.03	9.88- 9.94
			True	Calc.	% Drift			
14	A	Endosulfan I	2.500	2.440	2.4	101	-0.03	9.99-10.05
			AvgRF	CCRF	% Dev			
15	B	4,4'-DDE	1.033	0.942	8.8	101	-0.03	10.14-10.20
			True	Calc.	% Drift			
16	MA	Dieldrin	2.500	2.550	-2.0	101	-0.03	10.45-10.51
17	MA	Endrin	2.500	2.597	-3.9	100	-0.03	10.97-11.03
			AvgRF	CCRF	% Dev			
18	A	4,4'-DDD	0.847	0.804	5.1	103	-0.03	11.13-11.19
			True	Calc.	% Drift			
19	B	Endosulfan II	2.500	2.566	-2.6	101	-0.03	11.33-11.39
			AvgRF	CCRF	% Dev			
20	MA	4,4'-DDT	0.868	0.869	-0.1	104	-0.03	11.68-11.74
			True	Calc.	% Drift			
21	B	Endrin Aldehyde	2.500	2.790	-11.6	104	-0.03	11.92-11.98
22	B	Endosulfan Sulfate	2.500	2.677	-7.1	104	-0.03	12.40-12.46
23	A	Methoxychlor	2.500	2.720	-8.8	109	-0.02	12.92-12.98
			AvgRF	CCRF	% Dev			
24		Mirex	0.777	0.772	0.6	105	-0.02	13.26-13.32
25	B	Endrin Ketone	1.086	1.103	-1.6	105	-0.02	13.31-13.37
26	SA	Decachlorobiphenyl	0.935	0.973	-4.1	104	-0.02	14.82-14.88
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	101	-0.01	5.13- 5.33
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				

Initial Calibration Verification

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G6G3879-ICV3879
Lab FileID: 6G103161.D

33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	101	-0.01	5.13-	5.33
34		Chlordane {A}	----------NA----------						
35		Chlordane {B}	----------NA----------						
36		Chlordane {C}	----------NA----------						
37		Chlordane {D}	----------NA----------						
38		Chlordane {E}	----------NA----------						

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6g103146.d 6PSTLVI3879a.M Sun Dec 08 21:44:44 2024

Continuing Calibration Summary

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G6G3881-CC3879
Lab FileID: 6G103196.D

Evaluate Continuing Calibration Report

Signal #1 : X:\Dayton SVOA GC\8....1\6g103196.d\ECD1A.CH Vial: 0
Signal #2 : X:\Dayton SVOA GC\8. GC ...G3881\6g103196.d\ECD2B.CH
Acq On : 09-Dec-24, 18:23:34 Operator: mahalial
Sample : cc3879-5 Inst : GC6G
Misc : op59754,g6g3881,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : X:\Dayton SVOA G...1\6PSTLVI3879a.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Tue Dec 10 13:28:54 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	110	0.00	4.81- 4.87
2	SAB	Tetrachloro-m-xylene	1.064	1.099	-3.3	113	0.00	5.48- 5.54
3		Hexachlorobenzene	1.779	1.797	-1.0	113	0.00	5.84- 5.90
4	A	alpha-BHC	1.789	1.912	-6.9	113	0.00	5.99- 6.05
5	MA	gamma-BHC	1.571	1.655	-5.3	114	0.00	6.30- 6.36
6	MA	Heptachlor	1.511	1.601	-6.0	116	0.00	6.81- 6.87
7	B	beta-BHC	0.668	0.686	-2.7	113	0.00	6.38- 6.44
8	B	delta-BHC	1.525	1.671	-9.6	115	0.00	6.58- 6.64
9	MB	Aldrin	1.479	1.528	-3.3	113	0.00	7.16- 7.22
10		Alachlor	0.158	0.150	5.1	108	0.00	7.32- 7.38
11	B	Heptachlor Epoxide	1.057	1.247	-18.0	106	0.00	7.89- 7.95
12	B	gamma-Chlordane	1.395	1.307	6.3	106	0.00	8.06- 8.12
13	B	alpha-Chlordane	1.322	1.266	4.2	106	0.00	8.23- 8.29
14	A	Endosulfan I	1.263	1.193	5.5	106	0.00	8.41- 8.47
15	B	4,4'-DDE	1.262	1.251	0.9	108	0.00	8.34- 8.40
16	MA	Dieldrin	1.377	1.299	5.7	106	0.00	8.74- 8.80
17	MA	Endrin	1.236	1.184	4.2	106	0.00	9.07- 9.13
18	A	4,4'-DDD	1.036	1.035	0.1	108	0.00	9.18- 9.25
19	B	Endosulfan II	1.137	1.089	4.2	106	0.00	9.39- 9.45
20	MA	4,4'-DDT	1.102	1.103	-0.1	108	0.00	9.61- 9.67
21	B	Endrin Aldehyde	0.921	0.807	12.4	107	0.00	10.02-10.08
22	B	Endosulfan Sulfate	0.978	0.922	5.7	104	0.00	10.72-10.78
23	A	Methoxychlor	0.561	0.554	1.2	109	0.00	10.39-10.45
24		Mirex	0.835	0.768	8.0	104	0.00	10.55-10.61
25	B	Endrin Ketone	1.094	1.058	3.3	106	0.00	11.15-11.21
26	SA	Decachlorobiphenyl	0.851	0.786	7.6	98	0.00	12.92-12.98
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	106	0.00	4.74- 4.94
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	110	0.00	4.74- 4.94
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				

Continuing Calibration Summary

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G6G3881-CC3879
Lab FileID: 6G103196.D

***** Signal #2 *****

1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	102	0.00	5.21- 5.27
2	SAB	Tetrachloro-m-xylene	0.921	1.094	-18.8	100	0.00	6.15- 6.21
3		Hexachlorobenzene	1.573	1.413	10.2	104	0.00	6.72- 6.78
4	A	alpha-BHC	2.016	1.848	8.3	104	0.00	6.90- 6.96
		----------	Amount	Calc.	%Drift			
5	MA	gamma-BHC	5.000	5.223	-4.5	103	0.00	7.37- 7.43
6	MA	Heptachlor	5.000	4.962	0.8	100	0.00	8.00- 8.06
		----------	AvgRF	CCRF	%Dev			
7	B	beta-BHC	0.711	0.629	11.5	103	0.00	7.46- 7.52
8	B	delta-BHC	1.502	1.423	5.3	105	0.00	7.89- 7.95
		----------	Amount	Calc.	%Drift			
9	MB	Aldrin	5.000	5.128	-2.6	103	0.00	8.49- 8.55
10		Alachlor	5.000	4.771	4.6	97	0.00	8.27- 8.33
11	B	Heptachlor Epoxide	5.000	5.036	-0.7	101	0.00	9.37- 9.43
		----------	AvgRF	CCRF	%Dev			
12	B	gamma-Chlordane	1.071	0.903	15.7	98	0.00	9.67- 9.73
13	B	alpha-Chlordane	1.086	0.888	18.2	100	0.00	9.90- 9.96
		----------	Amount	Calc.	%Drift			
14	A	Endosulfan I	5.000	4.970	0.6	100	0.00	10.01-10.07
		----------	AvgRF	CCRF	%Dev			
15	B	4,4'-DDE	1.033	0.884	14.4	99	0.00	10.16-10.22
		----------	Amount	Calc.	%Drift			
16	MA	Dieldrin	5.000	4.899	2.0	99	0.00	10.47-10.53
17	MA	Endrin	5.000	4.848	3.0	98	0.00	10.99-11.05
		----------	AvgRF	CCRF	%Dev			
18	A	4,4'-DDD	0.847	0.732	13.6	100	0.00	11.15-11.21
		----------	Amount	Calc.	%Drift			
19	B	Endosulfan II	5.000	4.729	5.4	95	0.00	11.35-11.41
		----------	AvgRF	CCRF	%Dev			
20	MA	4,4'-DDT	0.868	0.736	15.2	95	0.00	11.70-11.76
		----------	Amount	Calc.	%Drift			
21	B	Endrin Aldehyde	5.000	4.836	3.3	99	0.00	11.94-12.00
22	B	Endosulfan Sulfate	5.000	4.698	6.0	95	0.00	12.42-12.48
23	A	Methoxychlor	5.000	4.458	10.8	91	0.00	12.94-13.00
		----------	AvgRF	CCRF	%Dev			
24		Mirex	0.777	0.594	23.6#	86	0.00	13.28-13.34
25	B	Endrin Ketone	1.086	0.870	19.9	89	0.00	13.33-13.39
26	SA	Decachlorobiphenyl	0.935	0.520	44.4#	58	0.00	14.83-14.89
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	98	0.00	5.14- 5.34
28	L8	Toxaphene{A}	----------NA----------					
29	L8	Toxaphene{B}	----------NA----------					
30	L8	Toxaphene{C}	----------NA----------					
31	L8	Toxaphene{D}	----------NA----------					
32	L8	Toxaphene{E}	----------NA----------					

Continuing Calibration Summary

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G6G3881-CC3879
Lab FileID: 6G103196.D

33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	97	0.00	5.14-	5.34
34		Chlordane {A}		----------NA----------					
35		Chlordane {B}		----------NA----------					
36		Chlordane {C}		----------NA----------					
37		Chlordane {D}		----------NA----------					
38		Chlordane {E}		----------NA----------					

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6g103196.d 6PSTLVI3879a.M Tue Dec 10 13:30:15 2024

Continuing Calibration Summary

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G6G3882-CC3879
Lab FileID: 6G103213.D

Evaluate Continuing Calibration Report

Signal #1 : X:\Dayton SVOA GC\8....2\6g103213.d\ECD1A.CH Vial: 0
Signal #2 : X:\Dayton SVOA GC\8. GC ...g3882\6g103213.d\ECD2B.CH
Acq On : 10-Dec-24, 02:17:06 Operator: rebeccak
Sample : cc3879-2.5 Inst : GC6G
Misc : op59854,g6g3882,5.5,,,10,5 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : X:\Dayton SVOA G...2\6PSTLVI3879a.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Tue Dec 10 13:28:54 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	105	0.00	4.81- 4.87
2	SAB	Tetrachloro-m-xylene	1.064	1.096	-3.0	106	0.00	5.48- 5.54
3		Hexachlorobenzene	1.779	1.779	0.0	107	0.00	5.84- 5.90
4	A	alpha-BHC	1.789	1.886	-5.4	109	0.00	5.99- 6.05
5	MA	gamma-BHC	1.571	1.590	-1.2	107	0.00	6.30- 6.36
6	MA	Heptachlor	1.511	1.563	-3.4	104	0.00	6.81- 6.87
7	B	beta-BHC	0.668	0.646	3.3	109	0.00	6.38- 6.44
8	B	delta-BHC	1.525	1.412	7.4	104	0.00	6.58- 6.64
9	MB	Aldrin	1.479	1.503	-1.6	104	0.00	7.16- 7.22
10		Alachlor	0.158	0.152	3.8	97	0.00	7.32- 7.38
11	B	Heptachlor Epoxide	1.057	0.881	16.7	103	0.00	7.89- 7.95
12	B	gamma-Chlordane	1.395	1.340	3.9	98	0.00	8.06- 8.12
13	B	alpha-Chlordane	1.322	1.267	4.2	99	-0.01	8.23- 8.29
14	A	Endosulfan I	1.263	1.211	4.1	103	-0.01	8.41- 8.47
15	B	4,4'-DDE	1.262	1.261	0.1	100	0.00	8.34- 8.40
16	MA	Dieldrin	1.377	1.296	5.9	102	0.00	8.74- 8.80
17	MA	Endrin	1.236	1.168	5.5	95	0.00	9.07- 9.13
18	A	4,4'-DDD	1.036	1.030	0.6	104	-0.01	9.18- 9.25
19	B	Endosulfan II	1.137	1.102	3.1	102	0.00	9.39- 9.45
20	MA	4,4'-DDT	1.102	1.087	1.4	95	-0.01	9.61- 9.67
21	B	Endrin Aldehyde	0.921	0.875	5.0	102	0.00	10.02-10.08
22	B	Endosulfan Sulfate	0.978	0.906	7.4	95	-0.01	10.72-10.78
23	A	Methoxychlor	0.561	0.570	-1.6	105	-0.01	10.39-10.45
24		Mirex	0.835	0.765	8.4	98	-0.01	10.55-10.61
25	B	Endrin Ketone	1.094	0.941	14.0	96	0.00	11.15-11.21
26	SA	Decachlorobiphenyl	0.851	0.712	16.3	94	0.00	12.92-12.98
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	0#	0.00	4.74- 4.94
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	0#	0.00	4.74- 4.94
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				

Continuing Calibration Summary

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G6G3882-CC3879
Lab FileID: 6G103213.D

***** Signal #2 *****

1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	96	0.00	5.21- 5.27
2	SAB	Tetrachloro-m-xylene	0.921	0.868	5.8	112	0.00	6.15- 6.21
3		Hexachlorobenzene	1.573	1.406	10.6	95	0.00	6.72- 6.78
4	A	alpha-BHC	2.016	1.819	9.8	95	0.00	6.90- 6.96
		----------	Amount	Calc.	%Drift	----------		
5	MA	gamma-BHC	2.500	2.050	18.0	90	0.00	7.37- 7.43
6	MA	Heptachlor	2.500	2.392	4.3	92	0.00	8.00- 8.06
		----------	AvgRF	CCRF	%Dev	----------		
7	B	beta-BHC	0.711	0.598	15.9	90	0.00	7.46- 7.52
8	B	delta-BHC	1.502	1.280	14.8	94	0.00	7.89- 7.95
		----------	Amount	Calc.	%Drift	----------		
9	MB	Aldrin	2.500	2.387	4.5	94	0.00	8.49- 8.55
10		Alachlor	2.500	2.611	-4.4	96	0.00	8.27- 8.33
11	B	Heptachlor Epoxide	2.500	2.275	9.0	91	0.00	9.37- 9.43
		----------	AvgRF	CCRF	%Dev	----------		
12	B	gamma-Chlordane	1.071	0.897	16.2	87	0.00	9.67- 9.73
13	B	alpha-Chlordane	1.086	0.871	19.8	81	0.00	9.90- 9.96
		----------	Amount	Calc.	%Drift	----------		
14	A	Endosulfan I	2.500	2.244	10.2	89	0.00	10.01-10.07
		----------	AvgRF	CCRF	%Dev	----------		
15	B	4,4'-DDE	1.033	0.847	18.0	87	0.00	10.16-10.22
		----------	Amount	Calc.	%Drift	----------		
16	MA	Dieldrin	2.500	2.274	9.0	86	0.00	10.47-10.53
17	MA	Endrin	2.500	2.214	11.4	82	0.00	10.99-11.05
		----------	AvgRF	CCRF	%Dev	----------		
18	A	4,4'-DDD	0.847	0.718	15.2	88	0.00	11.15-11.21
		----------	Amount	Calc.	%Drift	----------		
19	B	Endosulfan II	2.500	2.139	14.4	81	0.00	11.35-11.41
		----------	AvgRF	CCRF	%Dev	----------		
20	MA	4,4'-DDT	0.868	0.727	16.2	83	0.00	11.70-11.76
		----------	Amount	Calc.	%Drift	----------		
21	B	Endrin Aldehyde	2.500	2.431	2.8	88	0.00	11.94-12.00
22	B	Endosulfan Sulfate	2.500	2.217	11.3	83	0.00	12.42-12.48
23	A	Methoxychlor	2.500	2.132	14.7	83	0.00	12.94-13.00
		----------	AvgRF	CCRF	%Dev	----------		
24		Mirex	0.777	0.522	32.8#	68	0.00	13.28-13.34
25	B	Endrin Ketone	1.086	0.777	28.5#	70	0.00	13.33-13.39
26	SA	Decachlorobiphenyl	0.935	0.468	49.9#	48#	0.00	14.83-14.89
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	96	0.00	5.14- 5.34
28	L8	Toxaphene{A}	----------NA----------					
29	L8	Toxaphene{B}	----------NA----------					
30	L8	Toxaphene{C}	----------NA----------					
31	L8	Toxaphene{D}	----------NA----------					
32	L8	Toxaphene{E}	----------NA----------					

Continuing Calibration Summary

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G6G3882-CC3879
Lab FileID: 6G103213.D

33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	96	0.00	5.14-	5.34
34		Chlordane {A}		----------NA----------					
35		Chlordane {B}		----------NA----------					
36		Chlordane {C}		----------NA----------					
37		Chlordane {D}		----------NA----------					
38		Chlordane {E}		----------NA----------					

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6g103146.d 6PSTLVI3879a.M Tue Dec 10 20:50:53 2024

Initial Calibration Summary

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G8G2596-ICC2596
Lab FileID: 8G60346.D

Response Factor Report GC8G

Method : C:\msdchem\1\methods\8PSTLVI2596a.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Thu Sep 19 13:29:34 2024
Response via : Initial Calibration

Calibration Files
2 =8g60343.d 5 =8g60344.d 10 =8g60345.d 25 =8g60346.d
50 =8g60347.d 100 =8g60349.d 1 =8g60342.d 75 =8g60348.d

Compound	2	5	10	25	50	100	1	75	Avg	%RSD
1) I 1-bromo-2-nitrobenzen	ISTD									
2) Tetrachloro-	0.866	0.929	0.799	0.974	0.982	1.081	0.976	1.110	0.965	10.66
3) hexachlorobe	1.539	1.596	1.262	1.504	1.503	1.626	1.444	1.682	1.520	8.49
4) alpha-BHC	1.104	1.241	1.067	1.410	1.532	1.754	1.049	1.773	1.366	21.79
----- Quadratic regression ----- Coefficient = 0.9956										
Response Ratio = -0.00276 + 1.17334 *A + 0.33637 *A^2										
5) gamma-BHC	1.058	1.156	0.994	1.283	1.378	1.560	1.086	1.585	1.262	18.03
6) Heptachlor	1.211	1.263	1.023	1.281	1.333	1.472	1.304	1.517	1.301	11.75
7) beta-BHC	0.565	0.617	0.502	0.583	0.588	0.637	0.619	0.658	0.596	8.15
8) delta-BHC	1.033	1.120	1.012	1.274	1.395	1.586	1.103	1.617	1.267	19.09
9) Aldrin	0.956	1.084	0.903	1.159	1.229	1.384	1.070	1.411	1.150	16.05
10) alachlor		0.186	0.159	0.177	0.163			0.175	0.172	6.34
11) Heptachlor E	1.043	1.134	0.933	1.124	1.157	1.265	1.108	1.309	1.134	10.42
12) gamma-Chlord	1.279	1.136	0.888	1.138	1.194	1.321	1.364	1.351	1.209	13.08
13) alpha-Chlord	1.013	1.103	0.903	1.130	1.173	1.310	1.035	1.339	1.126	13.12
14) Endosulfan I	0.994	1.044	0.841	1.040	1.074	1.177	1.026	1.217	1.052	10.91
15) 4,4'-DDE	1.031	1.117	0.905	1.152	1.206	1.349	1.077	1.382	1.152	13.80
16) Dieldrin	1.067	1.085	0.869	1.119	1.184	1.316	1.173	1.353	1.146	13.26
17) Endrin	0.865	0.877	0.737	0.888	0.938	1.044	0.800	1.077	0.903	12.70
18) 4,4'-DDD	0.937	0.917	0.757	0.930	0.974	1.096	0.991	1.119	0.965	11.70
19) Endosulfan I	0.938	0.995	0.799	0.997	1.027	1.128	1.011	1.165	1.008	11.14
20) 4,4'-DDT	0.836	0.957	0.792	0.961	1.023	1.152	0.895	1.178	0.974	14.23
21) Endrin Aldeh	0.962	0.821	0.605	0.789	0.789	0.851	0.927	0.882	0.828	13.25
22) Endosulfan S	0.894	0.948	0.762	0.904	0.929	1.019	0.987	1.054	0.937	9.61
23) Methoxychlor	0.607	0.605	0.470	0.547	0.540	0.566	0.599	0.596	0.566	8.29
24) Mirex	0.874	0.933	0.714	0.828	0.809	0.862	0.952	0.899	0.859	8.85
25) Endrin Keton	1.201	1.176	0.919	1.135	1.155	1.264	1.338	1.305	1.187	10.96
26) Decachlorobi			0.786	0.913	0.912	0.994		1.035	0.928	10.28
27) I 1-bromo-2-nitrobenzen	ISTD									
28) Toxaphene{A}				0.014					0.014	0.00
29) Toxaphene{B}				0.014					0.014	0.00
30) Toxaphene{C}				0.037					0.037	0.00
31) Toxaphene{D}				0.024					0.024	0.00
32) Toxaphene{E}				0.035					0.035	0.00
33) I 1-bromo-2-nitrobenzen	ISTD									
34) Chlordane {A				0.077					0.077	0.00
35) Chlordane {B				0.047					0.047	0.00
36) Chlordane {C				0.166					0.166	0.00
37) Chlordane {D				0.254					0.254	0.00
38) Chlordane {E				0.036					0.036	0.00

Signal #2

Initial Calibration Summary

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G8G2596-ICC2596
Lab FileID: 8G60346.D

1) I	1-bromo-2-nitrobenzen	----------ISTD----------								
2) Tetrachloro-	1.350	1.320	1.044	1.229	1.202	1.220		1.210	1.225	8.06
3) hexachlorobe	1.497	1.371	1.090	1.230	1.192	1.204	1.646	1.199	1.304	14.31
4) alpha-BHC	1.522	1.499	1.244	1.526	1.548	1.593	1.680	1.563	1.522	8.25
5) gamma-BHC	1.385	1.382	1.106	1.334	1.331	1.378	1.500	1.351	1.346	8.21
6) Heptachlor	1.249	1.230	0.993	1.157	1.162	1.181	1.360	1.178	1.189	8.71
7) beta-BHC	0.777	0.736	0.573	0.639	0.621	0.635	0.885	0.627	0.687	15.14
8) delta-BHC	1.327	1.322	1.086	1.269	1.303	1.340	1.462	1.323	1.304	8.01
9) Aldrin	1.268	1.245	1.015	1.224	1.225	1.253	1.380	1.238	1.231	8.20
10) alachlor		0.224	0.175	0.186	0.168			0.165	0.184	13.04
11) Heptachlor E	1.220	1.205	0.961	1.137	1.143	1.161	1.329	1.147	1.163	8.89
12) gamma-Chlord	1.172	1.197	0.950	1.131	1.149	1.178	1.255	1.165	1.150	7.70
13) alpha-Chlord	1.175	1.174	0.948	1.122	1.129	1.157	1.288	1.144	1.142	8.24
14) Endosulfan I	1.069	1.074	0.871	1.036	1.039	1.061	1.169	1.053	1.047	7.87
15) 4,4'-DDE	1.130	1.127	0.915	1.099	1.101	1.129	1.235	1.120	1.107	8.01
16) Dieldrin	1.227	1.214	0.972	1.177	1.181	1.215	1.283	1.199	1.184	7.74
17) Endrin	0.898	0.891	0.727	0.834	0.851	0.878	0.875	0.867	0.853	6.42
18) 4,4'-DDD	1.085	0.996	0.781	0.918	0.921	0.934	1.223	0.927	0.973	13.55
19) Endosulfan I	1.012	1.026	0.820	0.982	0.989	1.007	1.081	1.000	0.989	7.56
20) 4,4'-DDT	0.764	0.817	0.679	0.815	0.837	0.866	0.806	0.857	0.805	7.48
21) Endrin Aldeh	0.890	0.796	0.601	0.727	0.715	0.744	1.009	0.733	0.777	15.91
22) Endosulfan S	0.915	0.938	0.747	0.877	0.879	0.908	1.001	0.889	0.894	8.03
23) Methoxychlor	0.407	0.419	0.336	0.395	0.391	0.403	0.454	0.395	0.400	8.19
24) Mirex	0.549	0.583	0.463	0.627	0.677	0.549	0.601	0.539	0.573	11.24
25) Endrin Keton	1.123	1.761	1.029	1.144	1.164	1.212	1.128	1.210	1.222	18.46
26) Decachlorobi			0.619	0.712	0.702	0.721		0.709	0.693	6.03
27) I	1-bromo-2-nitrobenzen	----------ISTD----------								
28) Toxaphene{A}					0.011			0.011		0.00
29) Toxaphene{B}					0.007			0.007		0.00
30) Toxaphene{C}					0.019			0.019		0.00
31) Toxaphene{D}					0.009			0.009		0.00
32) Toxaphene{E}					0.027			0.027		0.00
33) I	1-bromo-2-nitrobenzen	----------ISTD----------								
34) Chlordane {A					0.068			0.068		0.00
35) Chlordane {B					0.040			0.040		0.00
36) Chlordane {C					0.139			0.139		0.00
37) Chlordane {D					0.229			0.229		0.00
38) Chlordane {E					0.033			0.033		0.00

(#) = Out of Range ### Number of calibration levels exceeded format ###

8PSTLVI2596a.M Thu Sep 19 13:35:44 2024

Initial Calibration Verification

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G8G2596-ICV2596
Lab FileID: 8G60350.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\g8g2596\8g60350.d\ECD1A.ch Vial: 19
Signal #2 : C:\msdchem\1\data\g8g2596\8g60350.d\ECD2B.ch
Acq On : 18 Sep 2024 2:37 pm Operator: rebeccak
Sample : icv2596-2.5 (pest mix) Inst : GC8G
Misc : op57529,g8g2596,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\methods\8PSTLVI2596a.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Thu Sep 19 13:29:34 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	96	0.00	1.92- 2.92
2	SAB	Tetrachloro-m-xylene	0.965	1.156	-19.8	114	0.00	2.94- 3.00
3		hexachlorobenzene	1.520	1.649	-8.5	105	0.00	3.29- 3.35
		----------	True	Calc.	% Drift	----------		
4	A	alpha-BHC	2.500	2.891	-15.6	107	0.00	3.44- 3.50
		----------	AvgRF	CCRF	% Dev	----------		
5	MA	gamma-BHC	1.262	1.457	-15.5	109	0.00	3.76- 3.82
6	MA	Heptachlor	1.301	1.379	-6.0	103	0.00	4.29- 4.35
7	B	beta-BHC	0.596	0.643	-7.9	106	0.00	3.83- 3.89
8	B	delta-BHC	1.267	1.375	-8.5	103	0.00	4.04- 4.10
9	MB	Aldrin	1.150	1.315	-14.3	109	0.00	4.66- 4.72
10		alachlor	0.172	0.196	-14.0	106	0.00	4.81- 4.87
11	B	Heptachlor Epoxide	1.134	1.260	-11.1	107	0.00	5.44- 5.50
12	B	gamma-Chlordane	1.209	1.270	-5.0	107	0.00	5.61- 5.67
13	B	alpha-Chlordane	1.126	1.203	-6.8	102	0.00	5.80- 5.86
14	A	Endosulfan I	1.052	1.149	-9.2	106	0.00	6.00- 6.06
15	B	4,4'-DDE	1.152	1.257	-9.1	105	0.00	5.90- 5.96
16	MA	Dieldrin	1.146	1.229	-7.2	105	0.00	6.34- 6.40
17	MA	Endrin	0.903	0.987	-9.3	107	0.00	6.69- 6.75
18	A	4,4'-DDD	0.965	1.040	-7.8	107	0.00	6.79- 6.85
19	B	Endosulfan II	1.008	1.113	-10.4	107	0.00	7.03- 7.09
20	MA	4,4'-DDT	0.974	1.087	-11.6	108	0.00	7.23- 7.29
21	B	Endrin Aldehyde	0.828	0.973	-17.5	118	0.00	7.69- 7.75
22	B	Endosulfan Sulfate	0.937	0.978	-4.4	104	0.00	8.41- 8.47
23	A	Methoxychlor	0.566	0.590	-4.2	103	0.00	8.03- 8.09
24		Mirex	0.859	0.914	-6.4	106	0.00	8.23- 8.29
25	B	Endrin Ketone	1.187	1.244	-4.8	105	0.00	8.87- 8.93
26	SA	Decachlorobiphenyl	0.928	1.083	-16.7	114	0.00	10.64-10.70
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	96	0.00	1.92- 2.92
28	L8	Toxaphene{A}	----------NA----------					
29	L8	Toxaphene{B}	----------NA----------					
30	L8	Toxaphene{C}	----------NA----------					
31	L8	Toxaphene{D}	----------NA----------					
32	L8	Toxaphene{E}	----------NA----------					
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	96	0.00	1.92- 2.92
34		Chlordane {A}	----------NA----------					
35		Chlordane {B}	----------NA----------					

Initial Calibration Verification

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G8G2596-ICV2596
Lab FileID: 8G60350.D

36		Chlordane {C}			----------NA----------			
37		Chlordane {D}			----------NA----------			
38		Chlordane {E}			----------NA----------			
*****		Signal #2 *****						
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	99	0.00	2.29- 3.29
2	SAB	Tetrachloro-m-xylene	1.225	1.387	-13.2	112	0.00	3.65- 3.71
3		hexachlorobenzene	1.304	1.312	-0.6	106	0.00	4.23- 4.29
4	A	alpha-BHC	1.522	1.557	-2.3	101	0.00	4.40- 4.46
5	MA	gamma-BHC	1.346	1.423	-5.7	106	0.00	4.88- 4.94
6	MA	Heptachlor	1.189	1.178	0.9	101	0.00	5.55- 5.61
7	B	beta-BHC	0.687	0.676	1.6	105	0.00	4.96- 5.02
8	B	delta-BHC	1.304	1.319	-1.2	103	0.00	5.41- 5.47
9	MB	Aldrin	1.231	1.318	-7.1	107	0.00	6.06- 6.12
10		alachlor	0.184	0.194	-5.4	104	0.00	5.81- 5.87
11	B	Heptachlor Epoxide	1.163	1.217	-4.6	106	0.00	6.96- 7.02
12	B	gamma-Chlordane	1.150	1.222	-6.3	107	0.00	7.26- 7.32
13	B	alpha-Chlordane	1.142	1.155	-1.1	102	0.00	7.50- 7.56
14	A	Endosulfan I	1.047	1.082	-3.3	104	0.00	7.62- 7.68
15	B	4,4'-DDE	1.107	1.142	-3.2	103	0.00	7.75- 7.81
16	MA	Dieldrin	1.184	1.254	-5.9	106	0.00	8.08- 8.14
17	MA	Endrin	0.853	0.884	-3.6	105	0.00	8.62- 8.68
18	A	4,4'-DDD	0.973	0.972	0.1	105	0.00	8.75- 8.81
19	B	Endosulfan II	0.989	1.034	-4.6	105	0.00	8.97- 9.03
20	MA	4,4'-DDT	0.805	0.856	-6.3	104	0.00	9.32- 9.38
21	B	Endrin Aldehyde	0.777	0.831	-6.9	114	0.00	9.56- 9.62
22	B	Endosulfan Sulfate	0.894	0.925	-3.5	105	0.00	10.05-10.11
23	A	Methoxychlor	0.400	0.405	-1.3	102	0.00	10.55-10.61
24		Mirex	0.573	0.591	-3.1	94	0.00	10.99-11.05
25	B	Endrin Ketone	1.222	1.197	2.0	104	0.00	11.01-11.07
26	SA	Decachlorobiphenyl	0.693	0.793	-14.4	111	0.00	13.03-13.09
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	99	0.00	2.29- 3.29
28	L8	Toxaphene{A}			----------NA----------			
29	L8	Toxaphene{B}			----------NA----------			
30	L8	Toxaphene{C}			----------NA----------			
31	L8	Toxaphene{D}			----------NA----------			
32	L8	Toxaphene{E}			----------NA----------			
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	99	0.00	2.29- 3.29
34		Chlordane {A}			----------NA----------			
35		Chlordane {B}			----------NA----------			
36		Chlordane {C}			----------NA----------			
37		Chlordane {D}			----------NA----------			
38		Chlordane {E}			----------NA----------			

(#) = Out of Range SPCC's out = 0 CCC's out = 0
8g60346.d 8PSTLVI2596a.M Thu Sep 19 13:41:45 2024

Initial Calibration Verification

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G8G2596-ICV2596
Lab FileID: 8G60352.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\g8g2596\8g60352.d\ECD1A.ch Vial: 21
Signal #2 : C:\msdchem\1\data\g8g2596\8g60352.d\ECD2B.ch
Acq On : 18 Sep 2024 3:22 pm Operator: rebeccak
Sample : icv2596-50 (chlordane) Inst : GC8G
Misc : op57529,g8g2596,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\methods\8PSTLVI2596a.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Thu Sep 19 07:05:18 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	89	0.00	1.92- 2.92
2	SAB	Tetrachloro-m-xylene	0.965	1.321	-36.9#	120	0.00	2.94- 3.00
3		hexachlorobenzene		----------NA----------				
		---------- True	Calc.	% Drift	----------			
4	A	alpha-BHC		----------NA----------				
		---------- AvgRF	CCRF	% Dev	----------			
5	MA	gamma-BHC		----------NA----------				
6	MA	Heptachlor		----------NA----------				
7	B	beta-BHC		----------NA----------				
8	B	delta-BHC		----------NA----------				
9	MB	Aldrin		----------NA----------				
10		alachlor		----------NA----------				
11	B	Heptachlor Epoxide		----------NA----------				
12	B	gamma-Chlordane		----------NA----------				
13	B	alpha-Chlordane		----------NA----------				
14	A	Endosulfan I		----------NA----------				
15	B	4,4'-DDE		----------NA----------				
16	MA	Dieldrin		----------NA----------				
17	MA	Endrin		----------NA----------				
18	A	4,4'-DDD		----------NA----------				
19	B	Endosulfan II		----------NA----------				
20	MA	4,4'-DDT		----------NA----------				
21	B	Endrin Aldehyde		----------NA----------				
22	B	Endosulfan Sulfate		----------NA----------				
23	A	Methoxychlor		----------NA----------				
24		Mirex		----------NA----------				
25	B	Endrin Ketone		----------NA----------				
26	SA	Decachlorobiphenyl	0.928	1.097	-18.2	108	0.00	10.64-10.70
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	89	0.00	1.92- 2.92
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	96	0.00	1.92- 2.92
34		Chlordane {A}	0.077	0.080	-3.9	99	0.00	4.22- 4.42
35		Chlordane {B}	0.047	0.052	-10.6	107	0.00	4.75- 4.95

Initial Calibration Verification

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G8G2596-ICV2596
Lab FileID: 8G60352.D

36		Chlordane {C}	0.166	0.184	-10.8	106	0.00	5.54- 5.74
37		Chlordane {D}	0.254	0.283	-11.4	106	-0.01	5.71- 5.91
38		Chlordane {E}	0.036	0.040	-11.1	105	0.00	6.86- 7.06
*****		Signal #2 *****						
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	97	0.00	2.29- 3.29
2	SAB	Tetrachloro-m-xylene	1.225	1.312	-7.1	106	0.00	3.65- 3.71
3		hexachlorobenzene	----------NA----------					
4	A	alpha-BHC	----------NA----------					
5	MA	gamma-BHC	----------NA----------					
6	MA	Heptachlor	----------NA----------					
7	B	beta-BHC	----------NA----------					
8	B	delta-BHC	----------NA----------					
9	MB	Aldrin	----------NA----------					
10		alachlor	----------NA----------					
11	B	Heptachlor Epoxide	----------NA----------					
12	B	gamma-Chlordane	----------NA----------					
13	B	alpha-Chlordane	----------NA----------					
14	A	Endosulfan I	----------NA----------					
15	B	4,4'-DDE	----------NA----------					
16	MA	Dieldrin	----------NA----------					
17	MA	Endrin	----------NA----------					
18	A	4,4'-DDD	----------NA----------					
19	B	Endosulfan II	----------NA----------					
20	MA	4,4'-DDT	----------NA----------					
21	B	Endrin Aldehyde	----------NA----------					
22	B	Endosulfan Sulfate	----------NA----------					
23	A	Methoxychlor	----------NA----------					
24		Mirex	----------NA----------					
25	B	Endrin Ketone	----------NA----------					
26	SA	Decachlorobiphenyl	0.693	0.766	-10.5	106	0.00	13.03-13.09
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	97	0.00	2.29- 3.29
28	L8	Toxaphene{A}	----------NA----------					
29	L8	Toxaphene{B}	----------NA----------					
30	L8	Toxaphene{C}	----------NA----------					
31	L8	Toxaphene{D}	----------NA----------					
32	L8	Toxaphene{E}	----------NA----------					
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	99	0.00	2.29- 3.29
34		Chlordane {A}	0.068	0.070	-2.9	101	0.00	5.48- 5.68
35		Chlordane {B}	0.040	0.044	-10.0	109	0.00	6.19- 6.39
36		Chlordane {C}	0.139	0.151	-8.6	107	0.00	7.19- 7.39
37		Chlordane {D}	0.229	0.236	-3.1	102	0.00	7.43- 7.63
38		Chlordane {E}	0.033	0.037	-12.1	114	0.00	9.00- 9.20

(#) = Out of Range SPCC's out = 0 CCC's out = 0
8g60351.d 8PSTLVI2596a.M Thu Sep 19 07:06:22 2024

Initial Calibration Verification

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G8G2596-ICV2596
Lab FileID: 8G60354.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\g8g2596\8g60354.d\ECD1A.ch Vial: 23
Signal #2 : C:\msdchem\1\data\g8g2596\8g60354.d\ECD2B.ch
Acq On : 18 Sep 2024 4:08 pm Operator: rebeccak
Sample : icv2596-50 (toxaphene) Inst : GC8G
Misc : op57529,g8g2596,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\methods\8PSTLVI2596a.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Thu Sep 19 13:29:34 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	96	0.00	1.92- 2.92
2	SAB	Tetrachloro-m-xylene	0.965	1.109	-14.9	109	0.00	2.94- 3.00
3		hexachlorobenzene		----------NA----------				
		---------- True	Calc.	% Drift	----------			
4	A	alpha-BHC		----------NA----------				
		---------- AvgRF	CCRF	% Dev	----------			
5	MA	gamma-BHC		----------NA----------				
6	MA	Heptachlor		----------NA----------				
7	B	beta-BHC		----------NA----------				
8	B	delta-BHC		----------NA----------				
9	MB	Aldrin		----------NA----------				
10		alachlor		----------NA----------				
11	B	Heptachlor Epoxide		----------NA----------				
12	B	gamma-Chlordane		----------NA----------				
13	B	alpha-Chlordane		----------NA----------				
14	A	Endosulfan I		----------NA----------				
15	B	4,4'-DDE		----------NA----------				
16	MA	Dieldrin		----------NA----------				
17	MA	Endrin		----------NA----------				
18	A	4,4'-DDD		----------NA----------				
19	B	Endosulfan II		----------NA----------				
20	MA	4,4'-DDT		----------NA----------				
21	B	Endrin Aldehyde		----------NA----------				
22	B	Endosulfan Sulfate		----------NA----------				
23	A	Methoxychlor		----------NA----------				
24		Mirex		----------NA----------				
25	B	Endrin Ketone		----------NA----------				
26	SA	Decachlorobiphenyl	0.928	0.917	1.2	97	0.00	10.64-10.70
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	112	0.00	1.92- 2.92
28	L8	Toxaphene{A}	0.014	0.021	-50.0#	162#	0.01	6.68- 6.88
29	L8	Toxaphene{B}	0.014	0.017	-21.4#	141	0.00	7.48- 7.68
30	L8	Toxaphene{C}	0.037	0.030	18.9	88	0.00	7.59- 7.79
31	L8	Toxaphene{D}	0.024	0.021	12.5	96	0.00	8.01- 8.21
32	L8	Toxaphene{E}	0.035	0.025	28.6#	78	0.00	8.17- 8.37
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	103	0.00	1.92- 2.92
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				

Initial Calibration Verification

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G8G2596-ICV2596
Lab FileID: 8G60354.D

36		Chlordane {C}			----------NA----------			
37		Chlordane {D}			----------NA----------			
38		Chlordane {E}			----------NA----------			
*****		Signal #2 *****						
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	99	0.00	2.29- 3.29
2	SAB	Tetrachloro-m-xylene	1.225	1.319	-7.7	109	0.00	3.65- 3.71
3		hexachlorobenzene			----------NA----------			
4	A	alpha-BHC			----------NA----------			
5	MA	gamma-BHC			----------NA----------			
6	MA	Heptachlor			----------NA----------			
7	B	beta-BHC			----------NA----------			
8	B	delta-BHC			----------NA----------			
9	MB	Aldrin			----------NA----------			
10		alachlor			----------NA----------			
11	B	Heptachlor Epoxide			----------NA----------			
12	B	gamma-Chlordane			----------NA----------			
13	B	alpha-Chlordane			----------NA----------			
14	A	Endosulfan I			----------NA----------			
15	B	4,4'-DDE			----------NA----------			
16	MA	Dieldrin			----------NA----------			
17	MA	Endrin			----------NA----------			
18	A	4,4'-DDD			----------NA----------			
19	B	Endosulfan II			----------NA----------			
20	MA	4,4'-DDT			----------NA----------			
21	B	Endrin Aldehyde			----------NA----------			
22	B	Endosulfan Sulfate			----------NA----------			
23	A	Methoxychlor			----------NA----------			
24		Mirex			----------NA----------			
25	B	Endrin Ketone			----------NA----------			
26	SA	Decachlorobiphenyl	0.693	0.769	-11.0	109	0.00	13.03-13.09
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	110	0.00	2.29- 3.29
28	L8	Toxaphene{A}	0.011	0.015	-36.4#	143	0.00	7.96- 8.16
29	L8	Toxaphene{B}	0.007	0.008	-14.3	117	0.00	8.15- 8.35
30	L8	Toxaphene{C}	0.019	0.022	-15.8	128	0.00	9.04- 9.24
31	L8	Toxaphene{D}	0.009	0.008	11.1	95	0.00	9.19- 9.39
32	L8	Toxaphene{E}	0.027	0.023	14.8	94	0.00	10.42-10.62
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	101	0.00	2.29- 3.29
34		Chlordane {A}			----------NA----------			
35		Chlordane {B}			----------NA----------			
36		Chlordane {C}			----------NA----------			
37		Chlordane {D}			----------NA----------			
38		Chlordane {E}			----------NA----------			

(#) = Out of Range SPCC's out = 0 CCC's out = 0
8g60353.d 8PSTLVI2596a.M Thu Sep 19 13:35:02 2024

Continuing Calibration Summary

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G8G2700-CC2596
Lab FileID: 8G62764.D

Evaluate Continuing Calibration Report

Signal #1 : X:\Dayton SVOA GC\8....00\8g62764.d\ECD1A.ch Vial: 4
Signal #2 : X:\Dayton SVOA GC\8. GC ...8g2700\8g62764.d\ECD2B.ch
Acq On : 3 Dec 2024 1:07 am Operator: christp
Sample : cc2596-5 Inst : GC8G
Misc : op59749,g8g2700,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : X:\Dayton SVOA G...0\8PSTLVI2596a.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Mon Dec 02 07:28:52 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	117	0.00	1.90- 2.90
2	SAB	Tetrachloro-m-xylene	0.965	1.026	-6.3	122	-0.01	2.92- 2.98
3		hexachlorobenzene	1.520	1.658	-9.1	129	-0.01	3.26- 3.32
			True	Calc.	% Drift			
4	A	alpha-BHC	5.000	5.401	-8.0	127	-0.01	3.41- 3.47
			AvgRF	CCRF	% Dev			
5	MA	gamma-BHC	1.262	1.485	-17.7	126	-0.01	3.73- 3.79
6	MA	Heptachlor	1.301	1.520	-16.8	133	-0.01	4.26- 4.32
7	B	beta-BHC	0.596	0.644	-8.1	128	-0.01	3.81- 3.87
8	B	delta-BHC	1.267	1.502	-18.5	126	-0.01	4.01- 4.07
9	MB	Aldrin	1.150	1.367	-18.9	130	-0.01	4.62- 4.68
10		alachlor	0.172	0.183	-6.4	131	-0.01	4.76- 4.82
11	B	Heptachlor Epoxide	1.134	1.298	-14.5	131	-0.01	5.39- 5.45
12	B	gamma-Chlordane	1.209	1.349	-11.6	132	-0.01	5.56- 5.62
13	B	alpha-Chlordane	1.126	1.348	-19.7	134	-0.01	5.74- 5.80
14	A	Endosulfan I	1.052	1.246	-18.4	136	-0.01	5.94- 6.00
15	B	4,4'-DDE	1.152	1.423	-23.5#	138	-0.01	5.85- 5.91
16	MA	Dieldrin	1.146	1.332	-16.2	132	-0.01	6.28- 6.34
17	MA	Endrin	0.903	1.277	-41.4#	159#	-0.01	6.63- 6.69
18	A	4,4'-DDD	0.965	1.145	-18.7	138	-0.01	6.74- 6.80
19	B	Endosulfan II	1.008	1.172	-16.3	134	-0.01	6.97- 7.03
20	MA	4,4'-DDT	0.974	1.198	-23.0#	137	-0.01	7.17- 7.23
21	B	Endrin Aldehyde	0.828	0.889	-7.4	132	-0.01	7.63- 7.69
22	B	Endosulfan Sulfate	0.937	1.054	-12.5	133	-0.01	8.35- 8.41
23	A	Methoxychlor	0.566	0.641	-13.3	139	-0.01	7.97- 8.03
24		Mirex	0.859	0.984	-14.6	142	-0.01	8.17- 8.23
25	B	Endrin Ketone	1.187	1.312	-10.5	133	-0.01	8.80- 8.86
26	SA	Decachlorobiphenyl	0.928	1.062	-14.4	136	-0.01	10.59-10.65
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	136	0.00	1.90- 2.90
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	125	0.00	1.90- 2.90
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				

Continuing Calibration Summary

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G8G2700-CC2596
Lab FileID: 8G62764.D

36		Chlordane {C}			----------NA----------			
37		Chlordane {D}			----------NA----------			
38		Chlordane {E}			----------NA----------			
*****		Signal #2 *****						
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	108	-0.01	2.27- 3.27
2	SAB	Tetrachloro-m-xylene	1.225	1.169	4.6	105	-0.01	3.62- 3.68
3		hexachlorobenzene	1.304	1.202	7.8	109	-0.01	4.20- 4.26
4	A	alpha-BHC	1.522	1.474	3.2	103	-0.01	4.36- 4.42
5	MA	gamma-BHC	1.346	1.328	1.3	108	-0.01	4.84- 4.90
6	MA	Heptachlor	1.189	1.187	0.2	110	-0.01	5.50- 5.56
7	B	beta-BHC	0.687	0.654	4.8	114	-0.01	4.93- 4.99
8	B	delta-BHC	1.304	1.309	-0.4	108	-0.01	5.37- 5.43
9	MB	Aldrin	1.231	1.250	-1.5	110	-0.01	6.01- 6.07
10		alachlor	0.184	0.170	7.6	109	-0.01	5.75- 5.81
11	B	Heptachlor Epoxide	1.163	1.188	-2.1	112	-0.01	6.89- 6.95
12	B	gamma-Chlordane	1.150	1.218	-5.9	114	-0.01	7.20- 7.26
13	B	alpha-Chlordane	1.142	1.191	-4.3	114	-0.01	7.44- 7.50
14	A	Endosulfan I	1.047	1.087	-3.8	113	-0.01	7.55- 7.61
15	B	4,4'-DDE	1.107	1.235	-11.6	121	-0.01	7.69- 7.75
16	MA	Dieldrin	1.184	1.228	-3.7	112	-0.01	8.01- 8.07
17	MA	Endrin	0.853	1.016	-19.1	129	-0.01	8.55- 8.61
18	A	4,4'-DDD	0.973	1.008	-3.6	118	-0.01	8.69- 8.75
19	B	Endosulfan II	0.989	0.970	1.9	106	-0.01	8.91- 8.97
20	MA	4,4'-DDT	0.805	0.859	-6.7	111	-0.01	9.25- 9.31
21	B	Endrin Aldehyde	0.777	0.738	5.0	111	-0.01	9.49- 9.55
22	B	Endosulfan Sulfate	0.894	0.832	6.9	102	-0.01	9.98-10.04
23	A	Methoxychlor	0.400	0.406	-1.5	112	-0.01	10.48-10.54
24		Mirex	0.573	0.574	-0.2	92	-0.01	10.91-10.97
25	B	Endrin Ketone	1.222	1.087	11.0	101	-0.01	10.94-11.00
26	SA	Decachlorobiphenyl	0.693	0.635	8.4	98	-0.01	12.97-13.03
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	119	-0.01	2.27- 3.27
28	L8	Toxaphene{A}			----------NA----------			
29	L8	Toxaphene{B}			----------NA----------			
30	L8	Toxaphene{C}			----------NA----------			
31	L8	Toxaphene{D}			----------NA----------			
32	L8	Toxaphene{E}			----------NA----------			
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	110	-0.01	2.27- 3.27
34		Chlordane {A}			----------NA----------			
35		Chlordane {B}			----------NA----------			
36		Chlordane {C}			----------NA----------			
37		Chlordane {D}			----------NA----------			
38		Chlordane {E}			----------NA----------			

(#) = Out of Range SPCC's out = 0 CCC's out = 0
8g62730.d 8PSTLVI2596a.M Tue Dec 03 12:55:50 2024

Continuing Calibration Summary

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G8G2702-CC2596
Lab FileID: 8G62795A.D

Evaluate Continuing Calibration Report

Signal #1 : X:\Dayton SVOA GC\8....2\8g62795a.d\ECD1A.ch Vial: 4
Signal #2 : X:\Dayton SVOA GC\8. GC ...g2702\8g62795a.d\ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm Operator: kyrac
Sample : cc2596-5 Inst : GC8G
Misc : op59740,g8g2702,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : X:\Dayton SVOA G...2\8PSTLVI2596a.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Mon Dec 02 07:28:52 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	113	0.00	1.91- 2.91
2	SAB	Tetrachloro-m-xylene	0.965	1.058	-9.6	122	0.00	2.93- 2.99
3		hexachlorobenzene	1.520	1.735	-14.1	131	0.00	3.27- 3.33
			True	Calc.	% Drift			
4	A	alpha-BHC	5.000	5.581	-11.6	128	0.00	3.42- 3.48
			AvgRF	CCRF	% Dev			
5	MA	gamma-BHC	1.262	1.548	-22.7#	127	0.00	3.73- 3.79
6	MA	Heptachlor	1.301	1.549	-19.1	132	0.00	4.26- 4.32
7	B	beta-BHC	0.596	0.680	-14.1	131	0.00	3.81- 3.87
8	B	delta-BHC	1.267	1.611	-27.2#	131	0.00	4.01- 4.07
9	MB	Aldrin	1.150	1.389	-20.8#	128	0.00	4.62- 4.68
10		alachlor	0.172	0.182	-5.8	126	0.00	4.77- 4.83
11	B	Heptachlor Epoxide	1.134	1.309	-15.4	128	0.00	5.39- 5.45
12	B	gamma-Chlordane	1.209	1.360	-12.5	129	0.00	5.57- 5.63
13	B	alpha-Chlordane	1.126	1.354	-20.2#	131	0.00	5.75- 5.81
14	A	Endosulfan I	1.052	1.248	-18.6	132	0.00	5.95- 6.01
15	B	4,4'-DDE	1.152	1.409	-22.3#	132	0.00	5.85- 5.91
16	MA	Dieldrin	1.146	1.358	-18.5	130	0.00	6.29- 6.35
17	MA	Endrin	0.903	1.234	-36.7#	149	0.00	6.63- 6.69
18	A	4,4'-DDD	0.965	1.116	-15.6	130	0.00	6.74- 6.80
19	B	Endosulfan II	1.008	1.163	-15.4	128	0.00	6.97- 7.03
20	MA	4,4'-DDT	0.974	1.130	-16.0	125	-0.01	7.18- 7.24
21	B	Endrin Aldehyde	0.828	0.895	-8.1	129	0.00	7.63- 7.69
22	B	Endosulfan Sulfate	0.937	1.044	-11.4	127	-0.01	8.35- 8.41
23	A	Methoxychlor	0.566	0.586	-3.5	123	0.00	7.97- 8.03
24		Mirex	0.859	0.927	-7.9	130	-0.01	8.17- 8.23
25	B	Endrin Ketone	1.187	1.254	-5.6	123	-0.01	8.81- 8.87
26	SA	Decachlorobiphenyl	0.928	0.991	-6.8	123	-0.01	10.59-10.65
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	132	0.00	1.91- 2.91
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	123	0.00	1.91- 2.91
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				

Continuing Calibration Summary

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G8G2702-CC2596
Lab FileID: 8G62795A.D

36		Chlordane {C}			----------NA----------				
37		Chlordane {D}			----------NA----------				
38		Chlordane {E}			----------NA----------				
*****		Signal #2 *****							
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	109	0.00	2.28- 3.28	
2	SAB	Tetrachloro-m-xylene	1.225	1.187	3.1	107	0.00	3.63- 3.69	
3		hexachlorobenzene	1.304	1.230	5.7	112	0.00	4.20- 4.26	
4	A	alpha-BHC	1.522	1.592	-4.6	112	0.00	4.36- 4.42	
5	MA	gamma-BHC	1.346	1.385	-2.9	113	0.00	4.84- 4.90	
6	MA	Heptachlor	1.189	1.209	-1.7	113	0.00	5.50- 5.56	
7	B	beta-BHC	0.687	0.681	0.9	119	0.00	4.93- 4.99	
8	B	delta-BHC	1.304	1.389	-6.5	116	0.00	5.38- 5.44	
9	MB	Aldrin	1.231	1.248	-1.4	111	0.00	6.01- 6.07	
10		alachlor	0.184	0.167	9.2	108	0.00	5.75- 5.81	
11	B	Heptachlor Epoxide	1.163	1.177	-1.2	112	0.00	6.90- 6.96	
12	B	gamma-Chlordane	1.150	1.192	-3.7	113	0.00	7.20- 7.26	
13	B	alpha-Chlordane	1.142	1.167	-2.2	112	0.00	7.44- 7.50	
14	A	Endosulfan I	1.047	1.067	-1.9	111	0.00	7.56- 7.62	
15	B	4,4'-DDE	1.107	1.197	-8.1	118	0.00	7.70- 7.76	
16	MA	Dieldrin	1.184	1.199	-1.3	110	-0.01	8.01- 8.07	
17	MA	Endrin	0.853	0.958	-12.3	122	0.00	8.55- 8.61	
18	A	4,4'-DDD	0.973	0.961	1.2	113	0.00	8.69- 8.75	
19	B	Endosulfan II	0.989	0.948	4.1	104	0.00	8.91- 8.97	
20	MA	4,4'-DDT	0.805	0.821	-2.0	107	0.00	9.25- 9.31	
21	B	Endrin Aldehyde	0.777	0.709	8.8	108	0.00	9.50- 9.56	
22	B	Endosulfan Sulfate	0.894	0.830	7.2	102	0.00	9.98-10.04	
23	A	Methoxychlor	0.400	0.375	6.3	104	0.00	10.48-10.54	
24		Mirex	0.573	0.580	-1.2	93	0.00	10.91-10.97	
25	B	Endrin Ketone	1.222	1.000	18.2	93	0.00	10.94-11.00	
26	SA	Decachlorobiphenyl	0.693	0.584	15.7	90	0.00	12.97-13.03	
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	120	0.00	2.28- 3.28	
28	L8	Toxaphene{A}			----------NA----------				
29	L8	Toxaphene{B}			----------NA----------				
30	L8	Toxaphene{C}			----------NA----------				
31	L8	Toxaphene{D}			----------NA----------				
32	L8	Toxaphene{E}			----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	111	0.00	2.28- 3.28	
34		Chlordane {A}			----------NA----------				
35		Chlordane {B}			----------NA----------				
36		Chlordane {C}			----------NA----------				
37		Chlordane {D}			----------NA----------				
38		Chlordane {E}			----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
8g62730.d 8PSTLVI2596a.M Wed Dec 04 18:44:30 2024

Continuing Calibration Summary

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G8G2704-CC2596
Lab FileID: 8G62845A.D

Evaluate Continuing Calibration Report

Signal #1 : X:\Dayton SVOA GC\8....4\8g62845a.d\ECD1A.ch Vial: 4
Signal #2 : X:\Dayton SVOA GC\8. GC ...g2704\8g62845a.d\ECD2B.ch
Acq On : 4 Dec 2024 3:22 pm Operator: kyrac
Sample : cc2596-5 Inst : GC8G
Misc : op59827,g8g2704,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : X:\Dayton SVOA G...4\8PSTLVI2596a.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Thu Dec 05 02:18:49 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	115	0.00	1.92- 2.92
2	SAB	Tetrachloro-m-xylene	0.965	1.008	-4.5	118	0.00	2.93- 2.99
3		hexachlorobenzene	1.520	1.644	-8.2	126	0.00	3.27- 3.33
		----------	True	Calc.	% Drift	----------		
4	A	alpha-BHC	5.000	5.359	-7.2	123	0.00	3.42- 3.48
		----------	AvgRF	CCRF	% Dev	----------		
5	MA	gamma-BHC	1.262	1.481	-17.4	123	0.00	3.73- 3.79
6	MA	Heptachlor	1.301	1.482	-13.9	128	0.00	4.26- 4.32
7	B	beta-BHC	0.596	0.641	-7.6	125	0.00	3.81- 3.87
8	B	delta-BHC	1.267	1.511	-19.3	124	0.00	4.01- 4.07
9	MB	Aldrin	1.150	1.324	-15.1	124	0.00	4.62- 4.68
10		alachlor	0.172	0.174	-1.2	122	0.00	4.77- 4.83
11	B	Heptachlor Epoxide	1.134	1.249	-10.1	124	0.00	5.39- 5.45
12	B	gamma-Chlordane	1.209	1.294	-7.0	124	0.00	5.56- 5.62
13	B	alpha-Chlordane	1.126	1.284	-14.0	126	0.00	5.75- 5.81
14	A	Endosulfan I	1.052	1.180	-12.2	126	0.00	5.94- 6.00
15	B	4,4'-DDE	1.152	1.332	-15.6	127	0.00	5.85- 5.91
16	MA	Dieldrin	1.146	1.283	-12.0	124	0.00	6.28- 6.34
17	MA	Endrin	0.903	1.163	-28.8#	142	0.00	6.63- 6.69
18	A	4,4'-DDD	0.965	1.054	-9.2	124	0.00	6.74- 6.80
19	B	Endosulfan II	1.008	1.081	-7.2	121	0.00	6.97- 7.03
20	MA	4,4'-DDT	0.974	1.065	-9.3	120	0.00	7.17- 7.23
21	B	Endrin Aldehyde	0.828	0.803	3.0	117	0.00	7.63- 7.69
22	B	Endosulfan Sulfate	0.937	0.953	-1.7	118	0.00	8.35- 8.41
23	A	Methoxychlor	0.566	0.543	4.1	116	0.00	7.97- 8.03
24		Mirex	0.859	0.863	-0.5	123	0.00	8.17- 8.23
25	B	Endrin Ketone	1.187	1.159	2.4	115	0.00	8.80- 8.86
26	SA	Decachlorobiphenyl	0.928	0.857	7.7	108	0.00	10.59-10.65
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	134	0.00	1.92- 2.92
28	L8	Toxaphene{A}	----------NA----------					
29	L8	Toxaphene{B}	----------NA----------					
30	L8	Toxaphene{C}	----------NA----------					
31	L8	Toxaphene{D}	----------NA----------					
32	L8	Toxaphene{E}	----------NA----------					
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	123	0.00	1.92- 2.92
34		Chlordane {A}	----------NA----------					
35		Chlordane {B}	----------NA----------					

Continuing Calibration Summary

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G8G2704-CC2596
Lab FileID: 8G62845A.D

36		Chlordane {C}			----------NA----------			
37		Chlordane {D}			----------NA----------			
38		Chlordane {E}			----------NA----------			
*****		Signal #2 *****						
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	116	0.00	2.28- 3.28
2	SAB	Tetrachloro-m-xylene	1.225	1.142	6.8	110	0.00	3.63- 3.69
3		hexachlorobenzene	1.304	1.175	9.9	114	0.00	4.20- 4.26
4	A	alpha-BHC	1.522	1.525	-0.2	114	0.00	4.36- 4.42
5	MA	gamma-BHC	1.346	1.323	1.7	115	0.00	4.84- 4.90
6	MA	Heptachlor	1.189	1.121	5.7	112	0.00	5.50- 5.56
7	B	beta-BHC	0.687	0.635	7.6	118	0.00	4.93- 4.99
8	B	delta-BHC	1.304	1.316	-0.9	117	0.00	5.37- 5.43
9	MB	Aldrin	1.231	1.183	3.9	112	0.00	6.01- 6.07
10		alachlor	0.184	0.159	13.6	109	0.00	5.75- 5.81
11	B	Heptachlor Epoxide	1.163	1.110	4.6	113	0.00	6.89- 6.95
12	B	gamma-Chlordane	1.150	1.123	2.3	113	0.00	7.20- 7.26
13	B	alpha-Chlordane	1.142	1.097	3.9	113	0.00	7.44- 7.50
14	A	Endosulfan I	1.047	1.007	3.8	112	0.00	7.55- 7.61
15	B	4,4'-DDE	1.107	1.135	-2.5	119	0.00	7.69- 7.75
16	MA	Dieldrin	1.184	1.123	5.2	110	0.00	8.01- 8.07
17	MA	Endrin	0.853	0.889	-4.2	121	0.00	8.55- 8.61
18	A	4,4'-DDD	0.973	0.898	7.7	113	0.00	8.69- 8.75
19	B	Endosulfan II	0.989	0.867	12.3	102	0.00	8.91- 8.97
20	MA	4,4'-DDT	0.805	0.735	8.7	102	0.00	9.25- 9.31
21	B	Endrin Aldehyde	0.777	0.636	18.1	103	0.00	9.49- 9.55
22	B	Endosulfan Sulfate	0.894	0.722	19.2	95	0.00	9.98-10.04
23	A	Methoxychlor	0.400	0.329	17.8	97	0.00	10.48-10.54
24		Mirex	0.573	0.476	16.9	81	0.00	10.91-10.97
25	B	Endrin Ketone	1.222	0.837	31.5#	83	0.00	10.94-11.00
26	SA	Decachlorobiphenyl	0.693	0.481	30.6#	79	0.00	12.97-13.03
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	128	0.00	2.28- 3.28
28	L8	Toxaphene{A}			----------NA----------			
29	L8	Toxaphene{B}			----------NA----------			
30	L8	Toxaphene{C}			----------NA----------			
31	L8	Toxaphene{D}			----------NA----------			
32	L8	Toxaphene{E}			----------NA----------			
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	118	0.00	2.28- 3.28
34		Chlordane {A}			----------NA----------			
35		Chlordane {B}			----------NA----------			
36		Chlordane {C}			----------NA----------			
37		Chlordane {D}			----------NA----------			
38		Chlordane {E}			----------NA----------			

(#) = Out of Range SPCC's out = 0 CCC's out = 0
8g62730.d 8PSTLVI2596a.M Thu Dec 05 05:54:04 2024

Run Sequence Report

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: G6G3879 **Method:** SW846 8081B **Instrument ID:** GC6G

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G6G3879-DDT	6G103139.D	12/06/24 11:12	n/a	DDT/Endrin Breakdown Check
G6G3879-IC3879	6G103142.D	12/06/24 12:15	n/a	Initial cal 0.1
G6G3879-IC3879	6G103143.D	12/06/24 12:36	n/a	Initial cal 0.2
G6G3879-IC3879	6G103144.D	12/06/24 12:56	n/a	Initial cal 0.5
G6G3879-IC3879	6G103145.D	12/06/24 13:17	n/a	Initial cal 1
G6G3879-ICC3879	6G103146.D	12/06/24 13:38	n/a	Initial cal 2.5
G6G3879-IC3879	6G103148.D	12/06/24 14:20	n/a	Initial cal 5
G6G3879-IC3879	6G103149.D	12/06/24 14:40	n/a	Initial cal 7.5
G6G3879-IC3879	6G103150.D	12/06/24 15:01	n/a	Initial cal 10
G6G3879-IC3879	6G103151.D	12/06/24 15:22	n/a	Initial cal 50
G6G3879-IC3879	6G103152.D	12/06/24 15:43	n/a	Initial cal 50
G6G3879-ICV3879	6G103154.D	12/06/24 16:25	n/a	Initial cal verification 50
G6G3879-ICV3879	6G103155.D	12/06/24 16:45	n/a	Initial cal verification 50
G6G3879-DDT	6G103158.D	12/07/24 05:24	n/a	DDT/Endrin Breakdown Check
G6G3879-ICV3879	6G103161.D	12/07/24 06:39	n/a	Initial cal verification 2.5

Run Sequence Report

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: G6G3881 **Method:** SW846 8081B **Instrument ID:** GC6G

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G6G3881-DDT	6G103195.D	12/09/24 18:02	n/a	DDT/Endrin Breakdown Check
G6G3881-CC3879	6G103196.D	12/09/24 18:23	n/a	Continuing cal 5
OP59859-MB1	6G103198.D	12/09/24 19:05	OP59859	Method Blank
OP59859-BS1	6G103199.D	12/09/24 19:26	OP59859	Blank Spike
JE1296-1R	6G103200.D	12/09/24 19:47	OP59833	GRID-26R
ZZZZZZ	6G103201.D	12/09/24 20:08	OP59629	(unrelated sample)
ZZZZZZ	6G103202.D	12/09/24 20:29	OP59629	(unrelated sample)
ZZZZZZ	6G103204.D	12/09/24 21:11	OP59742	(unrelated sample)
ZZZZZZ	6G103205.D	12/09/24 21:32	OP59854	(unrelated sample)
ZZZZZZ	6G103206.D	12/09/24 21:53	OP59854	(unrelated sample)
ZZZZZZ	6G103207.D	12/09/24 22:14	OP59854	(unrelated sample)

Run Sequence Report

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: G6G3882 **Method:** SW846 8081B **Instrument ID:** GC6G

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G6G3882-DDT	6G103212.D	12/10/24 01:56	n/a	DDT/Endrin Breakdown Check
G6G3882-CC3879	6G103213.D	12/10/24 02:17	n/a	Continuing cal 2.5
OP59856-MB1	6G103215.D	12/10/24 10:36	OP59856	Method Blank
OP59856-BS1	6G103216.D	12/10/24 10:57	OP59856	Blank Spike
OP59856-BSD	6G103217.D	12/10/24 11:18	OP59856	Blank Spike Duplicate
JE1639-1	6G103220.D	12/10/24 12:21	OP59856	(used for QC only; not part of job JE1296R)
OP59856-MS	6G103221.D	12/10/24 12:42	OP59856	Matrix Spike
OP59856-MSD	6G103222.D	12/10/24 13:03	OP59856	Matrix Spike Duplicate
ZZZZZZ	6G103223.D	12/10/24 13:24	OP59856	(unrelated sample)
ZZZZZZ	6G103224.D	12/10/24 13:45	OP59856	(unrelated sample)

Run Sequence Report

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: G8G2596 **Method:** SW846 8081B **Instrument ID:** GC8G

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G8G2596-DDT	8G60340.D	09/18/24 10:50	n/a	DDT/Endrin Breakdown Check
G8G2596-IC2596	8G60342.D	09/18/24 11:35	n/a	Initial cal 0.1
G8G2596-IC2596	8G60343.D	09/18/24 11:58	n/a	Initial cal 0.2
G8G2596-IC2596	8G60344.D	09/18/24 12:21	n/a	Initial cal 0.5
G8G2596-IC2596	8G60345.D	09/18/24 12:43	n/a	Initial cal 1
G8G2596-ICC2596	8G60346.D	09/18/24 13:06	n/a	Initial cal 2.5
G8G2596-IC2596	8G60347.D	09/18/24 13:29	n/a	Initial cal 5
G8G2596-IC2596	8G60348.D	09/18/24 13:51	n/a	Initial cal 7.5
G8G2596-IC2596	8G60349.D	09/18/24 14:14	n/a	Initial cal 10
G8G2596-ICV2596	8G60350.D	09/18/24 14:37	n/a	Initial cal verification 2.5
G8G2596-IC2596	8G60351.D	09/18/24 15:00	n/a	Initial cal 50
G8G2596-ICV2596	8G60352.D	09/18/24 15:22	n/a	Initial cal verification 50
G8G2596-IC2596	8G60353.D	09/18/24 15:45	n/a	Initial cal 50
G8G2596-ICV2596	8G60354.D	09/18/24 16:08	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: G8G2700 **Method:** SW846 8081B **Instrument ID:** GC8G

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G8G2700-DDT	8G62762.D	12/03/24 00:19	n/a	DDT/Endrin Breakdown Check
G8G2700-CC2596	8G62764.D	12/03/24 01:07	n/a	Continuing cal 5
OP59820-MB1	8G62766.D	12/03/24 01:55	OP59820	Method Blank
OP59820-BS1	8G62767.D	12/03/24 02:19	OP59820	Blank Spike
OP59820-BSD	8G62768.D	12/03/24 02:43	OP59820	Blank Spike Duplicate
OP59833-MB1	8G62769.D	12/03/24 03:07	OP59833	Method Blank
OP59833-BS1	8G62770.D	12/03/24 03:31	OP59833	Blank Spike
ZZZZZZ	8G62771.D	12/03/24 03:55	OP59820	(unrelated sample)
OP59833-MS	8G62774.D	12/03/24 05:07	OP59833	Matrix Spike
OP59833-MSD	8G62775.D	12/03/24 05:31	OP59833	Matrix Spike Duplicate
JE1300-9Q	8G62776.D	12/03/24 05:55	OP59833	(used for QC only; not part of job JE1296R)
ZZZZZZ	8G62777.D	12/03/24 06:19	OP59833	(unrelated sample)
ZZZZZZ	8G62778.D	12/03/24 06:43	OP59833	(unrelated sample)
ZZZZZZ	8G62779.D	12/03/24 07:06	OP59833	(unrelated sample)
ZZZZZZ	8G62780.D	12/03/24 07:30	OP59833	(unrelated sample)
ZZZZZZ	8G62781.D	12/03/24 07:53	OP59742	(unrelated sample)
ZZZZZZ	8G62782.D	12/03/24 08:17	OP59740	(unrelated sample)

Run Sequence Report

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: G8G2702	**Method:** SW846 8081B	**Instrument ID:** GC8G

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G8G2702-DDT	8G62793.D	12/03/24 13:36	n/a	DDT/Endrin Breakdown Check
G8G2702-CC2596	8G62795A.D	12/03/24 14:22	n/a	Continuing cal 5
OP59826-MB1	8G62797.D	12/03/24 17:48	OP59826	Method Blank
OP59826-BS1	8G62798.D	12/03/24 18:11	OP59826	Blank Spike
OP59826-MS	8G62799.D	12/03/24 18:35	OP59826	Matrix Spike
OP59826-MSD	8G62800.D	12/03/24 18:59	OP59826	Matrix Spike Duplicate
JE1369-4	8G62801.D	12/03/24 19:23	OP59826	(used for QC only; not part of job JE1296R)
ZZZZZZ	8G62802.D	12/03/24 19:48	OP59826	(unrelated sample)
ZZZZZZ	8G62803.D	12/03/24 20:12	OP59826	(unrelated sample)
ZZZZZZ	8G62804.D	12/03/24 20:36	OP59826	(unrelated sample)
ZZZZZZ	8G62805.D	12/03/24 21:01	OP59826	(unrelated sample)

Run Sequence Report

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: G8G2704 **Method:** SW846 8081B **Instrument ID:** GC8G

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G8G2704-DDT	8G62843.D	12/04/24 14:33	n/a	DDT/Endrin Breakdown Check
G8G2704-CC2596	8G62845A.D	12/04/24 15:22	n/a	Continuing cal 5
OP59852-MB1	8G62847.D	12/04/24 16:11	OP59852	Method Blank
OP59852-BS1	8G62848.D	12/04/24 16:36	OP59852	Blank Spike
OP59852-MS	8G62849.D	12/04/24 17:01	OP59852	Matrix Spike
OP59852-MSD	8G62850.D	12/04/24 17:26	OP59852	Matrix Spike Duplicate
JE1037-1	8G62851.D	12/04/24 17:51	OP59852	(used for QC only; not part of job JE1296R)
ZZZZZZ	8G62852.D	12/04/24 18:16	OP59852	(unrelated sample)
ZZZZZZ	8G62853.D	12/04/24 18:41	OP59852	(unrelated sample)
JE1296-13R	8G62855.D	12/04/24 19:32	OP59852	GRID-28R
JE1296-25R	8G62856.D	12/04/24 19:58	OP59852	GRID-16R
JE1296-37R	8G62857.D	12/04/24 20:23	OP59852	GRID-18R
ZZZZZZ	8G62858.D	12/04/24 20:48	OP59852	(unrelated sample)
ZZZZZZ	8G62861.D	12/04/24 22:30	OP59826	(unrelated sample)
ZZZZZZ	8G62862.D	12/04/24 22:54	OP59833	(unrelated sample)
ZZZZZZ	8G62863.D	12/04/24 23:19	OP59826	(unrelated sample)
ZZZZZZ	8G62864.D	12/04/24 23:45	OP59827	(unrelated sample)
ZZZZZZ	8G62865.D	12/05/24 00:11	OP59827	(unrelated sample)
ZZZZZZ	8G62866.D	12/05/24 00:37	OP59827	(unrelated sample)

GC/LC Semi-volatiles

Raw Data

Manual Integrations APPROVED (compounds with "m" flag)
Syra Marie Pacheco 12/11/24 04:19

Quantitation Report (QT Reviewed)

Data Path : V:\completed\2024\12. December\12-10-2024\G6G3881\
Data File : 6g103200.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09-Dec-24, 19:47:38 (#1); 09-Dec-24, 19:47:39 (#2)
Operator : mahalial
Sample : je1296-1r m
Misc : op59833,g6g3881,5.0,,,10,1
ALS Vial : 0 (Sig #1); 31 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 09:02:01 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\G6G3881\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Tue Dec 10 13:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1) I	1-bromo-2...	4.838	5.240	2907.0E6	5060.4E6	5.000	5.000
27) I	1-bromo-2...	4.838	5.240	2907.0E6	5060.4E6	5.000	5.000
33) I	1-bromo-2...	4.838	5.240	2907.0E6	5060.4E6	5.000	5.000
	System Monitoring Compounds						
2) SAB	Tetrachlo...	5.509	6.179	2337.7E6	3433.8E6	3.780m	3.683
	Spiked Amount 40.000	Range 30 - 150		Recovery =		9.45%#	9.21%#
26) SA	Decachlor...	12.951	14.860	1837.8E6	2184.8E6	3.716	2.309 #
	Spiked Amount 40.000			Recovery =		9.29%	5.77%
	Target Compounds						
13) B	alpha-Chl...	8.238f	9.930	92228355	63147958	0.120m	0.057m#
15) B	4,4'-DDE	8.369	10.188	463.1E6	822.7E6	0.631	0.787m
18) A	4,4'-DDD	9.231f	11.181	25160620	50158482	0.042m	0.059m#
20) MA	4,4'-DDT	9.632	11.729	242.7E6	398.4E6	0.379	0.453m
	Sum Toxaphene			0	0	N.D.	N.D.
Average	Toxaphene					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

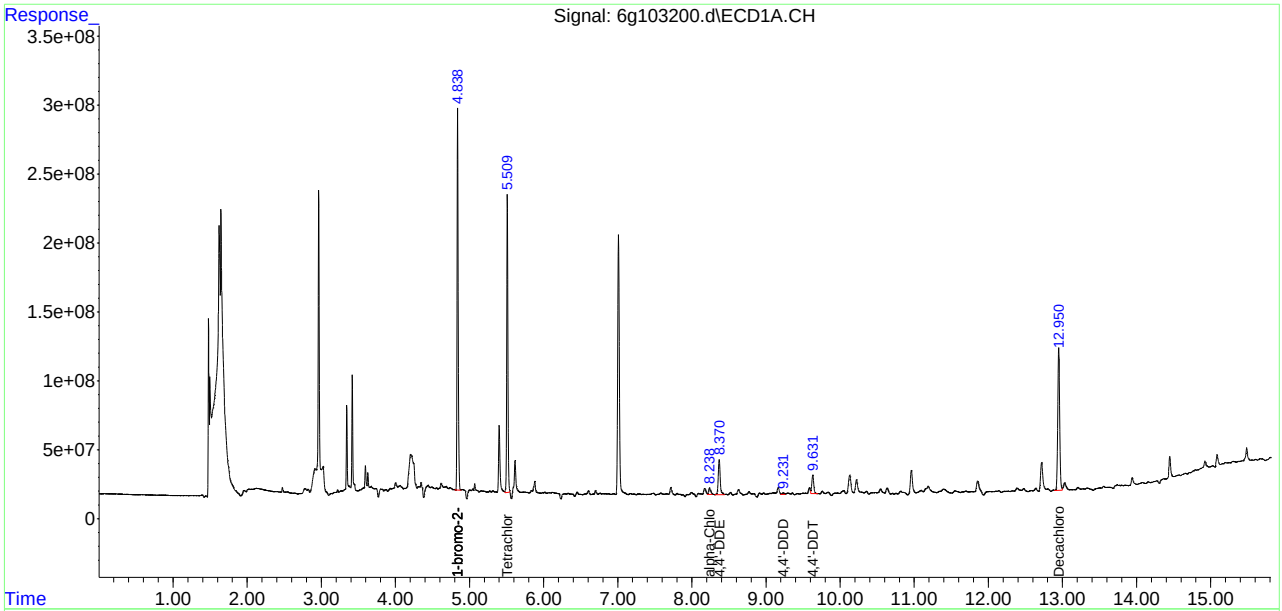
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

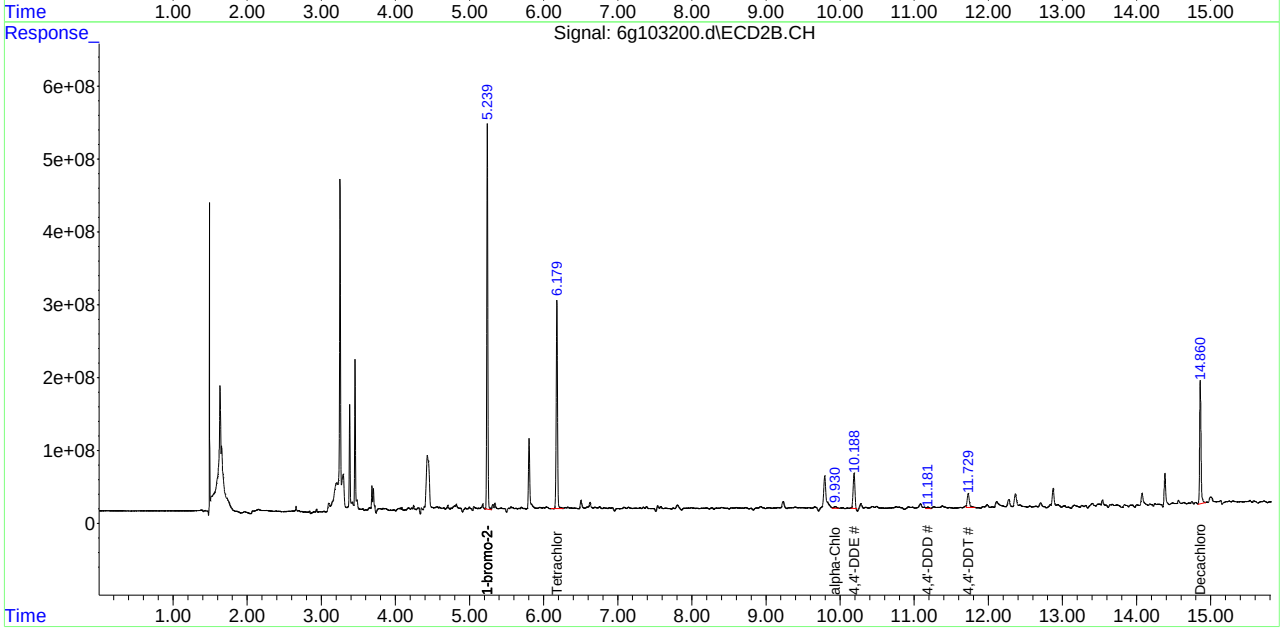
Quantitation Report (QT Reviewed)

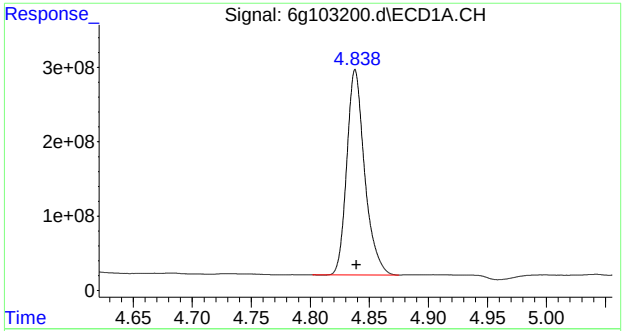
Data Path : V:\completed\2024\12. December\12-10-2024\G6G3881\
Data File : 6g103200.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09-Dec-24, 19:47:38 (#1); 09-Dec-24, 19:47:39 (#2)
Operator : mahalial
Sample : je1296-1r m
Misc : op59833,g6g3881,5.0,,,10,1
ALS Vial : 0 (Sig #1); 31 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 09:02:01 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\G6G3881\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Tue Dec 10 13:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um

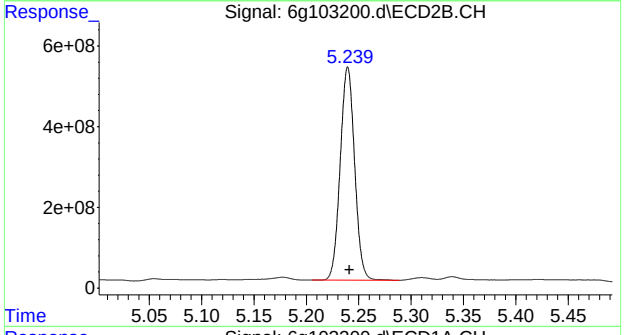






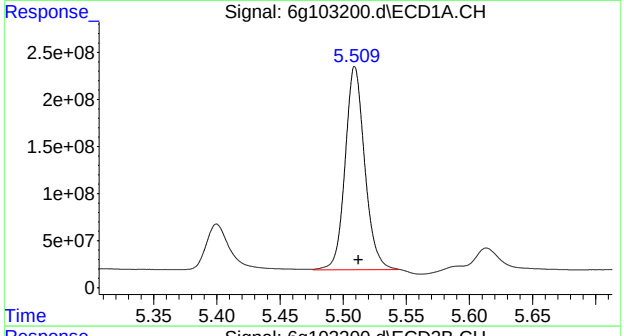
#1 1-bromo-2-nitrobenzene

R.T.: 4.838 min
Delta R.T.: 0.000 min
Response: 2906973846
Conc: 5.00 PPB



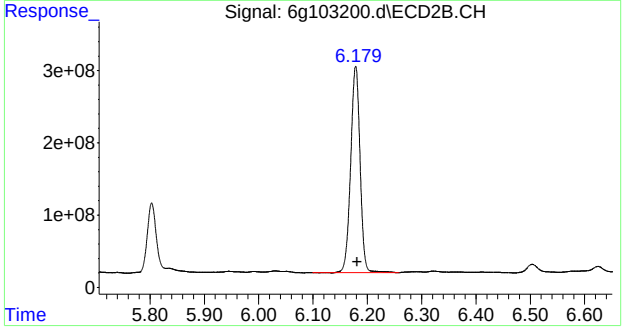
#1 1-bromo-2-nitrobenzene

R.T.: 5.240 min
Delta R.T.: -0.002 min
Response: 5060362819
Conc: 5.00 PPB



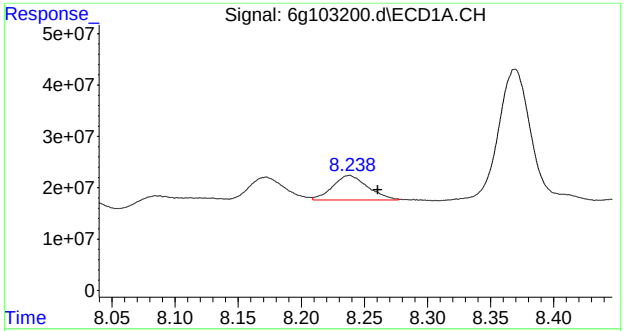
#2 Tetrachloro-m-xylene

R.T.: 5.509 min
Delta R.T.: -0.003 min
Response: 2337651609
Conc: 3.78 PPB m



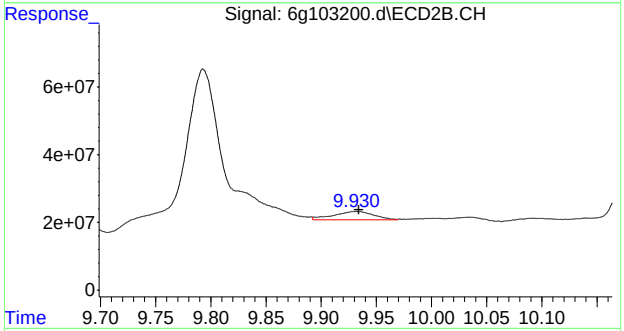
#2 Tetrachloro-m-xylene

R.T.: 6.179 min
Delta R.T.: -0.002 min
Response: 3433780259
Conc: 3.68 PPB



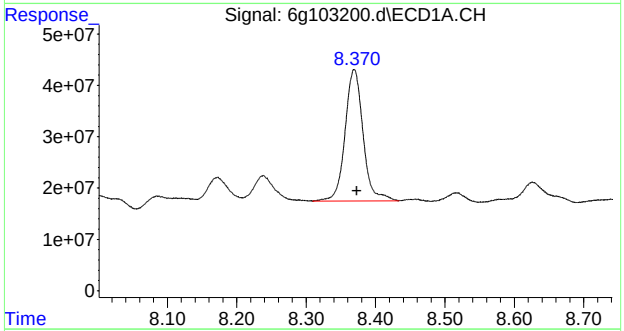
#13 alpha-Chlordane

R.T.: 8.238 min
Delta R.T.: -0.022 min
Response: 92228355
Conc: 0.12 PPB m



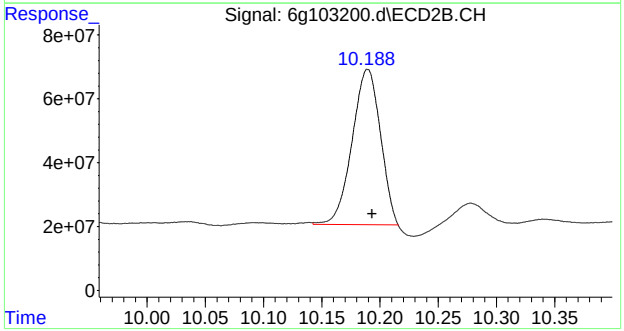
#13 alpha-Chlordane

R.T.: 9.930 min
Delta R.T.: -0.004 min
Response: 63147958
Conc: 0.06 PPB m



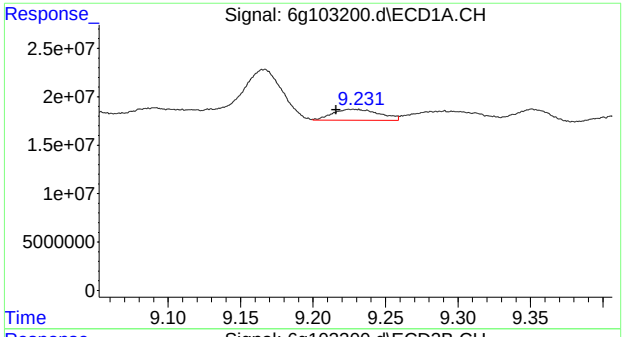
#15 4,4'-DDE

R.T.: 8.369 min
Delta R.T.: -0.003 min
Response: 463054012
Conc: 0.63 PPB



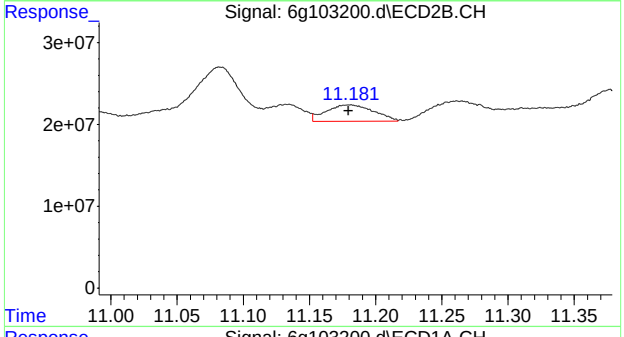
#15 4,4'-DDE

R.T.: 10.188 min
Delta R.T.: -0.005 min
Response: 822666750
Conc: 0.79 PPB m



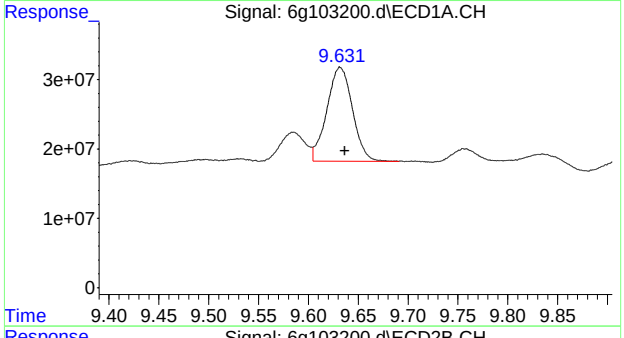
#18 4,4'-DDD

R.T.: 9.231 min
Delta R.T.: 0.016 min
Response: 25160620
Conc: 0.04 PPB m



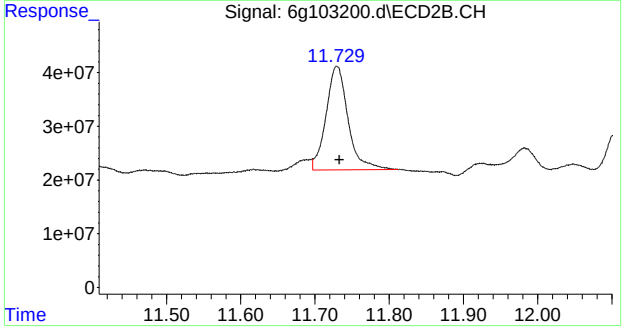
#18 4,4'-DDD

R.T.: 11.181 min
Delta R.T.: 0.002 min
Response: 50158482
Conc: 0.06 PPB m



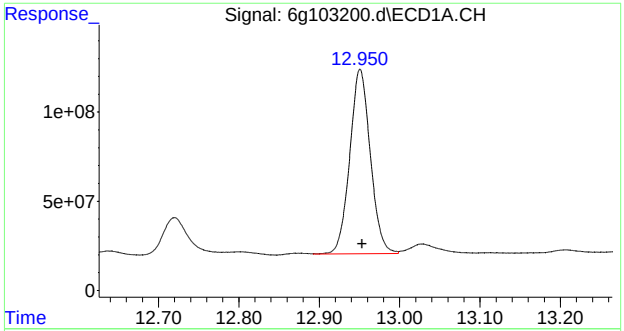
#20 4,4'-DDT

R.T.: 9.632 min
Delta R.T.: -0.005 min
Response: 242674316
Conc: 0.38 PPB



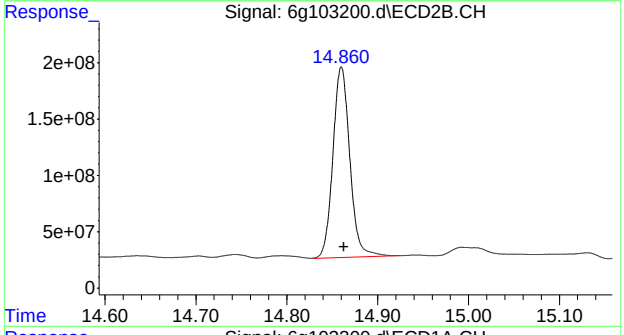
#20 4,4'-DDT

R.T.: 11.729 min
Delta R.T.: -0.004 min
Response: 398371863
Conc: 0.45 PPB m



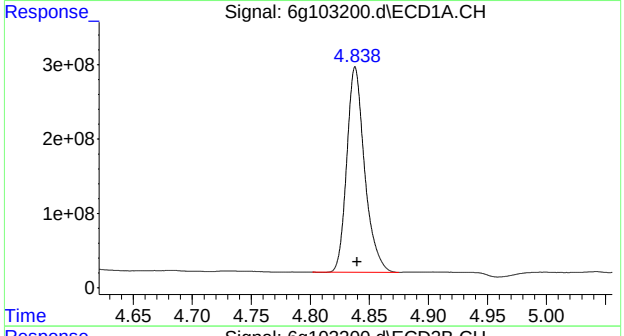
#26 Decachlorobiphenyl

R.T.: 12.951 min
Delta R.T.: -0.002 min
Response: 1837829619
Conc: 3.72 PPB



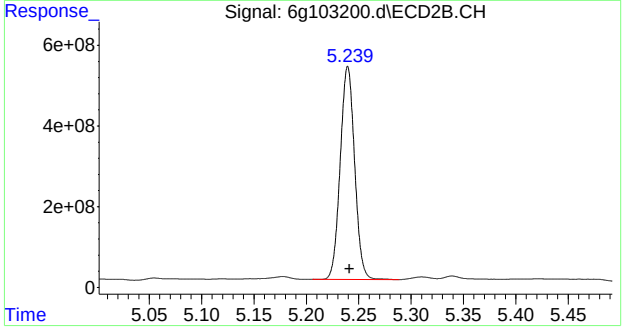
#26 Decachlorobiphenyl

R.T.: 14.860 min
Delta R.T.: -0.002 min
Response: 2184820877
Conc: 2.31 PPB



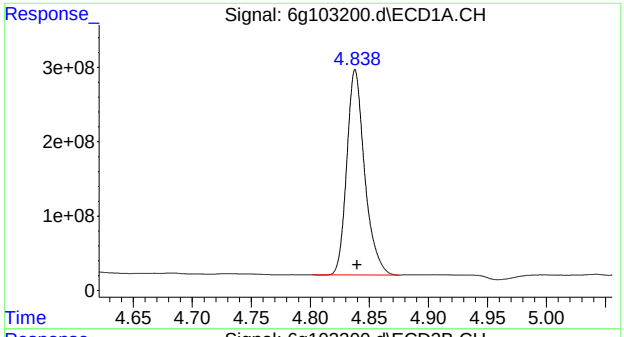
#27 1-bromo-2-nitrobenzeneA

R.T.: 4.838 min
Delta R.T.: -0.001 min
Response: 2906973846
Conc: 5.00 PPB



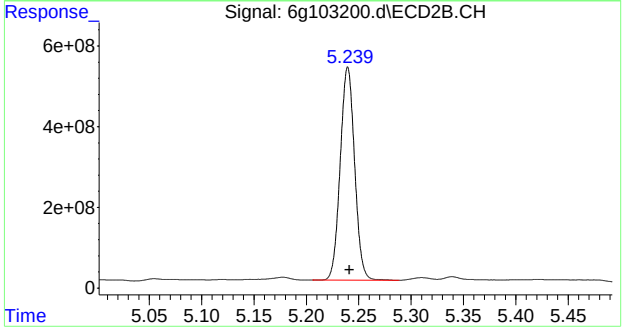
#27 1-bromo-2-nitrobenzeneA

R.T.: 5.240 min
Delta R.T.: -0.002 min
Response: 5060362819
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 4.838 min
Delta R.T.: -0.001 min
Response: 2906973846
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 5.240 min
Delta R.T.: -0.002 min
Response: 5060362819
Conc: 5.00 PPB

Manual Integration Approval Summary

Sample Number: JE1296-1R
Lab FileID: 6G103200.D
Injection Time: 12/09/24 19:47
Method: SW846 8081B
Analyst approved: 12/11/24 04:11 Syra Marie Pacheco
Supervisor approved: 12/11/24 04:19 Syra Marie Pacheco

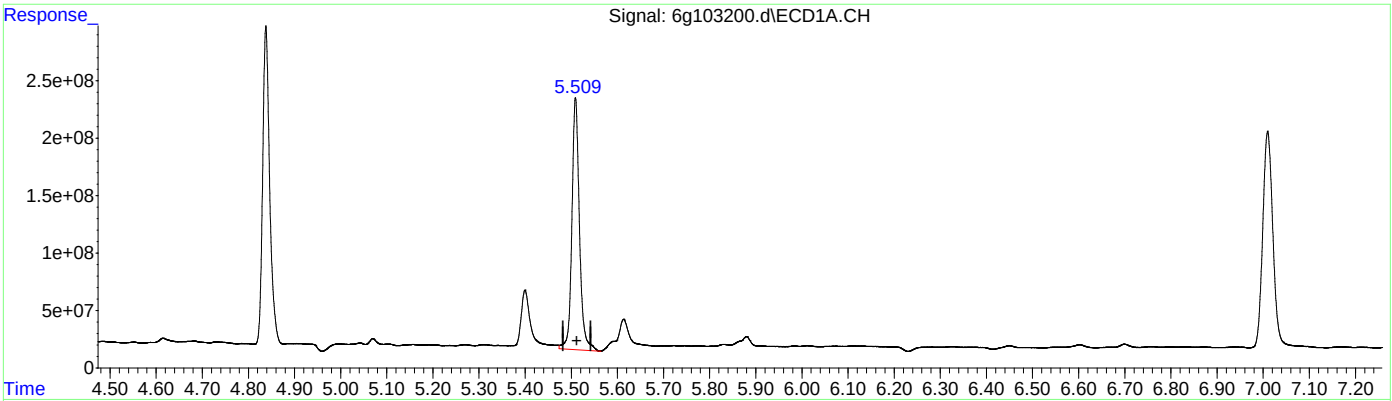
Parameter	CAS	Sig#	R.T. (min.)	Reason
Tetrachloro-m-xylene	877-09-8	1	5.51	Poorly defined baseline
alpha-Chlordane	5103-71-9	1	8.24	Poorly defined baseline
4,4'-DDD	72-54-8	1	9.23	Poorly defined baseline
alpha-Chlordane	5103-71-9	2	9.93	Poorly defined baseline
4,4'-DDE	72-55-9	2	10.19	Poorly defined baseline
4,4'-DDD	72-54-8	2	11.18	Poorly defined baseline
4,4'-DDT	50-29-3	2	11.73	Poorly defined baseline

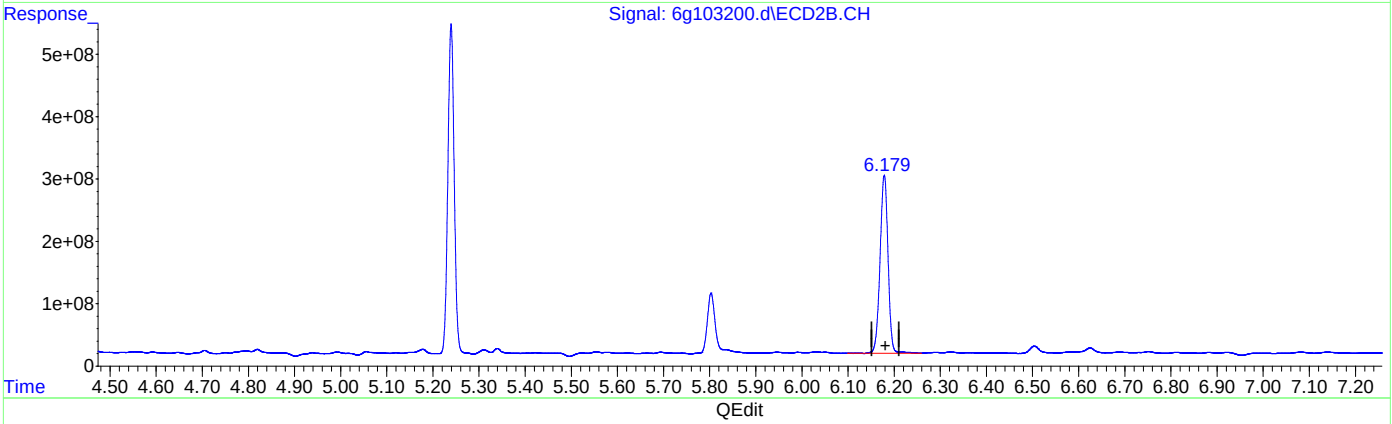
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\G6G3881\
Data File : 6g103200.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09-Dec-24, 19:47:38 (#1); 09-Dec-24, 19:47:39 (#2)
Operator : mahalial
Sample : je1296-1r m
Misc : op59833,g6g3881,5.0,,,10,1
ALS Vial : 0 (Sig #1); 31 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 13:33:17 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\G6G3881\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Tue Dec 10 13:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(2) Tetrachloro-m-xylene (SAB)

5.509min 4.041 PPB

response 2499126526

(2) Tetrachloro-m-xylene #2 (SAB)

6.179min 3.683 PPB

response 3433780259

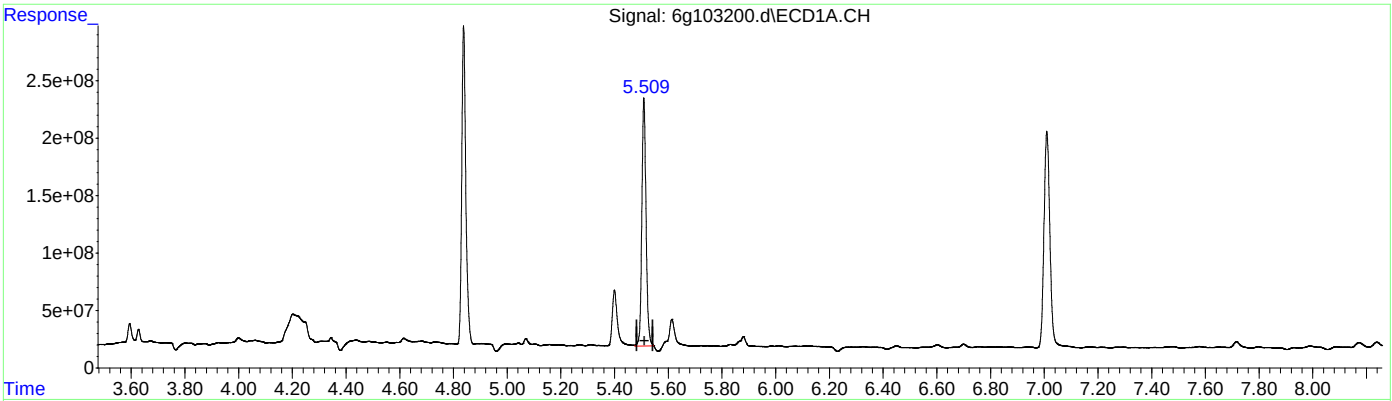
(+) = Expected Retention Time
6PSTLVI3879a.M Tue Dec 10 13:36:59 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\G6G3881\
Data File : 6g103200.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09-Dec-24, 19:47:38 (#1); 09-Dec-24, 19:47:39 (#2)
Operator : mahalial
Sample : je1296-1r m
Misc : op59833,g6g3881,5.0,,,10,1
ALS Vial : 0 (Sig #1); 31 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 13:33:17 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\G6G3881\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Tue Dec 10 13:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



(2) Tetrachloro-m-xylene (SAB)

5.509min 3.780 PPB m

response 2337651609

(2) Tetrachloro-m-xylene #2 (SAB)

6.179min 3.683 PPB

response 3433780259

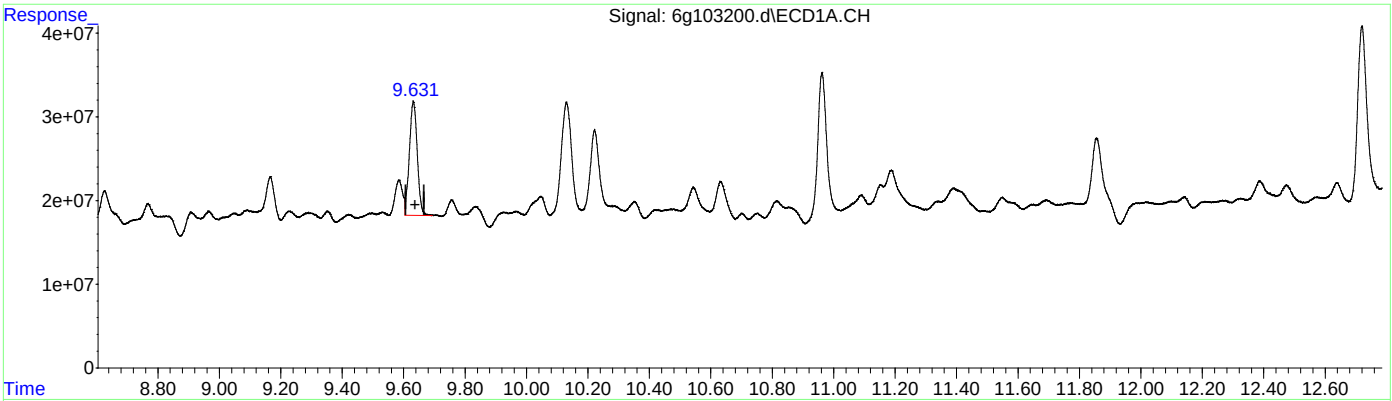
(+) = Expected Retention Time
6PSTLVI3879a.M Tue Dec 10 13:37:04 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\G6G3881\
Data File : 6g103200.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09-Dec-24, 19:47:38 (#1); 09-Dec-24, 19:47:39 (#2)
Operator : mahalial
Sample : je1296-1r m
Misc : op59833,g6g3881,5.0,,,10,1
ALS Vial : 0 (Sig #1); 31 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 13:33:17 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\G6G3881\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Tue Dec 10 13:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



(20) 4,4'-DDT (MA)

9.632min 0.379 PPB

response 242674316

(20) 4,4'-DDT #2 (MA)

11.730min 0.455 PPB

response 399978842

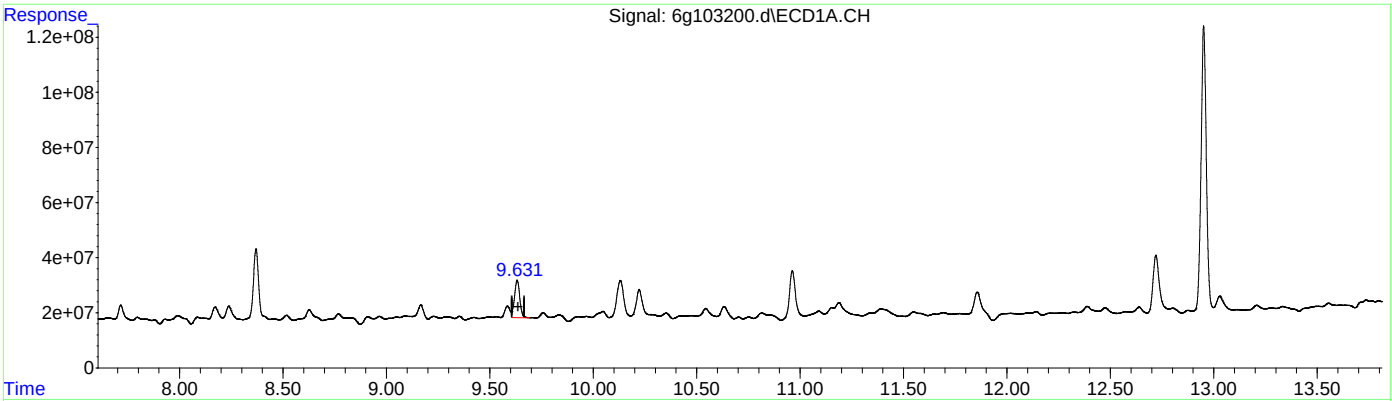
(+) = Expected Retention Time

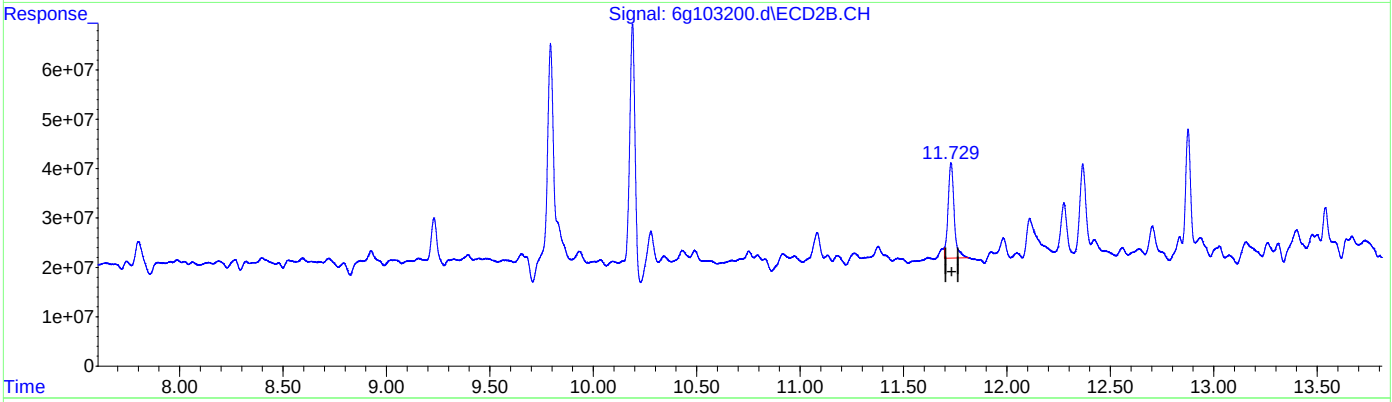
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\G6G3881\
Data File : 6g103200.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09-Dec-24, 19:47:38 (#1); 09-Dec-24, 19:47:39 (#2)
Operator : mahalial
Sample : je1296-1r m
Misc : op59833,g6g3881,5.0,,,10,1
ALS Vial : 0 (Sig #1); 31 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 13:33:17 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\G6G3881\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Tue Dec 10 13:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(20) 4,4'-DDT (MA)

9.632min 0.379 PPB

response 242674316

(20) 4,4'-DDT #2 (MA)

11.729min 0.453 PPB m

response 398371863

(+) = Expected Retention Time
6PSTLVI3879a.M Tue Dec 10 13:37:33 2024

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 12/05/24 19:17

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\nazaryne\g8g2704\
Data File : 8g62855.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 7:32 pm
Operator : kyrac
Sample : je1296-13r m
Misc : op59852,g8g2704,5.2,,,10,1
ALS Vial : 88 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 14:06:34 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1) I	1-bromo-2...	2.424	2.787	285.4E6	698.6E6	5.000m	5.000
27) I	1-bromo-2...	2.424	2.787	282.2E6	698.6E6	5.000m	5.000
33) I	1-bromo-2...	2.424	2.787	289.6E6	698.6E6	5.000m	5.000
	System Monitoring Compounds						
2) SAB	Tetrachlo...	2.980f	3.672f	192.9E6	542.7E6	3.503	3.171
	Spiked Amount 40.000	Range 30 - 150		Recovery =		8.76%#	7.93%#
26) SA	Decachlor...	10.617	12.994	66131503	144.0E6	1.248m	1.488m
	Spiked Amount 40.000			Recovery =		3.12%	3.72%
	Target Compounds						
11) B	Heptachlo...	5.427	6.927	88126009	136.7E6	1.361	0.841 #
12) B	gamma-Chl...	5.607	7.237	283.7E6	672.7E6	4.111	4.188
13) B	alpha-Chl...	5.781	7.475	534.0E6	791.8E6	8.309	4.962 #
15) B	4,4'-DDE	5.888	7.726	641.7E6	1497.2E6	9.755	9.679
16) MA	Dieldrin	6.322	8.050	69854430	106.4E6	1.068	0.643m#
18) A	4,4'-DDD	6.772	8.719	388.2E6	1050.4E6	7.046	7.723
19) B	Endosulfa...	7.010	8.934	6389555	42384046	0.111m	0.307m#
20) MA	4,4'-DDT	7.208	9.281	224.6E6	479.2E6	4.039	4.259
	SemiQuant Compounds - Not Calibrated on this Instrument						

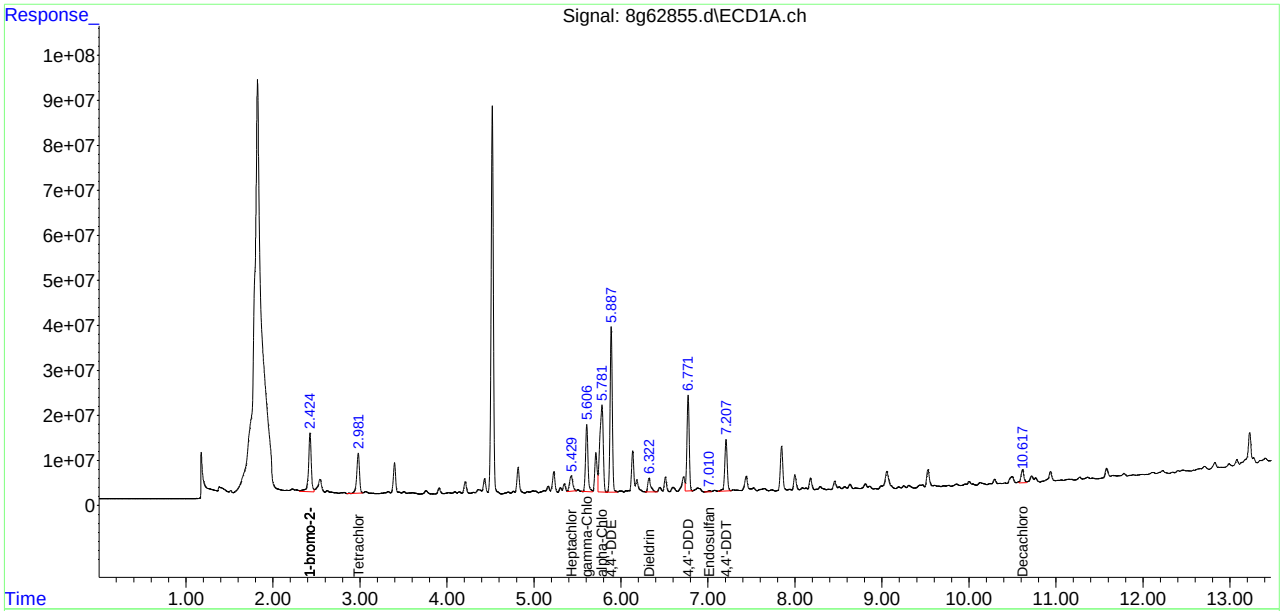
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

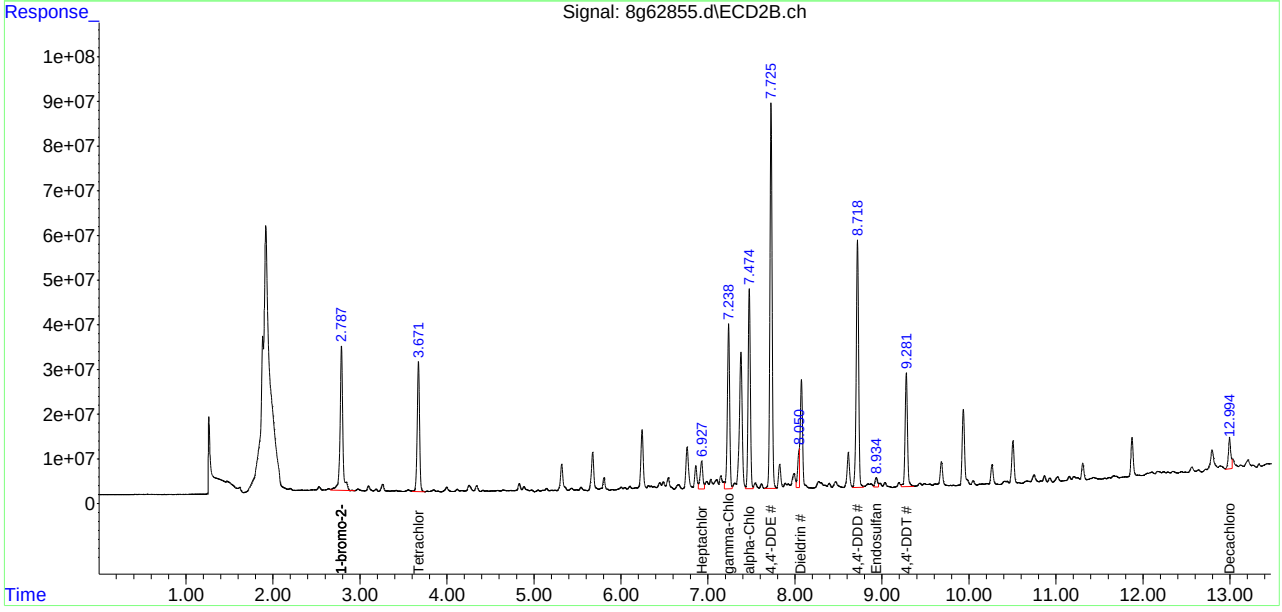
Quantitation Report (QT Reviewed)

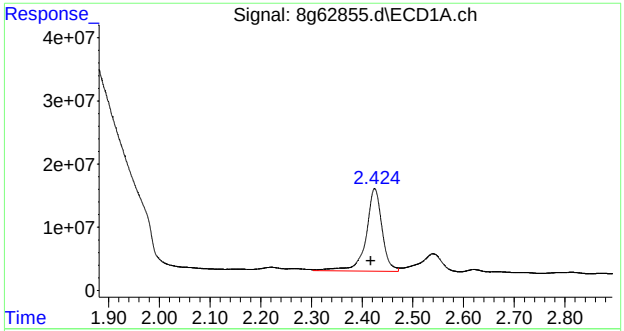
Data Path : X:\Dayton SVOA GC\8. GC Members\nazaryne\g8g2704\
Data File : 8g62855.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 7:32 pm
Operator : kyrac
Sample : je1296-13r m
Misc : op59852,g8g2704,5.2,,,10,1
ALS Vial : 88 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 14:06:34 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

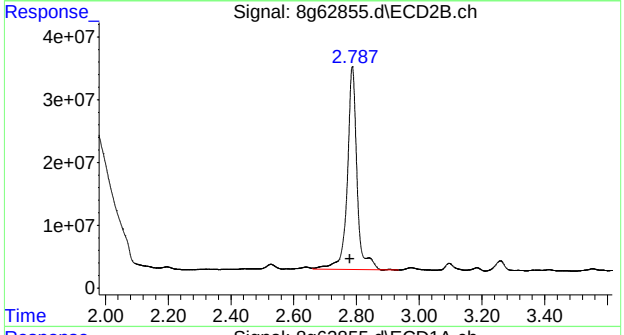






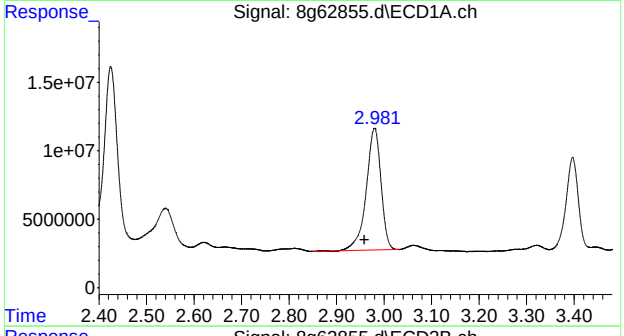
#1 1-bromo-2-nitrobenzene

R.T.: 2.424 min
Delta R.T.: 0.007 min
Response: 285424047
Conc: 5.00 PPB m



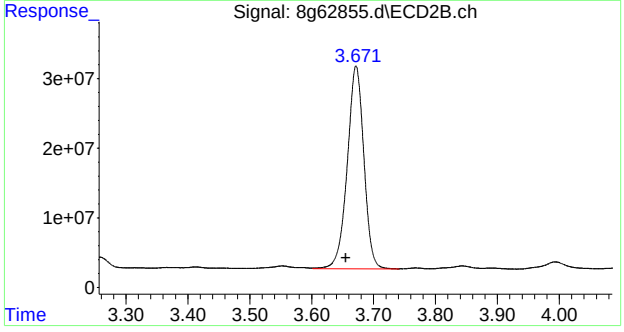
#1 1-bromo-2-nitrobenzene

R.T.: 2.787 min
Delta R.T.: 0.008 min
Response: 698620170
Conc: 5.00 PPB



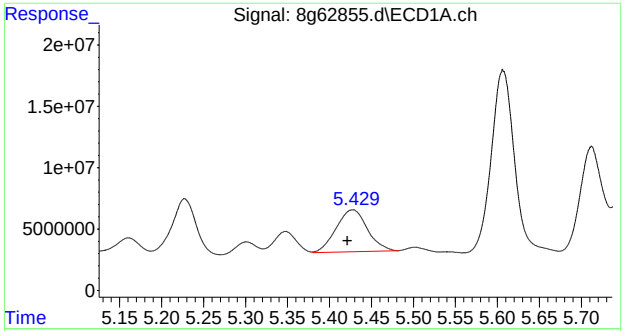
#2 Tetrachloro-m-xylene

R.T.: 2.980 min
Delta R.T.: 0.021 min
Response: 192903863
Conc: 3.50 PPB



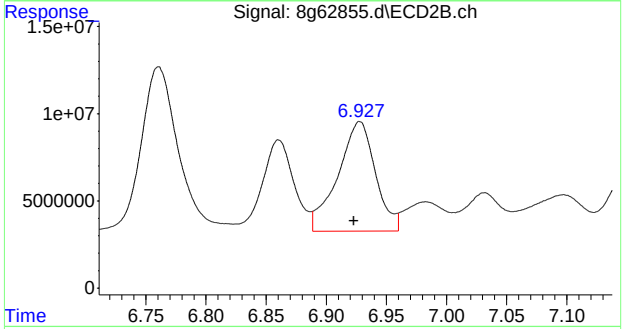
#2 Tetrachloro-m-xylene

R.T.: 3.672 min
Delta R.T.: 0.017 min
Response: 542743500
Conc: 3.17 PPB



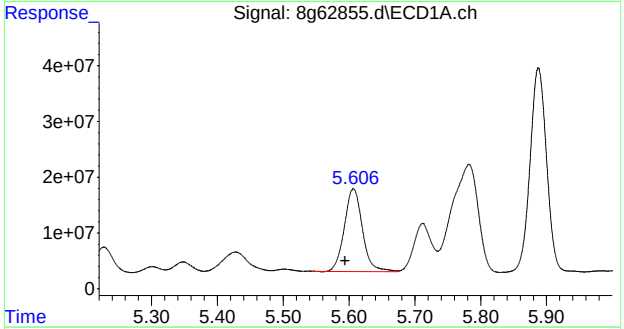
#11 Heptachlor Epoxide

R.T.: 5.427 min
Delta R.T.: 0.006 min
Response: 88126009
Conc: 1.36 PPB



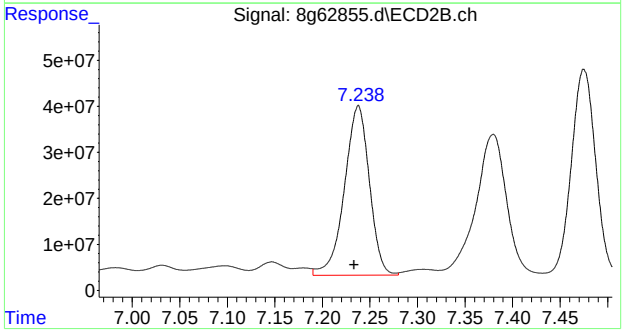
#11 Heptachlor Epoxide

R.T.: 6.927 min
Delta R.T.: 0.004 min
Response: 136701466
Conc: 0.84 PPB



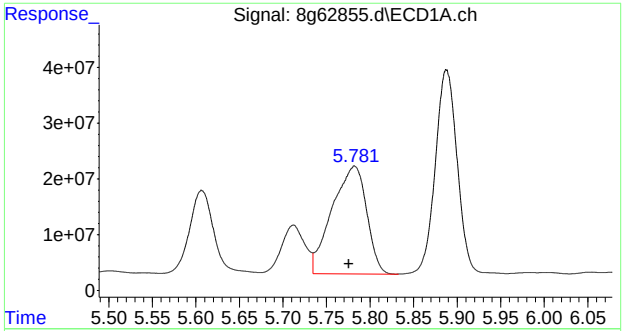
#12 gamma-Chlordane

R.T.: 5.607 min
Delta R.T.: 0.013 min
Response: 283721553
Conc: 4.11 PPB



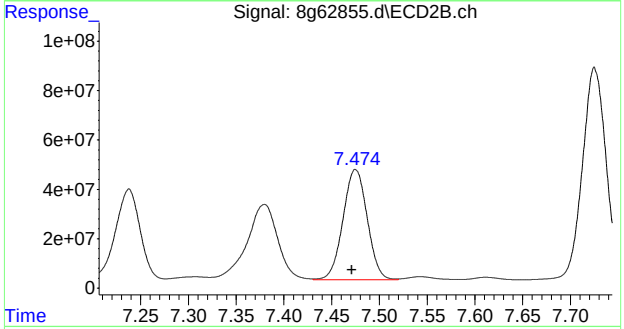
#12 gamma-Chlordane

R.T.: 7.237 min
Delta R.T.: 0.004 min
Response: 672727724
Conc: 4.19 PPB



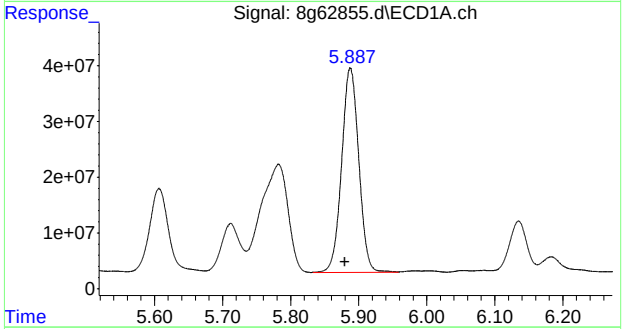
#13 alpha-Chlordane

R.T.: 5.781 min
Delta R.T.: 0.005 min
Response: 533989988
Conc: 8.31 PPB



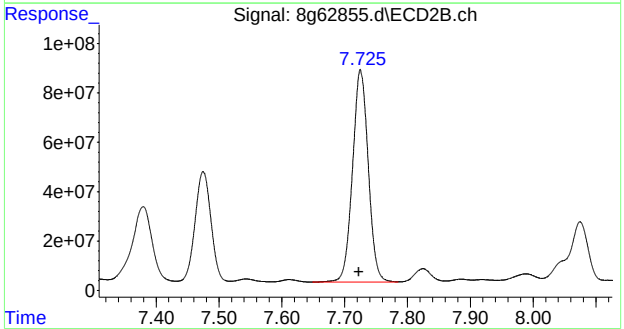
#13 alpha-Chlordane

R.T.: 7.475 min
Delta R.T.: 0.004 min
Response: 791770326
Conc: 4.96 PPB



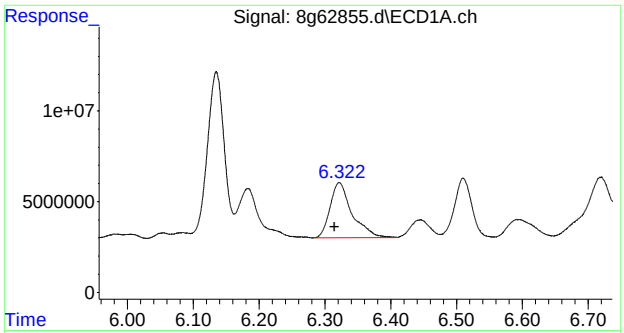
#15 4,4'-DDE

R.T.: 5.888 min
Delta R.T.: 0.009 min
Response: 641738168
Conc: 9.76 PPB



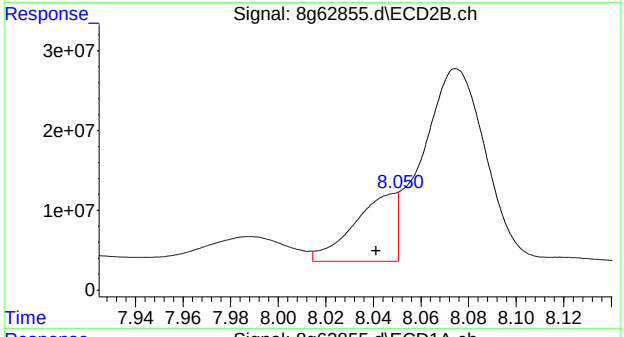
#15 4,4'-DDE

R.T.: 7.726 min
Delta R.T.: 0.003 min
Response: 1497215018
Conc: 9.68 PPB



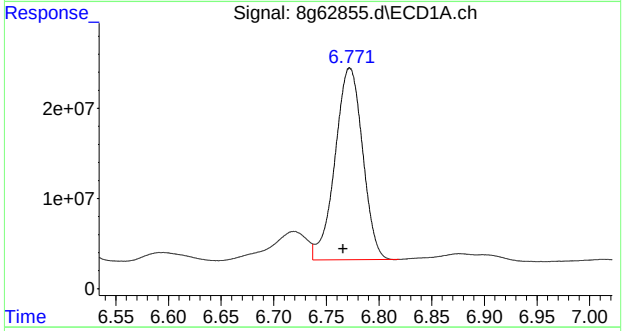
#16 Dieldrin

R.T.: 6.322 min
Delta R.T.: 0.008 min
Response: 69854430
Conc: 1.07 PPB



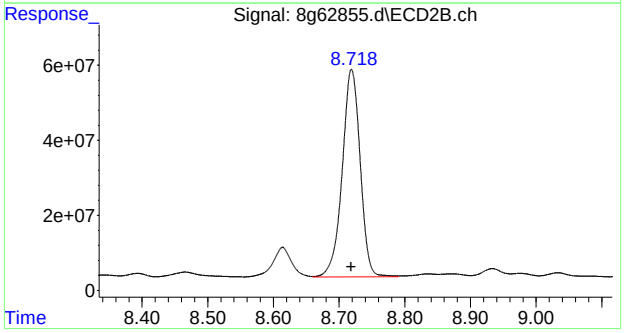
#16 Dieldrin

R.T.: 8.050 min
Delta R.T.: 0.009 min
Response: 106404730
Conc: 0.64 PPB m



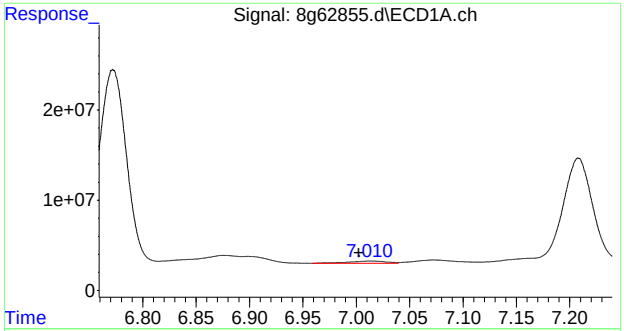
#18 4,4'-DDD

R.T.: 6.772 min
Delta R.T.: 0.006 min
Response: 388155240
Conc: 7.05 PPB



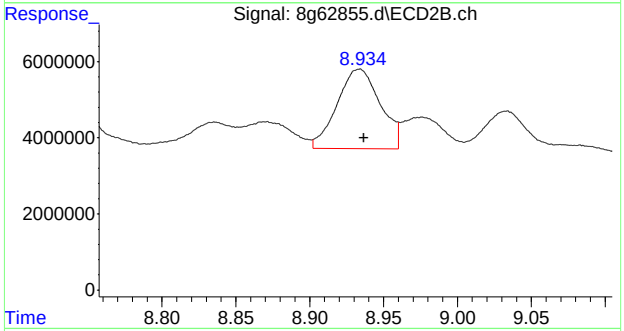
#18 4,4'-DDD

R.T.: 8.719 min
Delta R.T.: 0.001 min
Response: 1050379217
Conc: 7.72 PPB



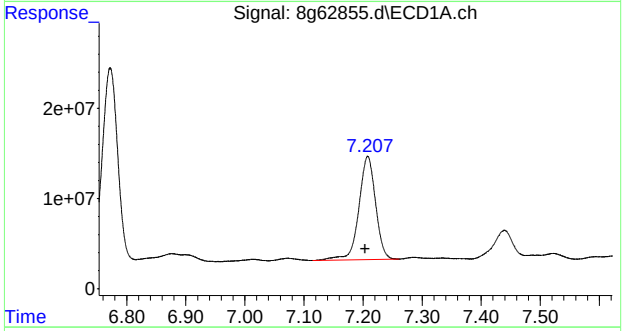
#19 Endosulfan II

R.T.: 7.010 min
Delta R.T.: 0.008 min
Response: 6389555
Conc: 0.11 PPB m



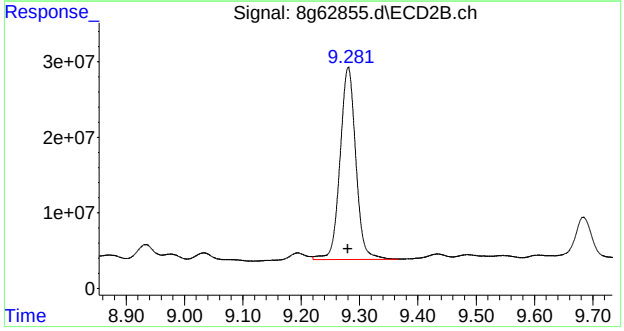
#19 Endosulfan II

R.T.: 8.934 min
Delta R.T.: -0.002 min
Response: 42384046
Conc: 0.31 PPB m



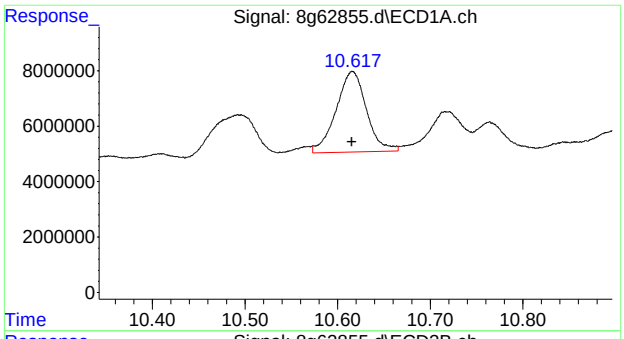
#20 4,4'-DDT

R.T.: 7.208 min
Delta R.T.: 0.004 min
Response: 224625359
Conc: 4.04 PPB



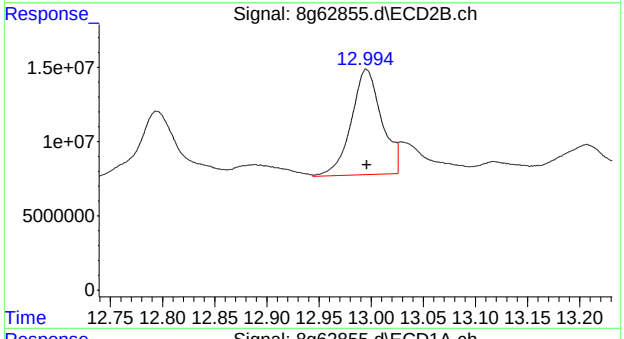
#20 4,4'-DDT

R.T.: 9.281 min
Delta R.T.: 0.000 min
Response: 479209432
Conc: 4.26 PPB



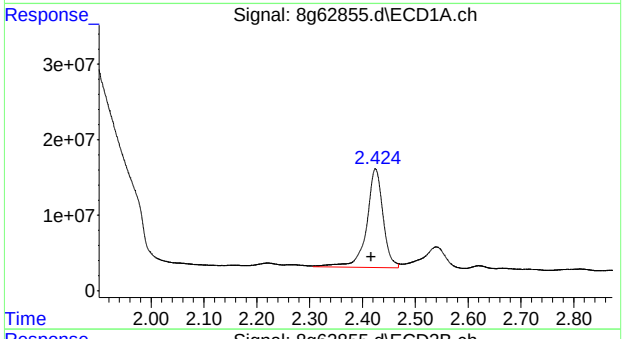
#26 Decachlorobiphenyl

R.T.: 10.617 min
Delta R.T.: 0.001 min
Response: 66131503
Conc: 1.25 PPB m



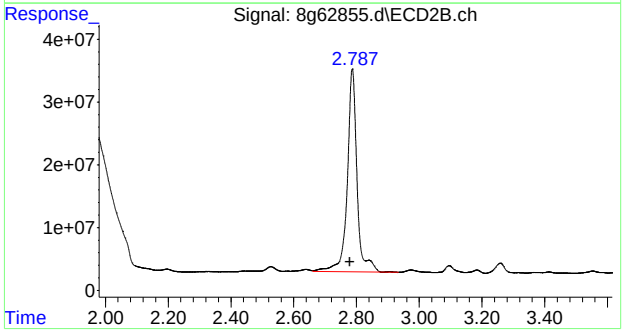
#26 Decachlorobiphenyl

R.T.: 12.994 min
Delta R.T.: -0.001 min
Response: 144042499
Conc: 1.49 PPB m



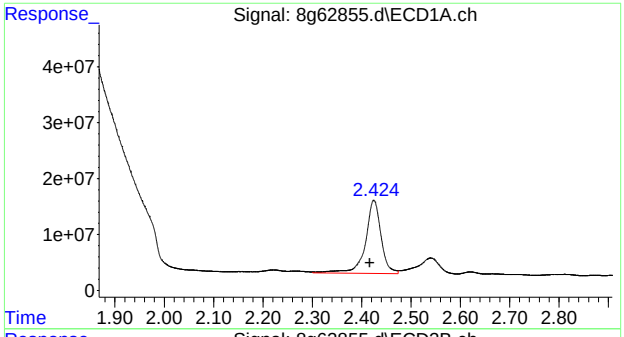
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.424 min
Delta R.T.: 0.007 min
Response: 282247096
Conc: 5.00 PPB m



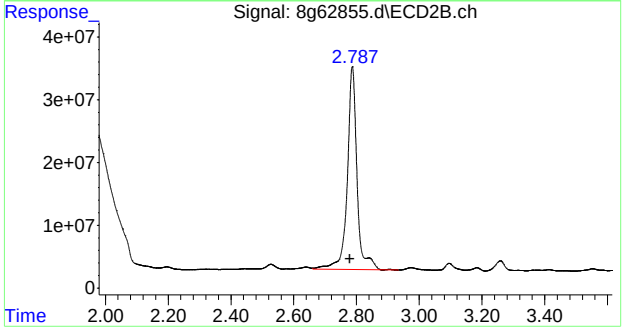
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.787 min
Delta R.T.: 0.008 min
Response: 698620170
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.424 min
Delta R.T.: 0.007 min
Response: 289552635
Conc: 5.00 PPB m



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.787 min
Delta R.T.: 0.008 min
Response: 698620170
Conc: 5.00 PPB

Manual Integration Approval Summary

Sample Number: JE1296-13R
Lab FileID: 8G62855.D
Injection Time: 12/04/24 19:32
Method: SW846 8081B
Analyst approved: 12/05/24 18:31 Gwendolyn Burns
Supervisor approved: 12/05/24 19:17 Gwendolyn Burns

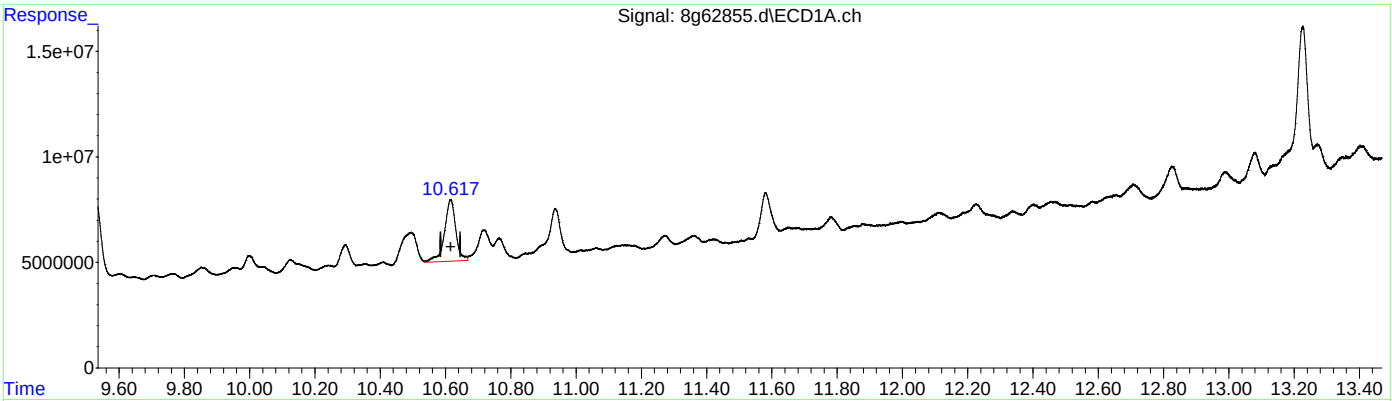
Parameter	CAS	Sig#	R.T. (min.)	Reason
1-Bromo-2-nitrobenzene	577-19-5	1	2.42	Poorly defined baseline
Endosulfan-II	33213-65-9	1	7.01	Poorly defined baseline
Dieldrin	60-57-1	2	8.05	Poorly defined baseline
Endosulfan-II	33213-65-9	2	8.93	Poorly defined baseline
Decachlorobiphenyl	2051-24-3	1	10.62	Poorly defined baseline
Decachlorobiphenyl	2051-24-3	2	12.99	Poorly defined baseline

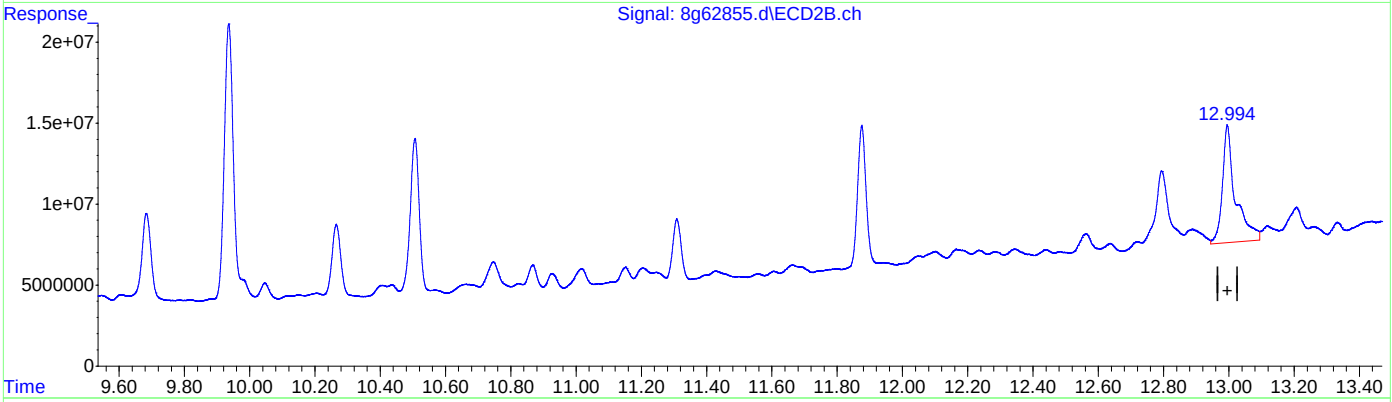
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62855.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 7:32 pm
Operator : kyrac
Sample : je1296-13r m
Misc : op59852,g8g2704,5.2,,,10,1
ALS Vial : 88 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:21:09 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(26) Decachlorobiphenyl (SA)

10.616min 1.050 PPB

response 70503454

(26) Decachlorobiphenyl #2 (SA)

12.996min 2.077 PPB

response 201051781

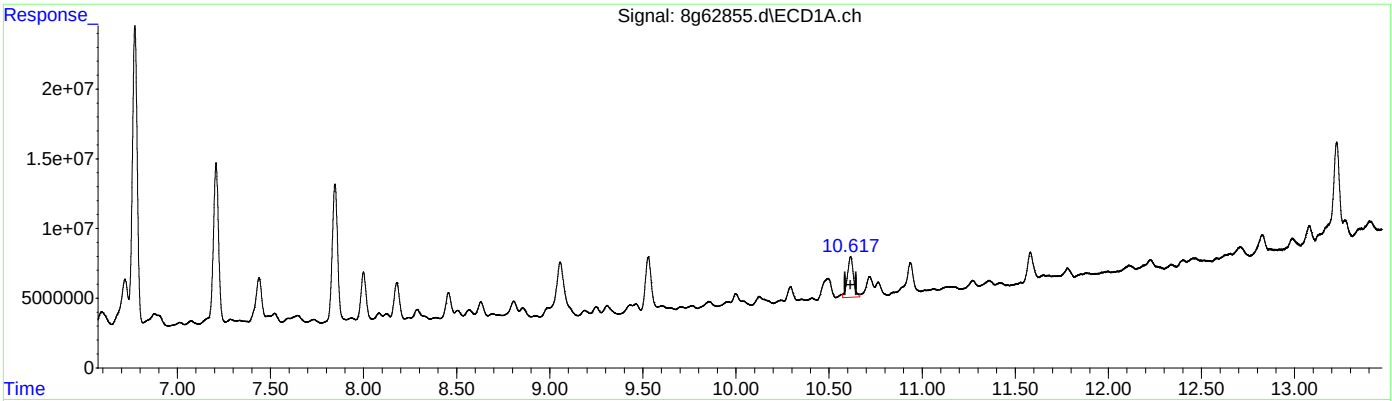
(+) = Expected Retention Time

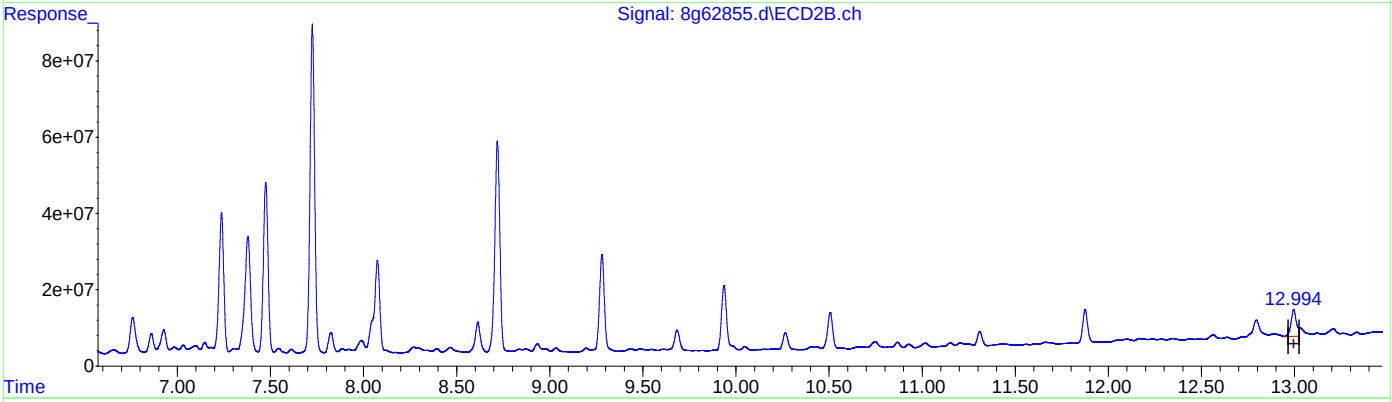
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62855.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 7:32 pm
Operator : kyrac
Sample : je1296-13r m
Misc : op59852,g8g2704,5.2,,,10,1
ALS Vial : 88 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:21:09 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(26) Decachlorobiphenyl (SA)

10.617min 0.985 PPB m

response 66131503

(26) Decachlorobiphenyl #2 (SA)

12.994min 1.488 PPB m

response 144042499

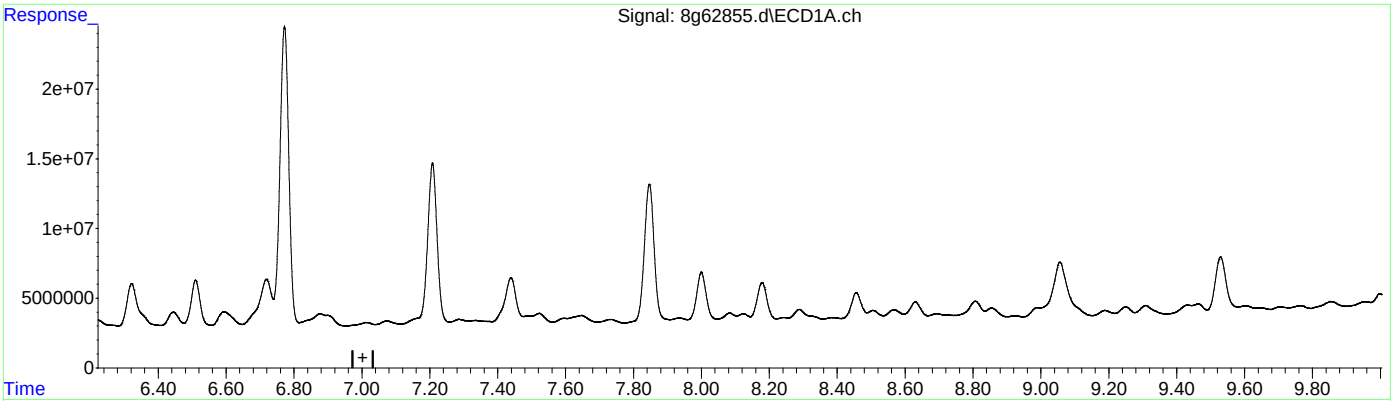
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 03:33:27 2024

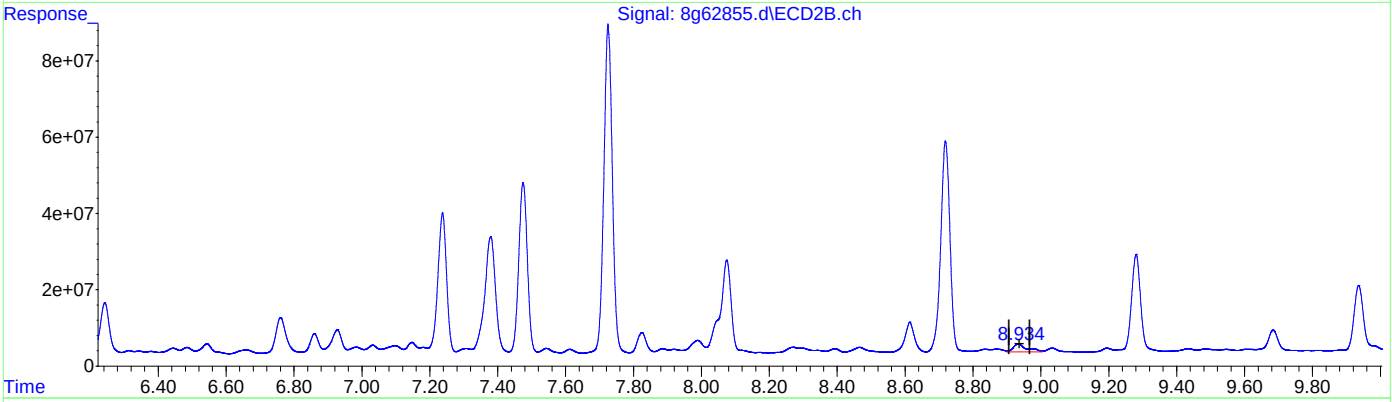
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62855.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 7:32 pm
Operator : kyrac
Sample : je1296-13r m
Misc : op59852,g8g2704,5.2,,,10,1
ALS Vial : 88 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:21:09 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(19) Endosulfan II (B)

0.000min 0.000 PPB

response 0

(19) Endosulfan II #2 (B)

8.933min 0.430 PPB

response 59390824

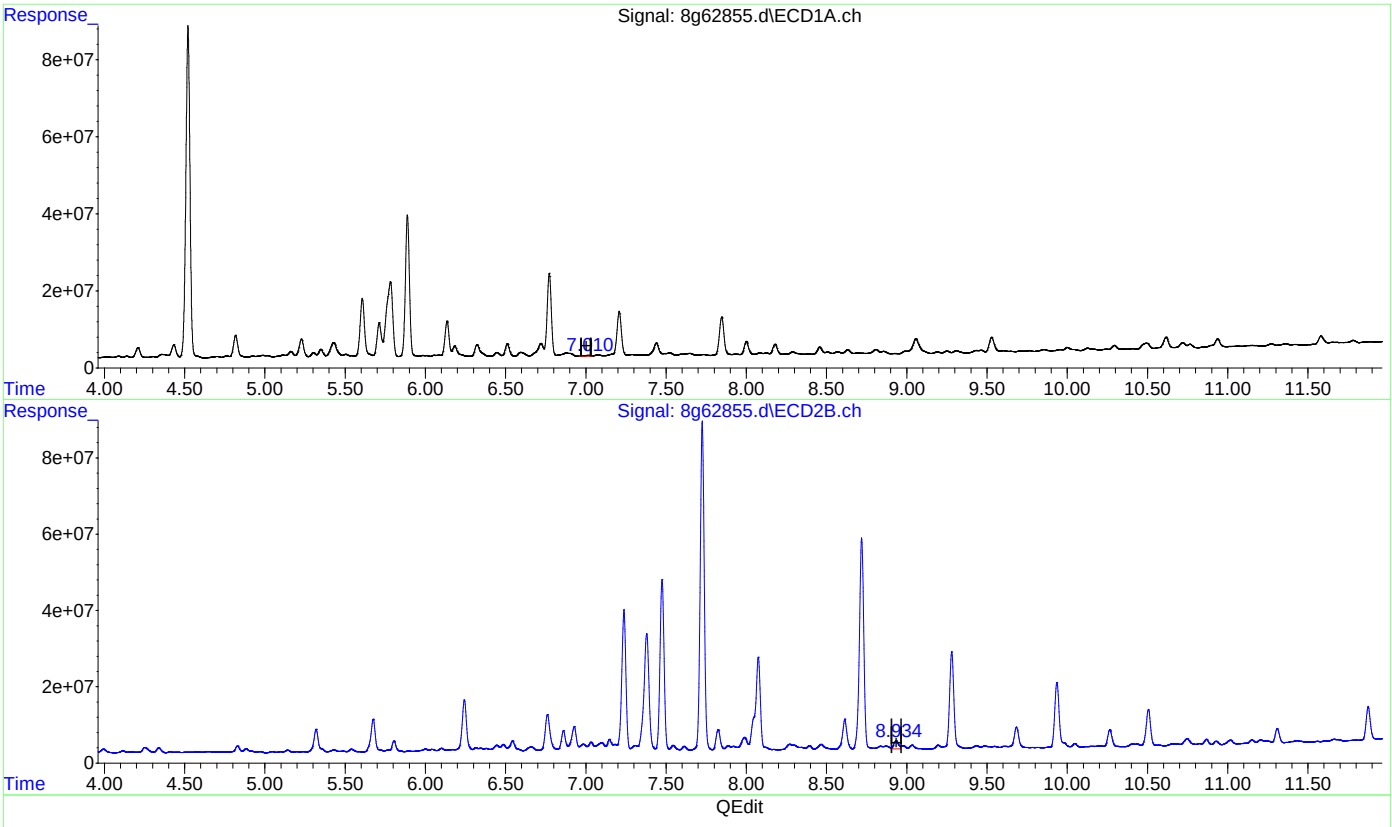
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 03:44:42 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62855.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 7:32 pm
Operator : kyrac
Sample : je1296-13r m
Misc : op59852,g8g2704,5.2,,,10,1
ALS Vial : 88 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:21:09 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(19) Endosulfan II (B)

7.010min 0.088 PPB m

response 6389555

(19) Endosulfan II #2 (B)

8.934min 0.307 PPB m

response 42384046

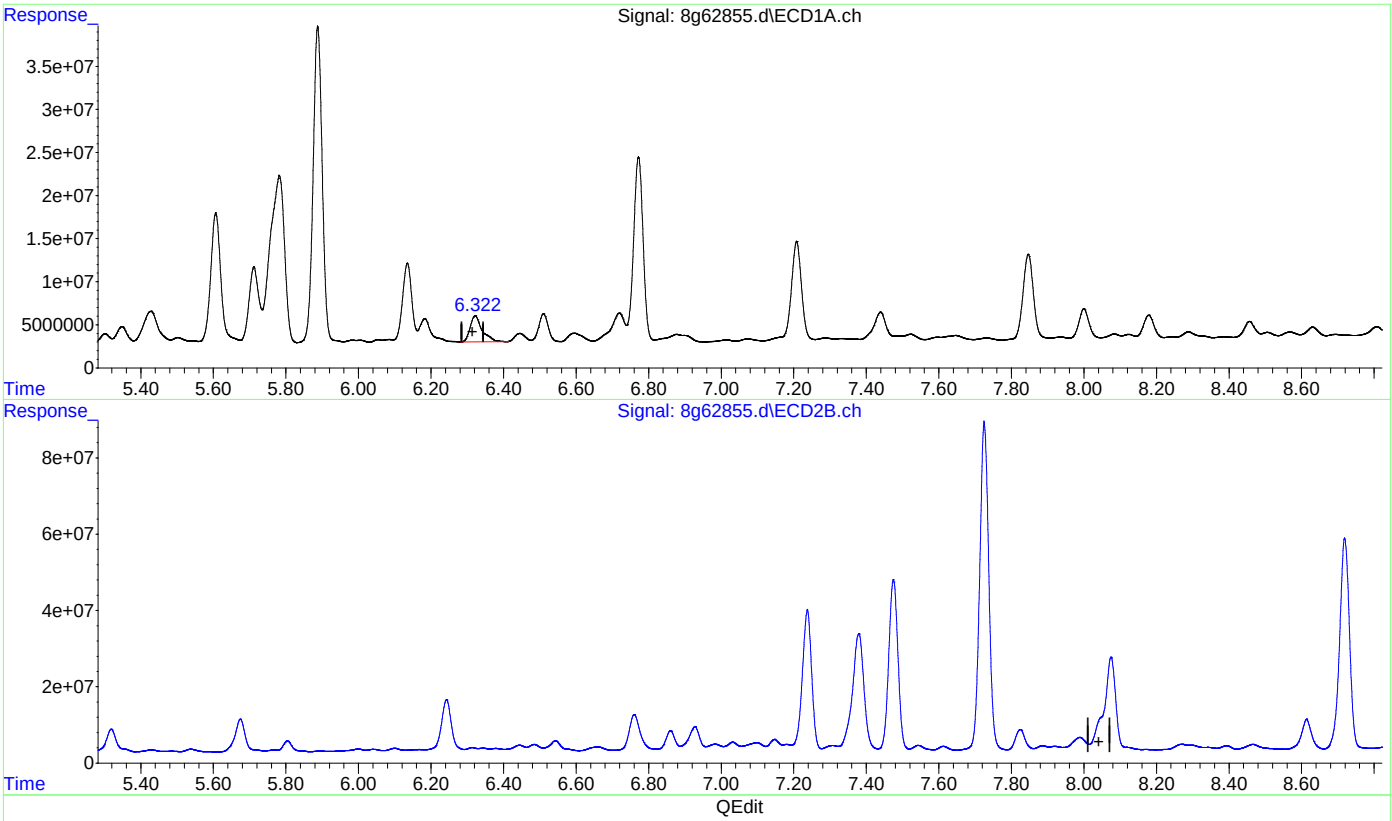
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 03:44:55 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62855.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 7:32 pm
Operator : kyrac
Sample : je1296-13r m
Misc : op59852,g8g2704,5.2,,,10,1
ALS Vial : 88 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:21:09 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(16) Dieldrin (MA)

6.322min 0.843 PPB

response 69854430

(16) Dieldrin #2 (MA)

0.000min 0.000 PPB

response 0

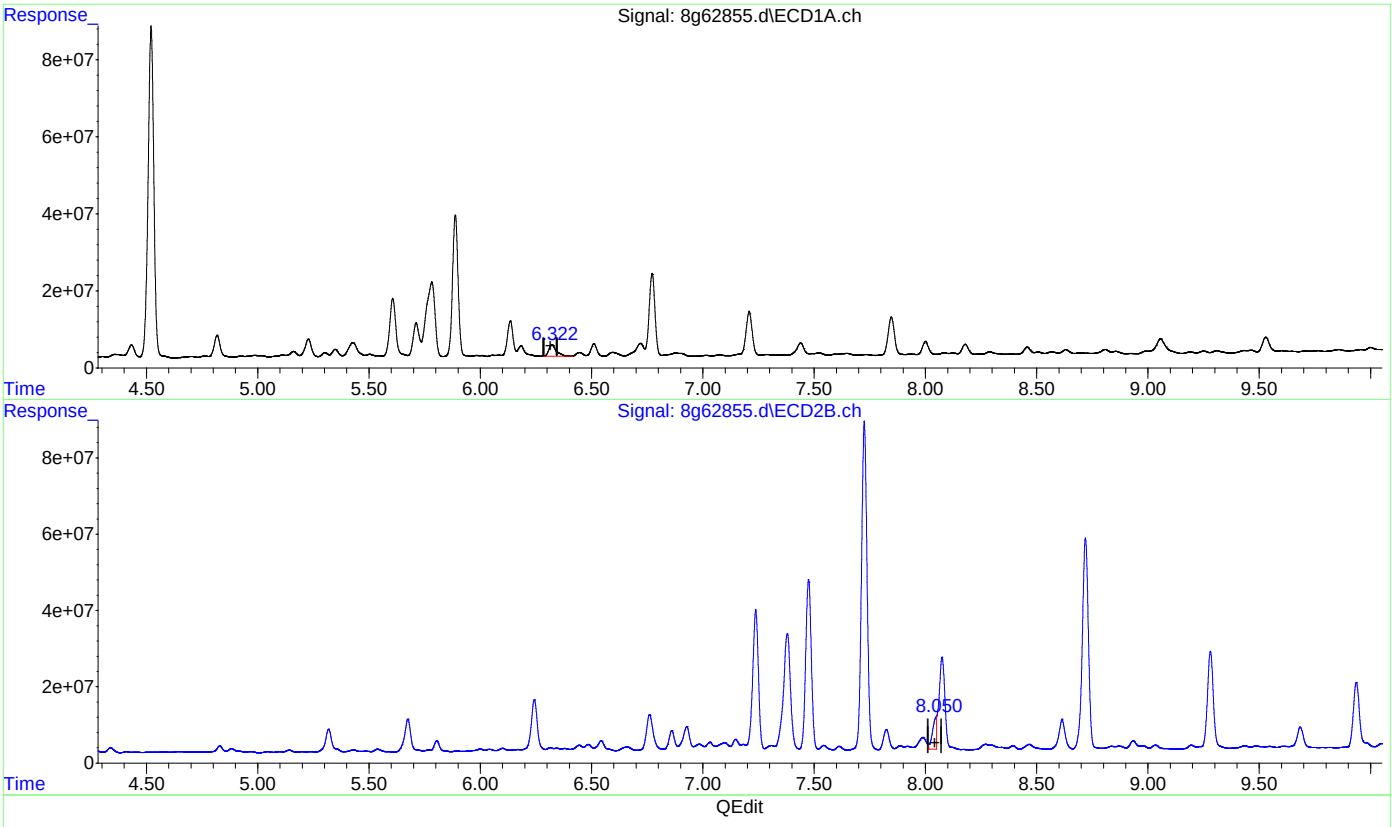
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 03:45:13 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62855.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 7:32 pm
Operator : kyrac
Sample : je1296-13r m
Misc : op59852,g8g2704,5.2,,,10,1
ALS Vial : 88 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:21:09 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(16) Dieldrin (MA)

6.322min 0.843 PPB

response 69854430

(16) Dieldrin #2 (MA)

8.050min 0.643 PPB m

response 106404730

(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 03:45:20 2024

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 12/05/24 19:17

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62856.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 7:58 pm
Operator : kyrac
Sample : je1296-25r m
Misc : op59852,g8g2704,5.2,,,10,1
ALS Vial : 89 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 03:47:04 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1) I	1-bromo-2...	2.422	2.784	276.3E6	700.0E6	5.000	5.000
27) I	1-bromo-2...	2.422	2.784	276.3E6	700.0E6	5.000	5.000
33) I	1-bromo-2...	2.422	2.784	276.3E6	700.0E6	5.000	5.000
	System Monitoring Compounds						
2) SAB	Tetrachlo...	2.976f	3.668	216.4E6	656.1E6	4.060	3.826
	Spiked Amount 40.000	Range 30 - 150		Recovery =		10.15%#	9.56%#
26) SA	Decachlor...	10.618	12.997	57401952	114.7E6	1.119m	1.183m
	Spiked Amount 40.000			Recovery =		2.80%	2.96%
	Target Compounds						
15) B	4,4'-DDE	5.885	7.725	2576647	3308690	0.040m	0.021m#
	SemiQuant Compounds - Not Calibrated on this Instrument						

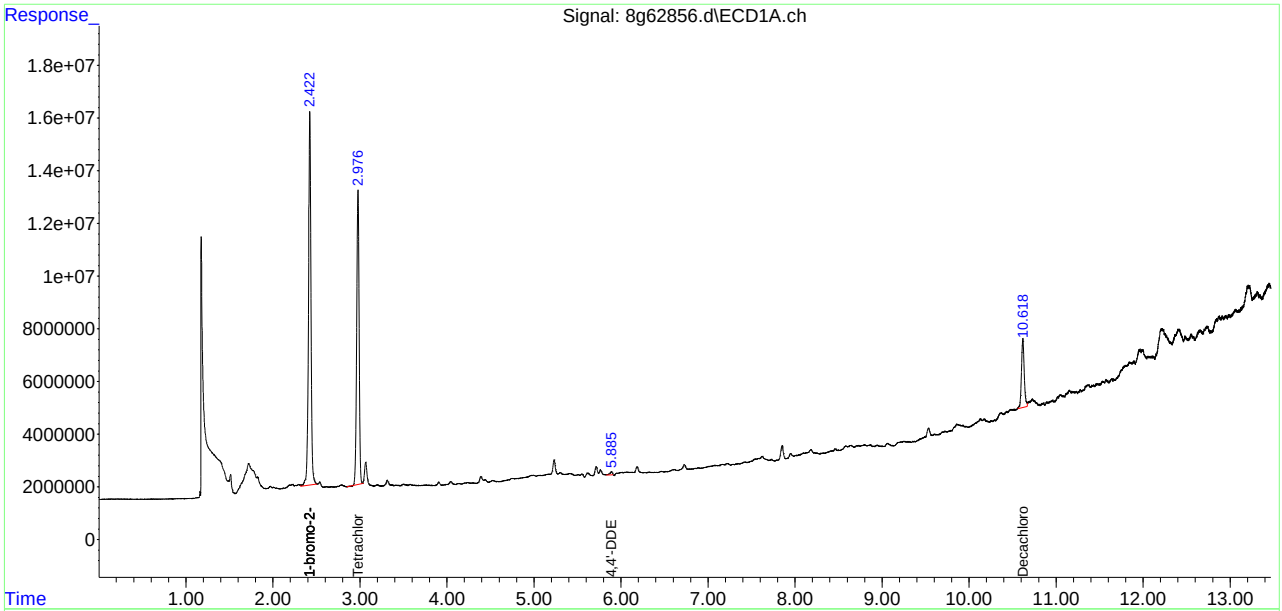
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

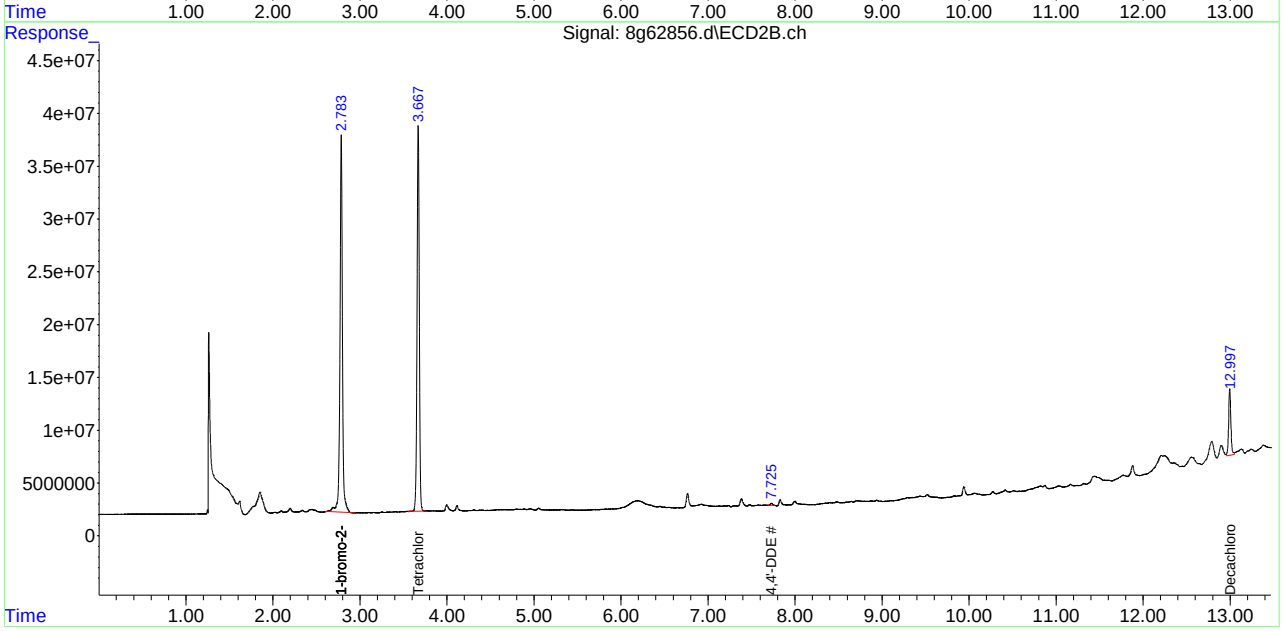
Quantitation Report (QT Reviewed)

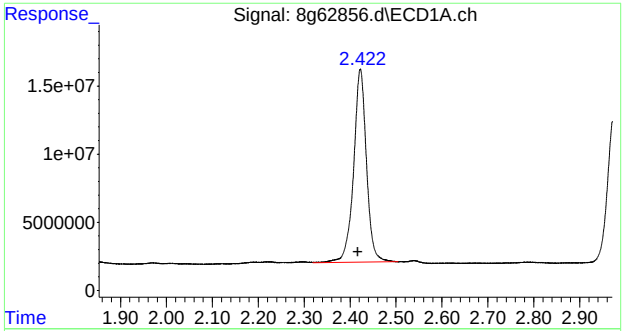
Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62856.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 7:58 pm
Operator : kyrac
Sample : je1296-25r m
Misc : op59852,g8g2704,5.2,,,10,1
ALS Vial : 89 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 03:47:04 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

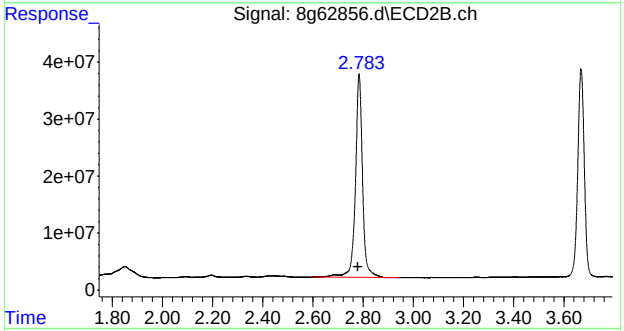






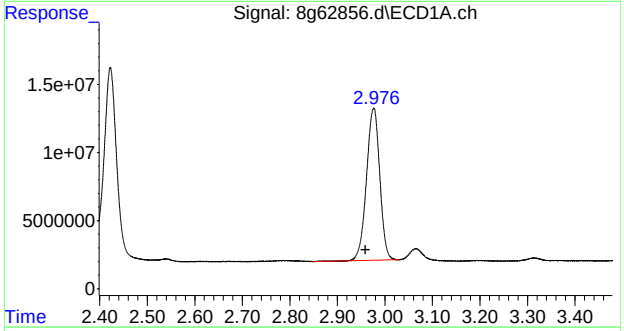
#1 1-bromo-2-nitrobenzene

R.T.: 2.422 min
Delta R.T.: 0.005 min
Response: 276300762
Conc: 5.00 PPB



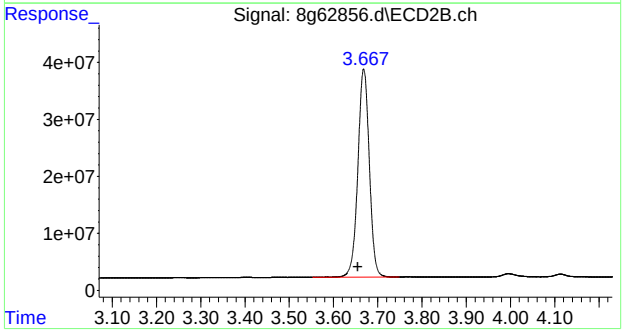
#1 1-bromo-2-nitrobenzene

R.T.: 2.784 min
Delta R.T.: 0.006 min
Response: 699976459
Conc: 5.00 PPB



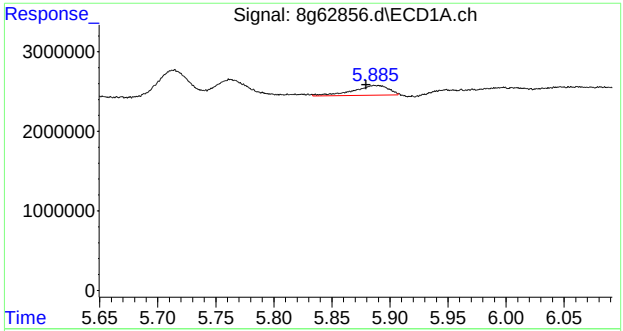
#2 Tetrachloro-m-xylene

R.T.: 2.976 min
Delta R.T.: 0.017 min
Response: 216431508
Conc: 4.06 PPB



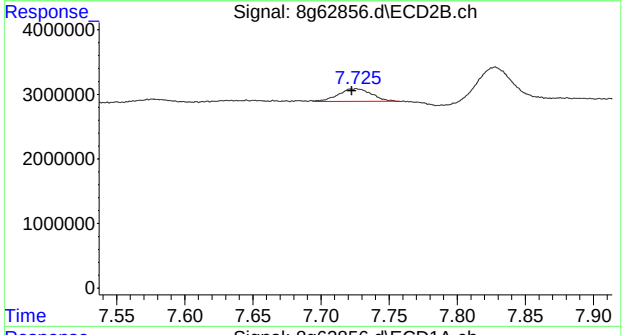
#2 Tetrachloro-m-xylene

R.T.: 3.668 min
Delta R.T.: 0.013 min
Response: 656127169
Conc: 3.83 PPB



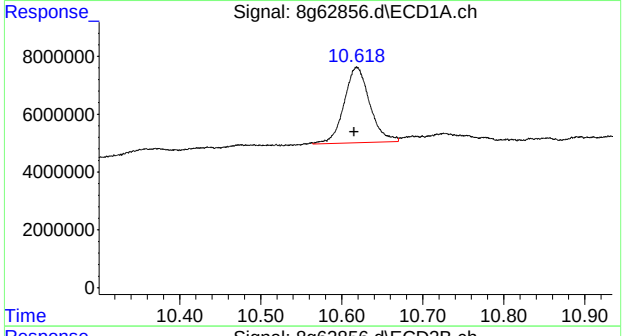
#15 4,4'-DDE

R.T.: 5.885 min
Delta R.T.: 0.006 min
Response: 2576647
Conc: 0.04 PPB m



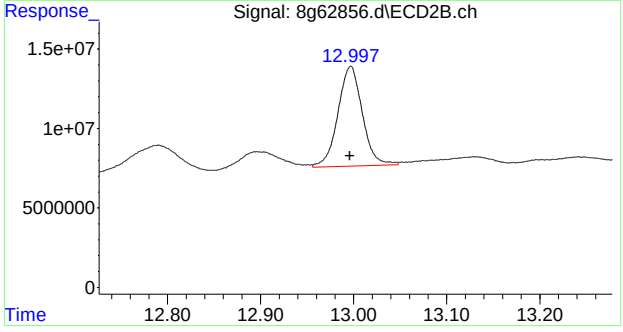
#15 4,4'-DDE

R.T.: 7.725 min
Delta R.T.: 0.003 min
Response: 3308690
Conc: 0.02 PPB m



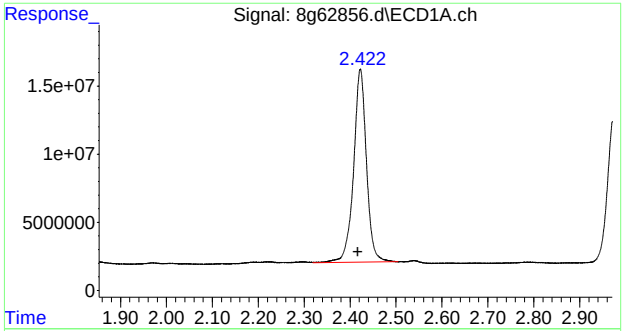
#26 Decachlorobiphenyl

R.T.: 10.618 min
Delta R.T.: 0.003 min
Response: 57401952
Conc: 1.12 PPB m



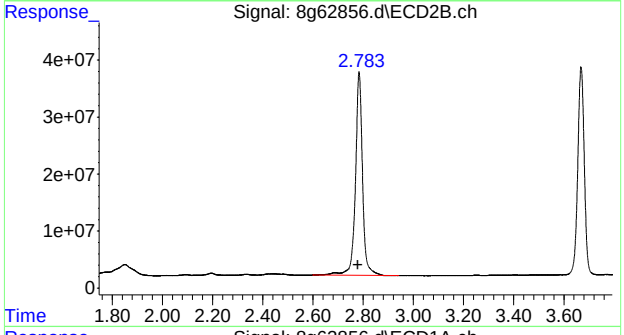
#26 Decachlorobiphenyl

R.T.: 12.997 min
Delta R.T.: 0.001 min
Response: 114721723
Conc: 1.18 PPB m



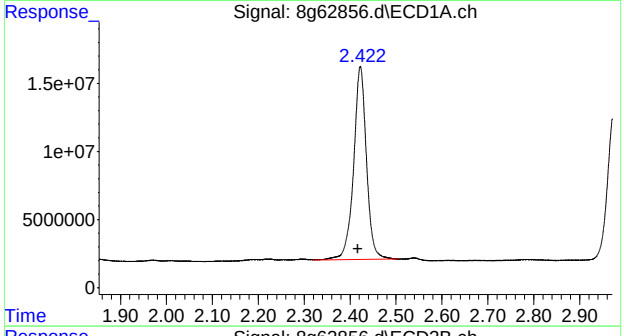
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.422 min
Delta R.T.: 0.006 min
Response: 276300762
Conc: 5.00 PPB



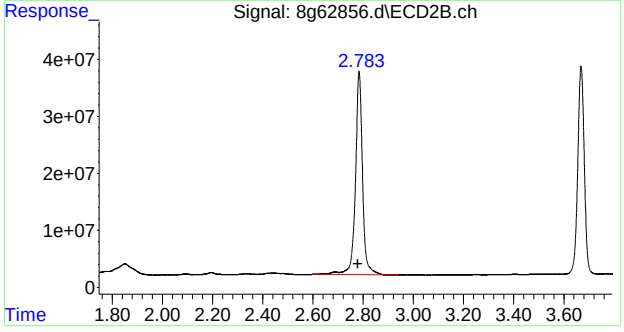
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.784 min
Delta R.T.: 0.006 min
Response: 699976459
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.422 min
Delta R.T.: 0.006 min
Response: 276300762
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.784 min
Delta R.T.: 0.006 min
Response: 699976459
Conc: 5.00 PPB

Manual Integration Approval Summary

Sample Number: JE1296-25R
Lab FileID: 8G62856.D
Injection Time: 12/04/24 19:58
Method: SW846 8081B
Analyst approved: 12/05/24 18:31 Gwendolyn Burns
Supervisor approved: 12/05/24 19:17 Gwendolyn Burns

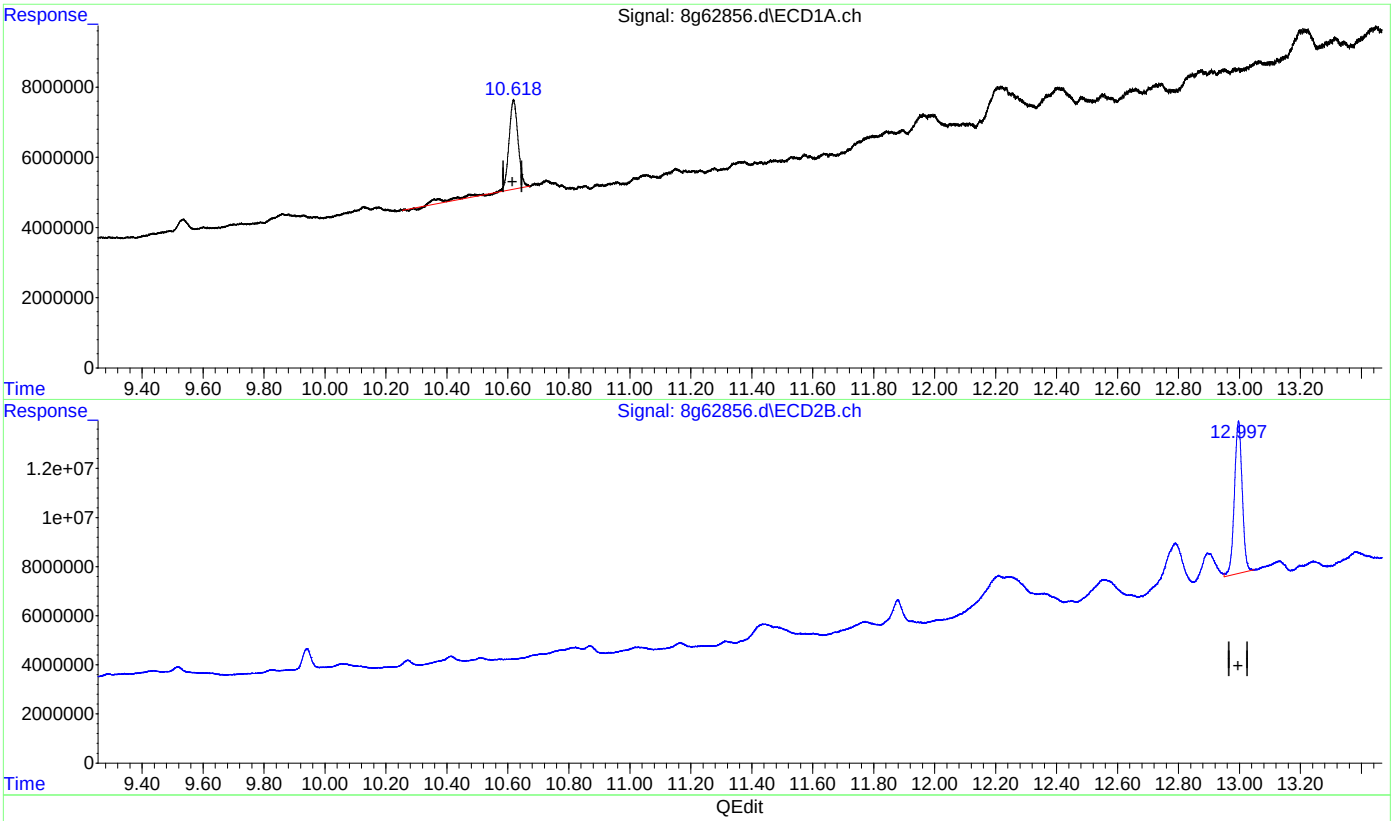
Parameter	CAS	Sig#	R.T. (min.)	Reason
4,4'-DDE	72-55-9	1	5.89	Poorly defined baseline
4,4'-DDE	72-55-9	2	7.73	Poorly defined baseline
Decachlorobiphenyl	2051-24-3	1	10.62	Poorly defined baseline
Decachlorobiphenyl	2051-24-3	2	13.00	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62856.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 7:58 pm
Operator : kyrac
Sample : je1296-25r m
Misc : op59852,g8g2704,5.2,,,10,1
ALS Vial : 89 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:21:21 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(26) Decachlorobiphenyl (SA)

10.619min 1.124 PPB

response 57617732

(26) Decachlorobiphenyl #2 (SA)

12.997min 1.130 PPB

response 109595924

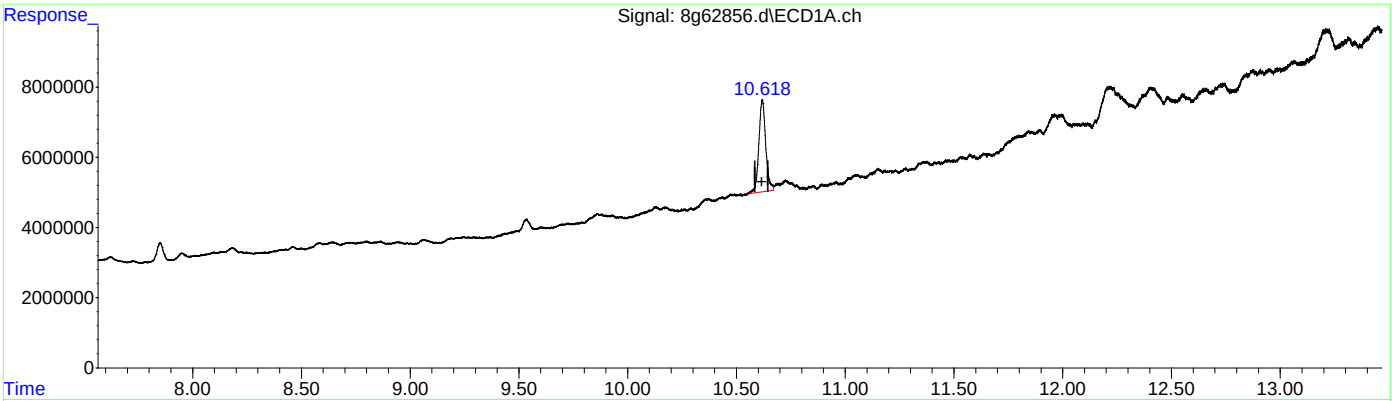
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 03:45:58 2024

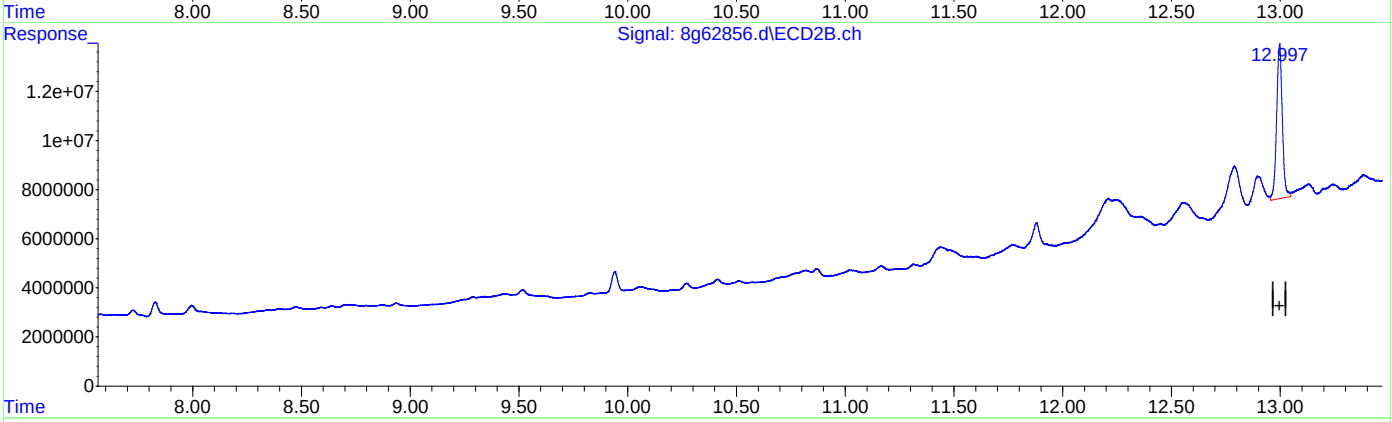
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62856.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 7:58 pm
Operator : kyrac
Sample : je1296-25r m
Misc : op59852,g8g2704,5.2,,,10,1
ALS Vial : 89 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:21:21 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(26) Decachlorobiphenyl (SA)

10.618min 1.119 PPB m

response 57401952

(26) Decachlorobiphenyl #2 (SA)

12.997min 1.183 PPB m

response 114721723

(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 03:46:06 2024

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 12/05/24 19:17

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62857.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 8:23 pm
Operator : kyrac
Sample : je1296-37r m
Misc : op59852,g8g2704,5.3,,,10,1
ALS Vial : 90 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 03:48:02 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1) I	1-bromo-2...	2.420	2.783	280.6E6	733.9E6	5.000m	5.000
27) I	1-bromo-2...	2.420	2.783	278.9E6	733.9E6	5.000m	5.000
33) I	1-bromo-2...	2.420	2.783	284.3E6	733.9E6	5.000m	5.000
	System Monitoring Compounds						
2) SAB	Tetrachlo...	2.974f	3.667	235.1E6	677.2E6	4.342m	3.766
	Spiked Amount	40.000	Range 30 - 150		Recovery =	10.85%#	9.41%#
26) SA	Decachlor...	10.617	12.997	57393472	117.1E6	1.102m	1.151m
	Spiked Amount	40.000			Recovery =	2.76%	2.88%
	Target Compounds						
	SemiQuant Compounds - Not Calibrated on this Instrument						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

7.1.4

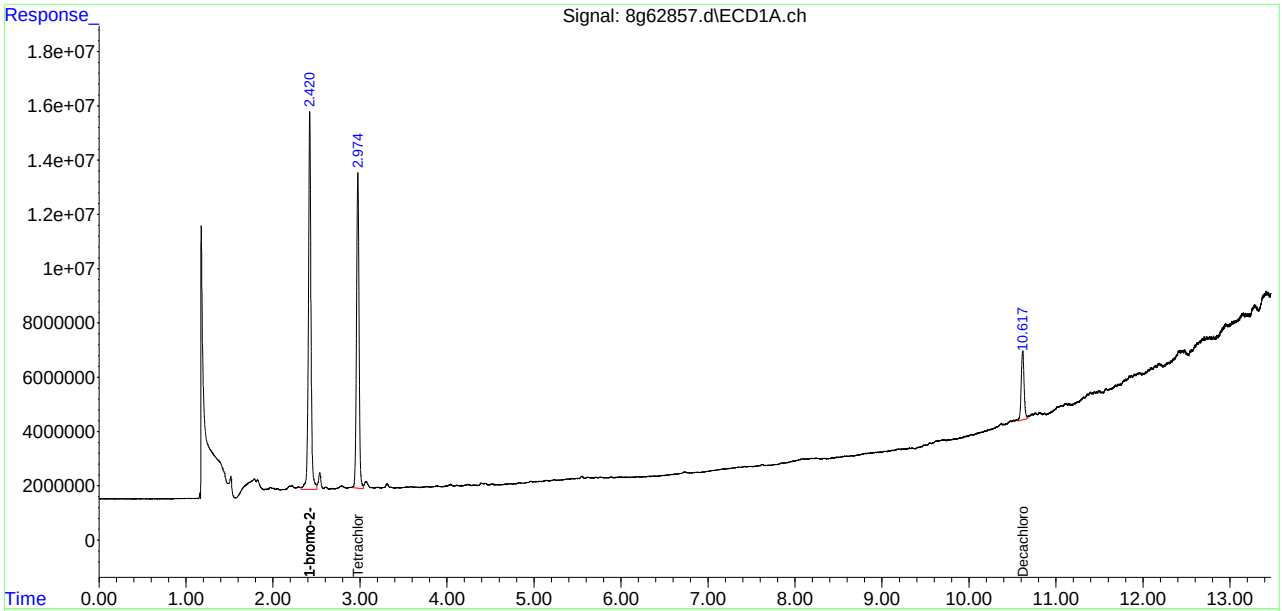
7

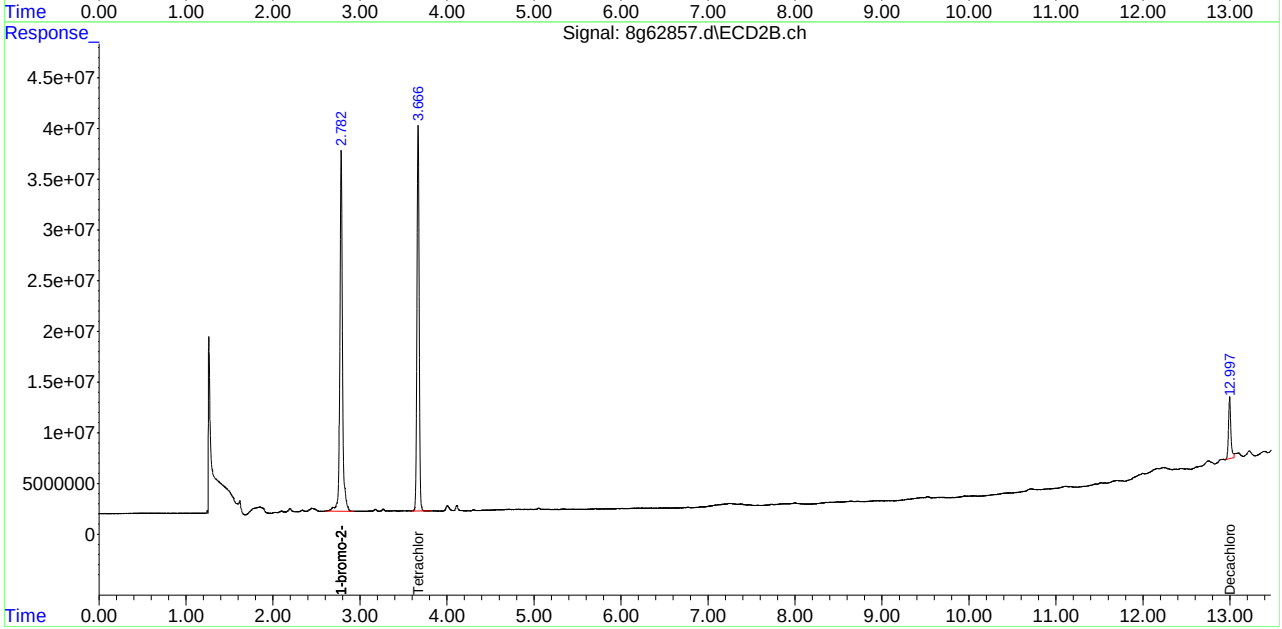
Quantitation Report (QT Reviewed)

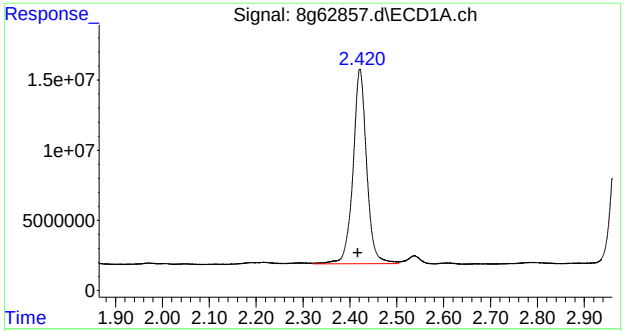
Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62857.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 8:23 pm
Operator : kyrac
Sample : je1296-37r m
Misc : op59852,g8g2704,5.3,,,10,1
ALS Vial : 90 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 03:48:02 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

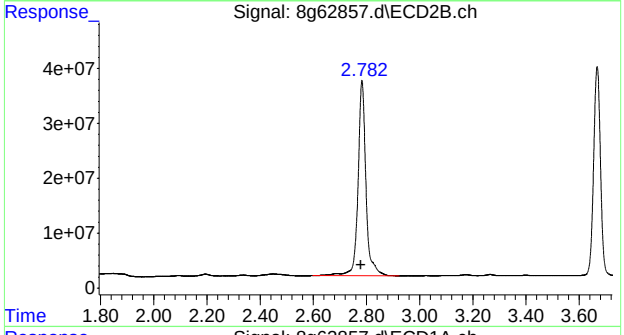






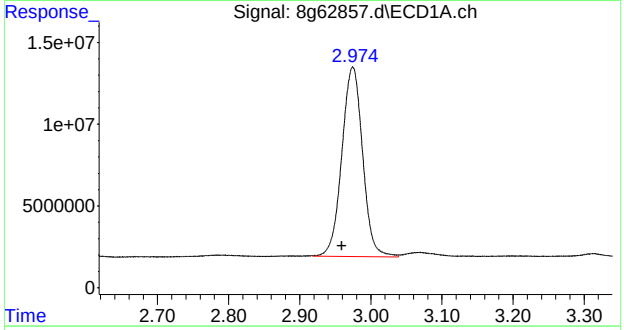
#1 1-bromo-2-nitrobenzene

R.T.: 2.420 min
Delta R.T.: 0.003 min
Response: 280603444
Conc: 5.00 PPB m



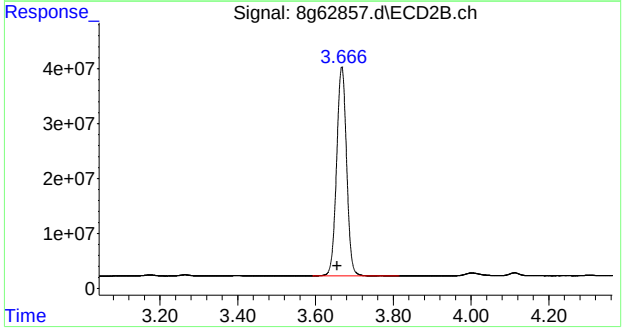
#1 1-bromo-2-nitrobenzene

R.T.: 2.783 min
Delta R.T.: 0.005 min
Response: 733945976
Conc: 5.00 PPB



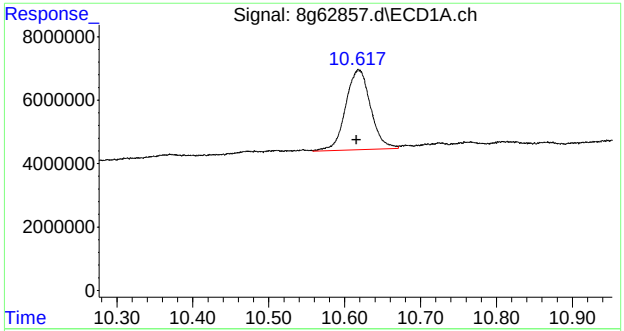
#2 Tetrachloro-m-xylene

R.T.: 2.974 min
Delta R.T.: 0.015 min
Response: 235081993
Conc: 4.34 PPB m



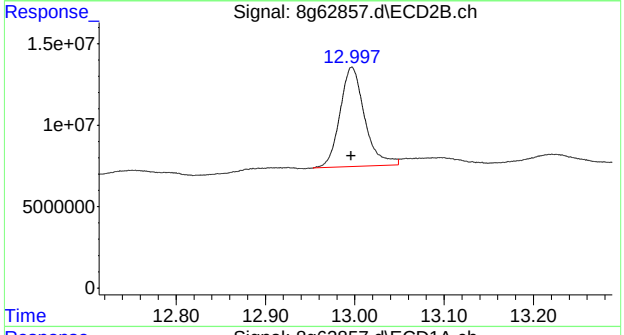
#2 Tetrachloro-m-xylene

R.T.: 3.667 min
Delta R.T.: 0.012 min
Response: 677195025
Conc: 3.77 PPB



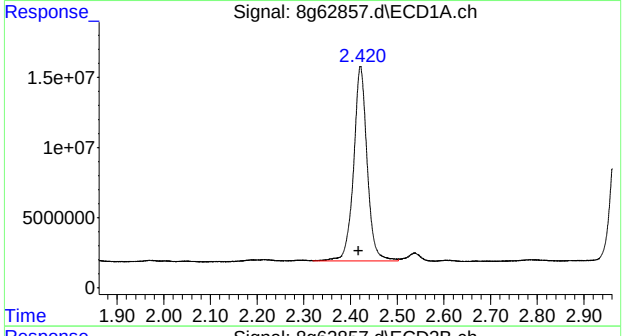
#26 Decachlorobiphenyl

R.T.: 10.617 min
Delta R.T.: 0.002 min
Response: 57393472
Conc: 1.10 PPB m



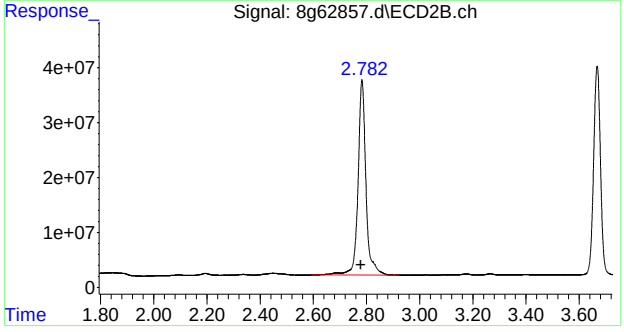
#26 Decachlorobiphenyl

R.T.: 12.997 min
Delta R.T.: 0.000 min
Response: 117082424
Conc: 1.15 PPB m



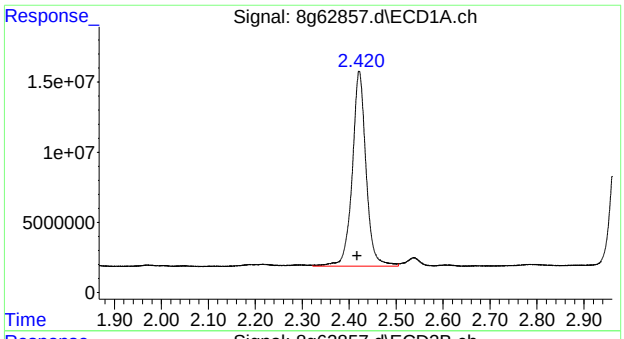
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.420 min
Delta R.T.: 0.004 min
Response: 278941958
Conc: 5.00 PPB m



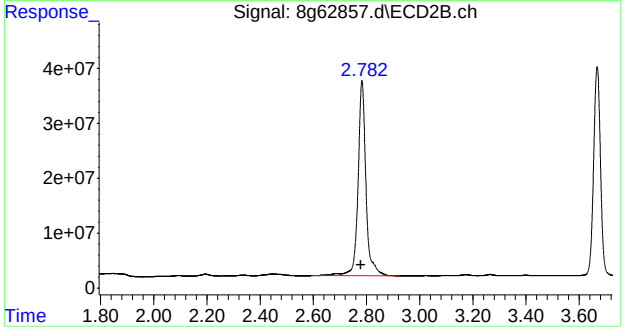
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.783 min
Delta R.T.: 0.005 min
Response: 733945976
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.420 min
Delta R.T.: 0.004 min
Response: 284324690
Conc: 5.00 PPB m



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.783 min
Delta R.T.: 0.005 min
Response: 733945976
Conc: 5.00 PPB

Manual Integration Approval Summary

Sample Number: JE1296-37R
Lab FileID: 8G62857.D
Injection Time: 12/04/24 20:23
Method: SW846 8081B
Analyst approved: 12/05/24 18:31 Gwendolyn Burns
Supervisor approved: 12/05/24 19:17 Gwendolyn Burns

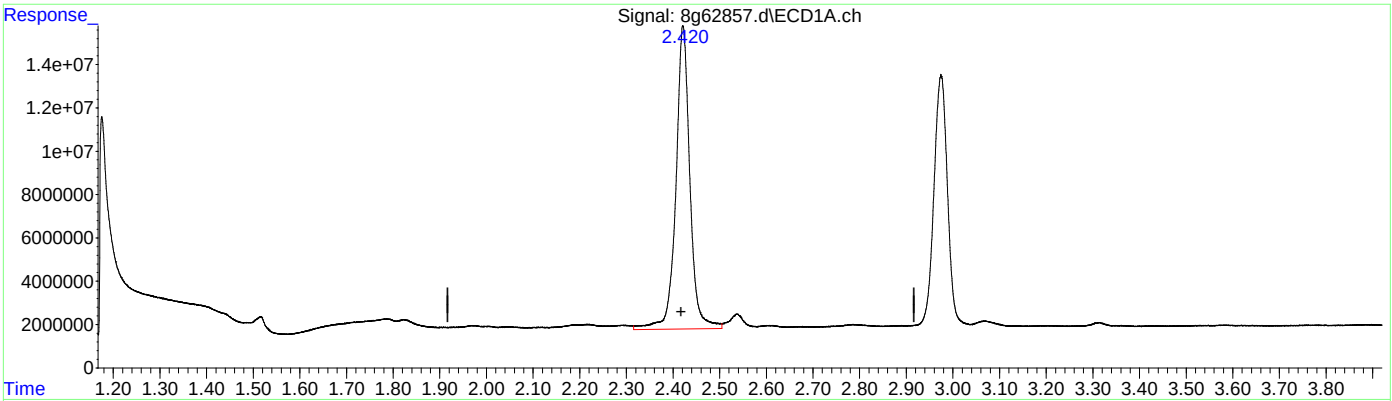
Parameter	CAS	Sig#	R.T. (min.)	Reason
1-Bromo-2-nitrobenzene	577-19-5	1	2.42	Poorly defined baseline
Tetrachloro-m-xylene	877-09-8	1	2.97	Poorly defined baseline
Decachlorobiphenyl	2051-24-3	1	10.62	Poorly defined baseline
Decachlorobiphenyl	2051-24-3	2	13.00	Poorly defined baseline

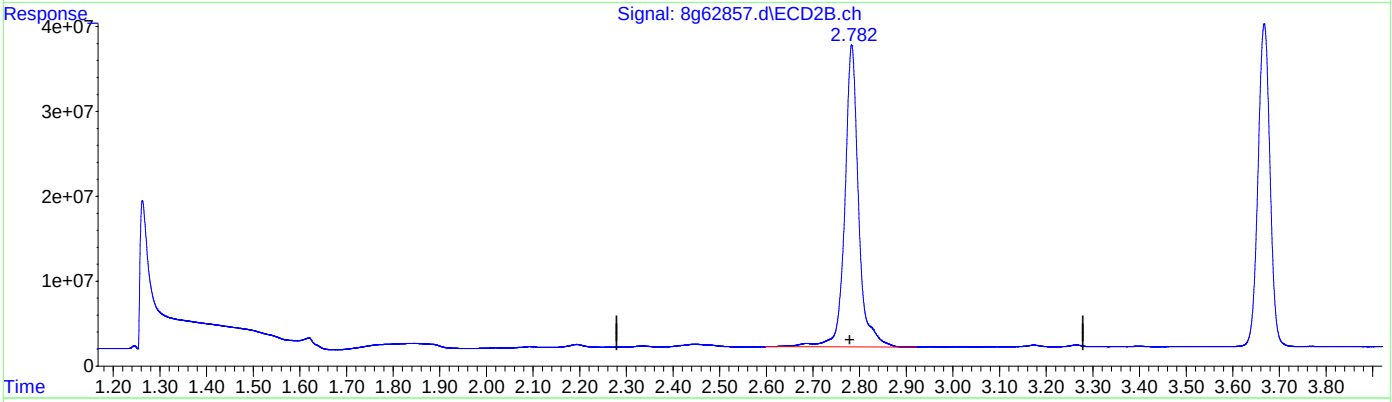
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62857.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 8:23 pm
Operator : kyrac
Sample : je1296-37r m
Misc : op59852,g8g2704,5.3,,,10,1
ALS Vial : 90 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:21:31 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(1) 1-bromo-2-nitrobenzene (I)

2.422min 5.000 PPB

response 294046458

(1) 1-bromo-2-nitrobenzene #2 (I)

2.783min 5.000 PPB

response 733945976

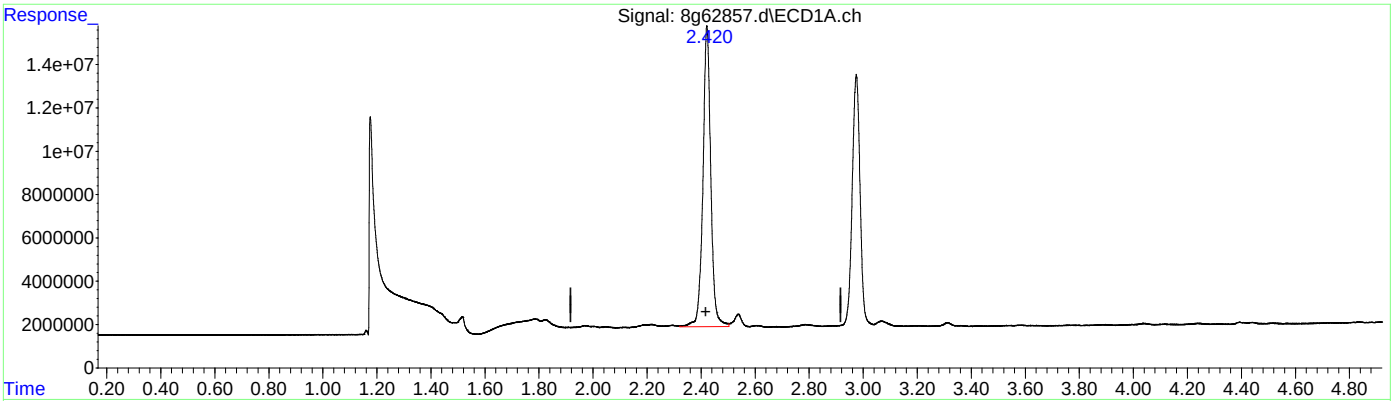
(+) = Expected Retention Time

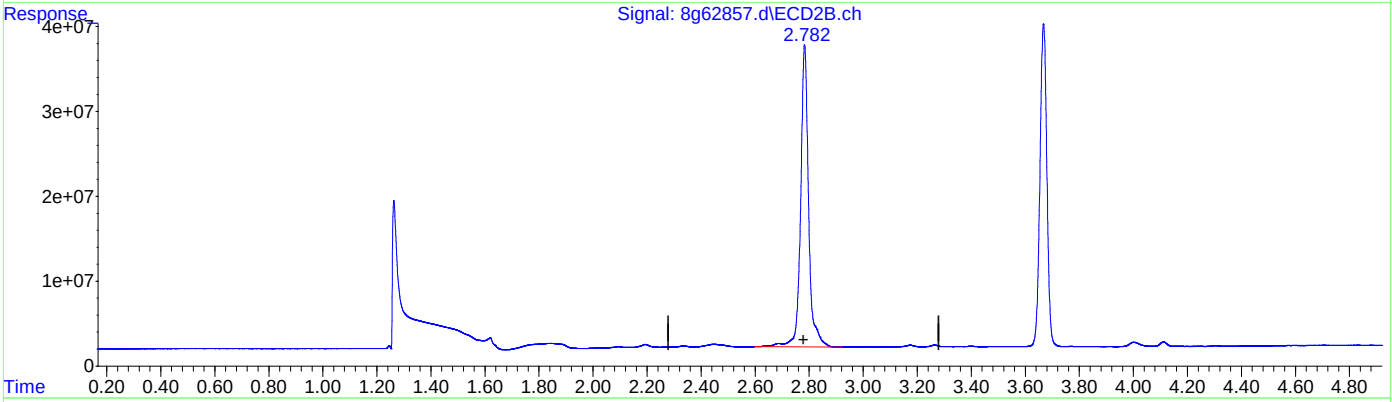
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62857.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 8:23 pm
Operator : kyrac
Sample : je1296-37r m
Misc : op59852,g8g2704,5.3,,,10,1
ALS Vial : 90 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:21:31 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(1) 1-bromo-2-nitrobenzene (I)

2.420min 5.000 PPB m

response 280603444

(1) 1-bromo-2-nitrobenzene #2 (I)

2.783min 5.000 PPB

response 733945976

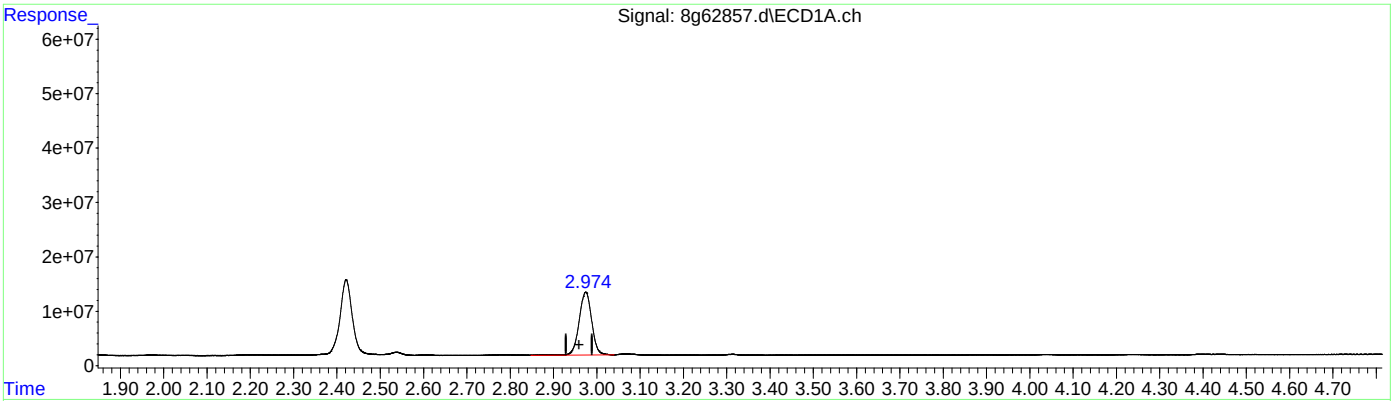
(+) = Expected Retention Time

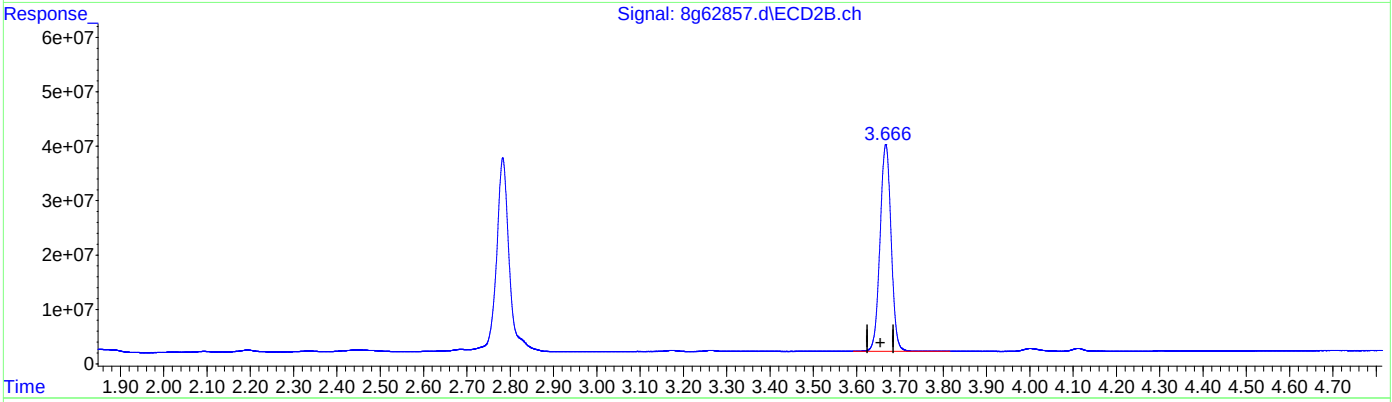
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62857.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 8:23 pm
Operator : kyrac
Sample : je1296-37r m
Misc : op59852,g8g2704,5.3,,,10,1
ALS Vial : 90 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:21:31 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(2) Tetrachloro-m-xylene (SAB)

2.974min 4.262 PPB

response 230737901

(2) Tetrachloro-m-xylene #2 (SAB)

3.667min 3.766 PPB

response 677195025

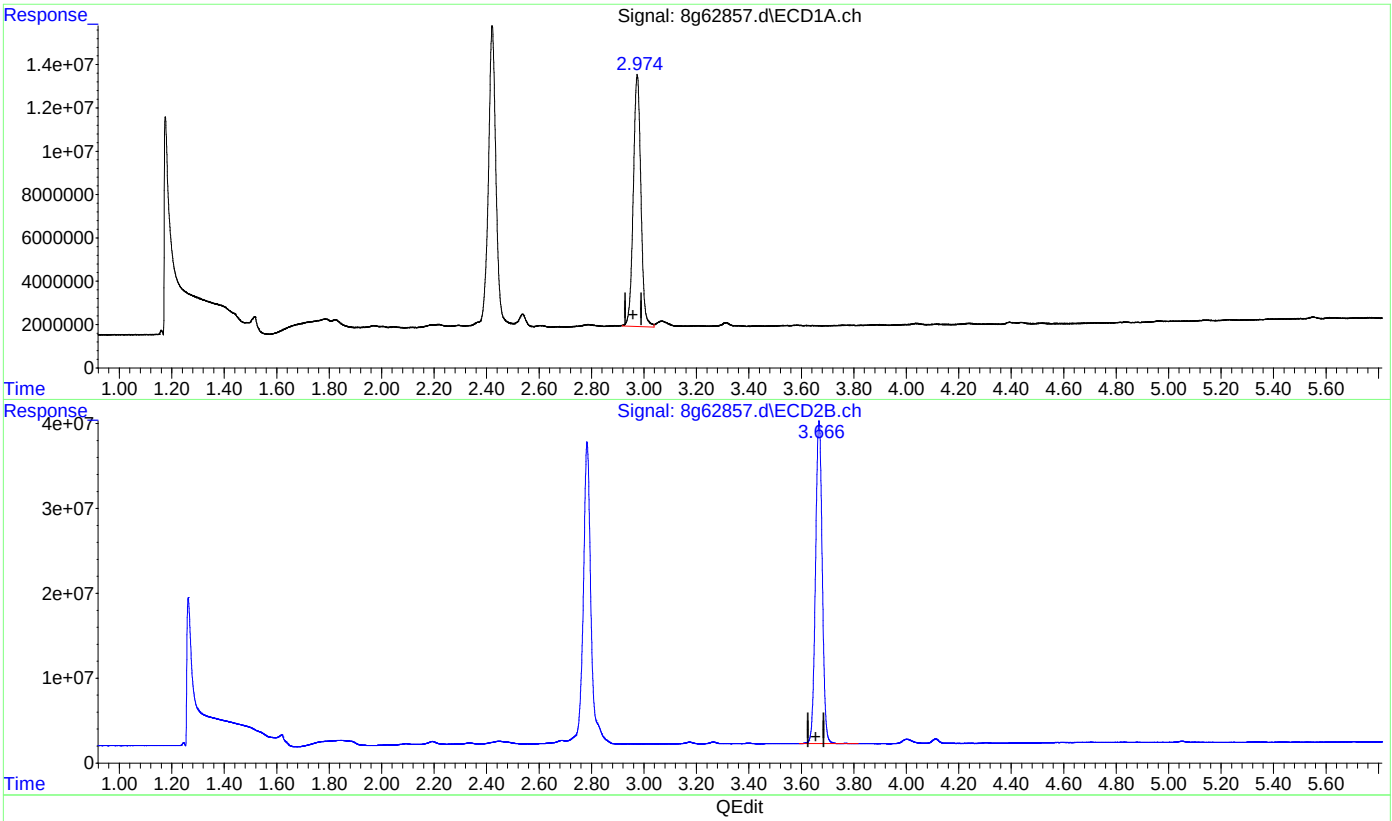
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62857.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 8:23 pm
Operator : kyrac
Sample : je1296-37r m
Misc : op59852,g8g2704,5.3,,,10,1
ALS Vial : 90 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:21:31 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(2) Tetrachloro-m-xylene (SAB)

2.974min 4.342 PPB m

response 235081993

(2) Tetrachloro-m-xylene #2 (SAB)

3.667min 3.766 PPB

response 677195025

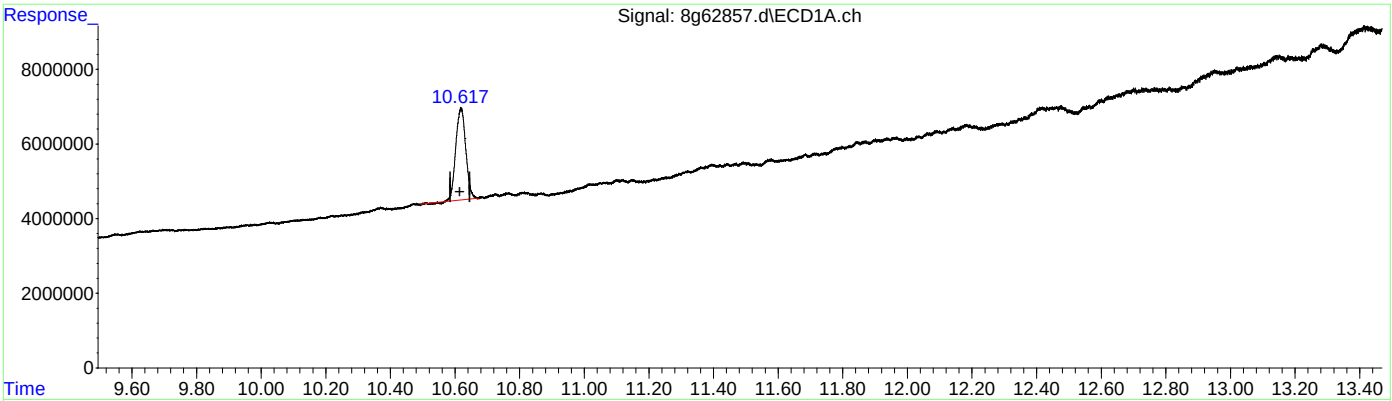
(+) = Expected Retention Time

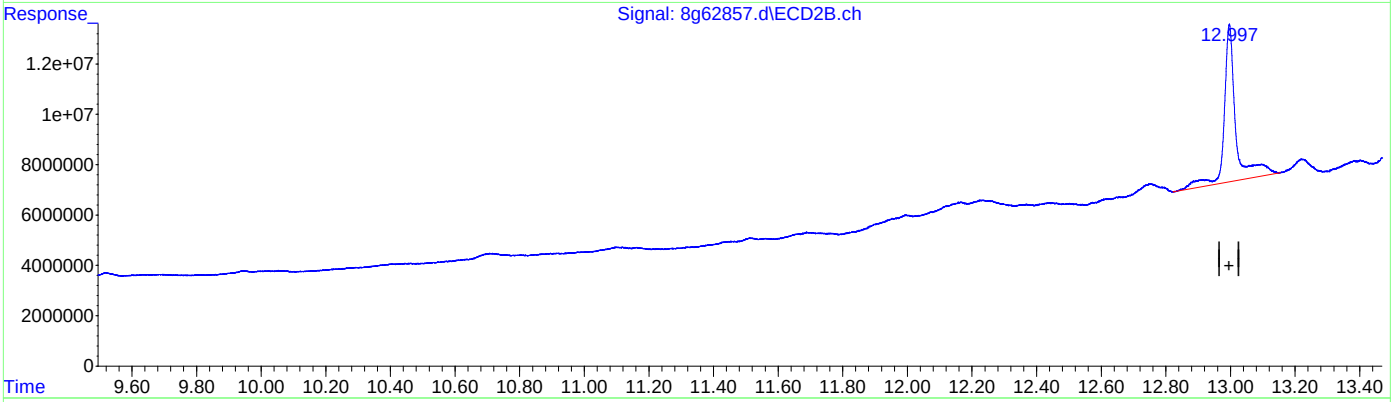
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62857.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 8:23 pm
Operator : kyrac
Sample : je1296-37r m
Misc : op59852,g8g2704,5.3,,,10,1
ALS Vial : 90 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:21:31 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(26) Decachlorobiphenyl (SA)

10.618min 1.008 PPB

response 52519490

(26) Decachlorobiphenyl #2 (SA)

12.997min 1.549 PPB

response 157568494

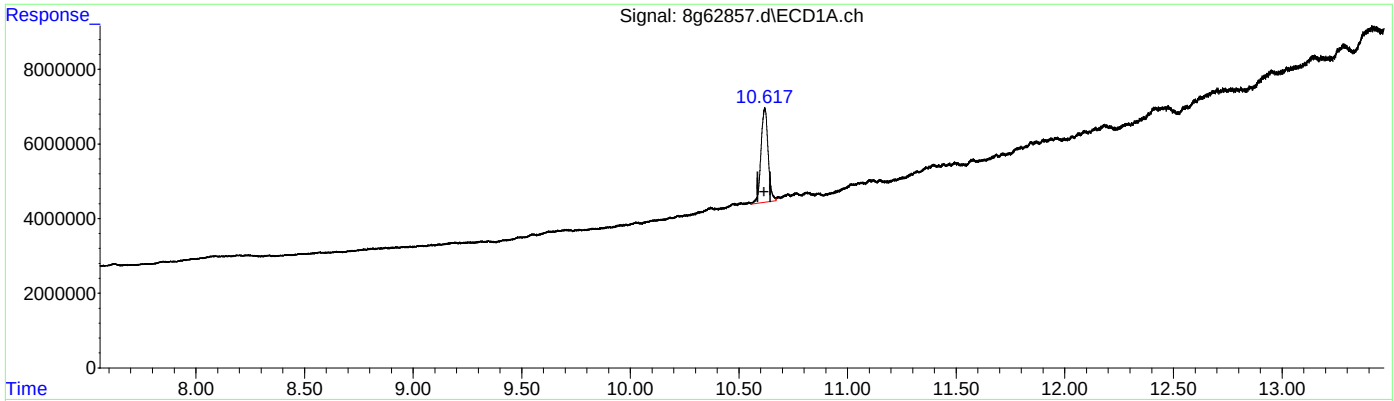
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 03:47:36 2024

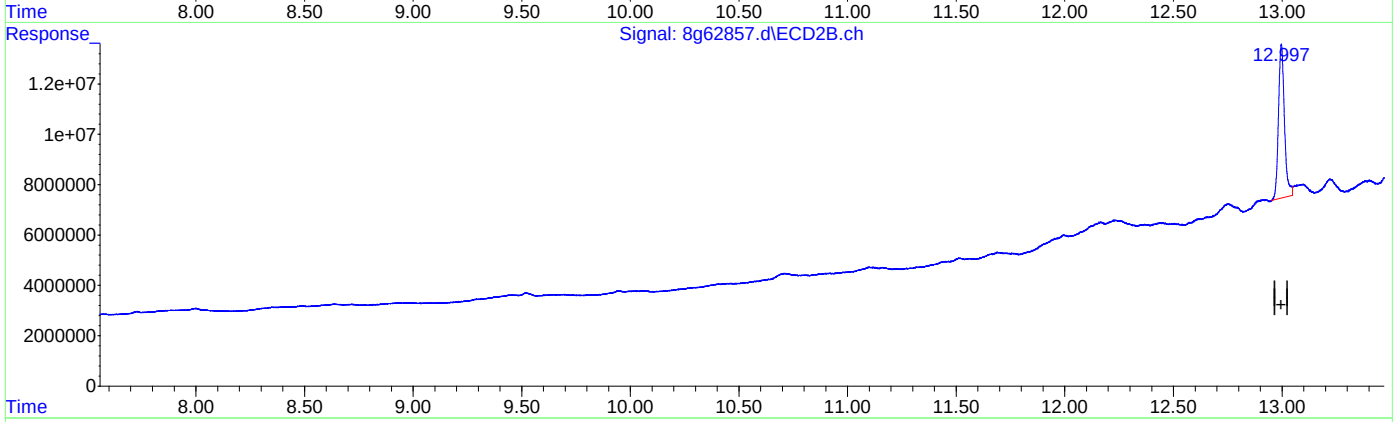
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62857.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 8:23 pm
Operator : kyrac
Sample : je1296-37r m
Misc : op59852,g8g2704,5.3,,,10,1
ALS Vial : 90 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:21:31 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(26) Decachlorobiphenyl (SA)

10.617min 1.102 PPB m

response 57393472

(26) Decachlorobiphenyl #2 (SA)

12.997min 1.151 PPB m

response 117082424

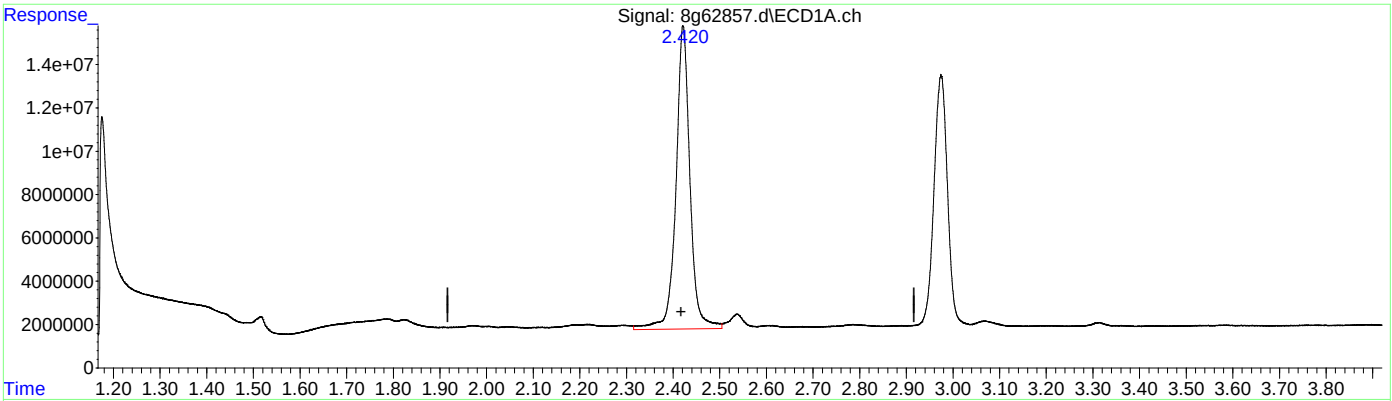
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 03:47:48 2024

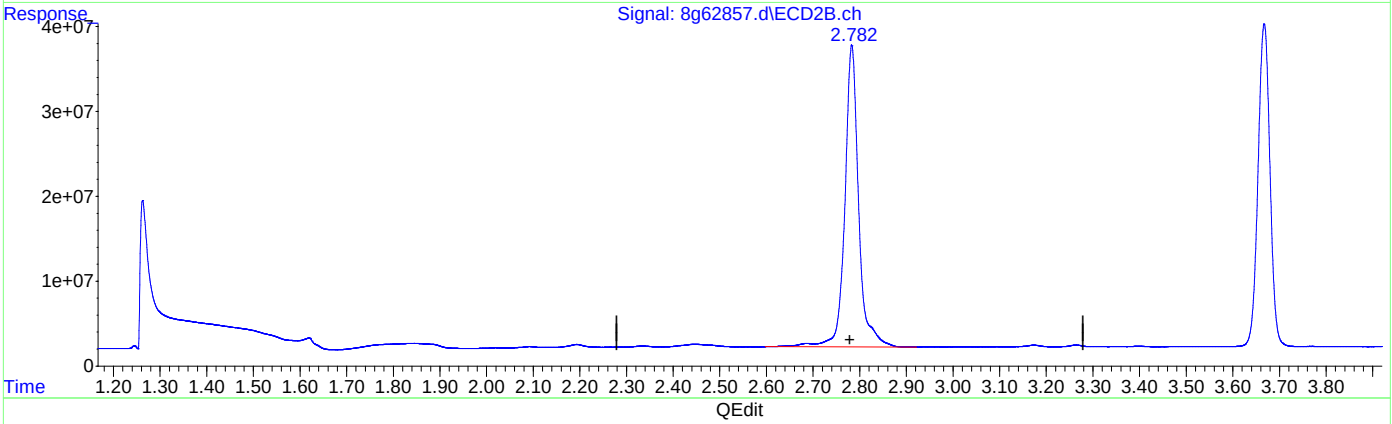
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62857.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 8:23 pm
Operator : kyrac
Sample : je1296-37r m
Misc : op59852,g8g2704,5.3,,,10,1
ALS Vial : 90 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:21:31 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(27) 1-bromo-2-nitrobenzeneA (I)

2.422min 5.000 PPB

response 294046458

(27) 1-bromo-2-nitrobenzeneA #2 (I)

2.783min 5.000 PPB

response 733945976

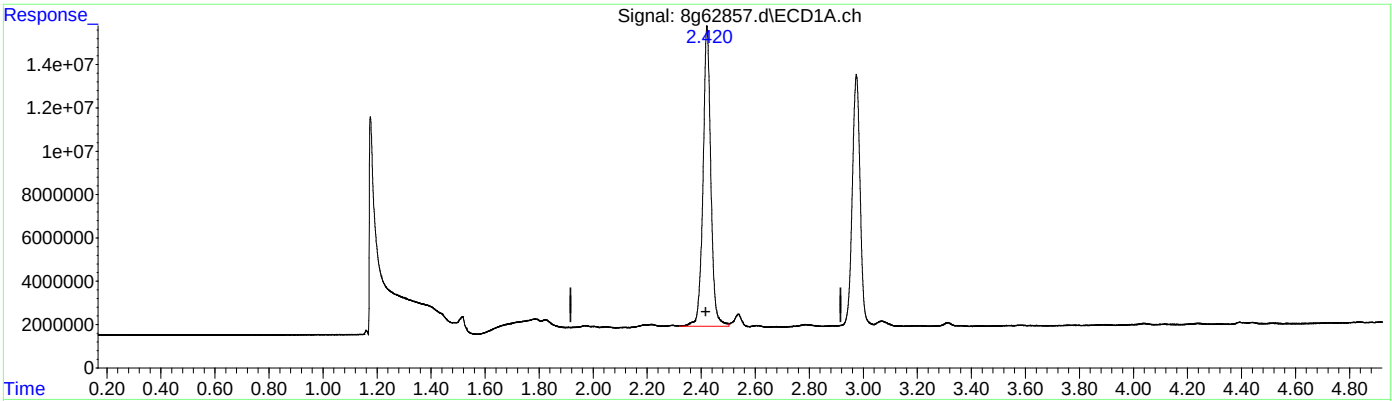
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 03:47:50 2024

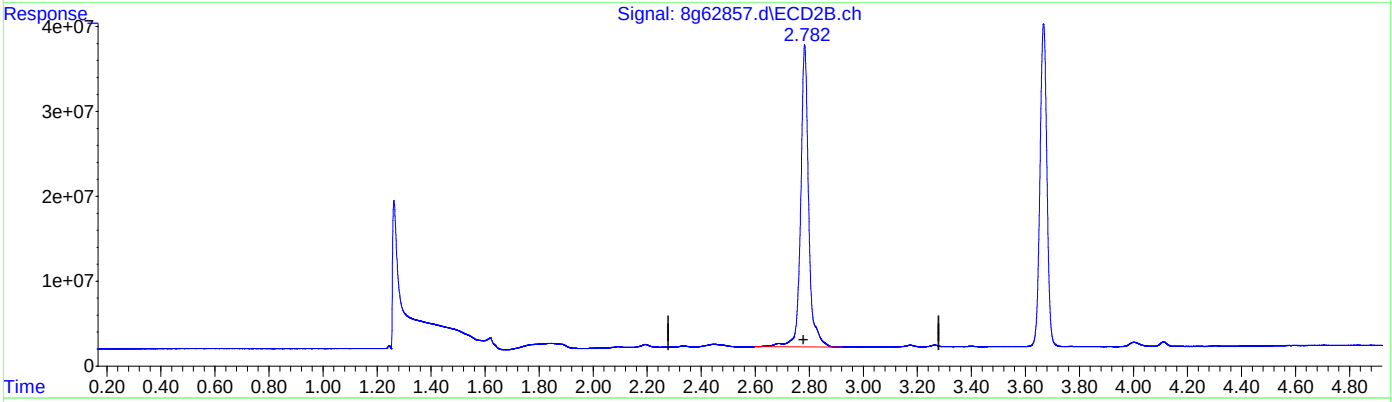
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62857.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 8:23 pm
Operator : kyrac
Sample : je1296-37r m
Misc : op59852,g8g2704,5.3,,,10,1
ALS Vial : 90 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:21:31 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(27) 1-bromo-2-nitrobenzeneA (I)

2.420min 5.000 PPB m

response 278941958

(27) 1-bromo-2-nitrobenzeneA #2 (I)

2.783min 5.000 PPB

response 733945976

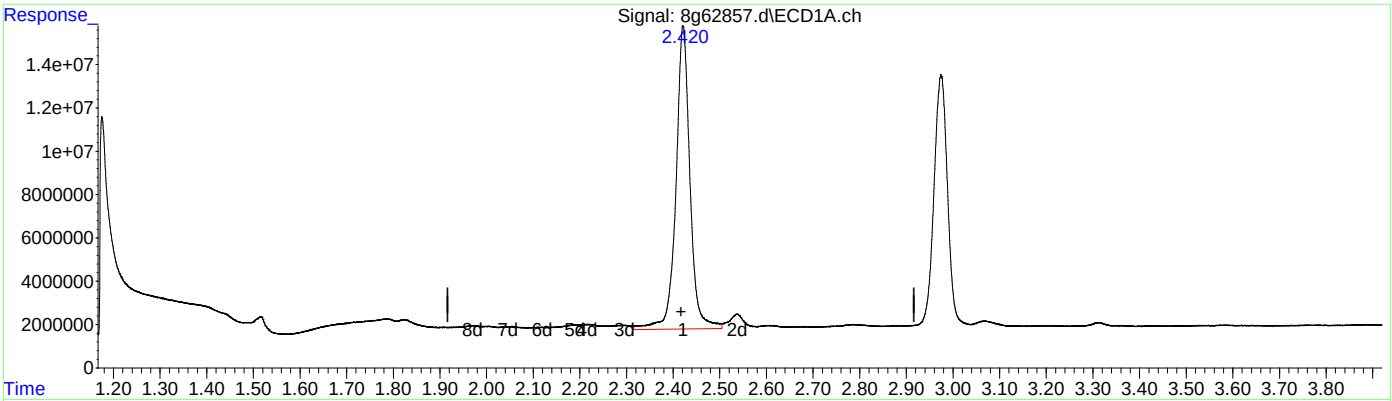
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 03:47:54 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62857.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 8:23 pm
Operator : kyrac
Sample : je1296-37r m
Misc : op59852,g8g2704,5.3,,,10,1
ALS Vial : 90 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:21:31 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(33) 1-bromo-2-nitrobenzeneB (I)

2.422min 5.000 PPB

response 294046458

(33) 1-bromo-2-nitrobenzeneB #2 (I)

2.783min 5.000 PPB

response 733945976

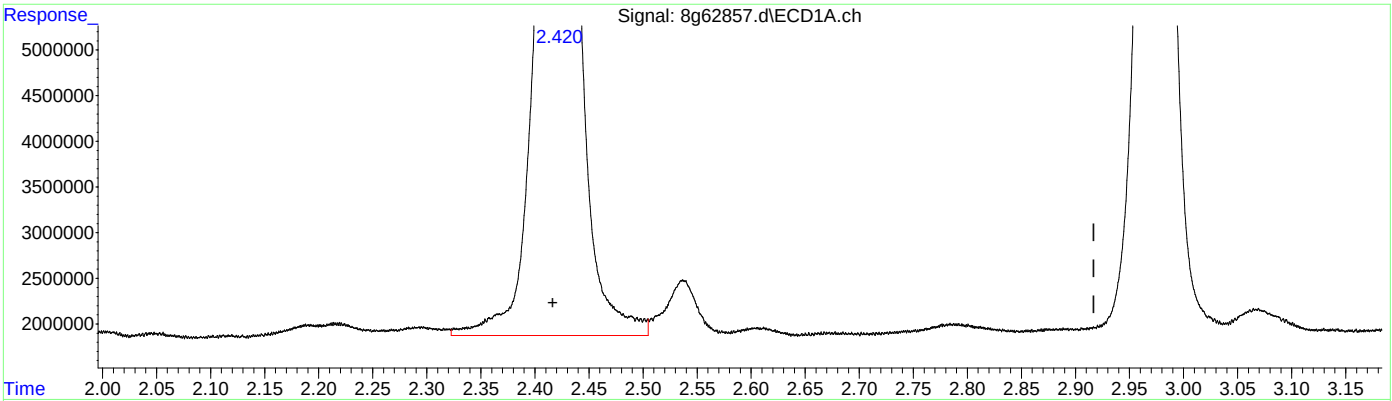
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 03:47:57 2024

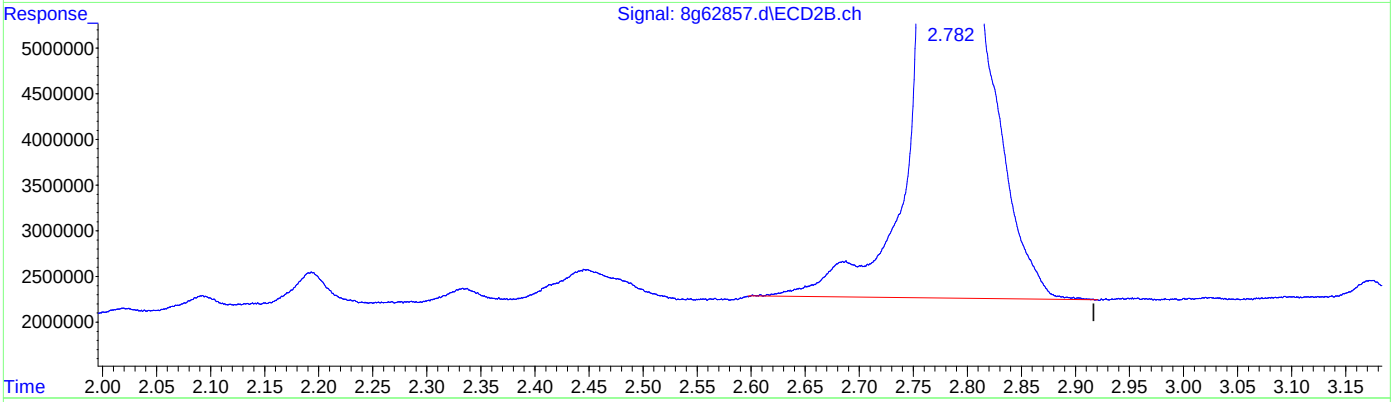
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62857.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 8:23 pm
Operator : kyrac
Sample : je1296-37r m
Misc : op59852,g8g2704,5.3,,,10,1
ALS Vial : 90 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:21:31 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(33) 1-bromo-2-nitrobenzeneB (I)

2.420min 5.000 PPB m

response 284324690

(33) 1-bromo-2-nitrobenzeneB #2 (I)

2.783min 5.000 PPB

response 733945976

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2700\
Data File : 8g62769.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 3:07 am
Operator : christp
Sample : op59833-mb1 m
Misc : op59833,g8g2700,5.0,,,10,1
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 17:52:10 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1) I	1-bromo-2...	2.405	2.769	338.7E6	765.9E6	5.000	5.000
27) I	1-bromo-2...	2.405	2.769	338.7E6	765.9E6	5.000	5.000
33) I	1-bromo-2...	2.405	2.769	338.7E6	765.9E6	5.000	5.000
	System Monitoring Compounds						
2) SAB	Tetrachlo...	2.953	3.651	252.6E6	624.7E6	3.865	3.329
	Spiked Amount 40.000	Range 30 - 150		Recovery =		9.66%#	8.32%#
26) SA	Decachlor...	10.616	12.997	259.4E6	344.2E6	4.126	3.243
	Spiked Amount 40.000			Recovery =		10.32%	8.11%
	Target Compounds						
	SemiQuant Compounds - Not Calibrated on this Instrument						

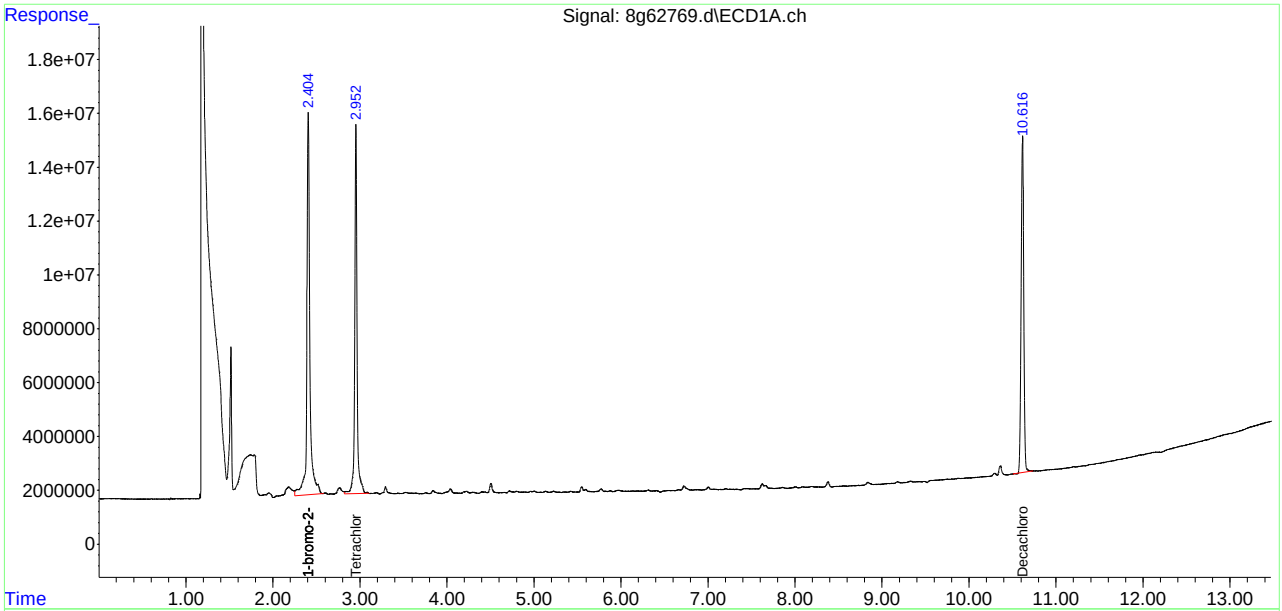
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

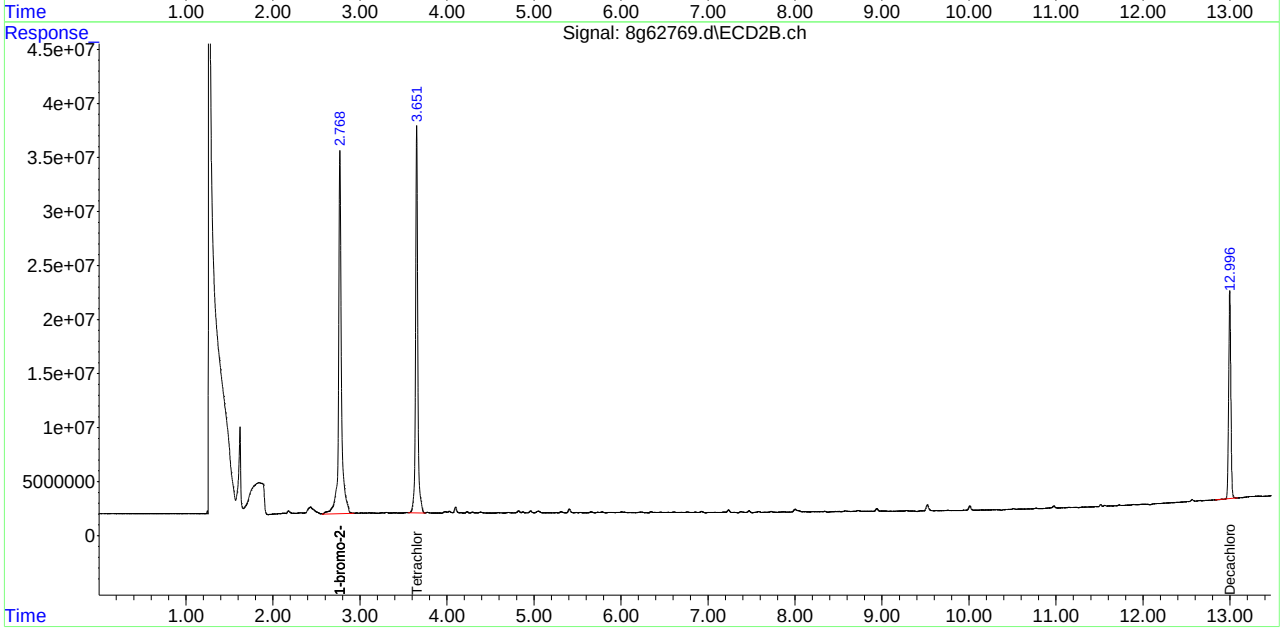
Quantitation Report (QT Reviewed)

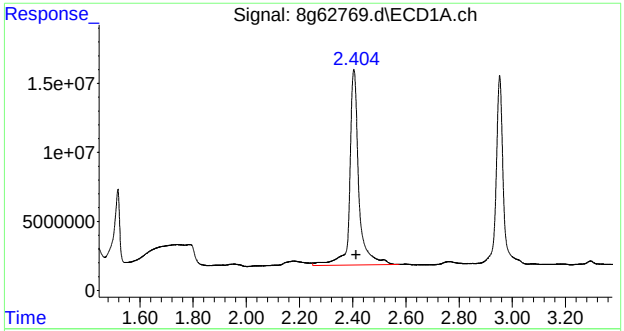
Data Path : C:\msdchem\1\data\g8g2700\
Data File : 8g62769.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 3:07 am
Operator : christp
Sample : op59833-mb1 m
Misc : op59833,g8g2700,5.0,,,10,1
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 17:52:10 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

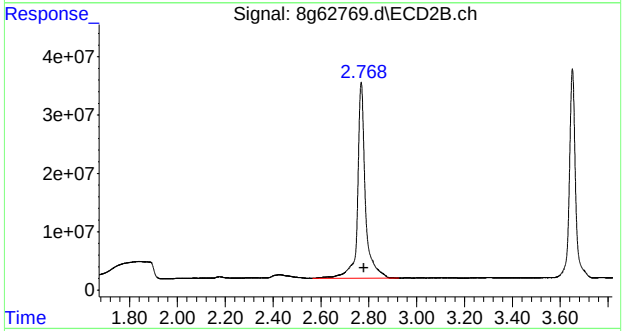






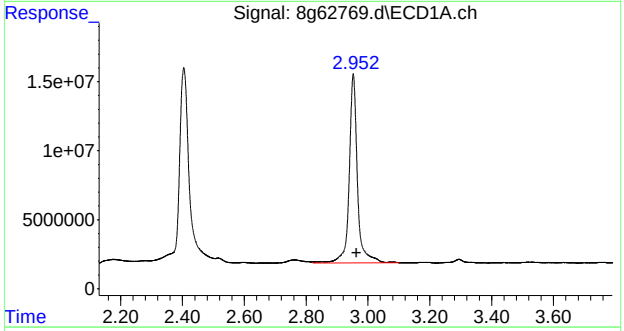
#1 1-bromo-2-nitrobenzene

R.T.: 2.405 min
Delta R.T.: -0.008 min
Response: 338702034
Conc: 5.00 PPB



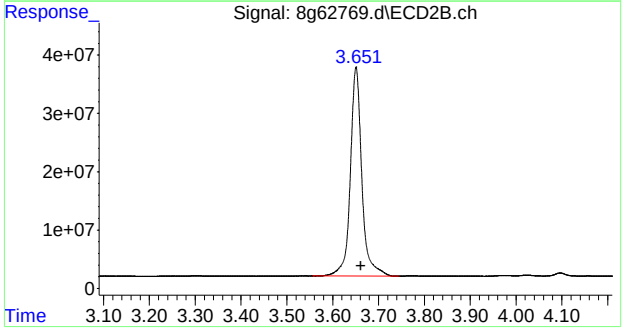
#1 1-bromo-2-nitrobenzene

R.T.: 2.769 min
Delta R.T.: -0.009 min
Response: 765887546
Conc: 5.00 PPB



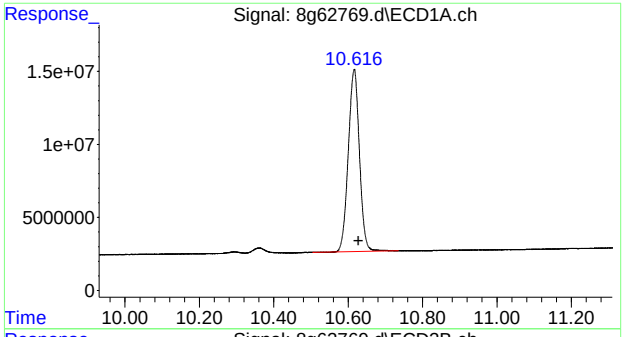
#2 Tetrachloro-m-xylene

R.T.: 2.953 min
Delta R.T.: -0.010 min
Response: 252553738
Conc: 3.86 PPB



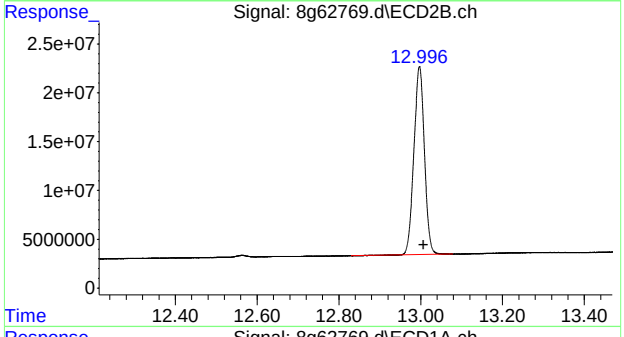
#2 Tetrachloro-m-xylene

R.T.: 3.651 min
Delta R.T.: -0.010 min
Response: 624674573
Conc: 3.33 PPB



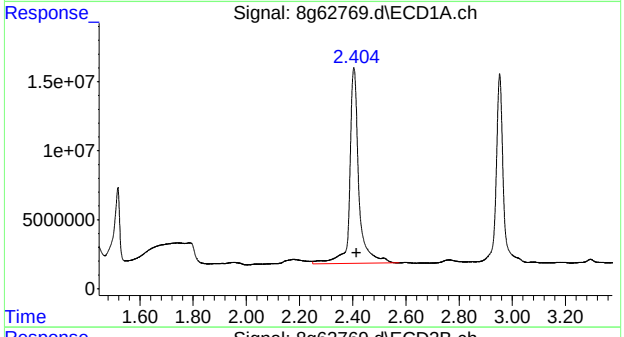
#26 Decachlorobiphenyl

R.T.: 10.616 min
Delta R.T.: -0.011 min
Response: 259354452
Conc: 4.13 PPB



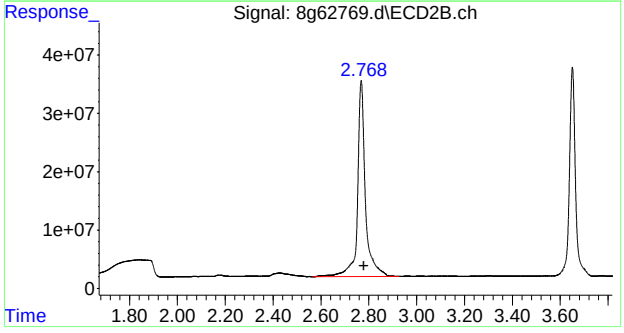
#26 Decachlorobiphenyl

R.T.: 12.997 min
Delta R.T.: -0.010 min
Response: 344241065
Conc: 3.24 PPB



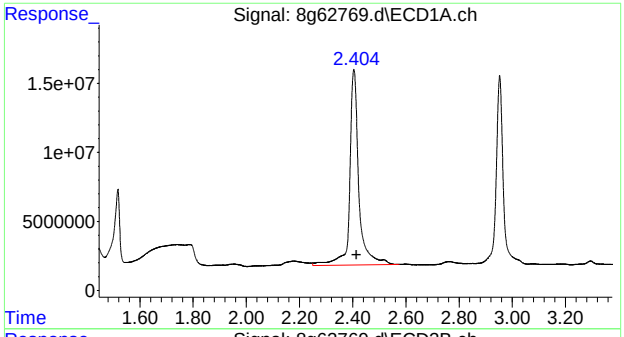
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.405 min
Delta R.T.: -0.009 min
Response: 338702034
Conc: 5.00 PPB



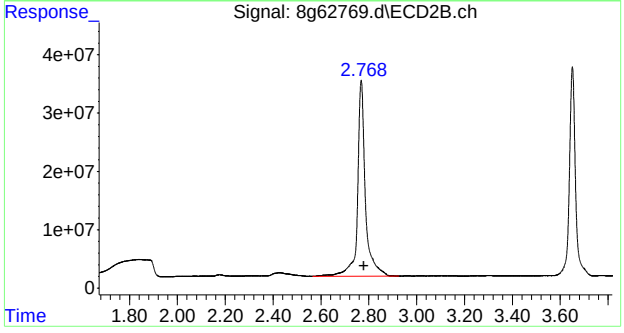
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.769 min
Delta R.T.: -0.009 min
Response: 765887546
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.405 min
Delta R.T.: -0.009 min
Response: 338702034
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.769 min
Delta R.T.: -0.009 min
Response: 765887546
Conc: 5.00 PPB

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 12/05/24 08:41

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62847.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 4:11 pm
Operator : kyrac
Sample : op59852-mb1 m
Misc : op59852,g8g2704,5.0,,,10,1
ALS Vial : 80 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:28:06 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1) I	1-bromo-2...	2.417	2.778	337.5E6	783.7E6	5.000	5.000
27) I	1-bromo-2...	2.417	2.778	337.5E6	783.7E6	5.000	5.000
33) I	1-bromo-2...	2.417	2.778	337.5E6	783.7E6	5.000	5.000
	System Monitoring Compounds						
2) SAB	Tetrachlo...	2.959	3.655	270.5E6	706.4E6	4.155	3.679
	Spiked Amount 40.000	Range 30 - 150		Recovery =		10.39%#	9.20%#
26) SA	Decachlor...	10.612	12.993	215.4E6	308.1E6	3.439m	2.837m
	Spiked Amount 40.000			Recovery =		8.60%	7.09%
	Target Compounds						
	SemiQuant Compounds - Not Calibrated on this Instrument						

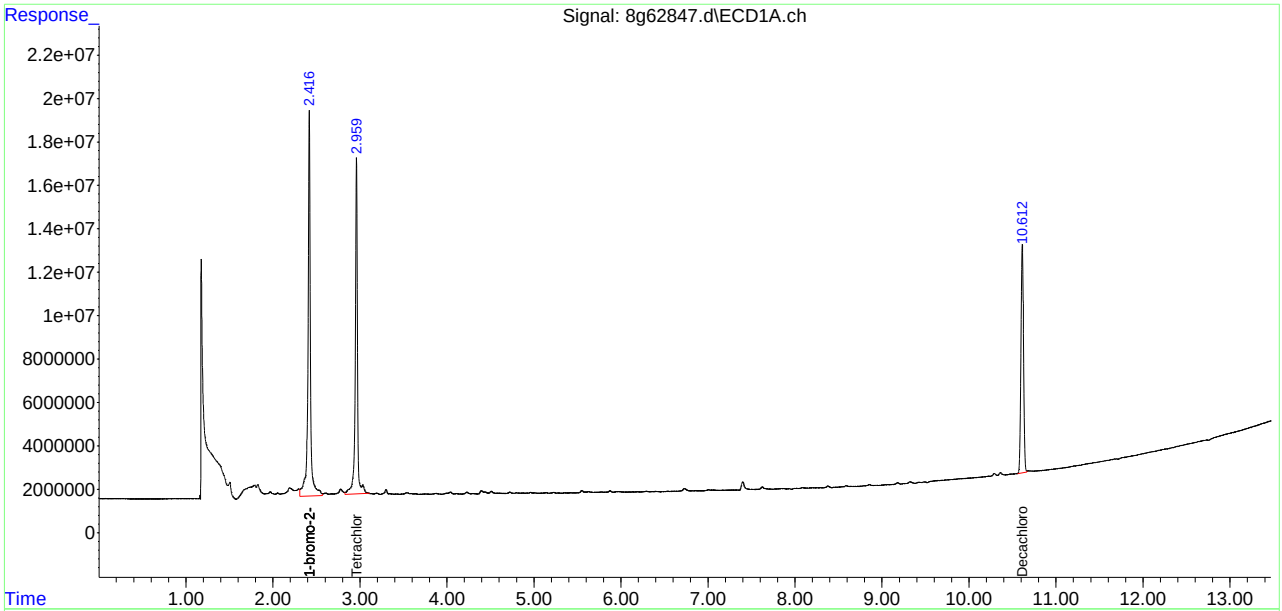
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

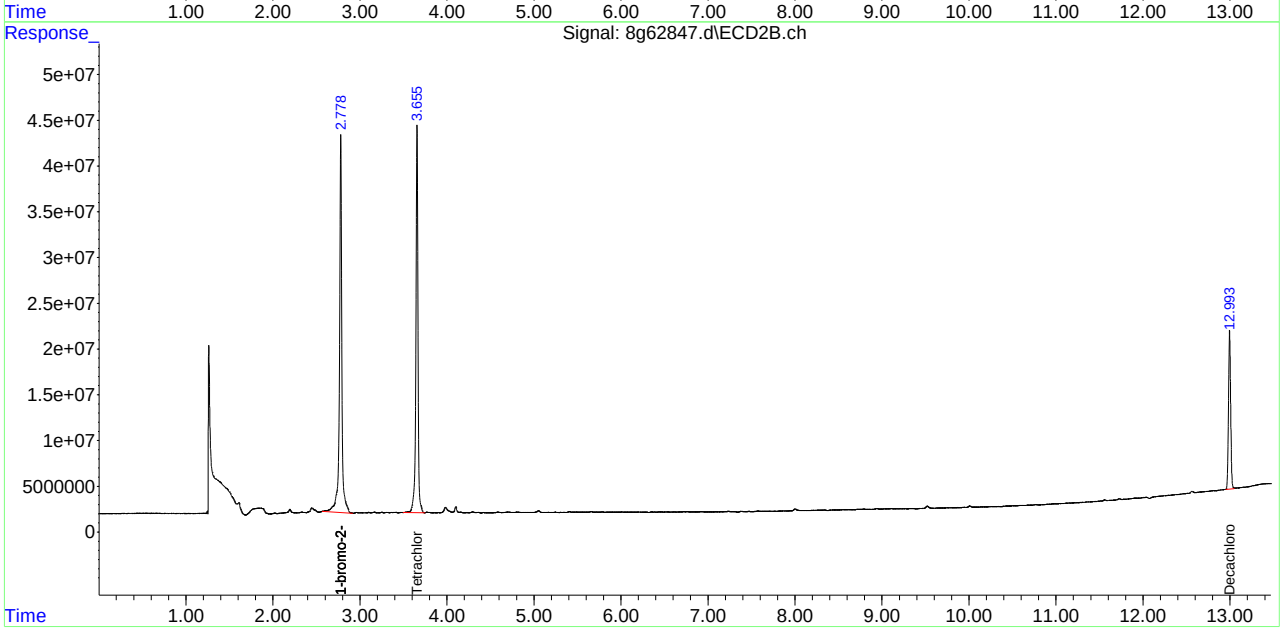
Quantitation Report (QT Reviewed)

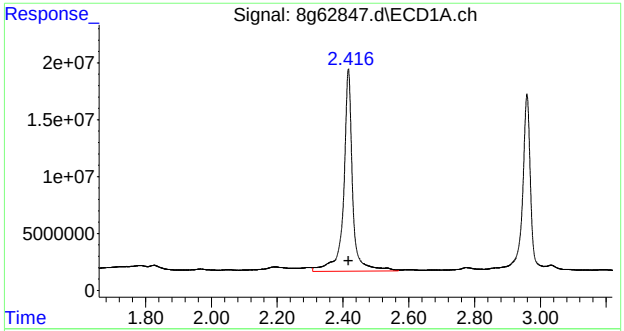
Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62847.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 4:11 pm
Operator : kyrac
Sample : op59852-mb1 m
Misc : op59852,g8g2704,5.0,,,10,1
ALS Vial : 80 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:28:06 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

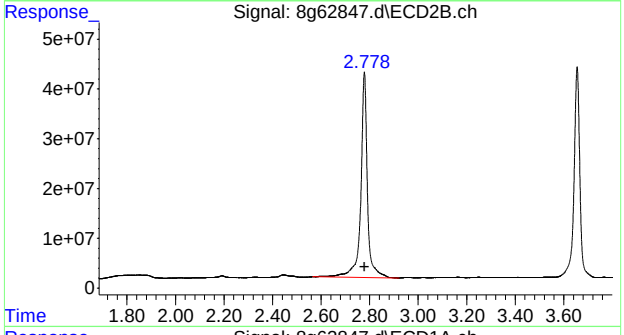






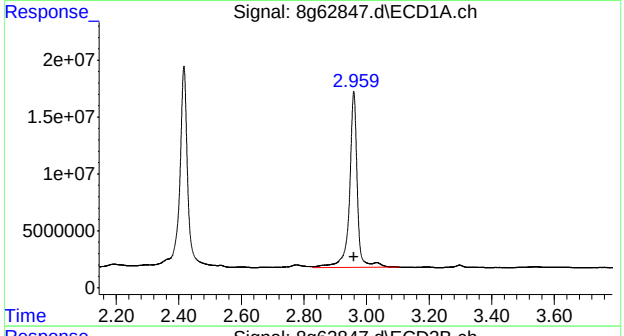
#1 1-bromo-2-nitrobenzene

R.T.: 2.417 min
Delta R.T.: 0.000 min
Response: 337499752
Conc: 5.00 PPB



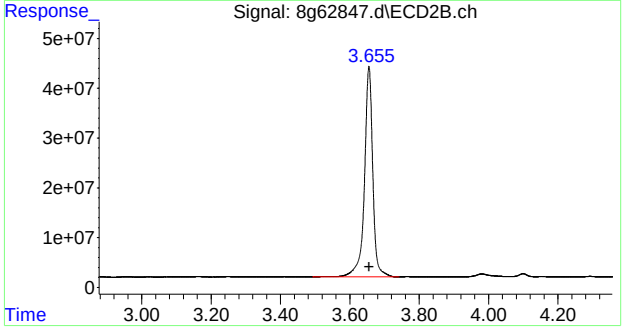
#1 1-bromo-2-nitrobenzene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 783732030
Conc: 5.00 PPB



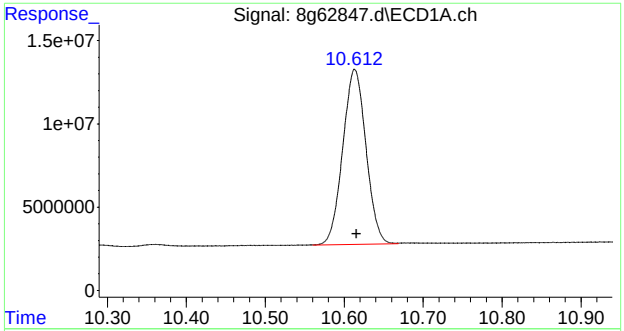
#2 Tetrachloro-m-xylene

R.T.: 2.959 min
Delta R.T.: 0.000 min
Response: 270531228
Conc: 4.15 PPB



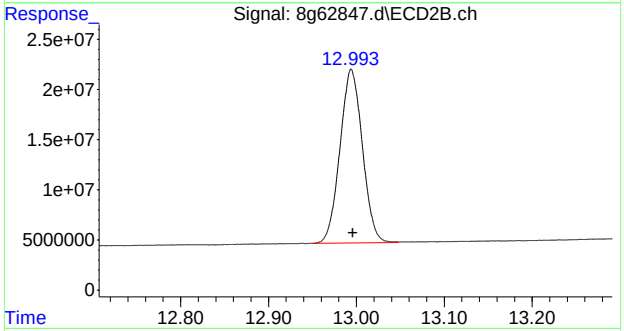
#2 Tetrachloro-m-xylene

R.T.: 3.655 min
Delta R.T.: 0.000 min
Response: 706448470
Conc: 3.68 PPB



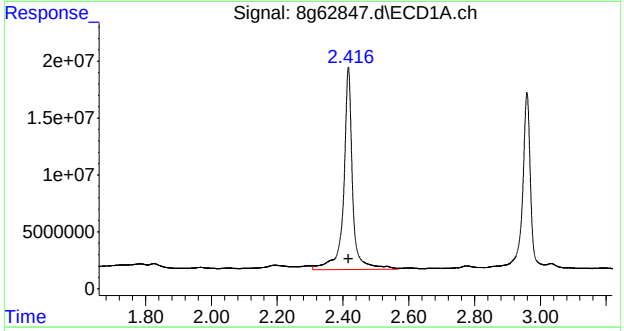
#26 Decachlorobiphenyl

R.T.: 10.612 min
Delta R.T.: -0.003 min
Response: 215410571
Conc: 3.44 PPB m



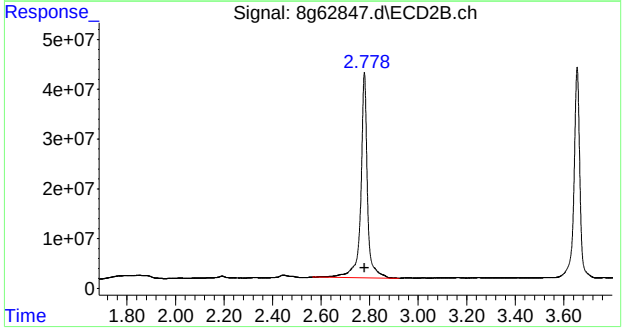
#26 Decachlorobiphenyl

R.T.: 12.993 min
Delta R.T.: -0.002 min
Response: 308127651
Conc: 2.84 PPB m



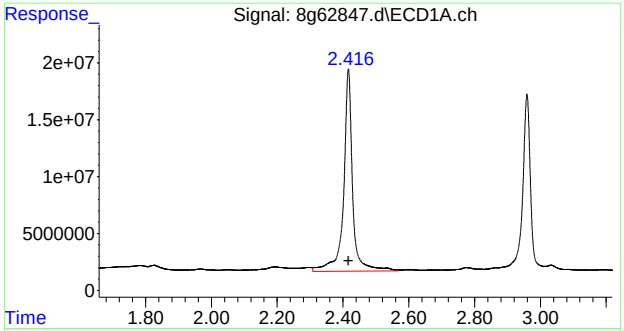
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.417 min
Delta R.T.: 0.000 min
Response: 337499752
Conc: 5.00 PPB



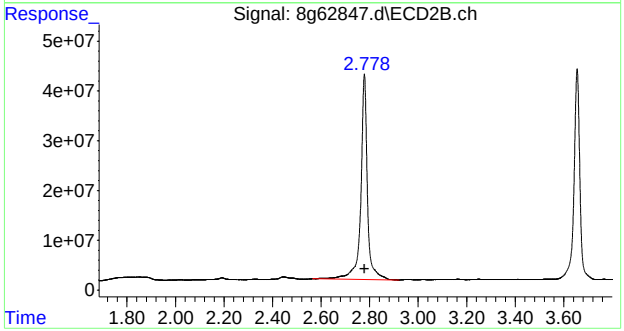
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 783732030
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.417 min
Delta R.T.: 0.000 min
Response: 337499752
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 783732030
Conc: 5.00 PPB

Manual Integration Approval Summary

Sample Number: OP59852-MB1
Lab FileID: 8G62847.D
Injection Time: 12/04/24 16:11
Method: SW846 8081B
Analyst approved: 12/05/24 01:09 Christopher Changho
Supervisor approved: 12/05/24 08:41 Gwendolyn Burns

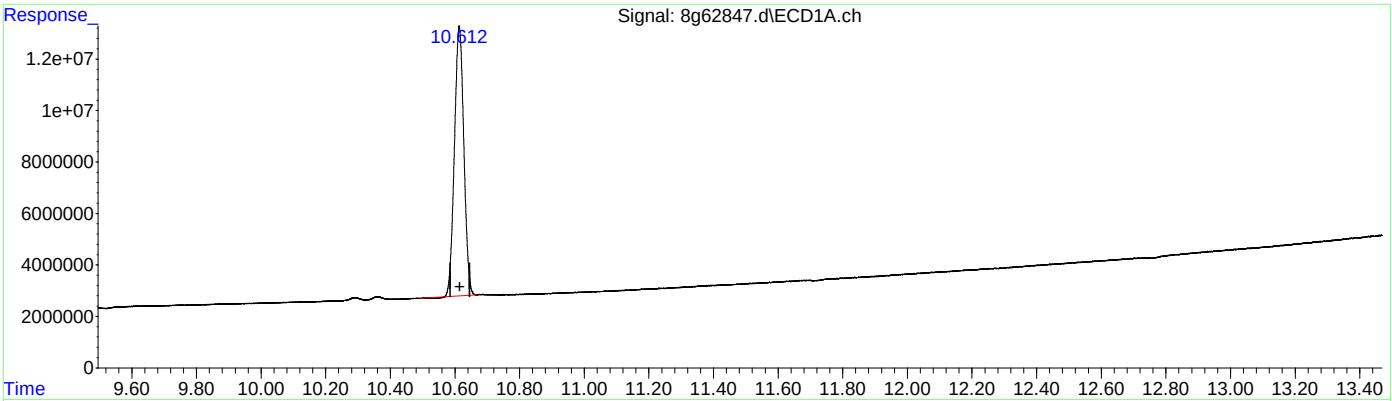
Parameter	CAS	Sig#	R.T. (min.)	Reason
Decachlorobiphenyl	2051-24-3	1	10.61	Poorly defined baseline
Decachlorobiphenyl	2051-24-3	2	12.99	Poorly defined baseline

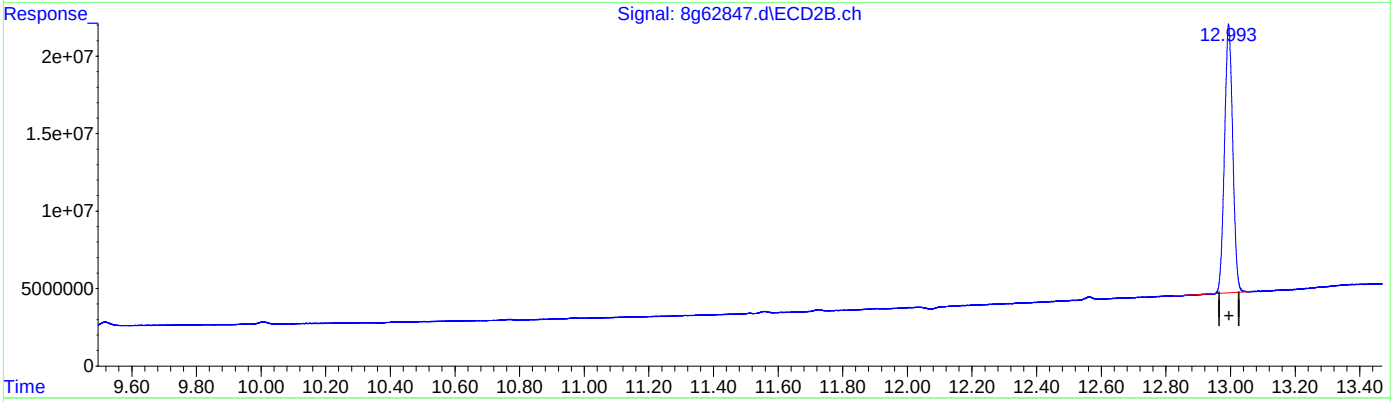
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62847.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 4:11 pm
Operator : kyrac
Sample : op59852-mb1 m
Misc : op59852,g8g2704,5.0,,,10,1
ALS Vial : 80 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:31 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(26) Decachlorobiphenyl (SA)

10.613min 3.388 PPB

response 212254160

(26) Decachlorobiphenyl #2 (SA)

12.994min 2.809 PPB

response 305055662

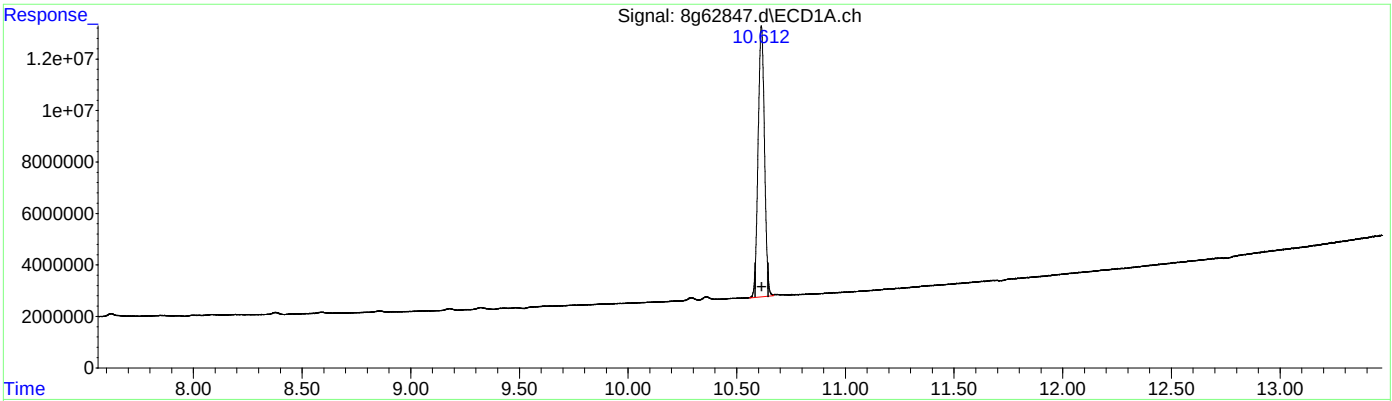
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:27:57 2024

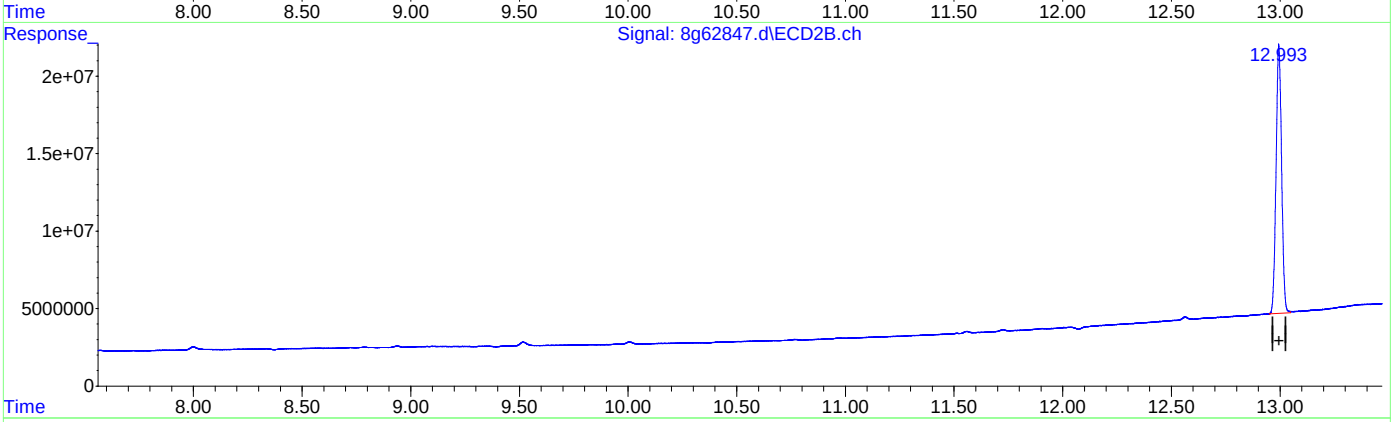
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62847.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 4:11 pm
Operator : kyrac
Sample : op59852-mb1 m
Misc : op59852,g8g2704,5.0,,,10,1
ALS Vial : 80 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:31 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(26) Decachlorobiphenyl (SA)

10.612min 3.439 PPB m

response 215410571

(26) Decachlorobiphenyl #2 (SA)

12.993min 2.837 PPB m

response 308127651

(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:28:07 2024

Manual Integrations APPROVED (compounds with "m" flag)
Syra Marie Pacheco
12/04/24 02:29

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62770.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 3:31 am
Operator : christp
Sample : op59833-bs1 m
Misc : op59833,g8g2700,5.0,,,10,1
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:24:55 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
		Internal Standards						
1)	I	1-bromo-2...	2.408	2.771	336.6E6	771.2E6	5.000	5.000
27)	I	1-bromo-2...	2.408	2.771	336.6E6	771.2E6	5.000	5.000
33)	I	1-bromo-2...	2.408	2.771	336.6E6	771.2E6	5.000	5.000
		System Monitoring Compounds						
2)	SAB	Tetrachlo...	2.955	3.652	250.4E6	645.2E6	3.855m	3.415
		Spiked Amount 40.000	Range 30 - 150		Recovery =		9.64%#	8.54%#
26)	SA	Decachlor...	10.613	12.995	215.5E6	344.5E6	3.449m	3.223m
		Spiked Amount 40.000			Recovery =		8.62%	8.06%
		Target Compounds						
3)		hexachlor...	3.296	4.228	257.1E6	417.4E6	2.514	2.076
4)	A	alpha-BHC	3.443	4.387	233.4E6	524.1E6	2.584	2.233
5)	MA	gamma-BHC	3.758	4.870	217.9E6	463.1E6	2.564	2.231
6)	MA	Heptachlor	4.288	5.530	222.4E6	404.4E6	2.540	2.205
7)	B	beta-BHC	3.838	4.958	102.8E6	227.1E6	2.561	2.144
8)	B	delta-BHC	4.041	5.405	232.2E6	461.8E6	2.721m	2.296
9)	MB	Aldrin	4.652	6.039	202.2E6	429.6E6	2.613	2.263
10)		alachlor	4.795	5.780	31698215	64672226	2.735	2.283
11)	B	Heptachlo...	5.422	6.924	199.3E6	406.0E6	2.610	2.264
12)	B	gamma-Chl...	5.595	7.233	200.1E6	412.7E6	2.459	2.328
13)	B	alpha-Chl...	5.776	7.472	203.1E6	400.7E6	2.680	2.275
14)	A	Endosulfan I	5.974	7.583	175.4E6	360.4E6	2.477	2.233
15)	B	4,4'-DDE	5.880	7.723	208.6E6	415.0E6	2.689	2.430
16)	MA	Dieldrin	6.315	8.043	200.7E6	419.1E6	2.603	2.296
17)	MA	Endrin	6.661	8.579	188.6E6	344.9E6	3.102	2.622
18)	A	4,4'-DDD	6.767	8.718	169.0E6	350.0E6	2.602	2.332
19)	B	Endosulfa...	7.003	8.938	178.4E6	342.6E6	2.630	2.245
20)	MA	4,4'-DDT	7.204	9.280	169.0E6	281.4E6	2.577	2.266
21)	B	Endrin Al...	7.660	9.523	147.7E6	272.5E6	2.649m	2.274
22)	B	Endosulfa...	8.378	10.007	171.7E6	302.5E6	2.721	2.193
23)	A	Methoxychlor	8.000	10.508	99210176	136.5E6	2.602	2.213
24)		Mirex	8.199	10.941	148.2E6	214.6E6	2.563	2.426m
25)	B	Endrin Ke...	8.835	10.970	201.5E6	370.5E6	2.523	1.967m

SemiQuant Compounds - Not Calibrated on this Instrument

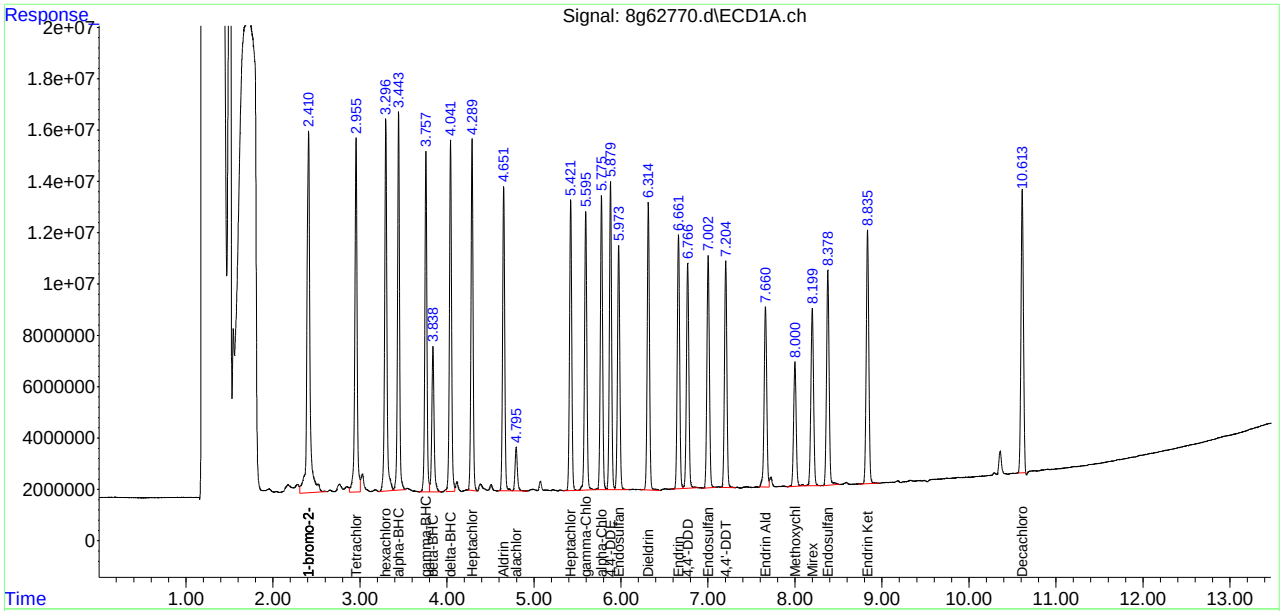
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

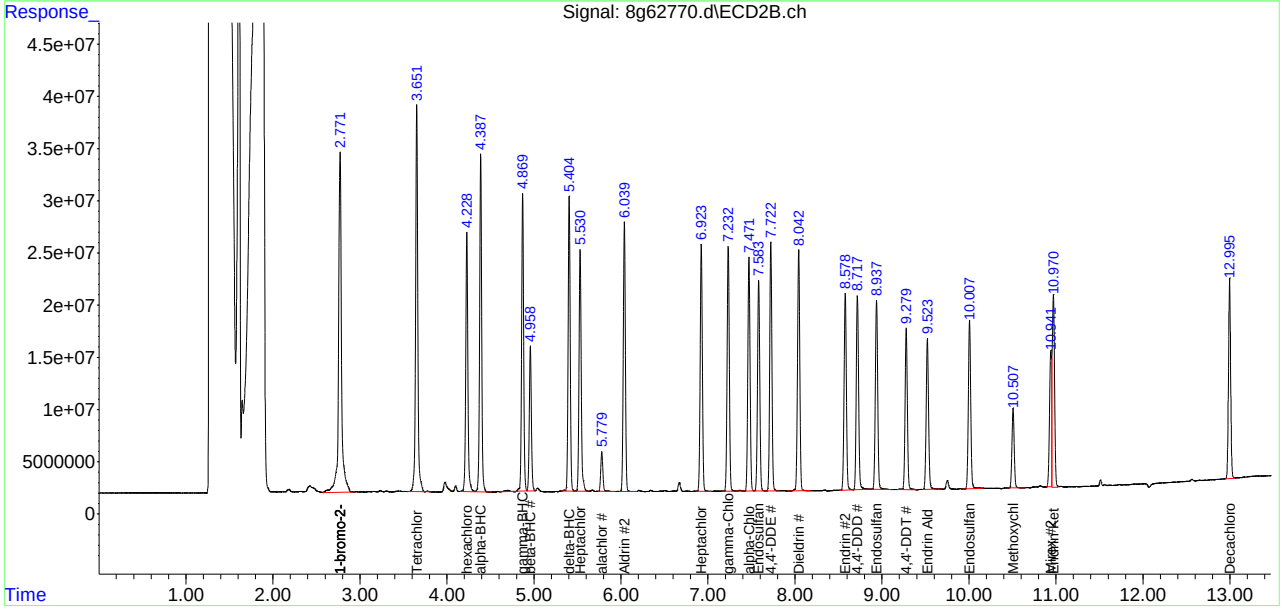
Quantitation Report (QT Reviewed)

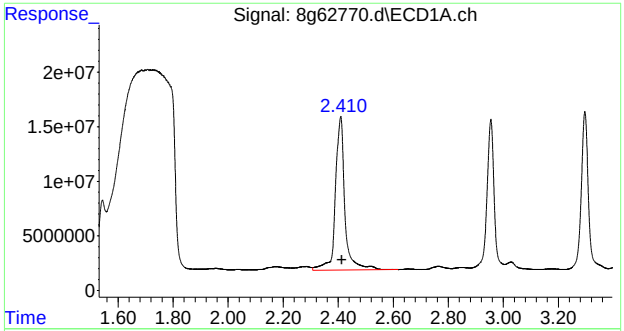
Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62770.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 3:31 am
Operator : christp
Sample : op59833-bs1 m
Misc : op59833,g8g2700,5.0,,,10,1
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:24:55 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

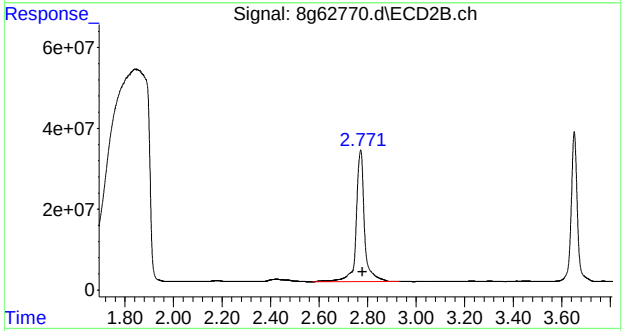






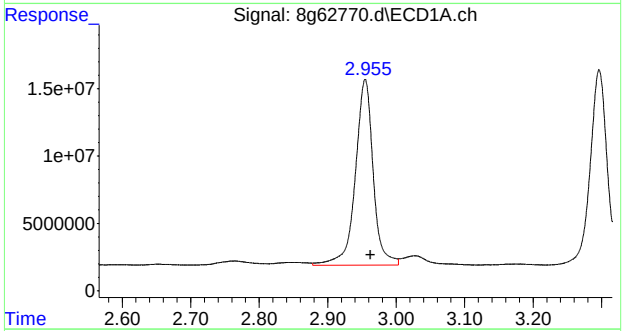
#1 1-bromo-2-nitrobenzene

R.T.: 2.408 min
Delta R.T.: -0.005 min
Response: 336584189
Conc: 5.00 PPB



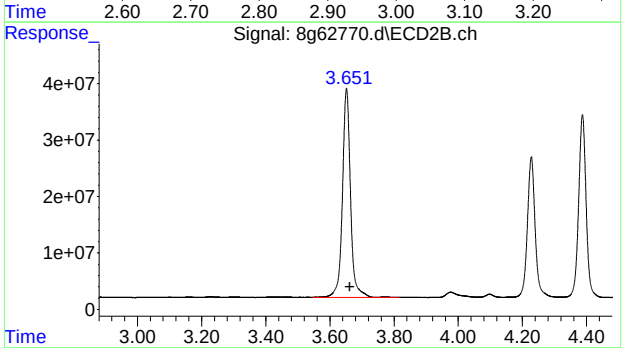
#1 1-bromo-2-nitrobenzene

R.T.: 2.771 min
Delta R.T.: -0.008 min
Response: 771169372
Conc: 5.00 PPB



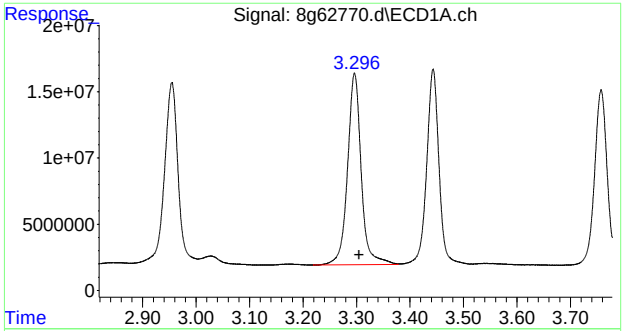
#2 Tetrachloro-m-xylene

R.T.: 2.955 min
Delta R.T.: -0.007 min
Response: 250366484
Conc: 3.86 PPB m



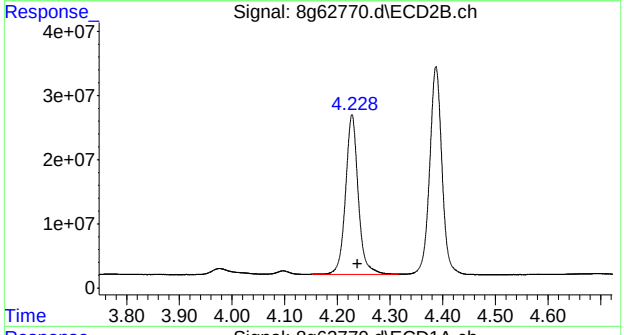
#2 Tetrachloro-m-xylene

R.T.: 3.652 min
Delta R.T.: -0.010 min
Response: 645248941
Conc: 3.42 PPB



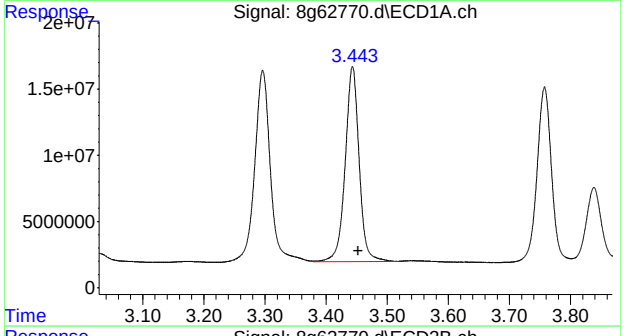
#3 hexachlorobenzene

R.T.: 3.296 min
Delta R.T.: -0.008 min
Response: 257144602
Conc: 2.51 PPB



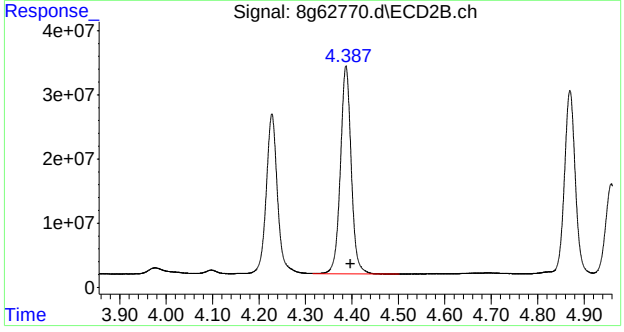
#3 hexachlorobenzene

R.T.: 4.228 min
Delta R.T.: -0.011 min
Response: 417398506
Conc: 2.08 PPB



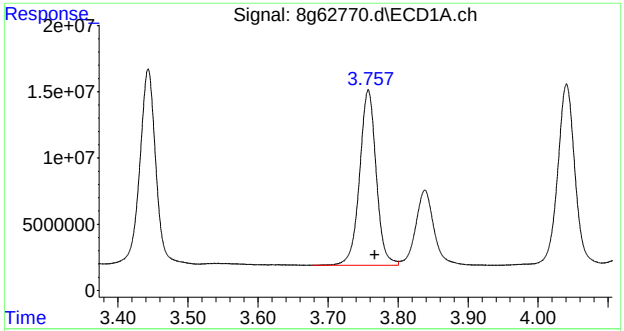
#4 alpha-BHC

R.T.: 3.443 min
Delta R.T.: -0.009 min
Response: 233417180
Conc: 2.58 PPB



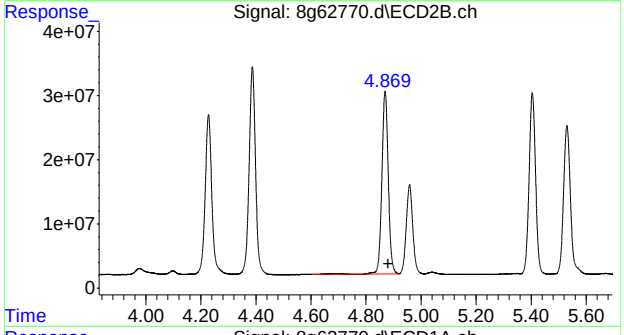
#4 alpha-BHC

R.T.: 4.387 min
Delta R.T.: -0.010 min
Response: 524136902
Conc: 2.23 PPB



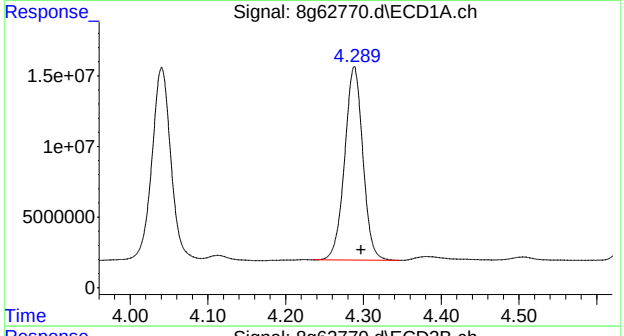
#5 gamma-BHC

R.T.: 3.758 min
Delta R.T.: -0.009 min
Response: 217862262
Conc: 2.56 PPB



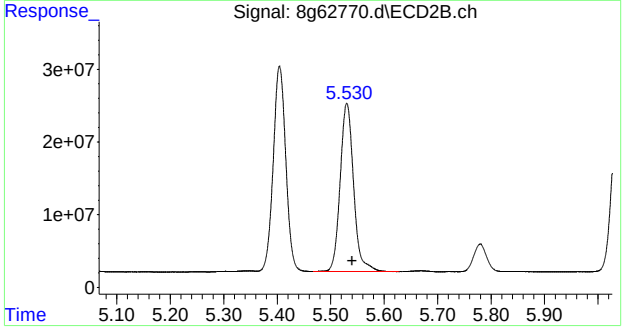
#5 gamma-BHC

R.T.: 4.870 min
Delta R.T.: -0.010 min
Response: 463110626
Conc: 2.23 PPB



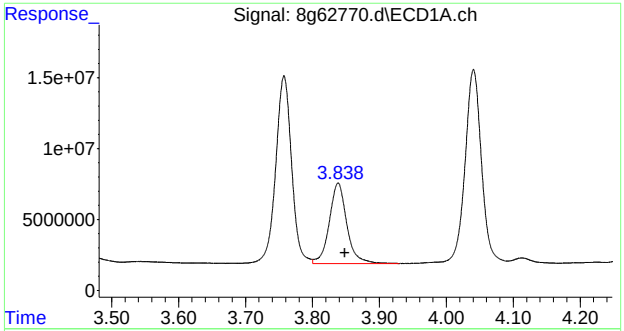
#6 Heptachlor

R.T.: 4.288 min
Delta R.T.: -0.009 min
Response: 222404302
Conc: 2.54 PPB



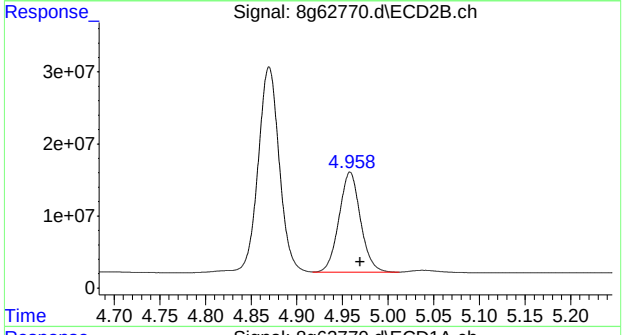
#6 Heptachlor

R.T.: 5.530 min
Delta R.T.: -0.010 min
Response: 404370256
Conc: 2.21 PPB



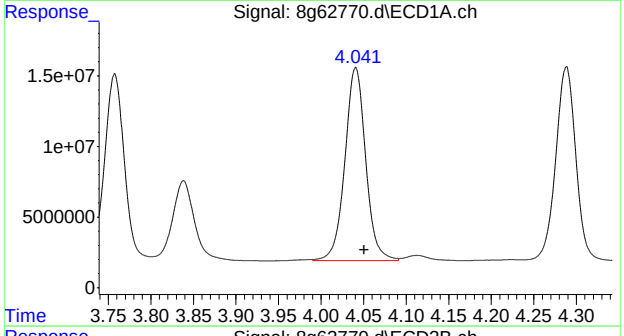
#7 beta-BHC

R.T.: 3.838 min
Delta R.T.: -0.010 min
Response: 102789070
Conc: 2.56 PPB



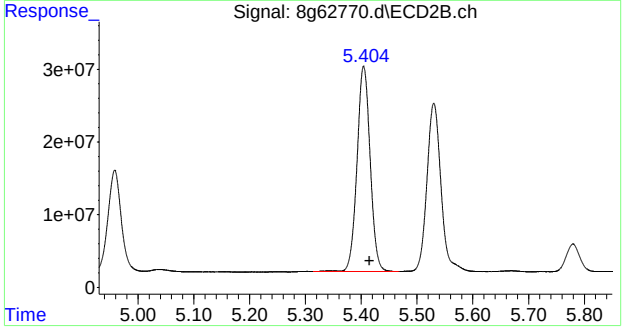
#7 beta-BHC

R.T.: 4.958 min
Delta R.T.: -0.011 min
Response: 227092910
Conc: 2.14 PPB



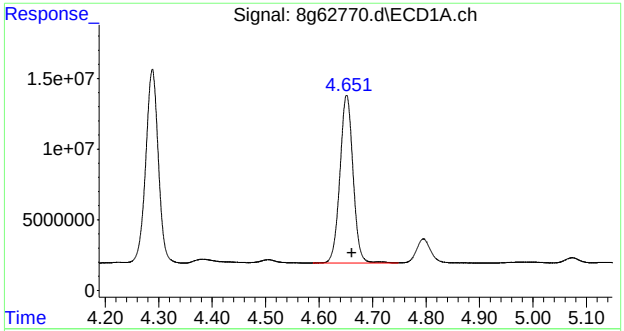
#8 delta-BHC

R.T.: 4.041 min
Delta R.T.: -0.010 min
Response: 232179903
Conc: 2.72 PPB m



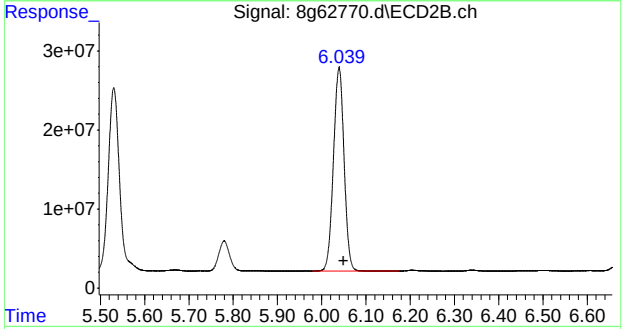
#8 delta-BHC

R.T.: 5.405 min
Delta R.T.: -0.010 min
Response: 461818337
Conc: 2.30 PPB



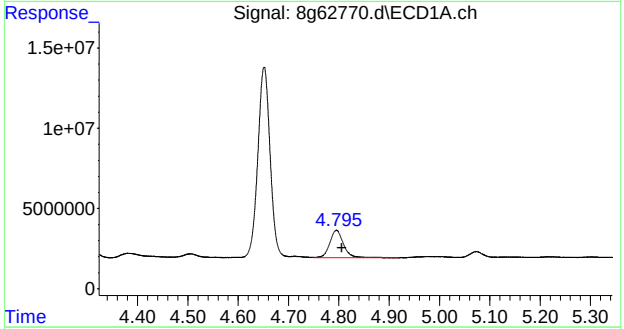
#9 Aldrin

R.T.: 4.652 min
Delta R.T.: -0.010 min
Response: 202185964
Conc: 2.61 PPB



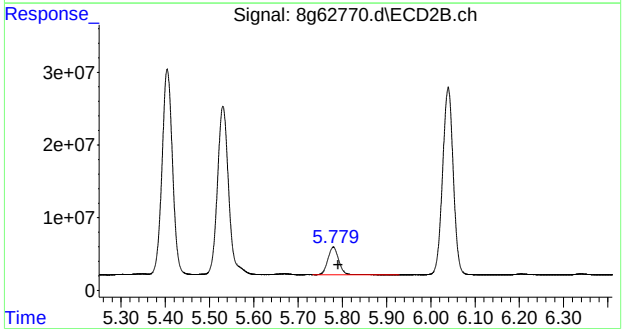
#9 Aldrin

R.T.: 6.039 min
Delta R.T.: -0.010 min
Response: 429580242
Conc: 2.26 PPB



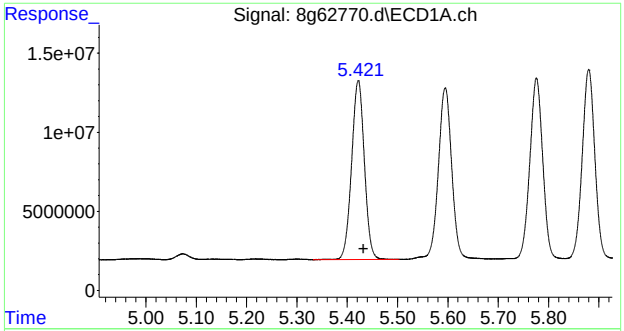
#10 alachlor

R.T.: 4.795 min
Delta R.T.: -0.011 min
Response: 31698215
Conc: 2.73 PPB



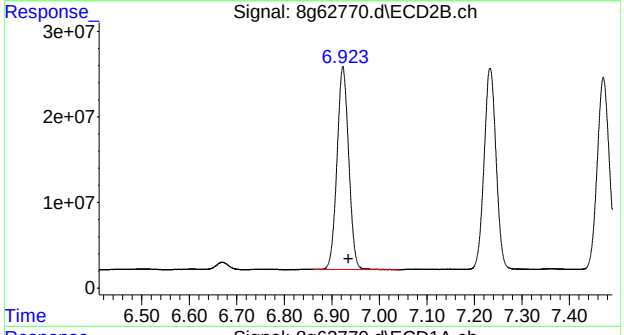
#10 alachlor

R.T.: 5.780 min
Delta R.T.: -0.011 min
Response: 64672226
Conc: 2.28 PPB



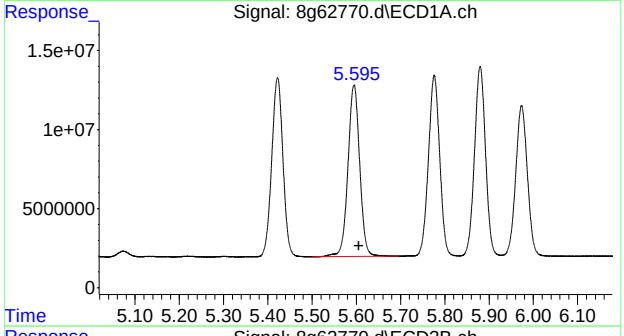
#11 Heptachlor Epoxide

R.T.: 5.422 min
Delta R.T.: -0.010 min
Response: 199270746
Conc: 2.61 PPB



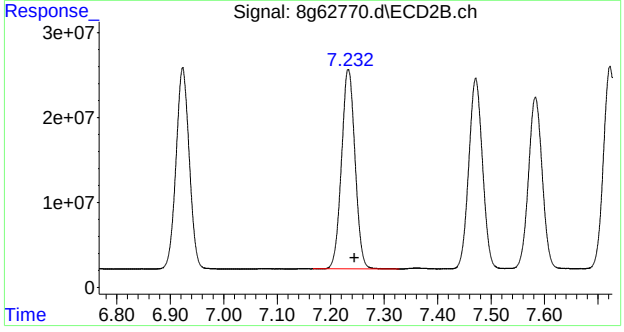
#11 Heptachlor Epoxide

R.T.: 6.924 min
Delta R.T.: -0.011 min
Response: 406029313
Conc: 2.26 PPB



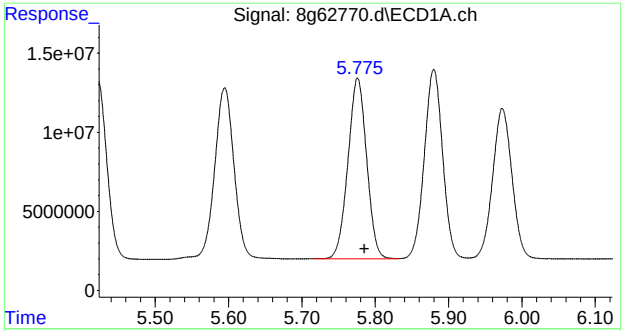
#12 gamma-Chlordane

R.T.: 5.595 min
Delta R.T.: -0.010 min
Response: 200112431
Conc: 2.46 PPB



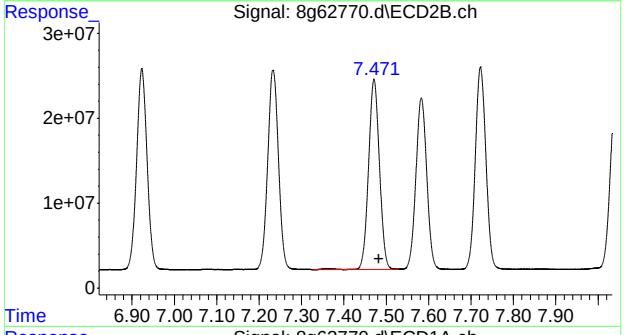
#12 gamma-Chlordane

R.T.: 7.233 min
Delta R.T.: -0.011 min
Response: 412748956
Conc: 2.33 PPB



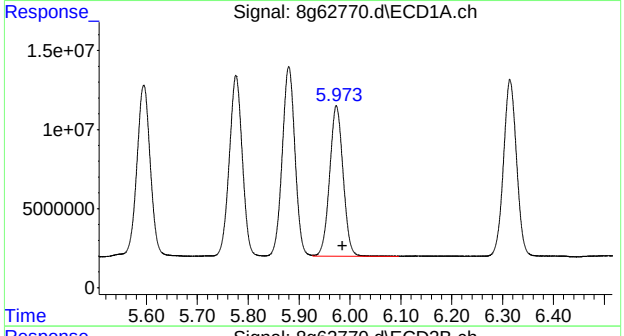
#13 alpha-Chlordane

R.T.: 5.776 min
Delta R.T.: -0.009 min
Response: 203117631
Conc: 2.68 PPB



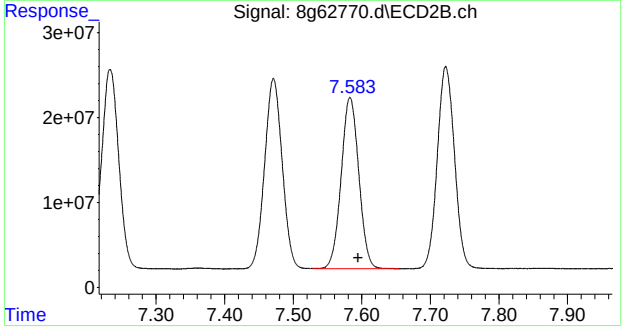
#13 alpha-Chlordane

R.T.: 7.472 min
Delta R.T.: -0.011 min
Response: 400745238
Conc: 2.28 PPB



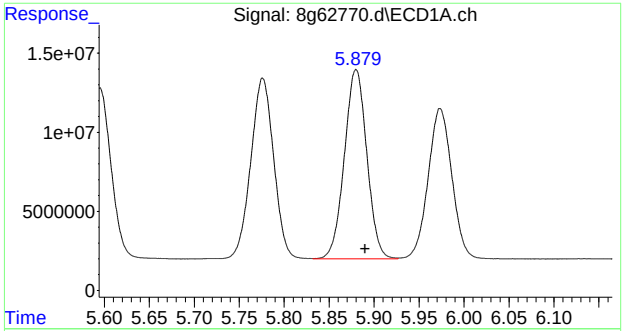
#14 Endosulfan I

R.T.: 5.974 min
Delta R.T.: -0.011 min
Response: 175383159
Conc: 2.48 PPB



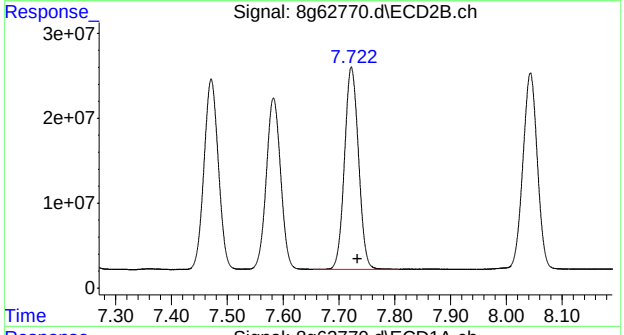
#14 Endosulfan I

R.T.: 7.583 min
Delta R.T.: -0.011 min
Response: 360418572
Conc: 2.23 PPB



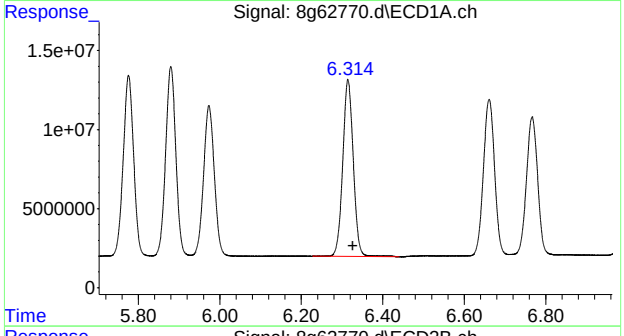
#15 4,4'-DDE

R.T.: 5.880 min
Delta R.T.: -0.010 min
Response: 208599812
Conc: 2.69 PPB



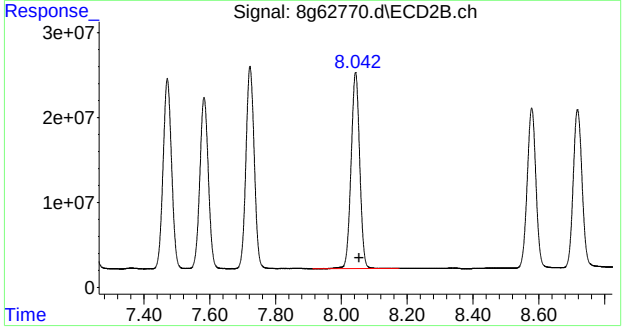
#15 4,4'-DDE

R.T.: 7.723 min
Delta R.T.: -0.011 min
Response: 414961663
Conc: 2.43 PPB



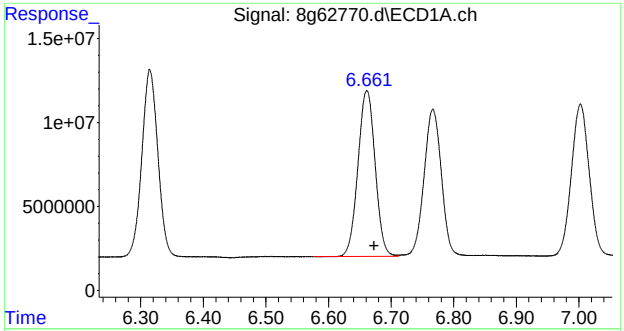
#16 Dieldrin

R.T.: 6.315 min
Delta R.T.: -0.011 min
Response: 200745762
Conc: 2.60 PPB



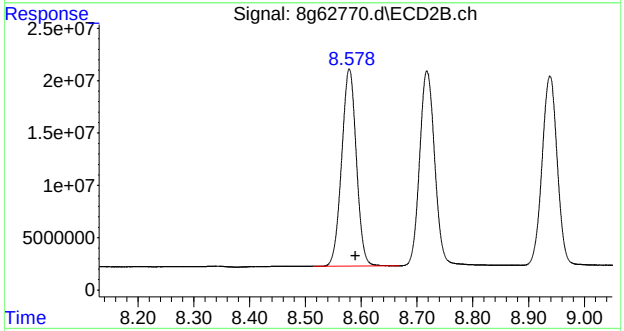
#16 Dieldrin

R.T.: 8.043 min
Delta R.T.: -0.011 min
Response: 419102393
Conc: 2.30 PPB



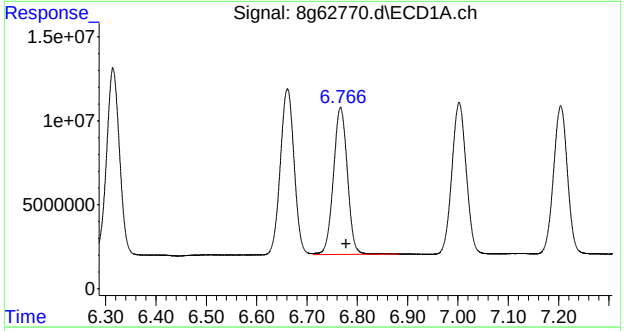
#17 Endrin

R.T.: 6.661 min
Delta R.T.: -0.012 min
Response: 188624510
Conc: 3.10 PPB



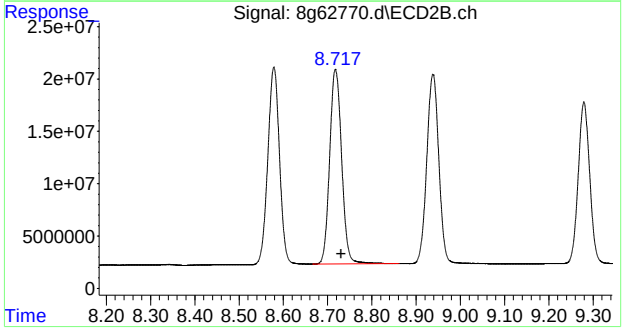
#17 Endrin

R.T.: 8.579 min
Delta R.T.: -0.010 min
Response: 344869620
Conc: 2.62 PPB



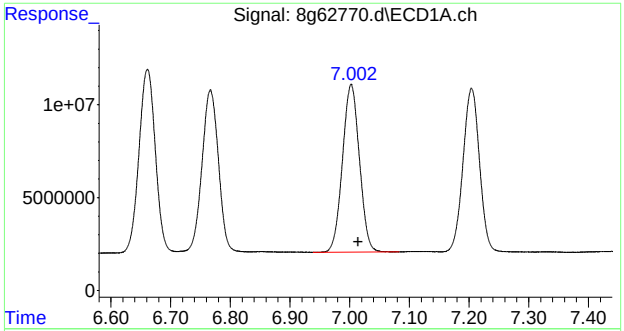
#18 4,4'-DDD

R.T.: 6.767 min
Delta R.T.: -0.011 min
Response: 169019386
Conc: 2.60 PPB



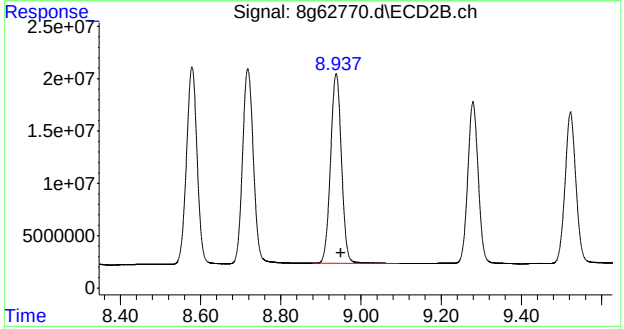
#18 4,4'-DDD

R.T.: 8.718 min
Delta R.T.: -0.012 min
Response: 350027903
Conc: 2.33 PPB



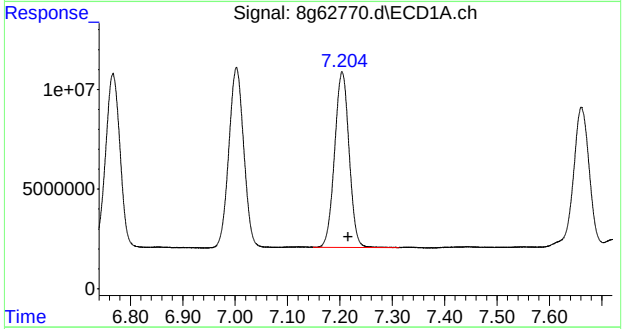
#19 Endosulfan II

R.T.: 7.003 min
Delta R.T.: -0.012 min
Response: 178374964
Conc: 2.63 PPB



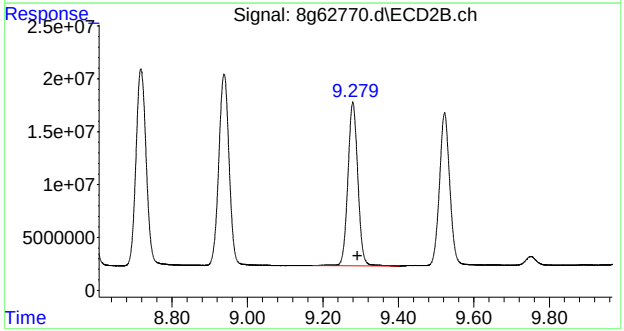
#19 Endosulfan II

R.T.: 8.938 min
Delta R.T.: -0.011 min
Response: 342599263
Conc: 2.24 PPB



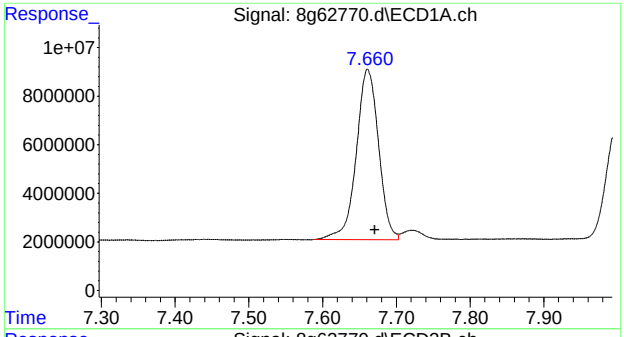
#20 4,4'-DDT

R.T.: 7.204 min
Delta R.T.: -0.011 min
Response: 168984173
Conc: 2.58 PPB



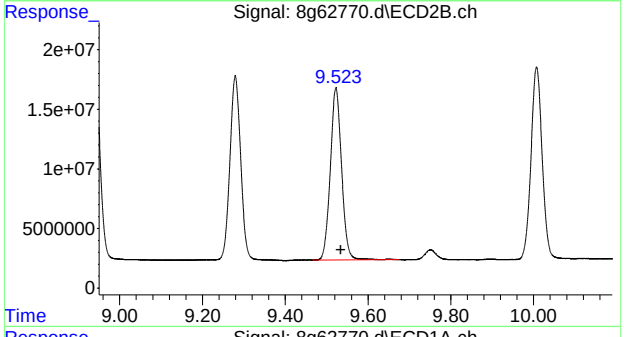
#20 4,4'-DDT

R.T.: 9.280 min
Delta R.T.: -0.012 min
Response: 281435696
Conc: 2.27 PPB



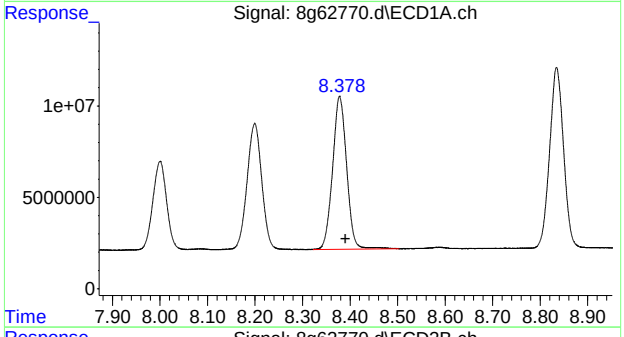
#21 Endrin Aldehyde

R.T.: 7.660 min
Delta R.T.: -0.010 min
Response: 147730799
Conc: 2.65 PPB m



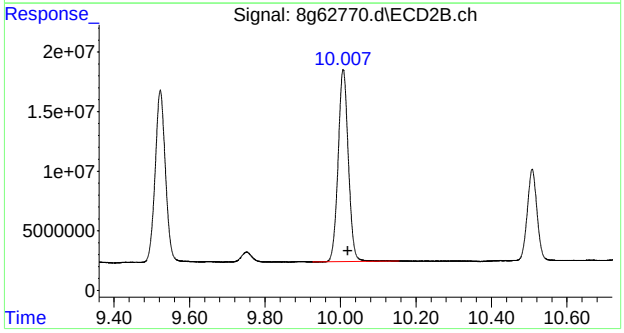
#21 Endrin Aldehyde

R.T.: 9.523 min
Delta R.T.: -0.011 min
Response: 272488950
Conc: 2.27 PPB



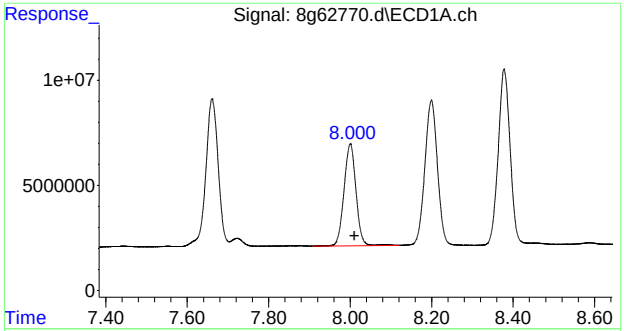
#22 Endosulfan Sulfate

R.T.: 8.378 min
Delta R.T.: -0.012 min
Response: 171653671
Conc: 2.72 PPB



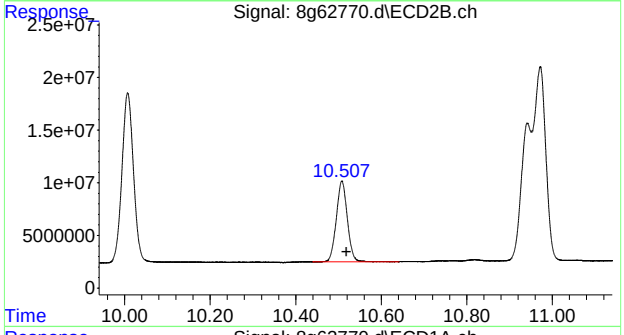
#22 Endosulfan Sulfate

R.T.: 10.007 min
Delta R.T.: -0.012 min
Response: 302533812
Conc: 2.19 PPB



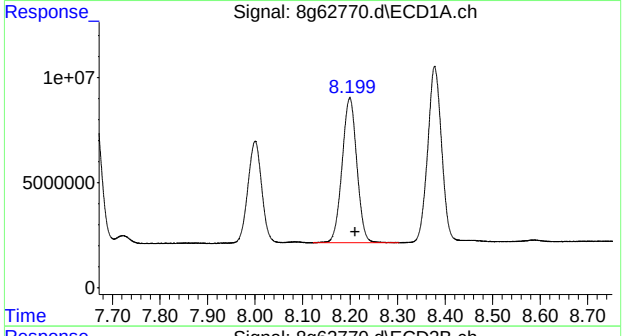
#23 Methoxychlor

R.T.: 8.000 min
Delta R.T.: -0.010 min
Response: 99210176
Conc: 2.60 PPB



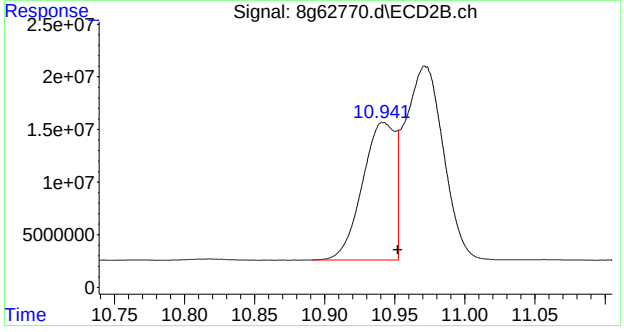
#23 Methoxychlor

R.T.: 10.508 min
Delta R.T.: -0.011 min
Response: 136516893
Conc: 2.21 PPB



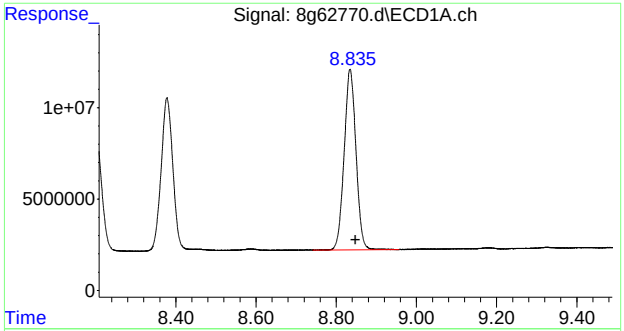
#24 Mirex

R.T.: 8.199 min
Delta R.T.: -0.011 min
Response: 148214339
Conc: 2.56 PPB



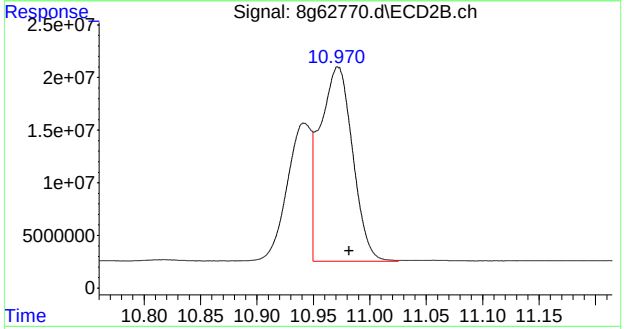
#24 Mirex

R.T.: 10.941 min
Delta R.T.: -0.011 min
Response: 214553948
Conc: 2.43 PPB m



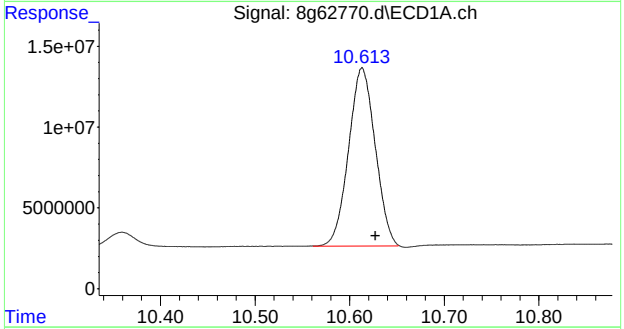
#25 Endrin Ketone

R.T.: 8.835 min
Delta R.T.: -0.013 min
Response: 201494457
Conc: 2.52 PPB



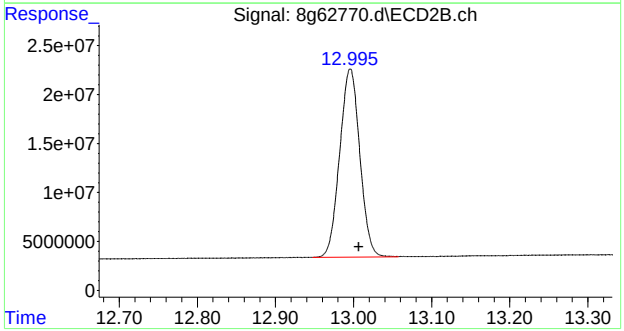
#25 Endrin Ketone

R.T.: 10.970 min
Delta R.T.: -0.011 min
Response: 370492875
Conc: 1.97 PPB m



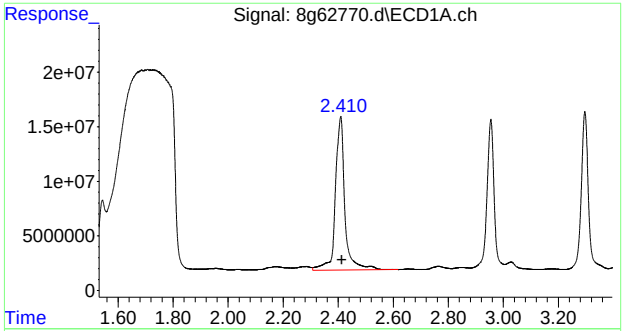
#26 Decachlorobiphenyl

R.T.: 10.613 min
Delta R.T.: -0.014 min
Response: 215460858
Conc: 3.45 PPB m



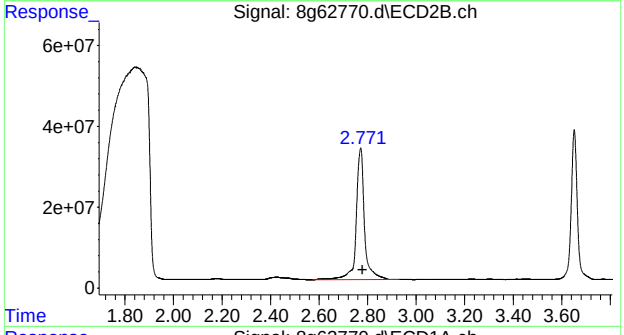
#26 Decachlorobiphenyl

R.T.: 12.995 min
Delta R.T.: -0.011 min
Response: 344489154
Conc: 3.22 PPB m



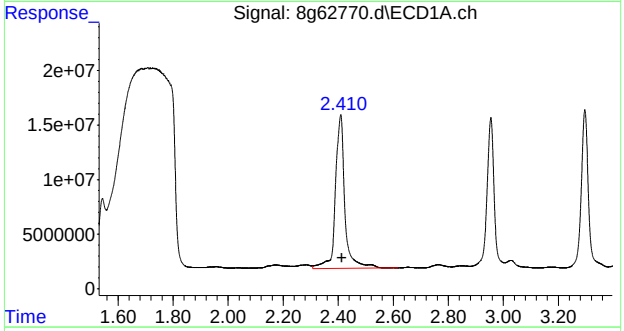
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.408 min
Delta R.T.: -0.006 min
Response: 336584189
Conc: 5.00 PPB



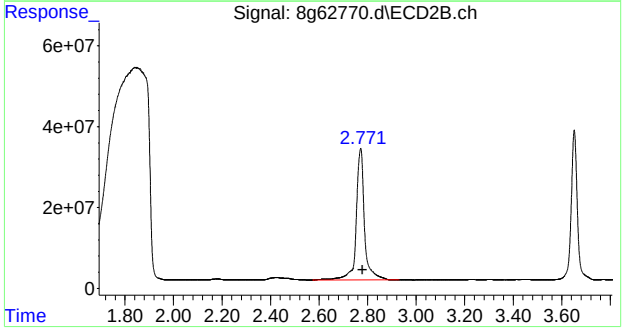
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.771 min
Delta R.T.: -0.008 min
Response: 771169372
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.408 min
Delta R.T.: -0.006 min
Response: 336584189
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.771 min
Delta R.T.: -0.008 min
Response: 771169372
Conc: 5.00 PPB

Manual Integration Approval Summary

Sample Number: OP59833-BS1
Lab FileID: 8G62770.D
Injection Time: 12/03/24 03:31
Method: SW846 8081B
Analyst approved: 12/03/24 08:06 Christopher Changho
Supervisor approved: 12/04/24 02:29 Syra Marie Pacheco

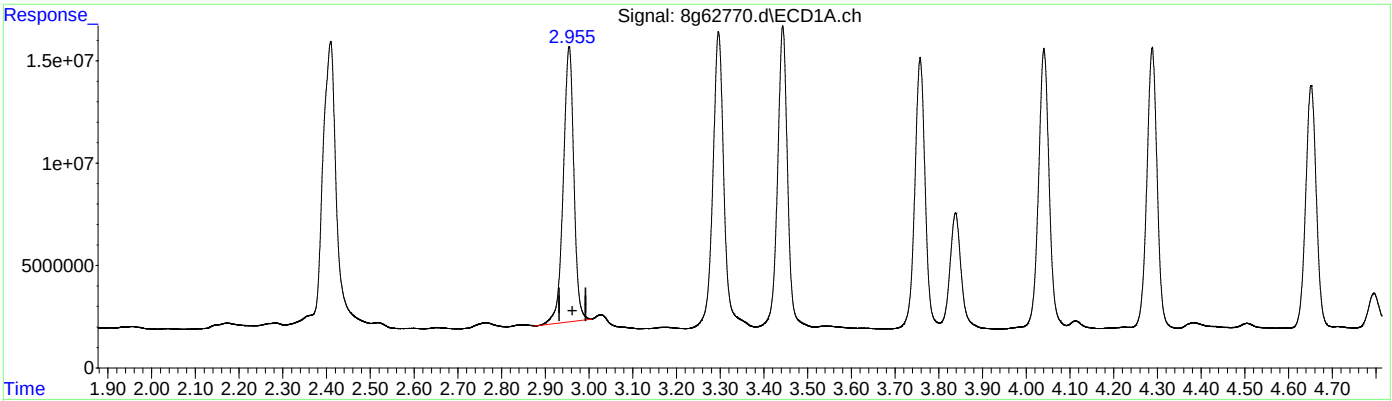
Parameter	CAS	Sig#	R.T. (min.)	Reason
Tetrachloro-m-xylene	877-09-8	1	2.96	Poorly defined baseline
delta-BHC	319-86-8	1	4.04	Poorly defined baseline
Endrin aldehyde	7421-93-4	1	7.66	Poorly defined baseline
Decachlorobiphenyl	2051-24-3	1	10.61	Poorly defined baseline
Mirex	2385-85-5	2	10.94	Poorly defined baseline
Endrin ketone	53494-70-5	2	10.97	Poorly defined baseline
Decachlorobiphenyl	2051-24-3	2	12.99	Poorly defined baseline

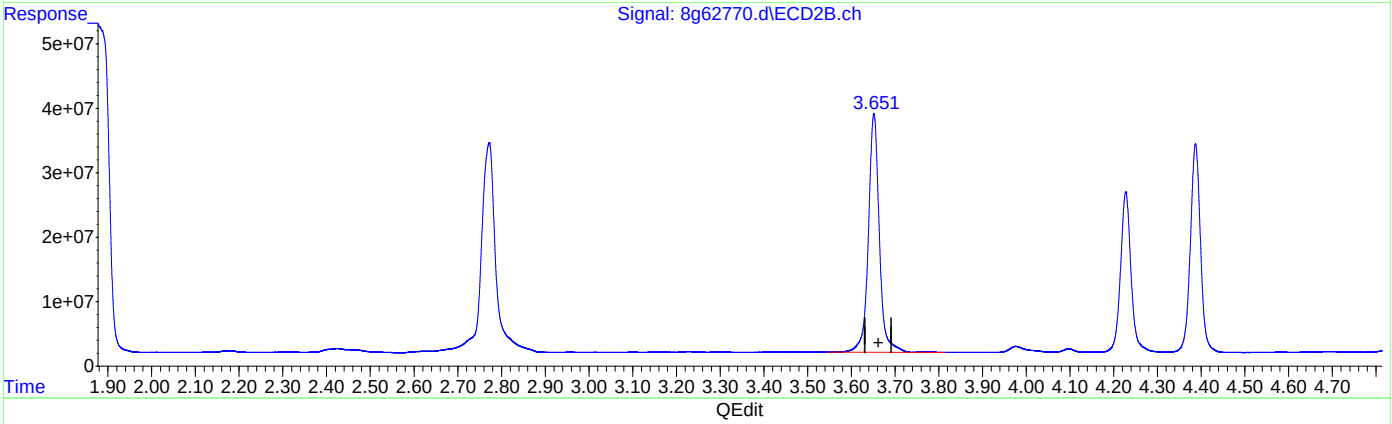
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62770.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 3:31 am
Operator : christp
Sample : op59833-bs1 m
Misc : op59833,g8g2700,5.0,,,10,1
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:05:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(2) Tetrachloro-m-xylene (SAB)

2.954min 3.491 PPB

response 226673382

(2) Tetrachloro-m-xylene #2 (SAB)

3.652min 3.415 PPB

response 645248941

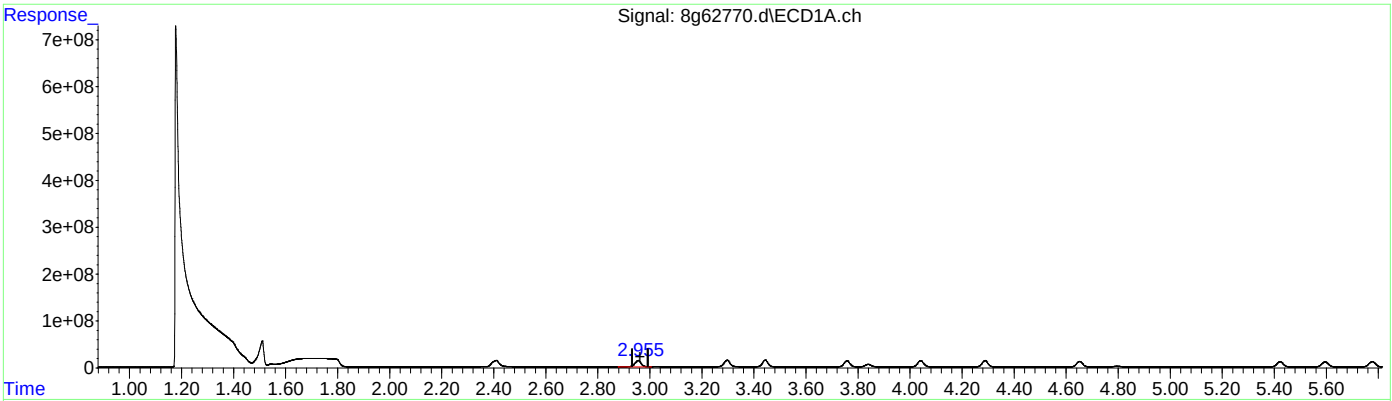
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:23:05 2024

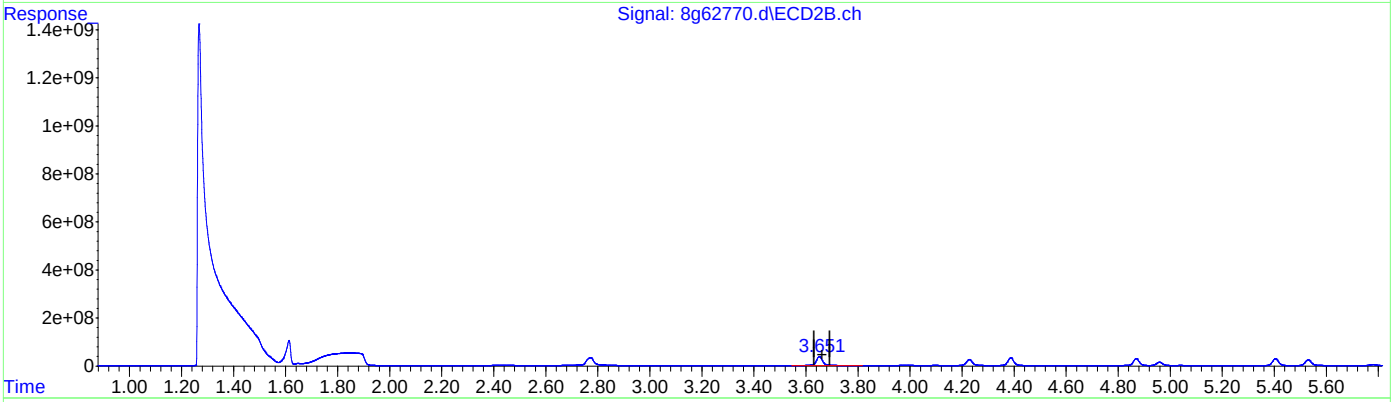
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62770.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 3:31 am
Operator : christp
Sample : op59833-bs1 m
Misc : op59833,g8g2700,5.0,,,10,1
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:05:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(2) Tetrachloro-m-xylene (SAB)

2.955min 3.855 PPB m

response 250366484

(2) Tetrachloro-m-xylene #2 (SAB)

3.652min 3.415 PPB

response 645248941

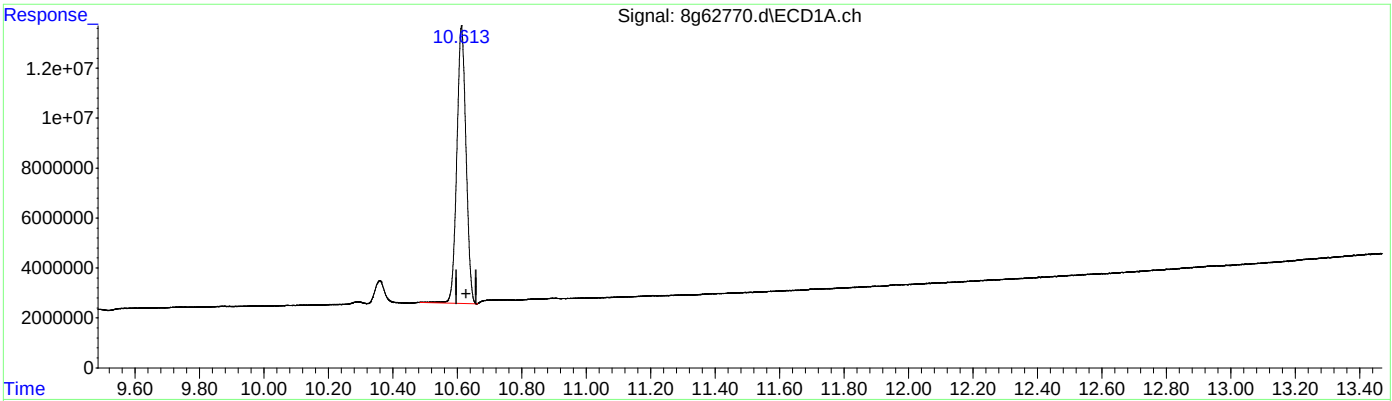
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:23:13 2024

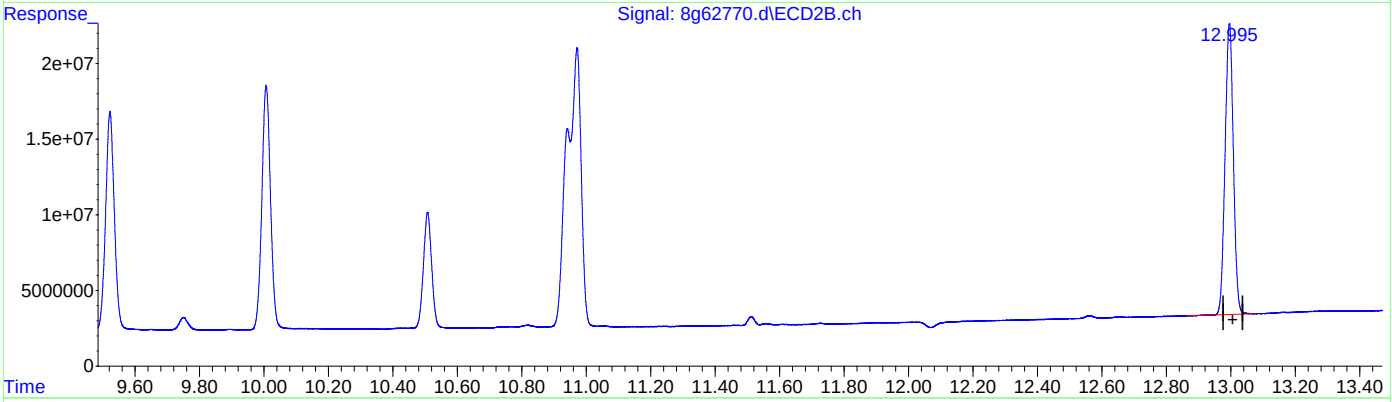
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62770.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 3:31 am
Operator : christp
Sample : op59833-bs1 m
Misc : op59833,g8g2700,5.0,,,10,1
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:05:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(26) Decachlorobiphenyl (SA)

10.613min 3.519 PPB

response 219831257

(26) Decachlorobiphenyl #2 (SA)

12.996min 3.208 PPB

response 342831942

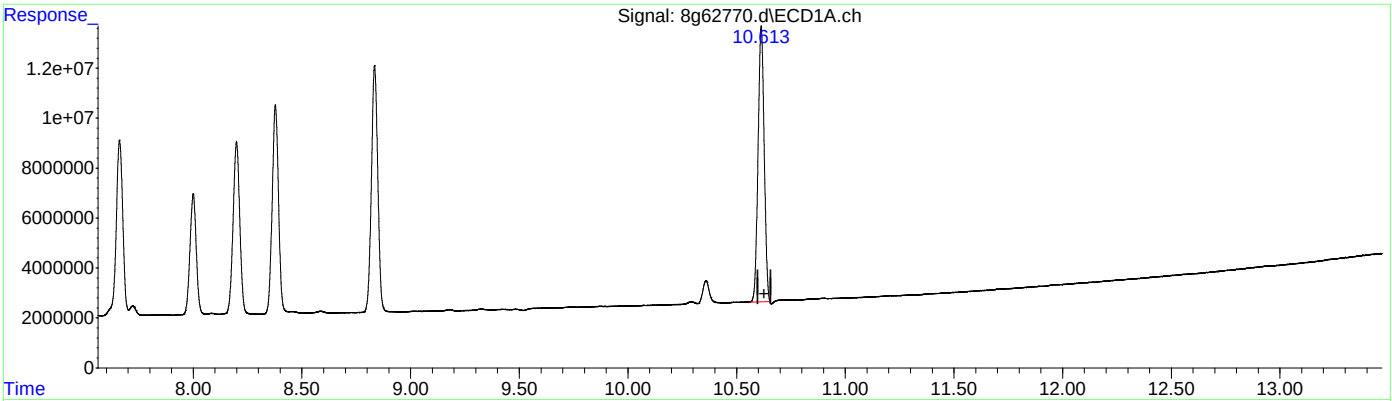
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:23:35 2024

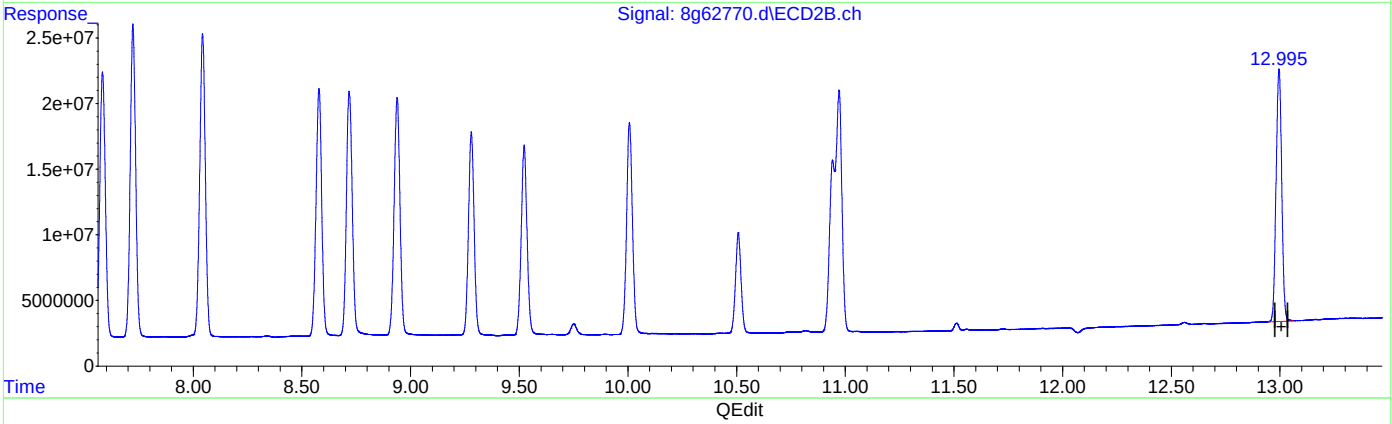
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62770.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 3:31 am
Operator : christp
Sample : op59833-bs1 m
Misc : op59833,g8g2700,5.0,,,10,1
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:05:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(26) Decachlorobiphenyl (SA)

10.613min 3.449 PPB m

response 215460858

(26) Decachlorobiphenyl #2 (SA)

12.995min 3.223 PPB m

response 344489154

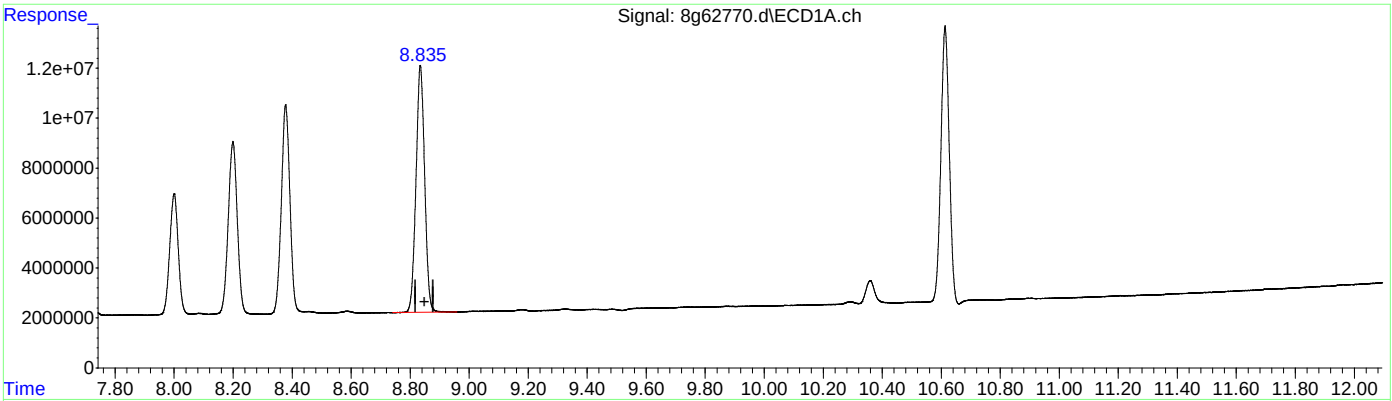
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:23:45 2024

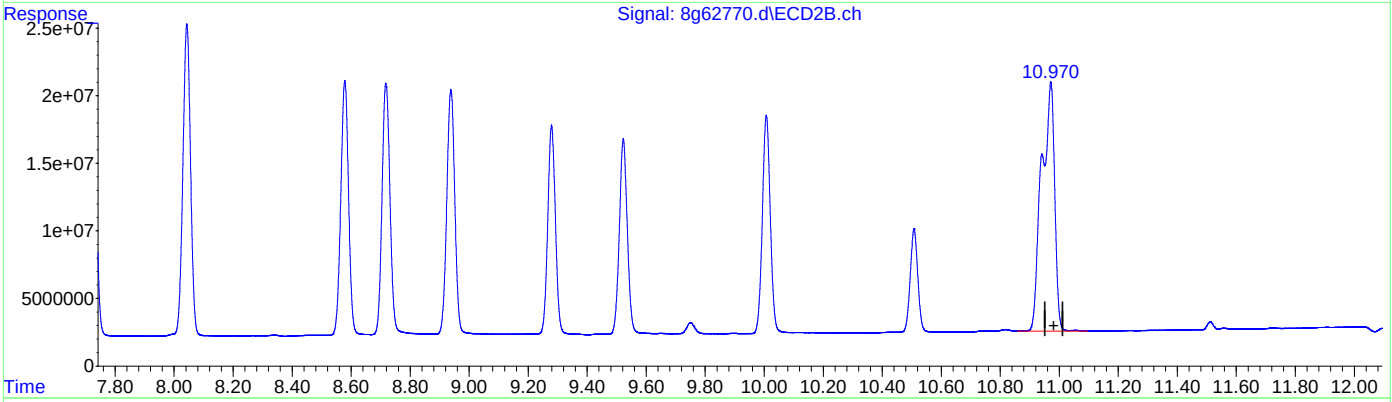
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62770.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 3:31 am
Operator : christp
Sample : op59833-bs1 m
Misc : op59833,g8g2700,5.0,,,10,1
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:05:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(25) Endrin Ketone (B)

8.835min 2.523 PPB

response 201494457

(25) Endrin Ketone #2 (B)

10.971min 2.993 PPB

response 563897829

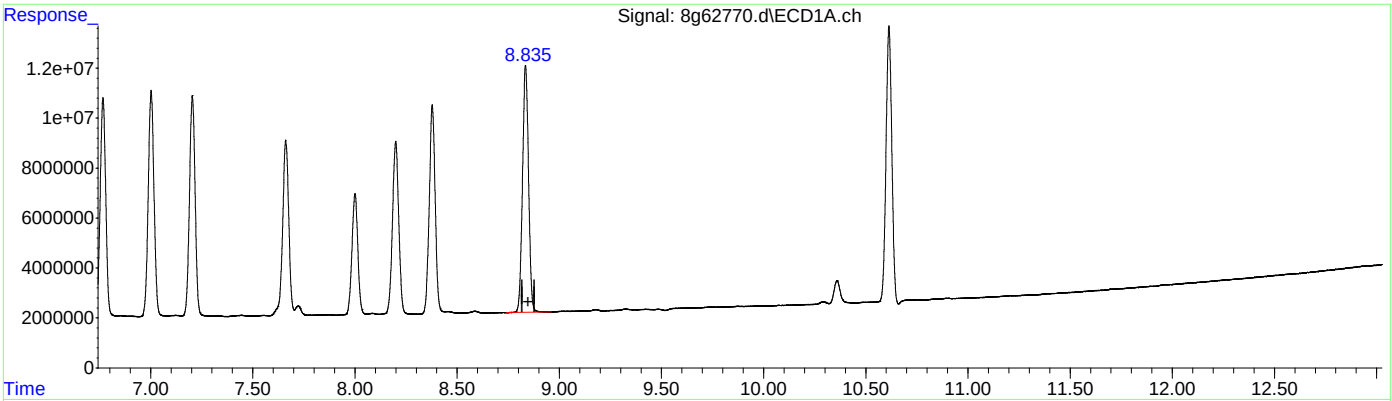
(+) = Expected Retention Time

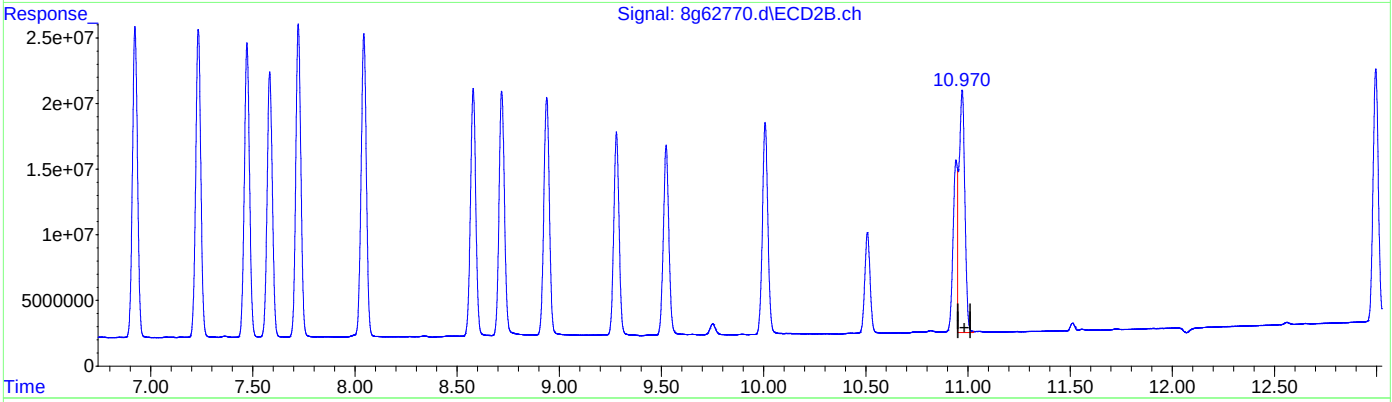
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62770.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 3:31 am
Operator : christp
Sample : op59833-bs1 m
Misc : op59833,g8g2700,5.0,,,10,1
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:05:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(25) Endrin Ketone (B)

8.835min 2.523 PPB

response 201494457

(25) Endrin Ketone #2 (B)

10.970min 1.967 PPB m

response 370492875

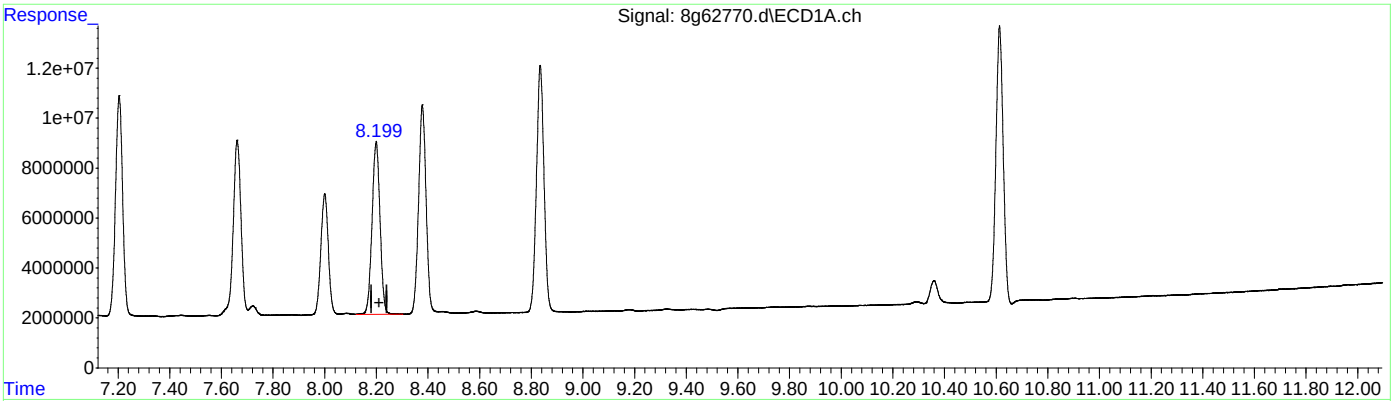
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:24:00 2024

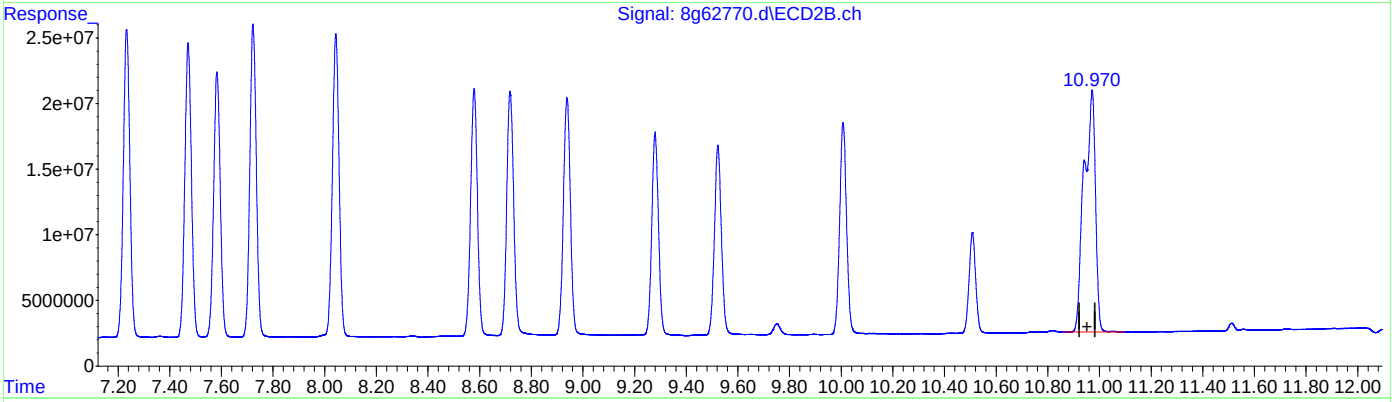
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62770.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 3:31 am
Operator : christp
Sample : op59833-bs1 m
Misc : op59833,g8g2700,5.0,,,10,1
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:05:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(24) Mirex

8.199min 2.563 PPB

response 148214339

(24) Mirex #2

10.971min 6.377 PPB

response 563897829

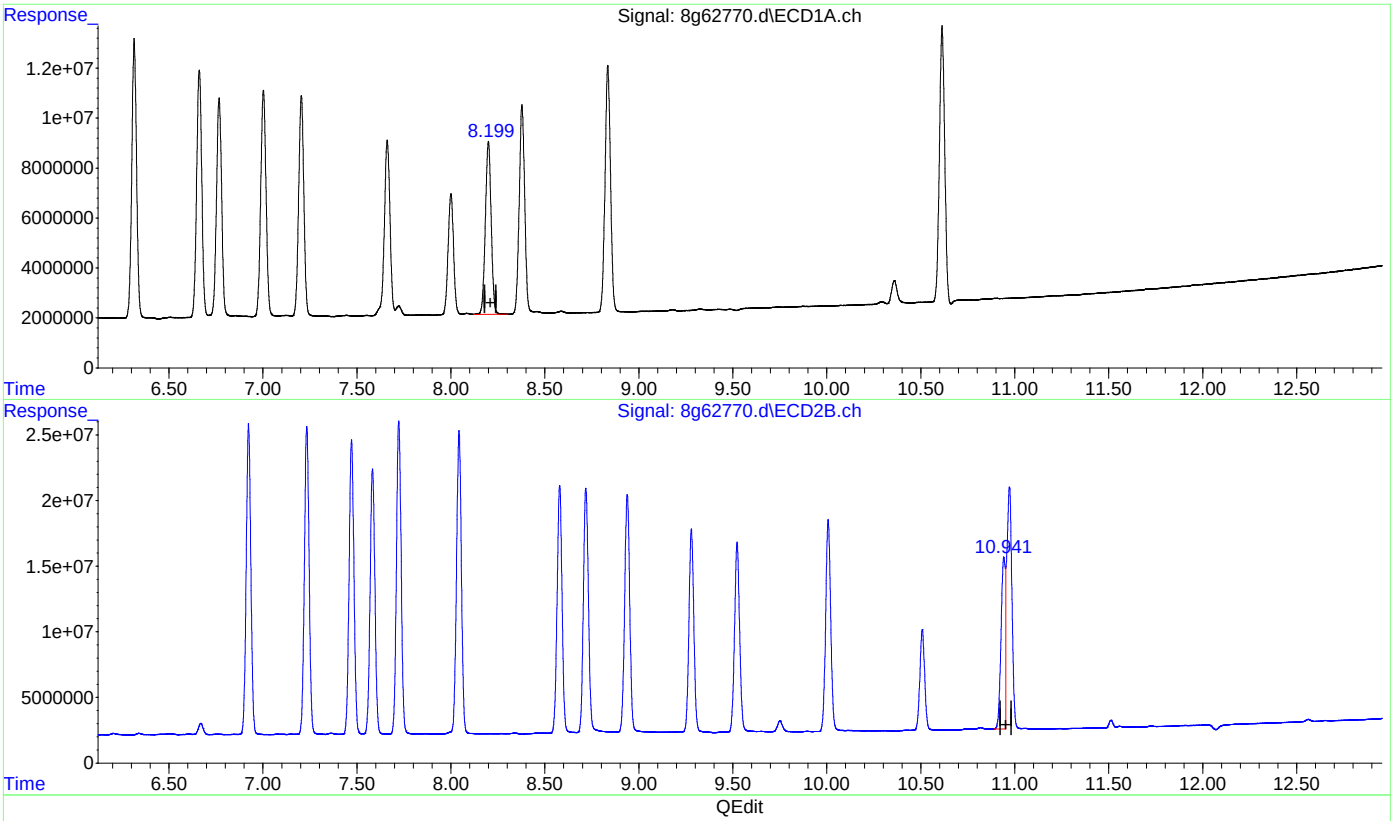
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:24:02 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62770.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 3:31 am
Operator : christp
Sample : op59833-bs1 m
Misc : op59833,g8g2700,5.0,,,10,1
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:05:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(24) Mirex

8.199min 2.563 PPB

response 148214339

(24) Mirex #2

10.941min 2.426 PPB m

response 214553948

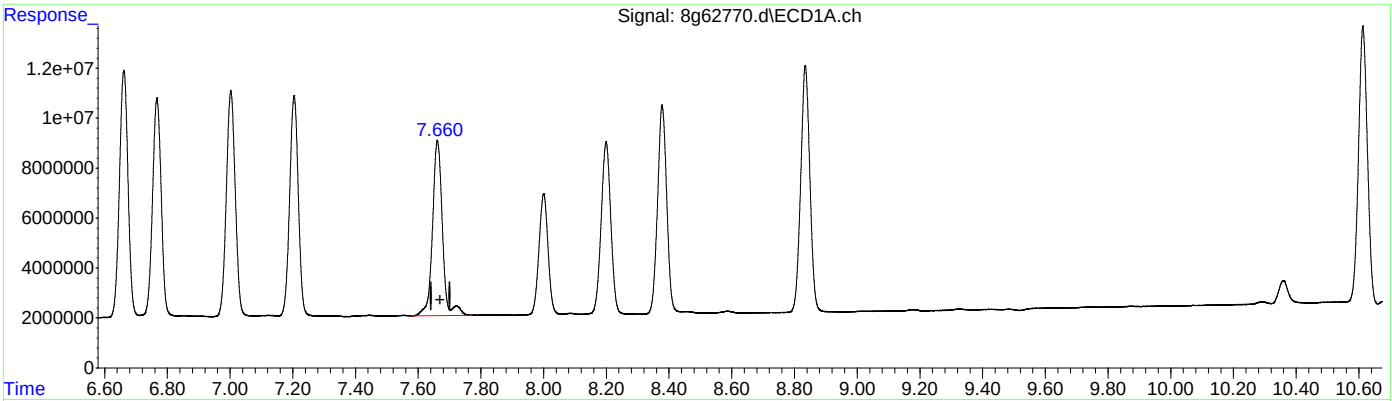
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62770.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 3:31 am
Operator : christp
Sample : op59833-bs1 m
Misc : op59833,g8g2700,5.0,,,10,1
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:05:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(21) Endrin Aldehyde (B)

7.662min 2.773 PPB

response 154643803

(21) Endrin Aldehyde #2 (B)

9.523min 2.274 PPB

response 272488950

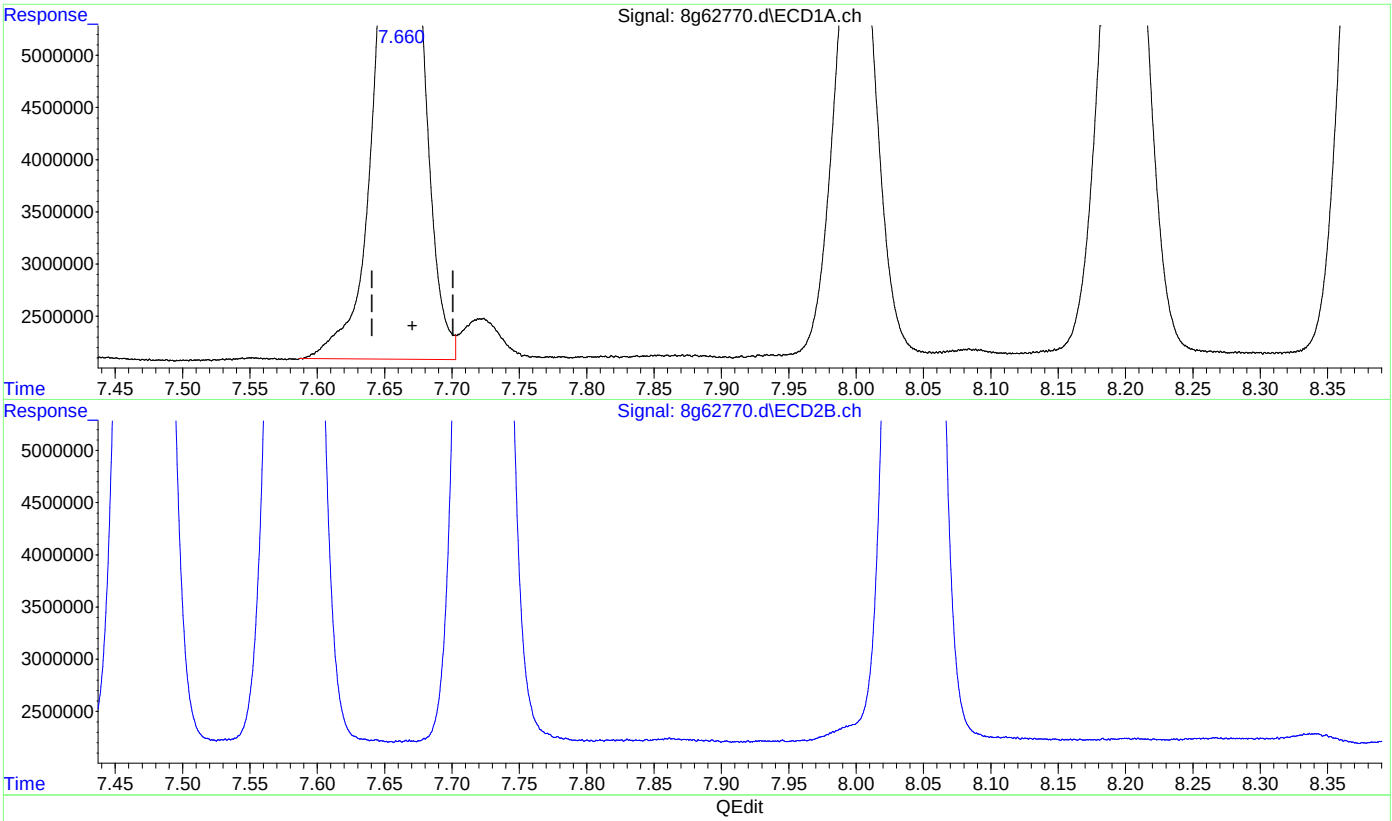
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:24:14 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62770.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 3:31 am
Operator : christp
Sample : op59833-bs1 m
Misc : op59833,g8g2700,5.0,,,10,1
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:05:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(21) Endrin Aldehyde (B)

7.660min 2.649 PPB m

response 147730799

(21) Endrin Aldehyde #2 (B)

9.523min 2.274 PPB

response 272488950

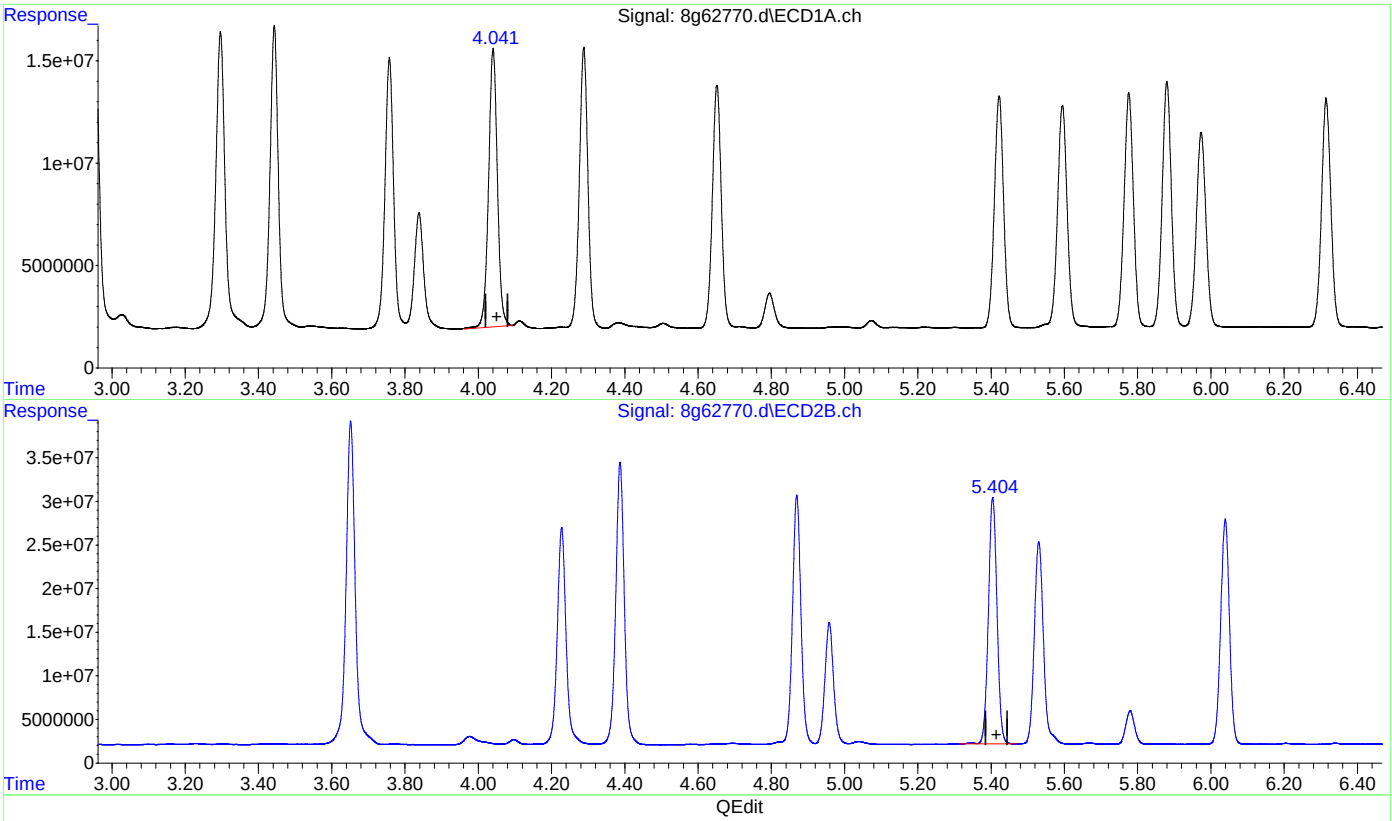
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:24:20 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62770.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 3:31 am
Operator : christp
Sample : op59833-bs1 m
Misc : op59833,g8g2700,5.0,,,10,1
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:05:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(8) delta-BHC (B)

4.041min 2.671 PPB

response 227909976

(8) delta-BHC #2 (B)

5.405min 2.296 PPB

response 461818337

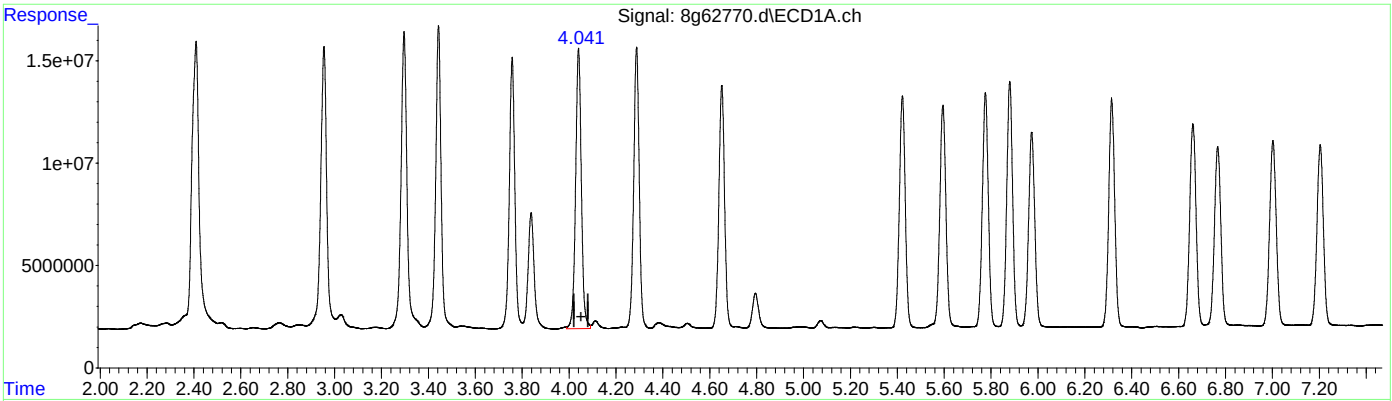
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:24:52 2024

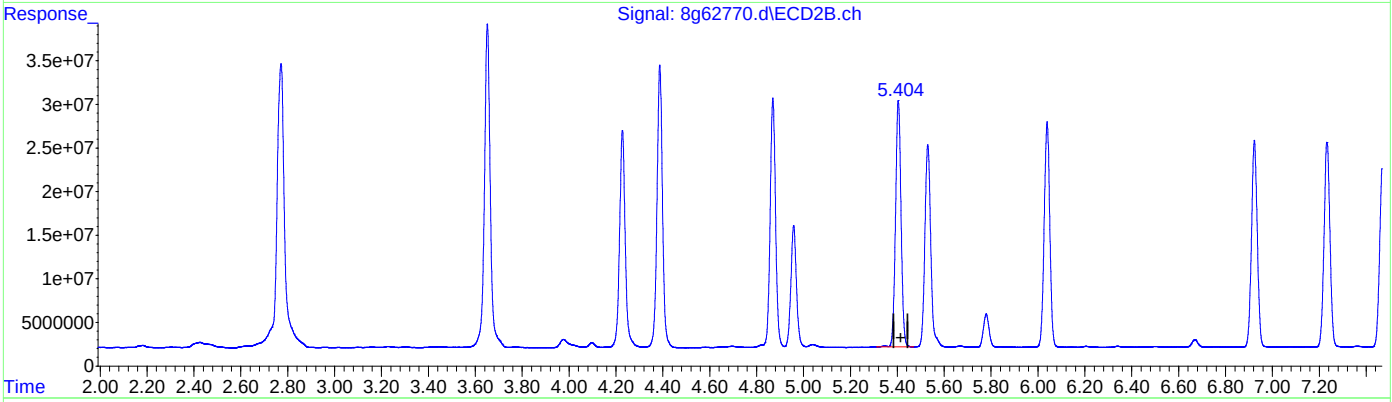
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62770.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 3:31 am
Operator : christp
Sample : op59833-bs1 m
Misc : op59833,g8g2700,5.0,,,10,1
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:05:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(8) delta-BHC (B)

4.041min 2.721 PPB m

response 232179903

(8) delta-BHC #2 (B)

5.405min 2.296 PPB

response 461818337

(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:24:58 2024

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 12/05/24 08:41

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62848.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 4:36 pm
Operator : kyrac
Sample : op59852-bs1 m
Misc : op59852,g8g2704,5.0,,,10,1
ALS Vial : 81 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:31:19 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1) I	1-bromo-2...	2.418	2.780	326.4E6	786.8E6	5.000	5.000
27) I	1-bromo-2...	2.418	2.780	326.4E6	786.8E6	5.000	5.000
33) I	1-bromo-2...	2.418	2.780	326.4E6	786.8E6	5.000	5.000
	System Monitoring Compounds						
2) SAB	Tetrachlo...	2.960	3.656	251.3E6	686.3E6	3.991m	3.560
	Spiked Amount 40.000	Range 30 - 150		Recovery =		9.98%#	8.90%#
26) SA	Decachlor...	10.615	12.995	225.5E6	298.4E6	3.722m	2.736m#
	Spiked Amount 40.000			Recovery =		9.30%	6.84%
	Target Compounds						
3)	hexachlor...	3.301	4.230	248.3E6	452.0E6	2.503	2.203
4) A	alpha-BHC	3.447	4.388	233.9E6	523.6E6	2.660	2.186
5) MA	gamma-BHC	3.760	4.870	214.3E6	493.2E6	2.601m	2.329m
6) MA	Heptachlor	4.289	5.530	213.1E6	422.4E6	2.510m	2.258
7) B	beta-BHC	3.840	4.958	98556134	242.7E6	2.532	2.246m
8) B	delta-BHC	4.043	5.404	219.3E6	493.1E6	2.651	2.403m
9) MB	Aldrin	4.652	6.038	195.6E6	449.9E6	2.606	2.322
10)	alachlor	4.797	5.781	30135573	65760160	2.681m	2.276m
11) B	Heptachlo...	5.421	6.923	191.6E6	422.4E6	2.587m	2.308
12) B	gamma-Chl...	5.595	7.233	191.9E6	428.6E6	2.432	2.370
13) B	alpha-Chl...	5.776	7.471	193.0E6	417.8E6	2.626	2.325
14) A	Endosulfan I	5.974	7.582	173.8E6	370.3E6	2.531	2.249
15) B	4,4'-DDE	5.880	7.722	197.1E6	423.2E6	2.619	2.429
16) MA	Dieldrin	6.314	8.041	184.1E6	420.8E6	2.461	2.259
17) MA	Endrin	6.661	8.576	169.5E6	324.6E6	2.875	2.419
18) A	4,4'-DDD	6.766	8.718	159.1E6	346.4E6	2.526	2.262
19) B	Endosulfa...	7.002	8.938	165.5E6	328.9E6	2.516	2.112
20) MA	4,4'-DDT	7.203	9.279	149.0E6	257.6E6	2.344	2.033m
21) B	Endrin Al...	7.660	9.521	129.7E6	250.7E6	2.398m	2.050m
22) B	Endosulfa...	8.376	10.006	151.4E6	280.3E6	2.474	1.992
23) A	Methoxychlor	7.999	10.506	84042878	123.2E6	2.273	1.957m
24)	Mirex	8.198	10.942	137.7E6	175.6E6	2.455	1.946m
25) B	Endrin Ke...	8.833	10.969	182.4E6	323.6E6	2.355	1.684m#

SemiQuant Compounds - Not Calibrated on this Instrument

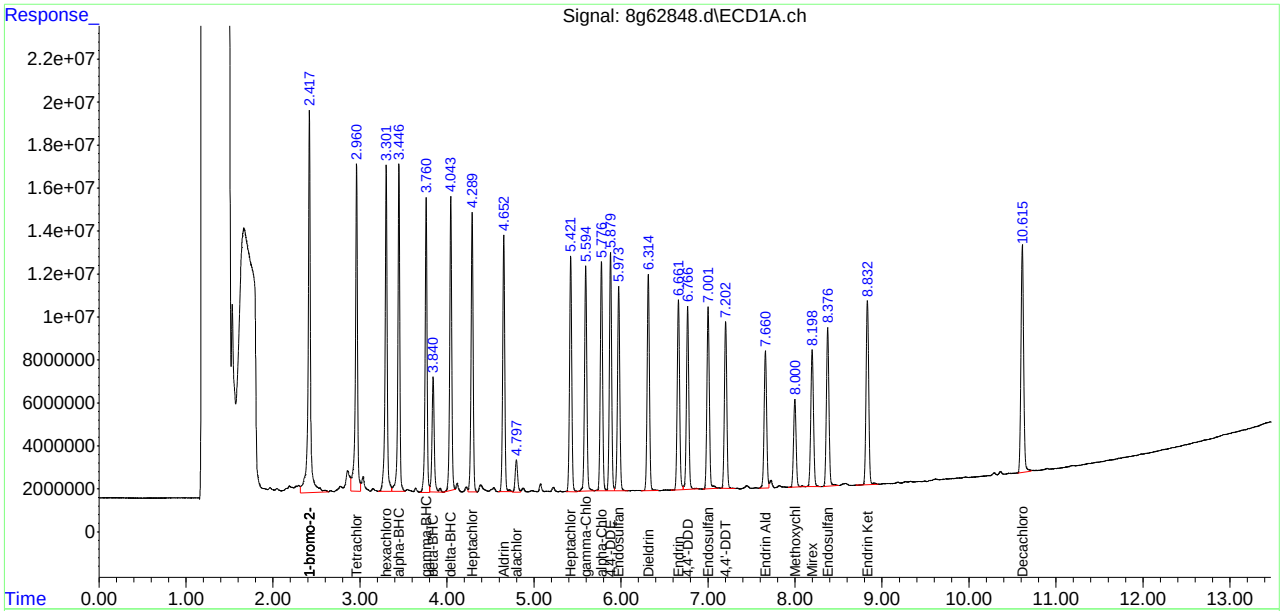
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

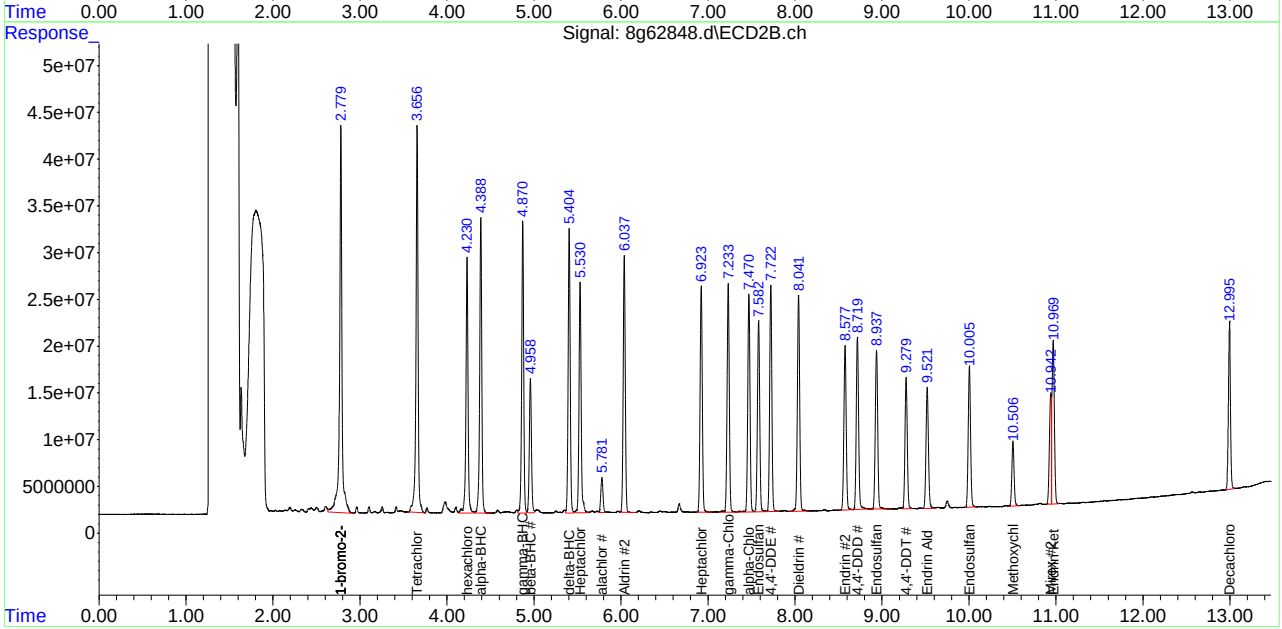
Quantitation Report (QT Reviewed)

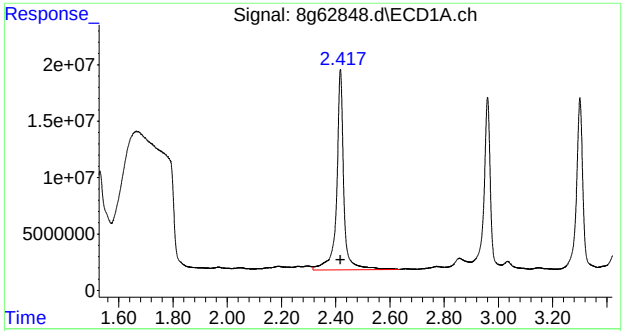
Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62848.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 4:36 pm
Operator : kyrac
Sample : op59852-bs1 m
Misc : op59852,g8g2704,5.0,,,10,1
ALS Vial : 81 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:31:19 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

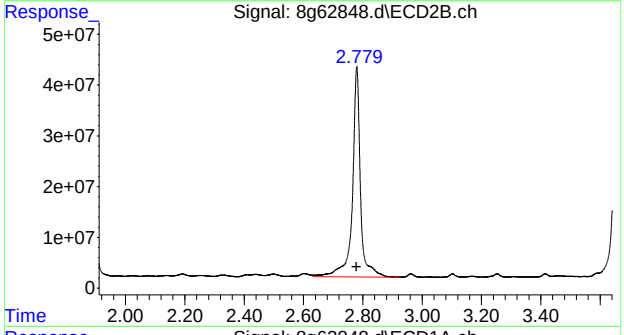






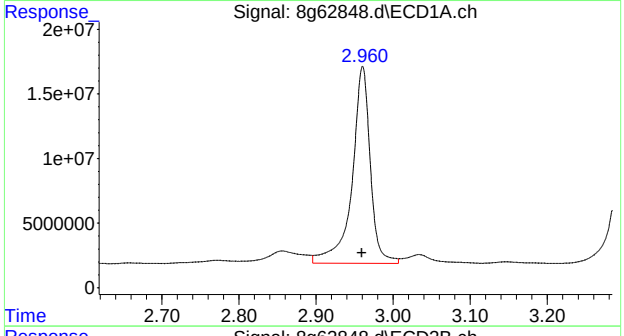
#1 1-bromo-2-nitrobenzene

R.T.: 2.418 min
Delta R.T.: 0.000 min
Response: 326396176
Conc: 5.00 PPB



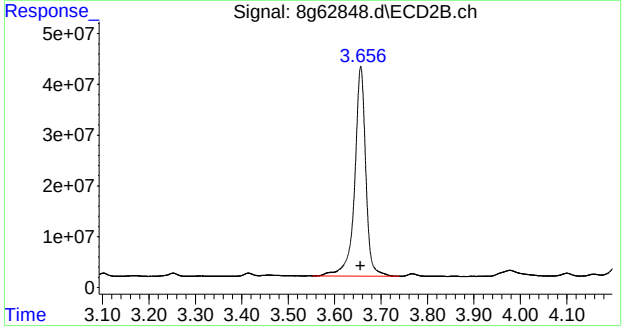
#1 1-bromo-2-nitrobenzene

R.T.: 2.780 min
Delta R.T.: 0.000 min
Response: 786817853
Conc: 5.00 PPB



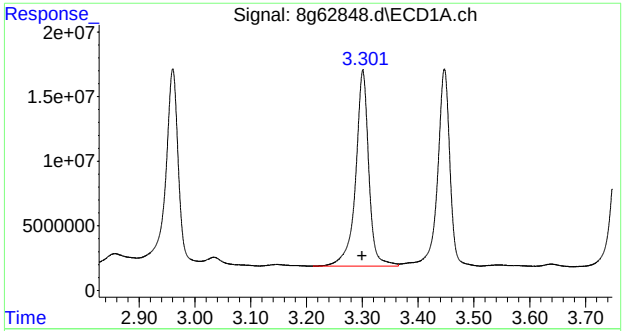
#2 Tetrachloro-m-xylene

R.T.: 2.960 min
Delta R.T.: 0.000 min
Response: 251299861
Conc: 3.99 PPB m



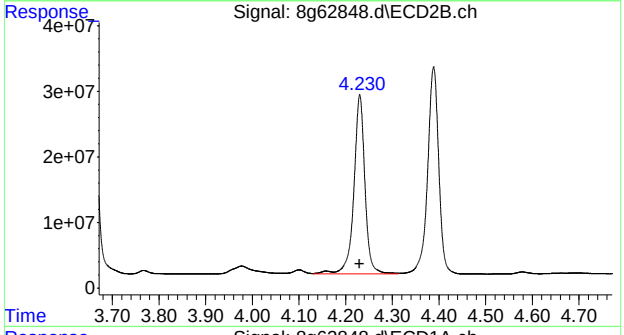
#2 Tetrachloro-m-xylene

R.T.: 3.656 min
Delta R.T.: 0.001 min
Response: 686310744
Conc: 3.56 PPB



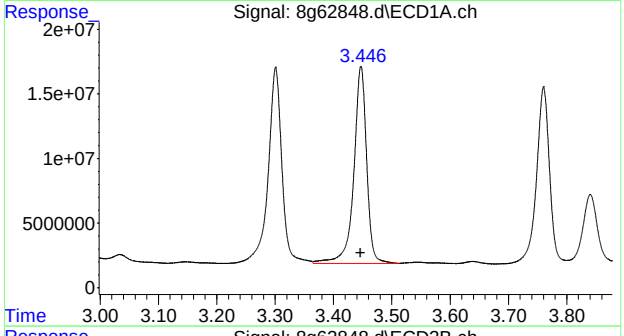
#3 hexachlorobenzene

R.T.: 3.301 min
Delta R.T.: 0.001 min
Response: 248331044
Conc: 2.50 PPB



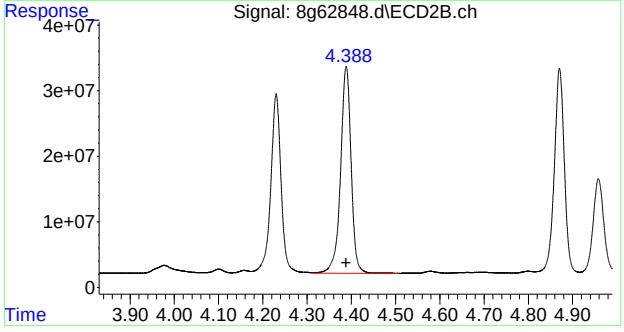
#3 hexachlorobenzene

R.T.: 4.230 min
Delta R.T.: 0.000 min
Response: 451976883
Conc: 2.20 PPB



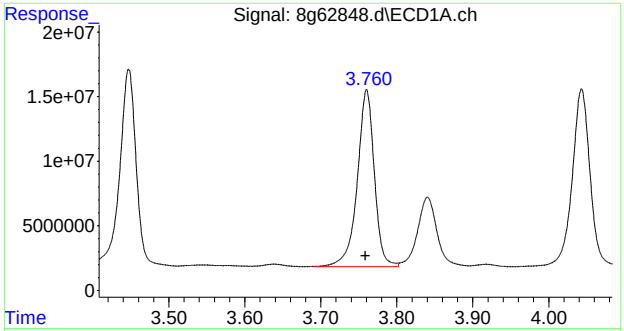
#4 alpha-BHC

R.T.: 3.447 min
Delta R.T.: 0.001 min
Response: 233944786
Conc: 2.66 PPB



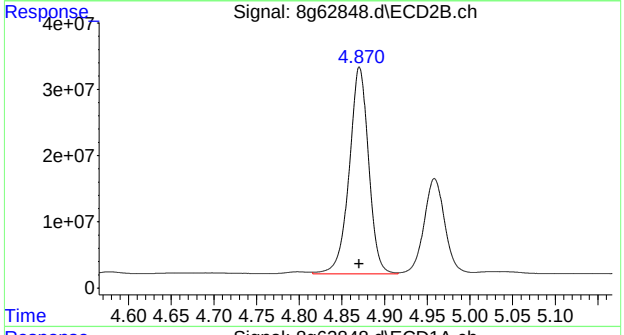
#4 alpha-BHC

R.T.: 4.388 min
Delta R.T.: 0.000 min
Response: 523589514
Conc: 2.19 PPB



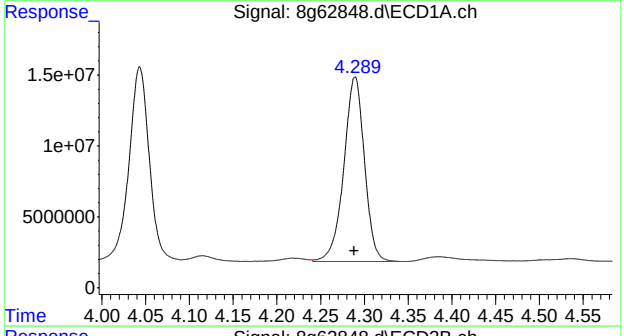
#5 gamma-BHC

R.T.: 3.760 min
Delta R.T.: 0.001 min
Response: 214314833
Conc: 2.60 PPB m



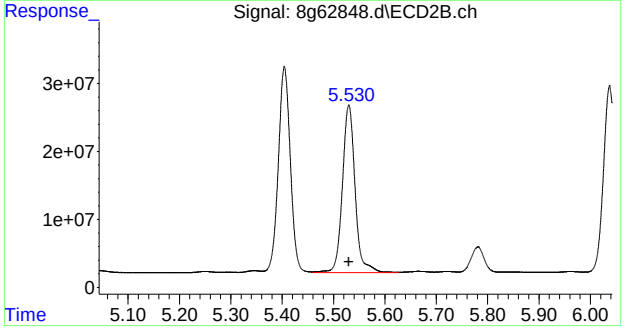
#5 gamma-BHC

R.T.: 4.870 min
Delta R.T.: 0.000 min
Response: 493158499
Conc: 2.33 PPB m



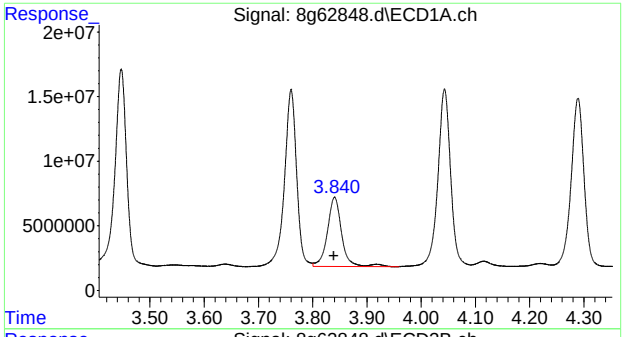
#6 Heptachlor

R.T.: 4.289 min
Delta R.T.: 0.001 min
Response: 213123015
Conc: 2.51 PPB m



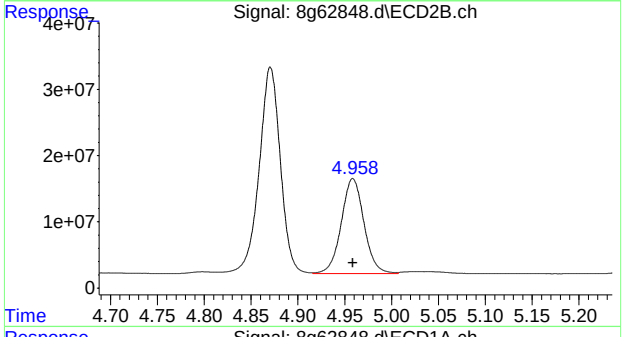
#6 Heptachlor

R.T.: 5.530 min
Delta R.T.: 0.000 min
Response: 422398870
Conc: 2.26 PPB



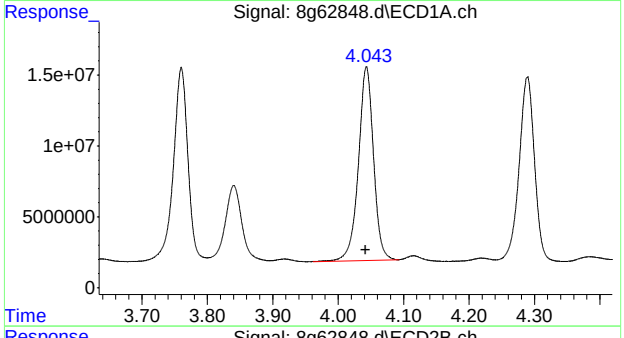
#7 beta-BHC

R.T.: 3.840 min
Delta R.T.: 0.002 min
Response: 98556134
Conc: 2.53 PPB



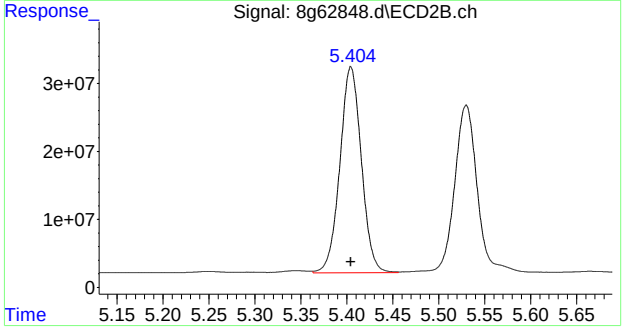
#7 beta-BHC

R.T.: 4.958 min
Delta R.T.: 0.000 min
Response: 242743596
Conc: 2.25 PPB m



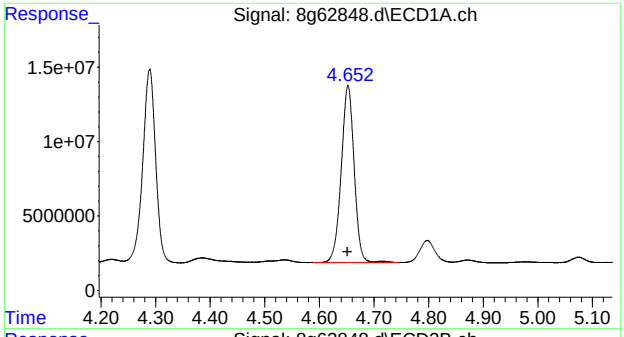
#8 delta-BHC

R.T.: 4.043 min
Delta R.T.: 0.002 min
Response: 219322625
Conc: 2.65 PPB



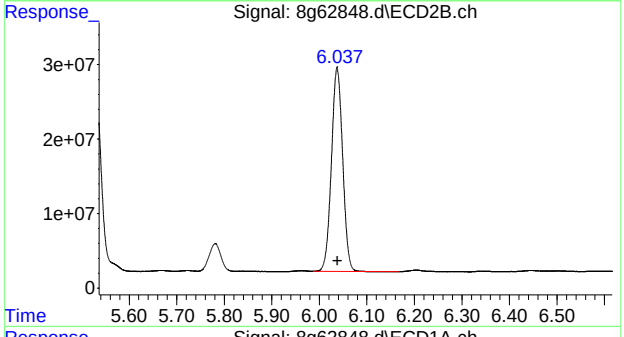
#8 delta-BHC

R.T.: 5.404 min
Delta R.T.: 0.000 min
Response: 493140307
Conc: 2.40 PPB m



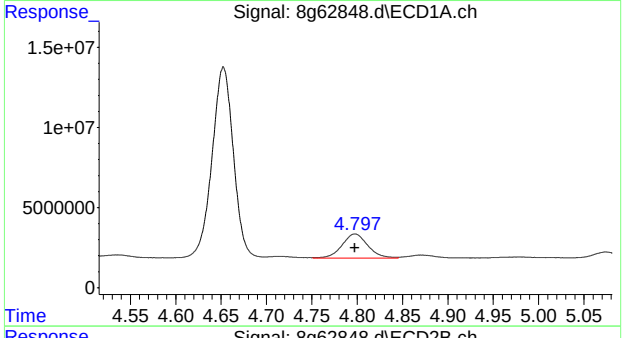
#9 Aldrin

R.T.: 4.652 min
Delta R.T.: 0.000 min
Response: 195608704
Conc: 2.61 PPB



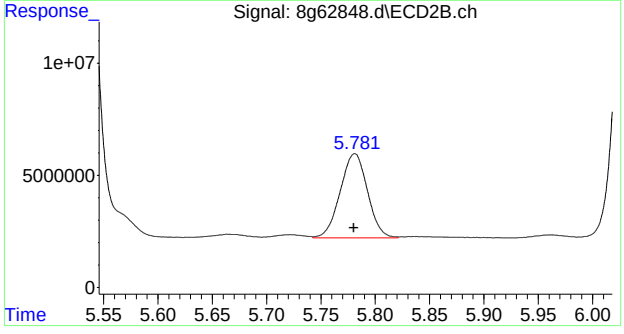
#9 Aldrin

R.T.: 6.038 min
Delta R.T.: 0.000 min
Response: 449908263
Conc: 2.32 PPB



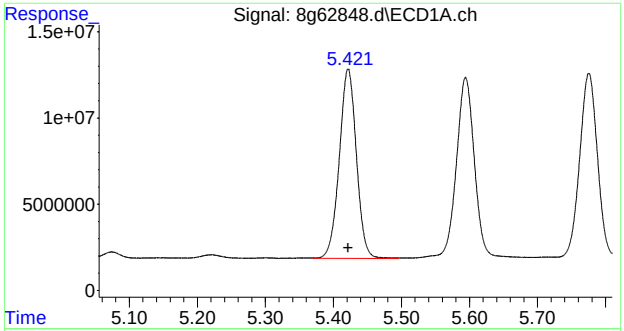
#10 alachlor

R.T.: 4.797 min
Delta R.T.: 0.000 min
Response: 30135573
Conc: 2.68 PPB m



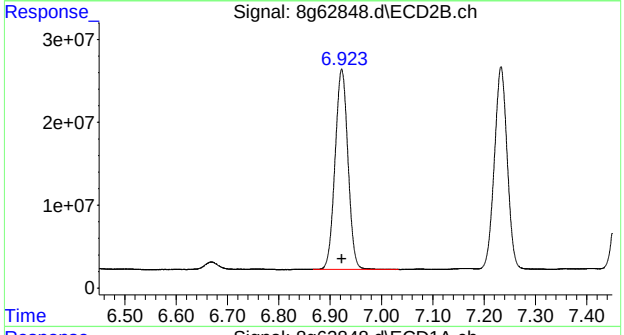
#10 alachlor

R.T.: 5.781 min
Delta R.T.: 0.000 min
Response: 65760160
Conc: 2.28 PPB m



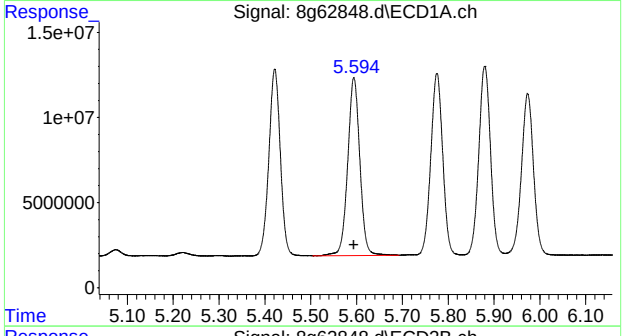
#11 Heptachlor Epoxide

R.T.: 5.421 min
Delta R.T.: 0.000 min
Response: 191554589
Conc: 2.59 PPB m



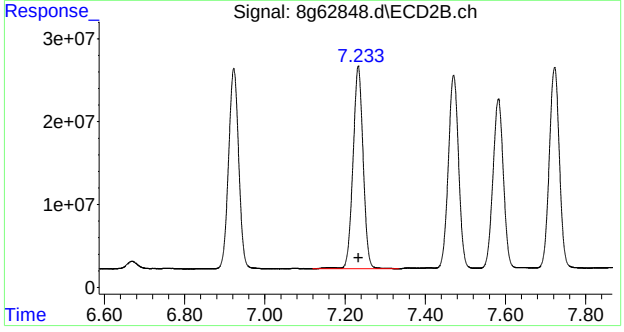
#11 Heptachlor Epoxide

R.T.: 6.923 min
Delta R.T.: 0.000 min
Response: 422355548
Conc: 2.31 PPB



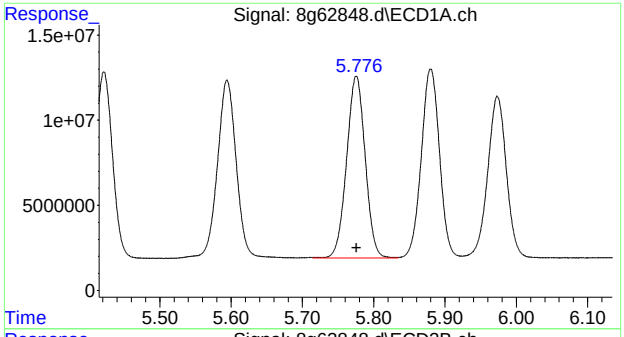
#12 gamma-Chlordane

R.T.: 5.595 min
Delta R.T.: 0.000 min
Response: 191902567
Conc: 2.43 PPB



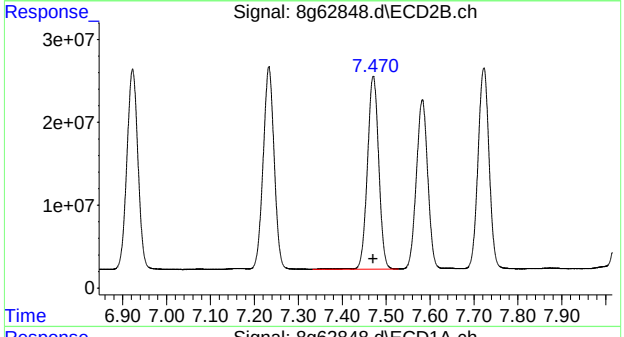
#12 gamma-Chlordane

R.T.: 7.233 min
Delta R.T.: 0.000 min
Response: 428632389
Conc: 2.37 PPB



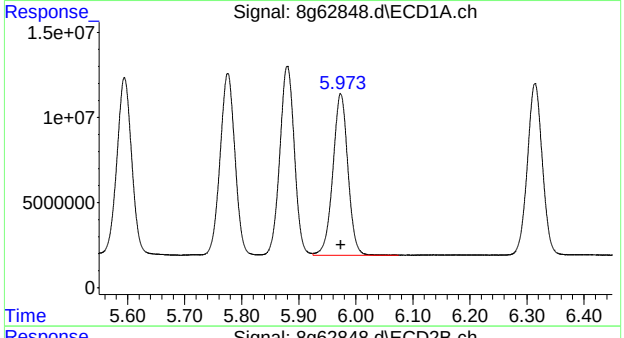
#13 alpha-Chlordane

R.T.: 5.776 min
Delta R.T.: 0.000 min
Response: 192963253
Conc: 2.63 PPB



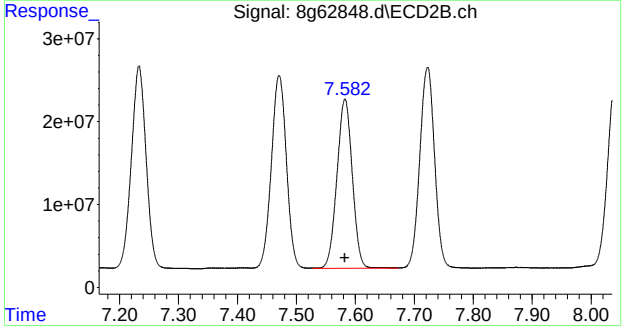
#13 alpha-Chlordane

R.T.: 7.471 min
Delta R.T.: 0.000 min
Response: 417786261
Conc: 2.32 PPB



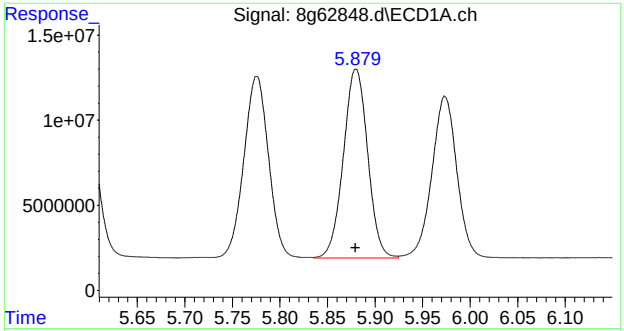
#14 Endosulfan I

R.T.: 5.974 min
Delta R.T.: 0.000 min
Response: 173769043
Conc: 2.53 PPB



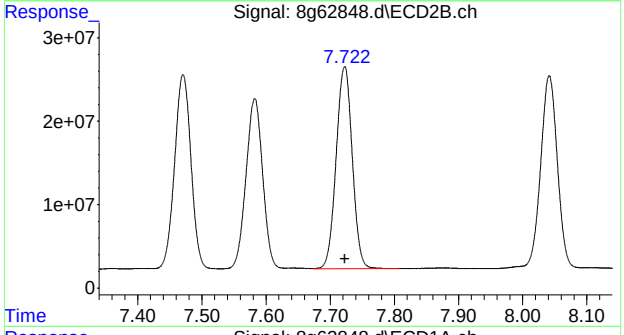
#14 Endosulfan I

R.T.: 7.582 min
Delta R.T.: 0.000 min
Response: 370327215
Conc: 2.25 PPB



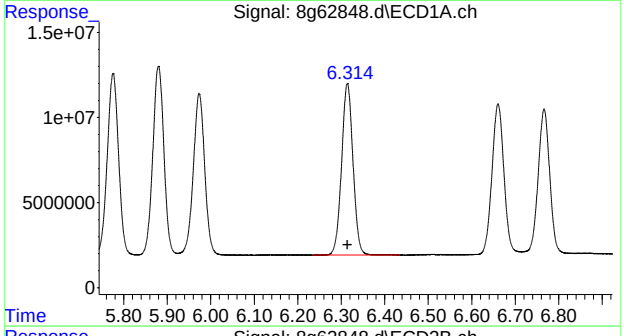
#15 4,4'-DDE

R.T.: 5.880 min
Delta R.T.: 0.000 min
Response: 197051819
Conc: 2.62 PPB



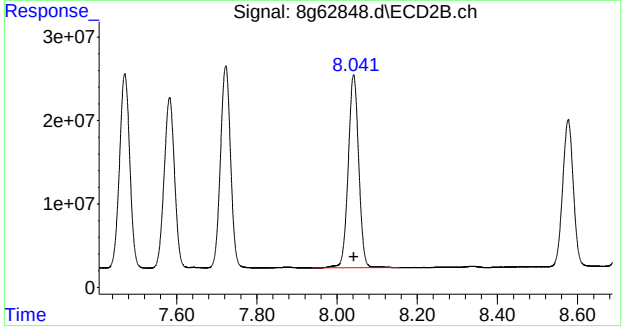
#15 4,4'-DDE

R.T.: 7.722 min
Delta R.T.: 0.000 min
Response: 423160986
Conc: 2.43 PPB



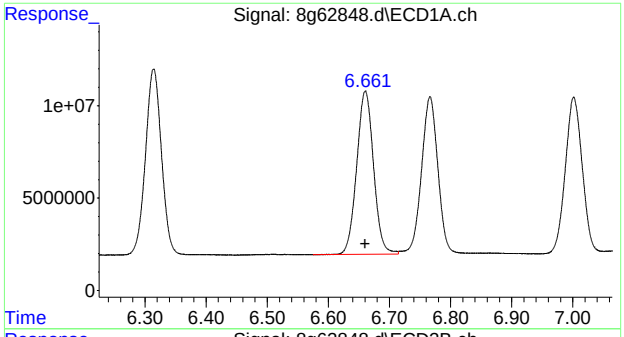
#16 Dieldrin

R.T.: 6.314 min
Delta R.T.: 0.000 min
Response: 184087593
Conc: 2.46 PPB



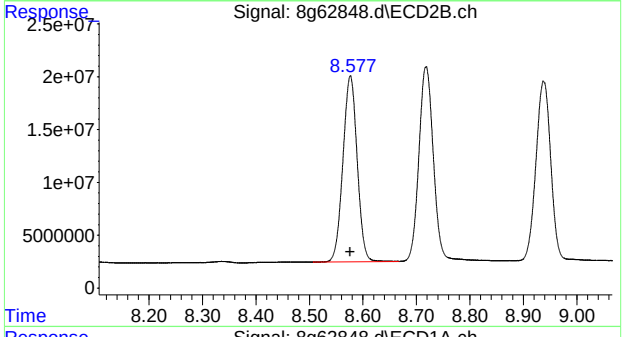
#16 Dieldrin

R.T.: 8.041 min
Delta R.T.: 0.000 min
Response: 420786979
Conc: 2.26 PPB



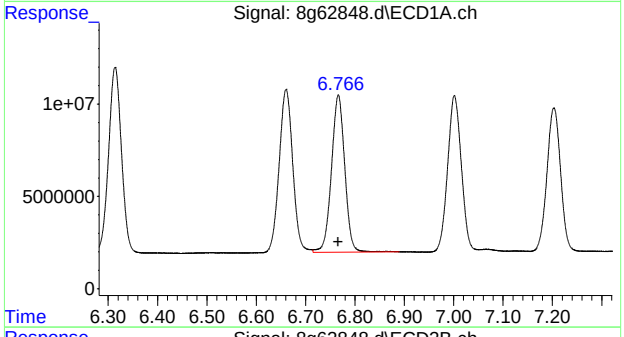
#17 Endrin

R.T.: 6.661 min
Delta R.T.: 0.000 min
Response: 169537224
Conc: 2.88 PPB



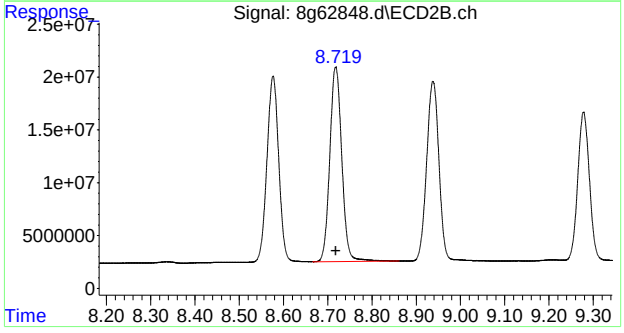
#17 Endrin

R.T.: 8.576 min
Delta R.T.: 0.000 min
Response: 324581181
Conc: 2.42 PPB



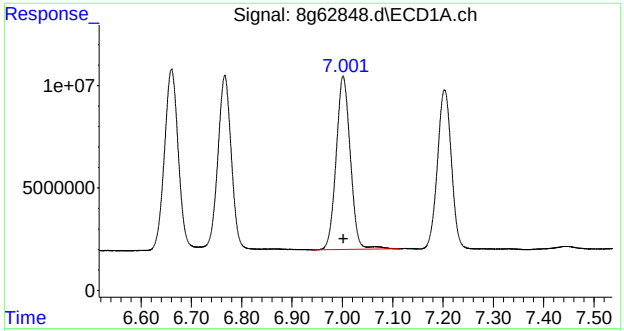
#18 4,4'-DDD

R.T.: 6.766 min
Delta R.T.: 0.000 min
Response: 159125403
Conc: 2.53 PPB



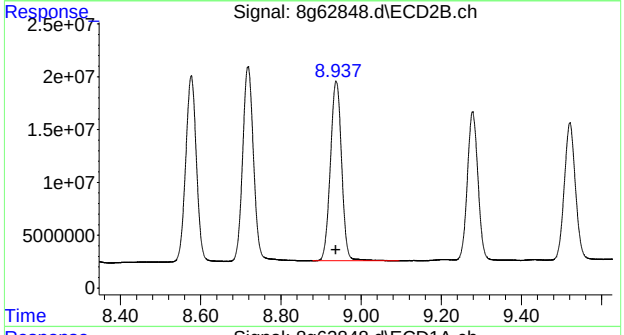
#18 4,4'-DDD

R.T.: 8.718 min
Delta R.T.: 0.000 min
Response: 346417056
Conc: 2.26 PPB



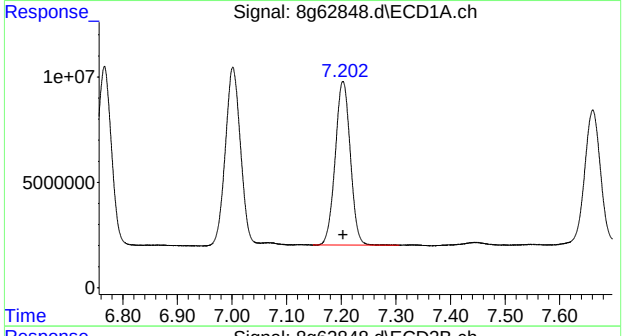
#19 Endosulfan II

R.T.: 7.002 min
Delta R.T.: 0.000 min
Response: 165520148
Conc: 2.52 PPB



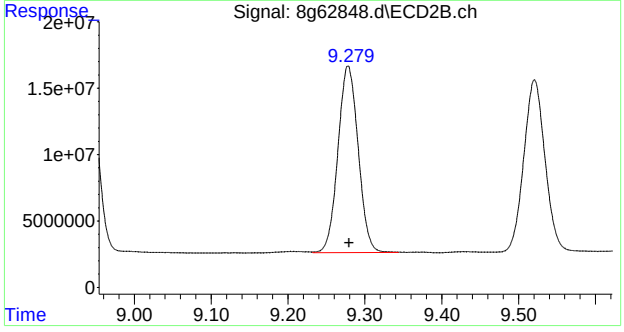
#19 Endosulfan II

R.T.: 8.938 min
Delta R.T.: 0.002 min
Response: 328921865
Conc: 2.11 PPB



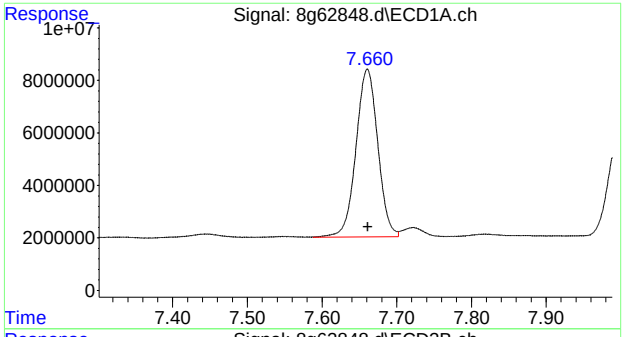
#20 4,4'-DDT

R.T.: 7.203 min
Delta R.T.: 0.000 min
Response: 149044989
Conc: 2.34 PPB



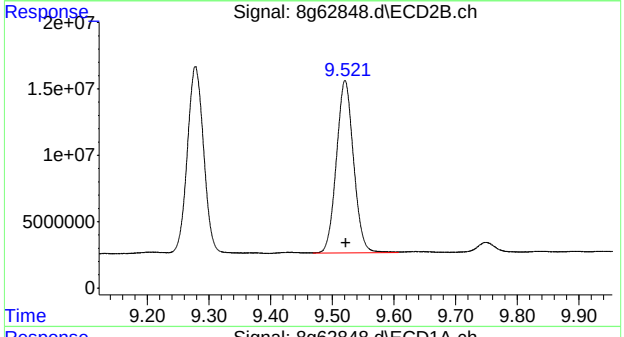
#20 4,4'-DDT

R.T.: 9.279 min
Delta R.T.: 0.000 min
Response: 257578601
Conc: 2.03 PPB m



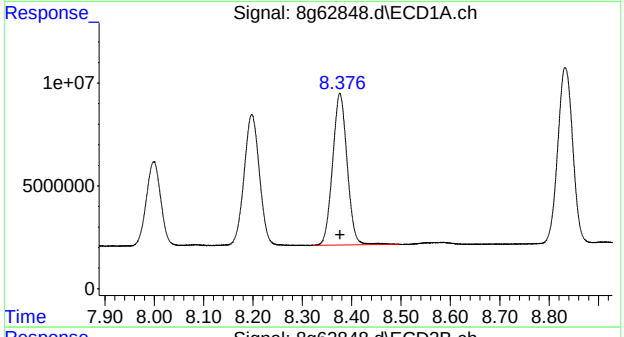
#21 Endrin Aldehyde

R.T.: 7.660 min
Delta R.T.: 0.000 min
Response: 129661801
Conc: 2.40 PPB m



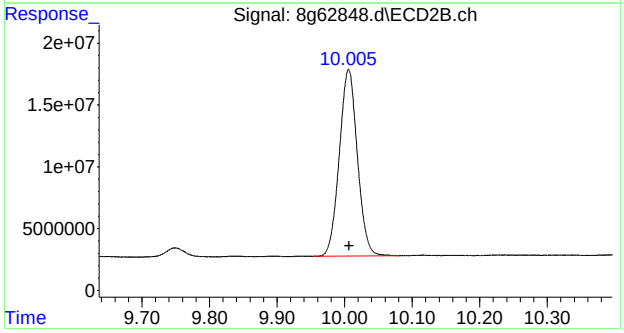
#21 Endrin Aldehyde

R.T.: 9.521 min
Delta R.T.: -0.001 min
Response: 250659584
Conc: 2.05 PPB m



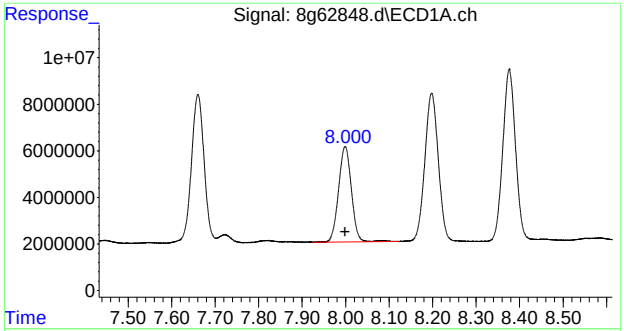
#22 Endosulfan Sulfate

R.T.: 8.376 min
Delta R.T.: 0.000 min
Response: 151358445
Conc: 2.47 PPB



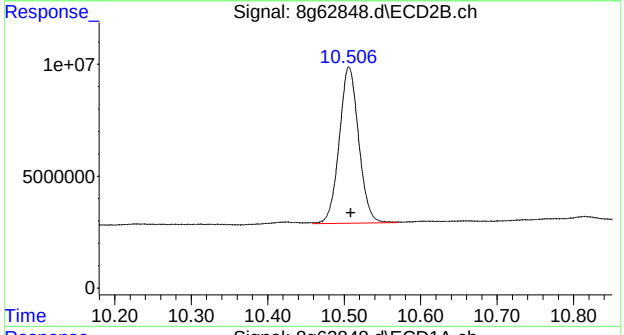
#22 Endosulfan Sulfate

R.T.: 10.006 min
Delta R.T.: 0.000 min
Response: 280344616
Conc: 1.99 PPB



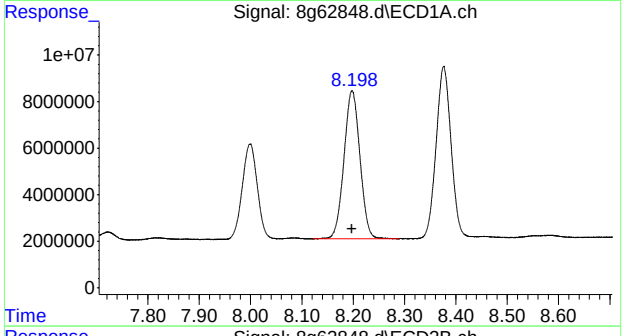
#23 Methoxychlor

R.T.: 7.999 min
Delta R.T.: 0.000 min
Response: 84042878
Conc: 2.27 PPB



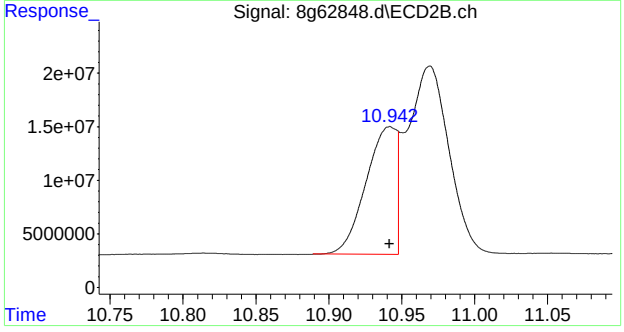
#23 Methoxychlor

R.T.: 10.506 min
Delta R.T.: -0.003 min
Response: 123176286
Conc: 1.96 PPB m



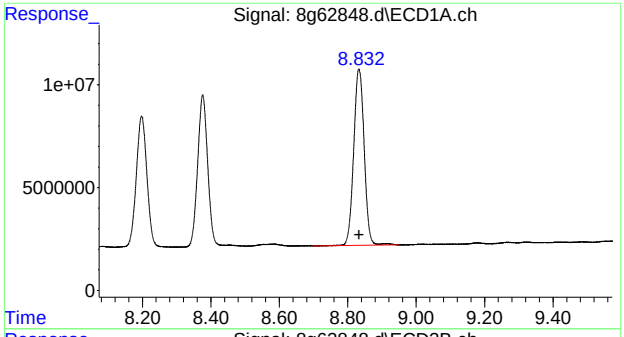
#24 Mirex

R.T.: 8.198 min
Delta R.T.: 0.000 min
Response: 137671164
Conc: 2.46 PPB



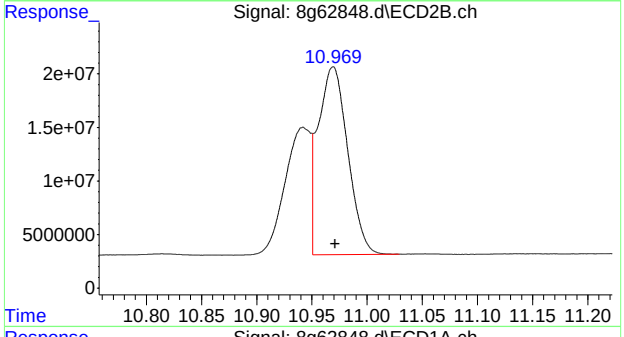
#24 Mirex

R.T.: 10.942 min
Delta R.T.: 0.000 min
Response: 175589870
Conc: 1.95 PPB m



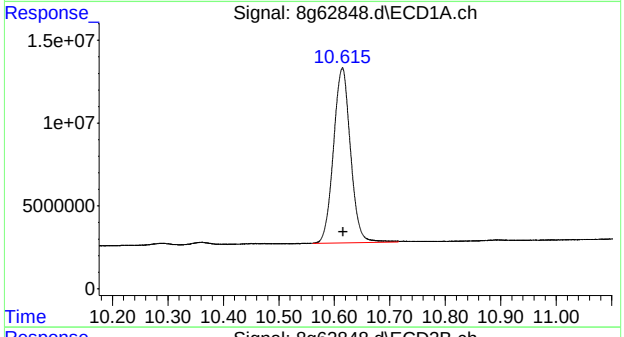
#25 Endrin Ketone

R.T.: 8.833 min
Delta R.T.: 0.000 min
Response: 182431856
Conc: 2.36 PPB



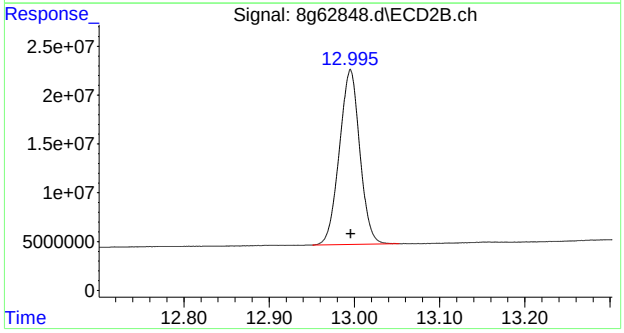
#25 Endrin Ketone

R.T.: 10.969 min
Delta R.T.: -0.002 min
Response: 323637867
Conc: 1.68 PPB m



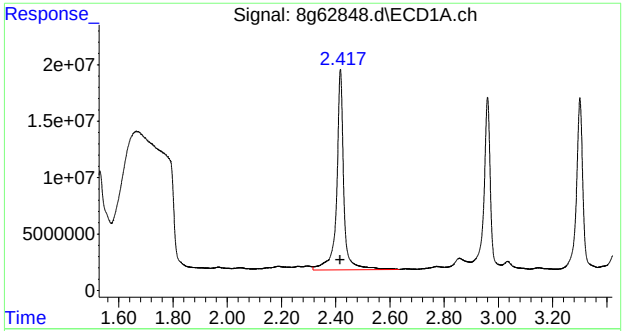
#26 Decachlorobiphenyl

R.T.: 10.615 min
Delta R.T.: 0.000 min
Response: 225493800
Conc: 3.72 PPB m



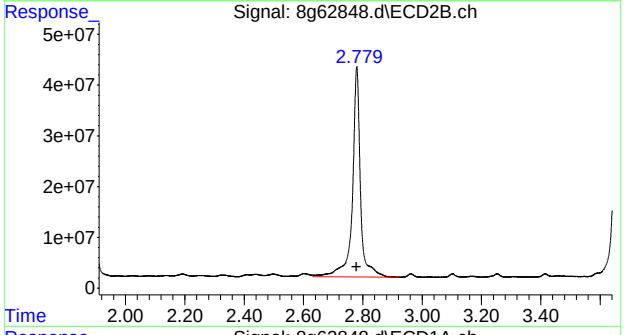
#26 Decachlorobiphenyl

R.T.: 12.995 min
Delta R.T.: 0.000 min
Response: 298356238
Conc: 2.74 PPB m



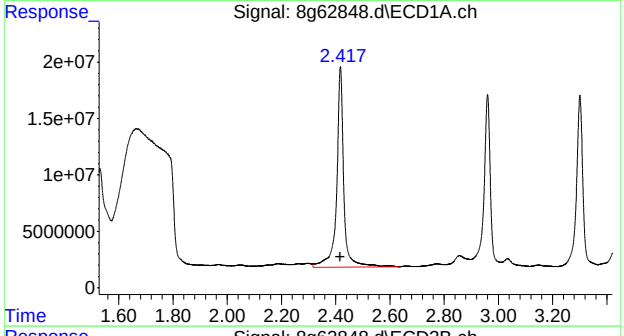
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.418 min
Delta R.T.: 0.000 min
Response: 326396176
Conc: 5.00 PPB



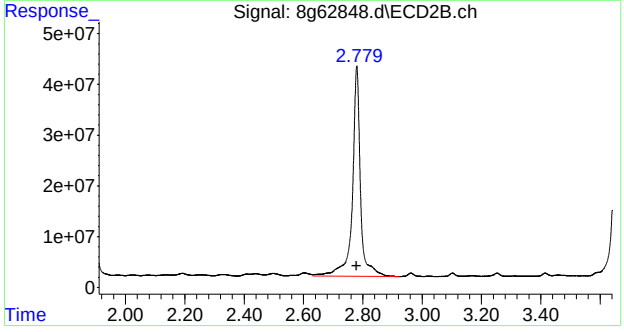
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.780 min
Delta R.T.: 0.000 min
Response: 786817853
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.418 min
Delta R.T.: 0.000 min
Response: 326396176
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.780 min
Delta R.T.: 0.000 min
Response: 786817853
Conc: 5.00 PPB

Manual Integration Approval Summary

Sample Number: OP59852-BS1
Lab FileID: 8G62848.D
Injection Time: 12/04/24 16:36
Method: SW846 8081B
Analyst approved: 12/05/24 01:09 Christopher Changho
Supervisor approved: 12/05/24 08:41 Gwendolyn Burns

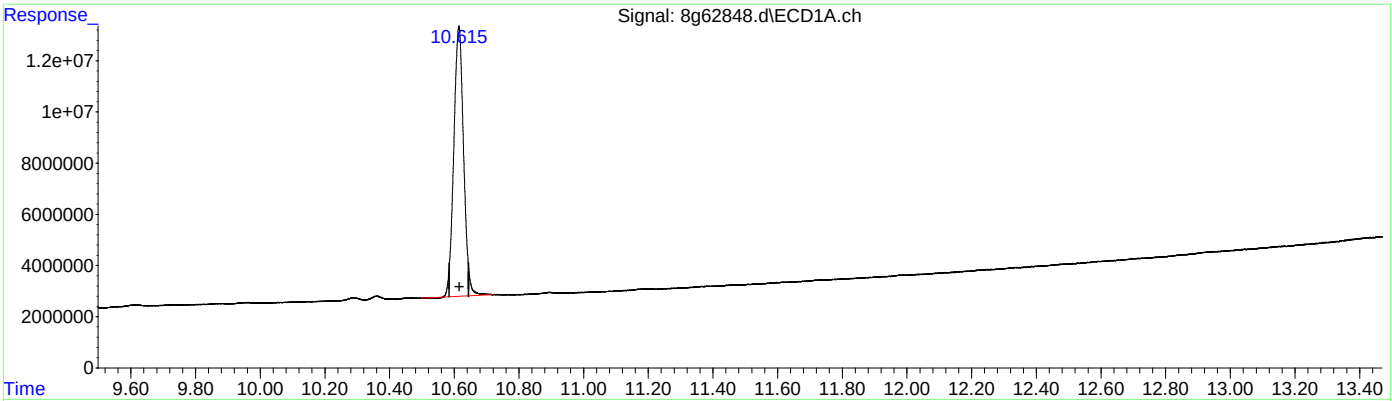
Parameter	CAS	Sig#	R.T. (min.)	Reason
Tetrachloro-m-xylene	877-09-8	1	2.96	Poorly defined baseline
gamma-BHC (Lindane)	58-89-9	1	3.76	Poorly defined baseline
Heptachlor	76-44-8	1	4.29	Poorly defined baseline
Alachlor	15972-60-8	1	4.80	Poorly defined baseline
gamma-BHC (Lindane)	58-89-9	2	4.87	Poorly defined baseline
beta-BHC	319-85-7	2	4.96	Poorly defined baseline
delta-BHC	319-86-8	2	5.40	Poorly defined baseline
Heptachlor epoxide	1024-57-3	1	5.42	Poorly defined baseline
Alachlor	15972-60-8	2	5.78	Poorly defined baseline
Endrin aldehyde	7421-93-4	1	7.66	Poorly defined baseline
4,4'-DDT	50-29-3	2	9.28	Poorly defined baseline
Endrin aldehyde	7421-93-4	2	9.52	Poorly defined baseline
Methoxychlor	72-43-5	2	10.51	Poorly defined baseline
Decachlorobiphenyl	2051-24-3	1	10.61	Poorly defined baseline
Mirex	2385-85-5	2	10.94	Poorly defined baseline
Endrin ketone	53494-70-5	2	10.97	Poorly defined baseline
Decachlorobiphenyl	2051-24-3	2	12.99	Poorly defined baseline

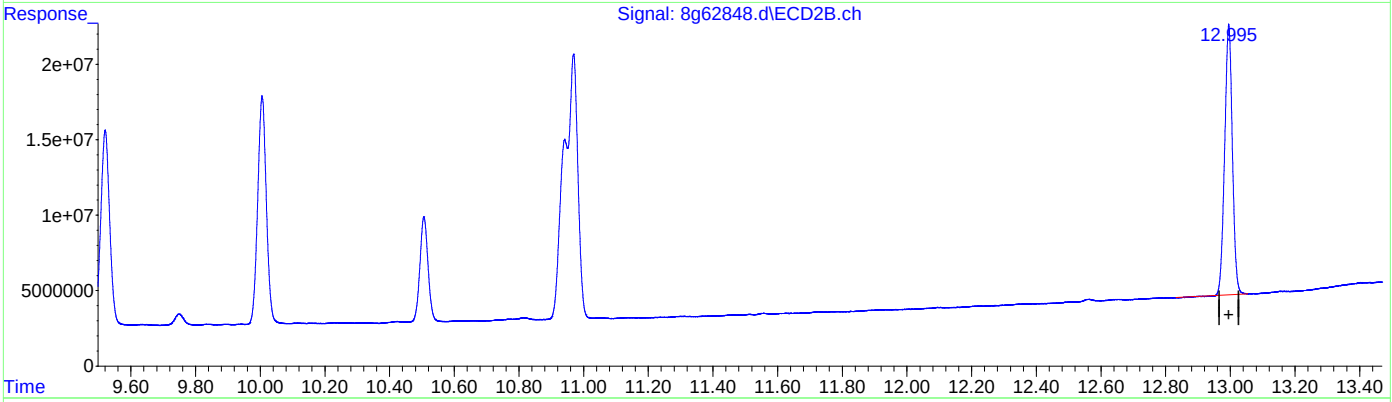
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62848.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 4:36 pm
Operator : kyrac
Sample : op59852-bs1 m
Misc : op59852,g8g2704,5.0,,,10,1
ALS Vial : 81 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:39 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(26) Decachlorobiphenyl (SA)

10.614min 3.668 PPB

response 222218635

(26) Decachlorobiphenyl #2 (SA)

12.995min 2.712 PPB

response 295741949

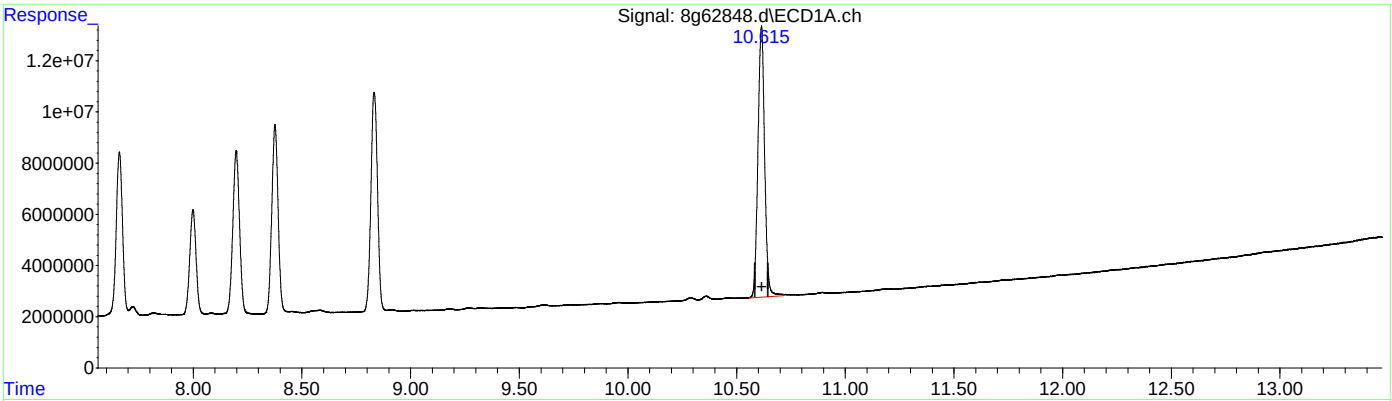
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:28:38 2024

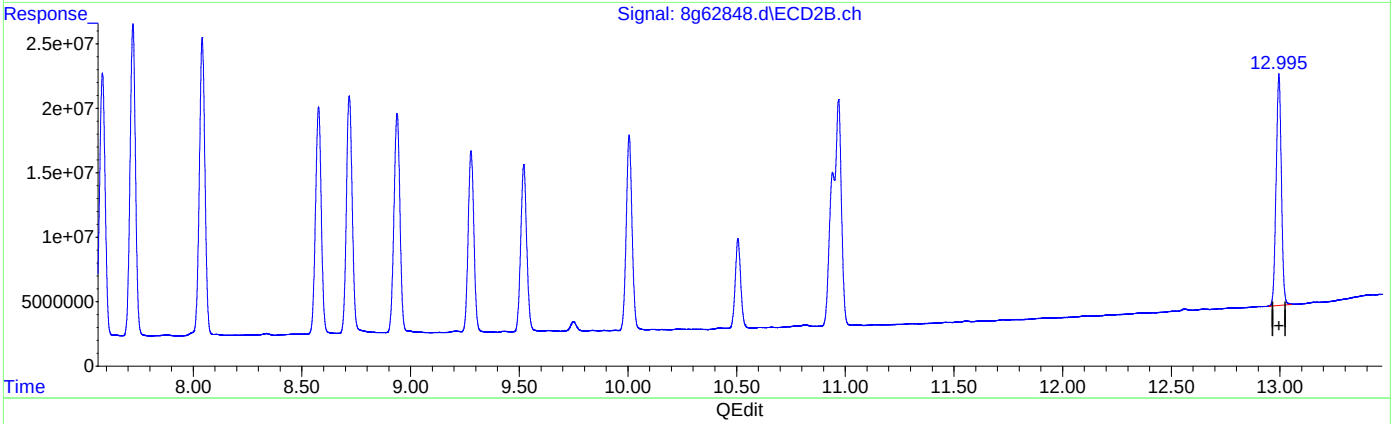
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62848.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 4:36 pm
Operator : kyrac
Sample : op59852-bs1 m
Misc : op59852,g8g2704,5.0,,,10,1
ALS Vial : 81 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:39 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(26) Decachlorobiphenyl (SA)

10.615min 3.722 PPB m

response 225493800

(26) Decachlorobiphenyl #2 (SA)

12.995min 2.736 PPB m

response 298356238

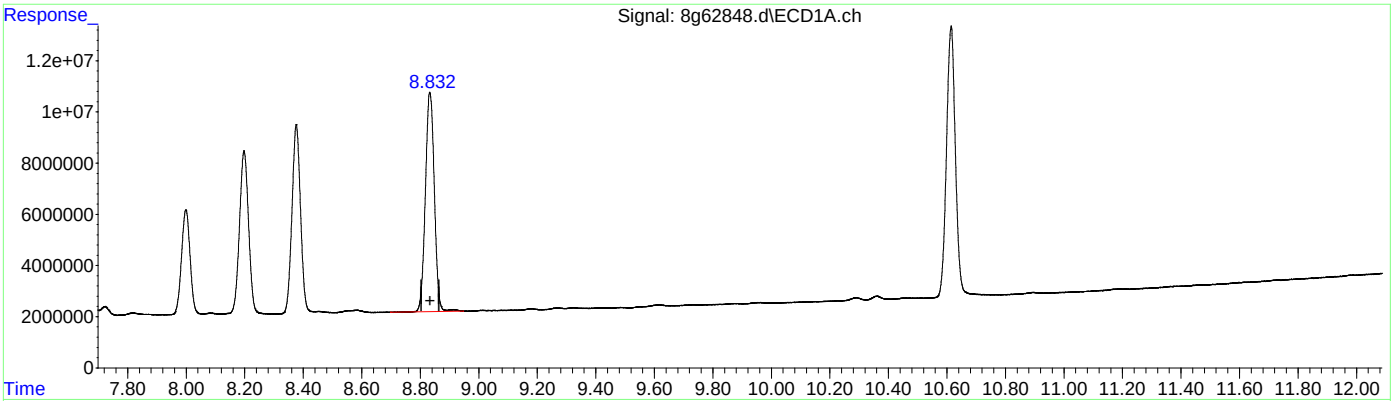
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:28:47 2024

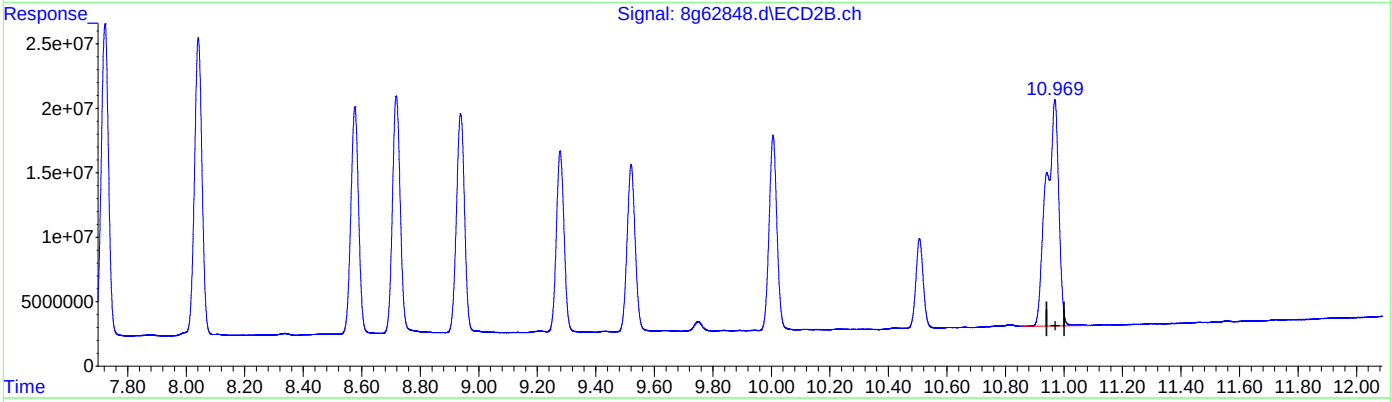
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62848.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 4:36 pm
Operator : kyrac
Sample : op59852-bs1 m
Misc : op59852,g8g2704,5.0,,,10,1
ALS Vial : 81 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:39 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(25) Endrin Ketone (B)

8.833min 2.355 PPB

response 182431856

(25) Endrin Ketone #2 (B)

10.968min 2.708 PPB

response 520583200

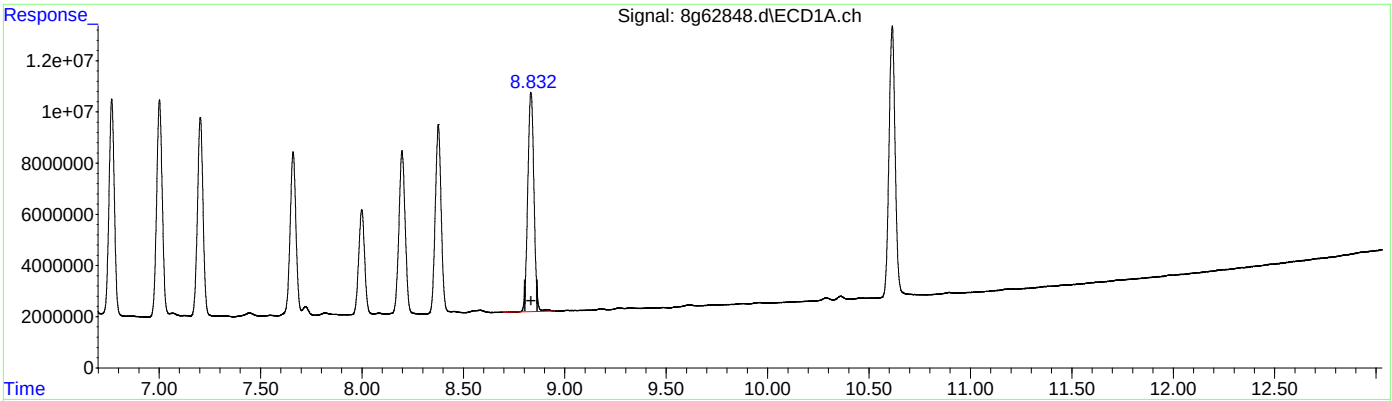
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:28:50 2024

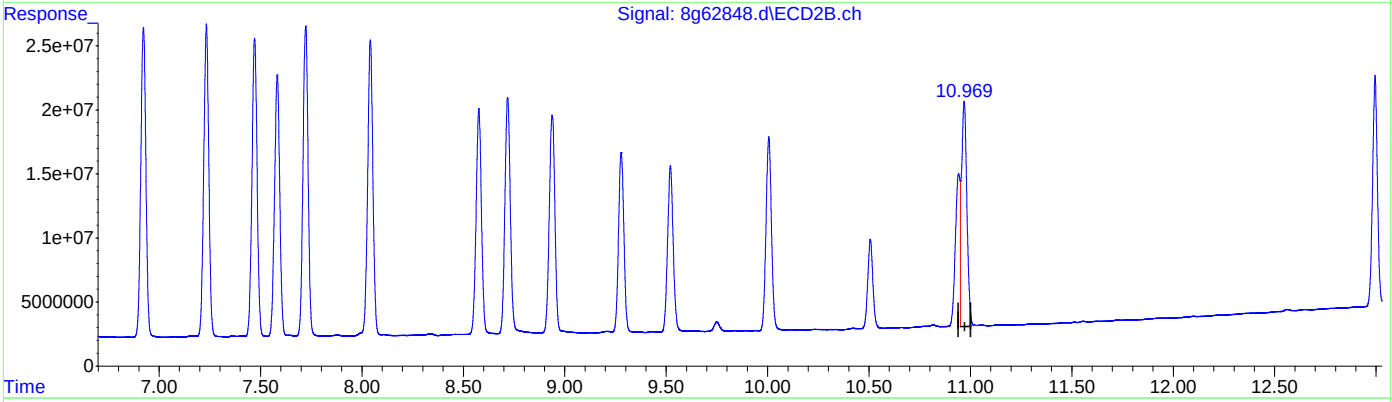
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62848.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 4:36 pm
Operator : kyrac
Sample : op59852-bs1 m
Misc : op59852,g8g2704,5.0,,,10,1
ALS Vial : 81 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:39 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(25) Endrin Ketone (B)

8.833min 2.355 PPB

response 182431856

(25) Endrin Ketone #2 (B)

10.969min 1.684 PPB m

response 323637867

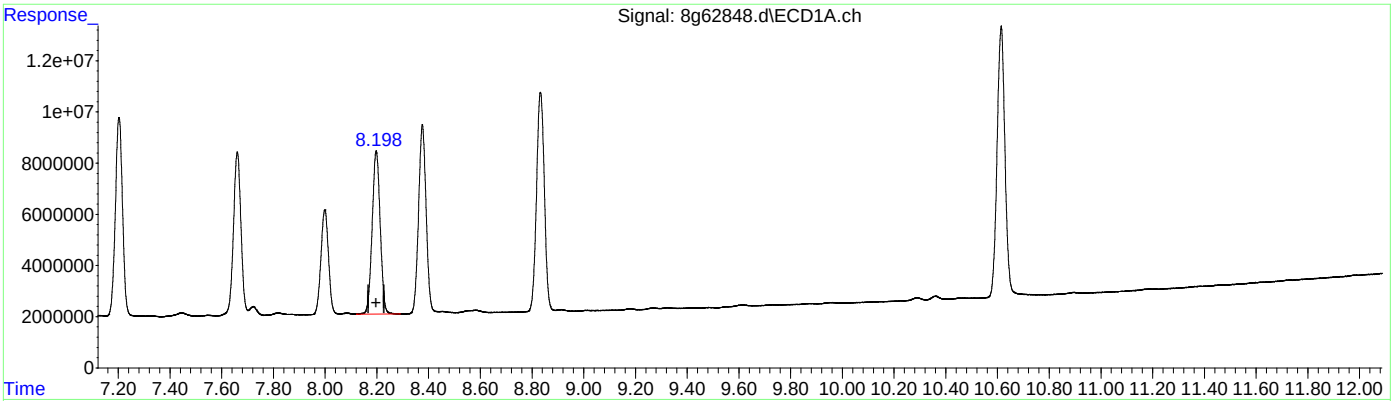
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:28:57 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62848.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 4:36 pm
Operator : kyrac
Sample : op59852-bs1 m
Misc : op59852,g8g2704,5.0,,,10,1
ALS Vial : 81 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:39 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(24) Mirex

8.198min 2.455 PPB

response 137671164

(24) Mirex #2

10.968min 5.770 PPB

response 520583200

(+) = Expected Retention Time

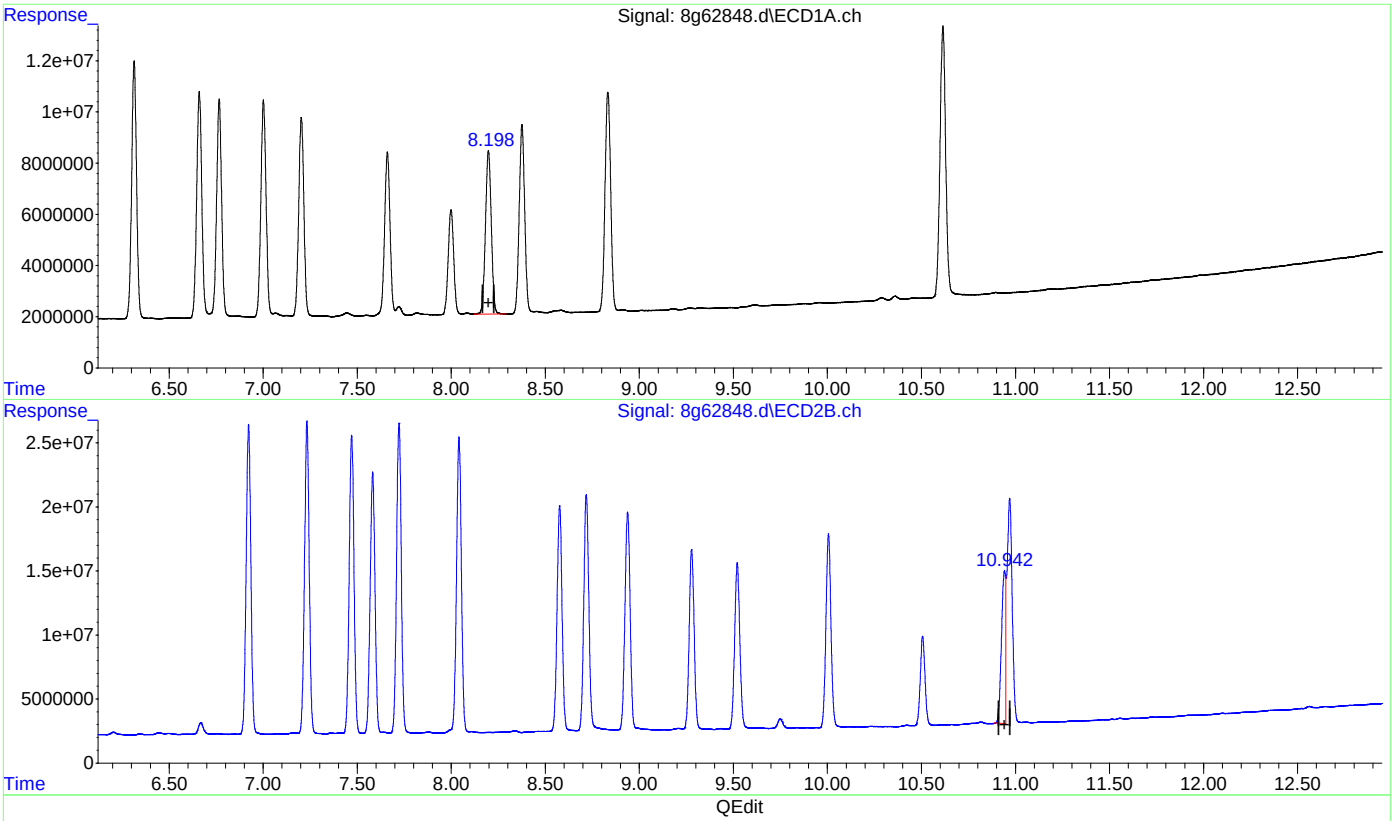
8PSTLVI2596a.M Thu Dec 05 02:28:59 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62848.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 4:36 pm
Operator : kyrac
Sample : op59852-bs1 m
Misc : op59852,g8g2704,5.0,,,10,1
ALS Vial : 81 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:39 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(24) Mirex

8.198min 2.455 PPB

response 137671164

(24) Mirex #2

10.942min 1.946 PPB m

response 175589870

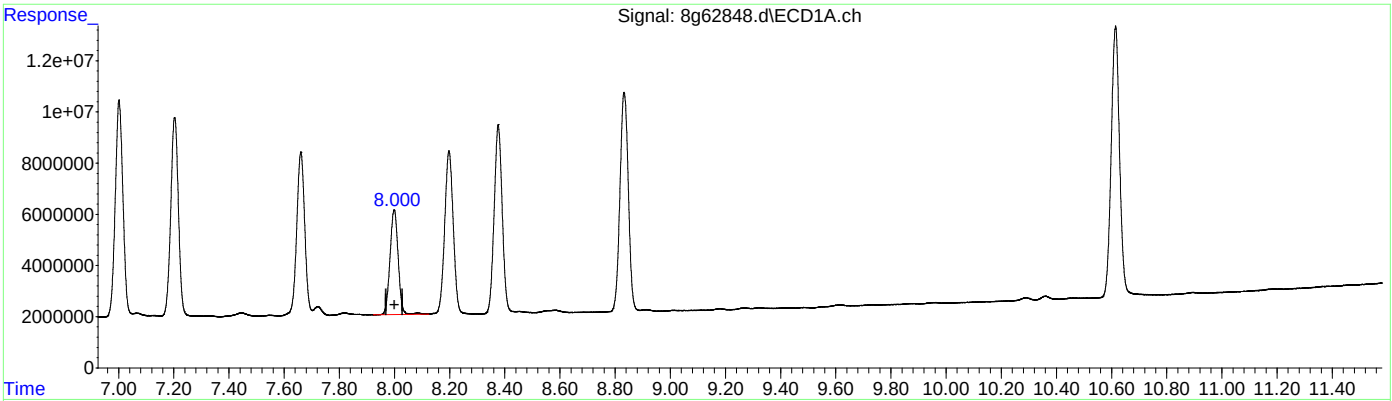
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:29:23 2024

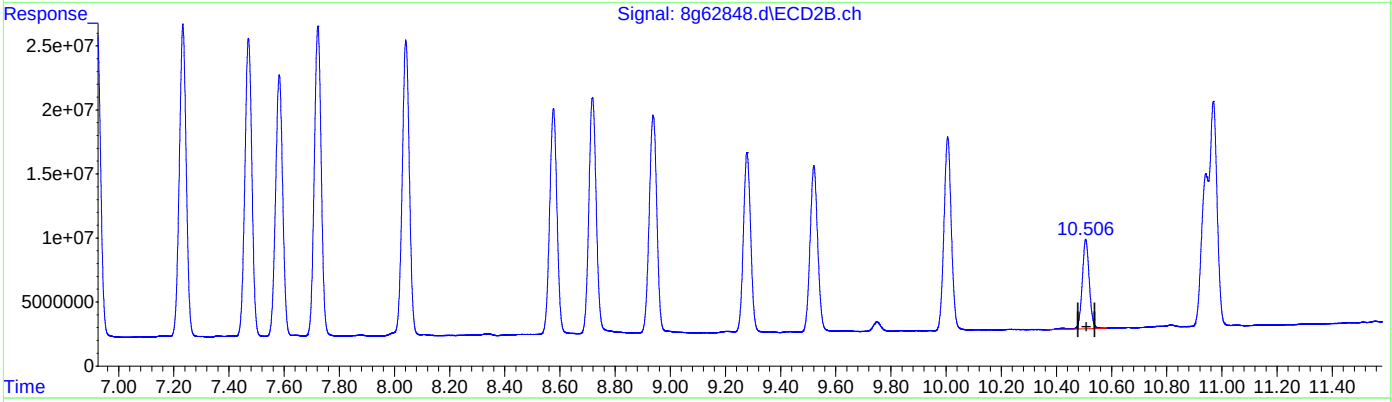
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62848.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 4:36 pm
Operator : kyrac
Sample : op59852-bs1 m
Misc : op59852,g8g2704,5.0,,,10,1
ALS Vial : 81 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:39 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(23) Methoxychlor (A)

7.999min 2.273 PPB

response 84042878

(23) Methoxychlor #2 (A)

10.507min 1.991 PPB

response 125353679

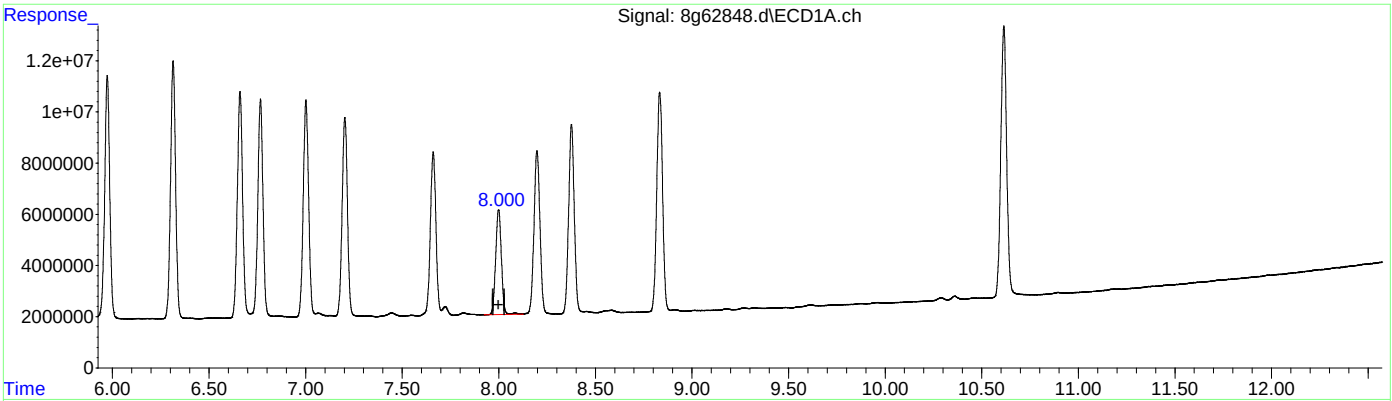
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:29:28 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62848.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 4:36 pm
Operator : kyrac
Sample : op59852-bs1 m
Misc : op59852,g8g2704,5.0,,,10,1
ALS Vial : 81 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:39 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(23) Methoxychlor (A)

7.999min 2.273 PPB

response 84042878

(23) Methoxychlor #2 (A)

10.506min 1.957 PPB m

response 123176286

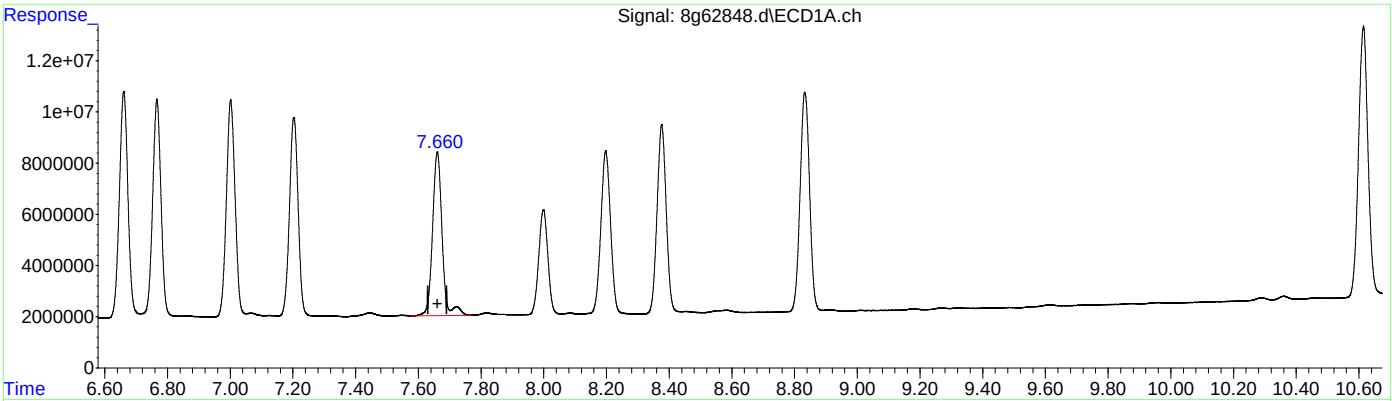
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:29:32 2024

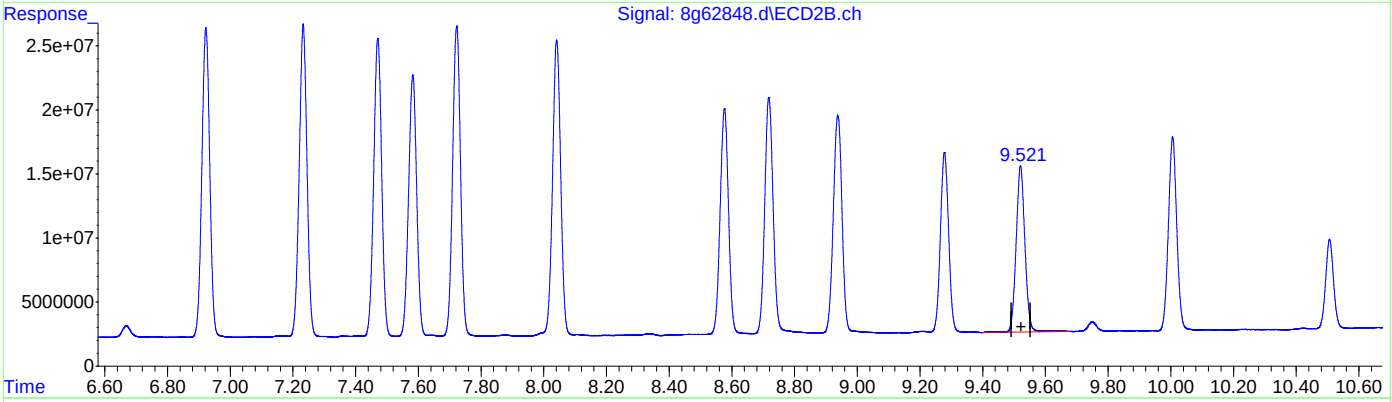
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62848.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 4:36 pm
Operator : kyrac
Sample : op59852-bs1 m
Misc : op59852,g8g2704,5.0,,,10,1
ALS Vial : 81 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:39 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(21) Endrin Aldehyde (B)

7.661min 2.518 PPB

response 136168946

(21) Endrin Aldehyde #2 (B)

9.521min 2.079 PPB

response 254156904

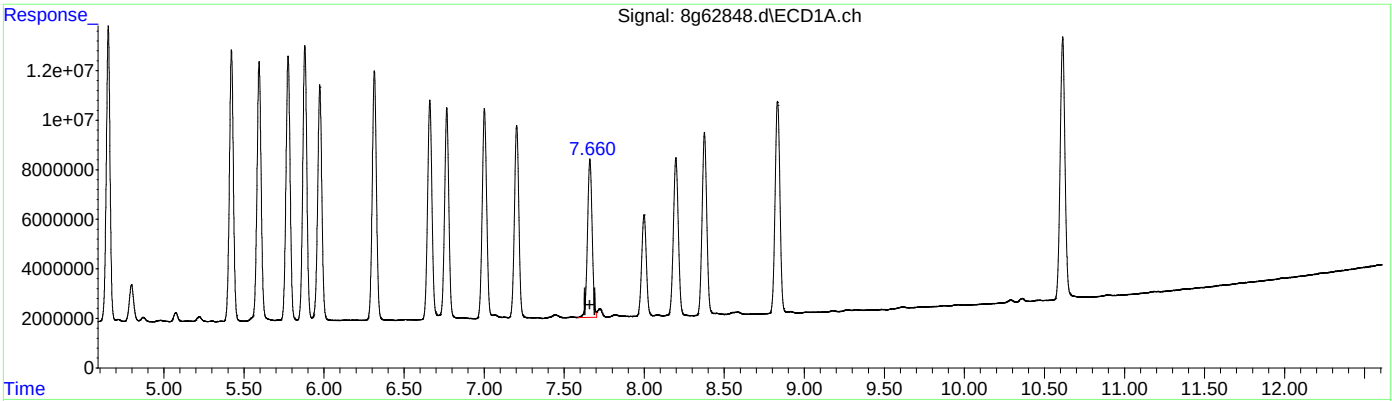
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:29:37 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62848.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 4:36 pm
Operator : kyrac
Sample : op59852-bs1 m
Misc : op59852,g8g2704,5.0,,,10,1
ALS Vial : 81 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:39 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(21) Endrin Aldehyde (B)

7.660min 2.398 PPB m

response 129661801

(21) Endrin Aldehyde #2 (B)

9.521min 2.050 PPB m

response 250659584

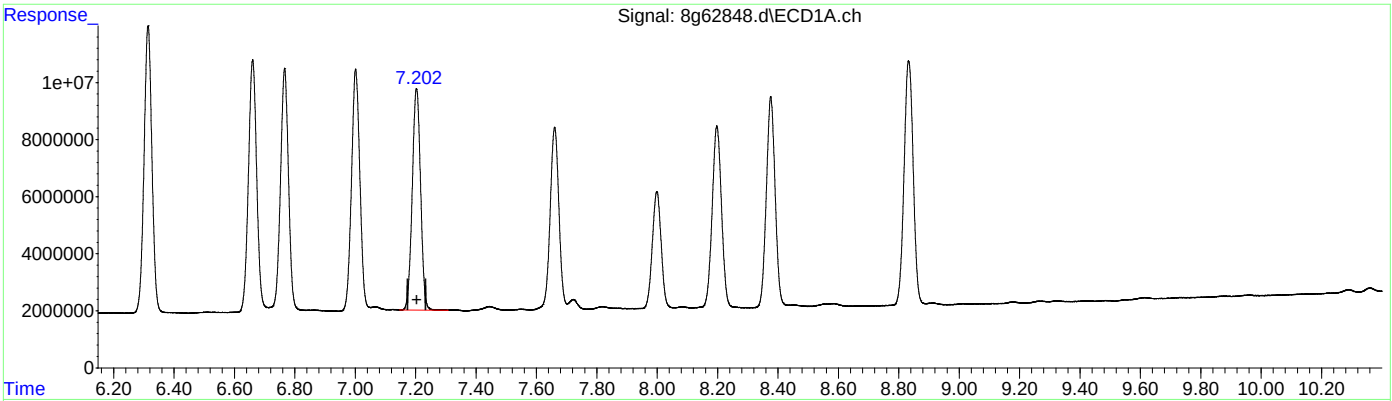
(+) = Expected Retention Time

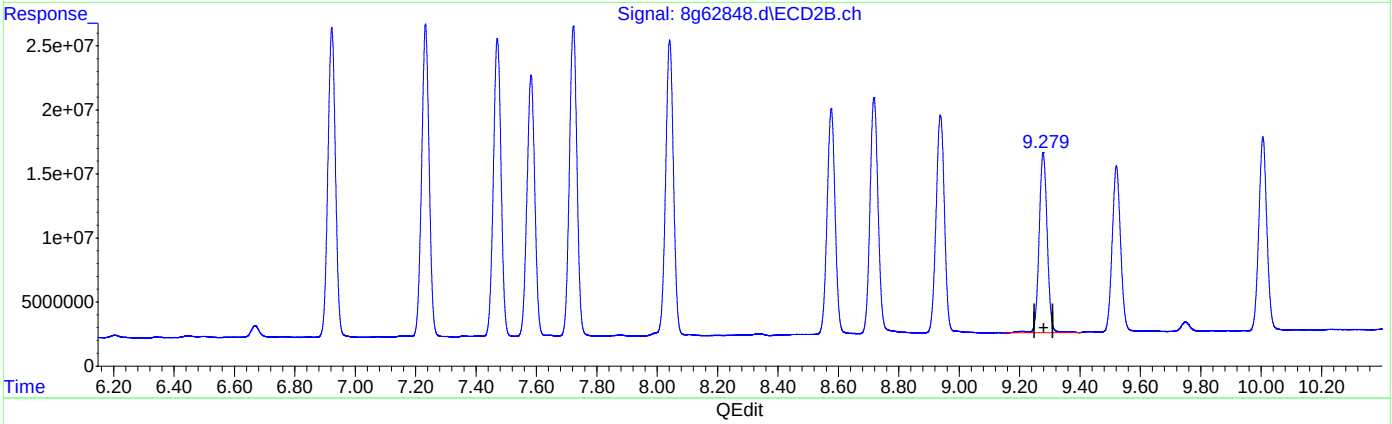
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62848.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 4:36 pm
Operator : kyrac
Sample : op59852-bs1 m
Misc : op59852,g8g2704,5.0,,,10,1
ALS Vial : 81 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:39 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(20) 4,4'-DDT (MA)

7.203min 2.344 PPB

response 149044989

(20) 4,4'-DDT #2 (MA)

9.279min 2.070 PPB

response 262296697

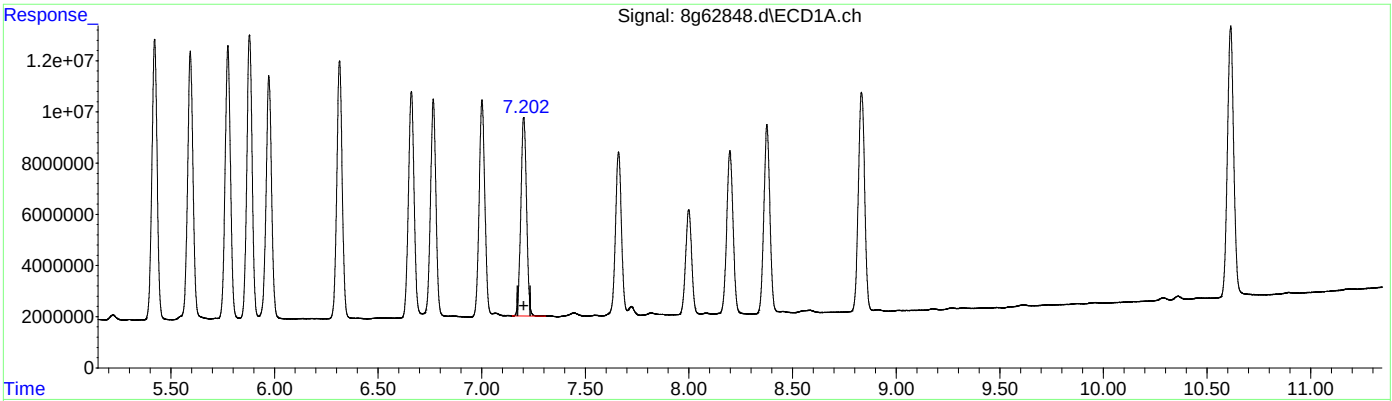
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:29:48 2024

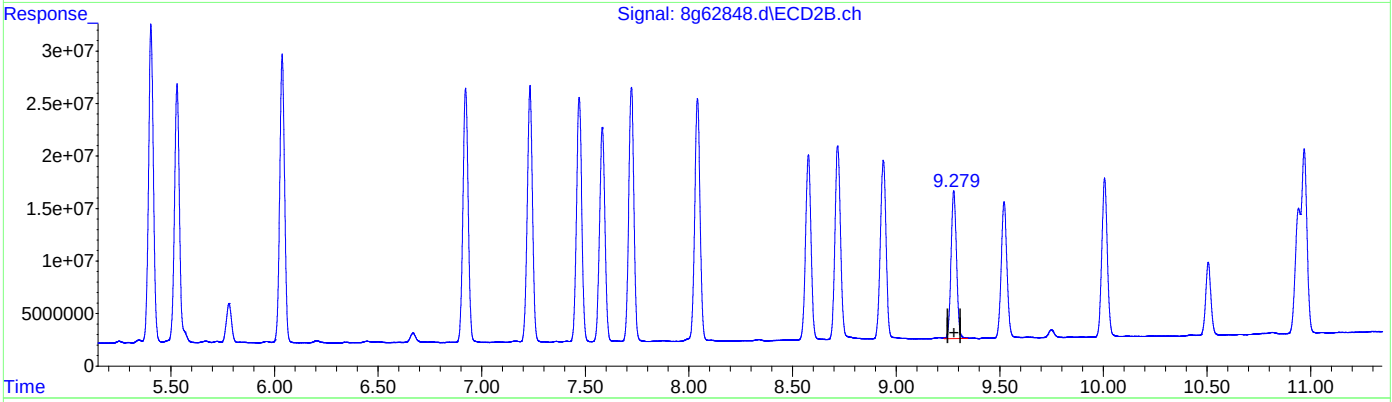
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62848.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 4:36 pm
Operator : kyrac
Sample : op59852-bs1 m
Misc : op59852,g8g2704,5.0,,,10,1
ALS Vial : 81 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:39 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(20) 4,4'-DDT (MA)

7.203min 2.344 PPB

response 149044989

(20) 4,4'-DDT #2 (MA)

9.279min 2.033 PPB m

response 257578601

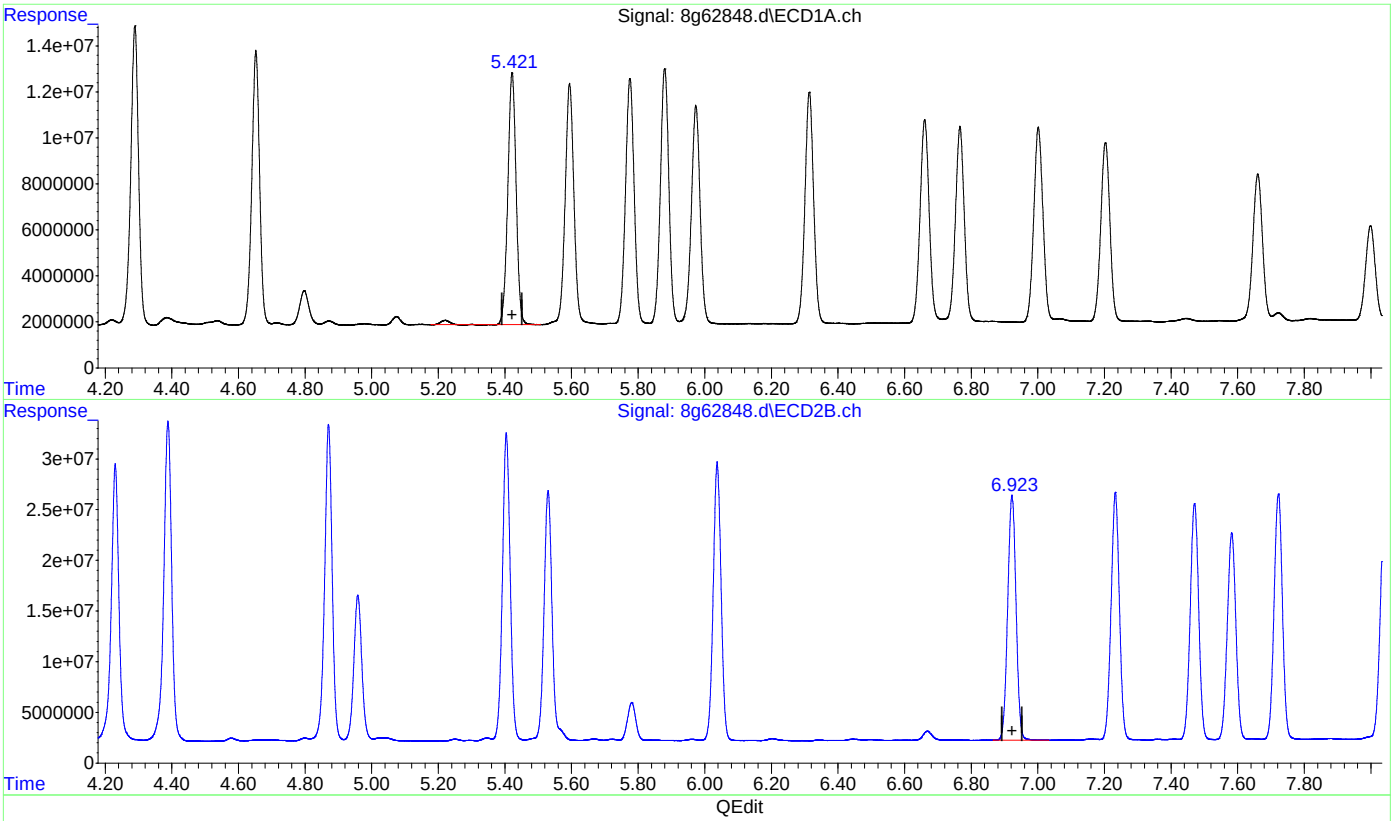
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:29:52 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62848.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 4:36 pm
Operator : kyrac
Sample : op59852-bs1 m
Misc : op59852,g8g2704,5.0,,,10,1
ALS Vial : 81 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:39 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(11) Heptachlor Epoxide (B)

5.422min 2.614 PPB

response 193509138

(11) Heptachlor Epoxide #2 (B)

6.923min 2.308 PPB

response 422355548

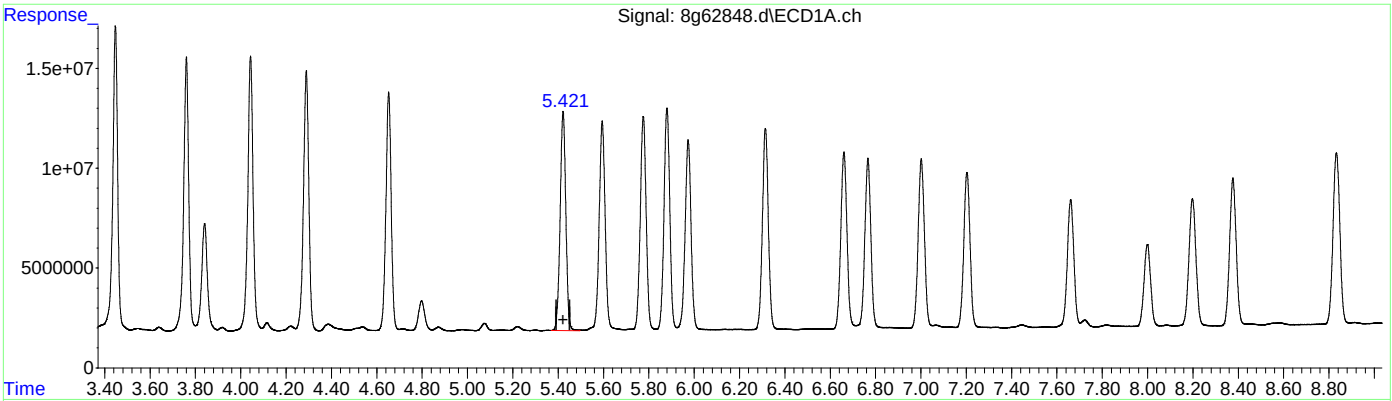
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:30:08 2024

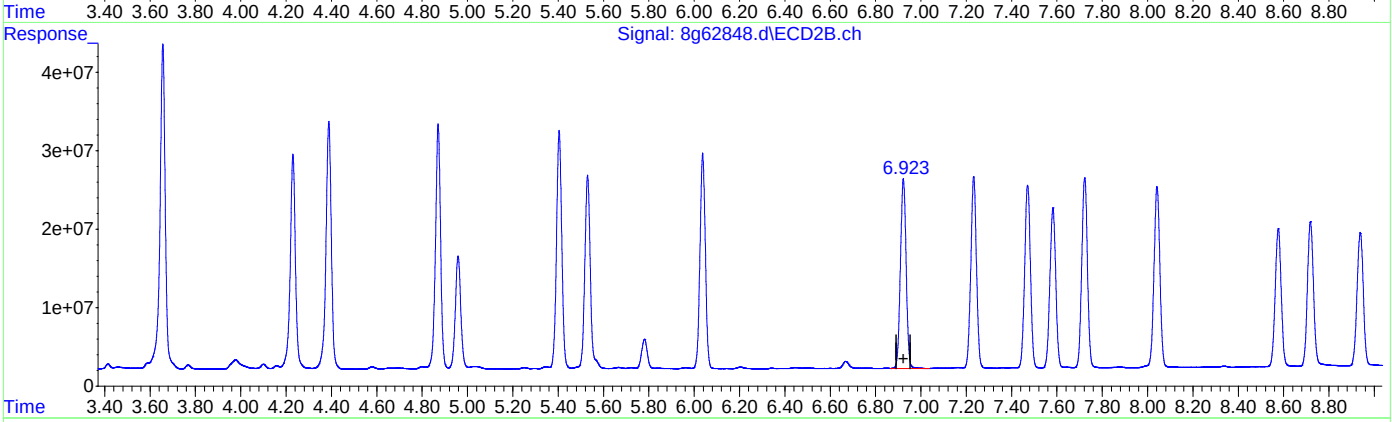
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62848.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 4:36 pm
Operator : kyrac
Sample : op59852-bs1 m
Misc : op59852,g8g2704,5.0,,,10,1
ALS Vial : 81 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:39 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(11) Heptachlor Epoxide (B)

5.421min 2.587 PPB m

response 191554589

(11) Heptachlor Epoxide #2 (B)

6.923min 2.308 PPB

response 422355548

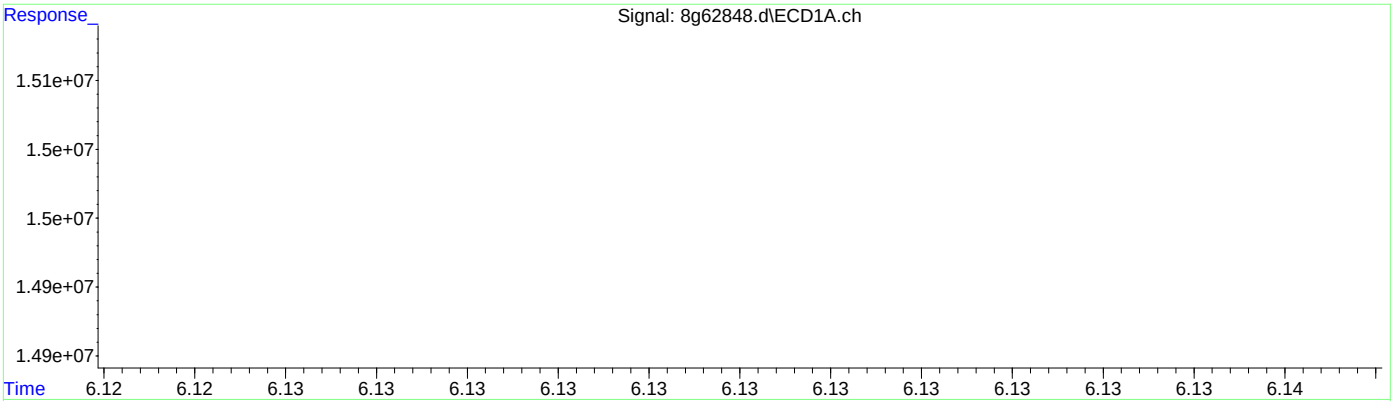
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:30:12 2024

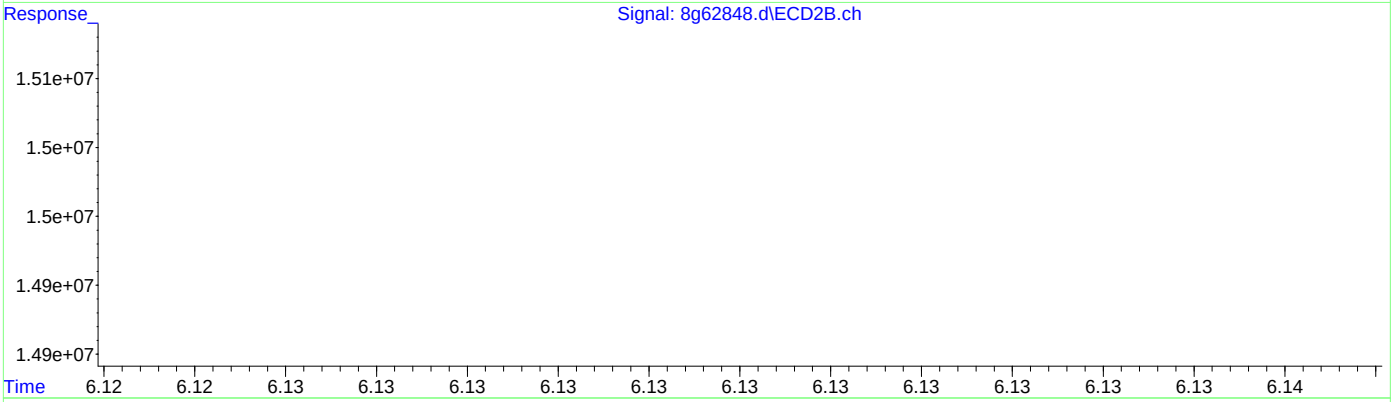
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62848.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 4:36 pm
Operator : kyrac
Sample : op59852-bs1 m
Misc : op59852,g8g2704,5.0,,,10,1
ALS Vial : 81 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:39 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(10) alachlor

0.000min 0.000 PPB

response 0

(10) alachlor #2

5.781min 2.598 PPB

response 75070230

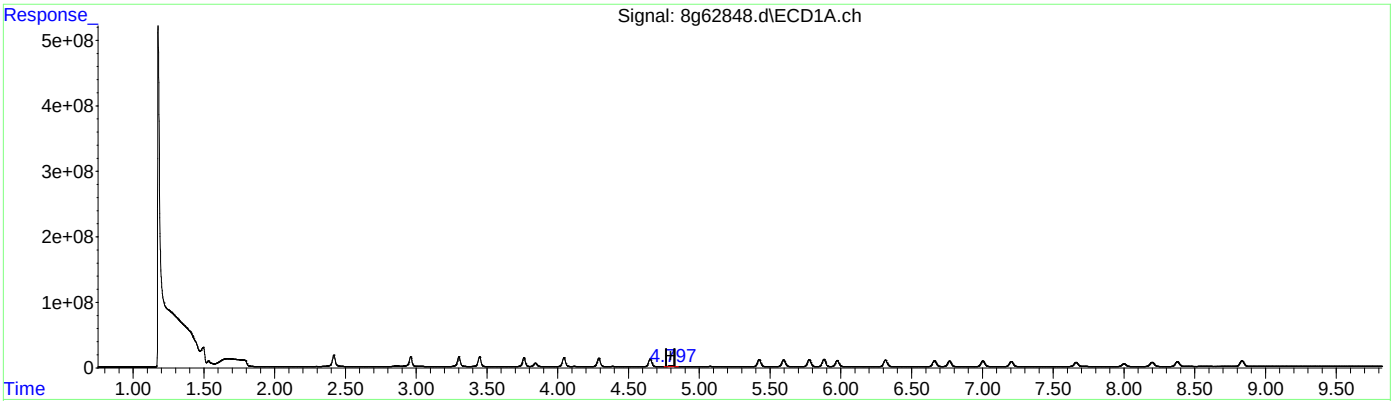
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:30:17 2024

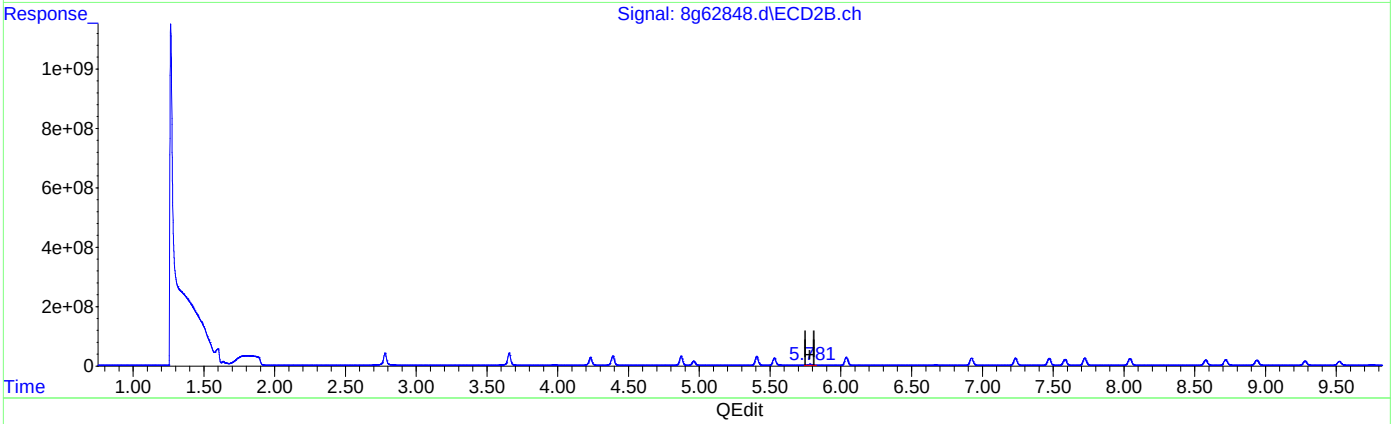
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62848.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 4:36 pm
Operator : kyrac
Sample : op59852-bs1 m
Misc : op59852,g8g2704,5.0,,,10,1
ALS Vial : 81 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:39 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(10) alachlor

4.797min 2.681 PPB m

response 30135573

(10) alachlor #2

5.781min 2.276 PPB m

response 65760160

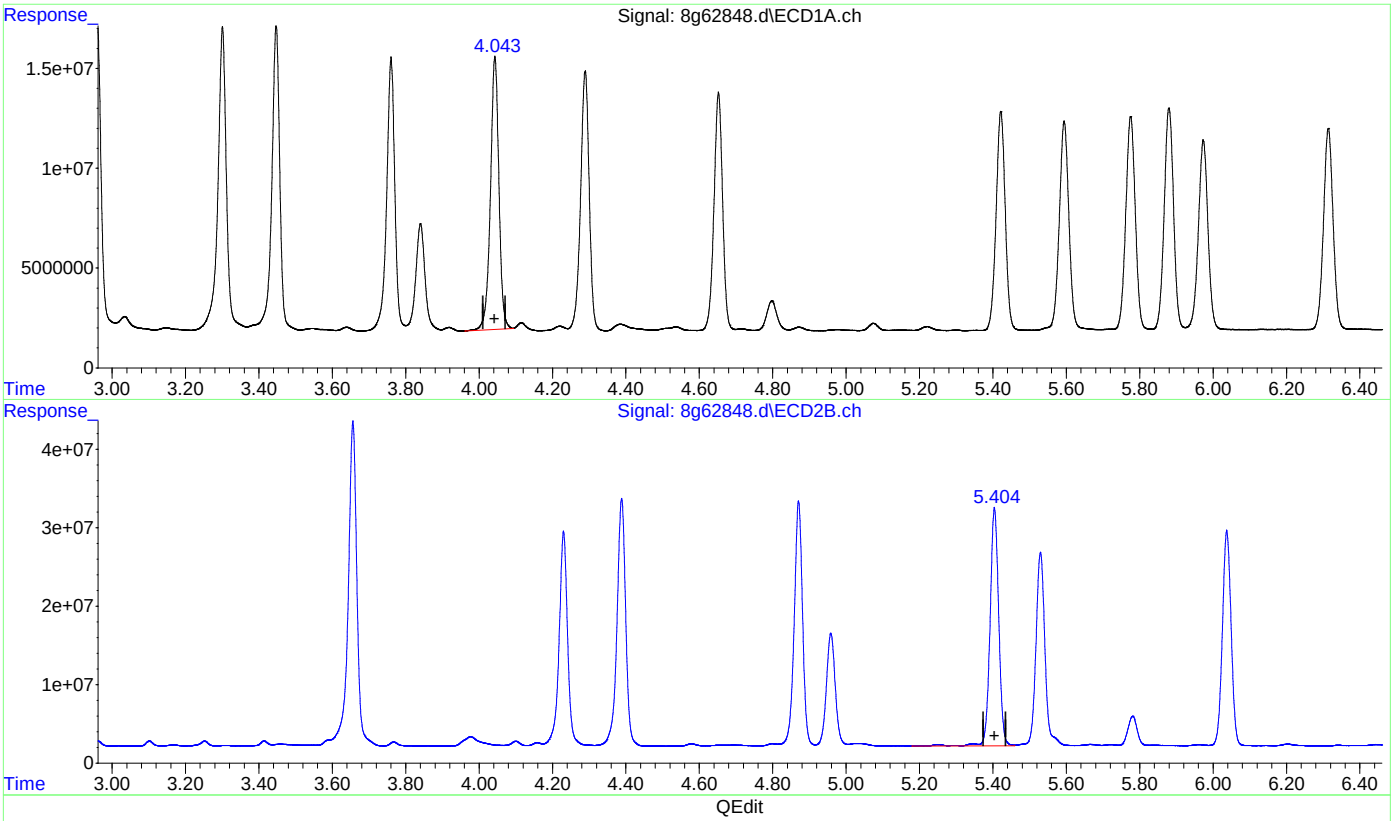
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:30:29 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62848.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 4:36 pm
Operator : kyrac
Sample : op59852-bs1 m
Misc : op59852,g8g2704,5.0,,,10,1
ALS Vial : 81 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:39 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(8) delta-BHC (B)

4.043min 2.651 PPB

response 219322625

(8) delta-BHC #2 (B)

5.405min 2.447 PPB

response 502255918

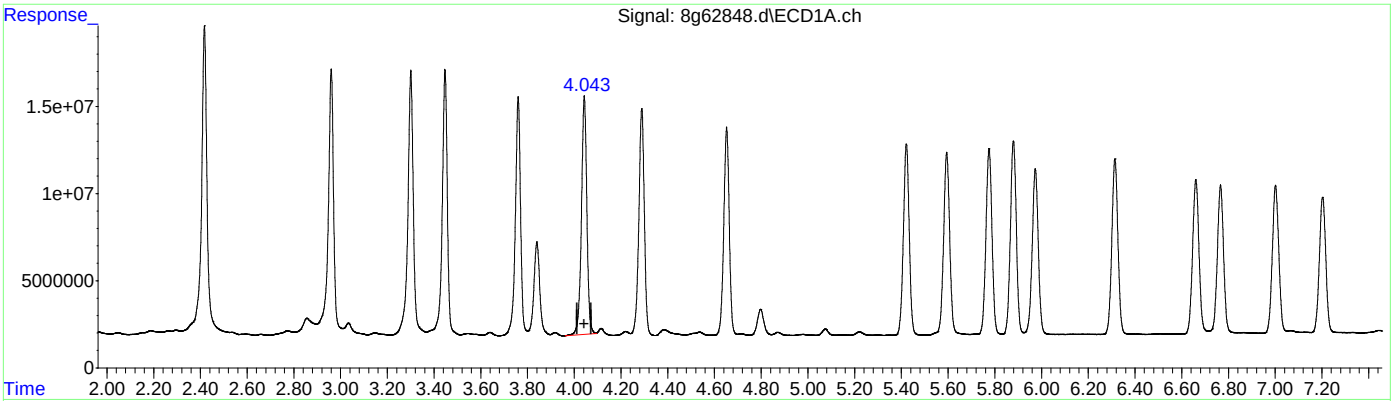
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:30:33 2024

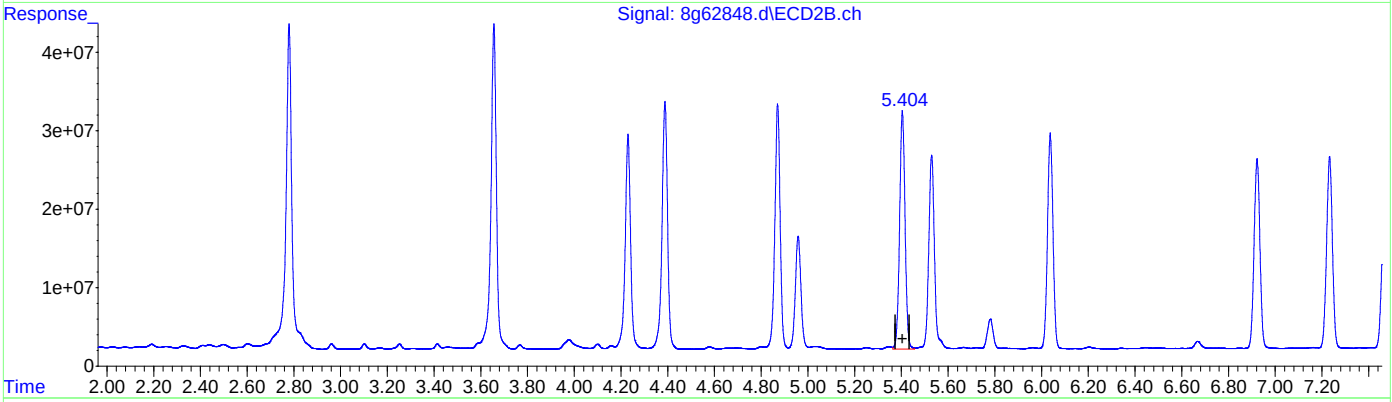
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62848.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 4:36 pm
Operator : kyrac
Sample : op59852-bs1 m
Misc : op59852,g8g2704,5.0,,,10,1
ALS Vial : 81 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:39 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(8) delta-BHC (B)

4.043min 2.651 PPB

response 219322625

(8) delta-BHC #2 (B)

5.404min 2.403 PPB m

response 493140307

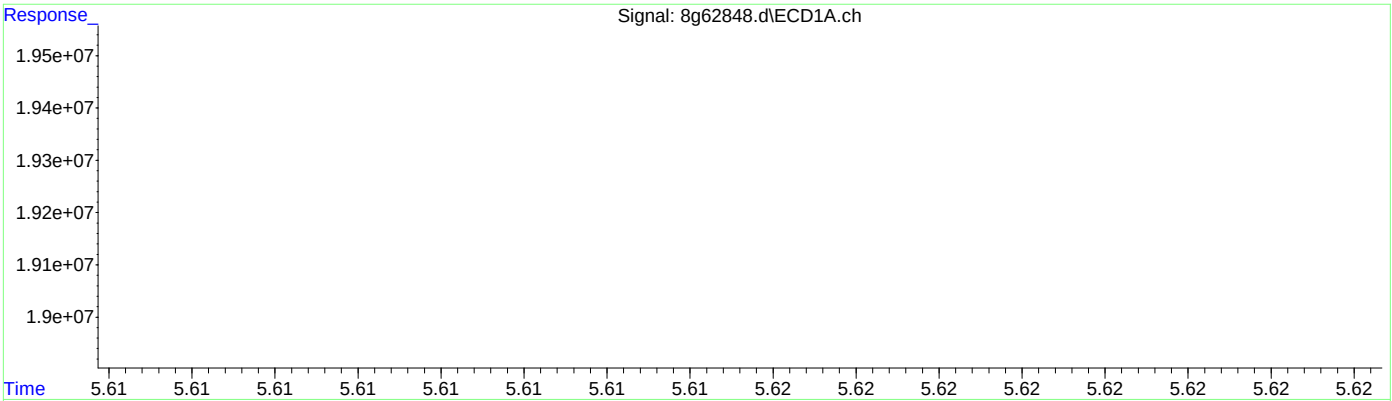
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:30:38 2024

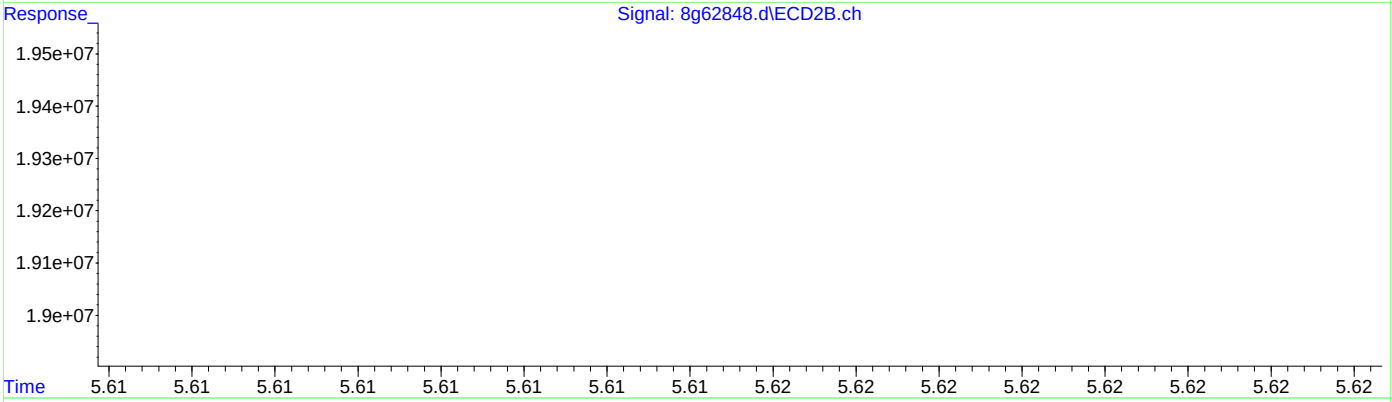
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62848.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 4:36 pm
Operator : kyrac
Sample : op59852-bs1 m
Misc : op59852,g8g2704,5.0,,,10,1
ALS Vial : 81 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:39 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(7) beta-BHC (B)

3.840min 2.532 PPB

response 98556134

(7) beta-BHC #2 (B)

4.959min 2.166 PPB

response 234162530

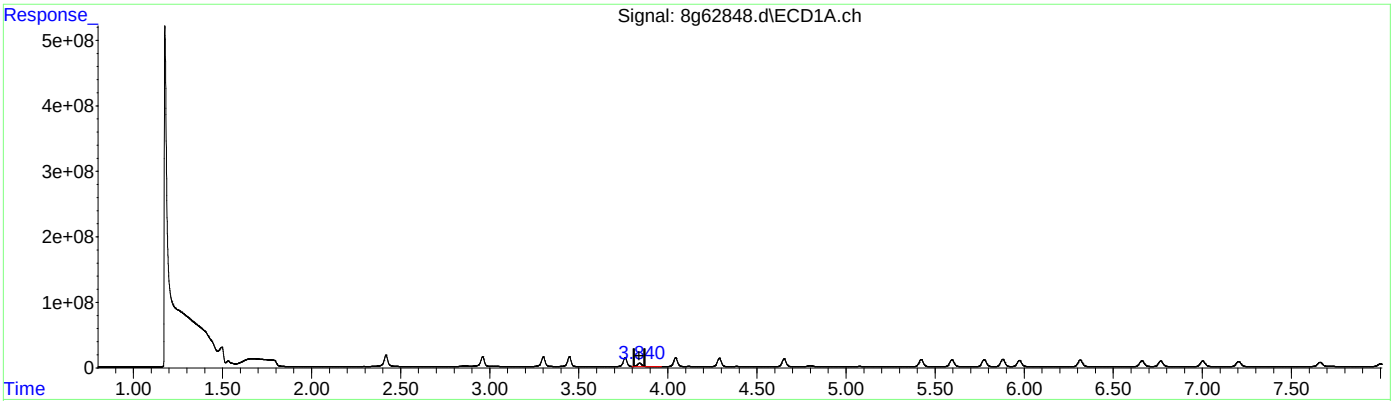
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:30:41 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62848.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 4:36 pm
Operator : kyrac
Sample : op59852-bs1 m
Misc : op59852,g8g2704,5.0,,,10,1
ALS Vial : 81 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:39 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(7) beta-BHC (B)

3.840min 2.532 PPB

response 98556134

(7) beta-BHC #2 (B)

4.958min 2.246 PPB m

response 242743596

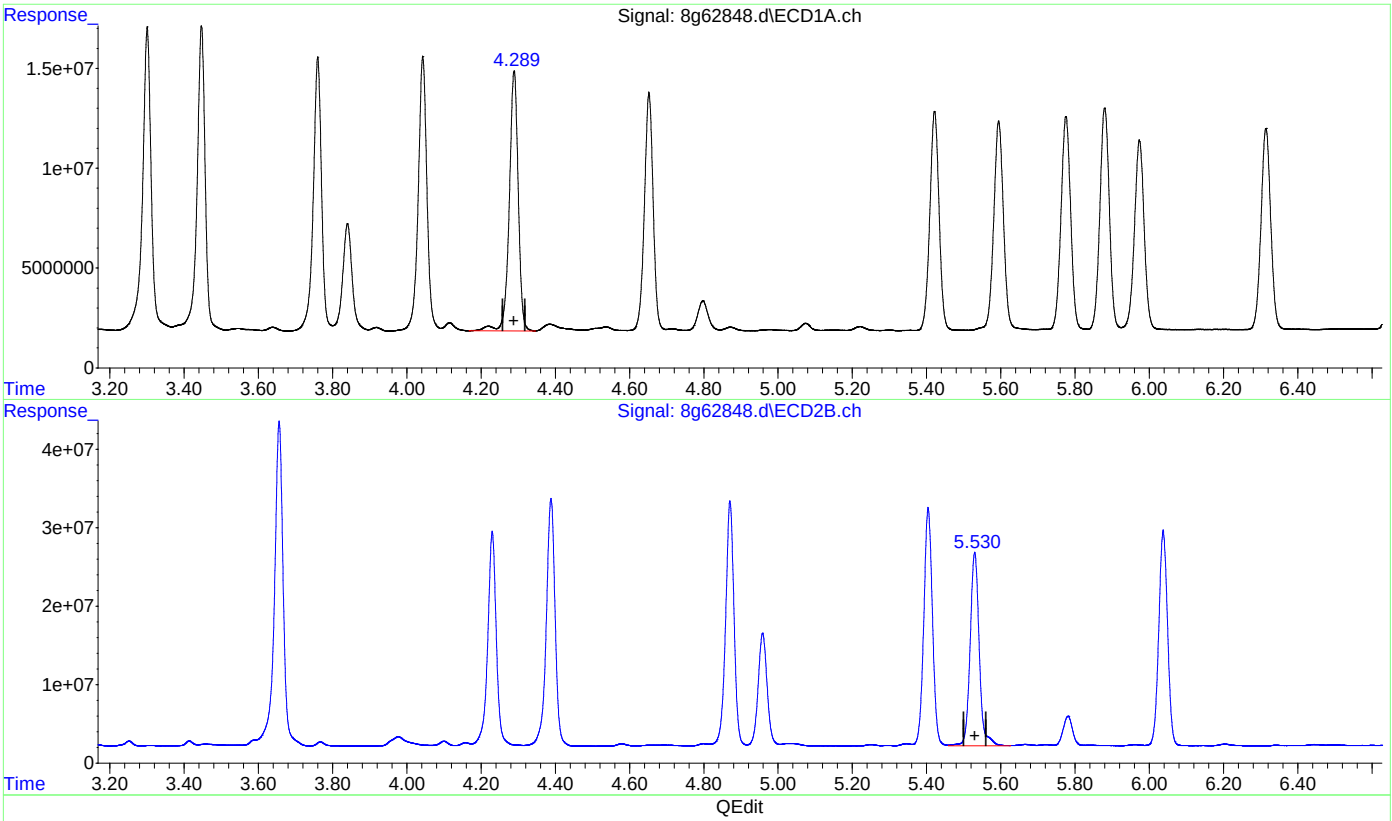
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:30:49 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62848.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 4:36 pm
Operator : kyrac
Sample : op59852-bs1 m
Misc : op59852,g8g2704,5.0,,,10,1
ALS Vial : 81 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:39 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(6) Heptachlor (MA)

4.289min 2.569 PPB

response 218105649

(6) Heptachlor #2 (MA)

5.530min 2.258 PPB

response 422398870

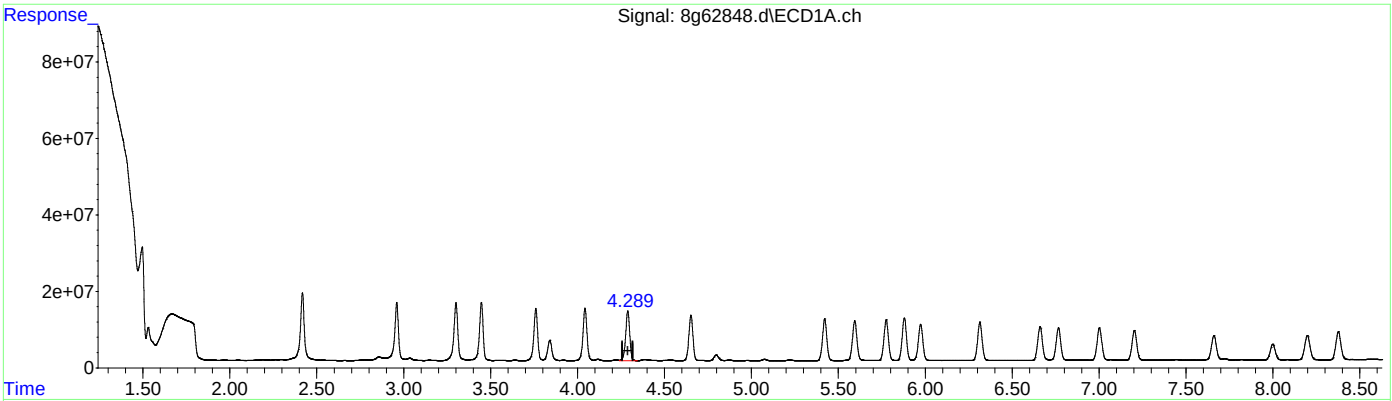
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:30:51 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62848.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 4:36 pm
Operator : kyrac
Sample : op59852-bs1 m
Misc : op59852,g8g2704,5.0,,,10,1
ALS Vial : 81 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:39 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(6) Heptachlor (MA)

4.289min 2.510 PPB m

response 213123015

(6) Heptachlor #2 (MA)

5.530min 2.258 PPB

response 422398870

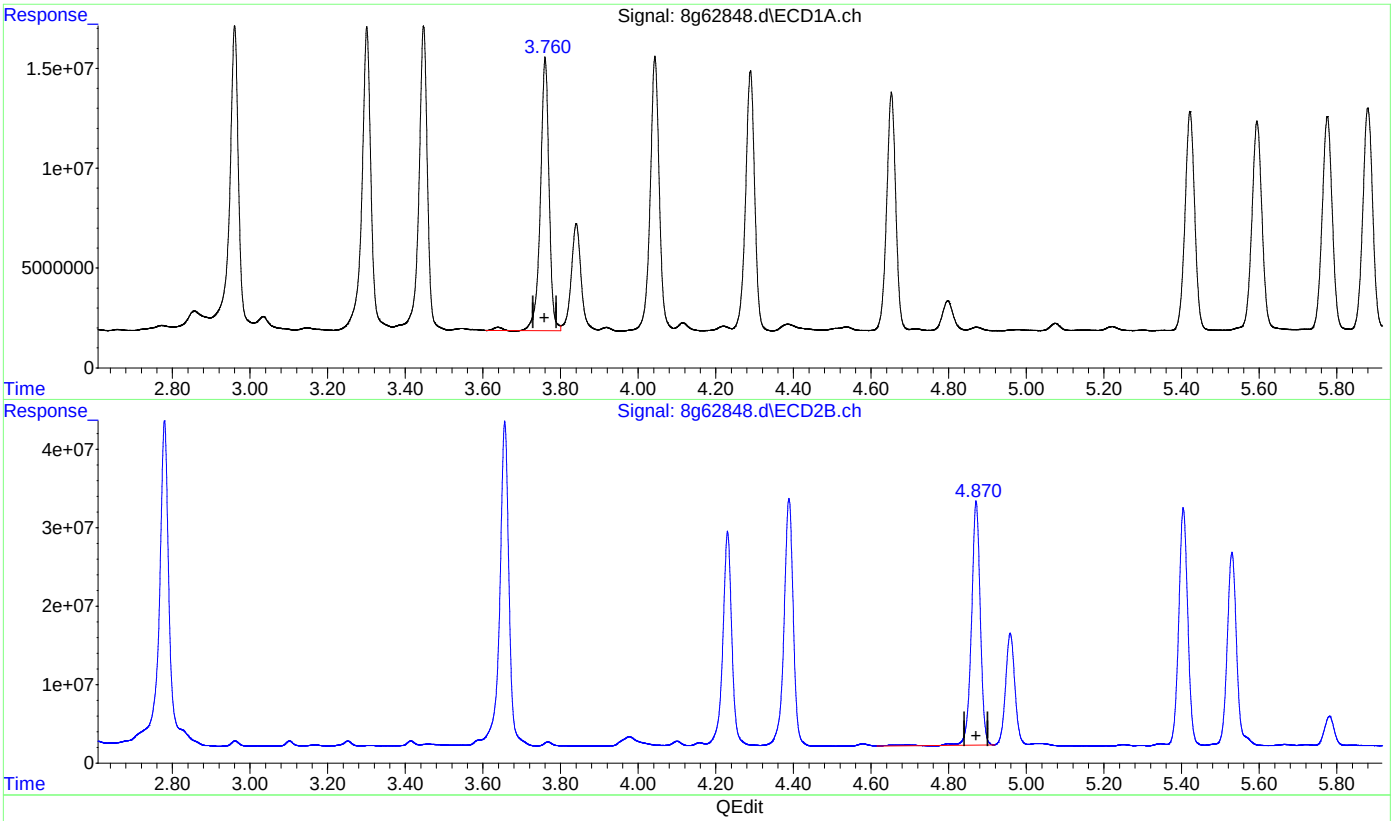
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:30:56 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62848.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 4:36 pm
Operator : kyrac
Sample : op59852-bs1 m
Misc : op59852,g8g2704,5.0,,,10,1
ALS Vial : 81 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:39 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(5) gamma-BHC (MA)

3.760min 2.604 PPB

response 214611036

(5) gamma-BHC #2 (MA)

4.871min 2.321 PPB

response 491656318

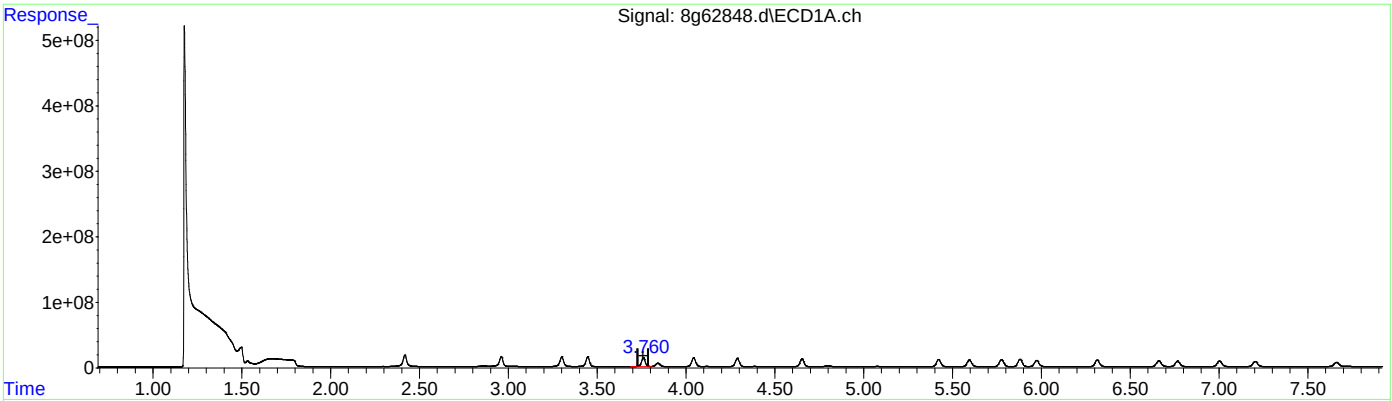
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:30:58 2024

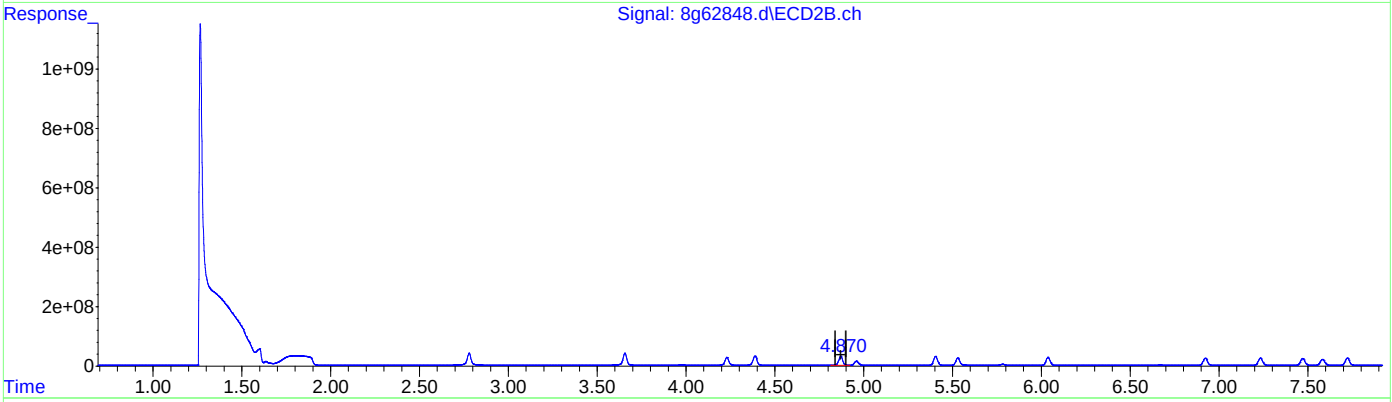
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62848.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 4:36 pm
Operator : kyrac
Sample : op59852-bs1 m
Misc : op59852,g8g2704,5.0,,,10,1
ALS Vial : 81 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:39 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(5) gamma-BHC (MA)

3.760min 2.601 PPB m

response 214314833

(5) gamma-BHC #2 (MA)

4.870min 2.329 PPB m

response 493158499

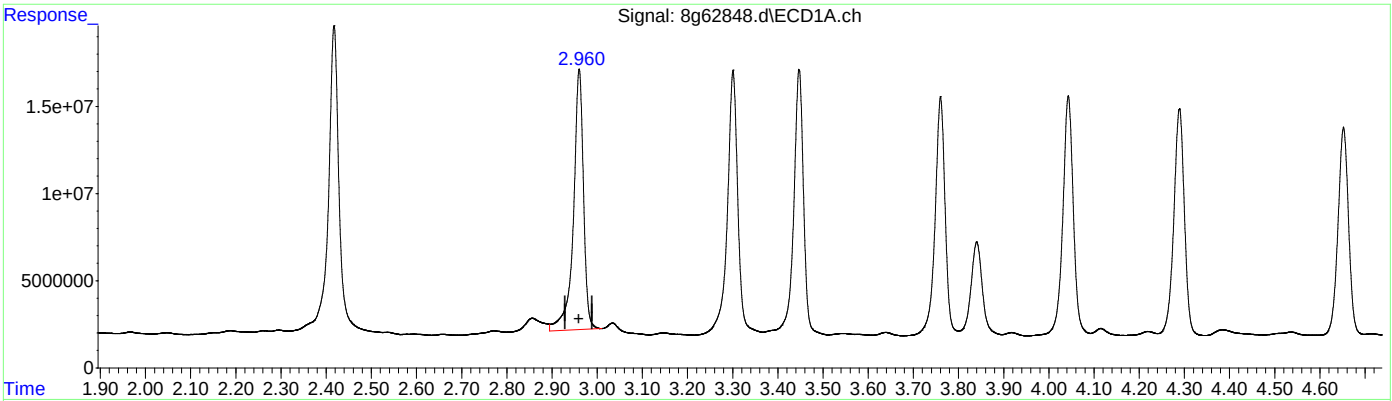
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:31:08 2024

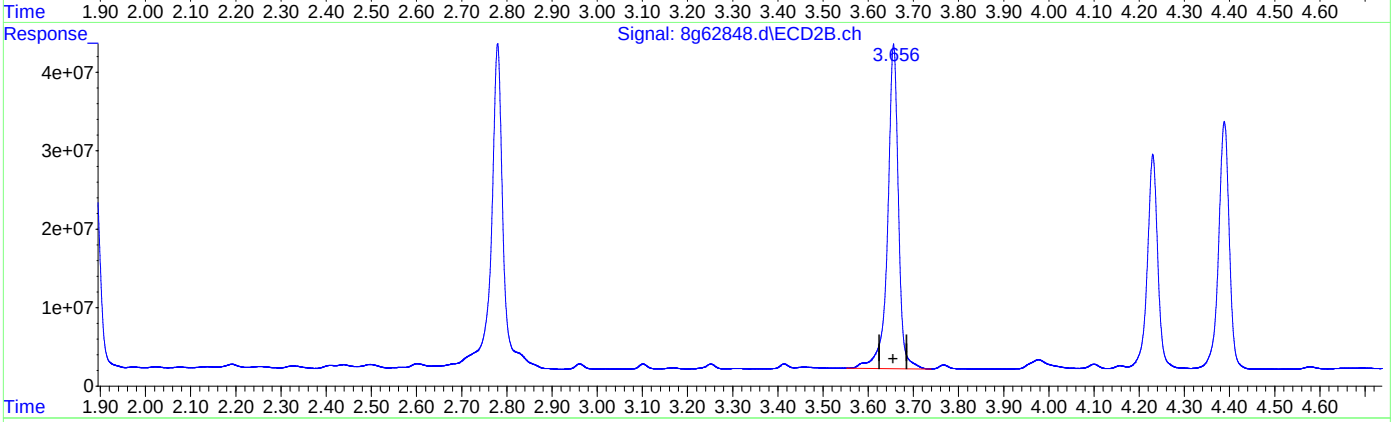
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62848.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 4:36 pm
Operator : kyrac
Sample : op59852-bs1 m
Misc : op59852,g8g2704,5.0,,,10,1
ALS Vial : 81 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:39 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(2) Tetrachloro-m-xylene (SAB)

2.960min 3.693 PPB

response 232563463

(2) Tetrachloro-m-xylene #2 (SAB)

3.656min 3.560 PPB

response 686310744

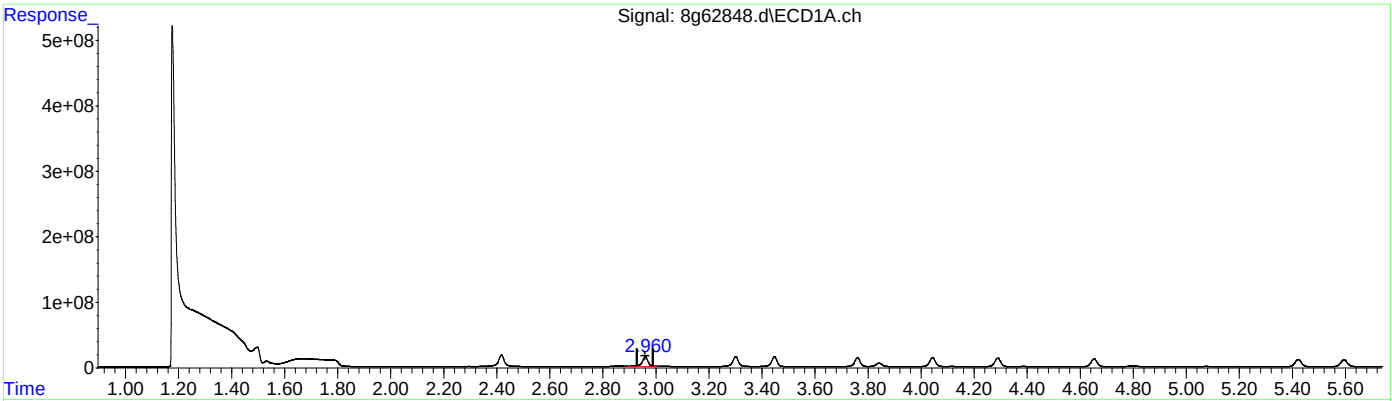
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:31:15 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62848.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 4:36 pm
Operator : kyrac
Sample : op59852-bs1 m
Misc : op59852,g8g2704,5.0,,,10,1
ALS Vial : 81 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:39 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(2) Tetrachloro-m-xylene (SAB)

2.960min 3.991 PPB m

response 251299861

(2) Tetrachloro-m-xylene #2 (SAB)

3.656min 3.560 PPB

response 686310744

(+) = Expected Retention Time

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 12/11/24 17:29

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62774.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:07 am
Operator : christp
Sample : op59833-ms m
Misc : op59833,g8g2700,5.3,,,10,1
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:39:08 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB	
		Internal Standards							
1)	I	1-bromo-2...	2.410	2.772	376.5E6	827.4E6	5.000	5.000	
27)	I	1-bromo-2...	2.410	2.772	376.5E6	827.4E6	5.000	5.000	
33)	I	1-bromo-2...	2.410	2.772	376.5E6	827.4E6	5.000	5.000	
		System Monitoring Compounds							
2)	SAB	Tetrachlo...	2.956	3.653	240.1E6	622.1E6	3.305m	3.069	
		Spiked Amount 40.000	Range 30 - 150		Recovery =		8.26%#	7.67%#	
26)	SA	Decachlor...	10.615	12.997	248.8E6	502.8E6	3.559	4.385	
		Spiked Amount 40.000			Recovery =		8.90%	10.96%	
		Target Compounds							
3)		hexachlor...	3.298	4.228	270.2E6	434.9E6	2.361	2.016	
4)	A	alpha-BHC	3.445	4.387	252.6E6	553.7E6	2.510	2.199	
5)	MA	gamma-BHC	3.759	4.870	224.3E6	432.9E6	2.359m	1.944	
6)	MA	Heptachlor	4.289	5.530	224.7E6	422.3E6	2.294m	2.147	
7)	B	beta-BHC	3.839	4.959	93494980	237.9E6	2.082	2.093	
8)	B	delta-BHC	4.043	5.405	228.3E6	477.5E6	2.392	2.213	
9)	MB	Aldrin	4.652	6.039	209.9E6	447.7E6	2.424	2.198	
10)		alachlor	4.805	5.780	364.3E6	82941835	28.094	2.730	#
11)	B	Heptachlo...	5.423	6.923	2044.2E6	3325.9E6	23.932m	17.285	#
12)	B	gamma-Chl...	5.597	7.232	467.3E6	938.9E6	5.133	4.936	
13)	B	alpha-Chl...	5.777	7.471	1923.1E6	3188.3E6	22.683	16.871	#
14)	A	Endosulfan I	5.971	7.581	722.3E6	670.2E6	9.119	3.870	#
15)	B	4,4'-DDE	5.879	7.723	1349.5E6	2652.5E6	15.550	14.479	
16)	MA	Dieldrin	6.315	8.042	199.4E6	510.7E6	2.311m	2.608	
17)	MA	Endrin	6.661	8.577	225.0E6	534.9E6	3.308	3.791	
18)	A	4,4'-DDD	6.767	8.718	185.8E6	449.3E6	2.557	2.790	
19)	B	Endosulfa...	7.003	8.937	181.1E6	486.3E6	2.386	2.970	
20)	MA	4,4'-DDT	7.204	9.278	653.4E6	1264.0E6	8.907m	9.487m	
21)	B	Endrin Al...	7.661	9.523	141.3E6	340.8E6	2.265m	2.650	
22)	B	Endosulfa...	8.380	10.007	147.0E6	359.6E6	2.082m	2.430	
23)	A	Methoxychlor	8.000	10.507	142.3E6	207.9E6	3.337m	3.141	
24)		Mirex	8.197	10.940	171.8E6	296.1E6	2.656m	3.121m	
25)	B	Endrin Ke...	8.837	10.970	285.8E6	396.3E6	3.199m	1.961m	#

SemiQuant Compounds - Not Calibrated on this Instrument

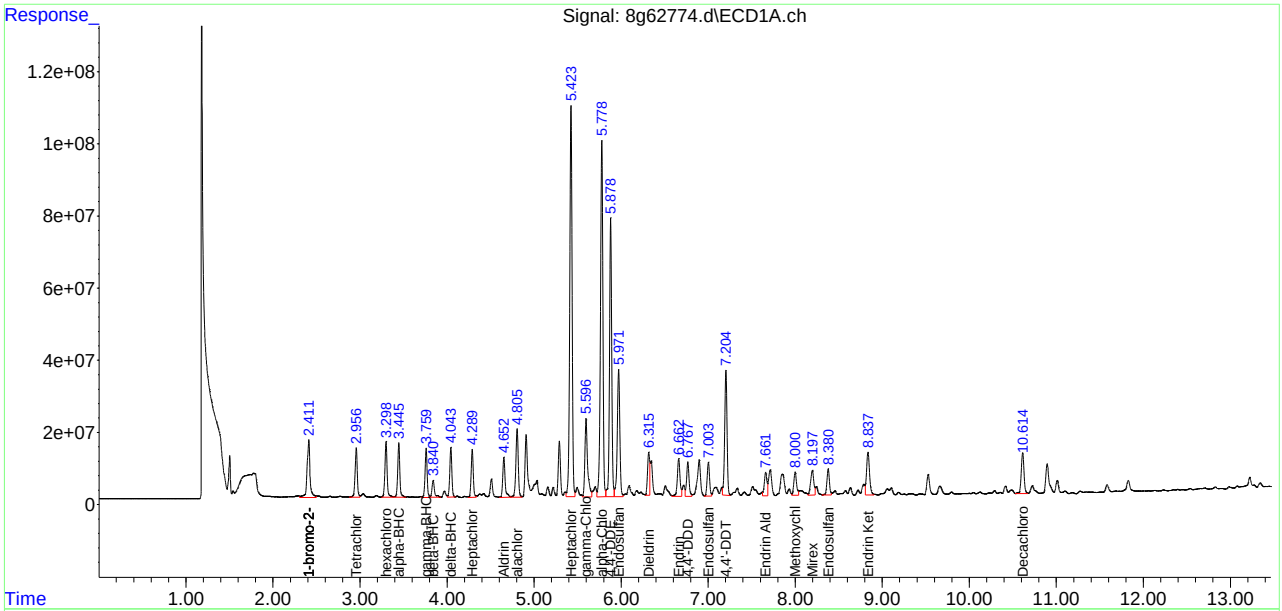
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

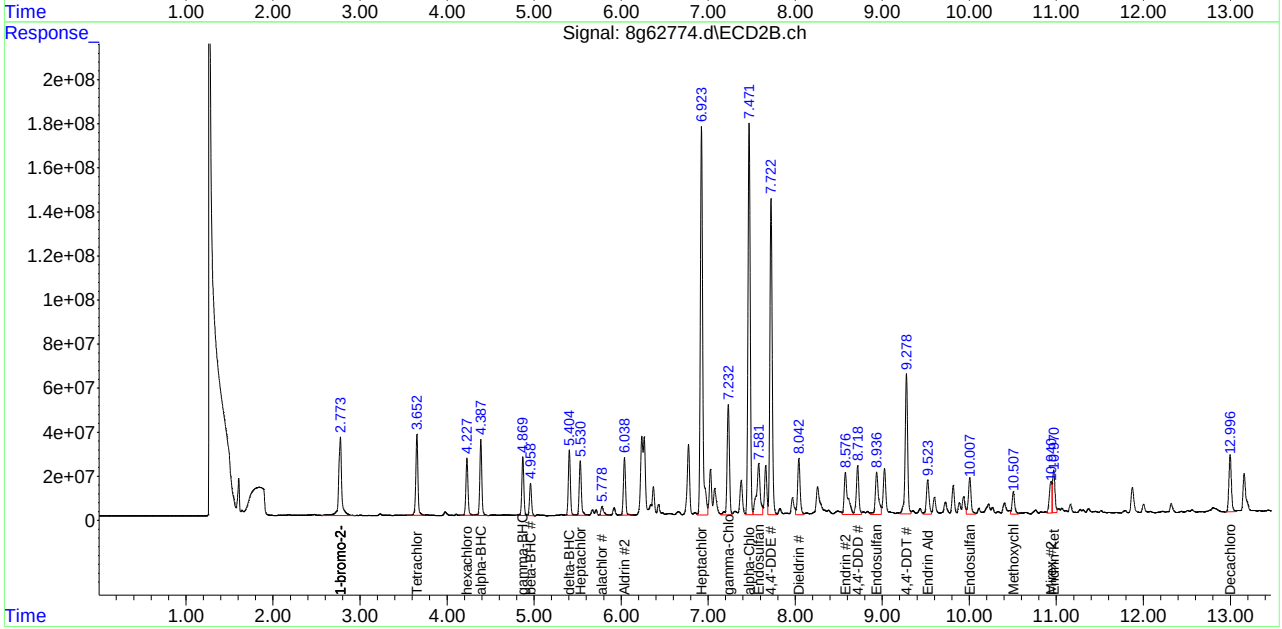
Quantitation Report (QT Reviewed)

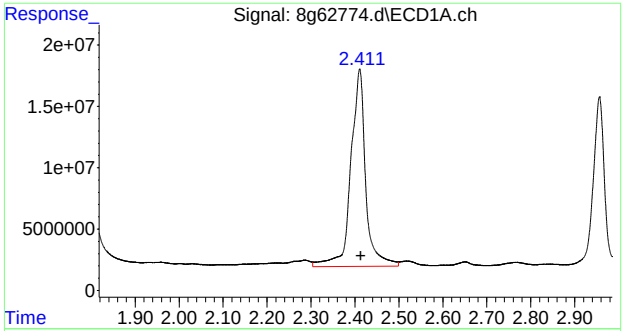
Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62774.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:07 am
Operator : christp
Sample : op59833-ms m
Misc : op59833,g8g2700,5.3,,,10,1
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:39:08 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

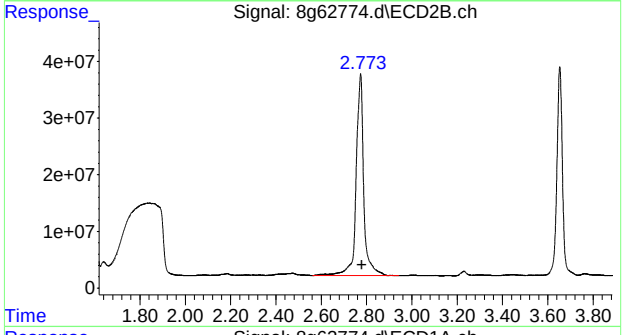






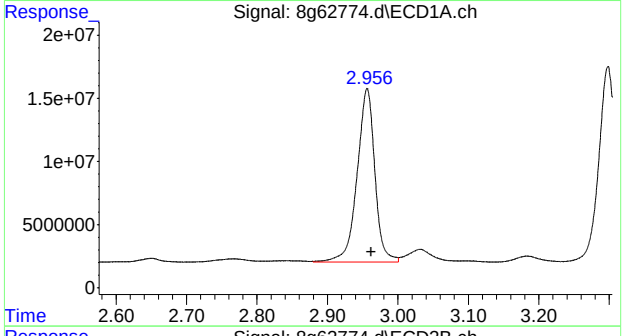
#1 1-bromo-2-nitrobenzene

R.T.: 2.410 min
Delta R.T.: -0.003 min
Response: 376537789
Conc: 5.00 PPB



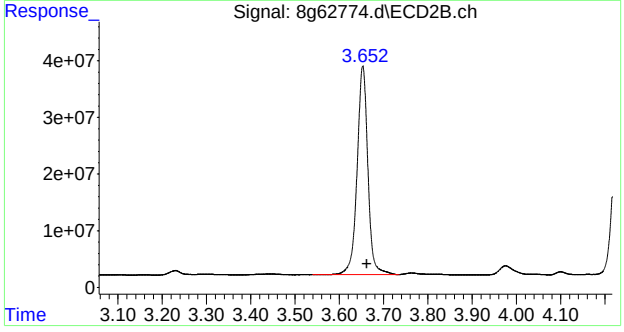
#1 1-bromo-2-nitrobenzene

R.T.: 2.772 min
Delta R.T.: -0.006 min
Response: 827353265
Conc: 5.00 PPB



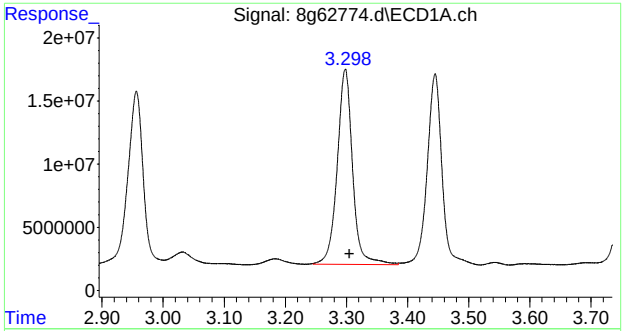
#2 Tetrachloro-m-xylene

R.T.: 2.956 min
Delta R.T.: -0.006 min
Response: 240079068
Conc: 3.30 PPB m



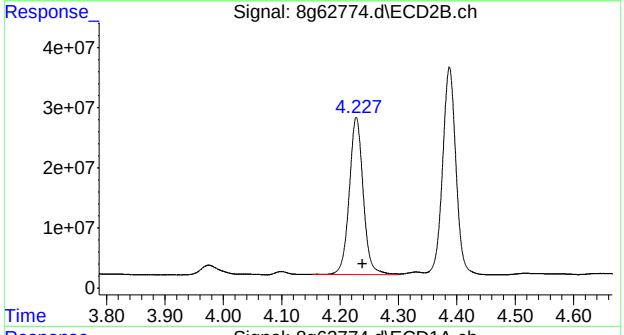
#2 Tetrachloro-m-xylene

R.T.: 3.653 min
Delta R.T.: -0.009 min
Response: 622082130
Conc: 3.07 PPB



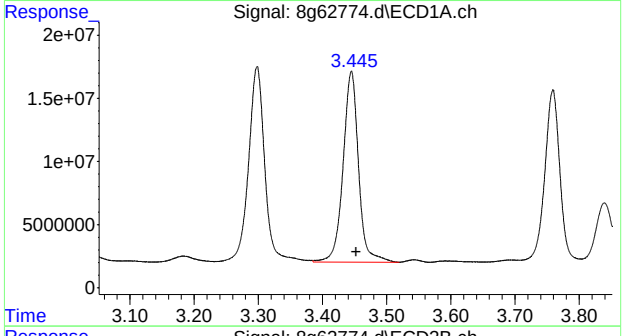
#3 hexachlorobenzene

R.T.: 3.298 min
Delta R.T.: -0.007 min
Response: 270226575
Conc: 2.36 PPB



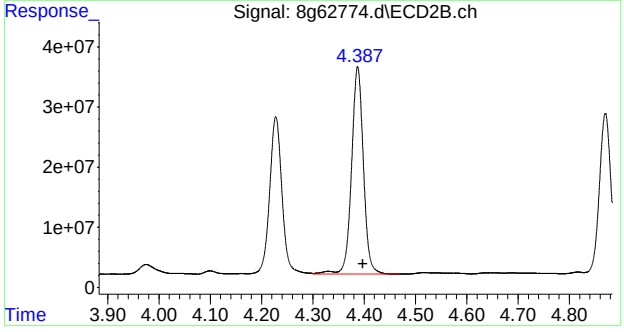
#3 hexachlorobenzene

R.T.: 4.228 min
Delta R.T.: -0.010 min
Response: 434883810
Conc: 2.02 PPB



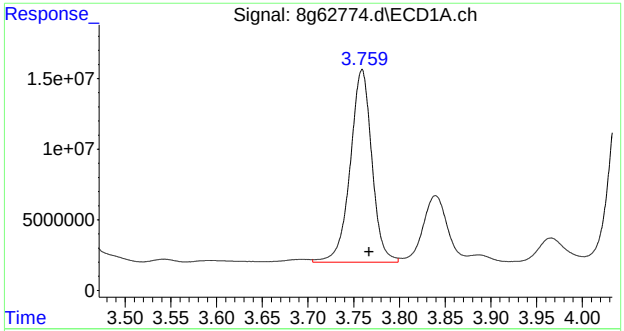
#4 alpha-BHC

R.T.: 3.445 min
Delta R.T.: -0.008 min
Response: 252625747
Conc: 2.51 PPB



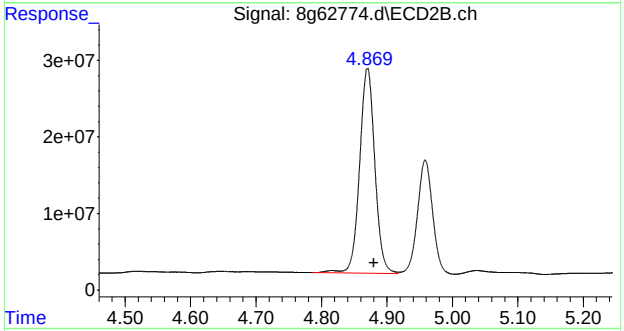
#4 alpha-BHC

R.T.: 4.387 min
Delta R.T.: -0.010 min
Response: 553716718
Conc: 2.20 PPB



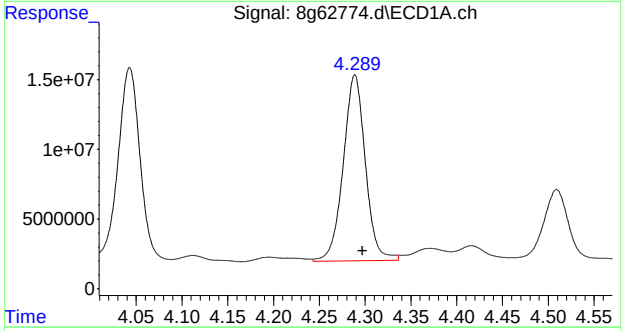
#5 gamma-BHC

R.T.: 3.759 min
Delta R.T.: -0.007 min
Response: 224266289
Conc: 2.36 PPB m



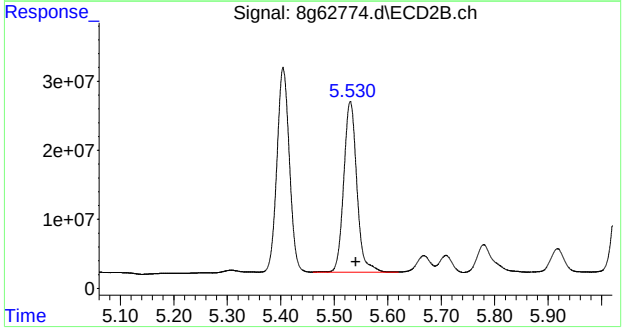
#5 gamma-BHC

R.T.: 4.870 min
Delta R.T.: -0.010 min
Response: 432864341
Conc: 1.94 PPB



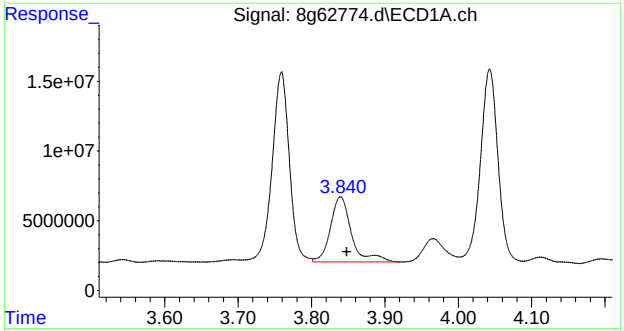
#6 Heptachlor

R.T.: 4.289 min
Delta R.T.: -0.008 min
Response: 224732625
Conc: 2.29 PPB m



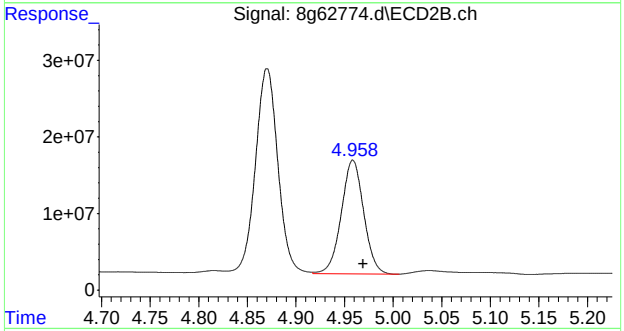
#6 Heptachlor

R.T.: 5.530 min
Delta R.T.: -0.010 min
Response: 422313551
Conc: 2.15 PPB



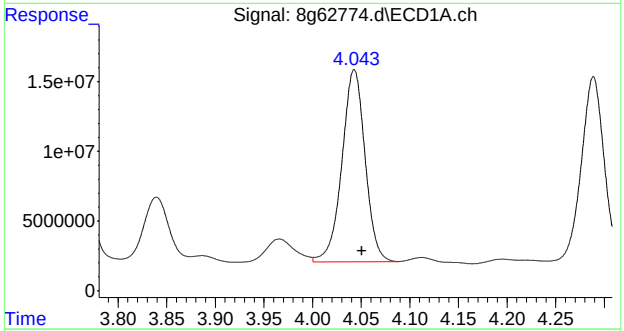
#7 beta-BHC

R.T.: 3.839 min
Delta R.T.: -0.009 min
Response: 93494980
Conc: 2.08 PPB



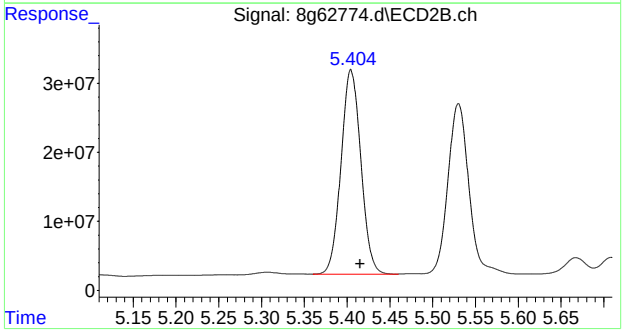
#7 beta-BHC

R.T.: 4.959 min
Delta R.T.: -0.010 min
Response: 237899665
Conc: 2.09 PPB



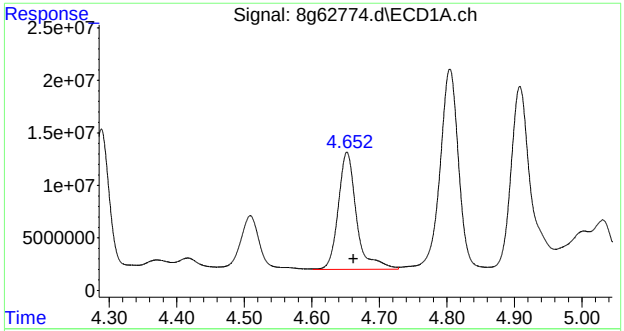
#8 delta-BHC

R.T.: 4.043 min
Delta R.T.: -0.008 min
Response: 228286850
Conc: 2.39 PPB



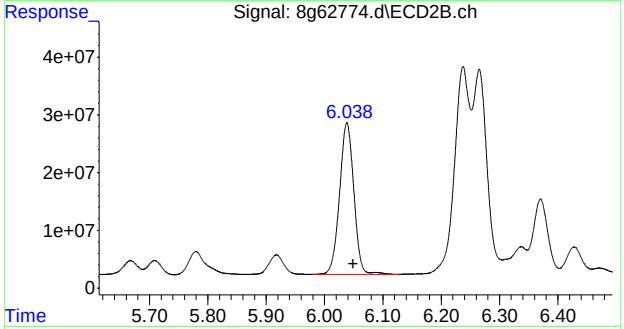
#8 delta-BHC

R.T.: 5.405 min
Delta R.T.: -0.010 min
Response: 477475419
Conc: 2.21 PPB



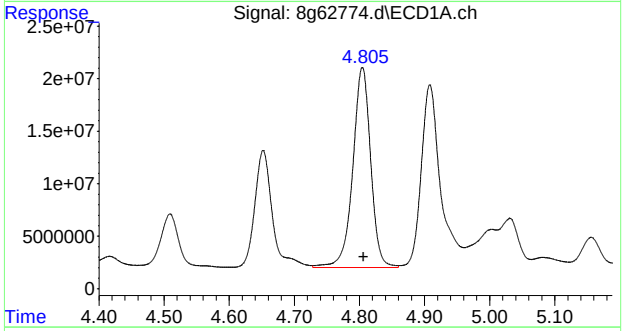
#9 Aldrin

R.T.: 4.652 min
Delta R.T.: -0.009 min
Response: 209882757
Conc: 2.42 PPB



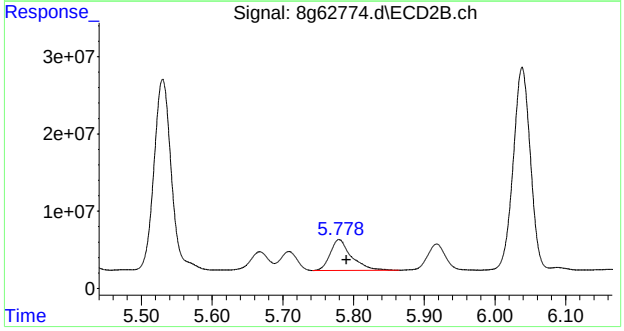
#9 Aldrin

R.T.: 6.039 min
Delta R.T.: -0.010 min
Response: 447675345
Conc: 2.20 PPB



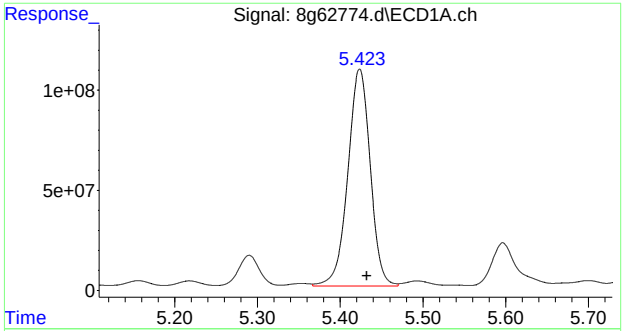
#10 alachlor

R.T.: 4.805 min
Delta R.T.: -0.002 min
Response: 364258864
Conc: 28.09 PPB



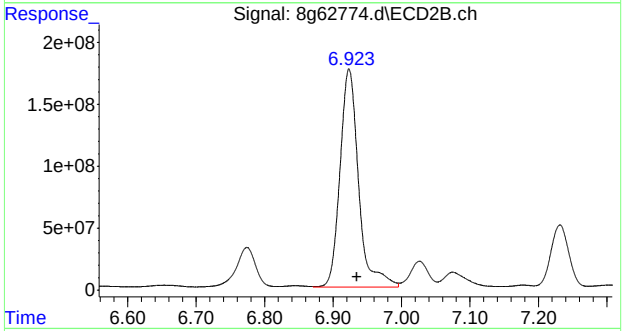
#10 alachlor

R.T.: 5.780 min
Delta R.T.: -0.010 min
Response: 82941835
Conc: 2.73 PPB



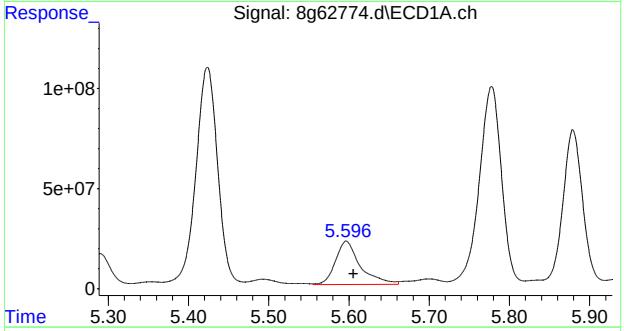
#11 Heptachlor Epoxide

R.T.: 5.423 min
Delta R.T.: -0.009 min
Response: 2044174498
Conc: 23.93 PPB m



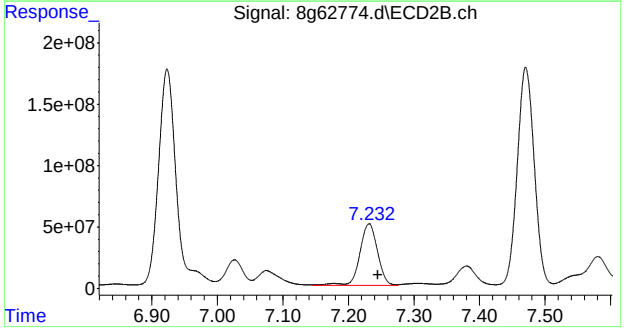
#11 Heptachlor Epoxide

R.T.: 6.923 min
Delta R.T.: -0.011 min
Response: 3325935094
Conc: 17.29 PPB



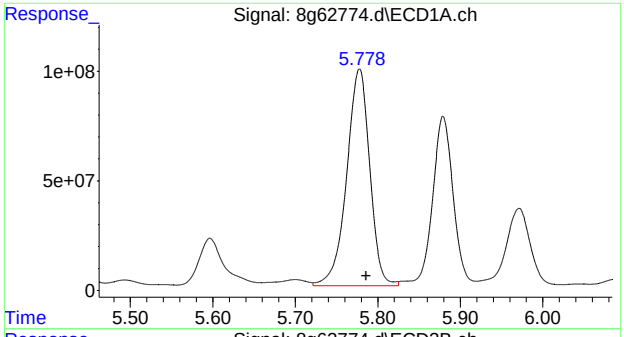
#12 gamma-Chlordane

R.T.: 5.597 min
Delta R.T.: -0.008 min
Response: 467294183
Conc: 5.13 PPB



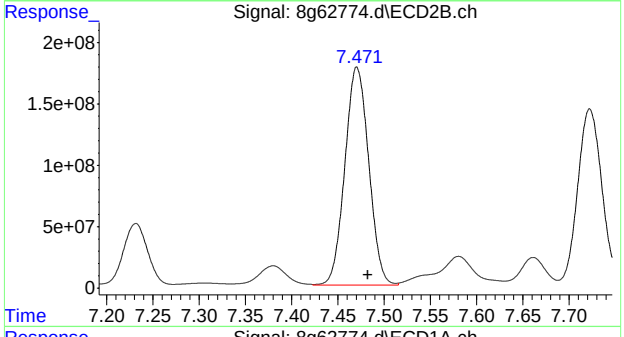
#12 gamma-Chlordane

R.T.: 7.232 min
Delta R.T.: -0.013 min
Response: 938922690
Conc: 4.94 PPB



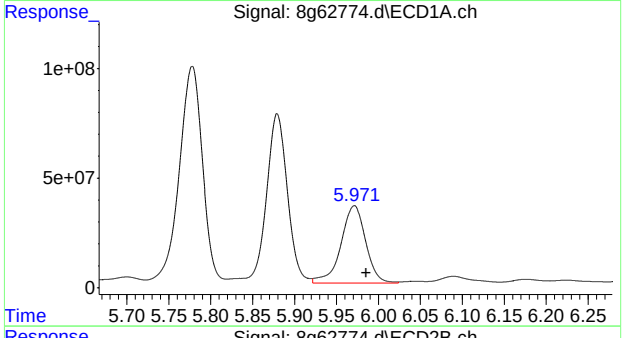
#13 alpha-Chlordane

R.T.: 5.777 min
Delta R.T.: -0.008 min
Response: 1923136286
Conc: 22.68 PPB



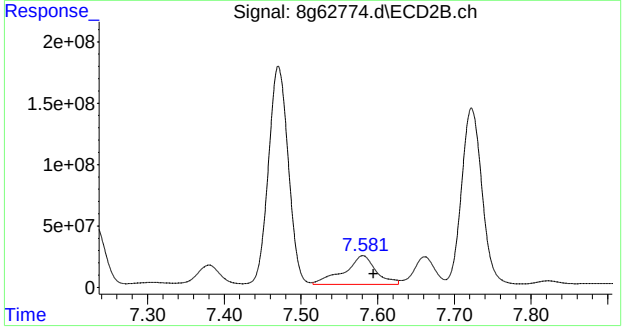
#13 alpha-Chlordane

R.T.: 7.471 min
Delta R.T.: -0.011 min
Response: 3188259603
Conc: 16.87 PPB



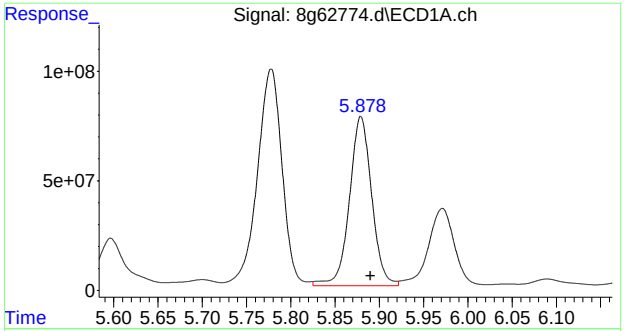
#14 Endosulfan I

R.T.: 5.971 min
Delta R.T.: -0.014 min
Response: 722308260
Conc: 9.12 PPB



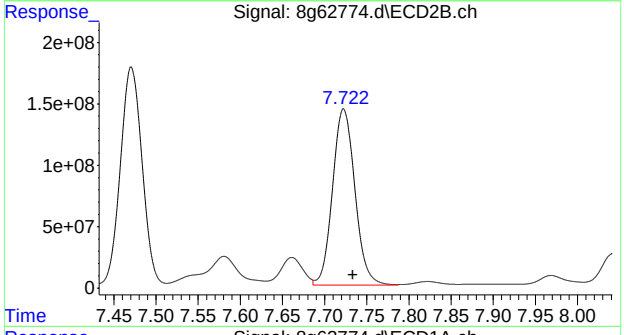
#14 Endosulfan I

R.T.: 7.581 min
Delta R.T.: -0.014 min
Response: 670185906
Conc: 3.87 PPB



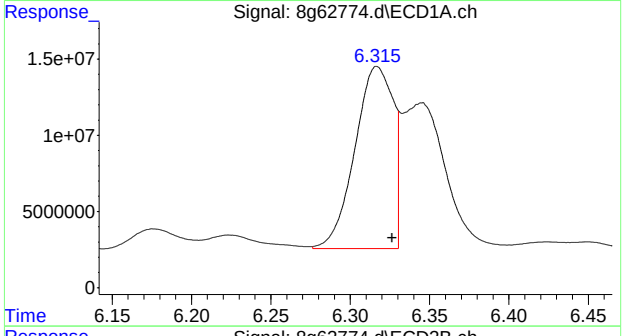
#15 4,4'-DDE

R.T.: 5.879 min
Delta R.T.: -0.011 min
Response: 1349460903
Conc: 15.55 PPB



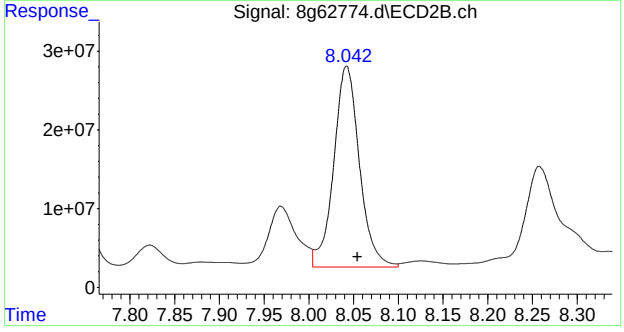
#15 4,4'-DDE

R.T.: 7.723 min
Delta R.T.: -0.011 min
Response: 2652480564
Conc: 14.48 PPB



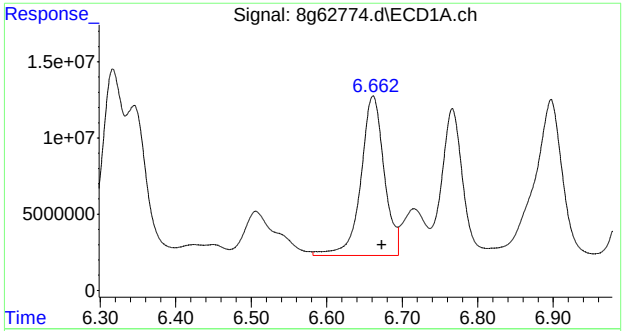
#16 Dieldrin

R.T.: 6.315 min
Delta R.T.: -0.011 min
Response: 199369465
Conc: 2.31 PPB m



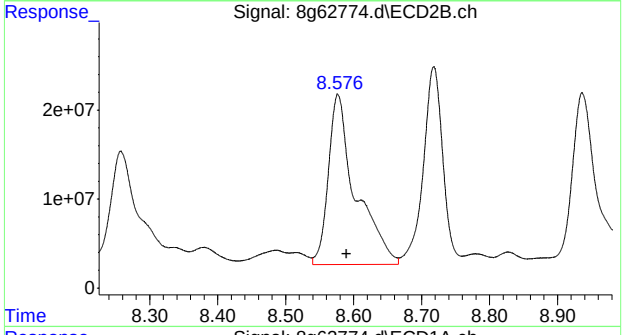
#16 Dieldrin

R.T.: 8.042 min
Delta R.T.: -0.012 min
Response: 510743329
Conc: 2.61 PPB



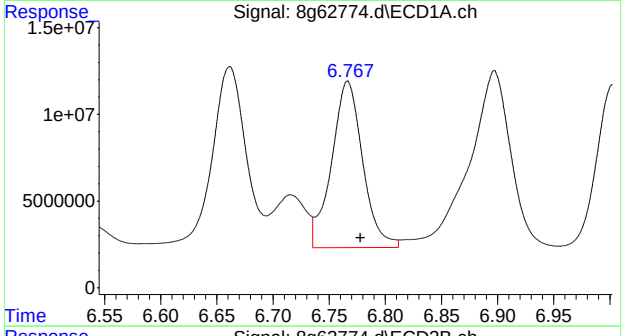
#17 Endrin

R.T.: 6.661 min
Delta R.T.: -0.011 min
Response: 225024450
Conc: 3.31 PPB



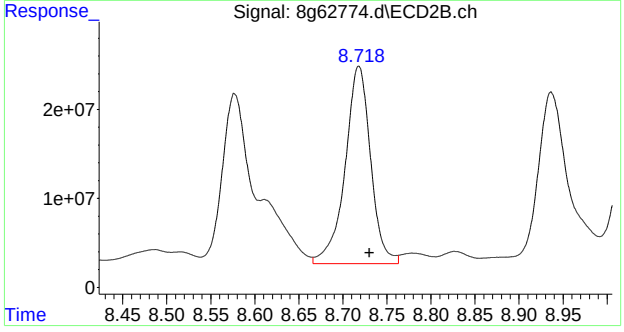
#17 Endrin

R.T.: 8.577 min
Delta R.T.: -0.012 min
Response: 534888882
Conc: 3.79 PPB



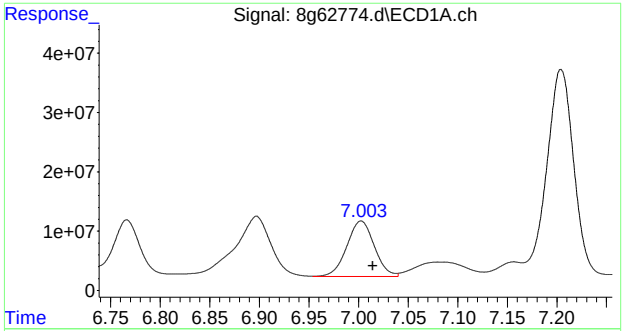
#18 4,4'-DDD

R.T.: 6.767 min
Delta R.T.: -0.011 min
Response: 185786545
Conc: 2.56 PPB



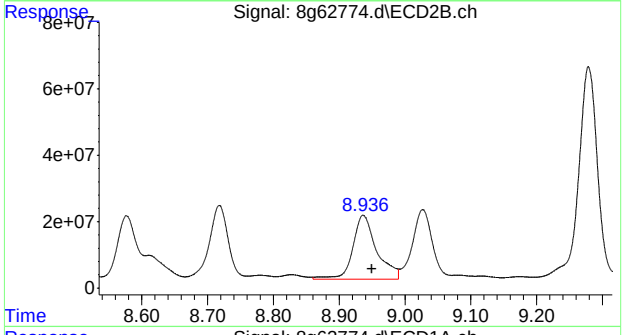
#18 4,4'-DDD

R.T.: 8.718 min
Delta R.T.: -0.012 min
Response: 449343937
Conc: 2.79 PPB



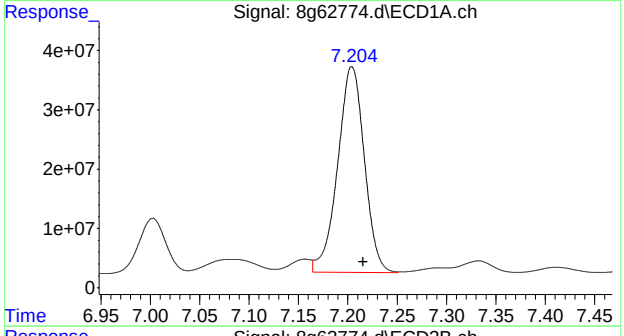
#19 Endosulfan II

R.T.: 7.003 min
Delta R.T.: -0.012 min
Response: 181069309
Conc: 2.39 PPB



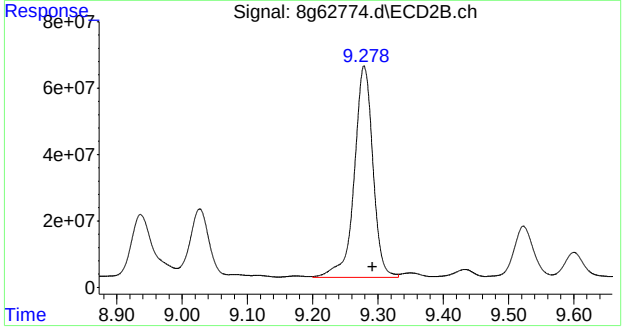
#19 Endosulfan II

R.T.: 8.937 min
Delta R.T.: -0.013 min
Response: 486309320
Conc: 2.97 PPB



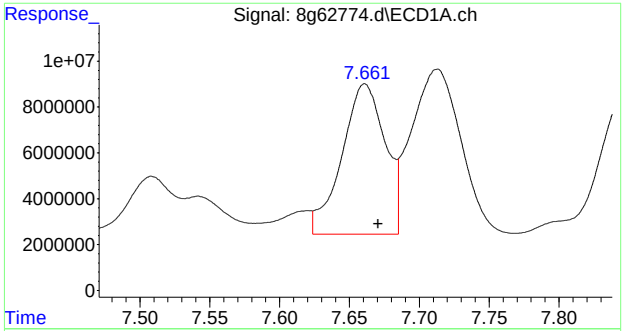
#20 4,4'-DDT

R.T.: 7.204 min
Delta R.T.: -0.012 min
Response: 653383766
Conc: 8.91 PPB m



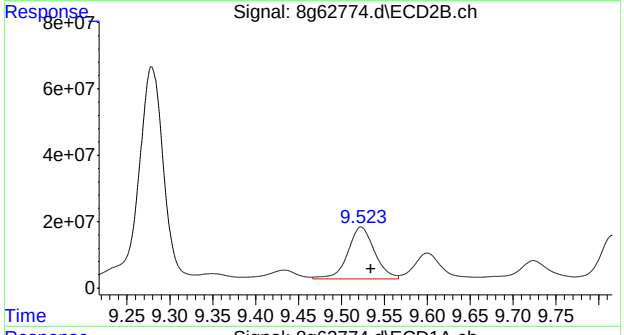
#20 4,4'-DDT

R.T.: 9.278 min
Delta R.T.: -0.014 min
Response: 1264020036
Conc: 9.49 PPB m



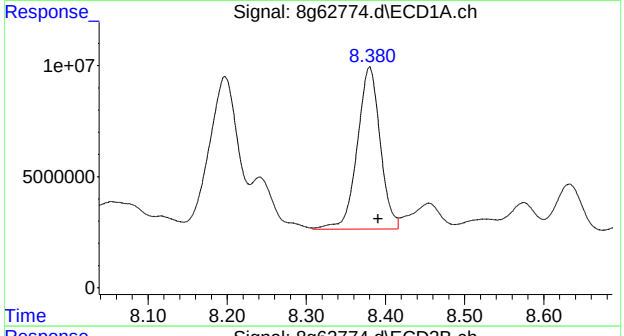
#21 Endrin Aldehyde

R.T.: 7.661 min
Delta R.T.: -0.010 min
Response: 141284547
Conc: 2.26 PPB m



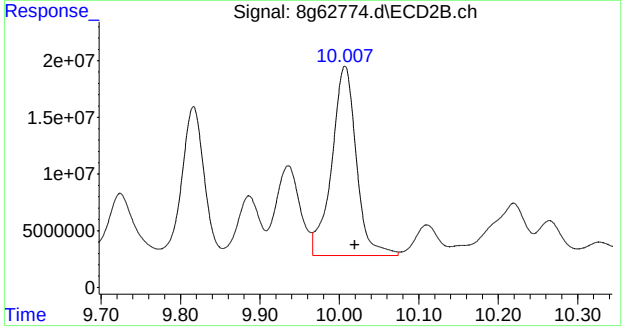
#21 Endrin Aldehyde

R.T.: 9.523 min
Delta R.T.: -0.011 min
Response: 340752209
Conc: 2.65 PPB



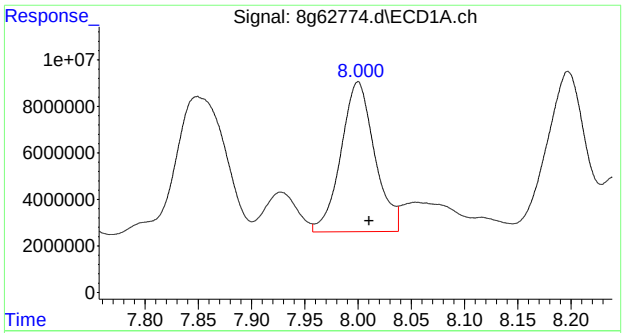
#22 Endosulfan Sulfate

R.T.: 8.380 min
Delta R.T.: -0.010 min
Response: 146957241
Conc: 2.08 PPB m



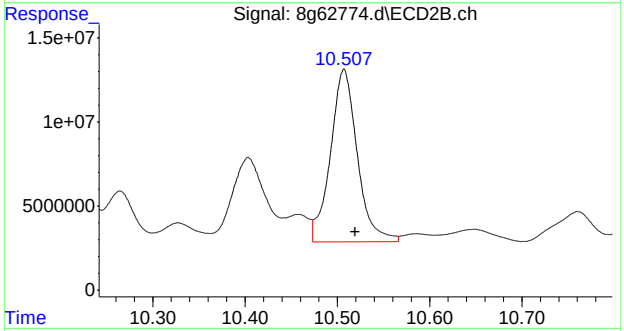
#22 Endosulfan Sulfate

R.T.: 10.007 min
Delta R.T.: -0.013 min
Response: 359555053
Conc: 2.43 PPB



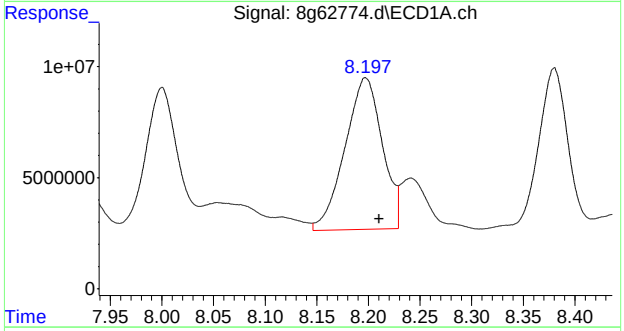
#23 Methoxychlor

R.T.: 8.000 min
Delta R.T.: -0.010 min
Response: 142330667
Conc: 3.34 PPB m



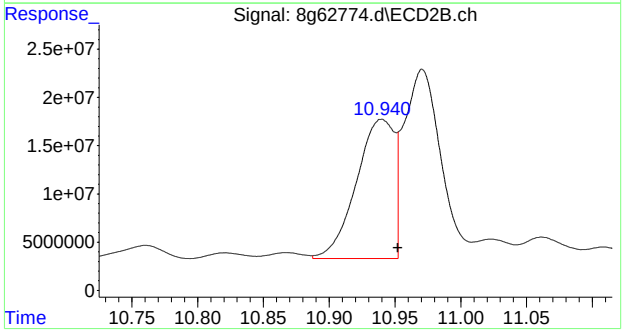
#23 Methoxychlor

R.T.: 10.507 min
Delta R.T.: -0.012 min
Response: 207886442
Conc: 3.14 PPB



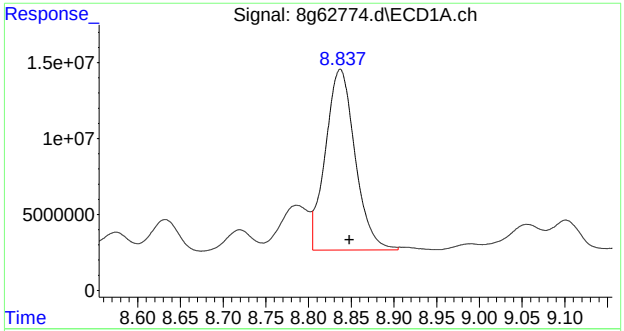
#24 Mirex

R.T.: 8.197 min
Delta R.T.: -0.013 min
Response: 171817497
Conc: 2.66 PPB m



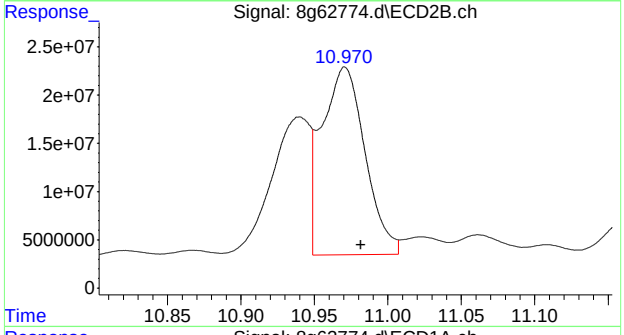
#24 Mirex

R.T.: 10.940 min
Delta R.T.: -0.012 min
Response: 296077310
Conc: 3.12 PPB m



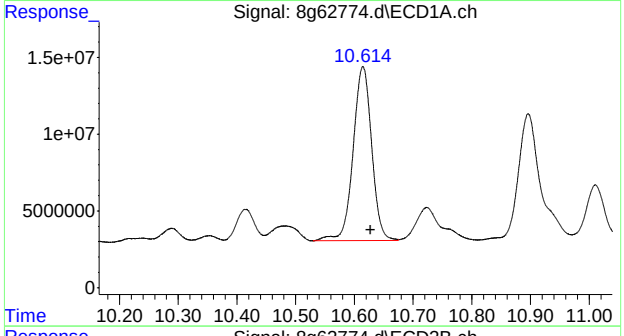
#25 Endrin Ketone

R.T.: 8.837 min
Delta R.T.: -0.011 min
Response: 285829666
Conc: 3.20 PPB m



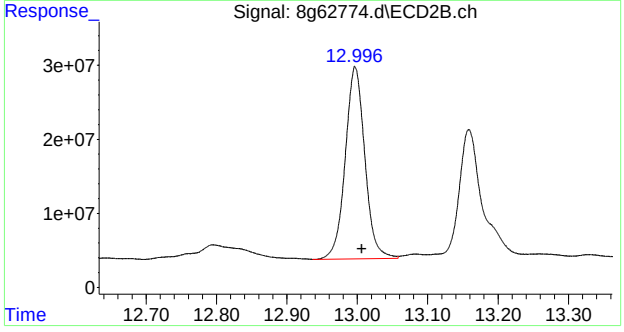
#25 Endrin Ketone

R.T.: 10.970 min
Delta R.T.: -0.012 min
Response: 396342222
Conc: 1.96 PPB m



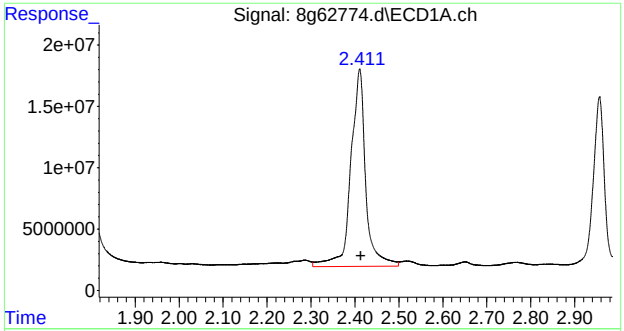
#26 Decachlorobiphenyl

R.T.: 10.615 min
Delta R.T.: -0.013 min
Response: 248754644
Conc: 3.56 PPB



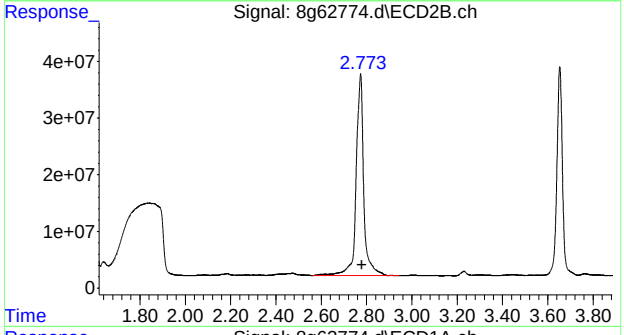
#26 Decachlorobiphenyl

R.T.: 12.997 min
Delta R.T.: -0.009 min
Response: 502815187
Conc: 4.39 PPB



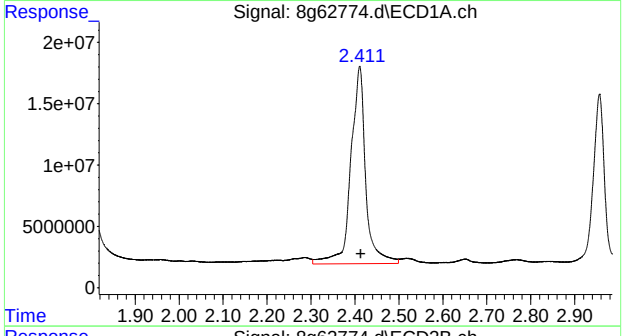
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.410 min
Delta R.T.: -0.004 min
Response: 376537789
Conc: 5.00 PPB



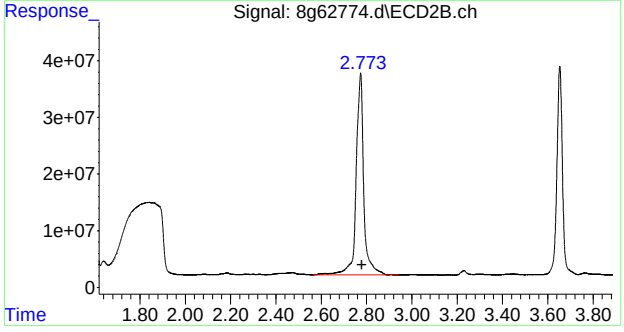
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.772 min
Delta R.T.: -0.006 min
Response: 827353265
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.410 min
Delta R.T.: -0.004 min
Response: 376537789
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.772 min
Delta R.T.: -0.006 min
Response: 827353265
Conc: 5.00 PPB

Manual Integration Approval Summary

Sample Number: OP59833-MS
Lab FileID: 8G62774.D
Injection Time: 12/03/24 05:07
Method: SW846 8081B
Analyst approved: 12/11/24 16:57 Gwendolyn Burns
Supervisor approved: 12/11/24 17:29 Gwendolyn Burns

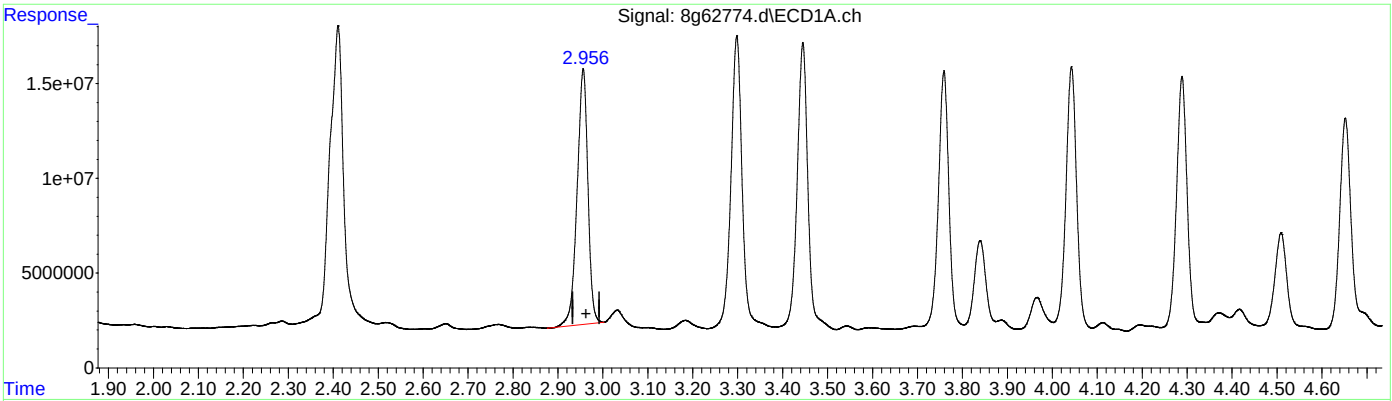
Parameter	CAS	Sig#	R.T. (min.)	Reason
Tetrachloro-m-xylene	877-09-8	1	2.96	Poorly defined baseline
gamma-BHC (Lindane)	58-89-9	1	3.76	Poorly defined baseline
Heptachlor	76-44-8	1	4.29	Poorly defined baseline
Heptachlor epoxide	1024-57-3	1	5.42	Poorly defined baseline
Dieldrin	60-57-1	1	6.32	Poorly defined baseline
4,4'-DDT	50-29-3	1	7.20	Poorly defined baseline
Endrin aldehyde	7421-93-4	1	7.66	Poorly defined baseline
Methoxychlor	72-43-5	1	8.00	Poorly defined baseline
Mirex	2385-85-5	1	8.20	Poorly defined baseline
Endosulfan sulfate	1031-07-8	1	8.38	Poorly defined baseline
Endrin ketone	53494-70-5	1	8.84	Poorly defined baseline
4,4'-DDT	50-29-3	2	9.28	Poorly defined baseline
Mirex	2385-85-5	2	10.94	Poorly defined baseline
Endrin ketone	53494-70-5	2	10.97	Poorly defined baseline

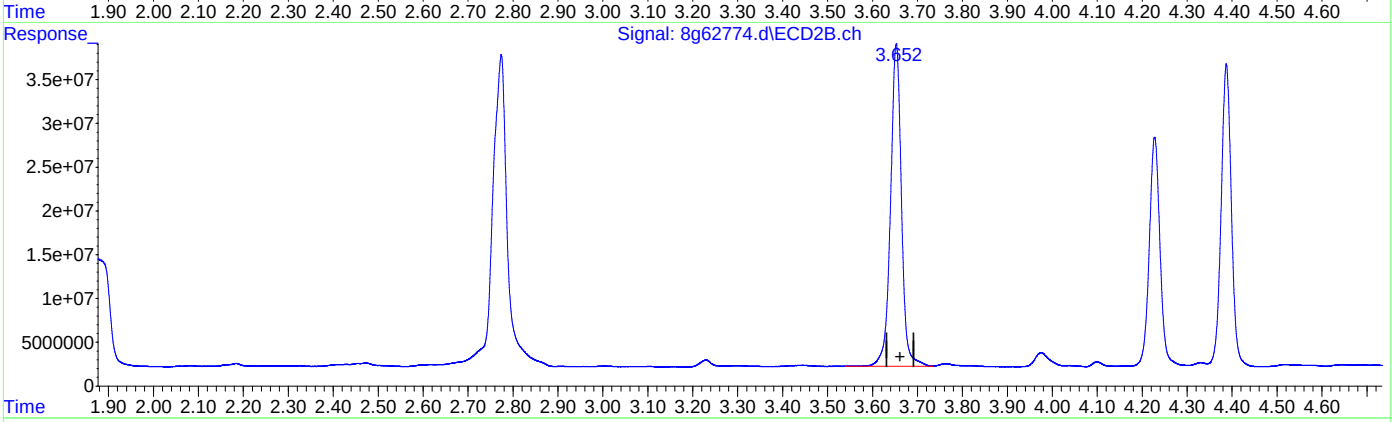
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62774.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:07 am
Operator : christp
Sample : op59833-ms m
Misc : op59833,g8g2700,5.3,,,10,1
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:38 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(2) Tetrachloro-m-xylene (SAB)

2.956min 3.105 PPB

response 225538493

(2) Tetrachloro-m-xylene #2 (SAB)

3.653min 3.069 PPB

response 622082130

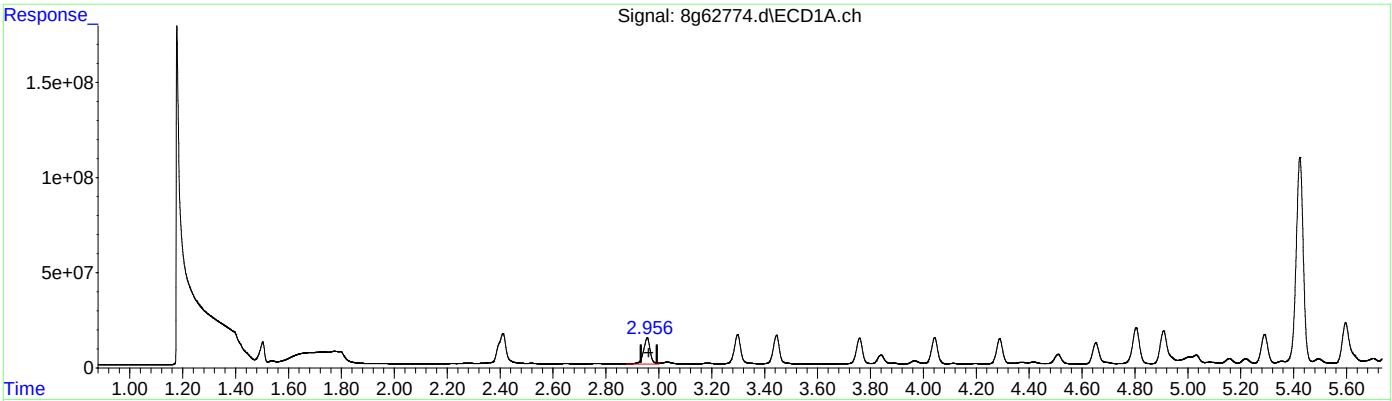
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:34:31 2024

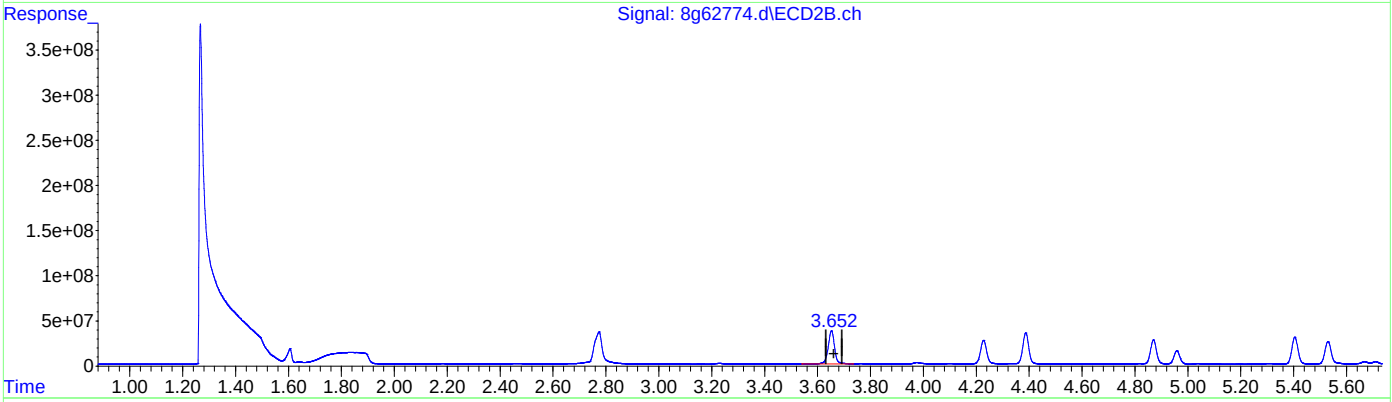
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62774.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:07 am
Operator : christp
Sample : op59833-ms m
Misc : op59833,g8g2700,5.3,,,10,1
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:38 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(2) Tetrachloro-m-xylene (SAB)

2.956min 3.305 PPB m

response 240079068

(2) Tetrachloro-m-xylene #2 (SAB)

3.653min 3.069 PPB

response 622082130

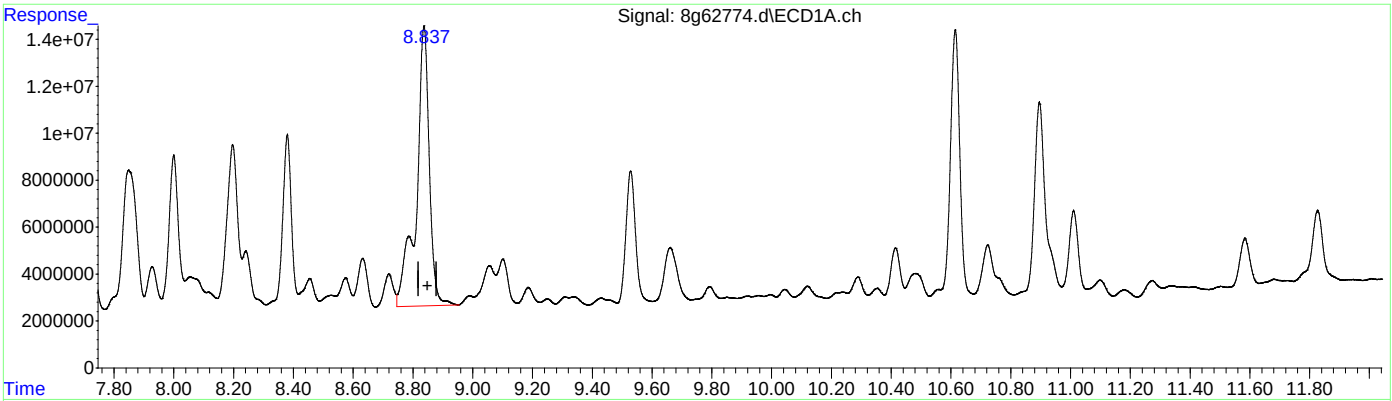
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:34:36 2024

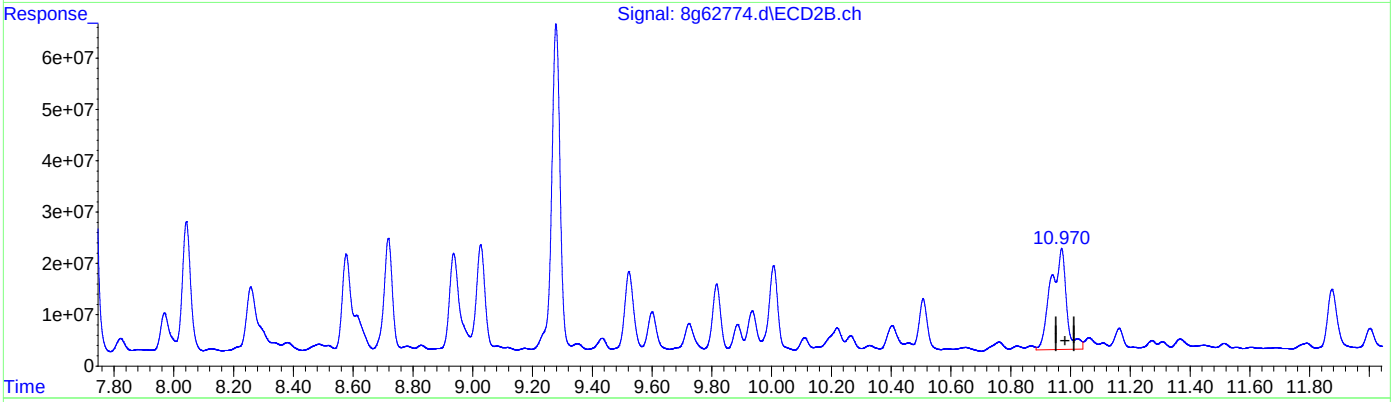
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62774.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:07 am
Operator : christp
Sample : op59833-ms m
Misc : op59833,g8g2700,5.3,,,10,1
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:38 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(25) Endrin Ketone (B)

8.837min 4.040 PPB

response 361031251

(25) Endrin Ketone #2 (B)

10.970min 3.530 PPB

response 713564225

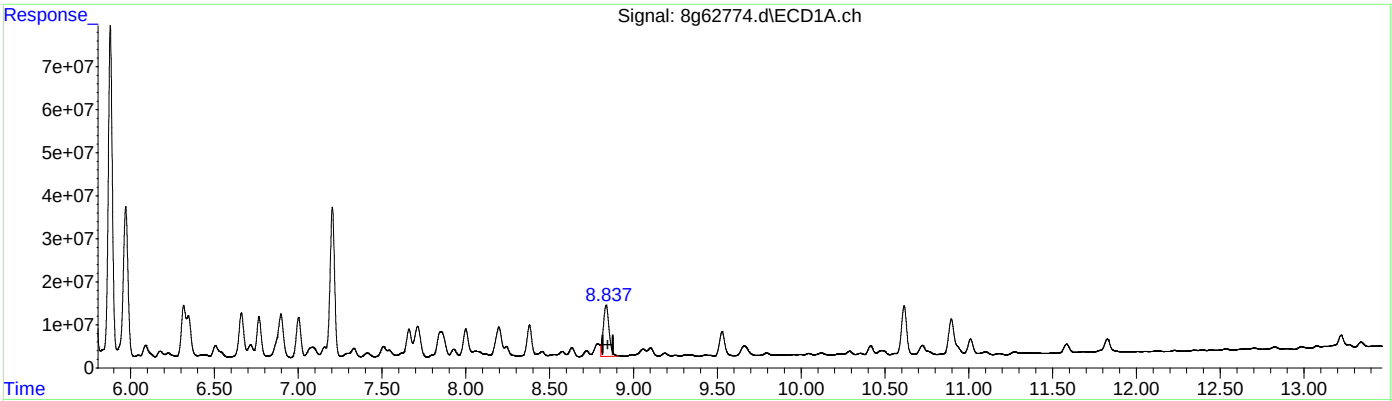
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:35:04 2024

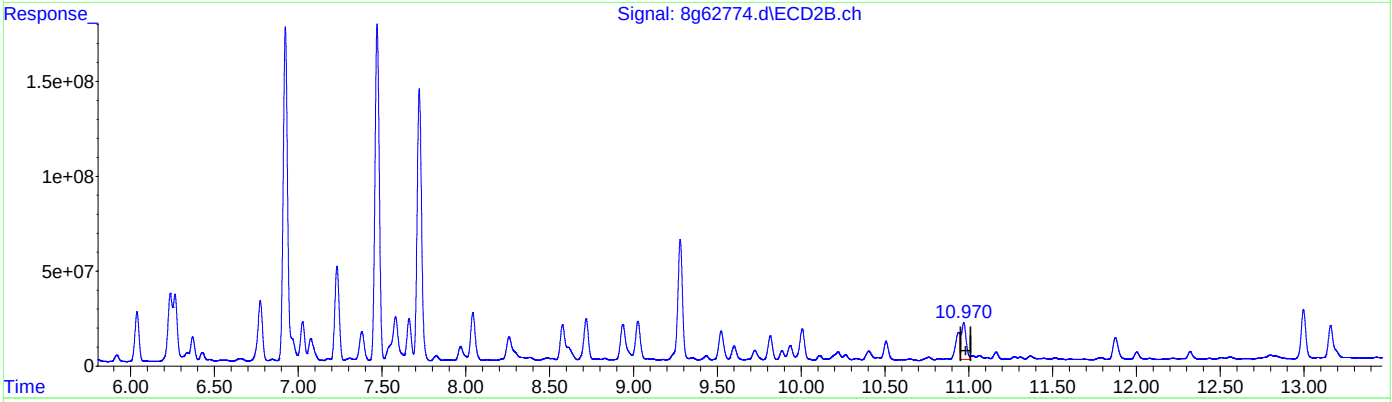
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62774.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:07 am
Operator : christp
Sample : op59833-ms m
Misc : op59833,g8g2700,5.3,,,10,1
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:38 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(25) Endrin Ketone (B)

8.837min 3.199 PPB m

response 285829666

(25) Endrin Ketone #2 (B)

10.970min 1.961 PPB m

response 396342222

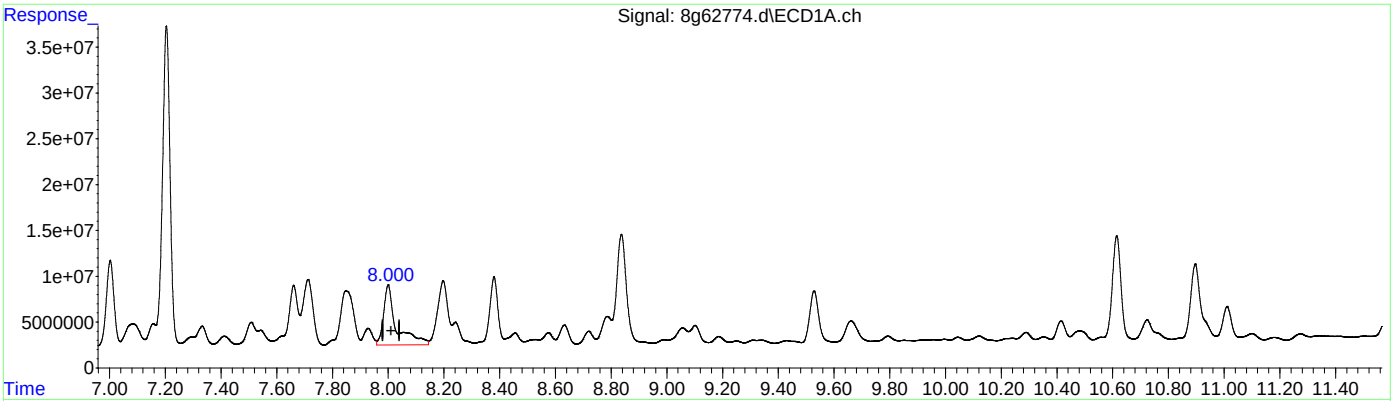
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:35:20 2024

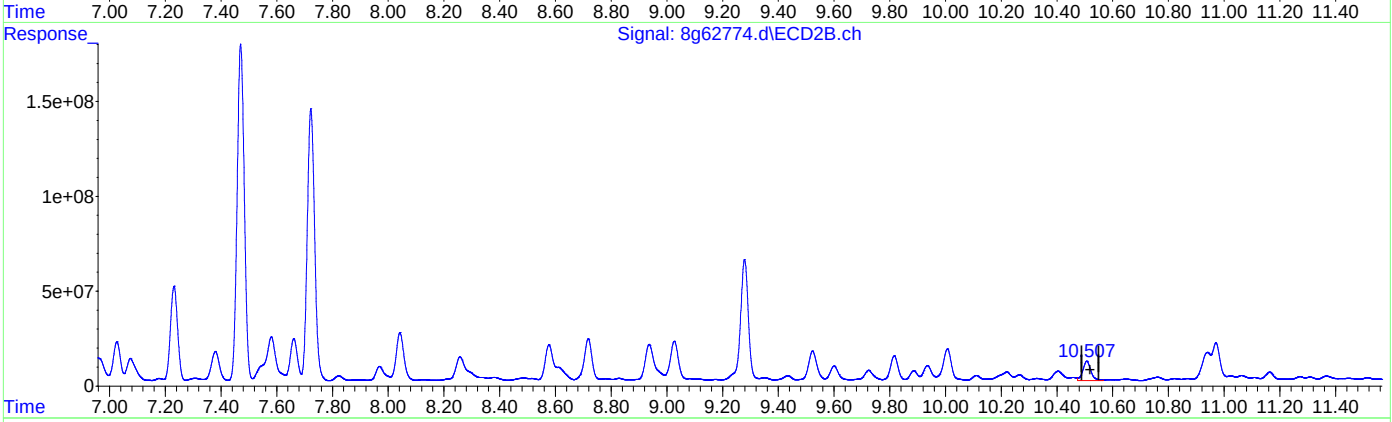
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62774.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:07 am
Operator : christp
Sample : op59833-ms m
Misc : op59833,g8g2700,5.3,,,10,1
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:38 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(23) Methoxychlor (A)

8.000min 4.925 PPB

response 210032768

(23) Methoxychlor #2 (A)

10.507min 3.141 PPB

response 207886442

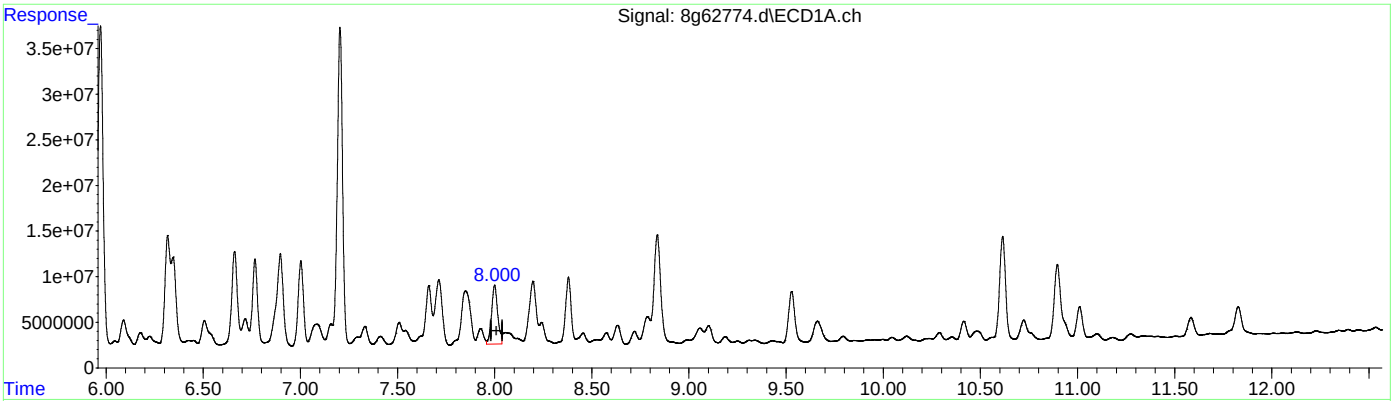
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:35:40 2024

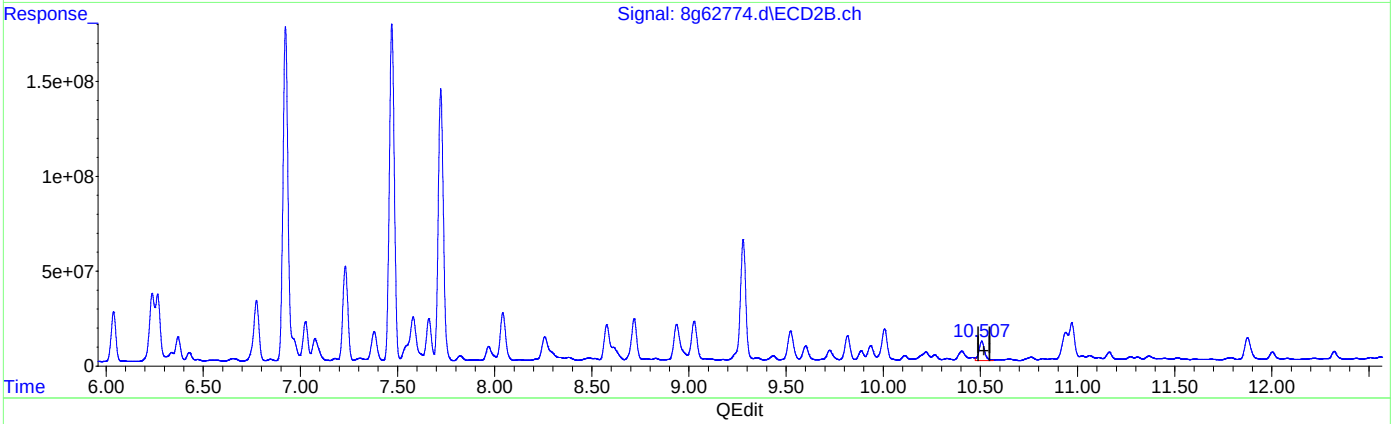
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62774.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:07 am
Operator : christp
Sample : op59833-ms m
Misc : op59833,g8g2700,5.3,,,10,1
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:38 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(23) Methoxychlor (A)

8.000min 3.337 PPB m

response 142330667

(23) Methoxychlor #2 (A)

10.507min 3.141 PPB

response 207886442

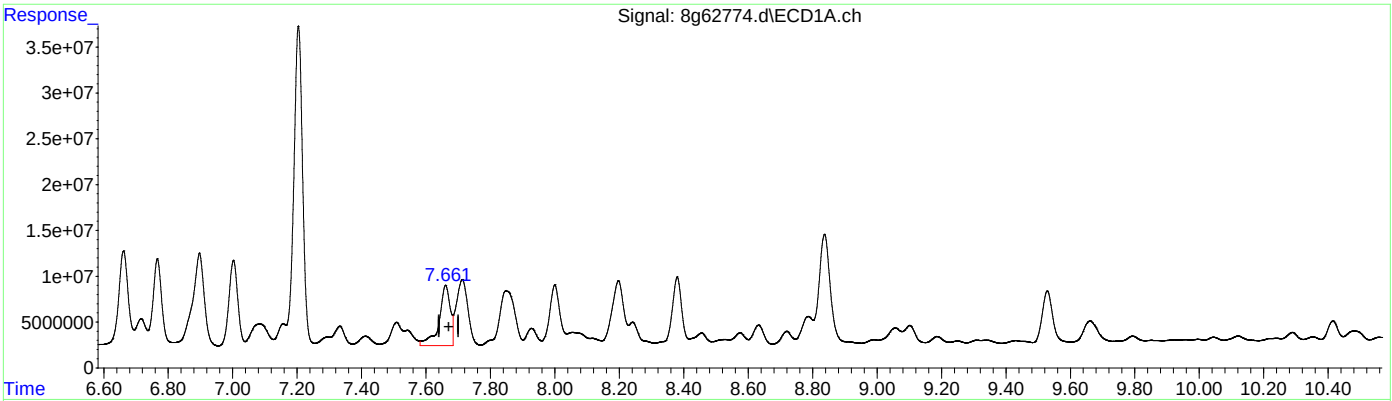
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:35:46 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62774.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:07 am
Operator : christp
Sample : op59833-ms m
Misc : op59833,g8g2700,5.3,,,10,1
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:38 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(21) Endrin Aldehyde (B)

7.661min 2.551 PPB

response 159109061

(21) Endrin Aldehyde #2 (B)

9.523min 2.650 PPB

response 340752209

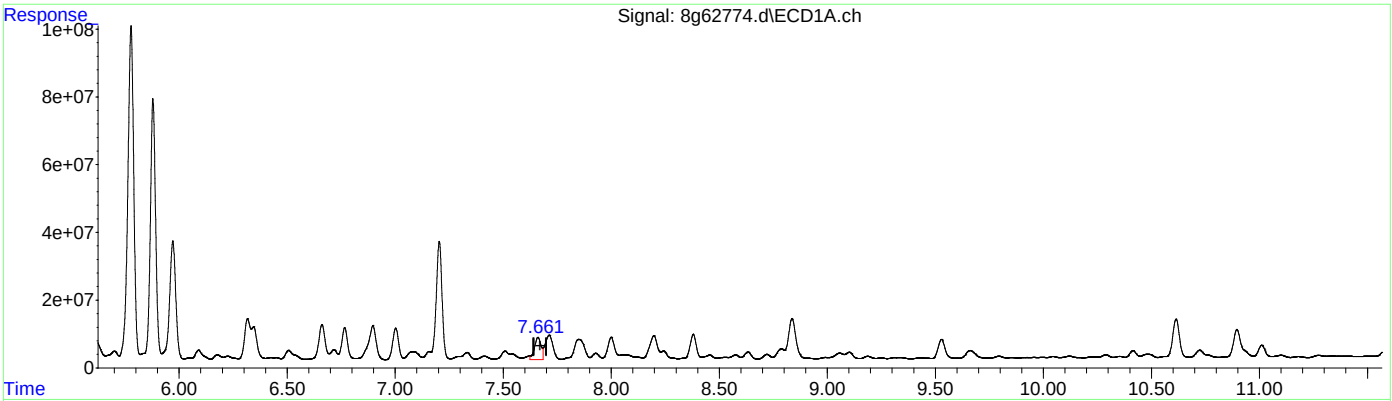
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:35:58 2024

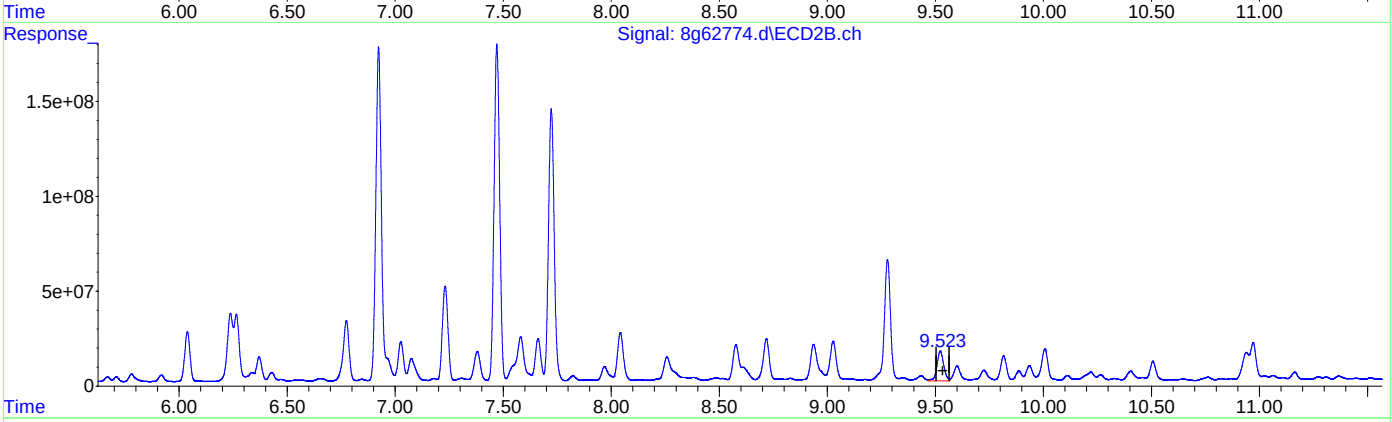
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62774.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:07 am
Operator : christp
Sample : op59833-ms m
Misc : op59833,g8g2700,5.3,,,10,1
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:38 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(21) Endrin Aldehyde (B)

7.661min 2.265 PPB m

response 141284547

(21) Endrin Aldehyde #2 (B)

9.523min 2.650 PPB

response 340752209

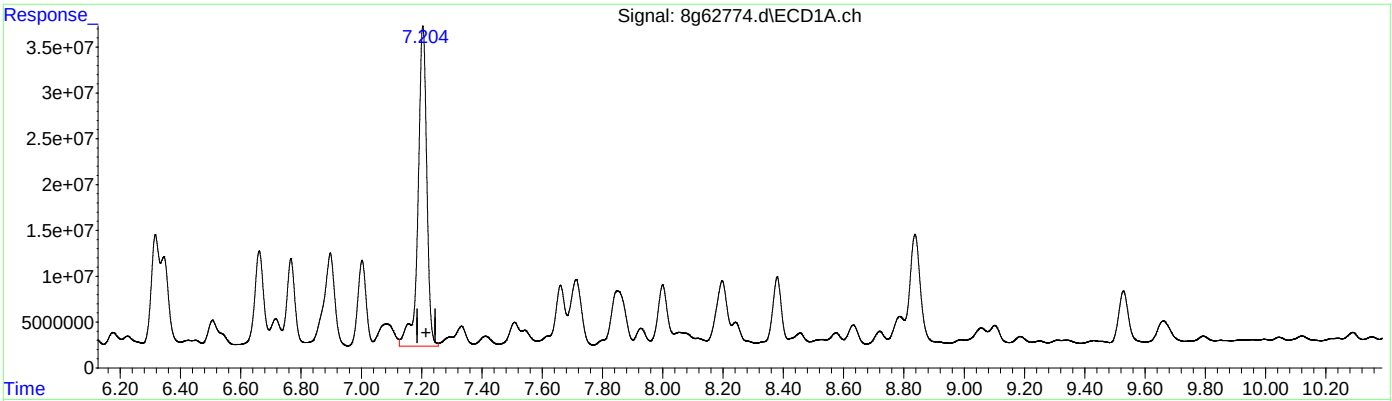
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:36:01 2024

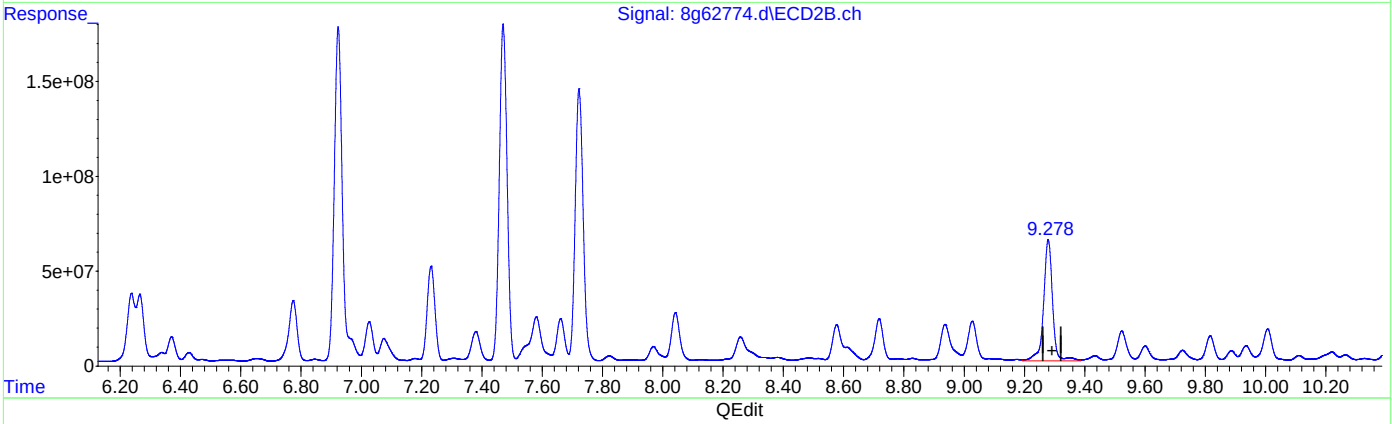
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62774.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:07 am
Operator : christp
Sample : op59833-ms m
Misc : op59833,g8g2700,5.3,,,10,1
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:38 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(20) 4,4'-DDT (MA)

7.204min 9.610 PPB

response 704965675

(20) 4,4'-DDT #2 (MA)

9.279min 9.945 PPB

response 1324966255

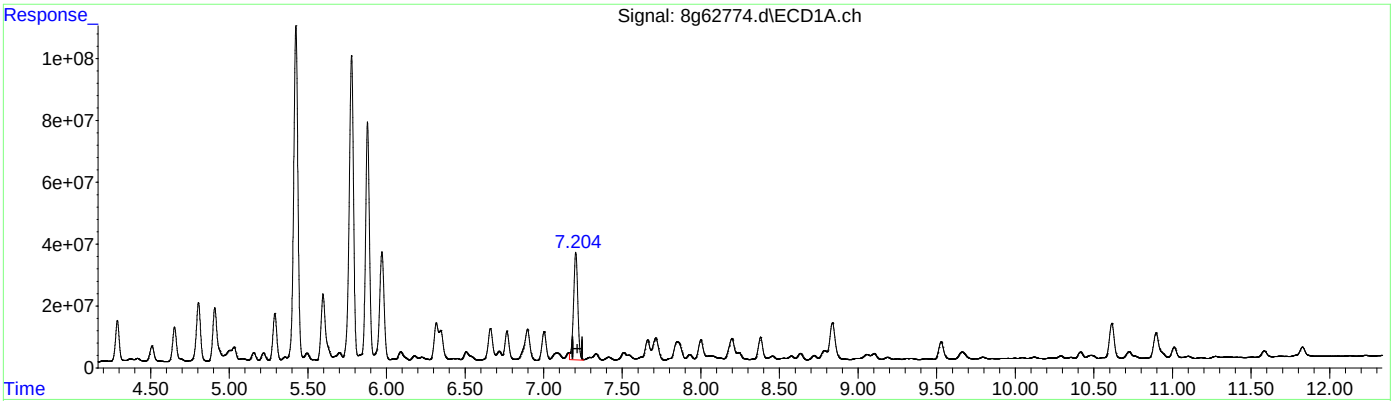
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:36:26 2024

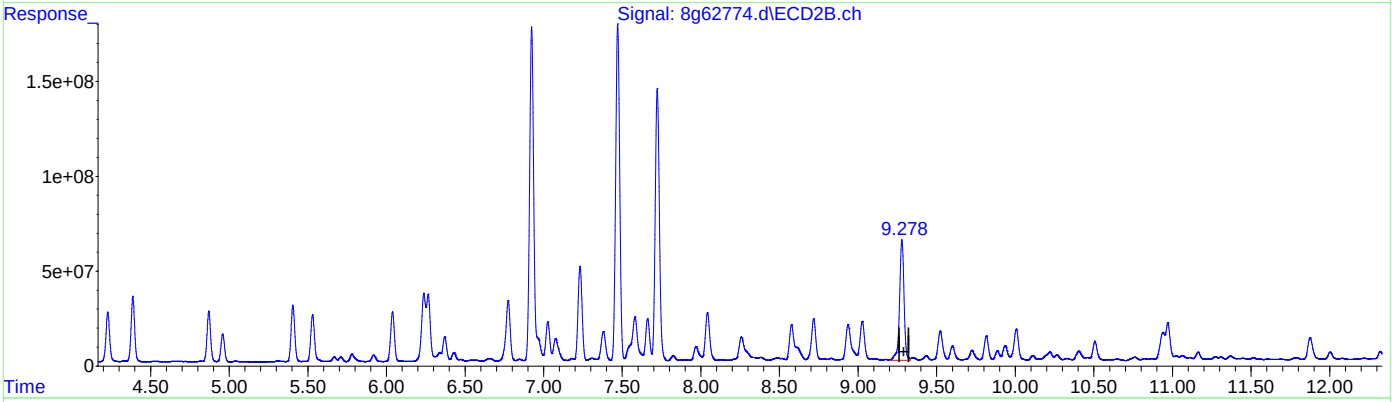
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62774.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:07 am
Operator : christp
Sample : op59833-ms m
Misc : op59833,g8g2700,5.3,,,10,1
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:38 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(20) 4,4'-DDT (MA)

7.204min 8.907 PPB m

response 653383766

(20) 4,4'-DDT #2 (MA)

9.278min 9.487 PPB m

response 1264020036

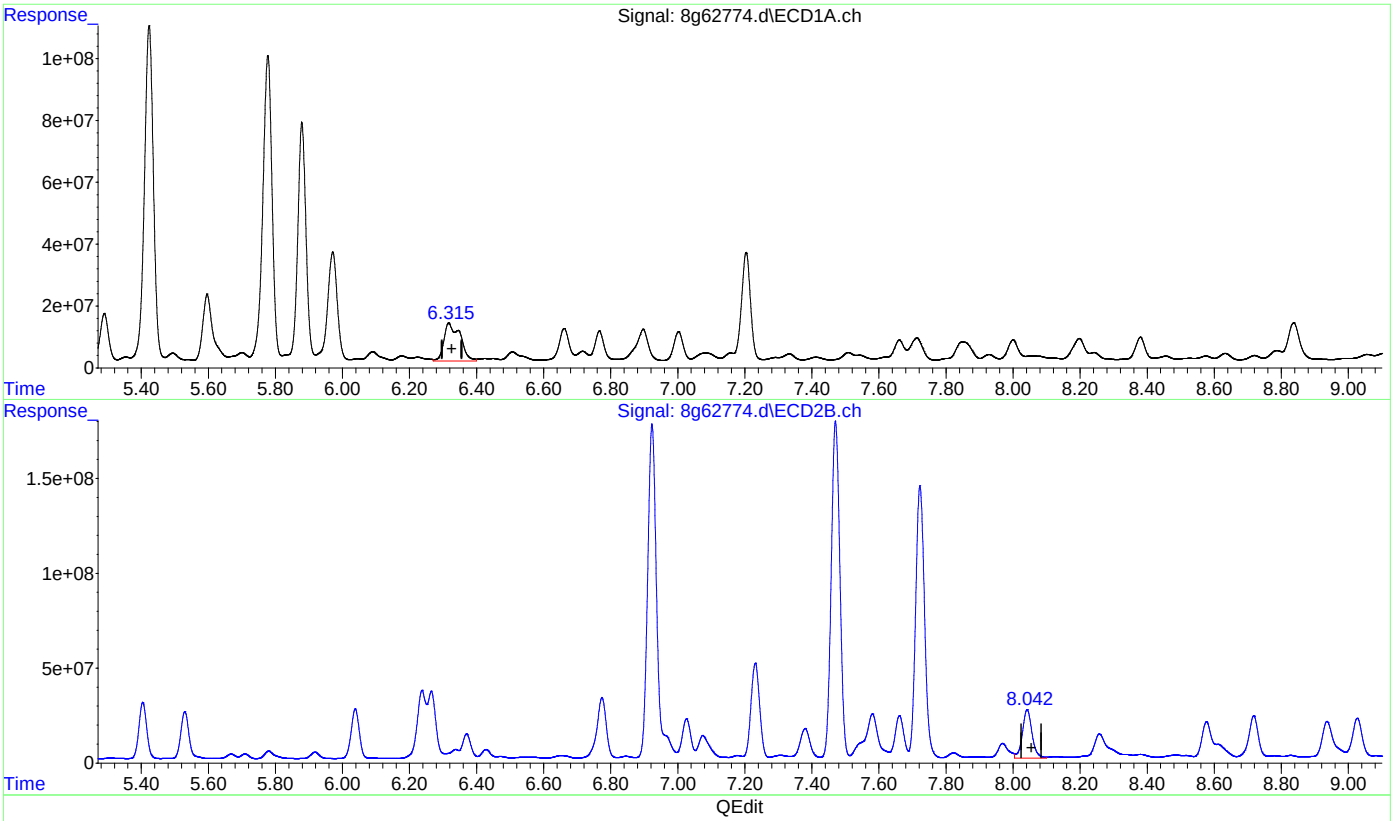
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:36:35 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62774.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:07 am
Operator : christp
Sample : op59833-ms m
Misc : op59833,g8g2700,5.3,,,10,1
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:38 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(16) Dieldrin (MA)

6.318min 4.759 PPB

response 410629870

(16) Dieldrin #2 (MA)

8.042min 2.608 PPB

response 510743329

(+) = Expected Retention Time

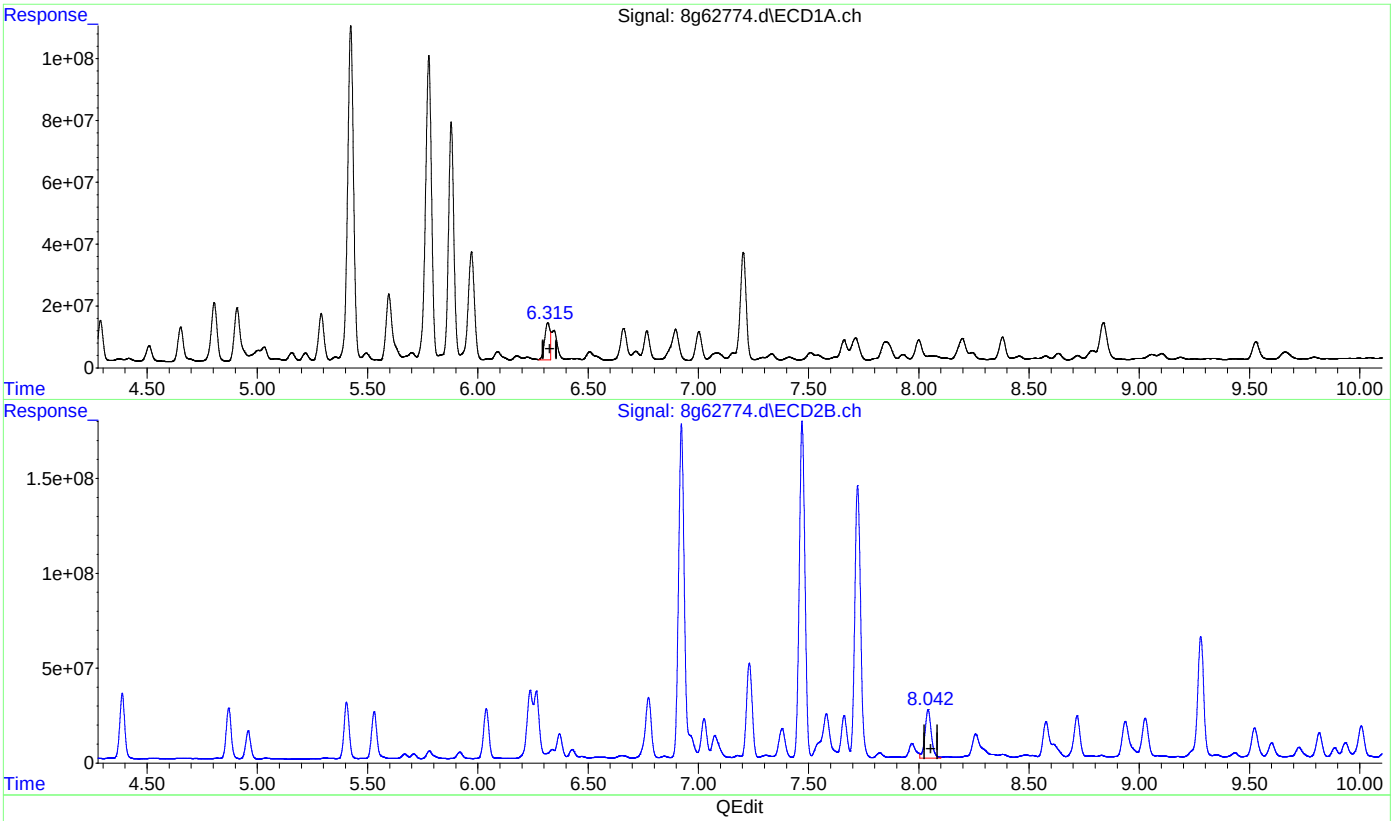
8PSTLVI2596a.M Tue Dec 03 12:36:43 2024 Page: 1

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62774.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:07 am
Operator : christp
Sample : op59833-ms m
Misc : op59833,g8g2700,5.3,,,10,1
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:38 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(16) Dieldrin (MA)

6.315min 2.311 PPB m

response 199369465

(16) Dieldrin #2 (MA)

8.042min 2.608 PPB

response 510743329

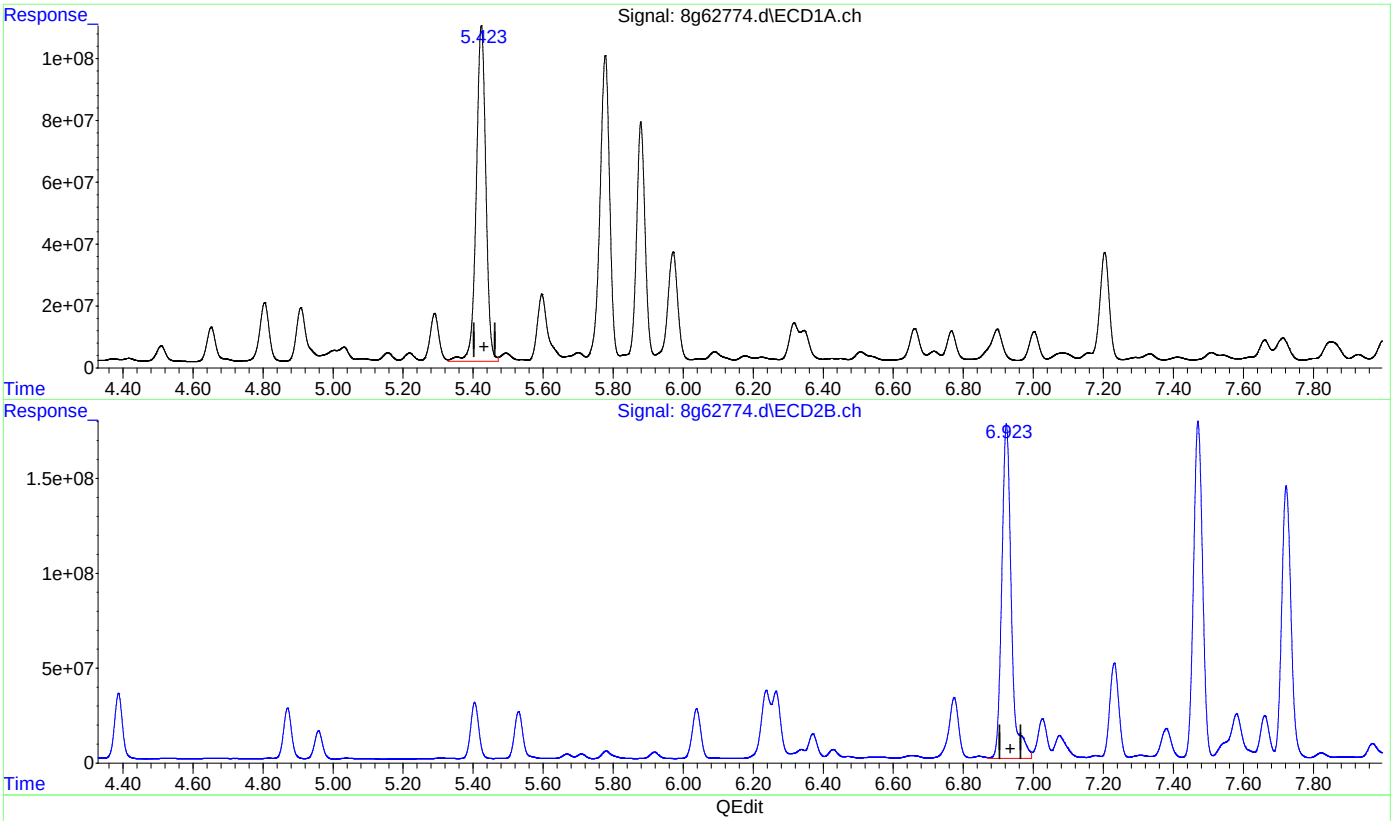
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:36:52 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62774.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:07 am
Operator : christp
Sample : op59833-ms m
Misc : op59833,g8g2700,5.3,,,10,1
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:38 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(11) Heptachlor Epoxide (B)

5.424min 24.290 PPB

response 2074745284

(11) Heptachlor Epoxide #2 (B)

6.923min 17.285 PPB

response 3325935094

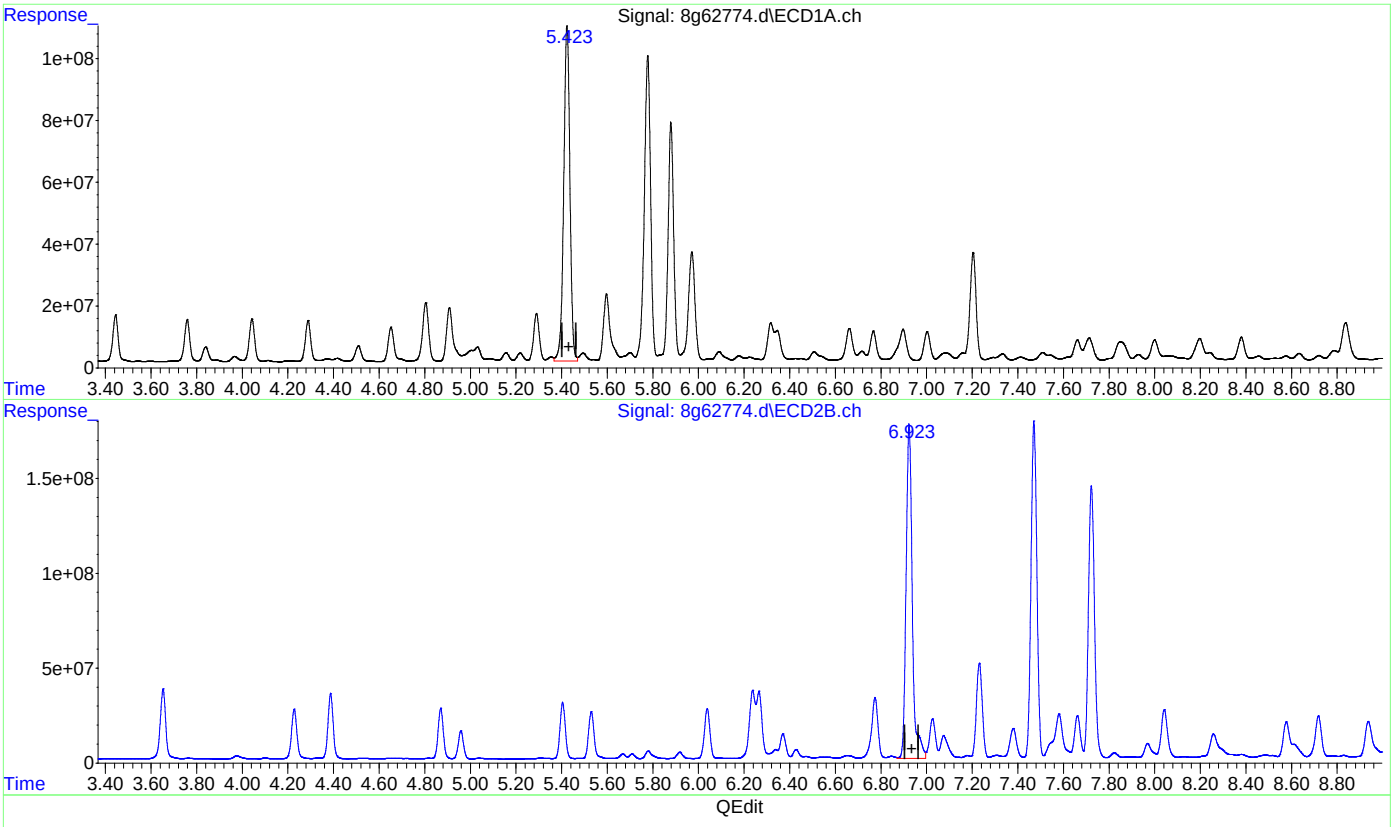
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:37:00 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62774.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:07 am
Operator : christp
Sample : op59833-ms m
Misc : op59833,g8g2700,5.3,,,10,1
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:38 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(11) Heptachlor Epoxide (B)

5.423min 23.932 PPB m

response 2044174498

(11) Heptachlor Epoxide #2 (B)

6.923min 17.285 PPB

response 3325935094

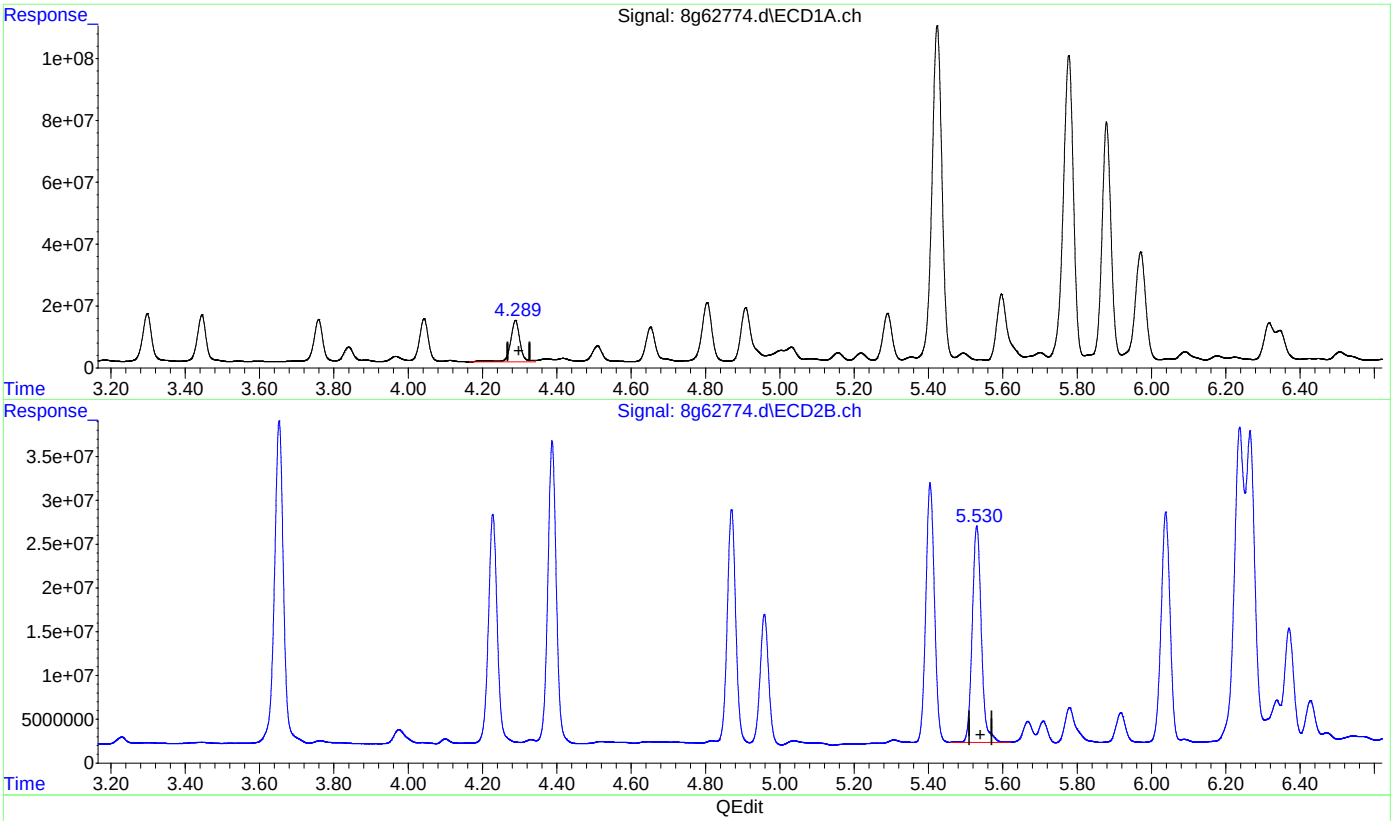
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:37:05 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62774.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:07 am
Operator : christp
Sample : op59833-ms m
Misc : op59833,g8g2700,5.3,,,10,1
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:38 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(6) Heptachlor (MA)

4.289min 2.440 PPB

response 238962714

(6) Heptachlor #2 (MA)

5.530min 2.147 PPB

response 422313551

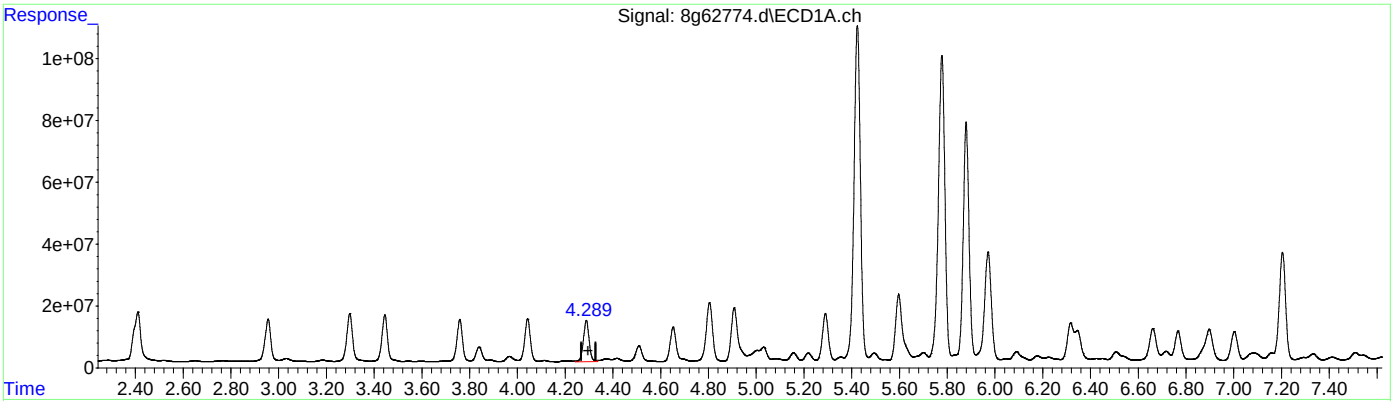
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:38:56 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62774.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:07 am
Operator : christp
Sample : op59833-ms m
Misc : op59833,g8g2700,5.3,,,10,1
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:38 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(6) Heptachlor (MA)

4.289min 2.294 PPB m

response 224732625

(6) Heptachlor #2 (MA)

5.530min 2.147 PPB

response 422313551

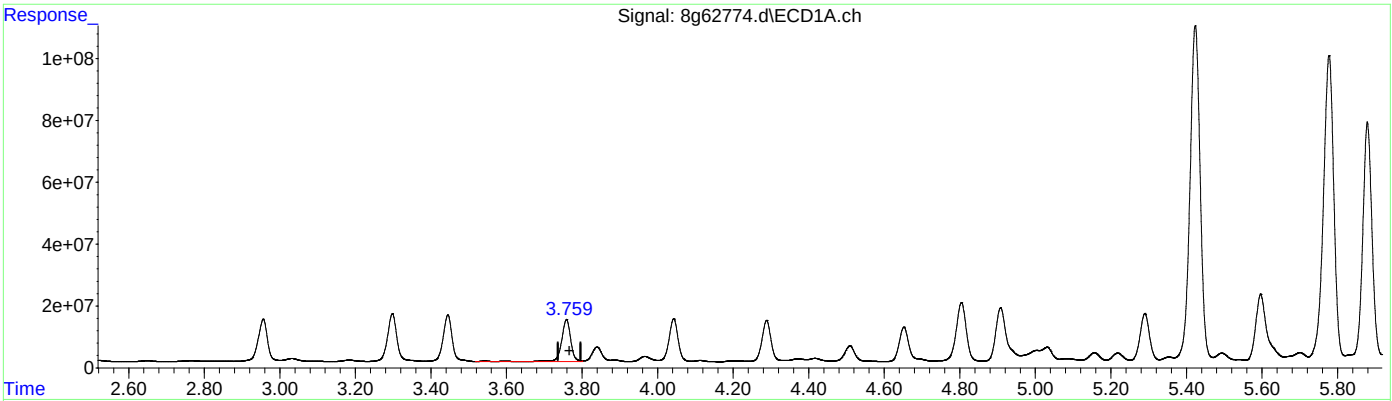
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:39:02 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62774.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:07 am
Operator : christp
Sample : op59833-ms m
Misc : op59833,g8g2700,5.3,,,10,1
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:38 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(5) gamma-BHC (MA)

3.759min 2.430 PPB

response 231036259

(5) gamma-BHC #2 (MA)

4.870min 1.944 PPB

response 432864341

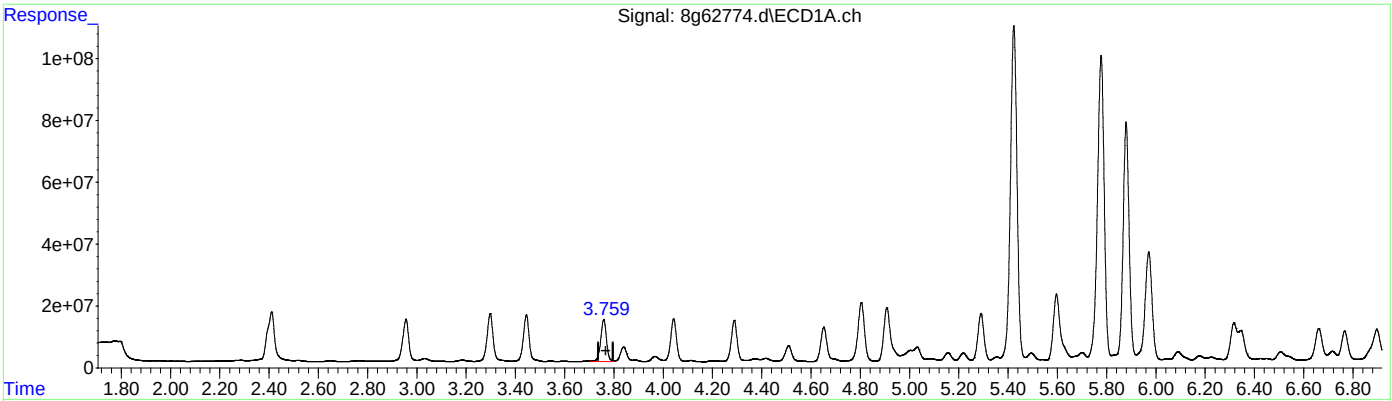
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:39:05 2024

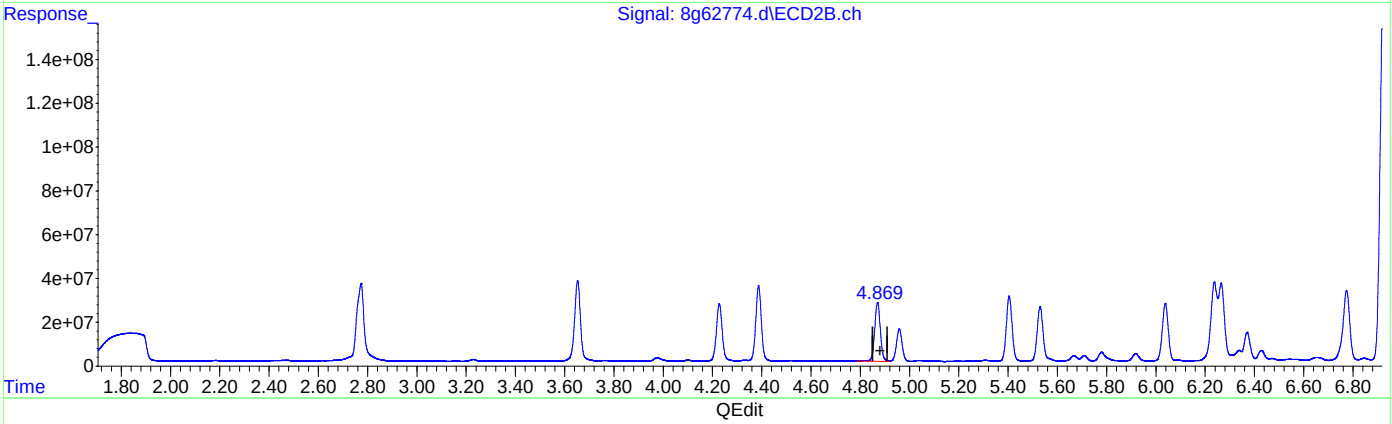
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62774.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:07 am
Operator : christp
Sample : op59833-ms m
Misc : op59833,g8g2700,5.3,,,10,1
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:38 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(5) gamma-BHC (MA)

3.759min 2.359 PPB m

response 224266289

(5) gamma-BHC #2 (MA)

4.870min 1.944 PPB

response 432864341

(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:39:18 2024

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 12/11/24 17:29

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62775.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:31 am
Operator : christp
Sample : op59833-msd m
Misc : op59833,g8g2700,5.2,,,10,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:42:51 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
		Internal Standards						
1)	I	1-bromo-2...	2.406	2.769	348.7E6	716.4E6	5.000	5.000
27)	I	1-bromo-2...	2.406	2.769	348.7E6	716.4E6	5.000	5.000
33)	I	1-bromo-2...	2.406	2.769	348.7E6	716.4E6	5.000	5.000
		System Monitoring Compounds						
2)	SAB	Tetrachlo...	2.954	3.651	210.9E6	567.4E6	3.135	3.232
		Spiked Amount 40.000	Range 30 - 150		Recovery =		7.84%#	8.08%#
26)	SA	Decachlor...	10.615	12.998	222.4E6	511.3E6	3.437	5.150 #
		Spiked Amount 40.000			Recovery =		8.59%	12.88%
		Target Compounds						
3)		hexachlor...	3.296	4.227	257.5E6	416.7E6	2.429	2.231
4)	A	alpha-BHC	3.443	4.386	244.0E6	499.6E6	2.605	2.291m
5)	MA	gamma-BHC	3.757	4.869	201.9E6	402.7E6	2.293	2.088m
6)	MA	Heptachlor	4.288	5.529	202.7E6	397.2E6	2.235m	2.332m
7)	B	beta-BHC	3.838	4.959	84544267	217.2E6	2.033	2.207
8)	B	delta-BHC	4.041	5.405	206.1E6	449.9E6	2.331	2.408
9)	MB	Aldrin	4.651	6.038	193.3E6	437.9E6	2.411	2.483
10)		alachlor	4.804	5.779	375.9E6	84630104	31.306	3.217 #
11)	B	Heptachlo...	5.422	6.924	2082.5E6	3423.2E6	26.324m	20.546
12)	B	gamma-Chl...	5.596	7.232	476.9E6	924.9E6	5.656	5.615m
13)	B	alpha-Chl...	5.777	7.472	1959.6E6	3319.6E6	24.955	20.287
14)	A	Endosulfan I	5.970f	7.582	736.3E6	533.2E6	10.036	3.556m#
15)	B	4,4'-DDE	5.879	7.724	1345.8E6	2685.1E6	16.744	16.927
16)	MA	Dieldrin	6.316	8.043	204.7E6	483.2E6	2.561m	2.850
17)	MA	Endrin	6.662	8.579	214.9E6	510.5E6	3.411	4.178
18)	A	4,4'-DDD	6.767	8.719	185.9E6	459.3E6	2.762	3.293
19)	B	Endosulfa...	7.003	8.938	167.8E6	447.1E6	2.387	3.154 #
20)	MA	4,4'-DDT	7.203	9.279	656.5E6	1302.1E6	9.662m	11.286
21)	B	Endrin Al...	7.661	9.524	143.5E6	331.4E6	2.484	2.977
22)	B	Endosulfa...	8.379	10.006	143.7E6	327.2E6	2.199	2.554
23)	A	Methoxychlor	8.000	10.508	137.4E6	191.0E6	3.479m	3.332
24)		Mirex	8.195	10.939	161.0E6	277.2E6	2.686m	3.374m#
25)	B	Endrin Ke...	8.838	10.970	279.5E6	390.3E6	3.377m	2.230m#

SemiQuant Compounds - Not Calibrated on this Instrument

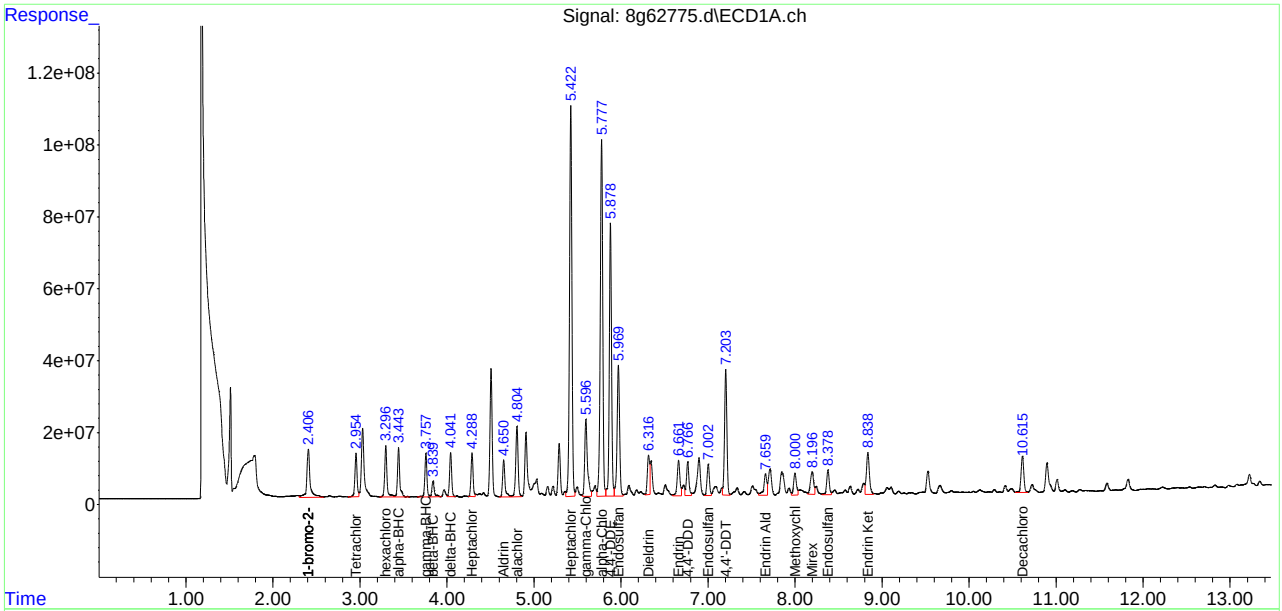
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

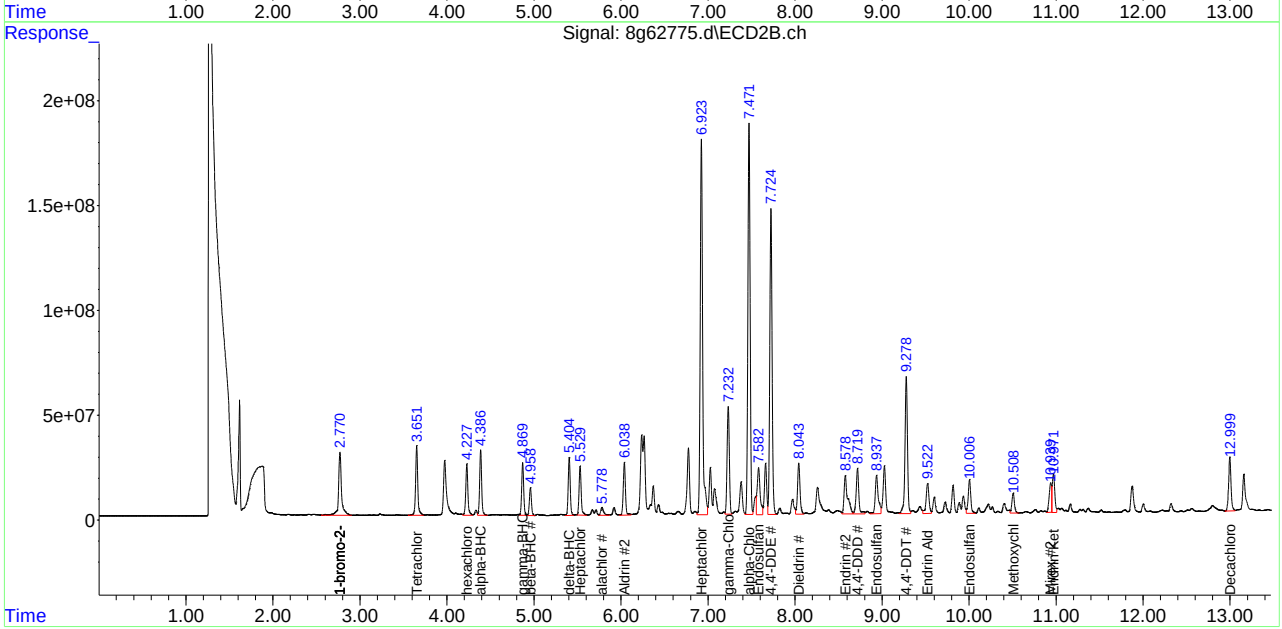
Quantitation Report (QT Reviewed)

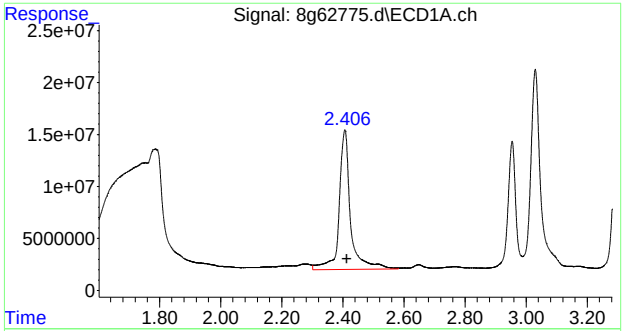
Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62775.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:31 am
Operator : christp
Sample : op59833-msd m
Misc : op59833,g8g2700,5.2,,,10,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:42:51 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

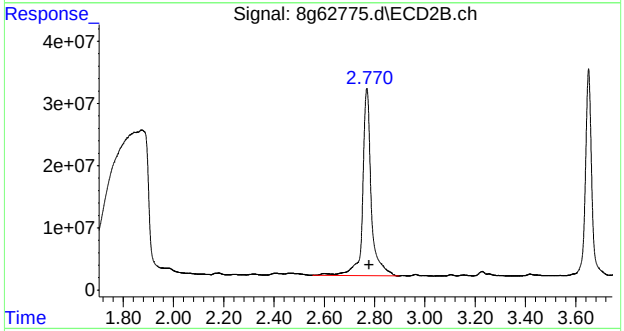






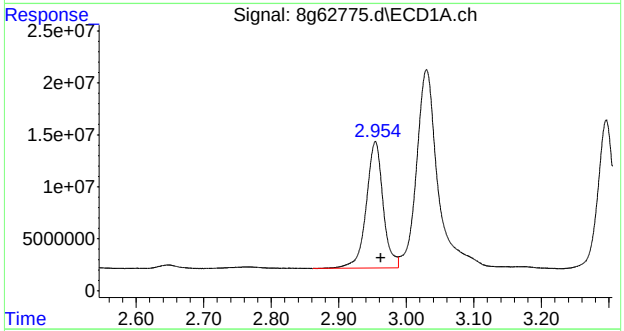
#1 1-bromo-2-nitrobenzene

R.T.: 2.406 min
Delta R.T.: -0.007 min
Response: 348744873
Conc: 5.00 PPB



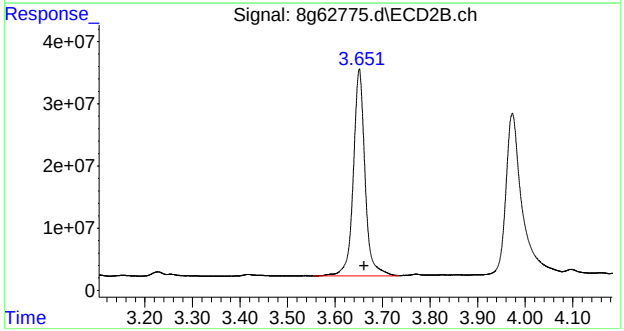
#1 1-bromo-2-nitrobenzene

R.T.: 2.769 min
Delta R.T.: -0.009 min
Response: 716412005
Conc: 5.00 PPB



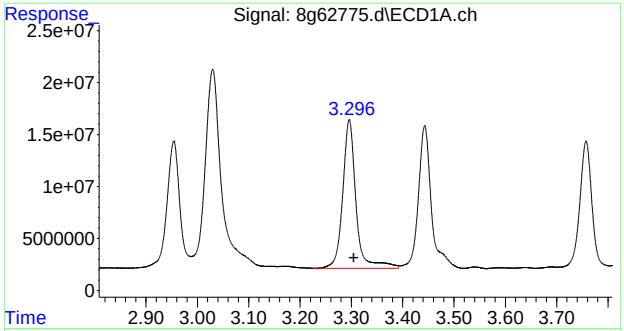
#2 Tetrachloro-m-xylene

R.T.: 2.954 min
Delta R.T.: -0.008 min
Response: 210946722
Conc: 3.14 PPB



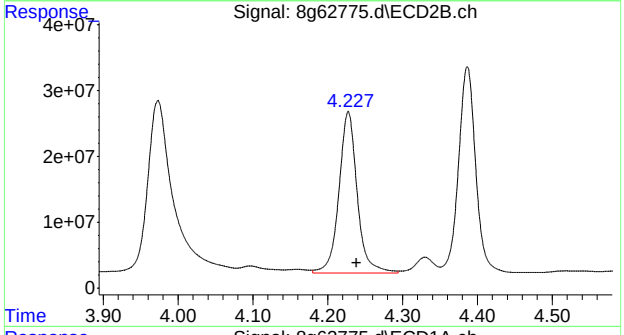
#2 Tetrachloro-m-xylene

R.T.: 3.651 min
Delta R.T.: -0.010 min
Response: 567379115
Conc: 3.23 PPB



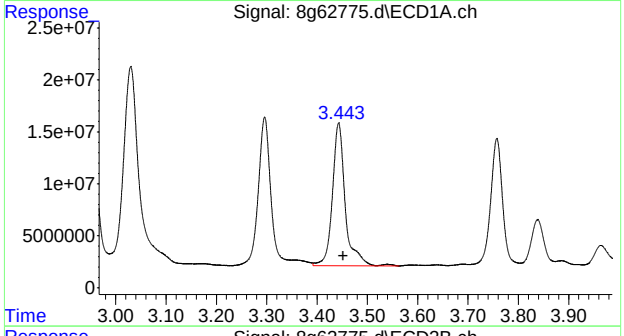
#3 hexachlorobenzene

R.T.: 3.296 min
Delta R.T.: -0.009 min
Response: 257461633
Conc: 2.43 PPB



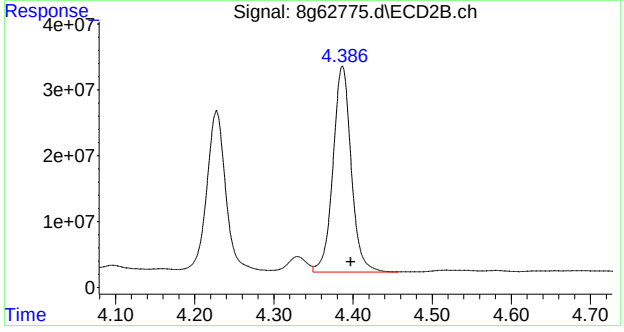
#3 hexachlorobenzene

R.T.: 4.227 min
Delta R.T.: -0.011 min
Response: 416662251
Conc: 2.23 PPB



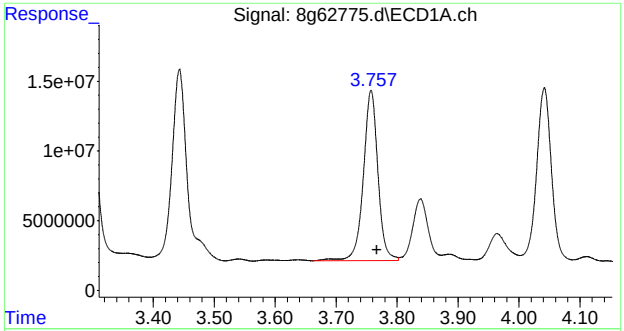
#4 alpha-BHC

R.T.: 3.443 min
Delta R.T.: -0.009 min
Response: 244023503
Conc: 2.60 PPB



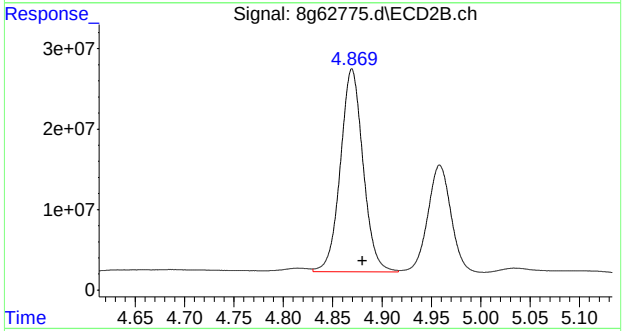
#4 alpha-BHC

R.T.: 4.386 min
Delta R.T.: -0.011 min
Response: 499585493
Conc: 2.29 PPB m



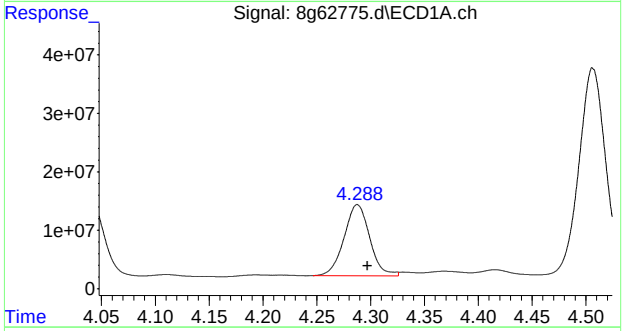
#5 gamma-BHC

R.T.: 3.757 min
Delta R.T.: -0.009 min
Response: 201887433
Conc: 2.29 PPB



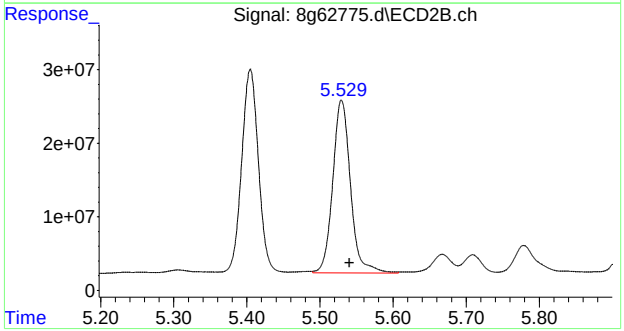
#5 gamma-BHC

R.T.: 4.869 min
Delta R.T.: -0.011 min
Response: 402734105
Conc: 2.09 PPB m



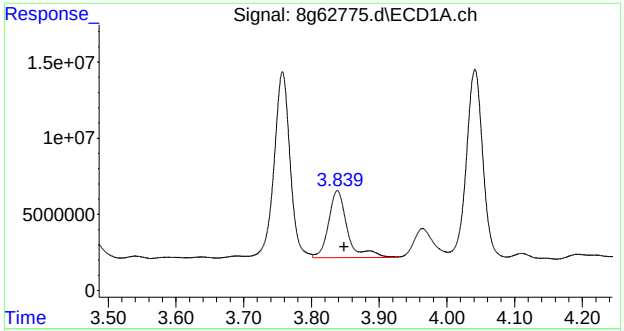
#6 Heptachlor

R.T.: 4.288 min
Delta R.T.: -0.009 min
Response: 202710991
Conc: 2.23 PPB m



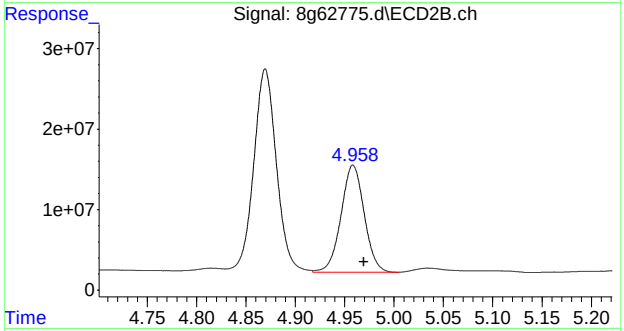
#6 Heptachlor

R.T.: 5.529 min
Delta R.T.: -0.011 min
Response: 397194920
Conc: 2.33 PPB m



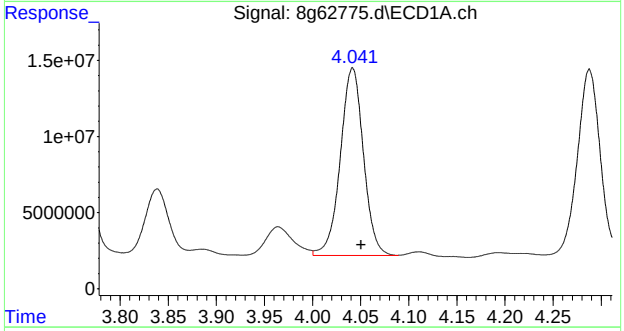
#7 beta-BHC

R.T.: 3.838 min
Delta R.T.: -0.010 min
Response: 84544267
Conc: 2.03 PPB



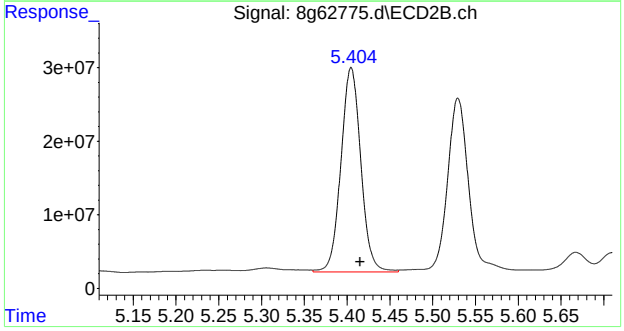
#7 beta-BHC

R.T.: 4.959 min
Delta R.T.: -0.011 min
Response: 217186282
Conc: 2.21 PPB



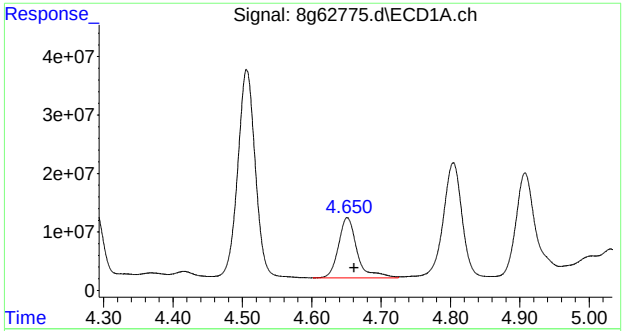
#8 delta-BHC

R.T.: 4.041 min
Delta R.T.: -0.009 min
Response: 206053613
Conc: 2.33 PPB



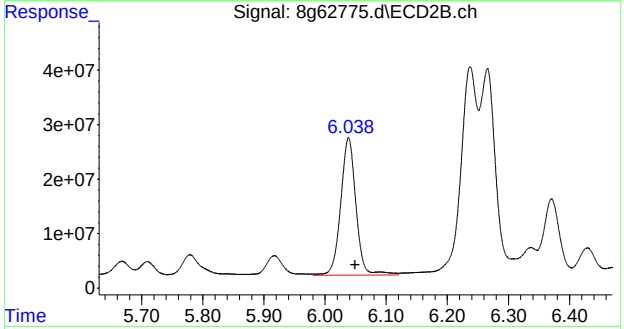
#8 delta-BHC

R.T.: 5.405 min
Delta R.T.: -0.010 min
Response: 449941799
Conc: 2.41 PPB



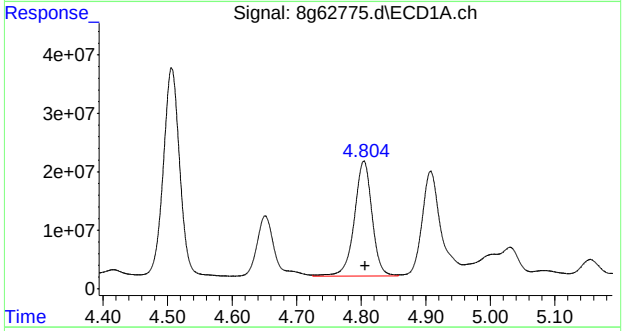
#9 Aldrin

R.T.: 4.651 min
Delta R.T.: -0.010 min
Response: 193335715
Conc: 2.41 PPB



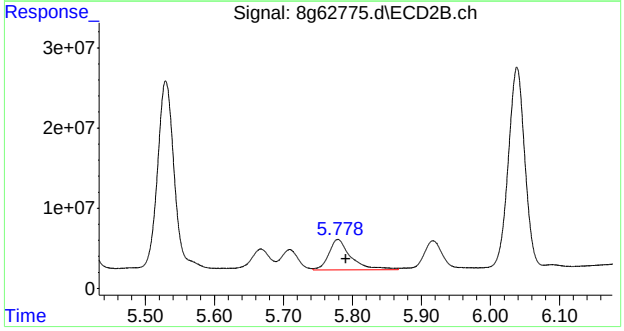
#9 Aldrin

R.T.: 6.038 min
Delta R.T.: -0.011 min
Response: 437906955
Conc: 2.48 PPB



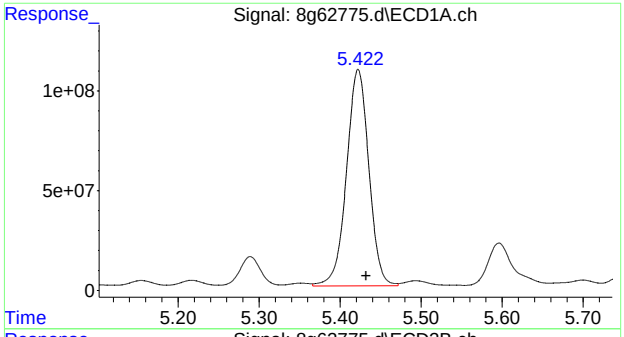
#10 alachlor

R.T.: 4.804 min
Delta R.T.: -0.002 min
Response: 375944310
Conc: 31.31 PPB



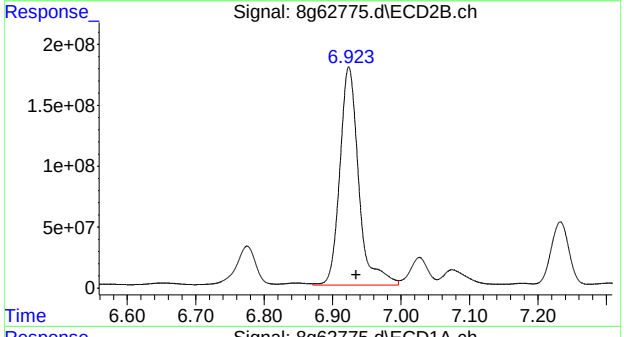
#10 alachlor

R.T.: 5.779 min
Delta R.T.: -0.011 min
Response: 84630104
Conc: 3.22 PPB



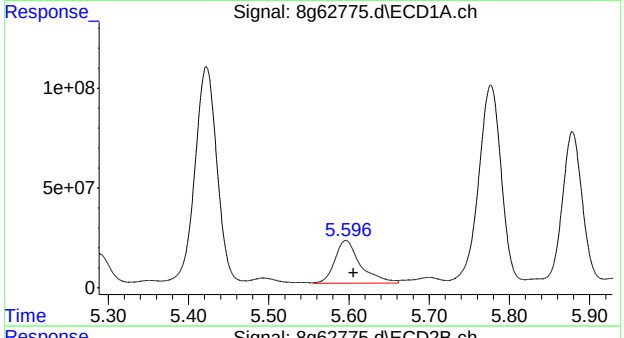
#11 Heptachlor Epoxide

R.T.: 5.422 min
Delta R.T.: -0.010 min
Response: 2082507508
Conc: 26.32 PPB m



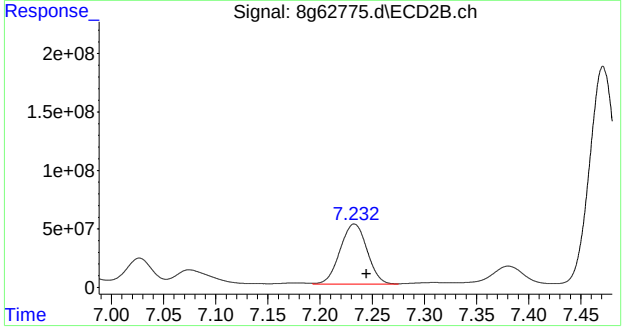
#11 Heptachlor Epoxide

R.T.: 6.924 min
Delta R.T.: -0.010 min
Response: 3423189463
Conc: 20.55 PPB



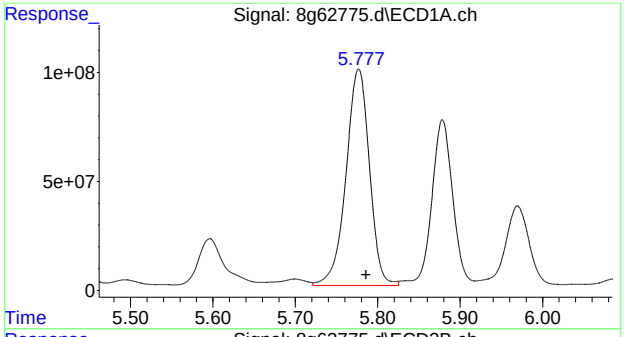
#12 gamma-Chlordane

R.T.: 5.596 min
Delta R.T.: -0.009 min
Response: 476906576
Conc: 5.66 PPB



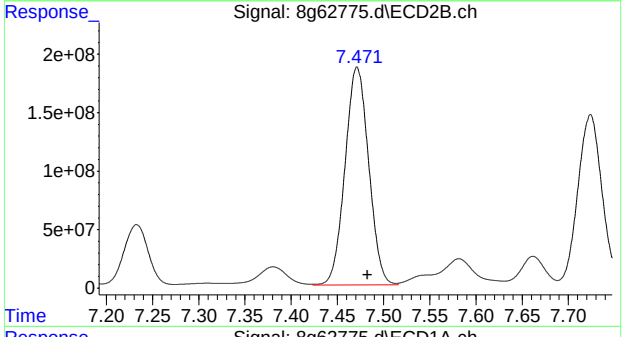
#12 gamma-Chlordane

R.T.: 7.232 min
Delta R.T.: -0.012 min
Response: 924888315
Conc: 5.62 PPB m



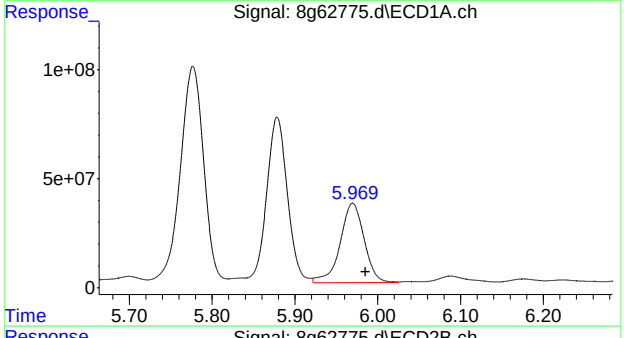
#13 alpha-Chlordane

R.T.: 5.777 min
Delta R.T.: -0.009 min
Response: 1959571582
Conc: 24.95 PPB



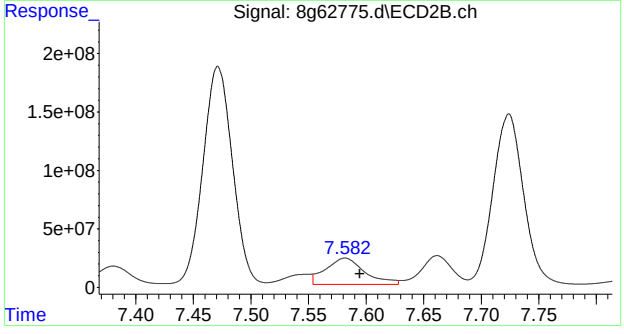
#13 alpha-Chlordane

R.T.: 7.472 min
Delta R.T.: -0.011 min
Response: 3319603861
Conc: 20.29 PPB



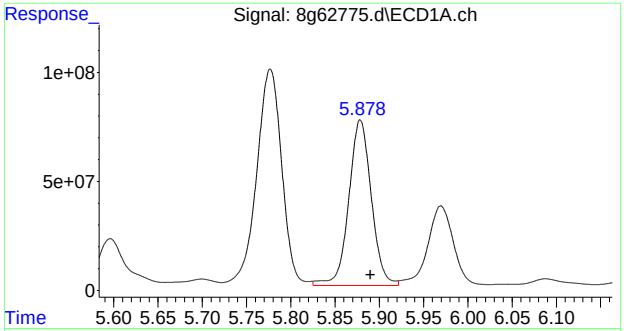
#14 Endosulfan I

R.T.: 5.970 min
Delta R.T.: -0.015 min
Response: 736287183
Conc: 10.04 PPB



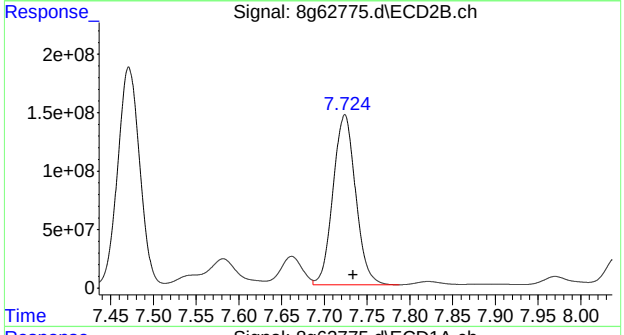
#14 Endosulfan I

R.T.: 7.582 min
Delta R.T.: -0.013 min
Response: 533237766
Conc: 3.56 PPB m



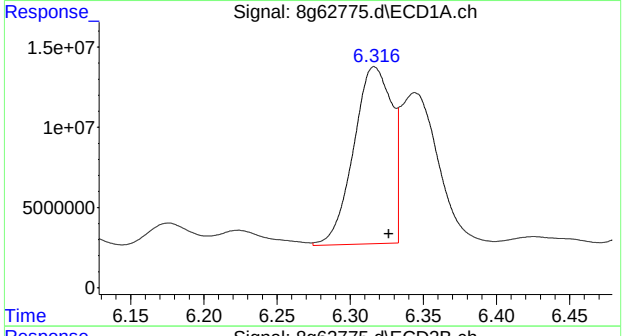
#15 4,4'-DDE

R.T.: 5.879 min
Delta R.T.: -0.011 min
Response: 1345833194
Conc: 16.74 PPB



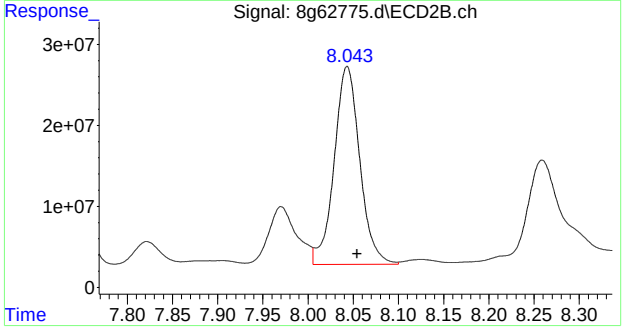
#15 4,4'-DDE

R.T.: 7.724 min
Delta R.T.: -0.010 min
Response: 2685114359
Conc: 16.93 PPB



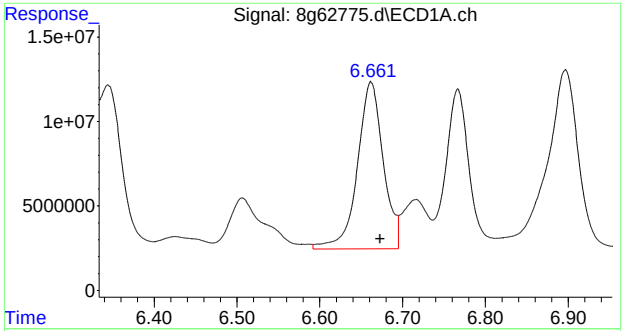
#16 Dieldrin

R.T.: 6.316 min
Delta R.T.: -0.010 min
Response: 204703221
Conc: 2.56 PPB m



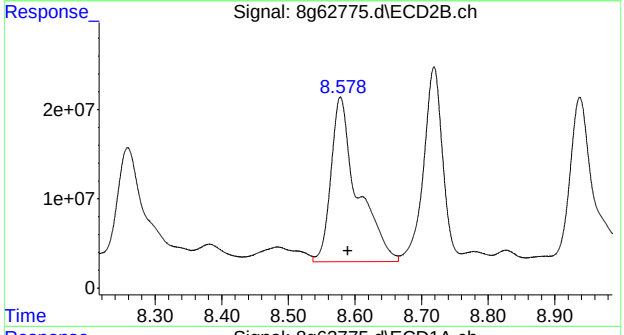
#16 Dieldrin

R.T.: 8.043 min
Delta R.T.: -0.011 min
Response: 483219832
Conc: 2.85 PPB



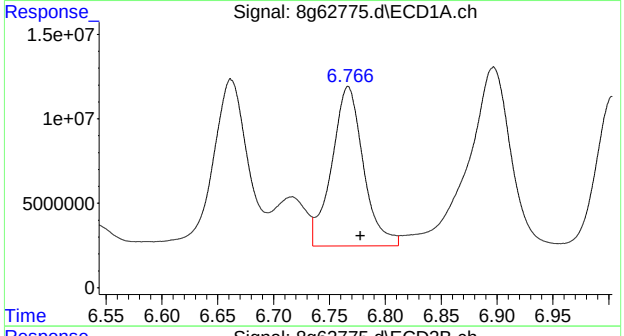
#17 Endrin

R.T.: 6.662 min
Delta R.T.: -0.011 min
Response: 214889740
Conc: 3.41 PPB



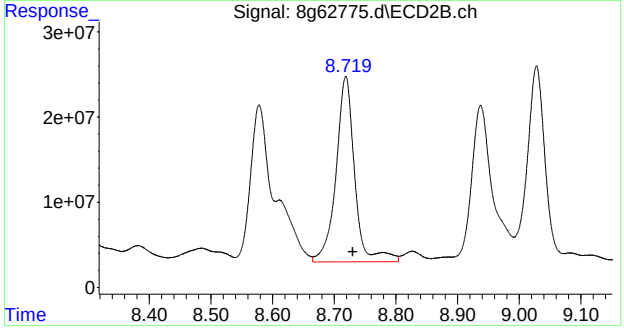
#17 Endrin

R.T.: 8.579 min
Delta R.T.: -0.011 min
Response: 510473684
Conc: 4.18 PPB



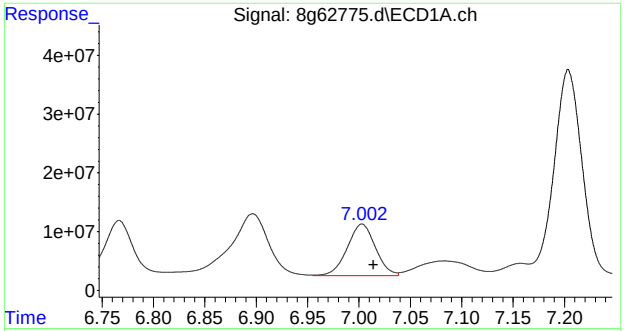
#18 4,4'-DDD

R.T.: 6.767 min
Delta R.T.: -0.011 min
Response: 185894058
Conc: 2.76 PPB



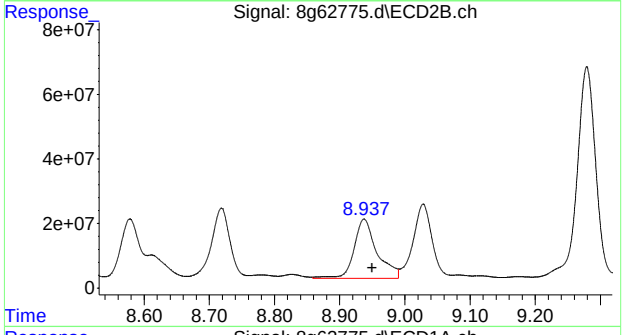
#18 4,4'-DDD

R.T.: 8.719 min
Delta R.T.: -0.012 min
Response: 459314267
Conc: 3.29 PPB



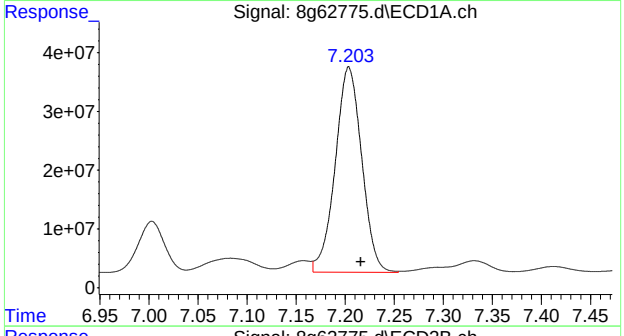
#19 Endosulfan II

R.T.: 7.003 min
Delta R.T.: -0.011 min
Response: 167751944
Conc: 2.39 PPB



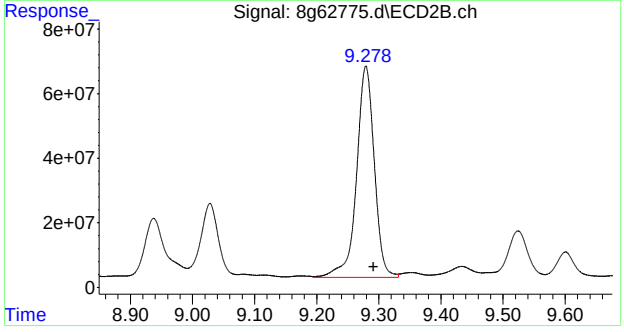
#19 Endosulfan II

R.T.: 8.938 min
Delta R.T.: -0.012 min
Response: 447121148
Conc: 3.15 PPB



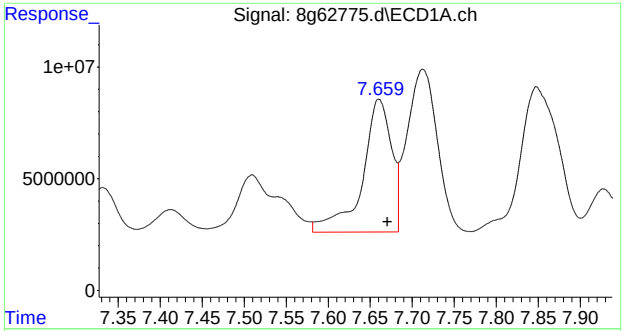
#20 4,4'-DDT

R.T.: 7.203 min
Delta R.T.: -0.013 min
Response: 656465098
Conc: 9.66 PPB m



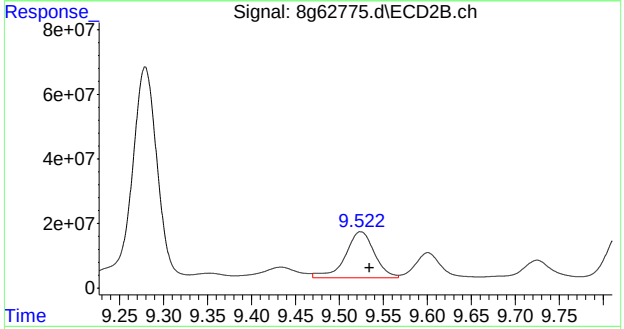
#20 4,4'-DDT

R.T.: 9.279 min
Delta R.T.: -0.012 min
Response: 1302064779
Conc: 11.29 PPB



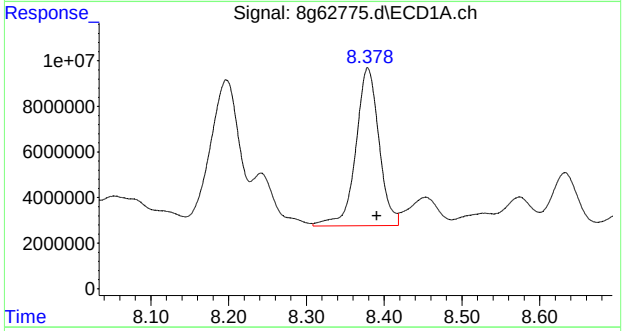
#21 Endrin Aldehyde

R.T.: 7.661 min
Delta R.T.: -0.010 min
Response: 143537977
Conc: 2.48 PPB



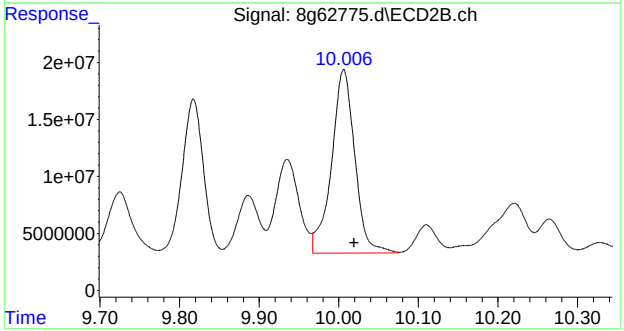
#21 Endrin Aldehyde

R.T.: 9.524 min
Delta R.T.: -0.010 min
Response: 331372452
Conc: 2.98 PPB



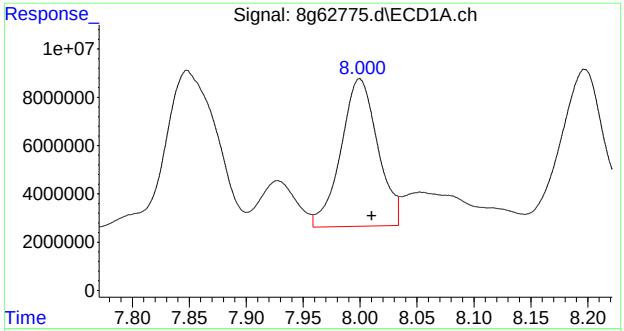
#22 Endosulfan Sulfate

R.T.: 8.379 min
Delta R.T.: -0.011 min
Response: 143718675
Conc: 2.20 PPB



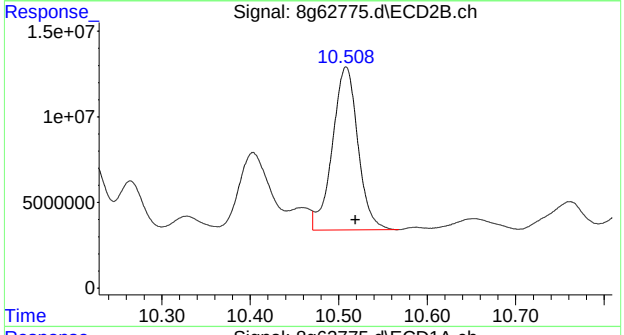
#22 Endosulfan Sulfate

R.T.: 10.006 min
Delta R.T.: -0.013 min
Response: 327236554
Conc: 2.55 PPB



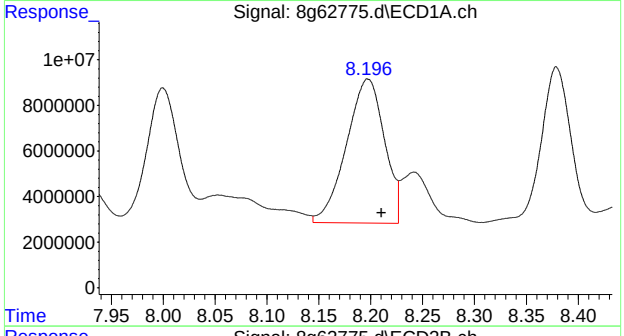
#23 Methoxychlor

R.T.: 8.000 min
Delta R.T.: -0.011 min
Response: 137412246
Conc: 3.48 PPB m



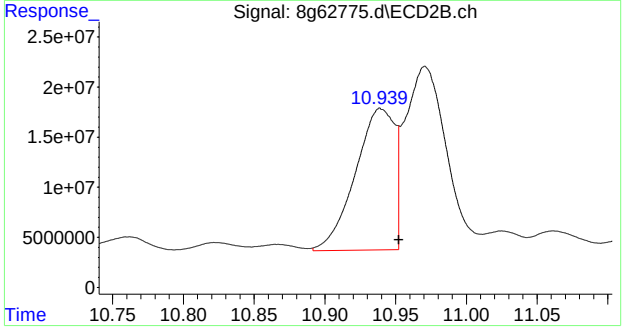
#23 Methoxychlor

R.T.: 10.508 min
Delta R.T.: -0.011 min
Response: 190986555
Conc: 3.33 PPB



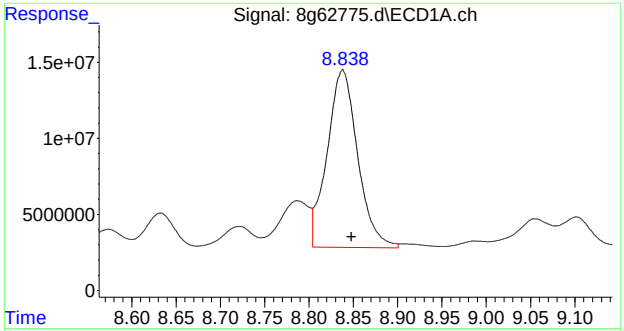
#24 Mirex

R.T.: 8.195 min
Delta R.T.: -0.015 min
Response: 160950959
Conc: 2.69 PPB m



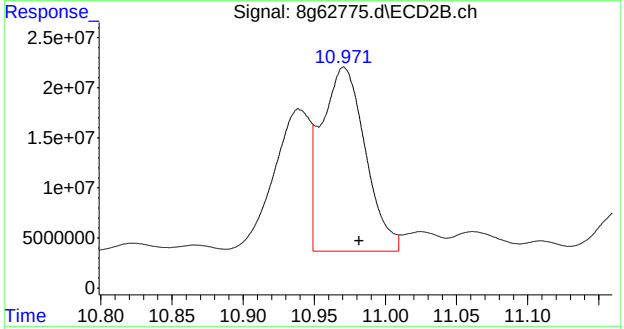
#24 Mirex

R.T.: 10.939 min
Delta R.T.: -0.014 min
Response: 277205231
Conc: 3.37 PPB m



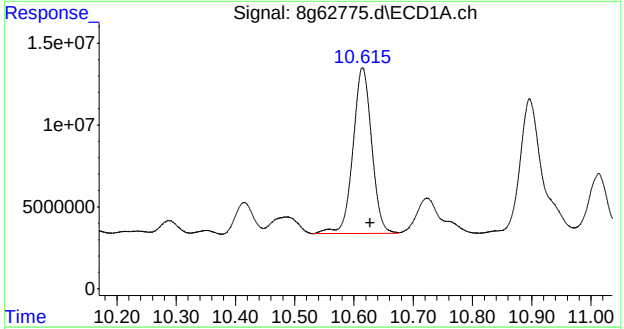
#25 Endrin Ketone

R.T.: 8.838 min
Delta R.T.: -0.010 min
Response: 279502637
Conc: 3.38 PPB m



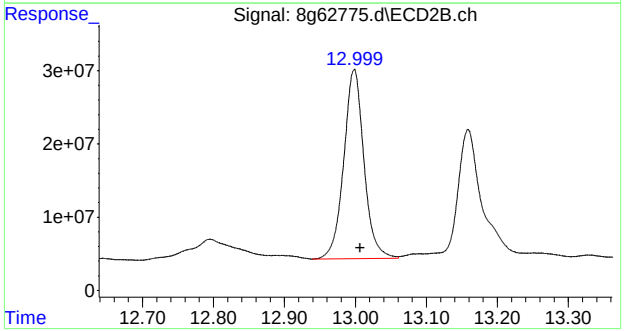
#25 Endrin Ketone

R.T.: 10.970 min
Delta R.T.: -0.011 min
Response: 390254482
Conc: 2.23 PPB m



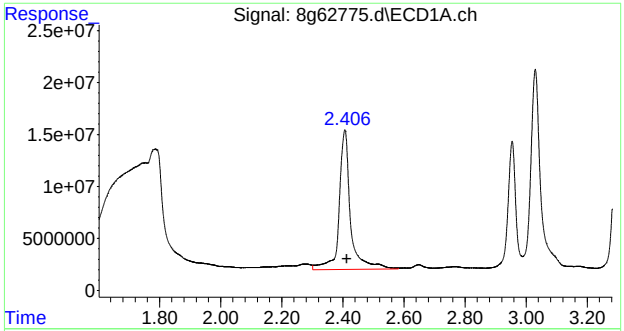
#26 Decachlorobiphenyl

R.T.: 10.615 min
Delta R.T.: -0.012 min
Response: 222446269
Conc: 3.44 PPB



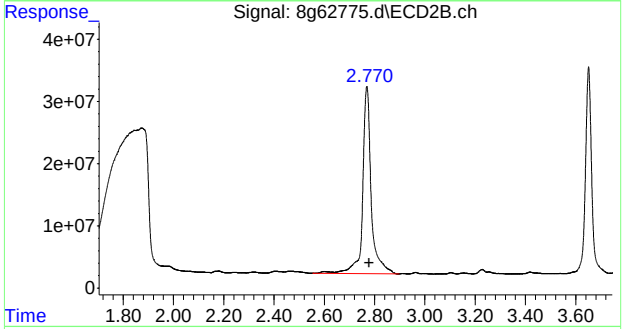
#26 Decachlorobiphenyl

R.T.: 12.998 min
Delta R.T.: -0.008 min
Response: 511315591
Conc: 5.15 PPB



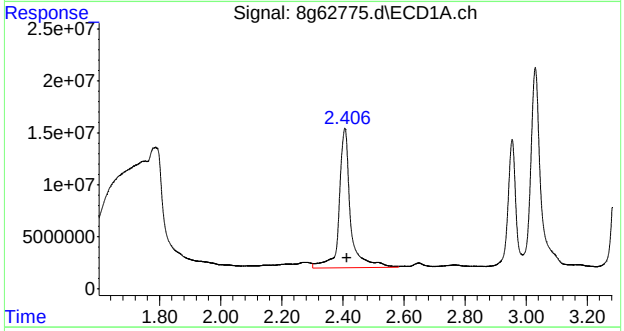
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.406 min
Delta R.T.: -0.008 min
Response: 348744873
Conc: 5.00 PPB



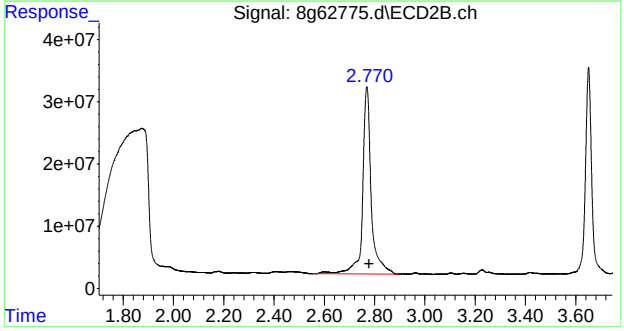
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.769 min
Delta R.T.: -0.009 min
Response: 716412005
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.406 min
Delta R.T.: -0.008 min
Response: 348744873
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.769 min
Delta R.T.: -0.009 min
Response: 716412005
Conc: 5.00 PPB

Manual Integration Approval Summary

Sample Number: OP59833-MSD
Lab FileID: 8G62775.D
Injection Time: 12/03/24 05:31
Method: SW846 8081B
Analyst approved: 12/11/24 16:57 Gwendolyn Burns
Supervisor approved: 12/11/24 17:29 Gwendolyn Burns

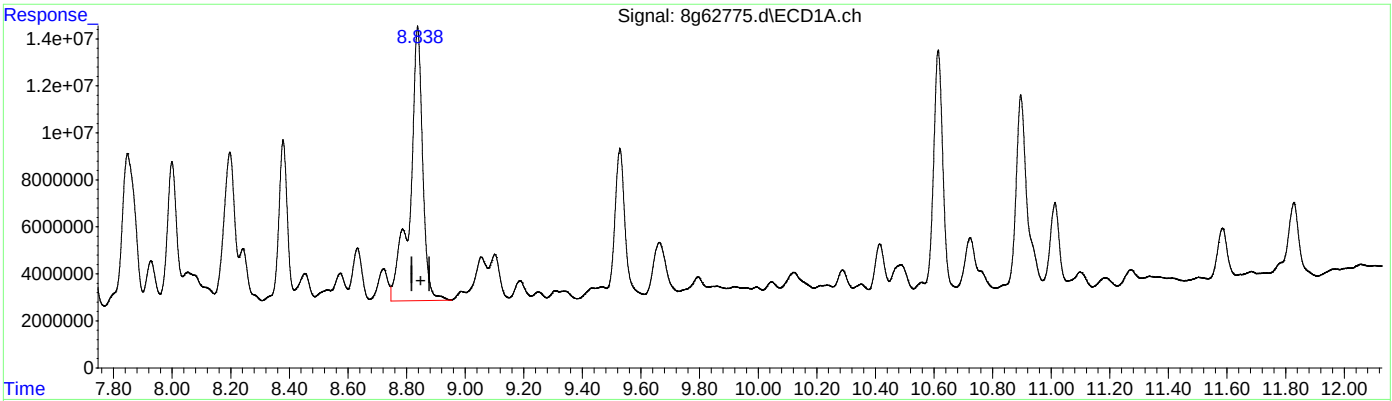
Parameter	CAS	Sig#	R.T. (min.)	Reason
Heptachlor	76-44-8	1	4.29	Poorly defined baseline
alpha-BHC	319-84-6	2	4.39	Poorly defined baseline
gamma-BHC (Lindane)	58-89-9	2	4.87	Poorly defined baseline
Heptachlor epoxide	1024-57-3	1	5.42	Poorly defined baseline
Heptachlor	76-44-8	2	5.53	Poorly defined baseline
Dieldrin	60-57-1	1	6.32	Poorly defined baseline
4,4'-DDT	50-29-3	1	7.20	Poorly defined baseline
gamma-Chlordane	5103-74-2	2	7.23	Poorly defined baseline
Endosulfan-I	959-98-8	2	7.58	Poorly defined baseline
Methoxychlor	72-43-5	1	8.00	Poorly defined baseline
Mirex	2385-85-5	1	8.20	Poorly defined baseline
Endrin ketone	53494-70-5	1	8.84	Poorly defined baseline
Mirex	2385-85-5	2	10.94	Poorly defined baseline
Endrin ketone	53494-70-5	2	10.97	Poorly defined baseline

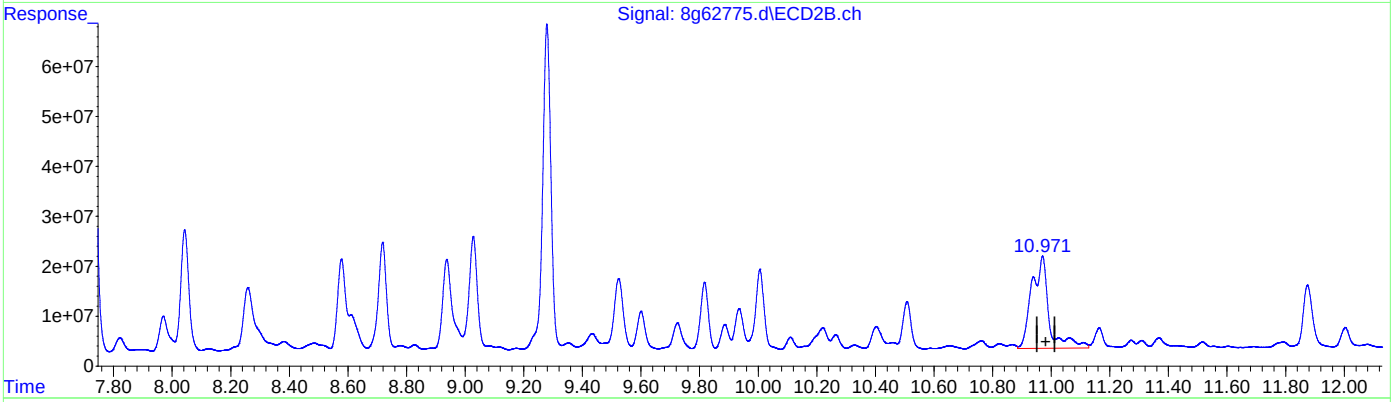
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62775.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:31 am
Operator : christp
Sample : op59833-msd m
Misc : op59833,g8g2700,5.2,,,10,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(25) Endrin Ketone (B)

8.838min 4.256 PPB

response 352199885

(25) Endrin Ketone #2 (B)

10.971min 4.316 PPB

response 755346043

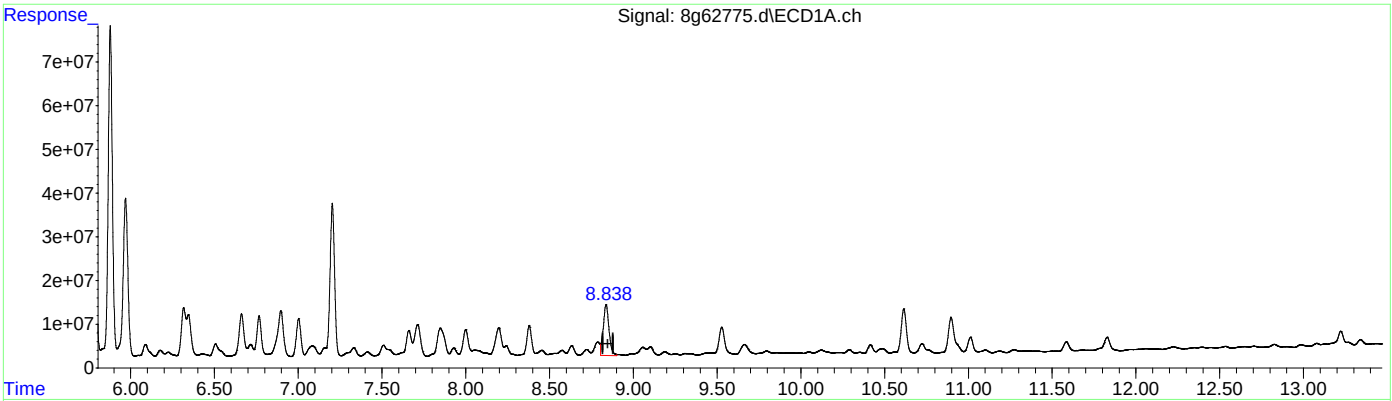
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:39:53 2024

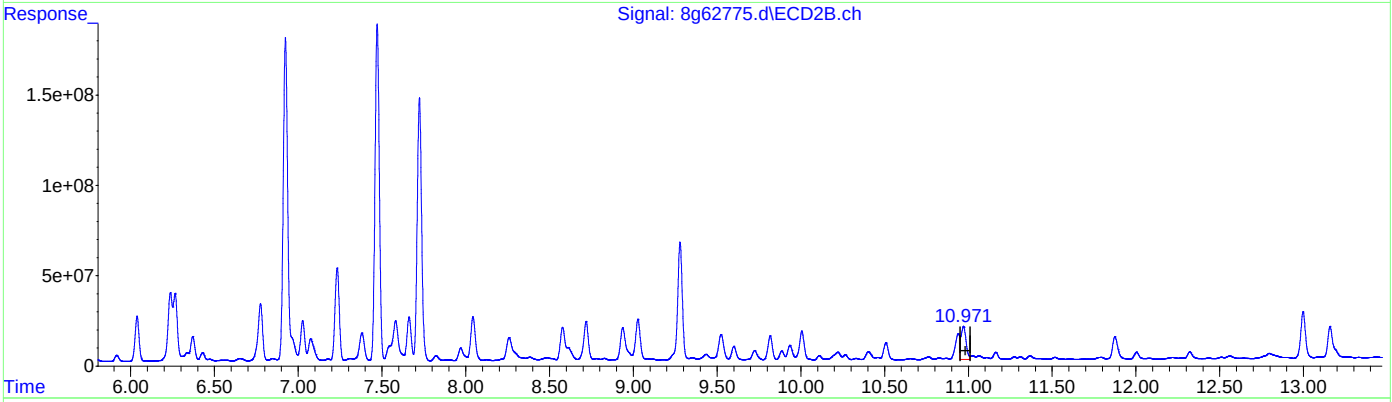
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62775.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:31 am
Operator : christp
Sample : op59833-msd m
Misc : op59833,g8g2700,5.2,,,10,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(25) Endrin Ketone (B)

8.838min 3.377 PPB m

response 279502637

(25) Endrin Ketone #2 (B)

10.970min 2.230 PPB m

response 390254482

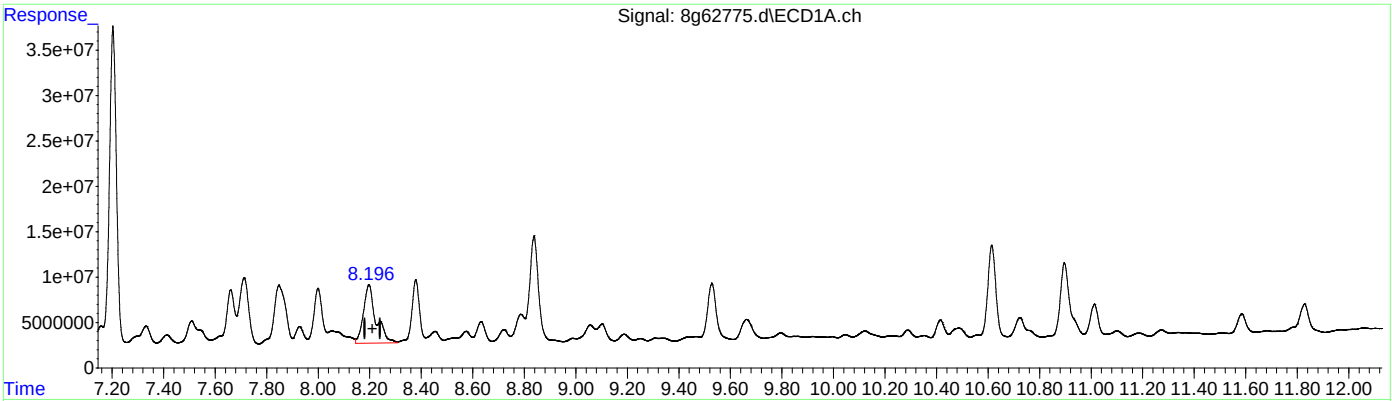
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:40:09 2024

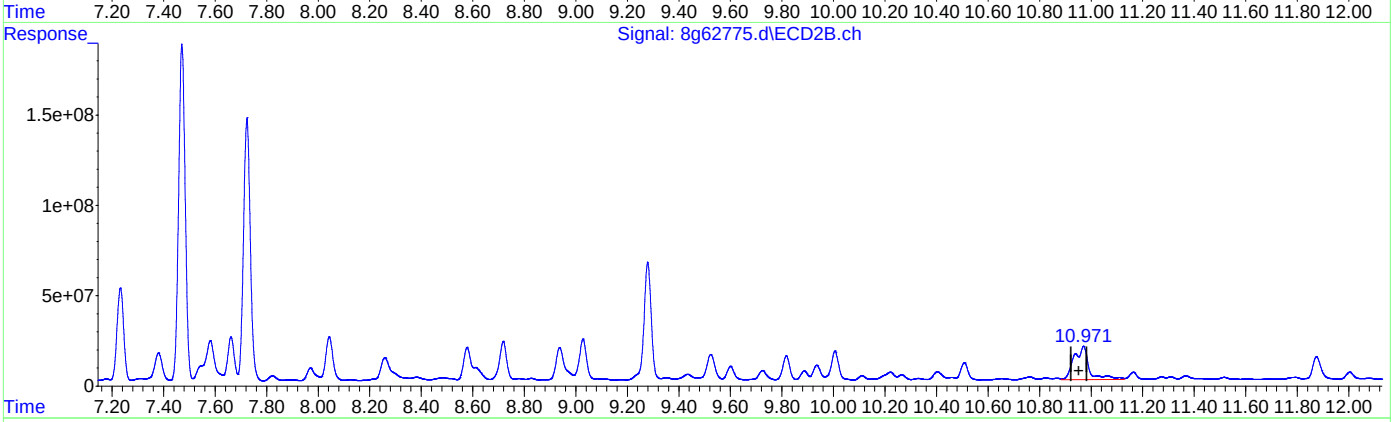
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62775.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:31 am
Operator : christp
Sample : op59833-msd m
Misc : op59833,g8g2700,5.2,,,10,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(24) Mirex

8.197min 3.615 PPB

response 216601806

(24) Mirex #2

10.971min 9.195 PPB

response 755346043

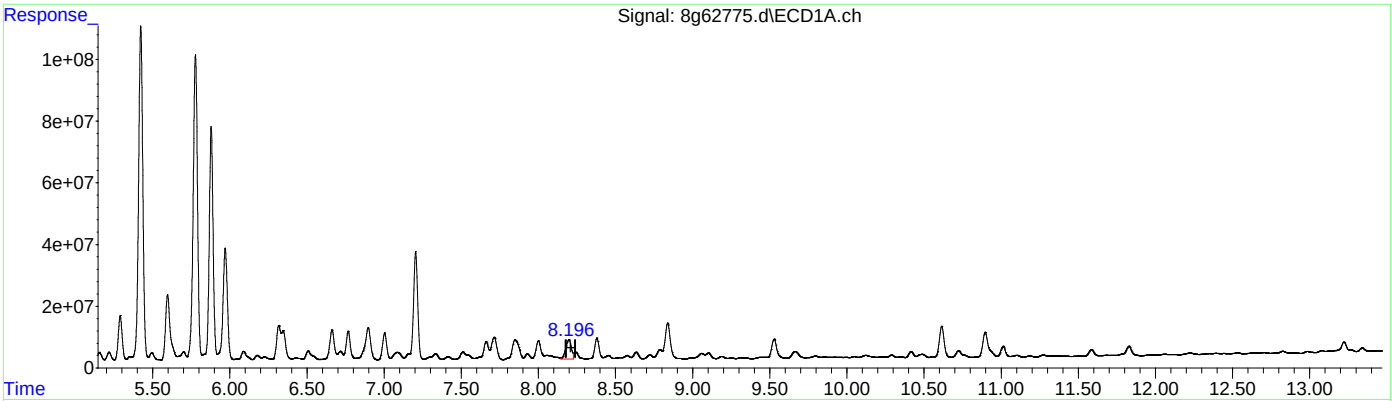
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:40:11 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62775.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:31 am
Operator : christp
Sample : op59833-msd m
Misc : op59833,g8g2700,5.2,,,10,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(24) Mirex

8.195min 2.686 PPB m

response 160950959

(24) Mirex #2

10.939min 3.374 PPB m

response 277205231

(+) = Expected Retention Time

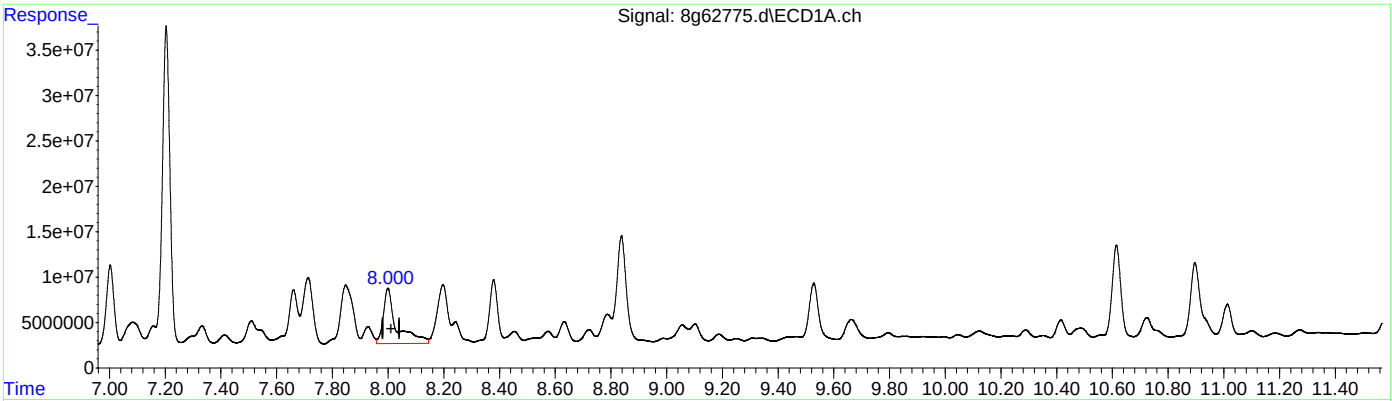
8PSTLVI2596a.M Tue Dec 03 12:40:26 2024 Page: 1

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62775.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:31 am
Operator : christp
Sample : op59833-msd m
Misc : op59833,g8g2700,5.2,,,10,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(23) Methoxychlor (A)

8.000min 5.094 PPB

response 201199102

(23) Methoxychlor #2 (A)

10.508min 3.332 PPB

response 190986555

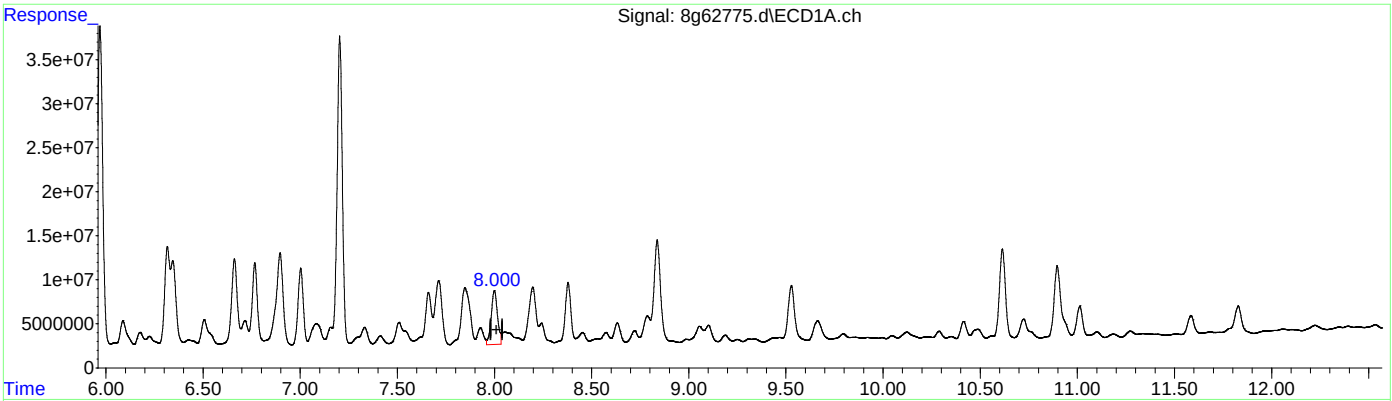
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:40:33 2024

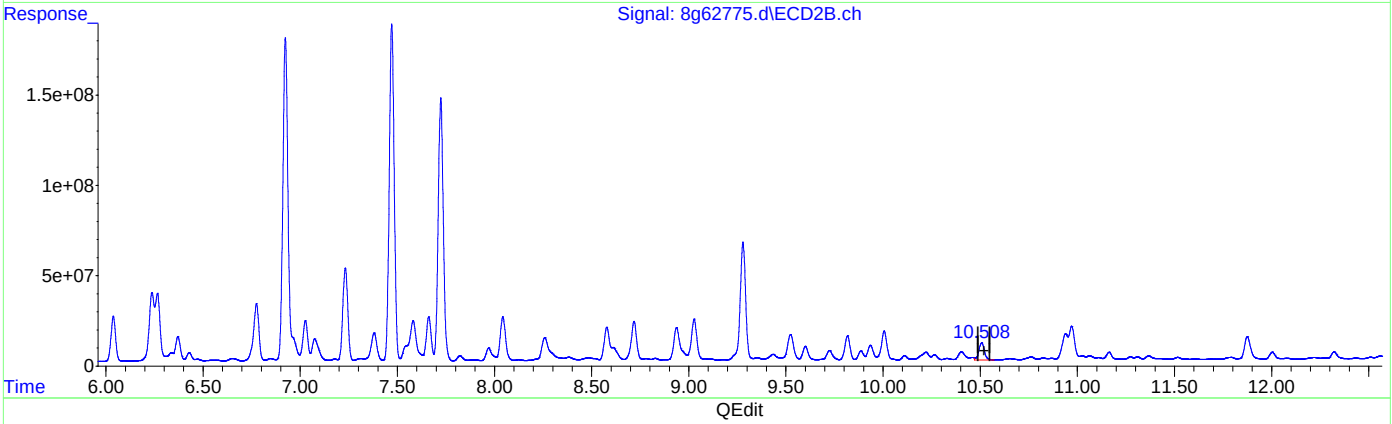
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62775.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:31 am
Operator : christp
Sample : op59833-msd m
Misc : op59833,g8g2700,5.2,,,10,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(23) Methoxychlor (A)

8.000min 3.479 PPB m

response 137412246

(23) Methoxychlor #2 (A)

10.508min 3.332 PPB

response 190986555

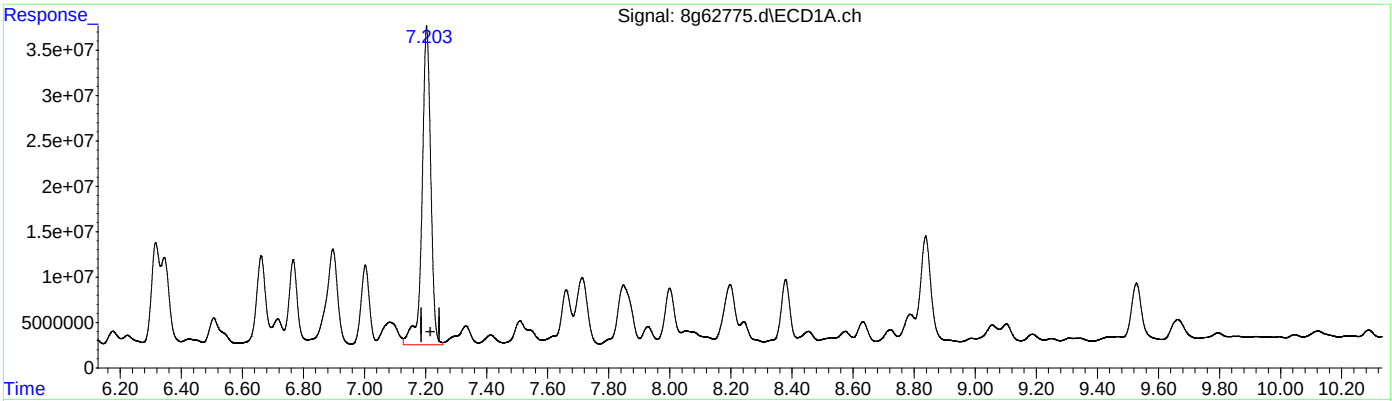
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:40:42 2024

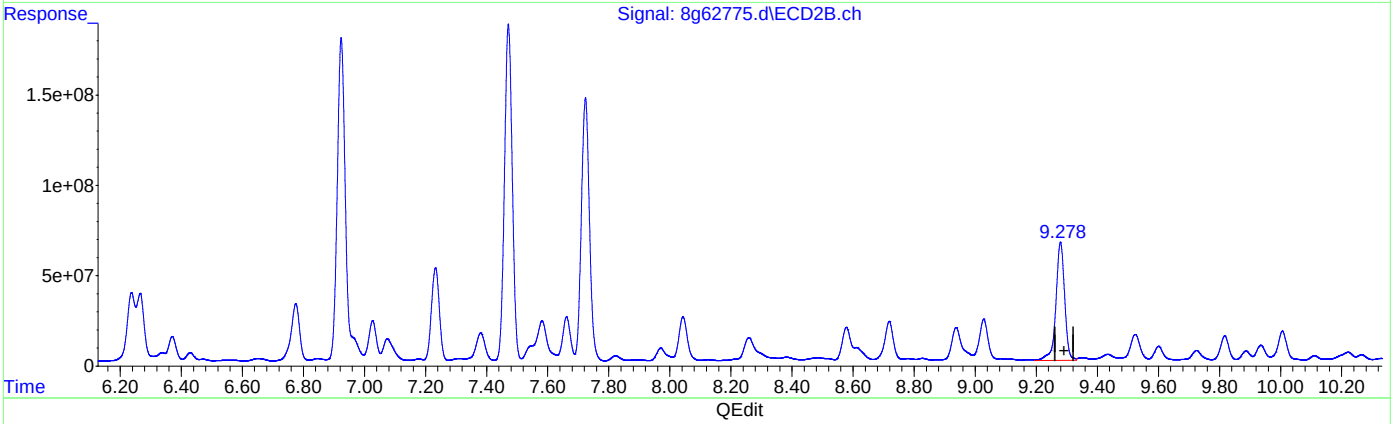
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62775.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:31 am
Operator : christp
Sample : op59833-msd m
Misc : op59833,g8g2700,5.2,,,10,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(20) 4,4'-DDT (MA)

7.204min 10.273 PPB

response 697966481

(20) 4,4'-DDT #2 (MA)

9.279min 11.286 PPB

response 1302064779

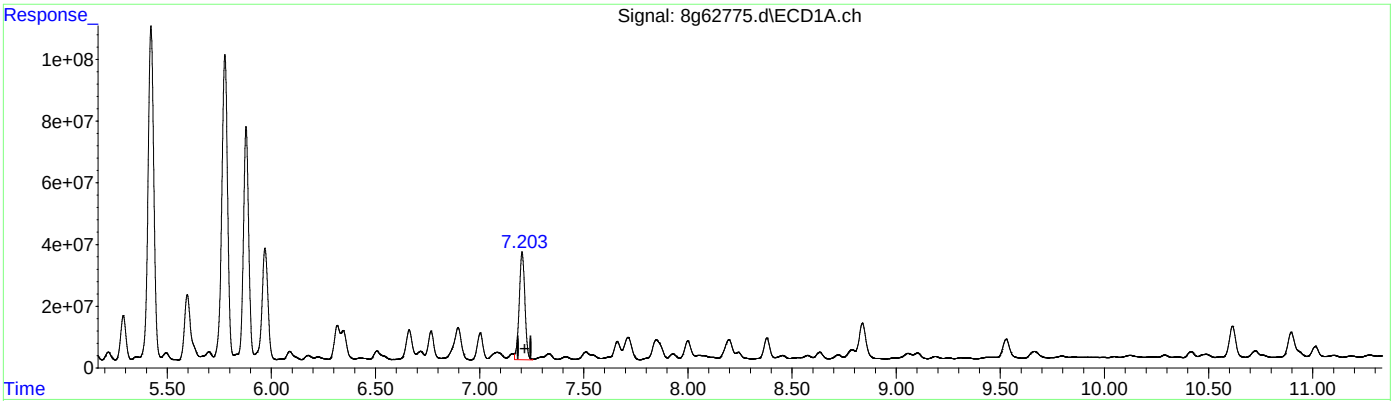
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:40:48 2024

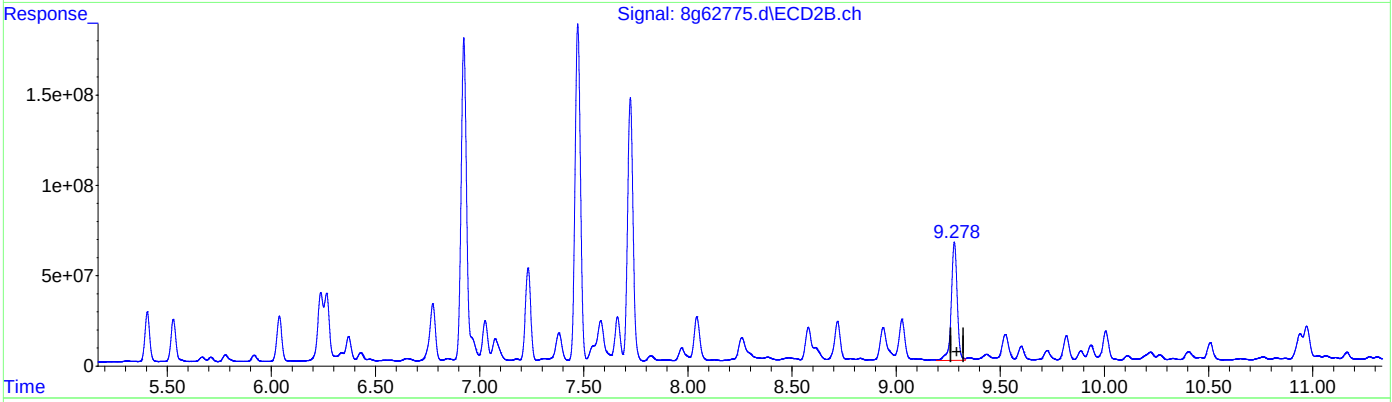
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62775.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:31 am
Operator : christp
Sample : op59833-msd m
Misc : op59833,g8g2700,5.2,,,10,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(20) 4,4'-DDT (MA)

7.203min 9.662 PPB m

response 656465098

(20) 4,4'-DDT #2 (MA)

9.279min 11.286 PPB

response 1302064779

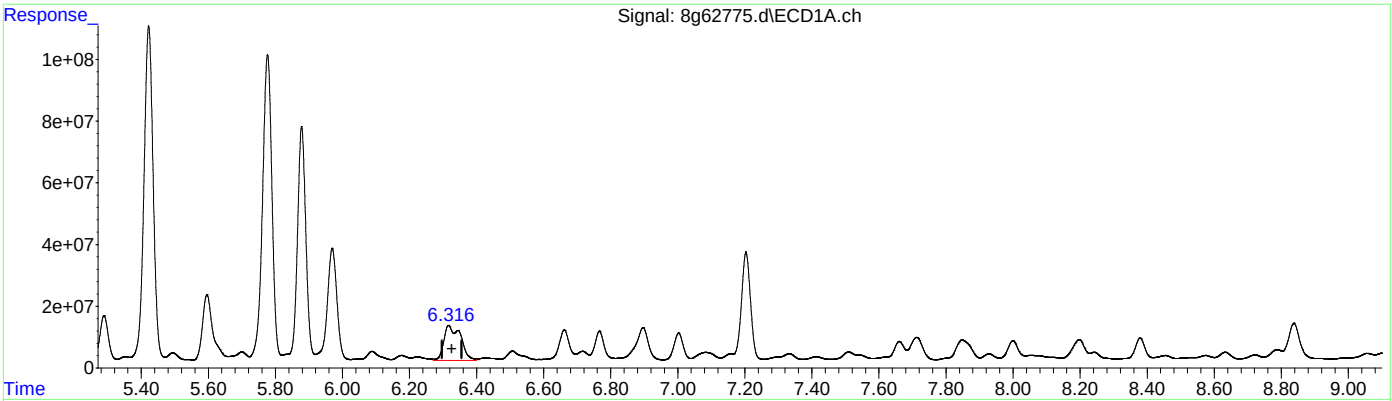
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:40:52 2024

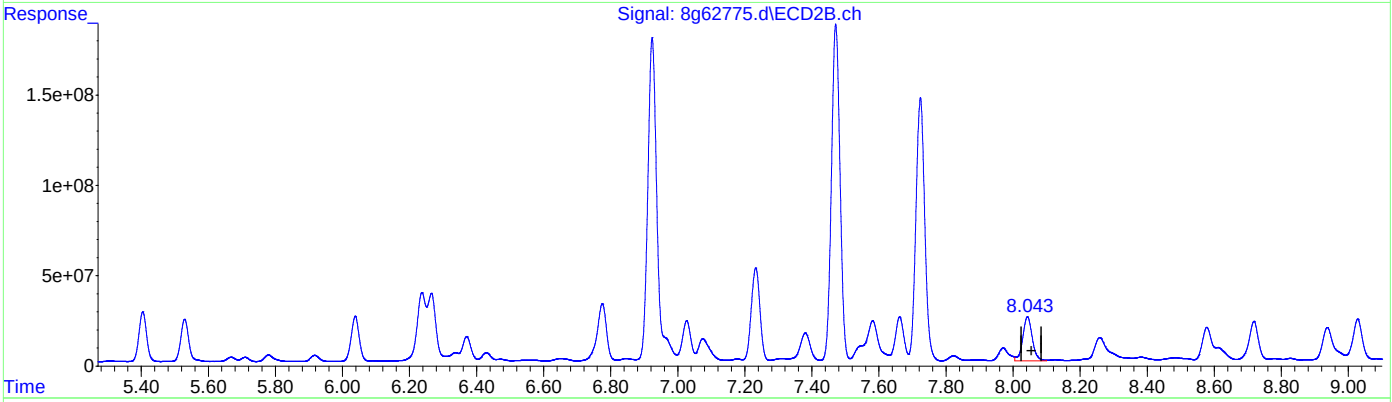
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62775.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:31 am
Operator : christp
Sample : op59833-msd m
Misc : op59833,g8g2700,5.2,,,10,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(16) Dieldrin (MA)

6.318min 4.941 PPB

response 394869119

(16) Dieldrin #2 (MA)

8.043min 2.850 PPB

response 483219832

(+) = Expected Retention Time

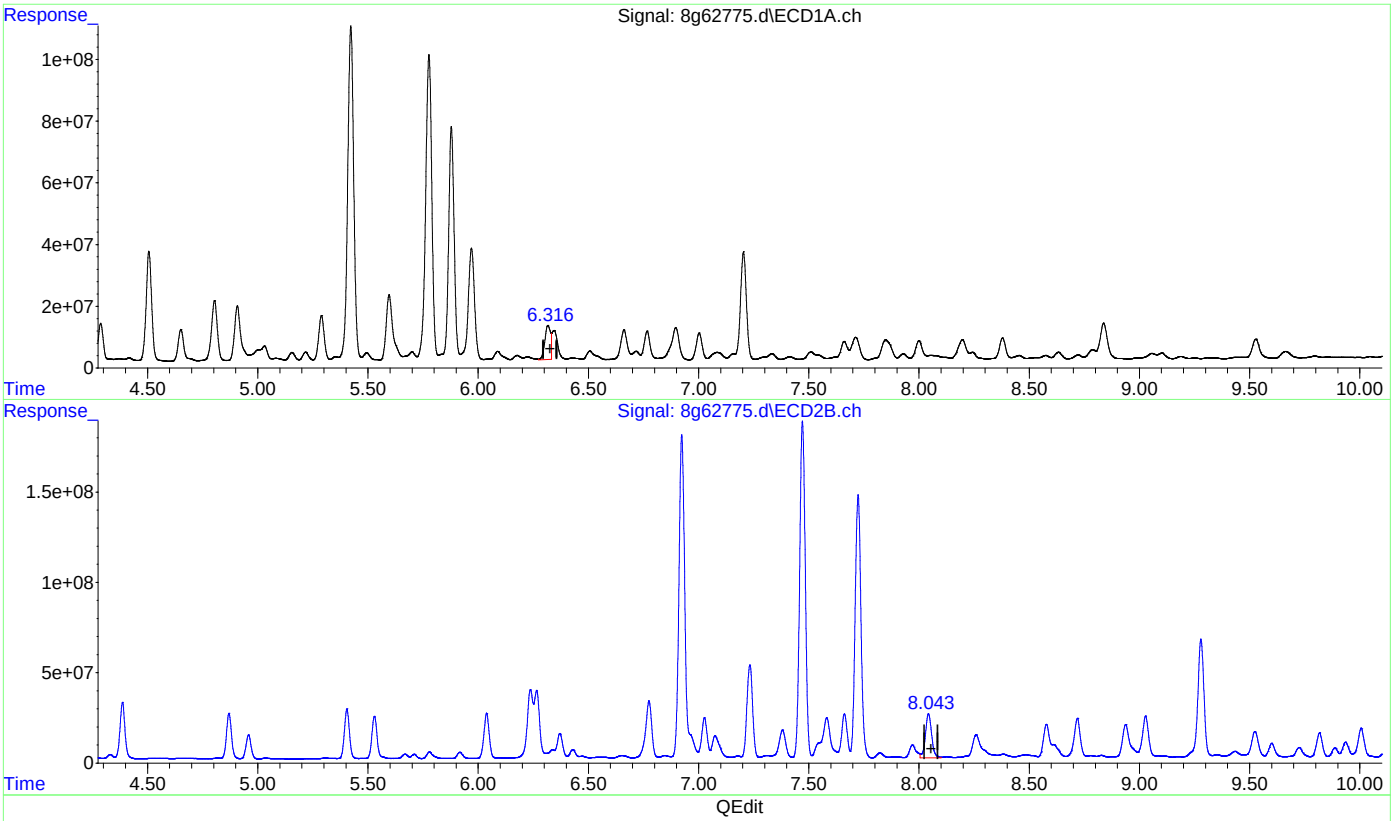
8PSTLVI2596a.M Tue Dec 03 12:41:00 2024 Page: 1

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62775.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:31 am
Operator : christp
Sample : op59833-msd m
Misc : op59833,g8g2700,5.2,,,10,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(16) Dieldrin (MA)

6.316min 2.561 PPB m

response 204703221

(16) Dieldrin #2 (MA)

8.043min 2.850 PPB

response 483219832

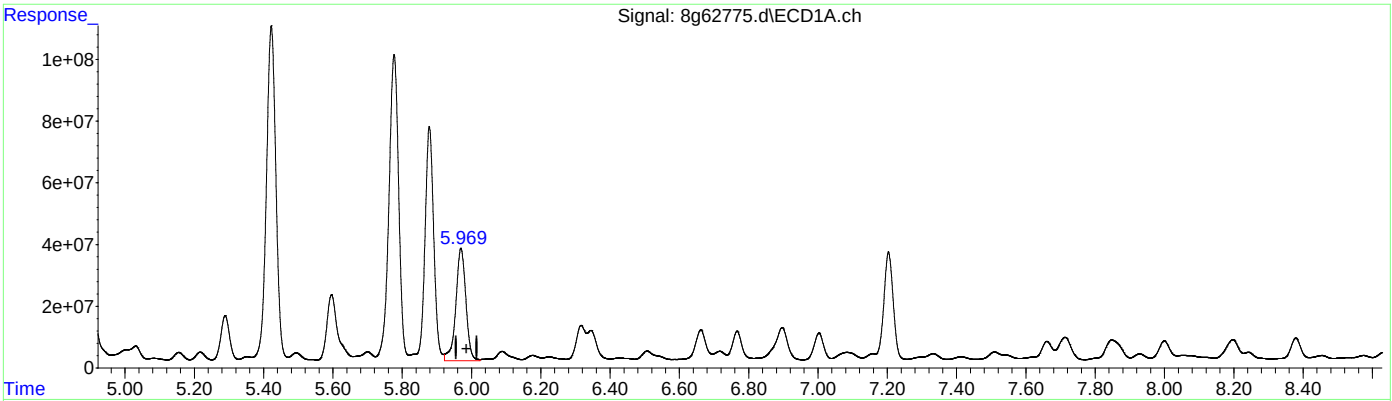
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:41:04 2024

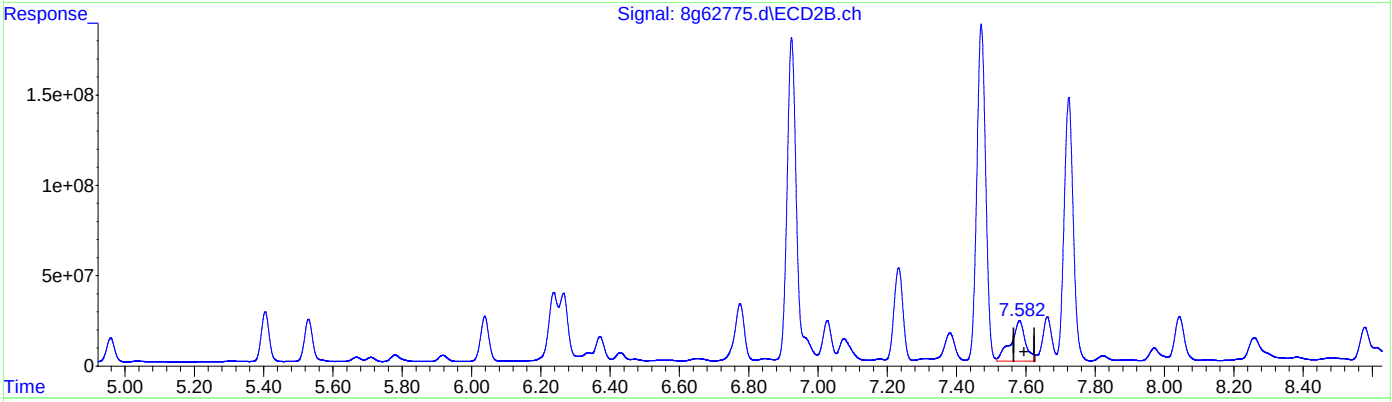
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62775.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:31 am
Operator : christp
Sample : op59833-msd m
Misc : op59833,g8g2700,5.2,,,10,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(14) Endosulfan I (A)

5.970min 10.036 PPB

response 736287183

(14) Endosulfan I #2 (A)

7.581min 4.395 PPB

response 659088750

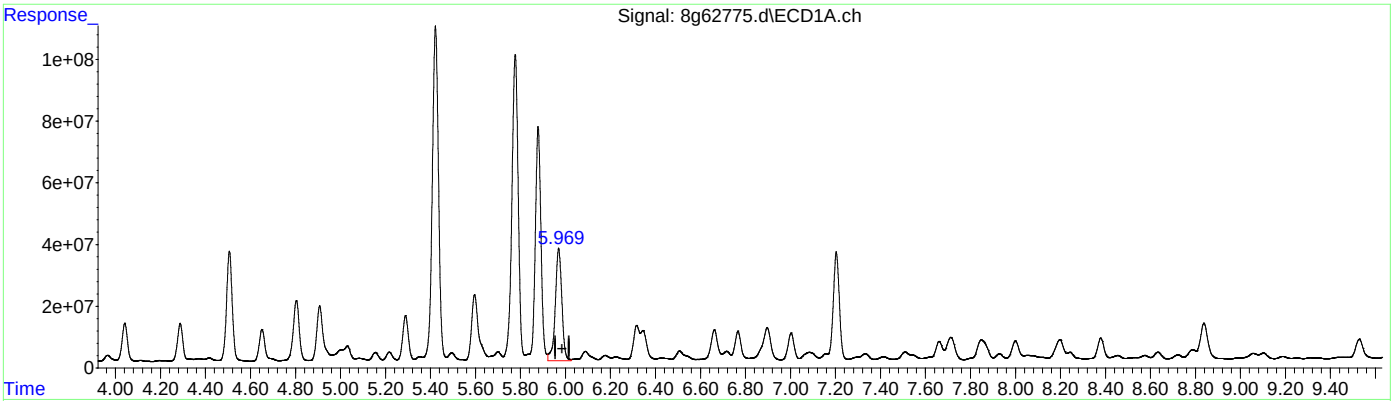
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:41:08 2024

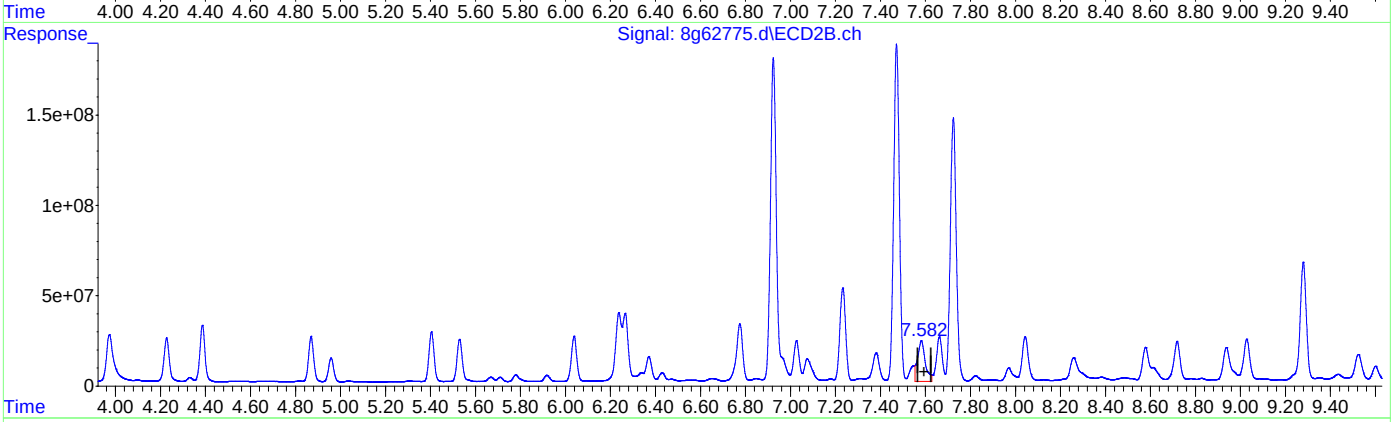
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62775.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:31 am
Operator : christp
Sample : op59833-msd m
Misc : op59833,g8g2700,5.2,,,10,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(14) Endosulfan I (A)

5.970min 10.036 PPB

response 736287183

(14) Endosulfan I #2 (A)

7.582min 3.556 PPB m

response 533237766

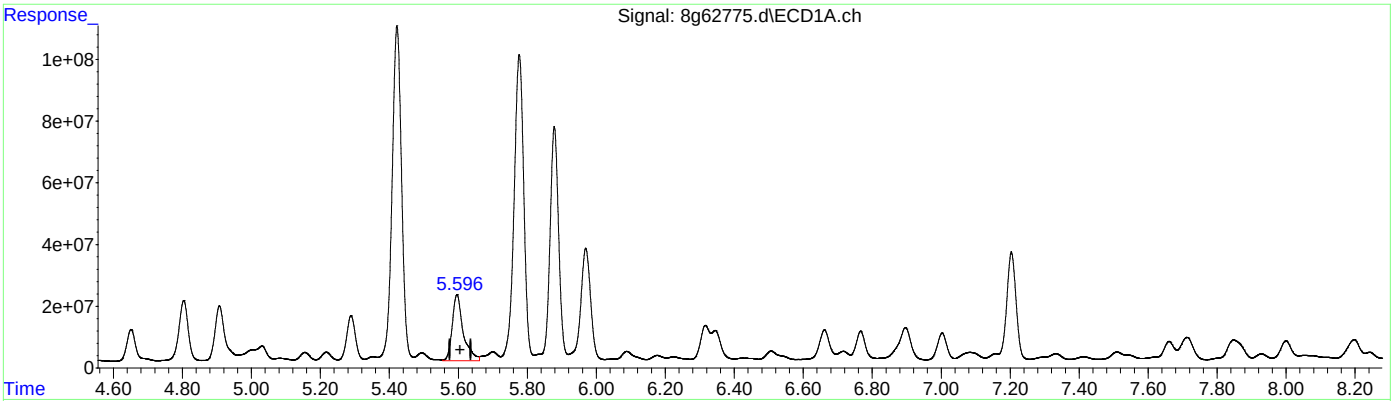
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:41:13 2024

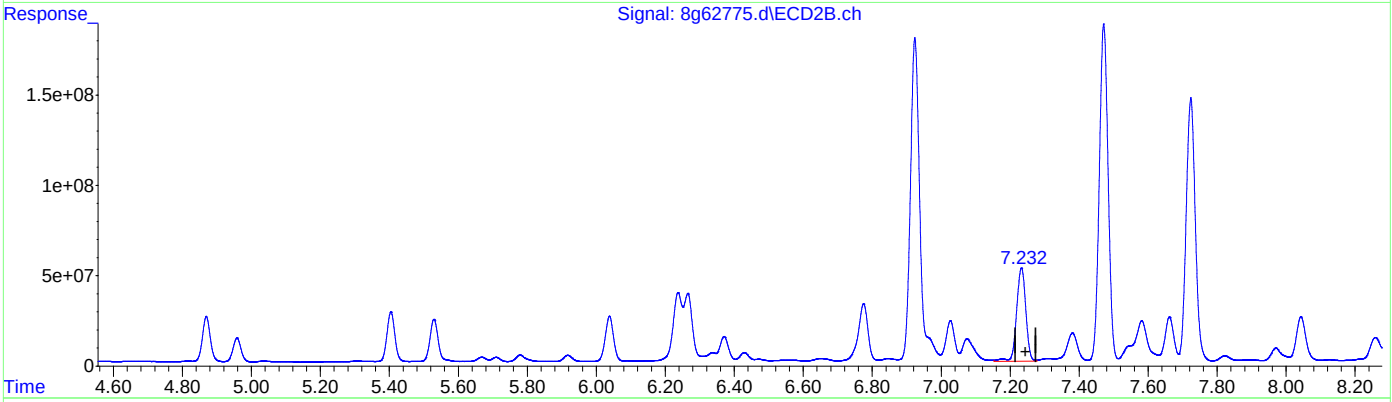
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62775.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:31 am
Operator : christp
Sample : op59833-msd m
Misc : op59833,g8g2700,5.2,,,10,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(12) gamma-Chlordane (B)

5.596min 5.656 PPB

response 476906576

(12) gamma-Chlordane #2 (B)

7.233min 5.832 PPB

response 960557075

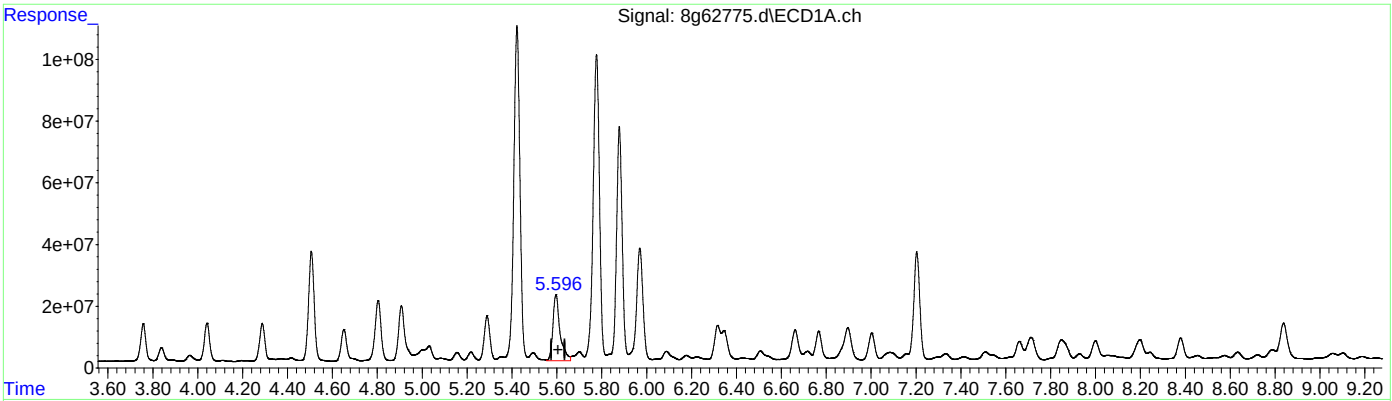
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:41:18 2024

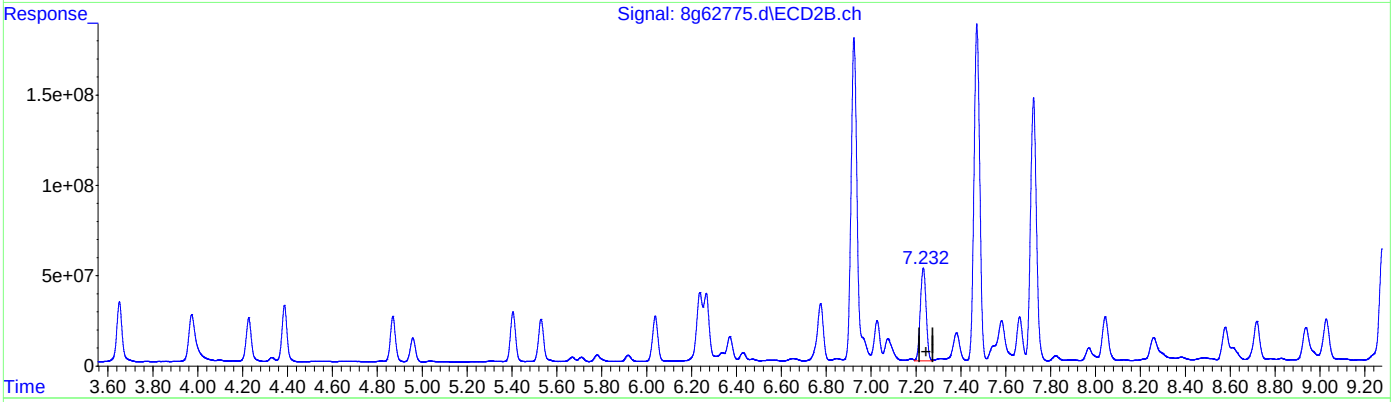
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62775.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:31 am
Operator : christp
Sample : op59833-msd m
Misc : op59833,g8g2700,5.2,,,10,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(12) gamma-Chlordane (B)

5.596min 5.656 PPB

response 476906576

(12) gamma-Chlordane #2 (B)

7.232min 5.615 PPB m

response 924888315

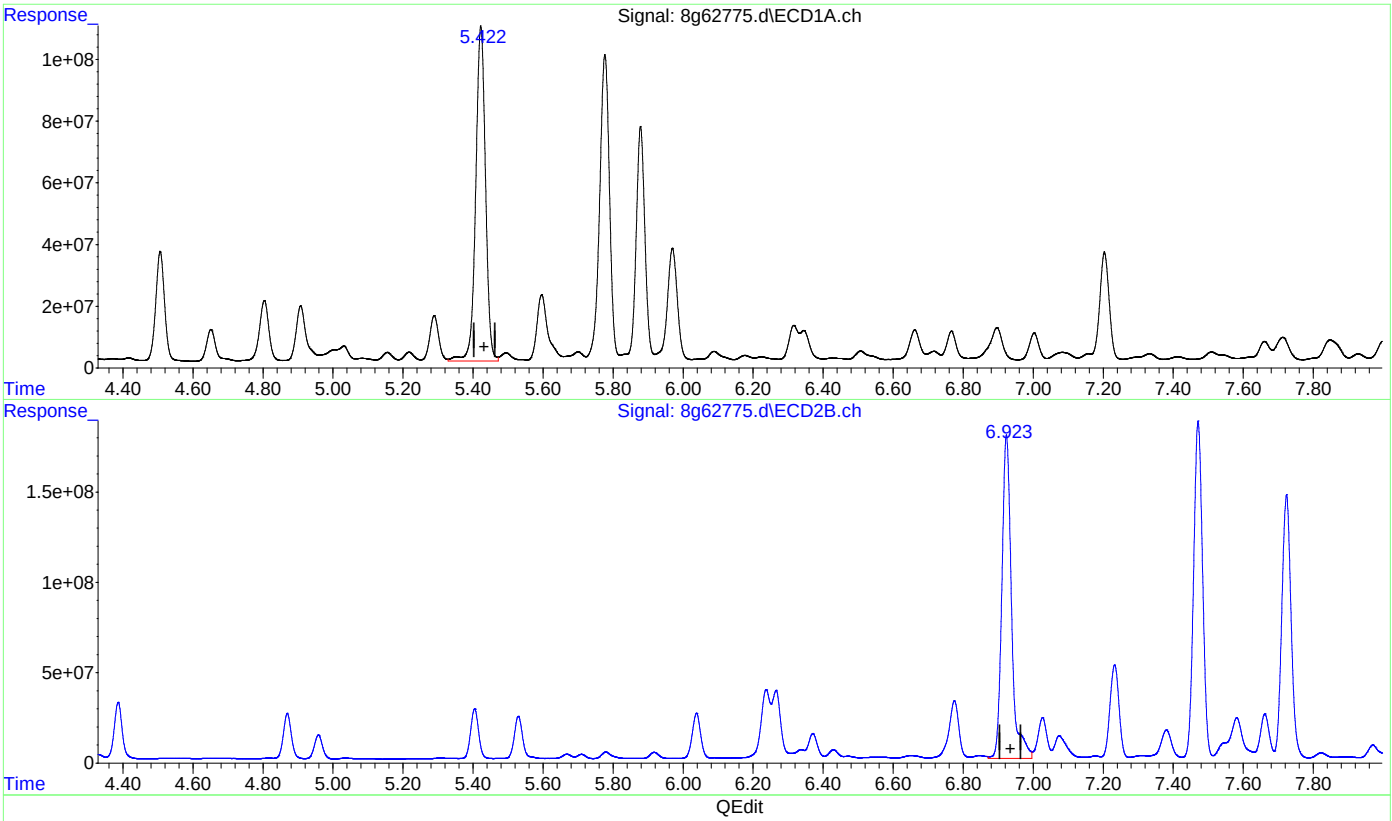
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:41:23 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62775.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:31 am
Operator : christp
Sample : op59833-msd m
Misc : op59833,g8g2700,5.2,,,10,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(11) Heptachlor Epoxide (B)

5.422min 26.635 PPB

response 2107143213

(11) Heptachlor Epoxide #2 (B)

6.924min 20.546 PPB

response 3423189463

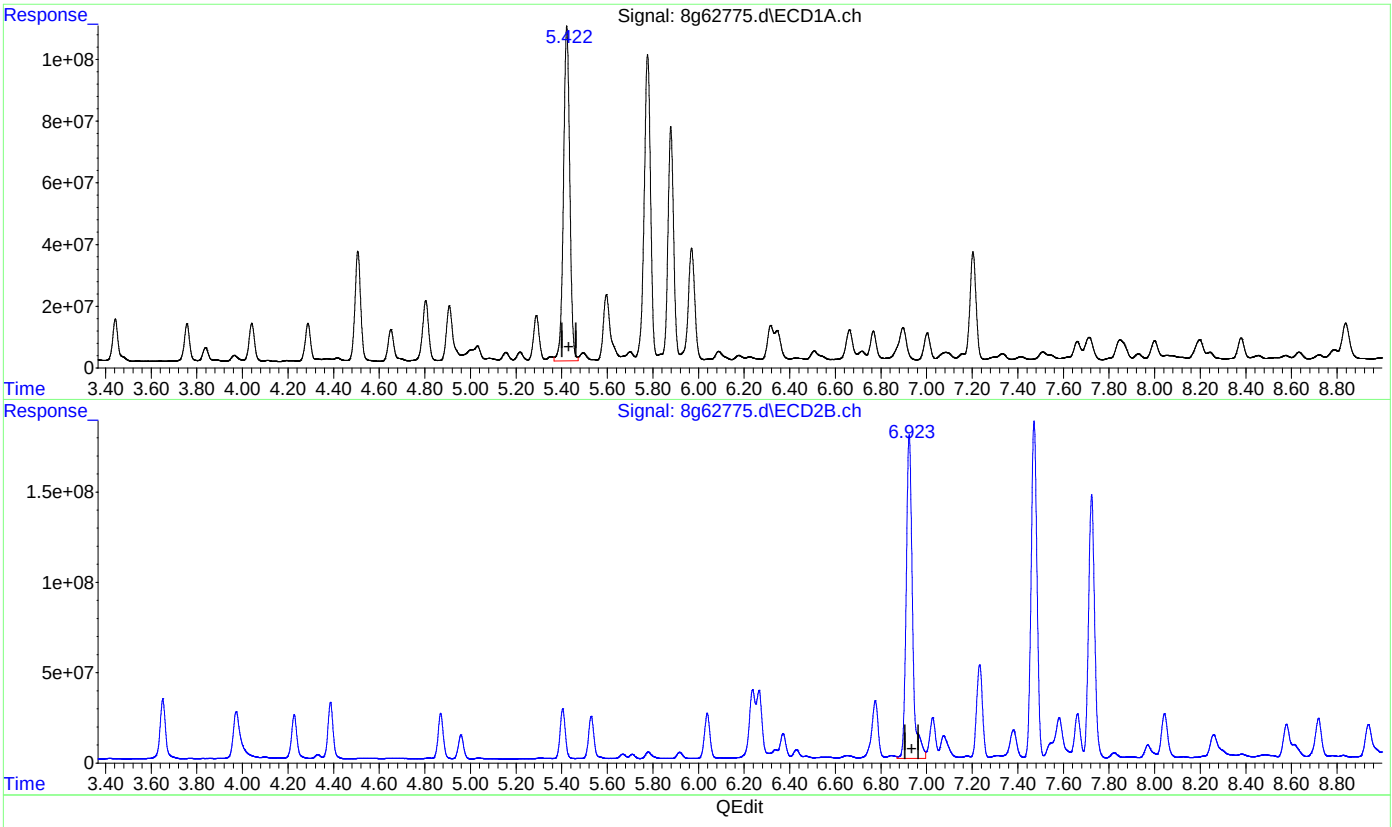
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:41:25 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62775.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:31 am
Operator : christp
Sample : op59833-msd m
Misc : op59833,g8g2700,5.2,,,10,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(11) Heptachlor Epoxide (B)

5.422min 26.324 PPB m

response 2082507508

(11) Heptachlor Epoxide #2 (B)

6.924min 20.546 PPB

response 3423189463

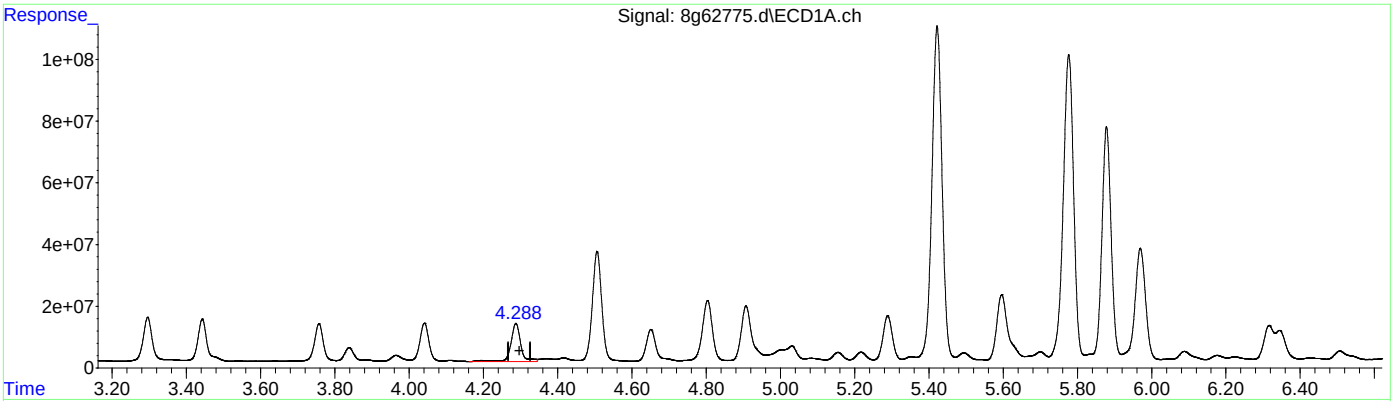
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:41:30 2024

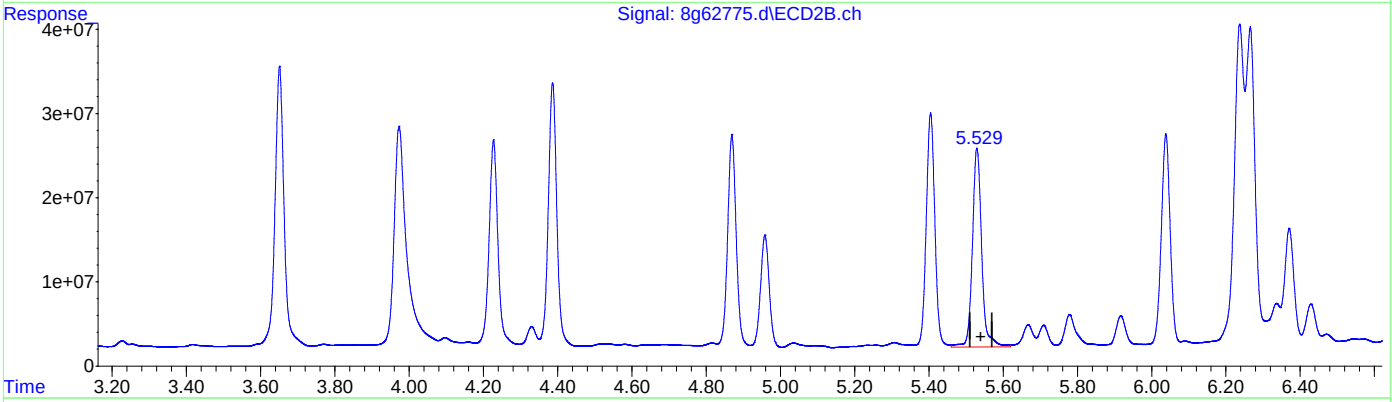
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62775.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:31 am
Operator : christp
Sample : op59833-msd m
Misc : op59833,g8g2700,5.2,,,10,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(6) Heptachlor (MA)

4.288min 2.502 PPB

response 226947472

(6) Heptachlor #2 (MA)

5.530min 2.414 PPB

response 411195667

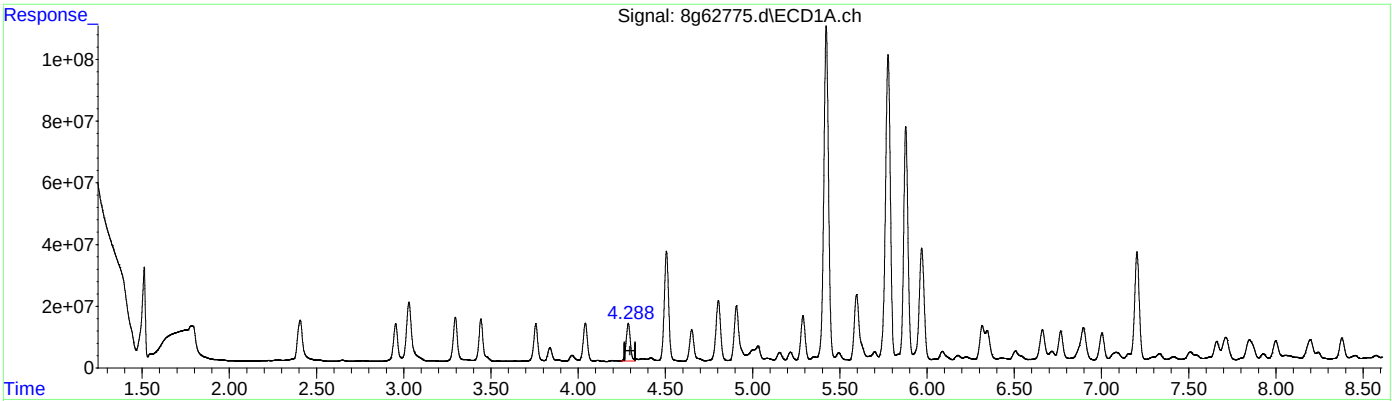
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:42:10 2024

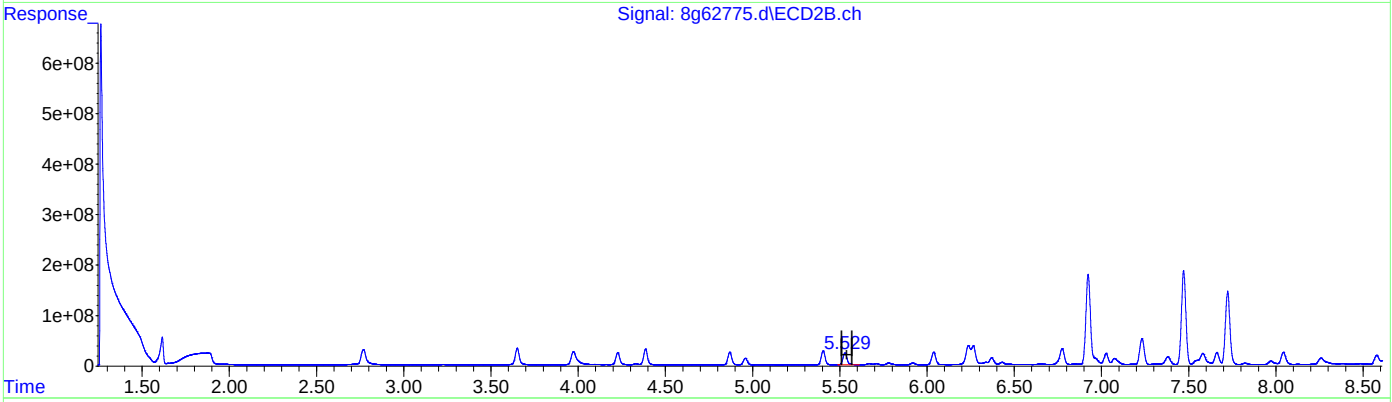
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62775.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:31 am
Operator : christp
Sample : op59833-msd m
Misc : op59833,g8g2700,5.2,,,10,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(6) Heptachlor (MA)

4.288min 2.235 PPB m

response 202710991

(6) Heptachlor #2 (MA)

5.529min 2.332 PPB m

response 397194920

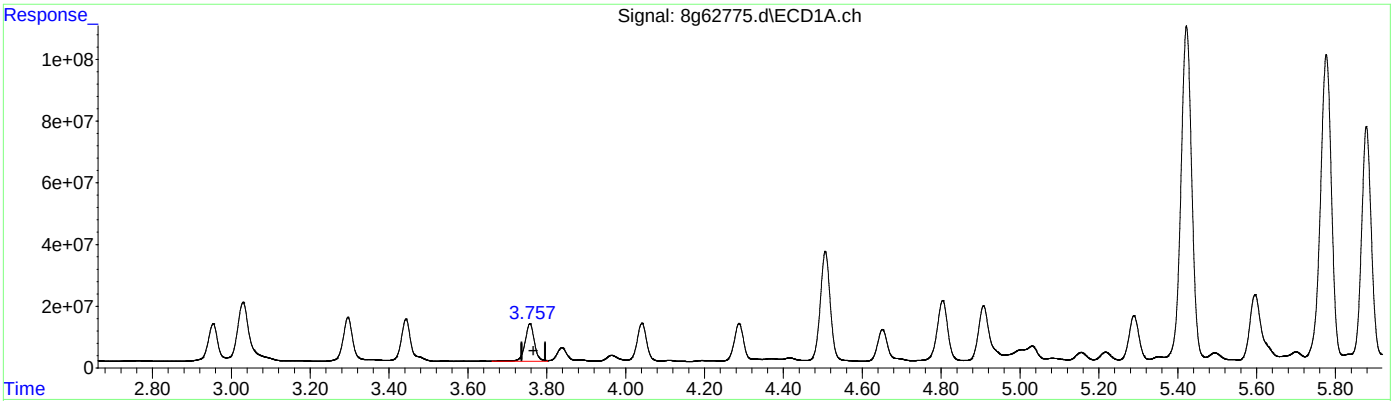
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:42:22 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62775.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:31 am
Operator : christp
Sample : op59833-msd m
Misc : op59833,g8g2700,5.2,,,10,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(5) gamma-BHC (MA)

3.757min 2.293 PPB

response 201887433

(5) gamma-BHC #2 (MA)

4.870min 2.279 PPB

response 439390918

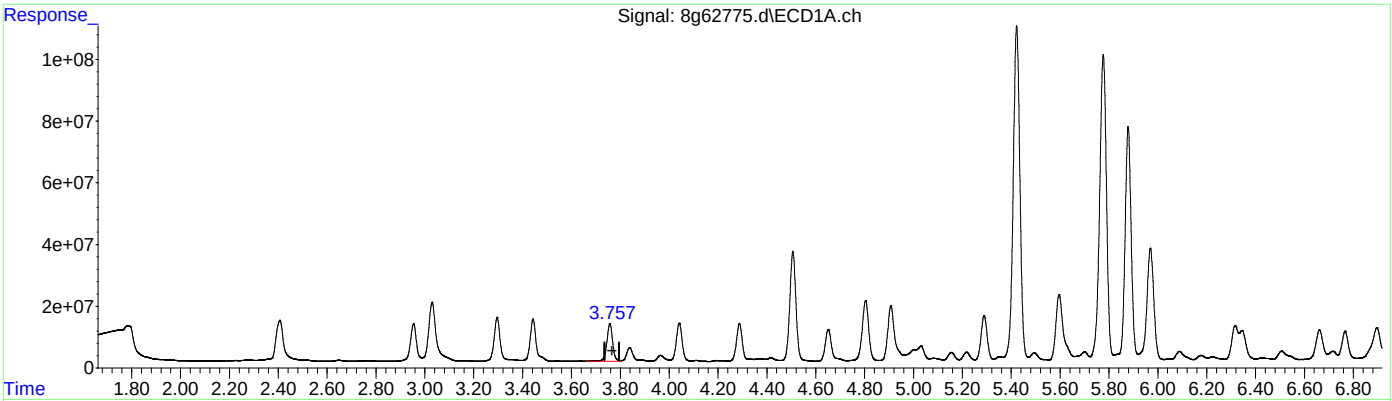
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:42:37 2024

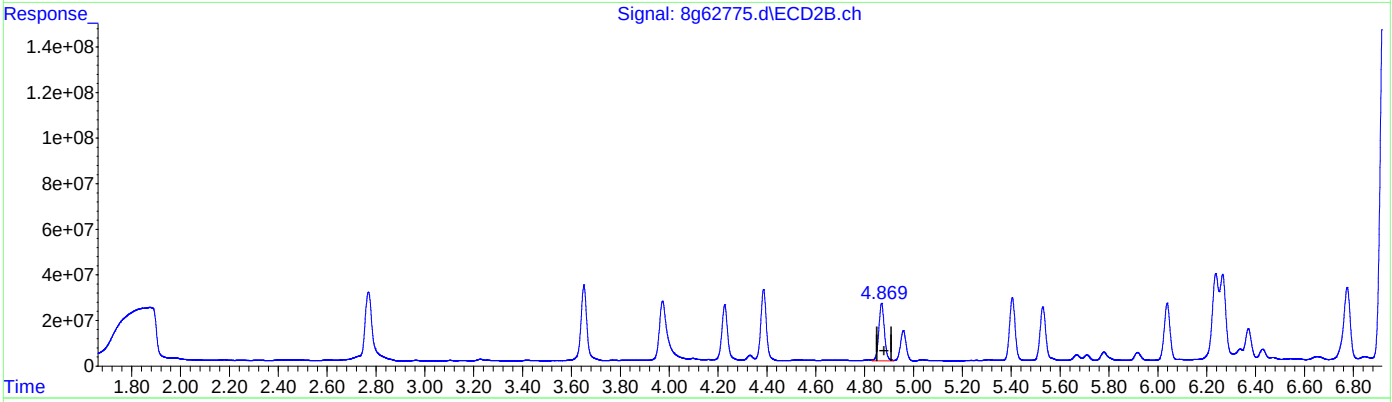
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62775.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:31 am
Operator : christp
Sample : op59833-msd m
Misc : op59833,g8g2700,5.2,,,10,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(5) gamma-BHC (MA)

3.757min 2.293 PPB

response 201887433

(5) gamma-BHC #2 (MA)

4.869min 2.088 PPB m

response 402734105

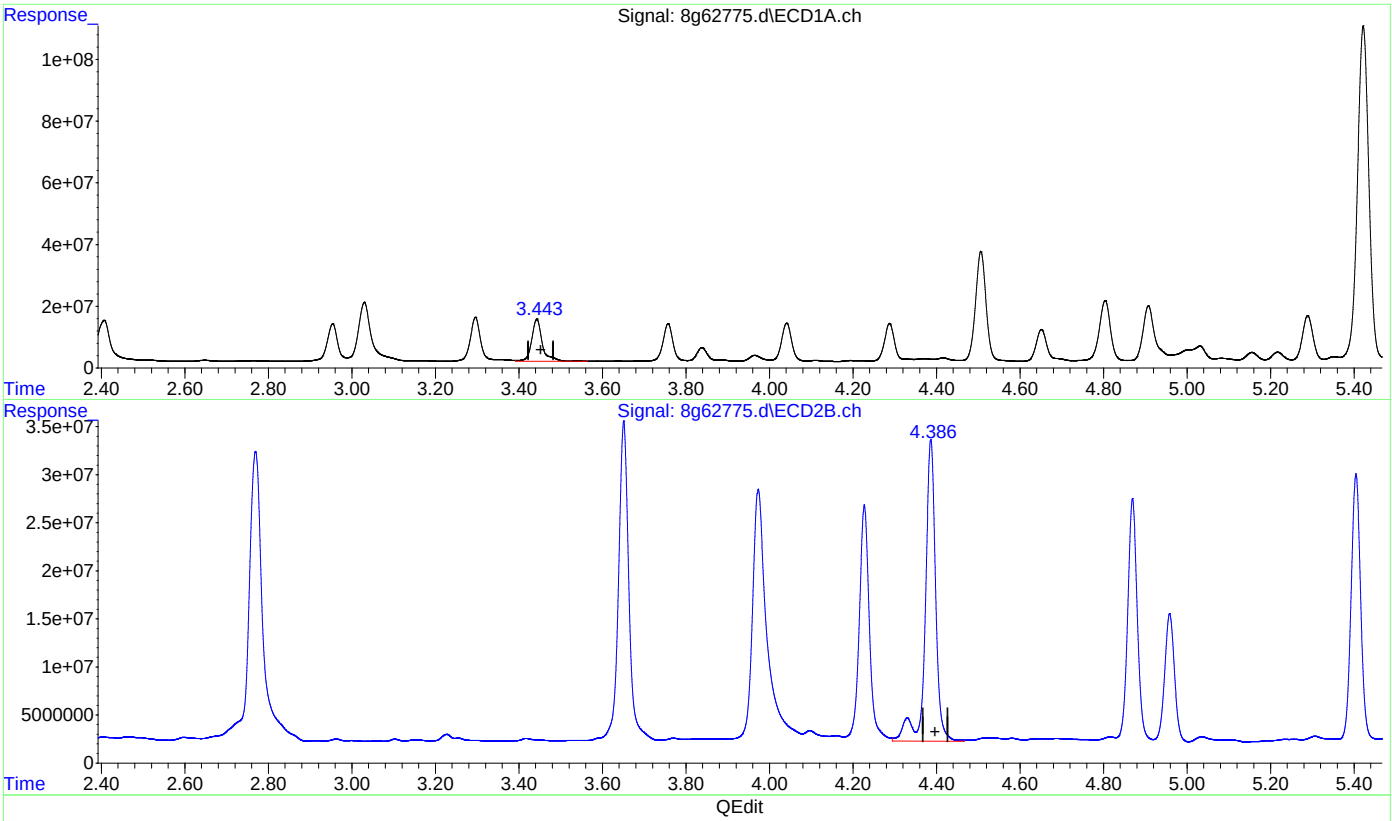
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:42:43 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62775.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:31 am
Operator : christp
Sample : op59833-msd m
Misc : op59833,g8g2700,5.2,,,10,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(4) alpha-BHC (A)

3.443min 2.605 PPB

response 244023503

(4) alpha-BHC #2 (A)

4.387min 2.502 PPB

response 545547123

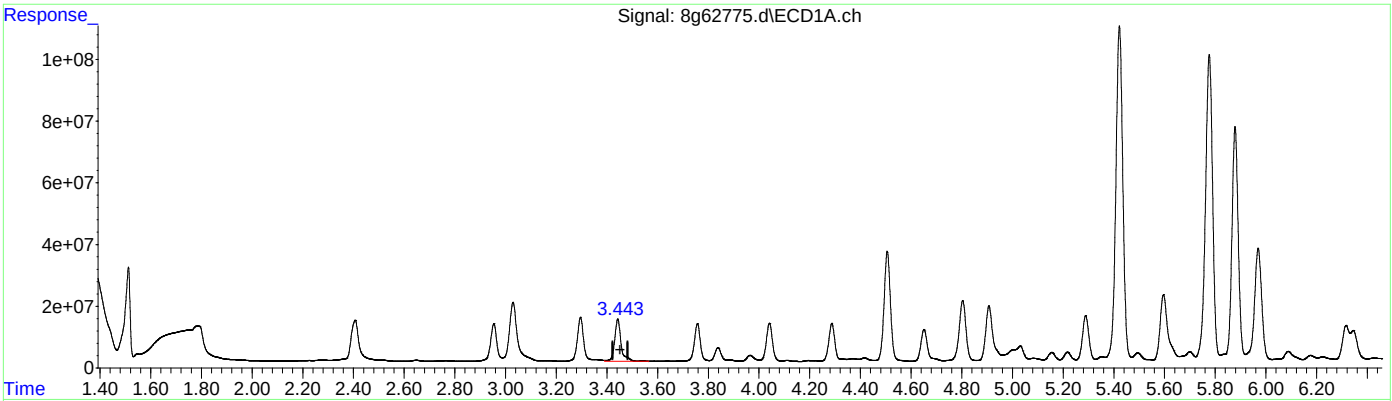
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:42:48 2024

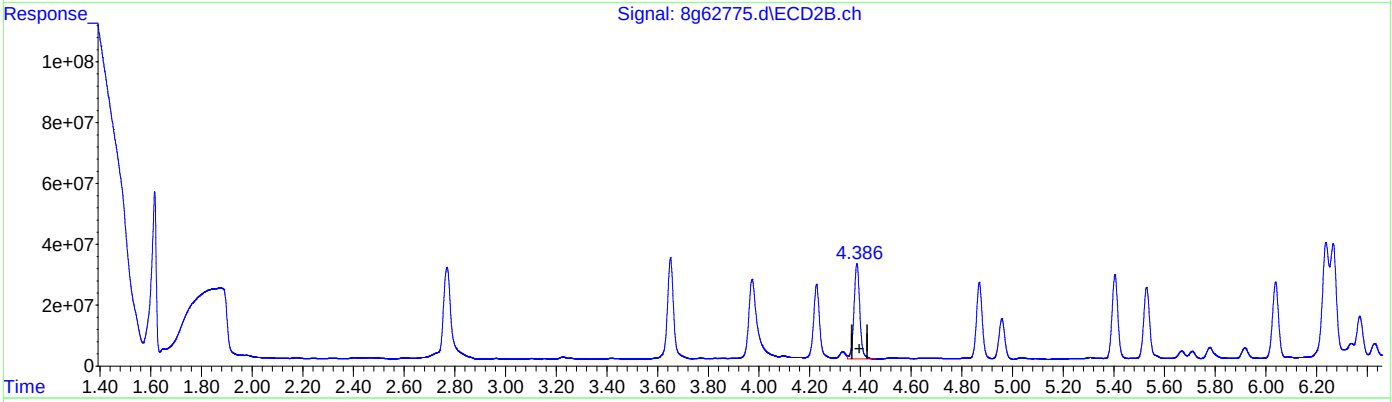
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62775.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:31 am
Operator : christp
Sample : op59833-msd m
Misc : op59833,g8g2700,5.2,,,10,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(4) alpha-BHC (A)

3.443min 2.605 PPB

response 244023503

(4) alpha-BHC #2 (A)

4.386min 2.291 PPB m

response 499585493

(+) = Expected Retention Time

8PSTLVI2596a.M Tue Dec 03 12:42:52 2024 Page: 1

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 12/05/24 08:41

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62849.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 5:01 pm
Operator : kyrac
Sample : op59852-ms m
Misc : op59852,g8g2704,5.2,,,10,1
ALS Vial : 82 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:37:07 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1)	I 1-bromo-2...	2.418	2.780	298.8E6	940.4E6	5.000	5.000
27)	I 1-bromo-2...	2.418	2.780	298.8E6	940.4E6	5.000	5.000
33)	I 1-bromo-2...	2.418	2.780	298.8E6	940.4E6	5.000	5.000
	System Monitoring Compounds						
2)	SAB Tetrachlo...	2.962	3.657	245.1E6	685.8E6	4.252m	2.977m#
	Spiked Amount 40.000	Range 30 - 150		Recovery =		10.63%#	7.44%#
26)	SA Decachlor...	10.613	12.995	288.7E6	445.4E6	5.206m	3.417 #
	Spiked Amount 40.000			Recovery =		13.02%	8.54%
	Target Compounds						
3)	hexachlor...	3.302	4.231	245.1E6	422.1E6	2.699m	1.721 #
4)	A alpha-BHC	3.448	4.390	228.6E6	453.7E6	2.817	1.585 #
5)	MA gamma-BHC	3.762	4.872	207.6E6	465.5E6	2.752	1.839 #
6)	MA Heptachlor	4.291	5.531	214.8E6	406.3E6	2.764m	1.817 #
7)	B beta-BHC	3.844	4.961	93032253	236.4E6	2.612	1.830 #
8)	B delta-BHC	4.046	5.407	214.8E6	480.6E6	2.837	1.959m#
9)	MB Aldrin	4.654	6.039	180.1E6	420.5E6	2.622	1.816 #
10)	alachlor	4.795	5.779	29085481	64300313	2.827m	1.862 #
11)	B Heptachlo...	5.422	6.923	179.0E6	396.4E6	2.641m	1.812 #
12)	B gamma-Chl...	5.597	7.232	156.7E6	360.6E6	2.169	1.668
13)	B alpha-Chl...	5.777	7.471	170.2E6	391.7E6	2.531	1.823 #
14)	A Endosulfan I	5.974	7.582	163.7E6	351.5E6	2.605	1.786 #
15)	B 4,4'-DDE	5.880	7.722	173.7E6	412.2E6	2.522	1.980
16)	MA Dieldrin	6.315	8.041	162.0E6	419.5E6	2.366	1.885
17)	MA Endrin	6.661	8.577	159.6E6	330.1E6	2.958	2.058 #
18)	A 4,4'-DDD	6.766	8.717	137.2E6	324.7E6	2.380m	1.773 #
19)	B Endosulfa...	7.003	8.937	148.7E6	318.0E6	2.470	1.709m#
20)	MA 4,4'-DDT	7.203	9.277	152.5E6	292.8E6	2.621	1.934m#
21)	B Endrin Al...	7.660	9.521	119.7E6	250.8E6	2.418m	1.716 #
22)	B Endosulfa...	8.378	10.006	124.1E6	288.2E6	2.217	1.713
23)	A Methoxychlor	7.998	10.505	80502411	146.0E6	2.379	1.940m
24)	Mirex	8.196	10.942	133.1E6	150.6E6	2.593m	1.397m#
25)	B Endrin Ke...	8.833	10.970	170.5E6	339.6E6	2.404	1.478m#

SemiQuant Compounds - Not Calibrated on this Instrument

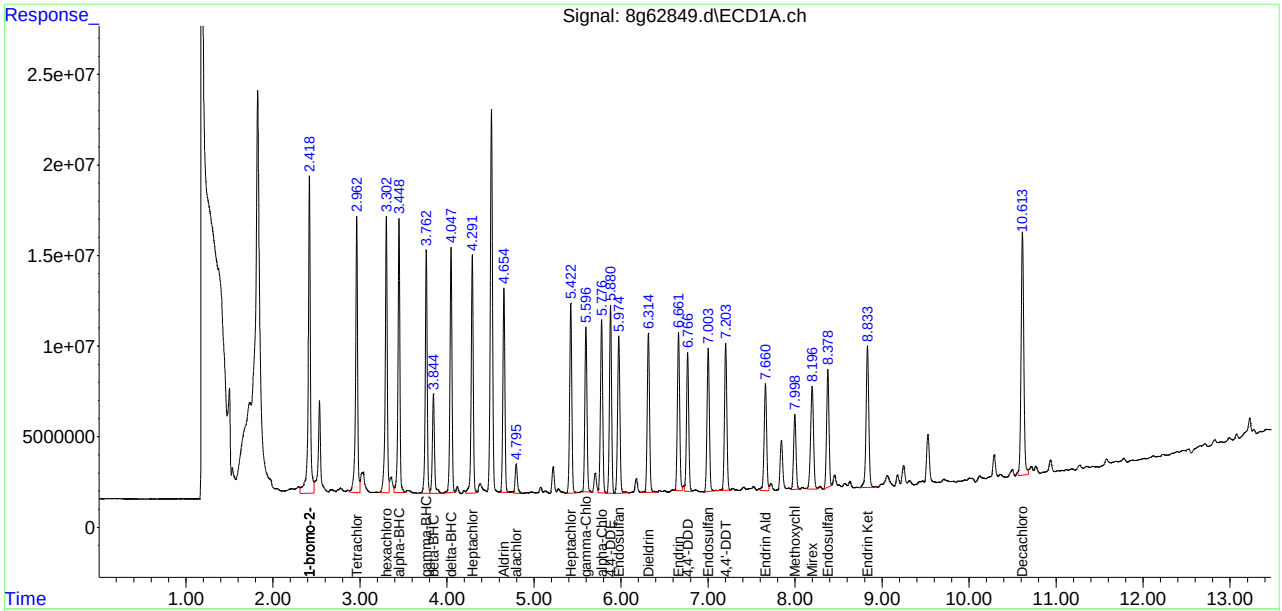
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

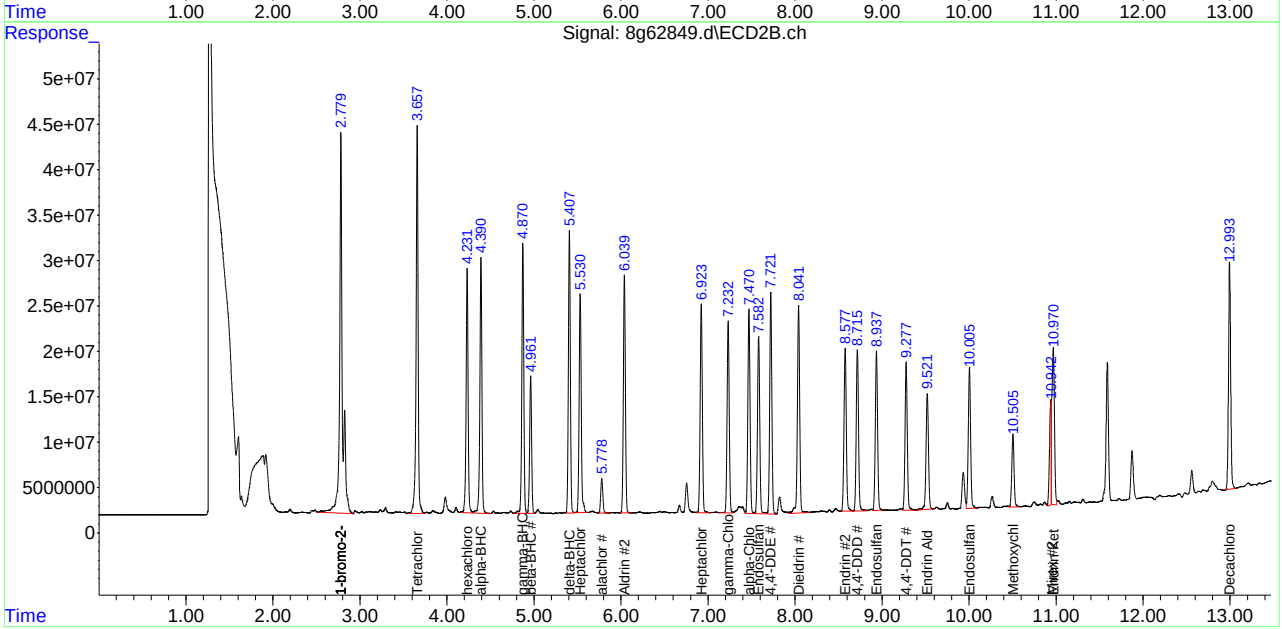
Quantitation Report (QT Reviewed)

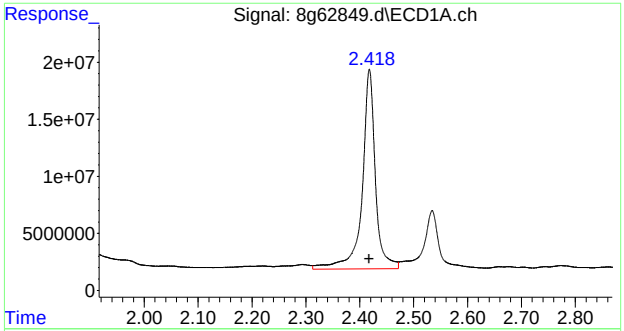
Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62849.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 5:01 pm
Operator : kyrac
Sample : op59852-ms m
Misc : op59852,g8g2704,5.2,,,10,1
ALS Vial : 82 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:37:07 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

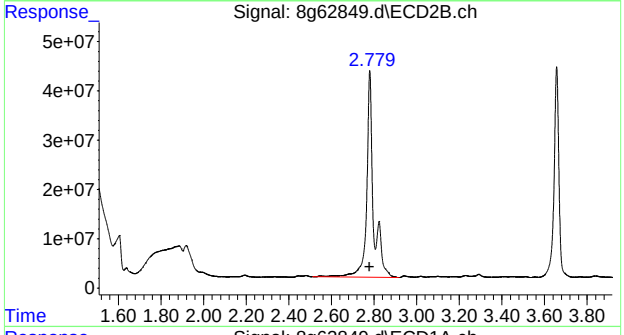






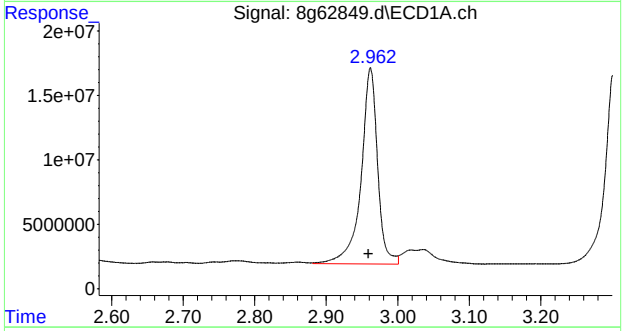
#1 1-bromo-2-nitrobenzene

R.T.: 2.418 min
Delta R.T.: 0.001 min
Response: 298759251
Conc: 5.00 PPB



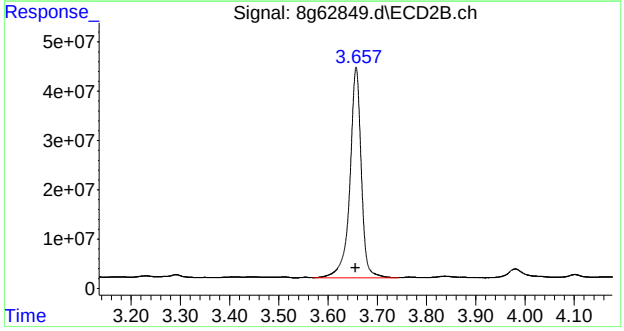
#1 1-bromo-2-nitrobenzene

R.T.: 2.780 min
Delta R.T.: 0.001 min
Response: 940430415
Conc: 5.00 PPB



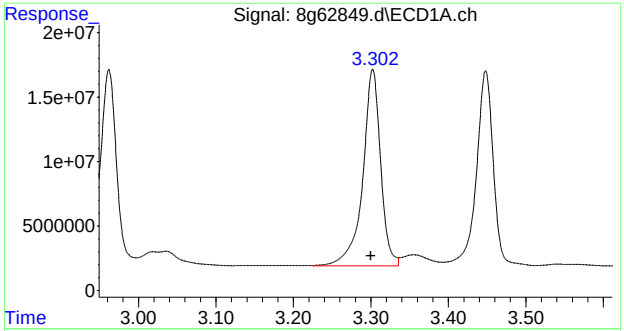
#2 Tetrachloro-m-xylene

R.T.: 2.962 min
Delta R.T.: 0.003 min
Response: 245085449
Conc: 4.25 PPB m



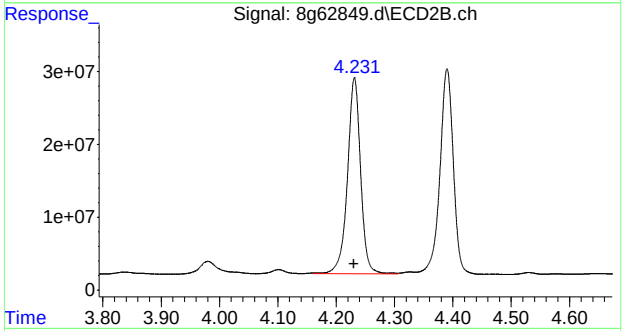
#2 Tetrachloro-m-xylene

R.T.: 3.657 min
Delta R.T.: 0.002 min
Response: 685819936
Conc: 2.98 PPB m



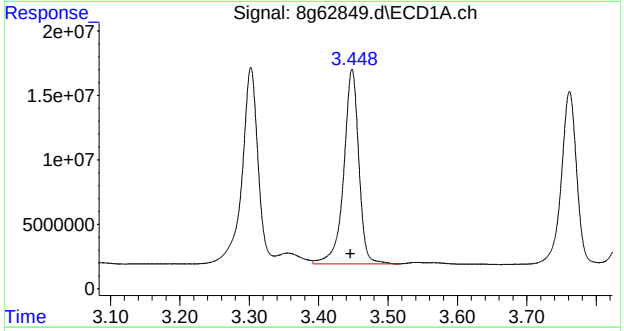
#3 hexachlorobenzene

R.T.: 3.302 min
Delta R.T.: 0.003 min
Response: 245077553
Conc: 2.70 PPB m



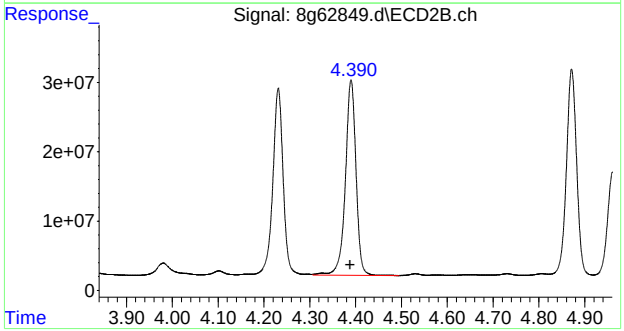
#3 hexachlorobenzene

R.T.: 4.231 min
Delta R.T.: 0.002 min
Response: 422078874
Conc: 1.72 PPB



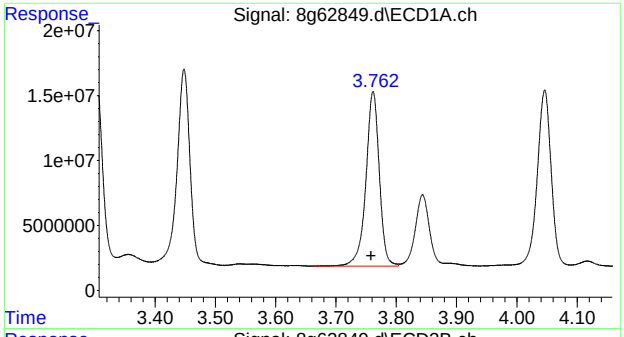
#4 alpha-BHC

R.T.: 3.448 min
Delta R.T.: 0.002 min
Response: 228588156
Conc: 2.82 PPB



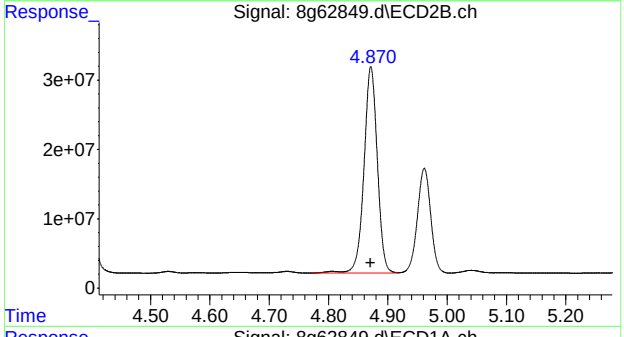
#4 alpha-BHC

R.T.: 4.390 min
Delta R.T.: 0.002 min
Response: 453705309
Conc: 1.58 PPB



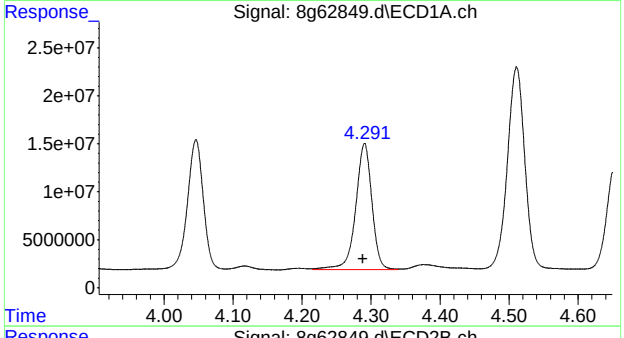
#5 gamma-BHC

R.T.: 3.762 min
Delta R.T.: 0.003 min
Response: 207573441
Conc: 2.75 PPB



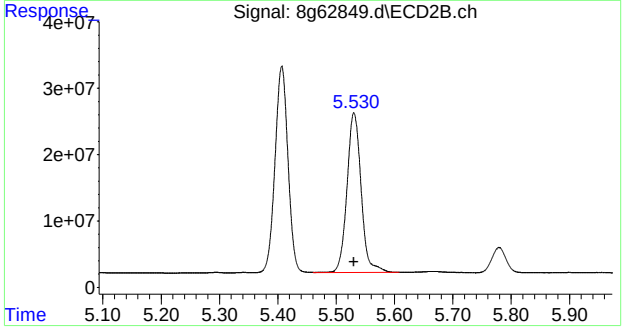
#5 gamma-BHC

R.T.: 4.872 min
Delta R.T.: 0.001 min
Response: 465524103
Conc: 1.84 PPB



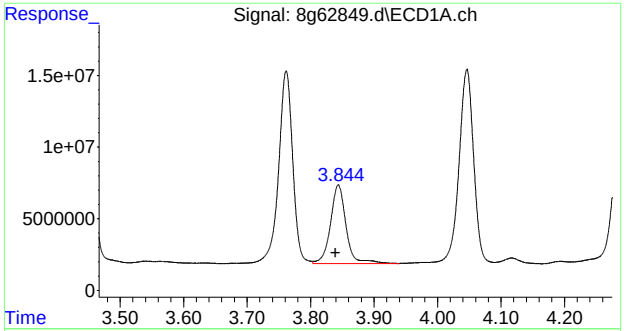
#6 Heptachlor

R.T.: 4.291 min
Delta R.T.: 0.003 min
Response: 214827687
Conc: 2.76 PPB m



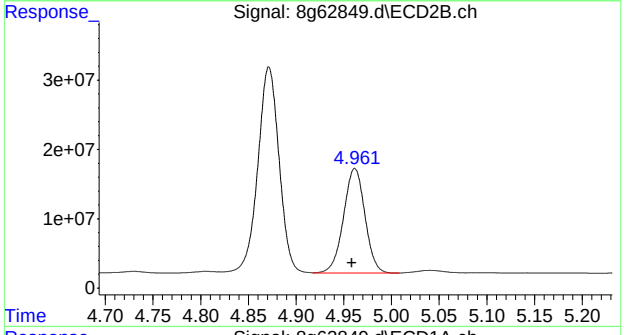
#6 Heptachlor

R.T.: 5.531 min
Delta R.T.: 0.001 min
Response: 406289243
Conc: 1.82 PPB



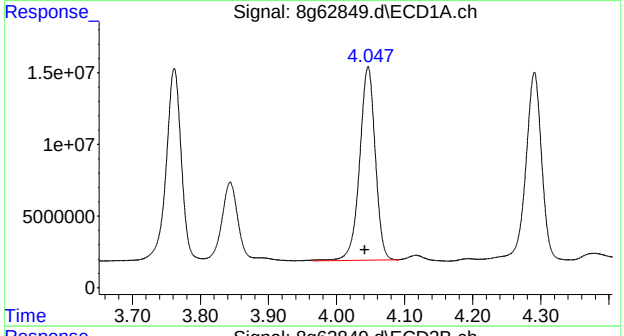
#7 beta-BHC

R.T.: 3.844 min
Delta R.T.: 0.005 min
Response: 93032253
Conc: 2.61 PPB



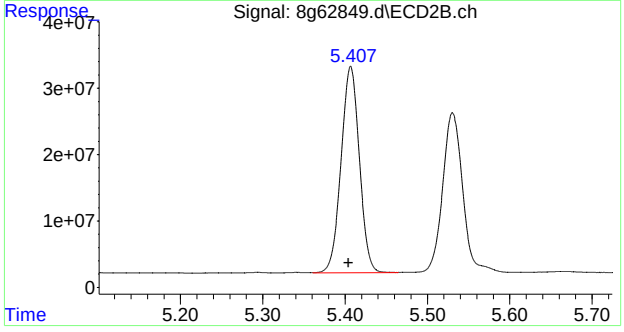
#7 beta-BHC

R.T.: 4.961 min
Delta R.T.: 0.003 min
Response: 236428794
Conc: 1.83 PPB



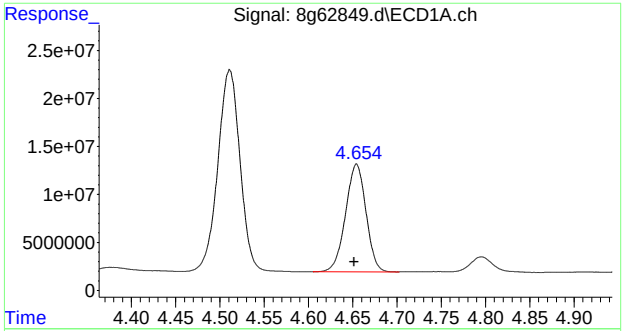
#8 delta-BHC

R.T.: 4.046 min
Delta R.T.: 0.005 min
Response: 214816299
Conc: 2.84 PPB



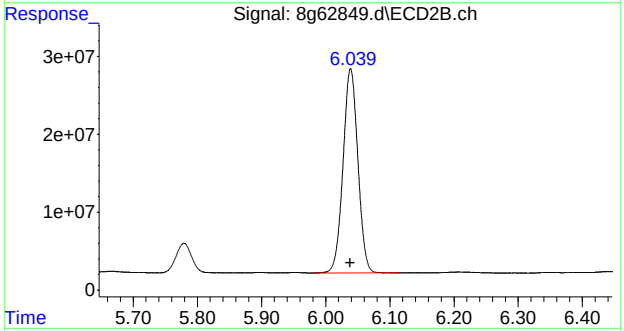
#8 delta-BHC

R.T.: 5.407 min
Delta R.T.: 0.003 min
Response: 480564050
Conc: 1.96 PPB m



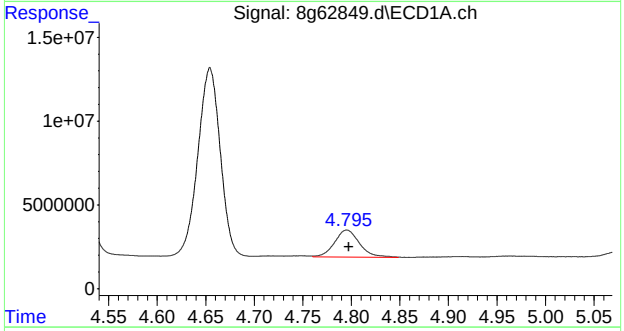
#9 Aldrin

R.T.: 4.654 min
Delta R.T.: 0.003 min
Response: 180082198
Conc: 2.62 PPB



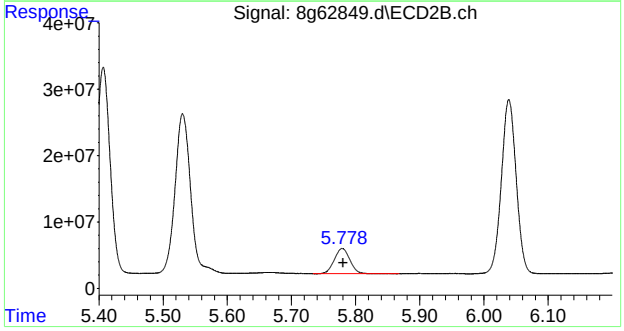
#9 Aldrin

R.T.: 6.039 min
Delta R.T.: 0.001 min
Response: 420539947
Conc: 1.82 PPB



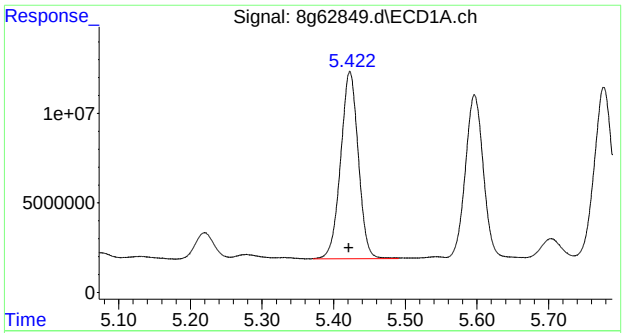
#10 alachlor

R.T.: 4.795 min
Delta R.T.: -0.003 min
Response: 29085481
Conc: 2.83 PPB m



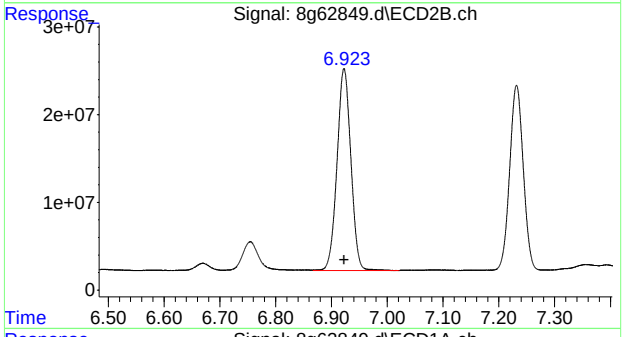
#10 alachlor

R.T.: 5.779 min
Delta R.T.: 0.000 min
Response: 64300313
Conc: 1.86 PPB



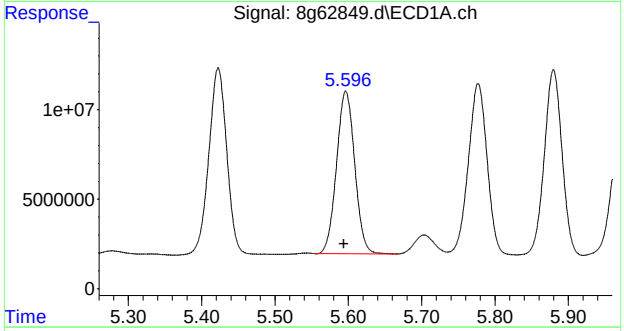
#11 Heptachlor Epoxide

R.T.: 5.422 min
Delta R.T.: 0.001 min
Response: 178996329
Conc: 2.64 PPB m



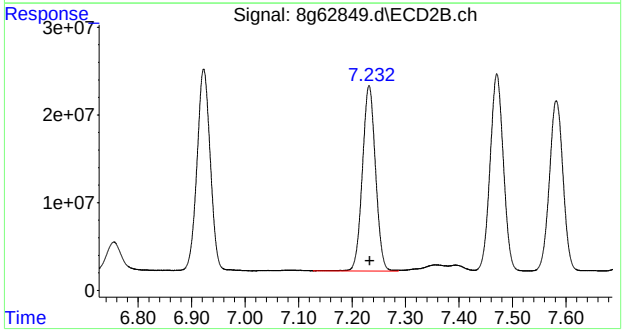
#11 Heptachlor Epoxide

R.T.: 6.923 min
Delta R.T.: 0.000 min
Response: 396365726
Conc: 1.81 PPB



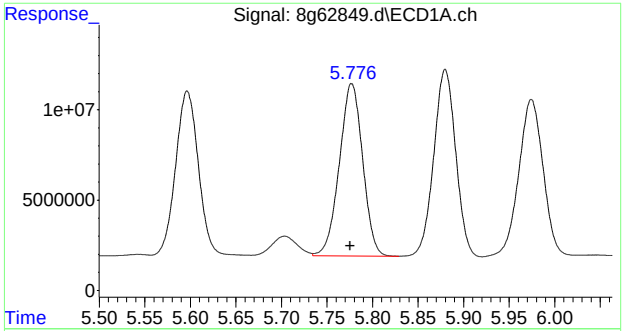
#12 gamma-Chlordane

R.T.: 5.597 min
Delta R.T.: 0.003 min
Response: 156700879
Conc: 2.17 PPB



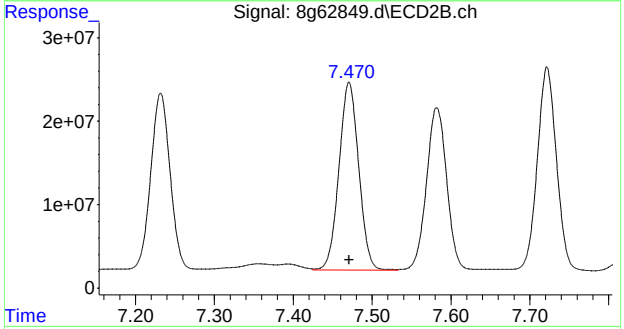
#12 gamma-Chlordane

R.T.: 7.232 min
Delta R.T.: -0.001 min
Response: 360647861
Conc: 1.67 PPB



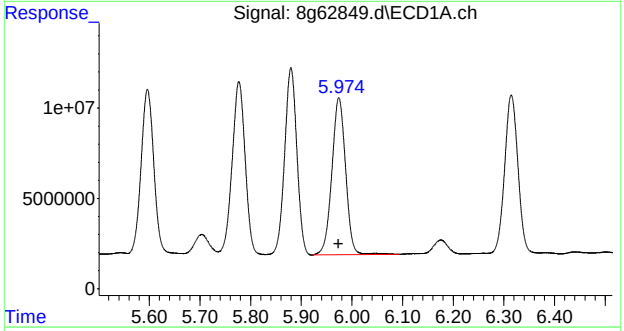
#13 alpha-Chlordane

R.T.: 5.777 min
Delta R.T.: 0.002 min
Response: 170232340
Conc: 2.53 PPB



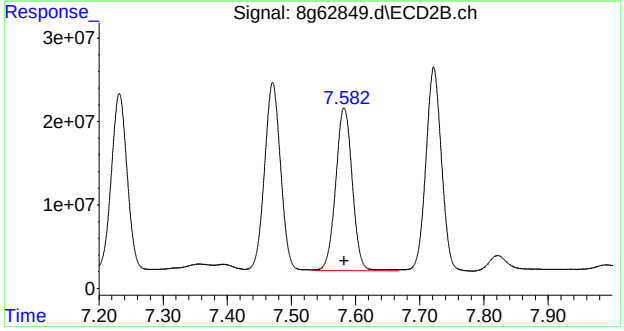
#13 alpha-Chlordane

R.T.: 7.471 min
Delta R.T.: 0.000 min
Response: 391670098
Conc: 1.82 PPB



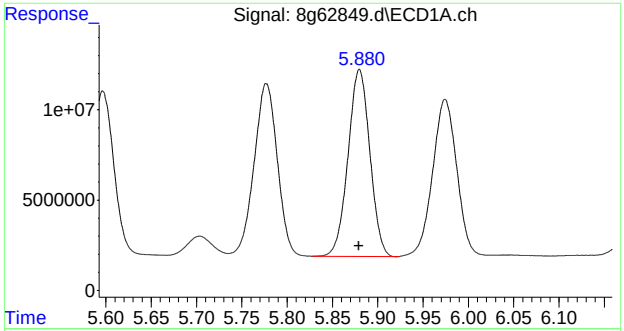
#14 Endosulfan I

R.T.: 5.974 min
Delta R.T.: 0.001 min
Response: 163717391
Conc: 2.61 PPB



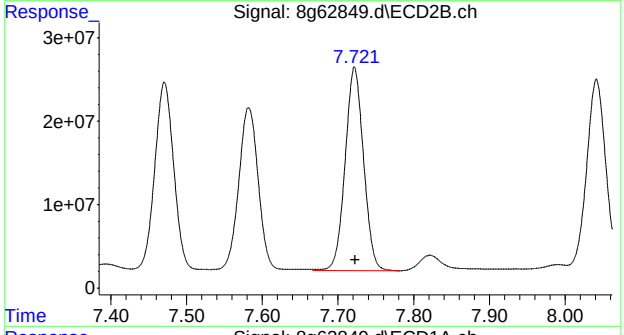
#14 Endosulfan I

R.T.: 7.582 min
Delta R.T.: 0.000 min
Response: 351507357
Conc: 1.79 PPB



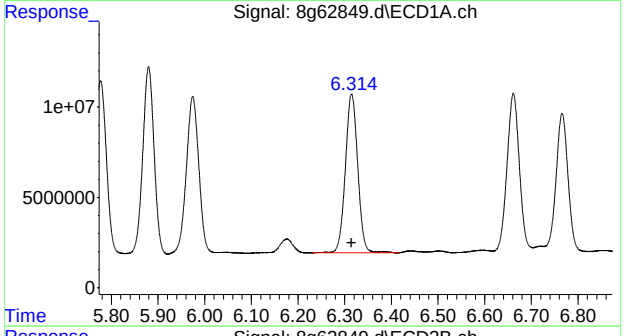
#15 4,4'-DDE

R.T.: 5.880 min
Delta R.T.: 0.000 min
Response: 173665220
Conc: 2.52 PPB



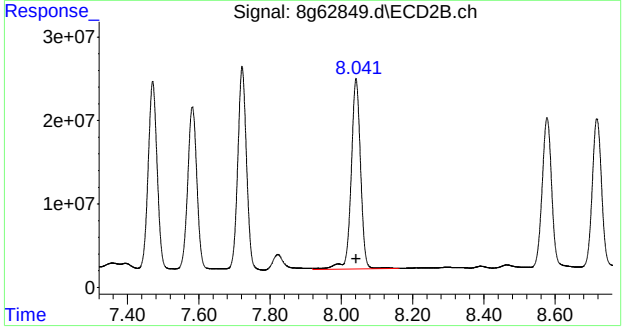
#15 4,4'-DDE

R.T.: 7.722 min
Delta R.T.: 0.000 min
Response: 412191258
Conc: 1.98 PPB



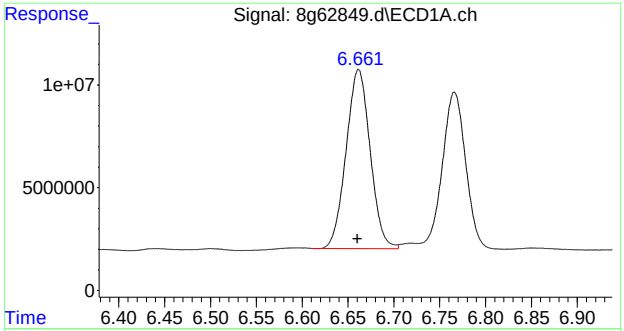
#16 Dieldrin

R.T.: 6.315 min
Delta R.T.: 0.000 min
Response: 162006804
Conc: 2.37 PPB



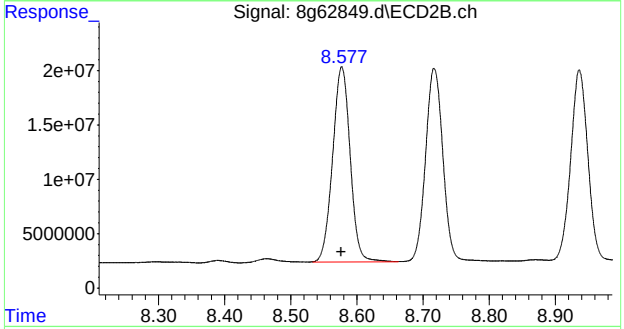
#16 Dieldrin

R.T.: 8.041 min
Delta R.T.: 0.000 min
Response: 419536639
Conc: 1.88 PPB



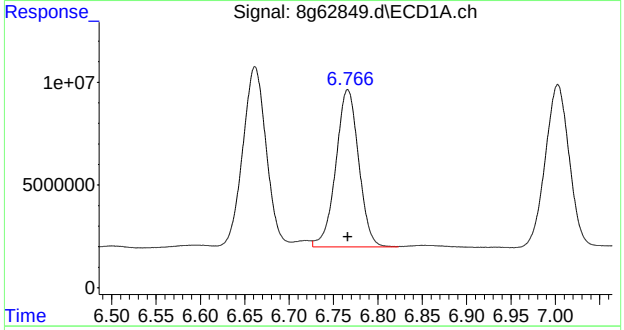
#17 Endrin

R.T.: 6.661 min
Delta R.T.: 0.001 min
Response: 159613457
Conc: 2.96 PPB



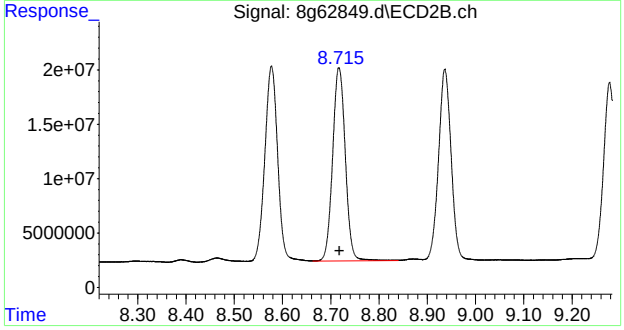
#17 Endrin

R.T.: 8.577 min
Delta R.T.: 0.001 min
Response: 330140690
Conc: 2.06 PPB



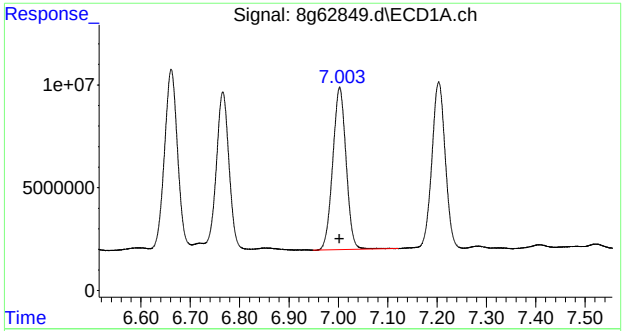
#18 4,4'-DDD

R.T.: 6.766 min
Delta R.T.: 0.000 min
Response: 137215291
Conc: 2.38 PPB m



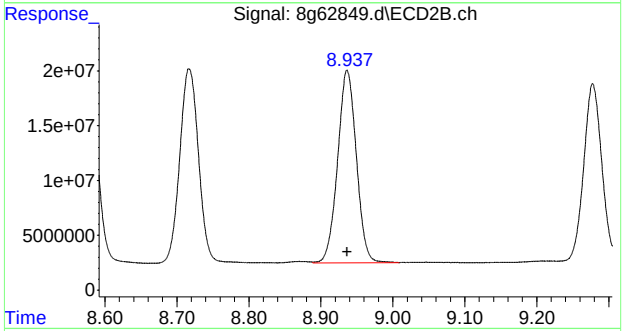
#18 4,4'-DDD

R.T.: 8.717 min
Delta R.T.: 0.000 min
Response: 324672189
Conc: 1.77 PPB



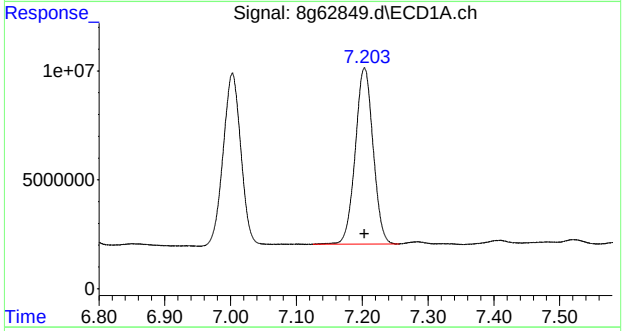
#19 Endosulfan II

R.T.: 7.003 min
Delta R.T.: 0.000 min
Response: 148698107
Conc: 2.47 PPB



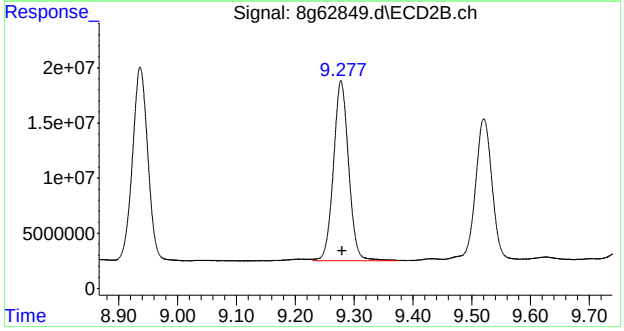
#19 Endosulfan II

R.T.: 8.937 min
Delta R.T.: 0.000 min
Response: 317989532
Conc: 1.71 PPB m



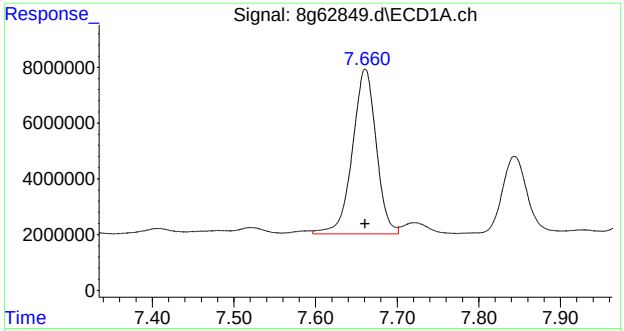
#20 4,4'-DDT

R.T.: 7.203 min
Delta R.T.: 0.000 min
Response: 152530851
Conc: 2.62 PPB



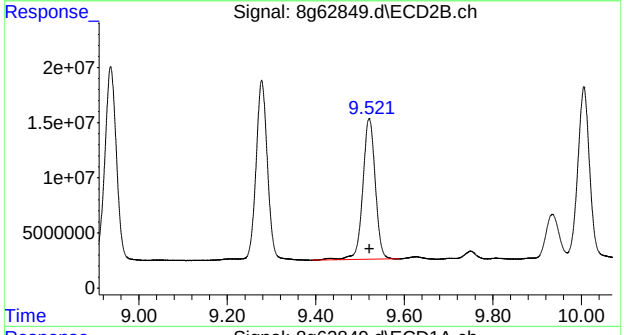
#20 4,4'-DDT

R.T.: 9.277 min
Delta R.T.: -0.002 min
Response: 292840708
Conc: 1.93 PPB m



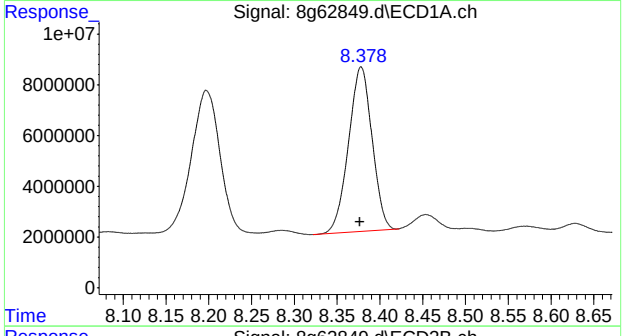
#21 Endrin Aldehyde

R.T.: 7.660 min
Delta R.T.: 0.000 min
Response: 119662771
Conc: 2.42 PPB m



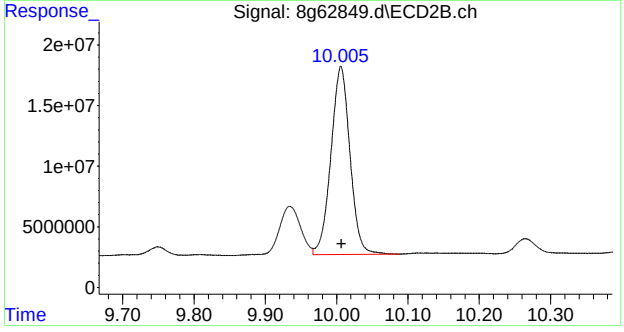
#21 Endrin Aldehyde

R.T.: 9.521 min
Delta R.T.: 0.000 min
Response: 250759557
Conc: 1.72 PPB



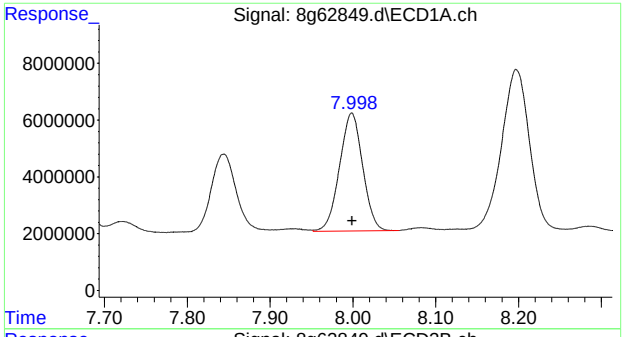
#22 Endosulfan Sulfate

R.T.: 8.378 min
Delta R.T.: 0.002 min
Response: 124143689
Conc: 2.22 PPB



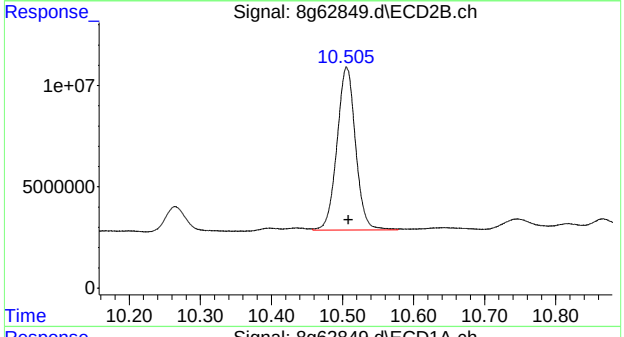
#22 Endosulfan Sulfate

R.T.: 10.006 min
Delta R.T.: 0.000 min
Response: 288156742
Conc: 1.71 PPB



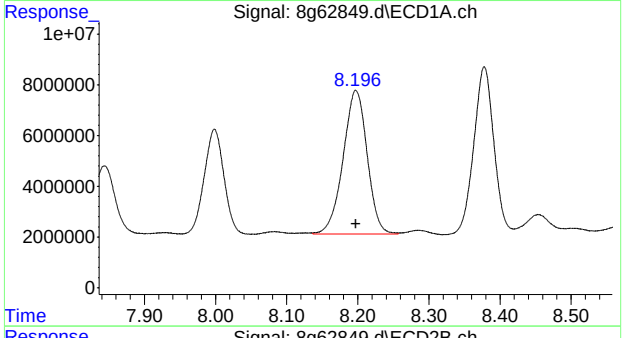
#23 Methoxychlor

R.T.: 7.998 min
Delta R.T.: 0.000 min
Response: 80502411
Conc: 2.38 PPB



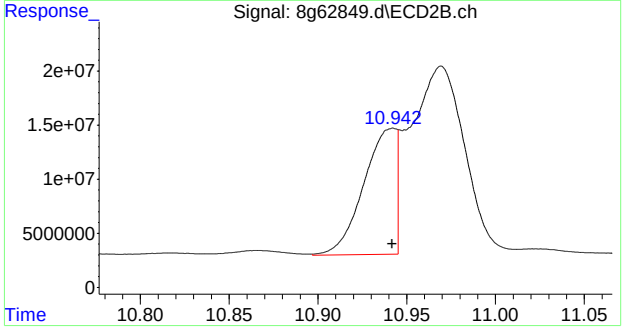
#23 Methoxychlor

R.T.: 10.505 min
Delta R.T.: -0.004 min
Response: 145988828
Conc: 1.94 PPB m



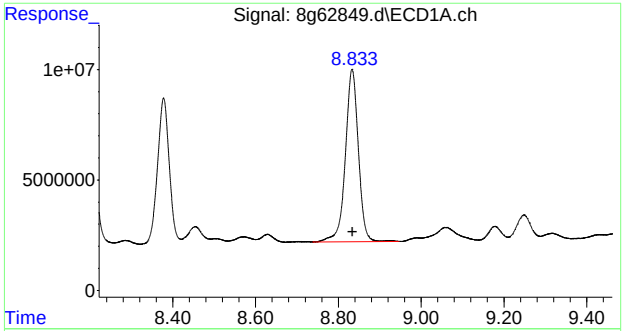
#24 Mirex

R.T.: 8.196 min
Delta R.T.: -0.001 min
Response: 133076915
Conc: 2.59 PPB m



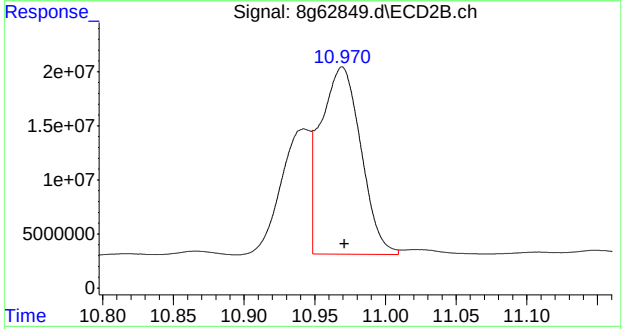
#24 Mirex

R.T.: 10.942 min
Delta R.T.: 0.000 min
Response: 150625378
Conc: 1.40 PPB m



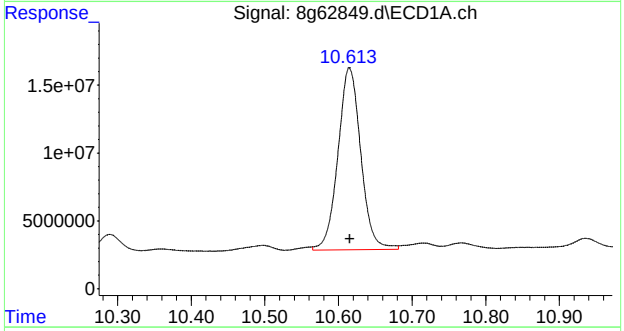
#25 Endrin Ketone

R.T.: 8.833 min
Delta R.T.: 0.000 min
Response: 170457439
Conc: 2.40 PPB



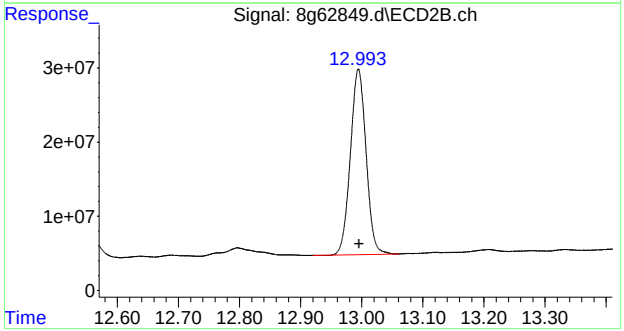
#25 Endrin Ketone

R.T.: 10.970 min
Delta R.T.: -0.001 min
Response: 339573542
Conc: 1.48 PPB m



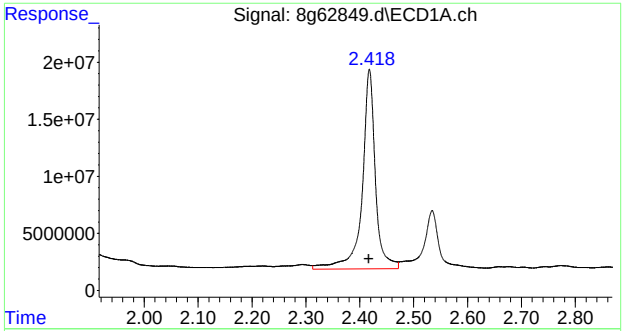
#26 Decachlorobiphenyl

R.T.: 10.613 min
Delta R.T.: -0.002 min
Response: 288662080
Conc: 5.21 PPB m



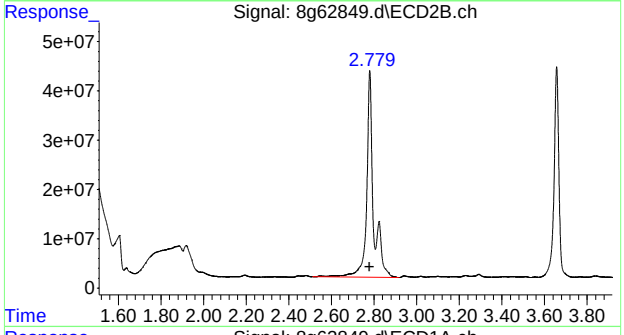
#26 Decachlorobiphenyl

R.T.: 12.995 min
Delta R.T.: -0.001 min
Response: 445386350
Conc: 3.42 PPB



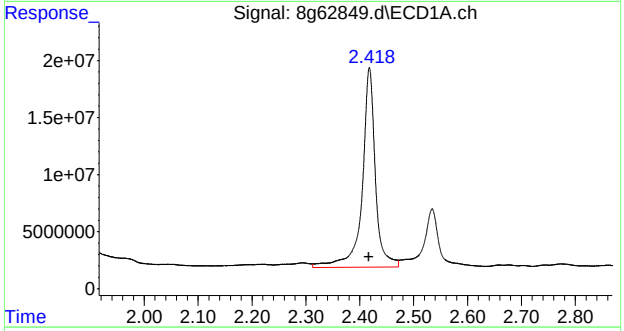
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.418 min
Delta R.T.: 0.001 min
Response: 298759251
Conc: 5.00 PPB



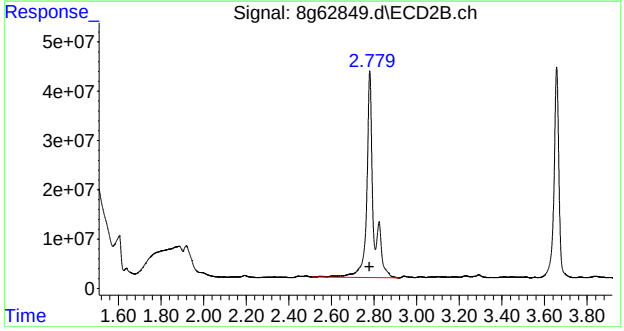
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.780 min
Delta R.T.: 0.001 min
Response: 940430415
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.418 min
Delta R.T.: 0.001 min
Response: 298759251
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.780 min
Delta R.T.: 0.001 min
Response: 940430415
Conc: 5.00 PPB

Manual Integration Approval Summary

Sample Number: OP59852-MS
Lab FileID: 8G62849.D
Injection Time: 12/04/24 17:01
Method: SW846 8081B
Analyst approved: 12/05/24 01:09 Christopher Changho
Supervisor approved: 12/05/24 08:41 Gwendolyn Burns

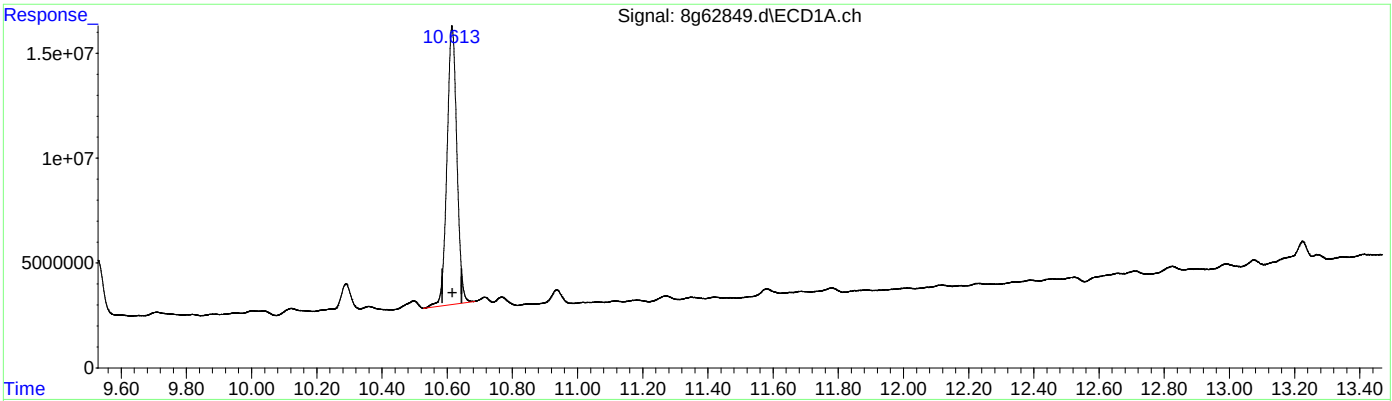
Parameter	CAS	Sig#	R.T. (min.)	Reason
Tetrachloro-m-xylene	877-09-8	1	2.96	Poorly defined baseline
Hexachlorobenzene	118-74-1	1	3.30	Poorly defined baseline
Tetrachloro-m-xylene	877-09-8	2	3.66	Poorly defined baseline
Heptachlor	76-44-8	1	4.29	Poorly defined baseline
Alachlor	15972-60-8	1	4.79	Poorly defined baseline
delta-BHC	319-86-8	2	5.41	Poorly defined baseline
Heptachlor epoxide	1024-57-3	1	5.42	Poorly defined baseline
4,4'-DDD	72-54-8	1	6.77	Poorly defined baseline
Endrin aldehyde	7421-93-4	1	7.66	Poorly defined baseline
Mirex	2385-85-5	1	8.20	Poorly defined baseline
Endosulfan-II	33213-65-9	2	8.94	Poorly defined baseline
4,4'-DDT	50-29-3	2	9.28	Poorly defined baseline
Methoxychlor	72-43-5	2	10.50	Poorly defined baseline
Decachlorobiphenyl	2051-24-3	1	10.61	Poorly defined baseline
Mirex	2385-85-5	2	10.94	Poorly defined baseline
Endrin ketone	53494-70-5	2	10.97	Poorly defined baseline

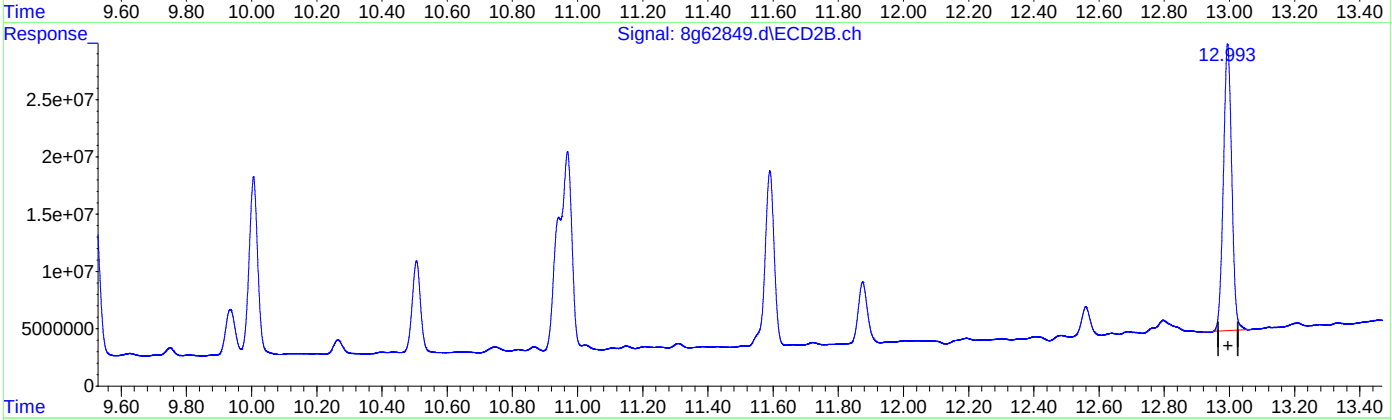
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62849.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 5:01 pm
Operator : kyrac
Sample : op59852-ms m
Misc : op59852,g8g2704,5.2,,,10,1
ALS Vial : 82 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(26) Decachlorobiphenyl (SA)

10.615min 5.049 PPB

response 279979156

(26) Decachlorobiphenyl #2 (SA)

12.995min 3.417 PPB

response 445386350

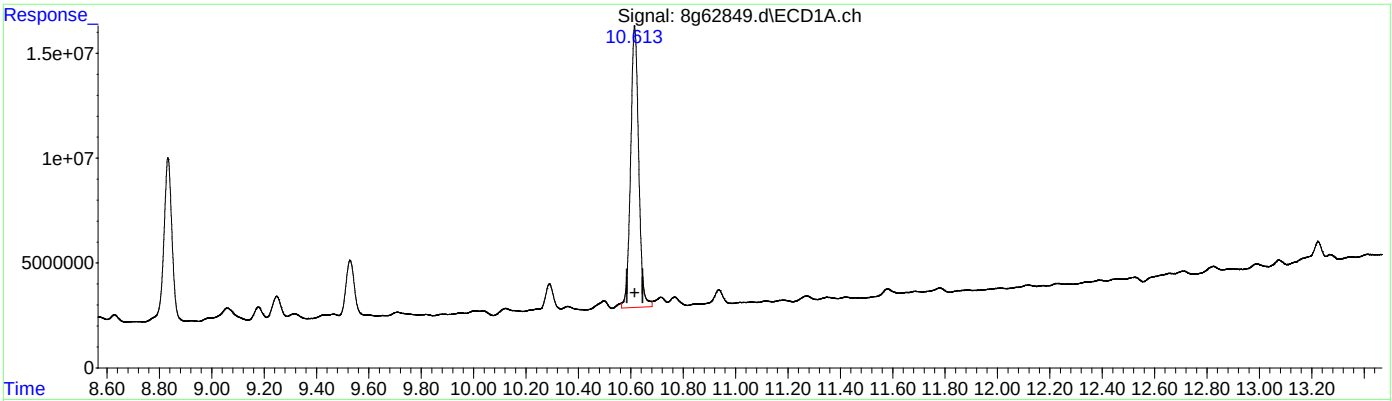
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:34:27 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62849.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 5:01 pm
Operator : kyrac
Sample : op59852-ms m
Misc : op59852,g8g2704,5.2,,,10,1
ALS Vial : 82 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(26) Decachlorobiphenyl (SA)

10.613min 5.206 PPB m

response 288662080

(26) Decachlorobiphenyl #2 (SA)

12.995min 3.417 PPB

response 445386350

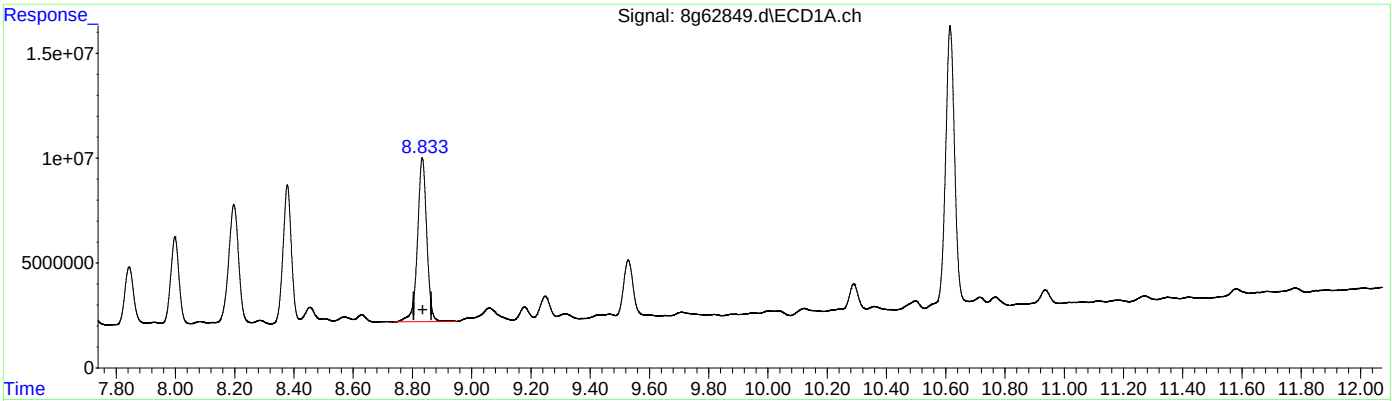
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:34:32 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62849.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 5:01 pm
Operator : kyrac
Sample : op59852-ms m
Misc : op59852,g8g2704,5.2,,,10,1
ALS Vial : 82 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(25) Endrin Ketone (B)

8.833min 2.404 PPB

response 170457439

(25) Endrin Ketone #2 (B)

10.968min 2.277 PPB

response 523135508

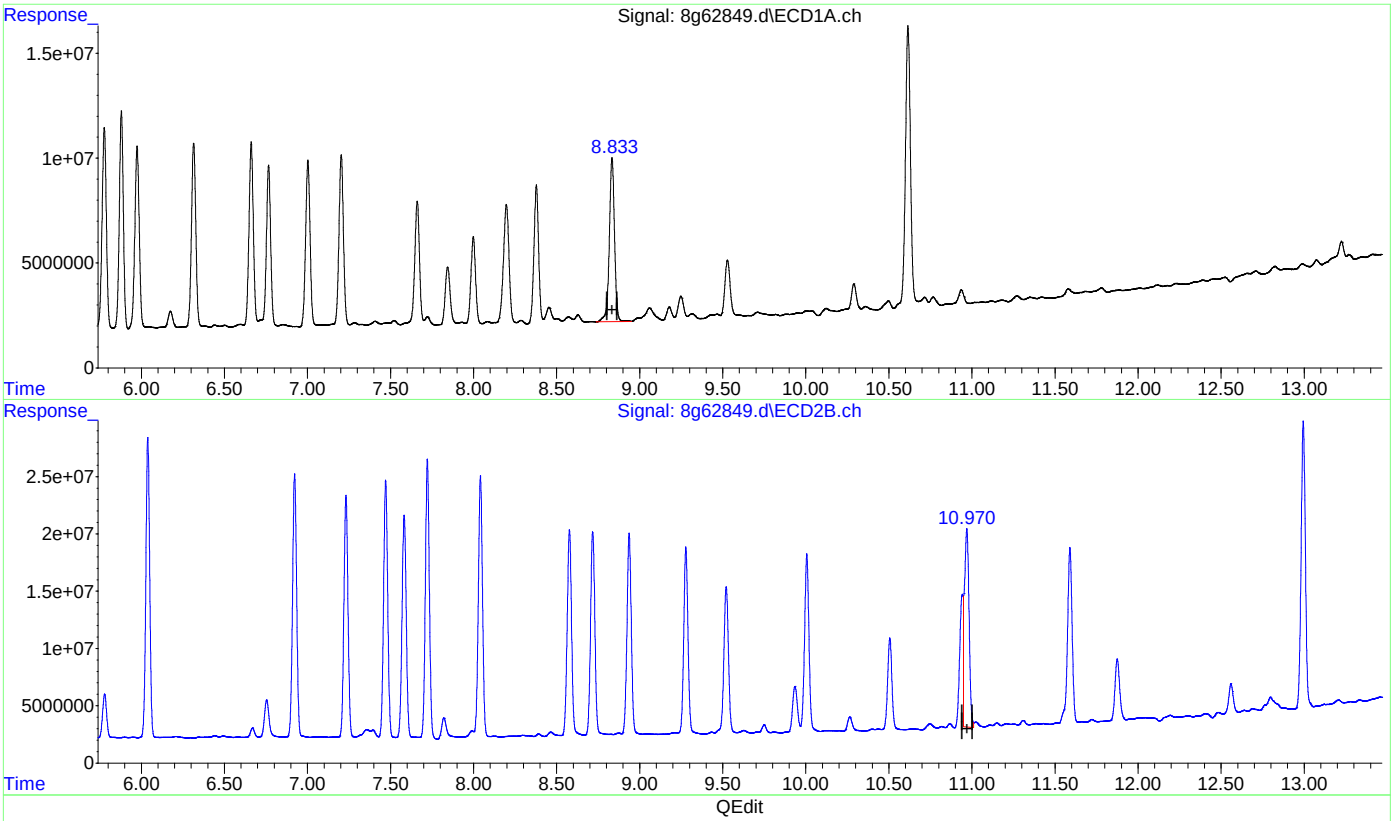
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:34:34 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62849.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 5:01 pm
Operator : kyrac
Sample : op59852-ms m
Misc : op59852,g8g2704,5.2,,,10,1
ALS Vial : 82 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(25) Endrin Ketone (B)

8.833min 2.404 PPB

response 170457439

(25) Endrin Ketone #2 (B)

10.970min 1.478 PPB m

response 339573542

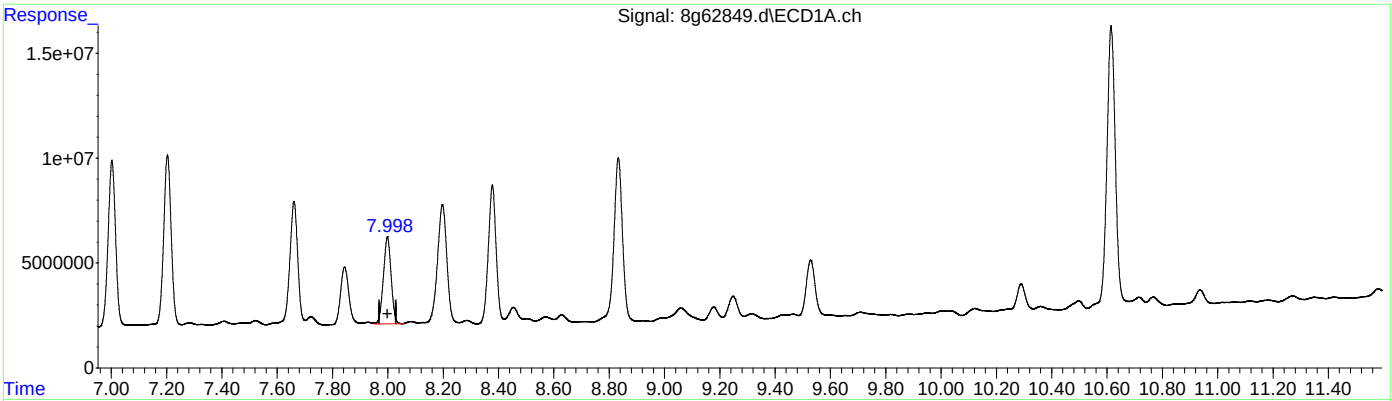
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:34:44 2024

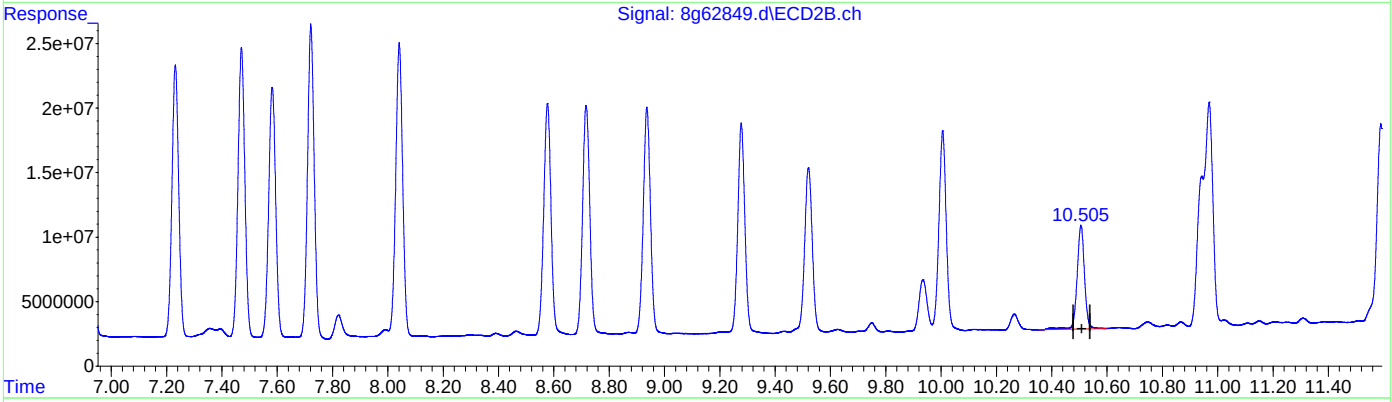
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62849.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 5:01 pm
Operator : kyrac
Sample : op59852-ms m
Misc : op59852,g8g2704,5.2,,,10,1
ALS Vial : 82 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(23) Methoxychlor (A)

7.998min 2.379 PPB

response 80502411

(23) Methoxychlor #2 (A)

10.506min 1.991 PPB

response 149830659

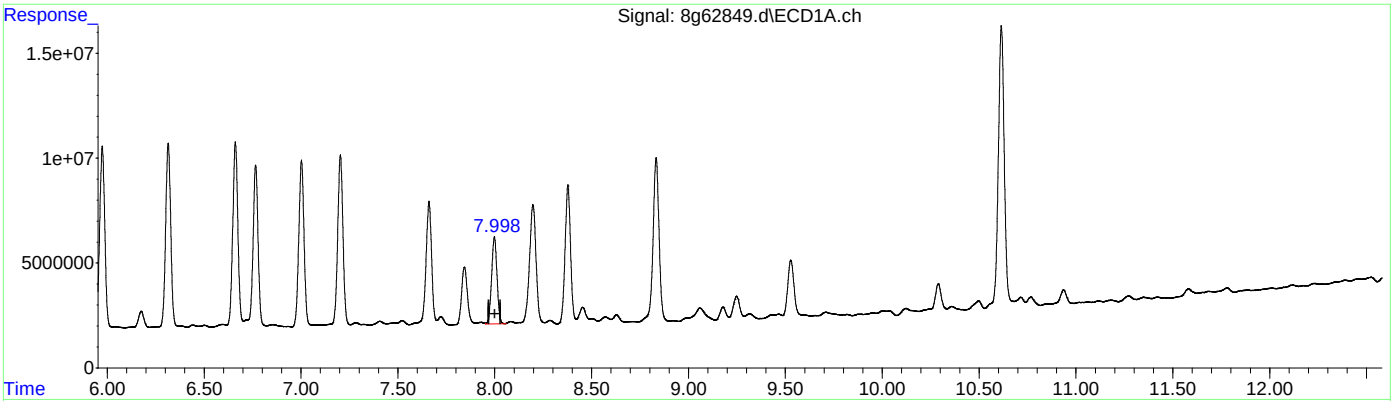
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:35:00 2024

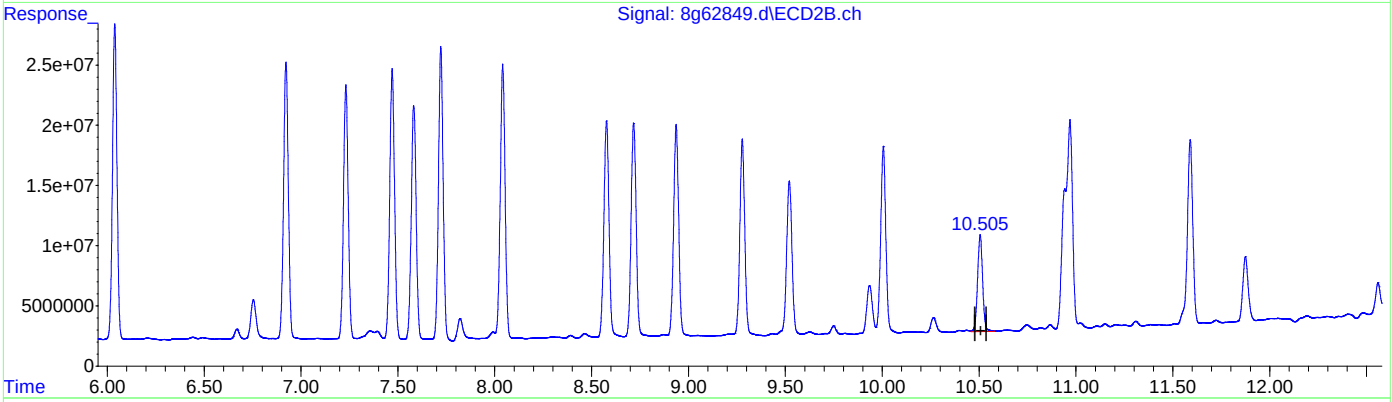
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62849.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 5:01 pm
Operator : kyrac
Sample : op59852-ms m
Misc : op59852,g8g2704,5.2,,,10,1
ALS Vial : 82 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(23) Methoxychlor (A)

7.998min 2.379 PPB

response 80502411

(23) Methoxychlor #2 (A)

10.505min 1.940 PPB m

response 145988828

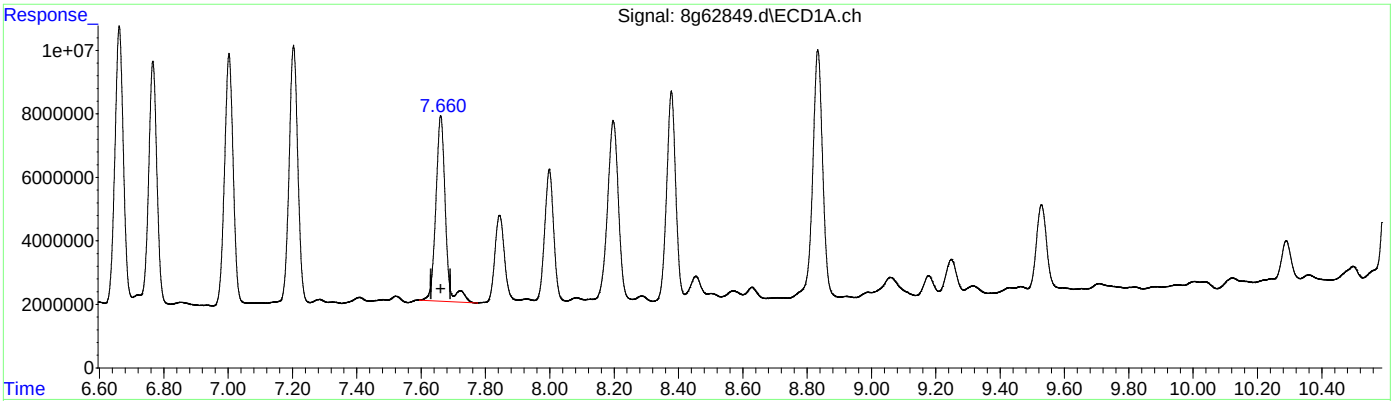
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:35:04 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62849.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 5:01 pm
Operator : kyrac
Sample : op59852-ms m
Misc : op59852,g8g2704,5.2,,,10,1
ALS Vial : 82 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(21) Endrin Aldehyde (B)

7.661min 2.467 PPB

response 122112997

(21) Endrin Aldehyde #2 (B)

9.521min 1.716 PPB

response 250759557

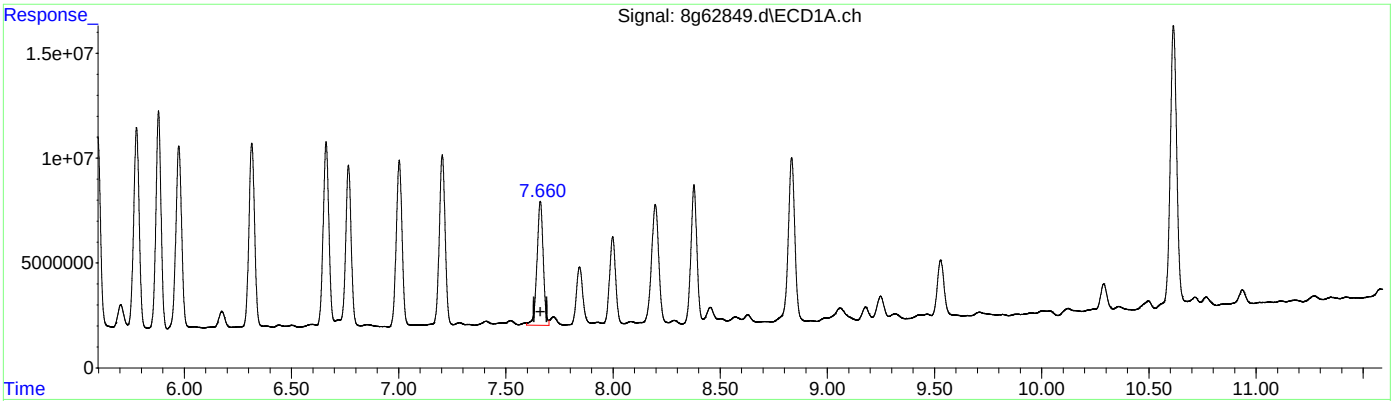
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:35:13 2024

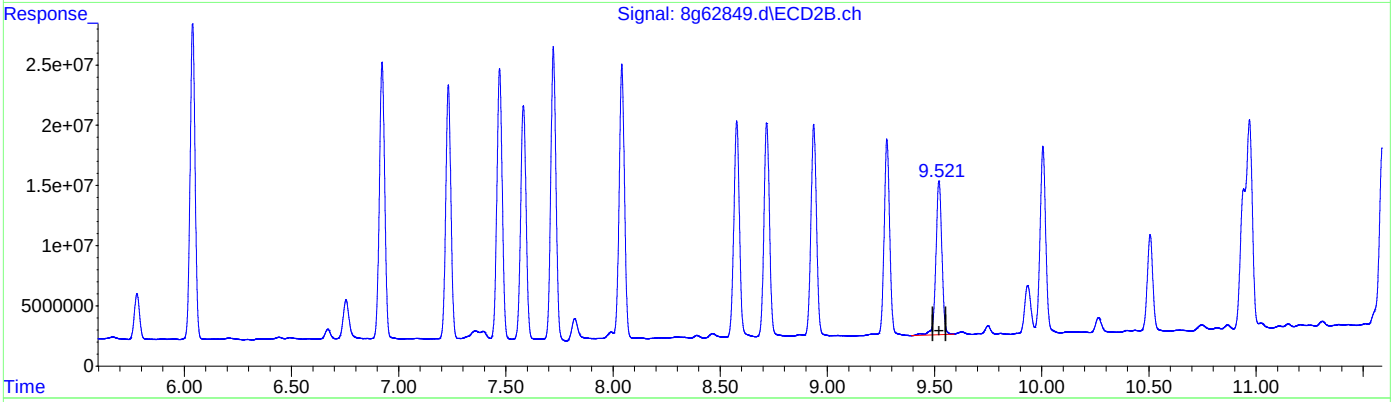
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62849.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 5:01 pm
Operator : kyrac
Sample : op59852-ms m
Misc : op59852,g8g2704,5.2,,,10,1
ALS Vial : 82 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(21) Endrin Aldehyde (B)

7.660min 2.418 PPB m

response 119662771

(21) Endrin Aldehyde #2 (B)

9.521min 1.716 PPB

response 250759557

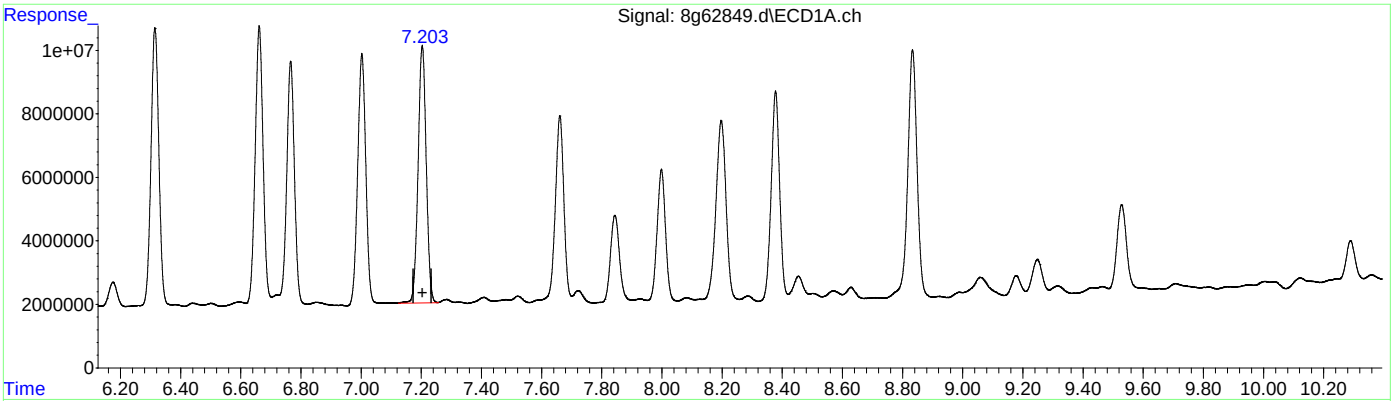
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:35:18 2024

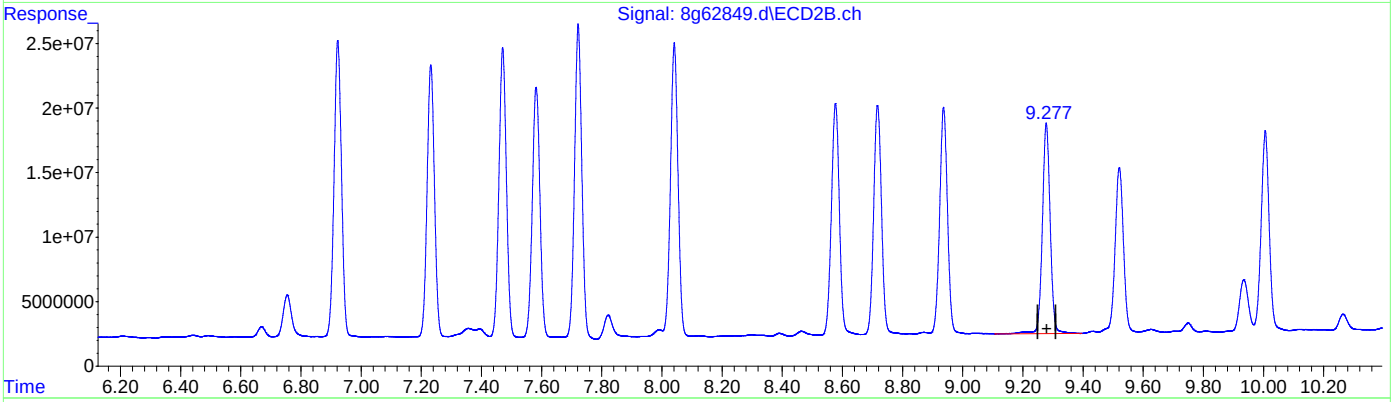
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62849.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 5:01 pm
Operator : kyrac
Sample : op59852-ms m
Misc : op59852,g8g2704,5.2,,,10,1
ALS Vial : 82 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(20) 4,4'-DDT (MA)

7.203min 2.621 PPB

response 152530851

(20) 4,4'-DDT #2 (MA)

9.278min 1.955 PPB

response 296131213

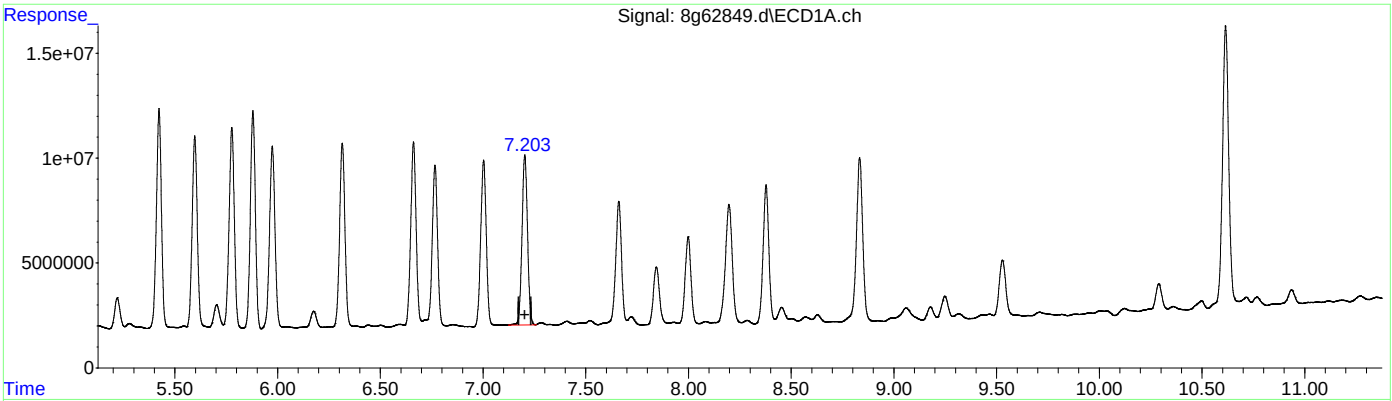
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:35:22 2024

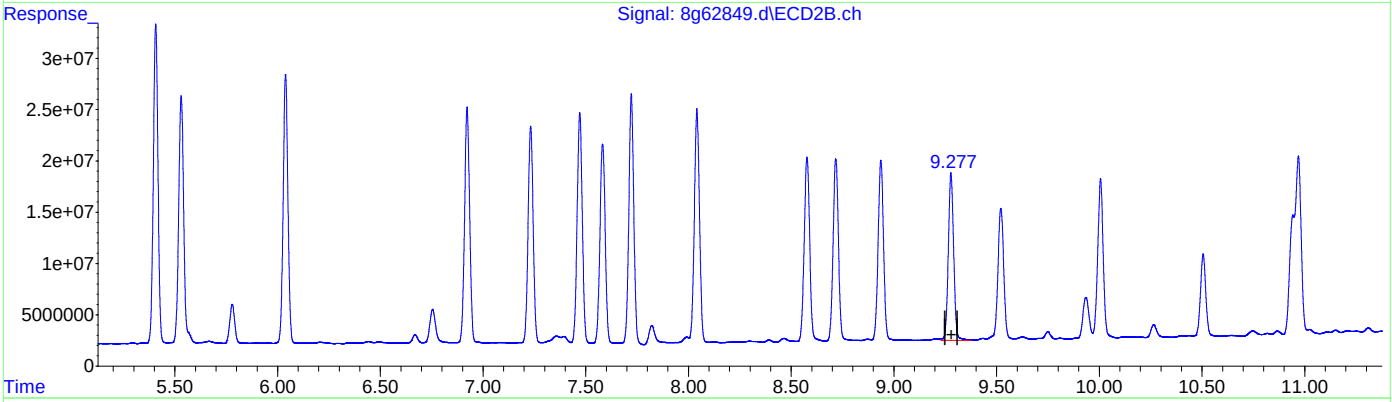
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62849.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 5:01 pm
Operator : kyrac
Sample : op59852-ms m
Misc : op59852,g8g2704,5.2,,,10,1
ALS Vial : 82 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(20) 4,4'-DDT (MA)

7.203min 2.621 PPB

response 152530851

(20) 4,4'-DDT #2 (MA)

9.277min 1.934 PPB m

response 292840708

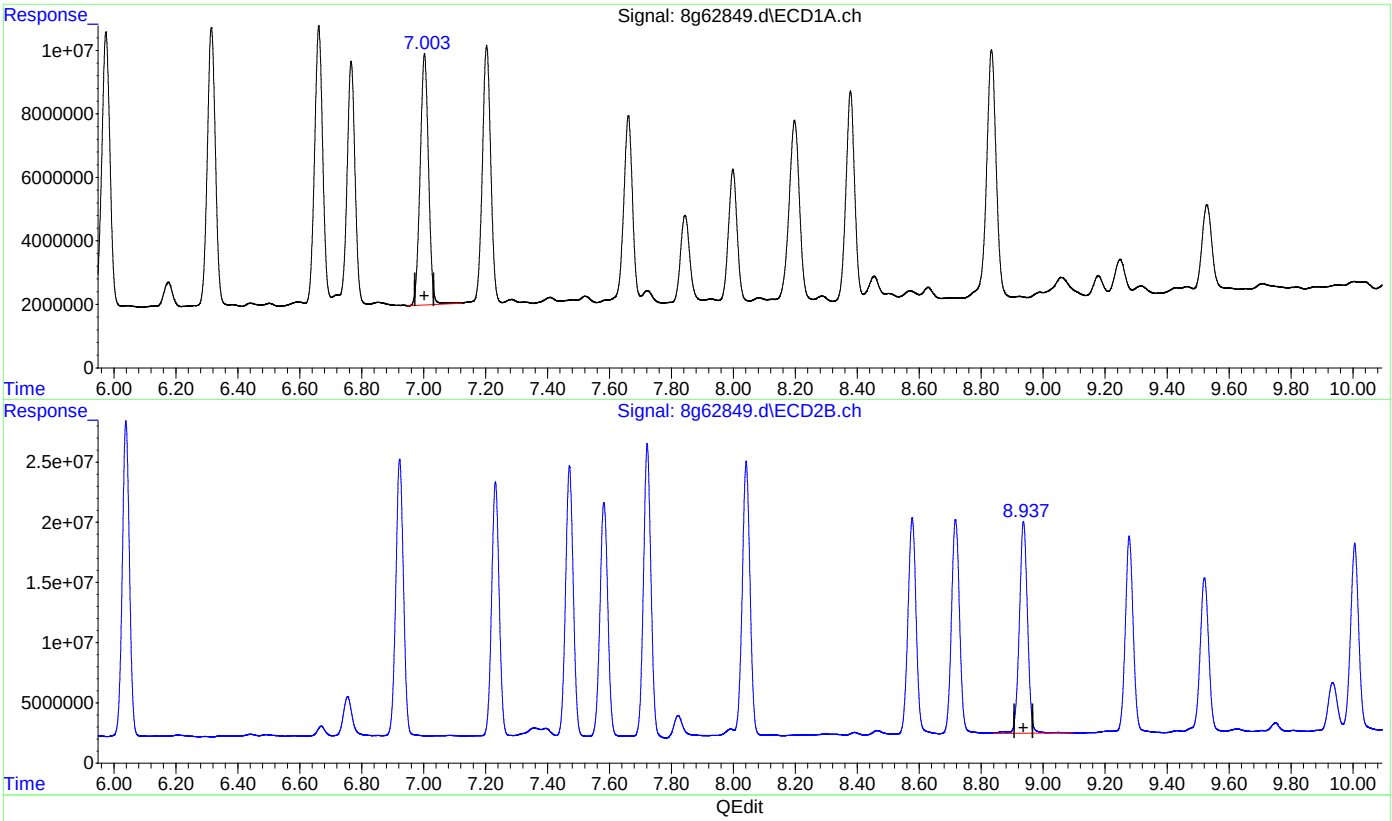
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:35:27 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62849.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 5:01 pm
Operator : kyrac
Sample : op59852-ms m
Misc : op59852,g8g2704,5.2,,,10,1
ALS Vial : 82 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(19) Endosulfan II (B)

7.003min 2.470 PPB

response 148698107

(19) Endosulfan II #2 (B)

8.937min 1.735 PPB

response 322841559

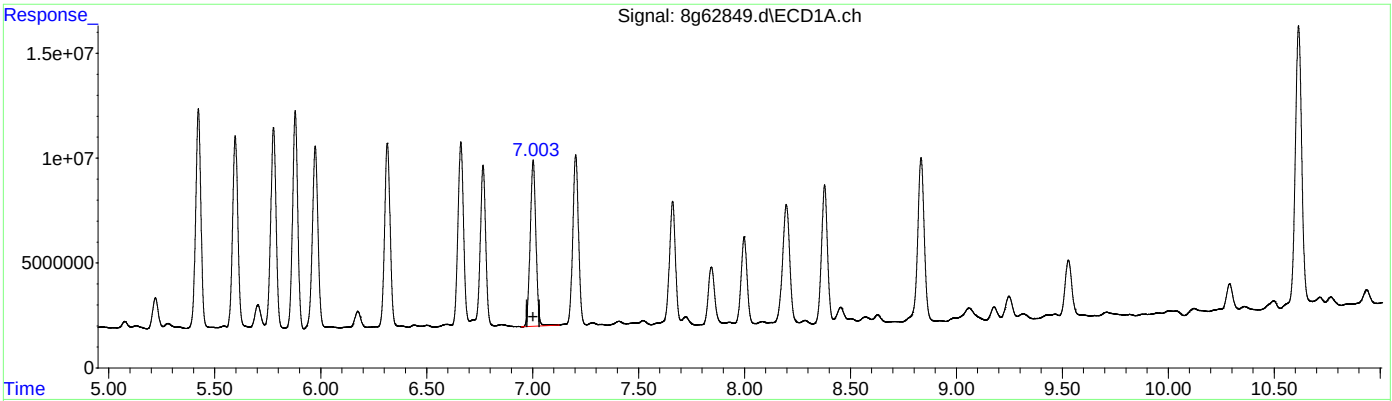
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:35:29 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62849.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 5:01 pm
Operator : kyrac
Sample : op59852-ms m
Misc : op59852,g8g2704,5.2,,,10,1
ALS Vial : 82 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(19) Endosulfan II (B)

7.003min 2.470 PPB

response 148698107

(19) Endosulfan II #2 (B)

8.937min 1.709 PPB m

response 317989532

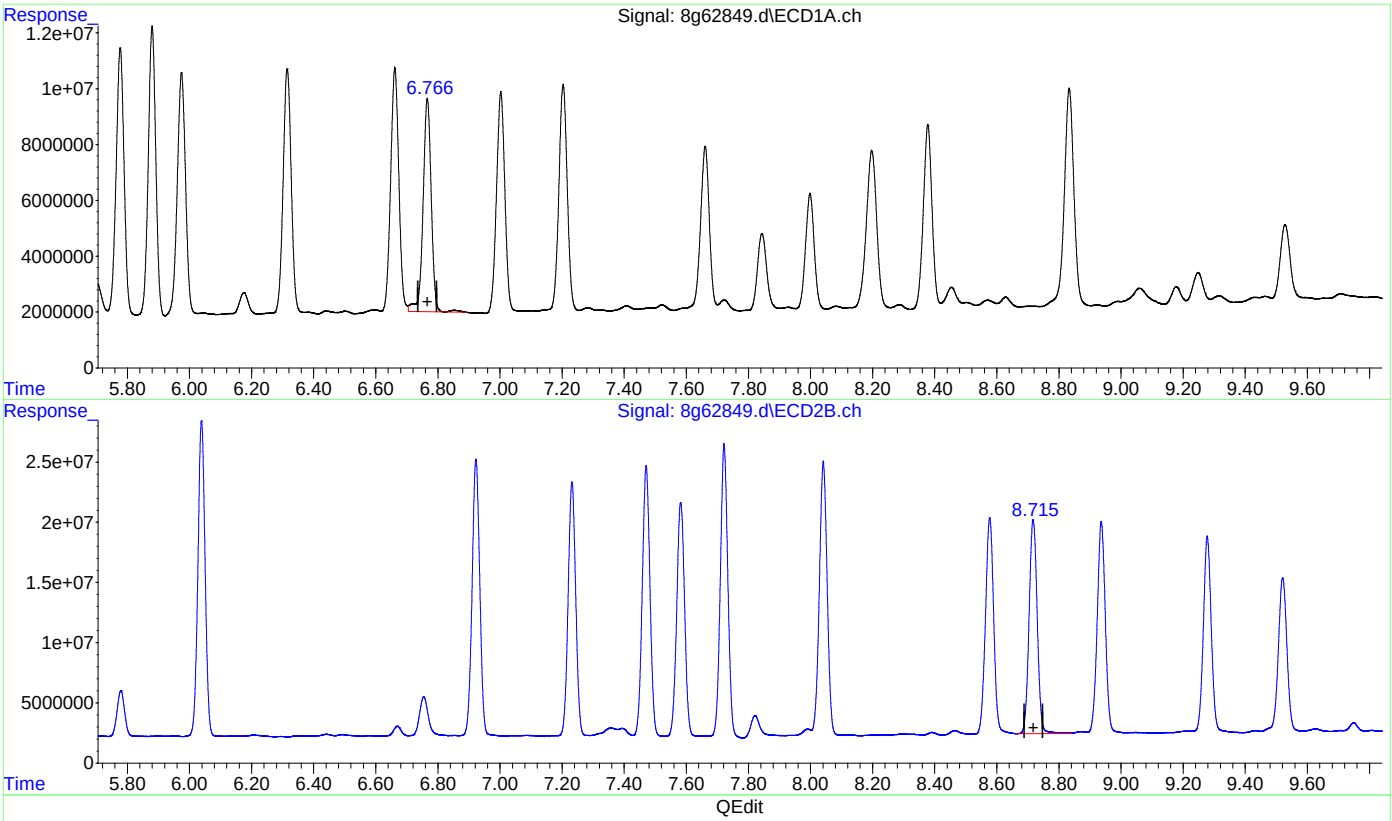
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:35:33 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62849.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 5:01 pm
Operator : kyrac
Sample : op59852-ms m
Misc : op59852,g8g2704,5.2,,,10,1
ALS Vial : 82 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(18) 4,4'-DDD (A)
6.766min 2.435 PPB
response 140425662

(18) 4,4'-DDD #2 (A)
8.717min 1.773 PPB
response 324672189

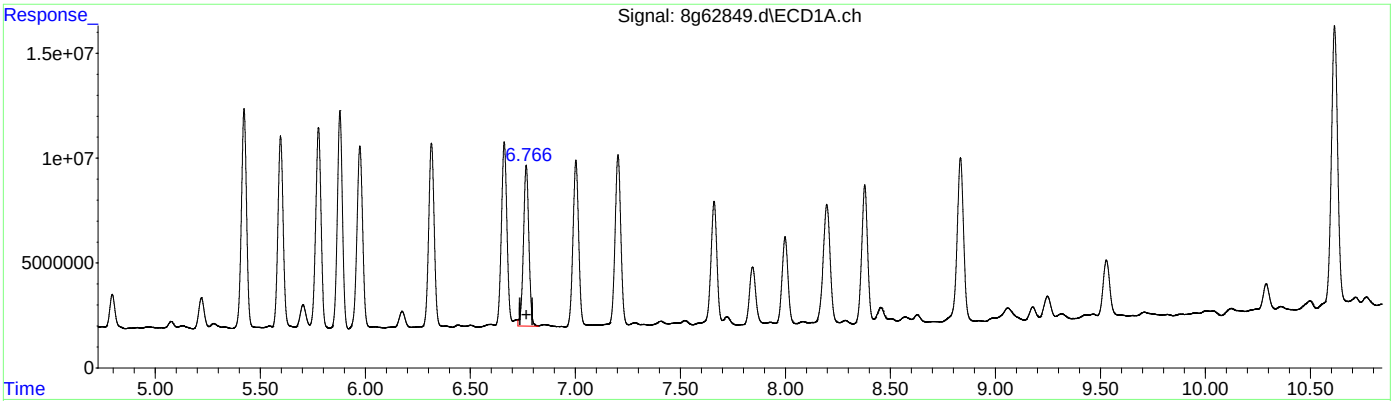
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:35:36 2024

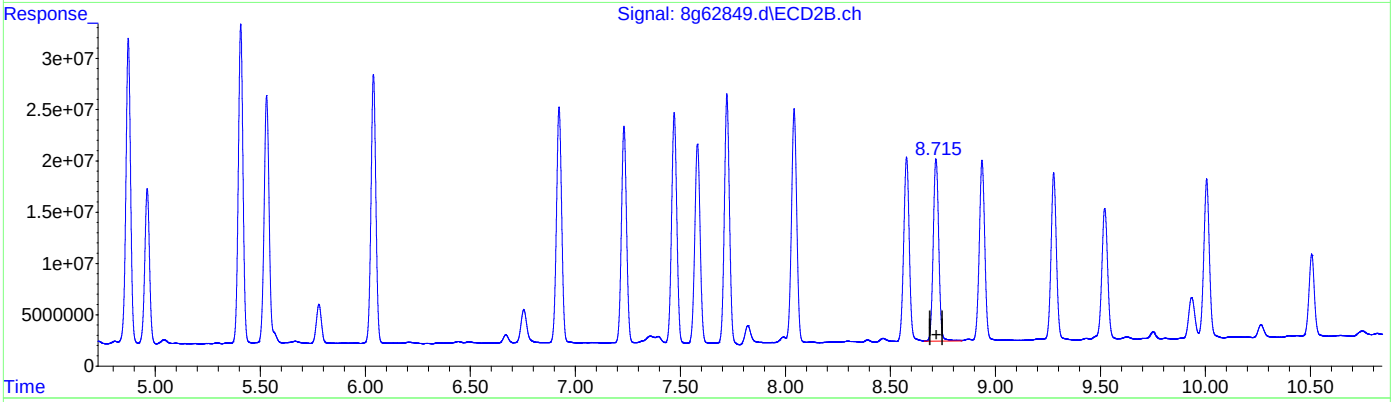
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62849.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 5:01 pm
Operator : kyrac
Sample : op59852-ms m
Misc : op59852,g8g2704,5.2,,,10,1
ALS Vial : 82 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(18) 4,4'-DDD (A)

6.766min 2.380 PPB m

response 137215291

(18) 4,4'-DDD #2 (A)

8.717min 1.773 PPB

response 324672189

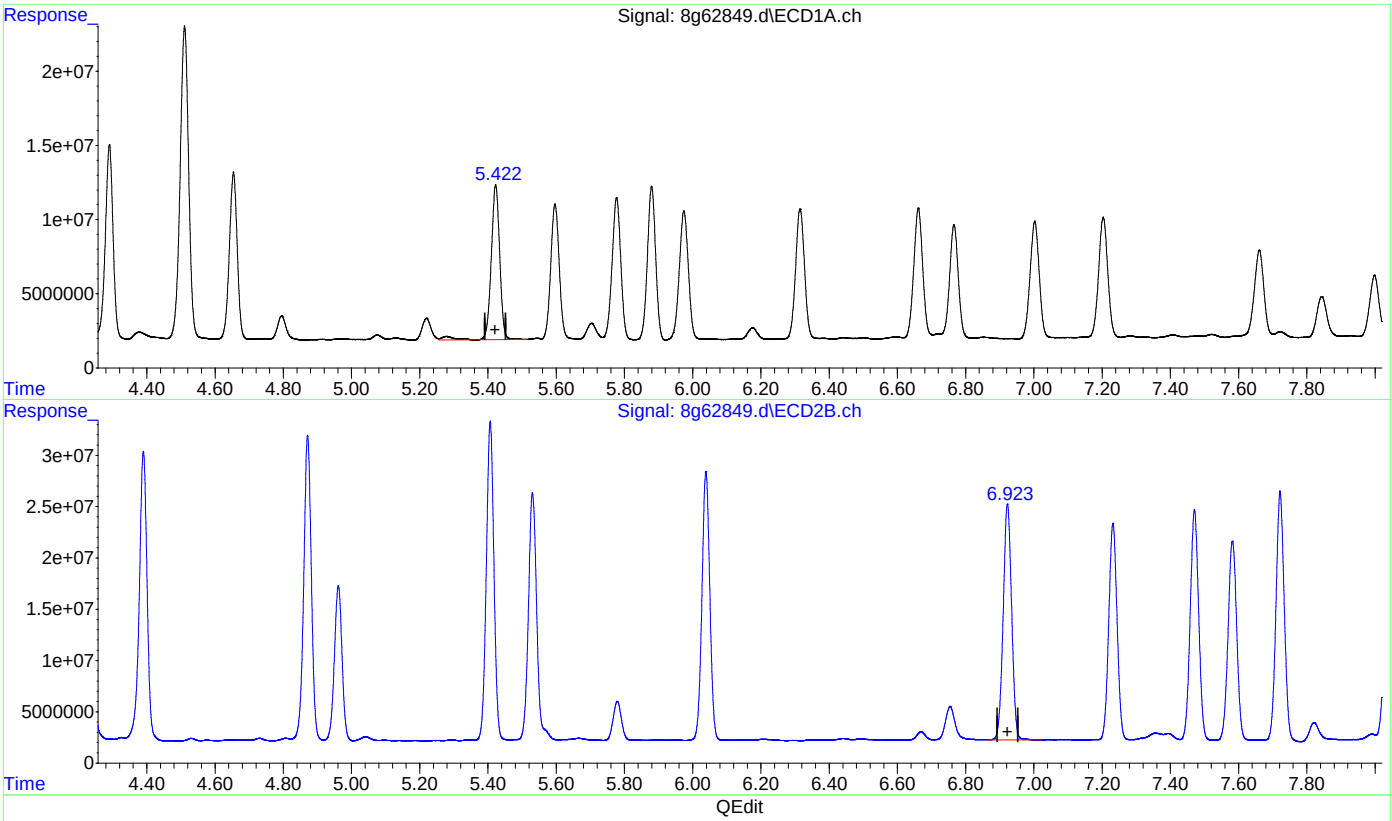
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:35:41 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62849.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 5:01 pm
Operator : kyrac
Sample : op59852-ms m
Misc : op59852,g8g2704,5.2,,,10,1
ALS Vial : 82 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(11) Heptachlor Epoxide (B)

5.423min 2.710 PPB

response 183666046

(11) Heptachlor Epoxide #2 (B)

6.923min 1.812 PPB

response 396365726

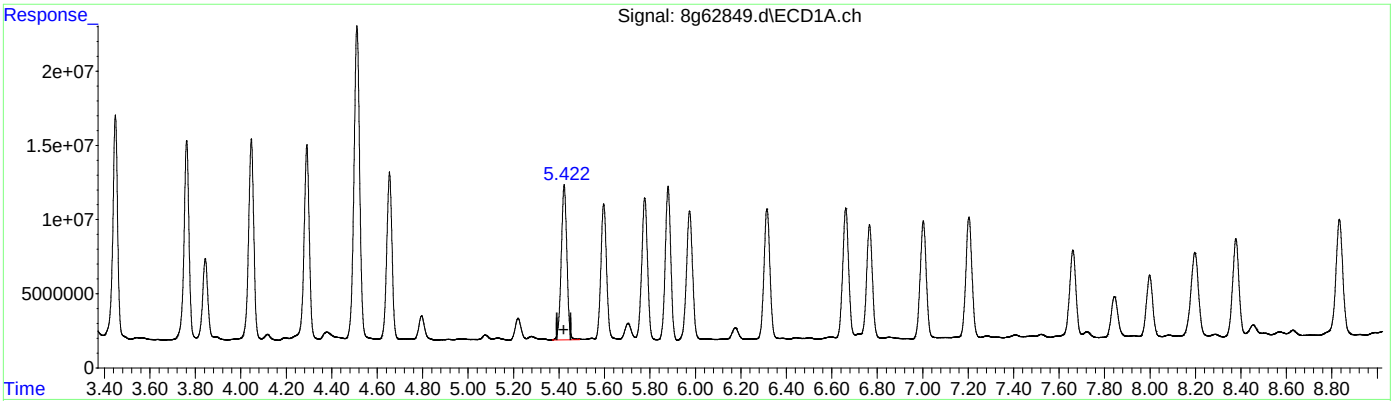
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:35:51 2024

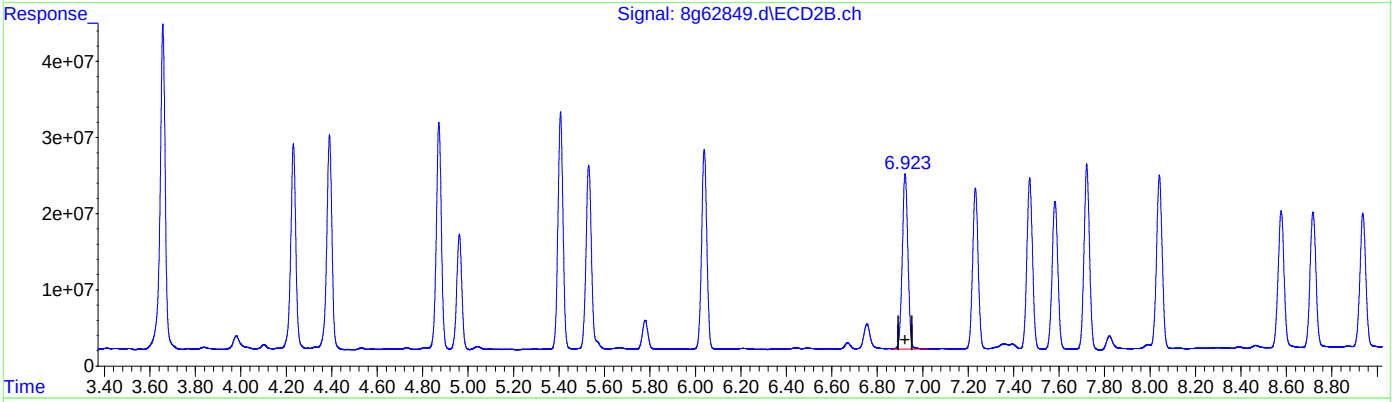
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62849.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 5:01 pm
Operator : kyrac
Sample : op59852-ms m
Misc : op59852,g8g2704,5.2,,,10,1
ALS Vial : 82 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(11) Heptachlor Epoxide (B)

5.422min 2.641 PPB m

response 178996329

(11) Heptachlor Epoxide #2 (B)

6.923min 1.812 PPB

response 396365726

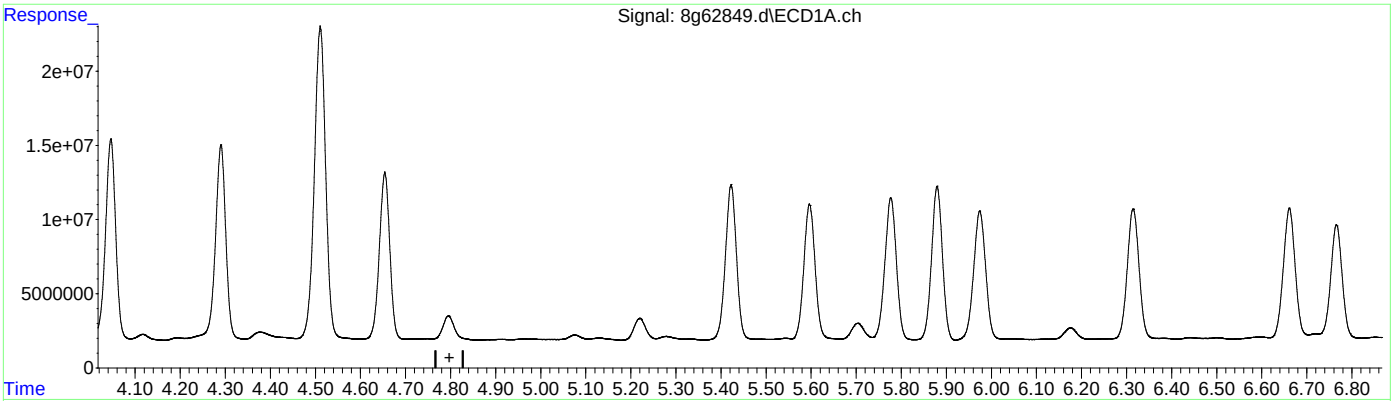
(+) = Expected Retention Time

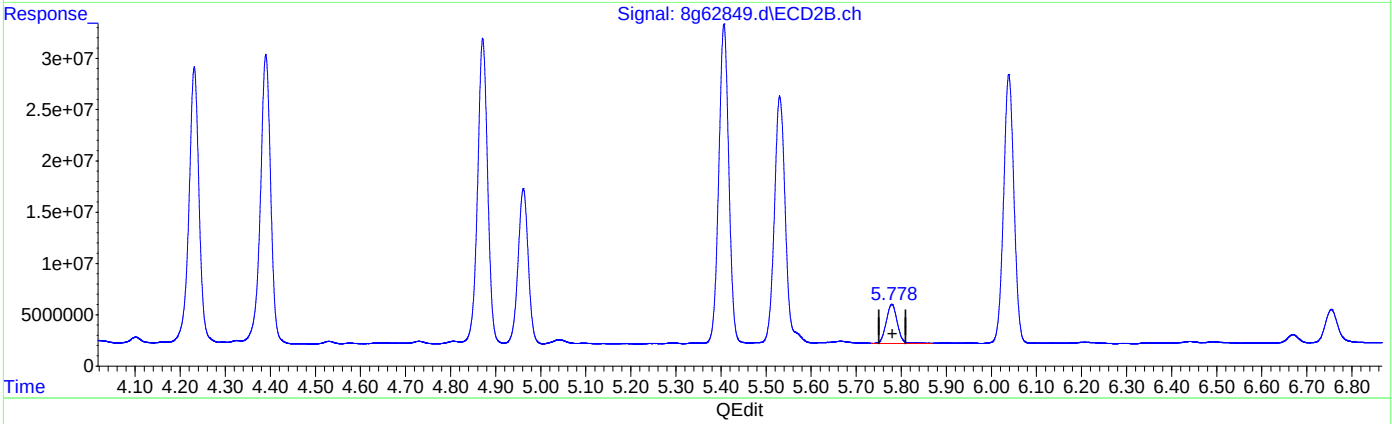
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62849.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 5:01 pm
Operator : kyrac
Sample : op59852-ms m
Misc : op59852,g8g2704,5.2,,,10,1
ALS Vial : 82 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(10) alachlor

0.000min 0.000 PPB

response 0

(10) alachlor #2

5.779min 1.862 PPB

response 64300313

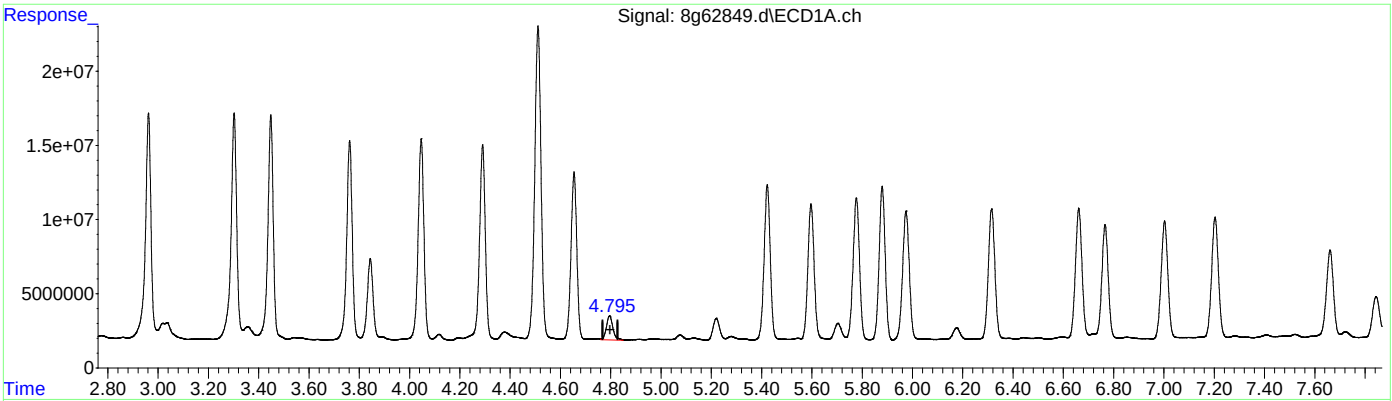
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:35:58 2024

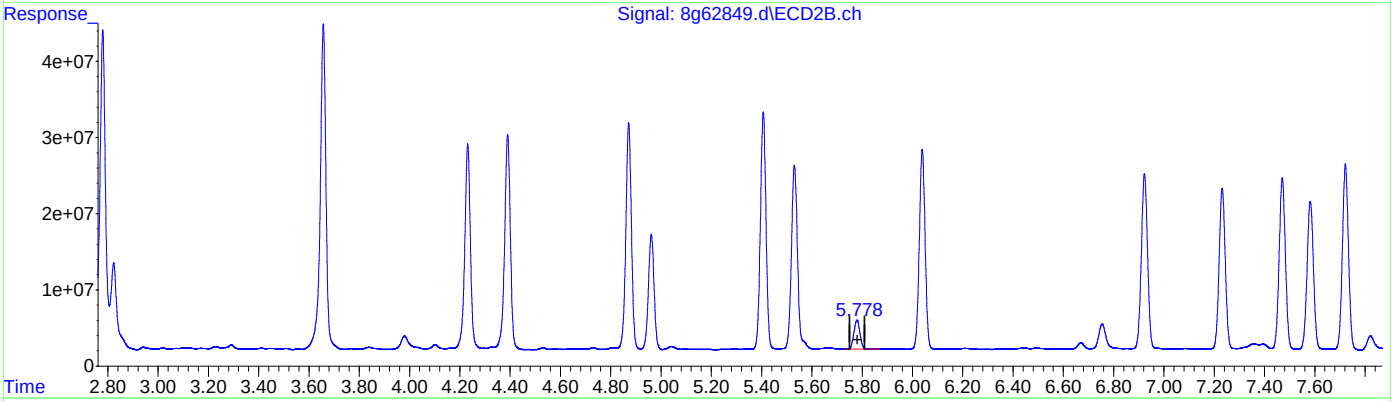
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62849.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 5:01 pm
Operator : kyrac
Sample : op59852-ms m
Misc : op59852,g8g2704,5.2,,,10,1
ALS Vial : 82 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(10) alachlor

4.795min 2.827 PPB m

response 29085481

(10) alachlor #2

5.779min 1.862 PPB

response 64300313

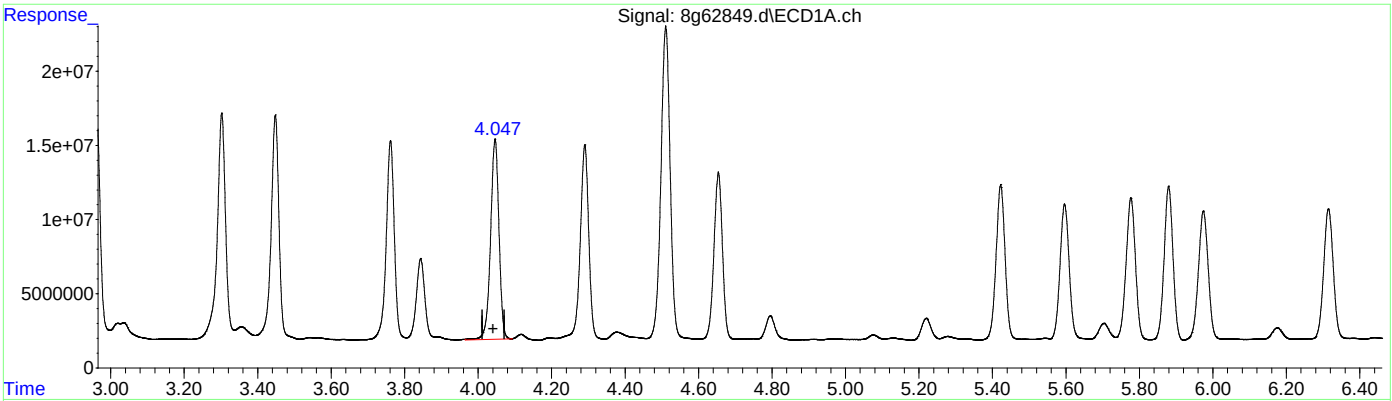
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:36:02 2024

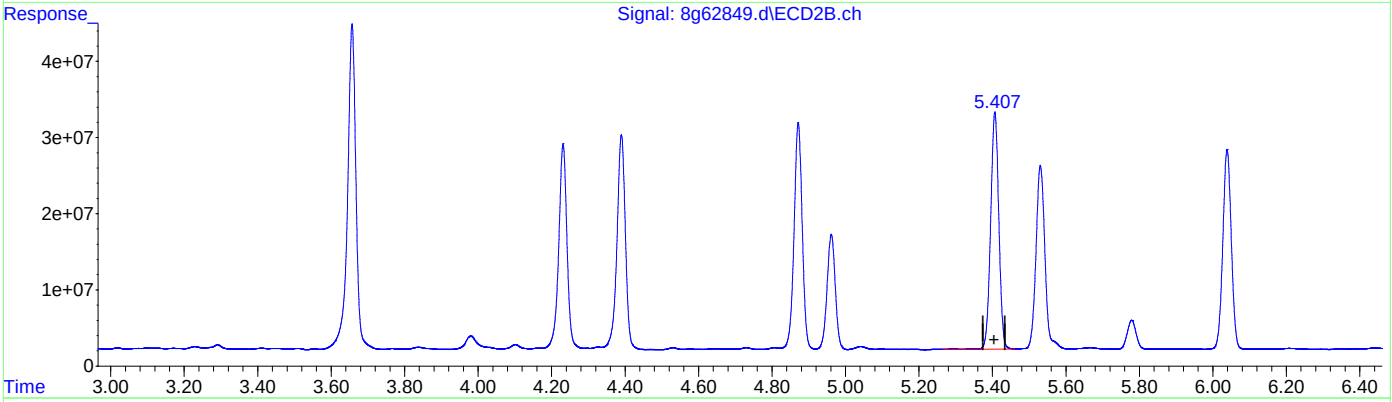
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62849.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 5:01 pm
Operator : kyrac
Sample : op59852-ms m
Misc : op59852,g8g2704,5.2,,,10,1
ALS Vial : 82 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(8) delta-BHC (B)

4.046min 2.837 PPB

response 214816299

(8) delta-BHC #2 (B)

5.407min 1.962 PPB

response 481168781

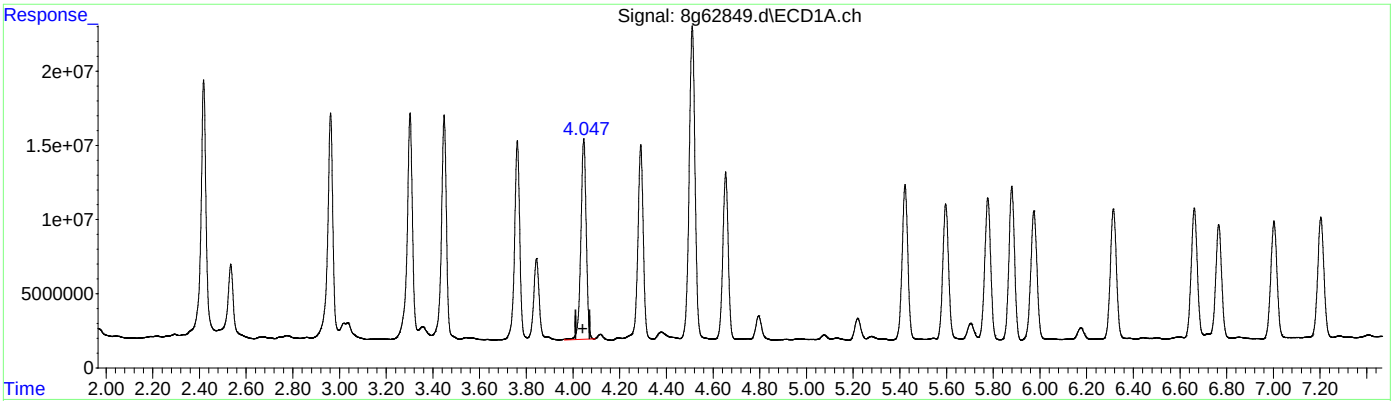
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:36:07 2024

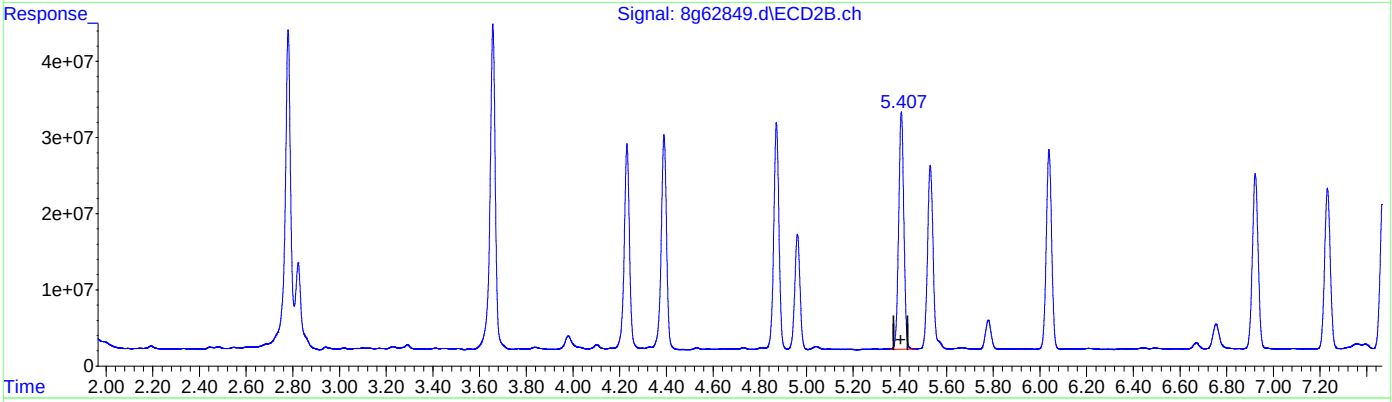
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62849.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 5:01 pm
Operator : kyrac
Sample : op59852-ms m
Misc : op59852,g8g2704,5.2,,,10,1
ALS Vial : 82 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(8) delta-BHC (B)

4.046min 2.837 PPB

response 214816299

(8) delta-BHC #2 (B)

5.407min 1.959 PPB m

response 480564050

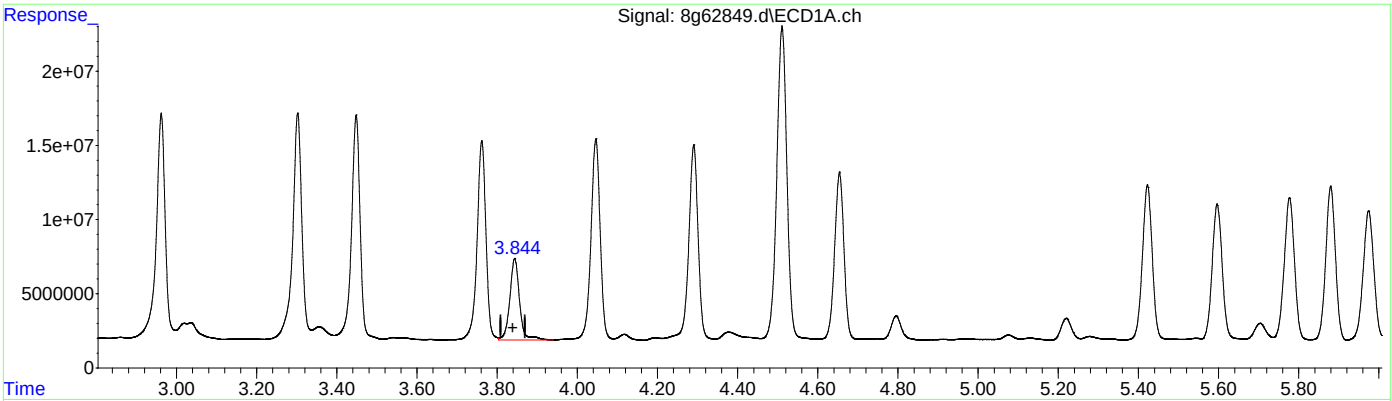
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:36:11 2024

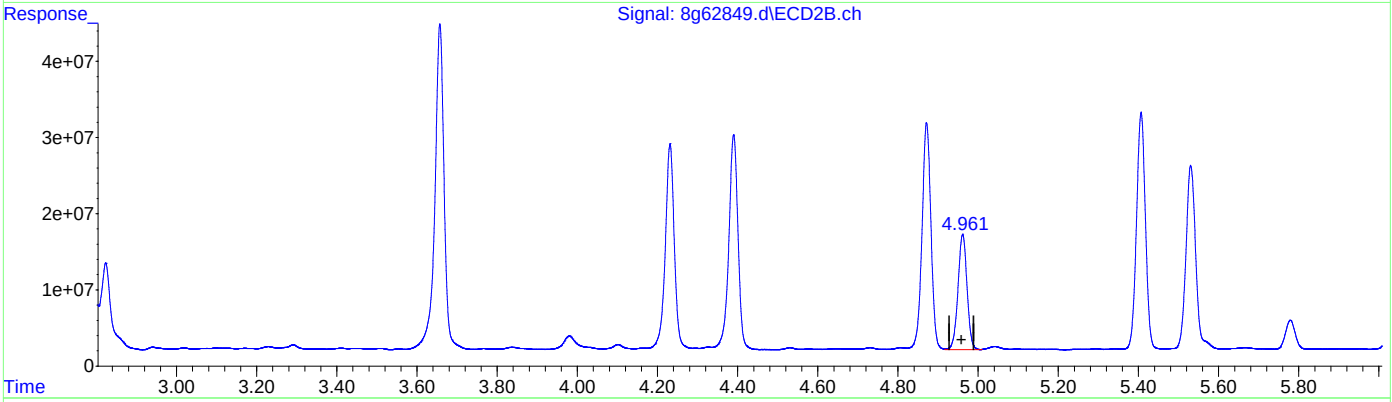
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62849.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 5:01 pm
Operator : kyrac
Sample : op59852-ms m
Misc : op59852,g8g2704,5.2,,,10,1
ALS Vial : 82 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(7) beta-BHC (B)

3.844min 2.612 PPB

response 93032253

(7) beta-BHC #2 (B)

4.961min 1.830 PPB

response 236428794

(+) = Expected Retention Time

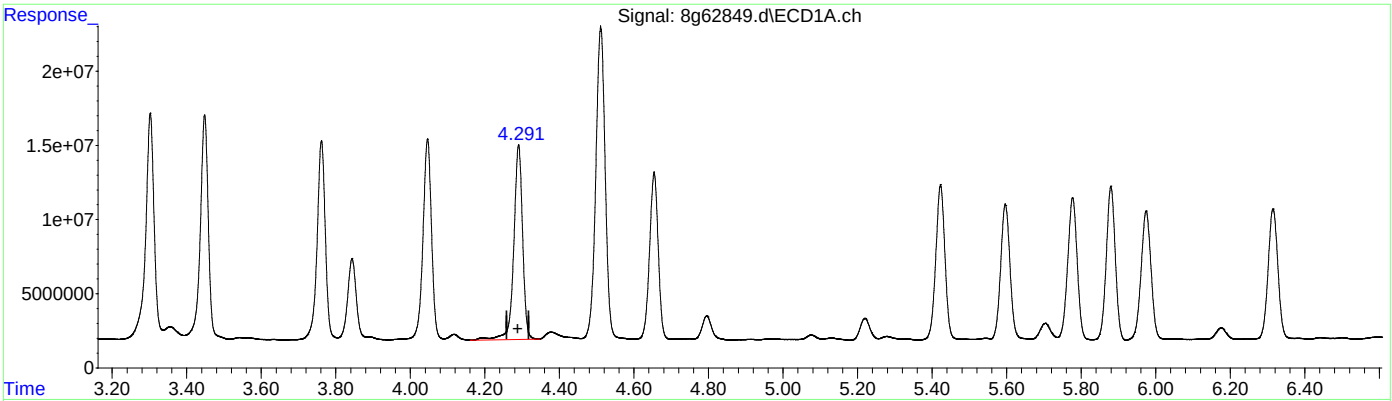
8PSTLVI2596a.M Thu Dec 05 02:36:30 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62849.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 5:01 pm
Operator : kyrac
Sample : op59852-ms m
Misc : op59852,g8g2704,5.2,,,10,1
ALS Vial : 82 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(6) Heptachlor (MA)

4.290min 2.778 PPB

response 215899125

(6) Heptachlor #2 (MA)

5.531min 1.817 PPB

response 406289243

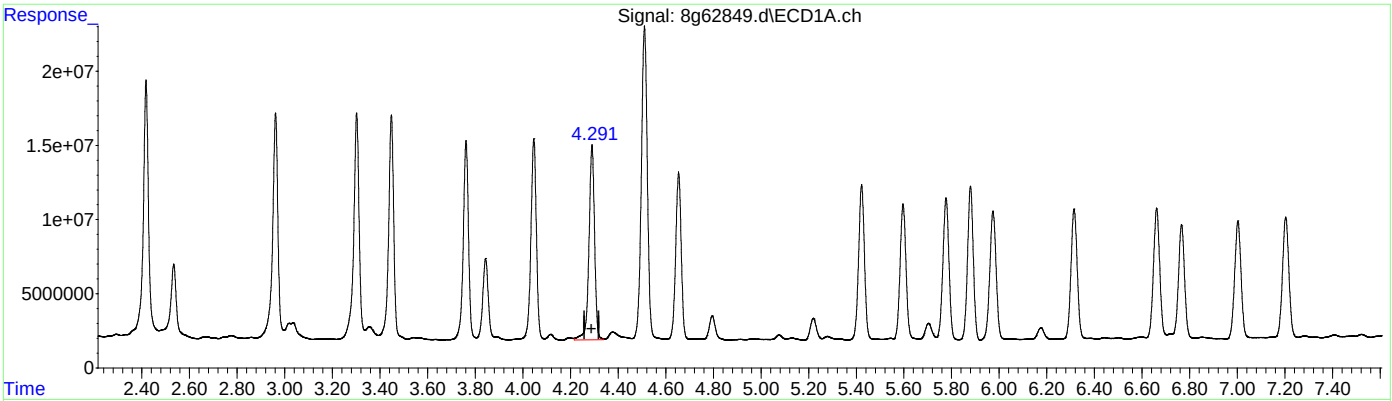
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:36:34 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62849.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 5:01 pm
Operator : kyrac
Sample : op59852-ms m
Misc : op59852,g8g2704,5.2,,,10,1
ALS Vial : 82 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(6) Heptachlor (MA)

4.291min 2.764 PPB m

response 214827687

(6) Heptachlor #2 (MA)

5.531min 1.817 PPB

response 406289243

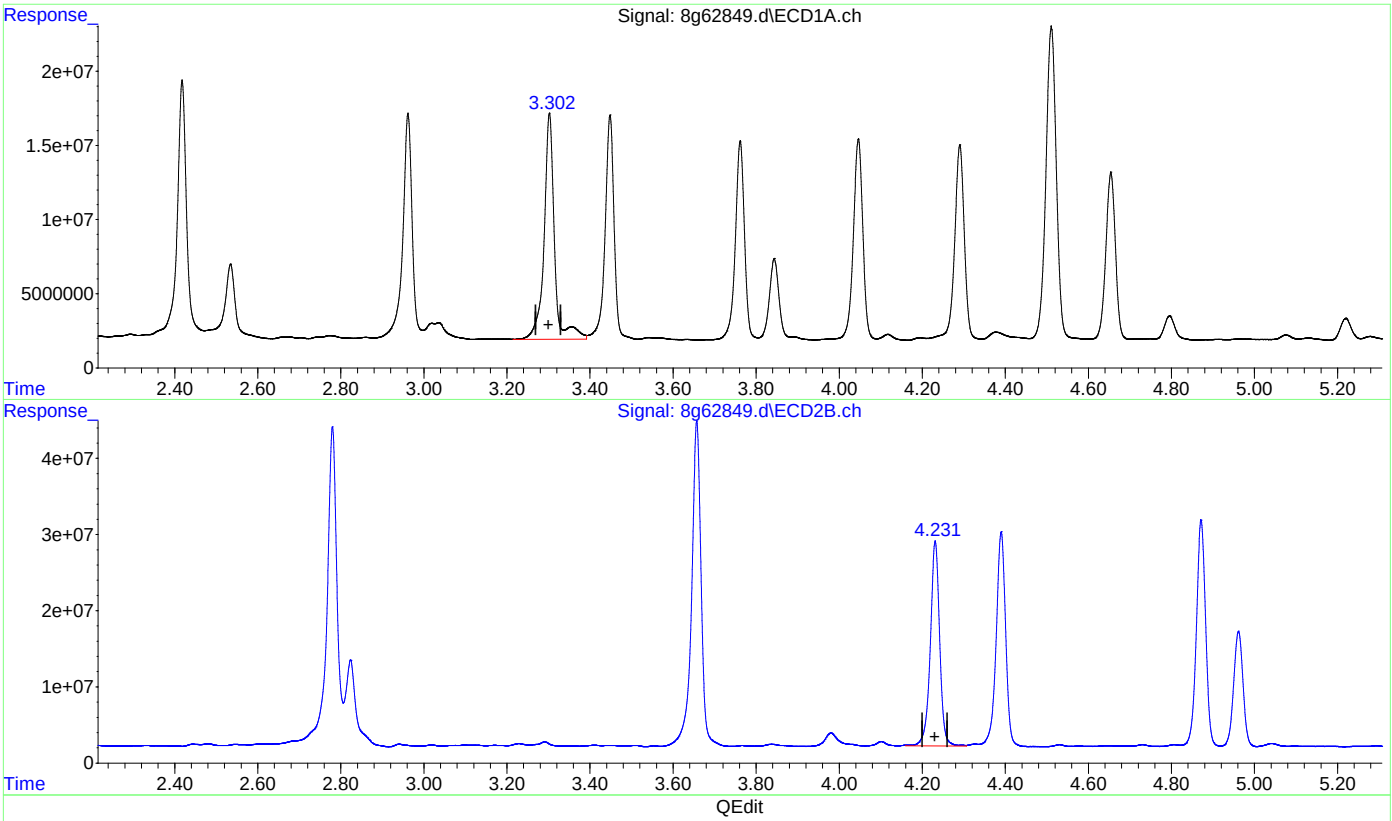
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:36:38 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62849.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 5:01 pm
Operator : kyrac
Sample : op59852-ms m
Misc : op59852,g8g2704,5.2,,,10,1
ALS Vial : 82 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(3) hexachlorobenzene

3.302min 2.908 PPB

response 264019974

(3) hexachlorobenzene #2

4.231min 1.721 PPB

response 422078874

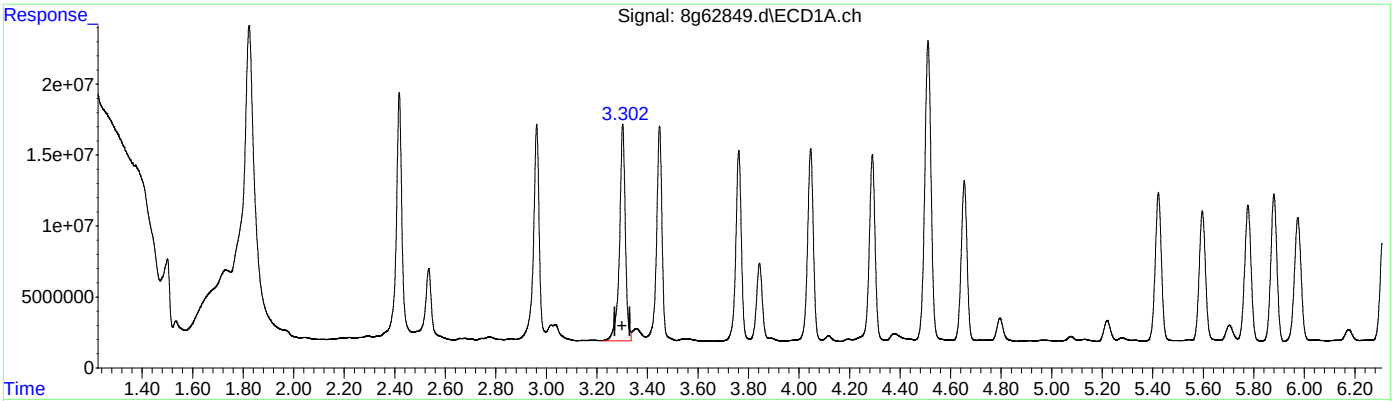
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:36:47 2024

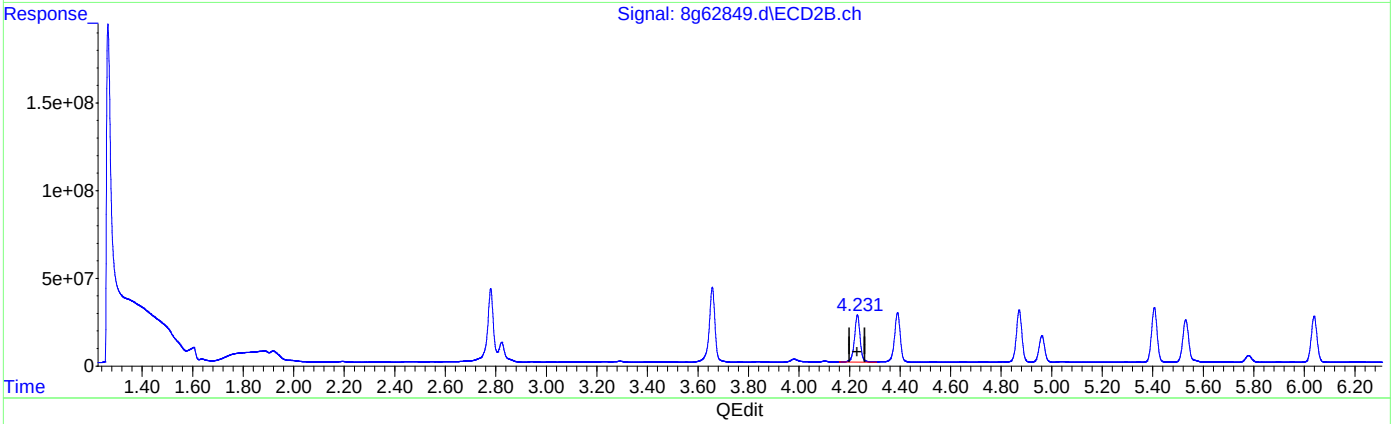
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62849.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 5:01 pm
Operator : kyrac
Sample : op59852-ms m
Misc : op59852,g8g2704,5.2,,,10,1
ALS Vial : 82 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(3) hexachlorobenzene

3.302min 2.699 PPB m

response 245077553

(3) hexachlorobenzene #2

4.231min 1.721 PPB

response 422078874

(+) = Expected Retention Time

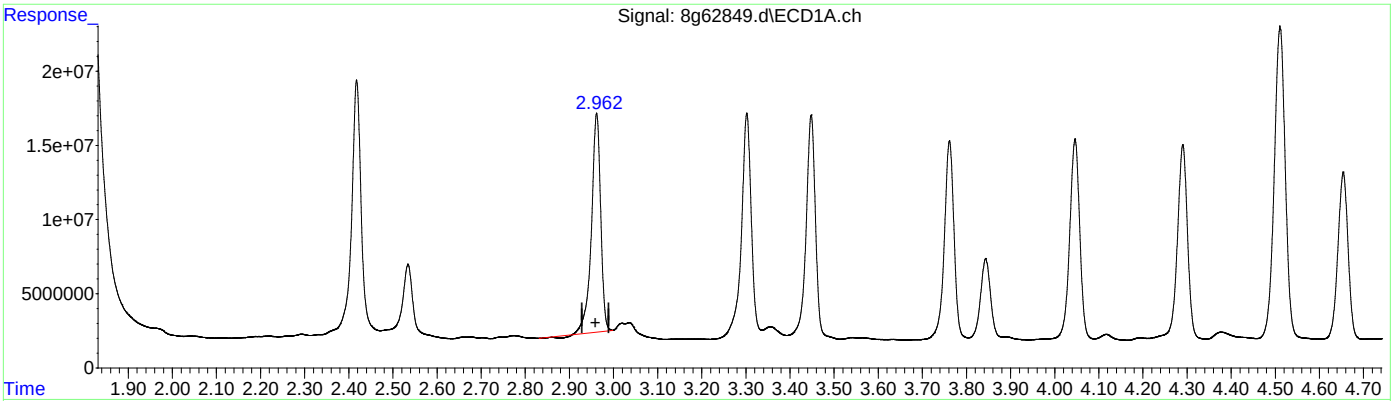
8PSTLVI2596a.M Thu Dec 05 02:36:56 2024

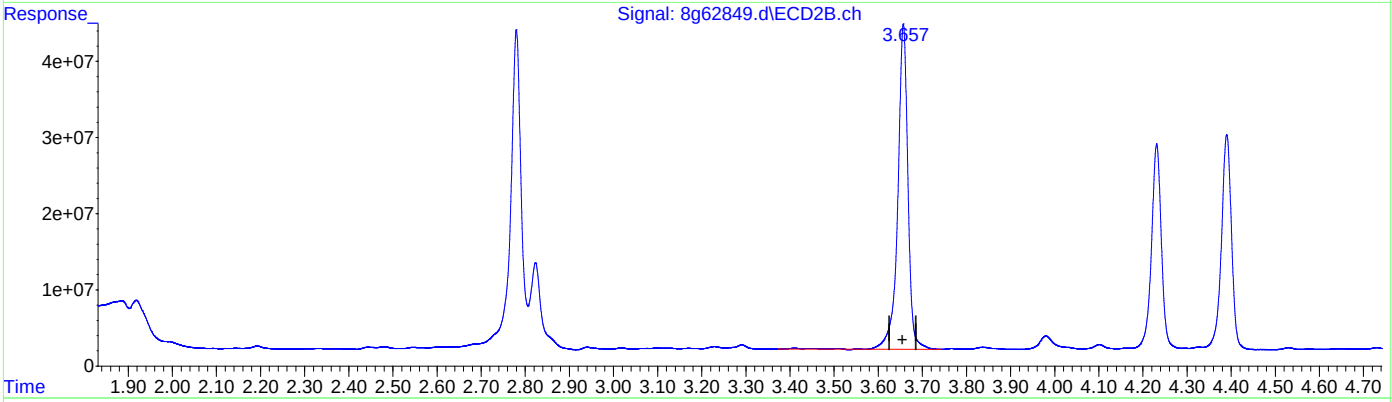
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62849.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 5:01 pm
Operator : kyrac
Sample : op59852-ms m
Misc : op59852,g8g2704,5.2,,,10,1
ALS Vial : 82 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(2) Tetrachloro-m-xylene (SAB)

2.962min 3.705 PPB

response 213561573

(2) Tetrachloro-m-xylene #2 (SAB)

3.657min 2.989 PPB

response 688627262

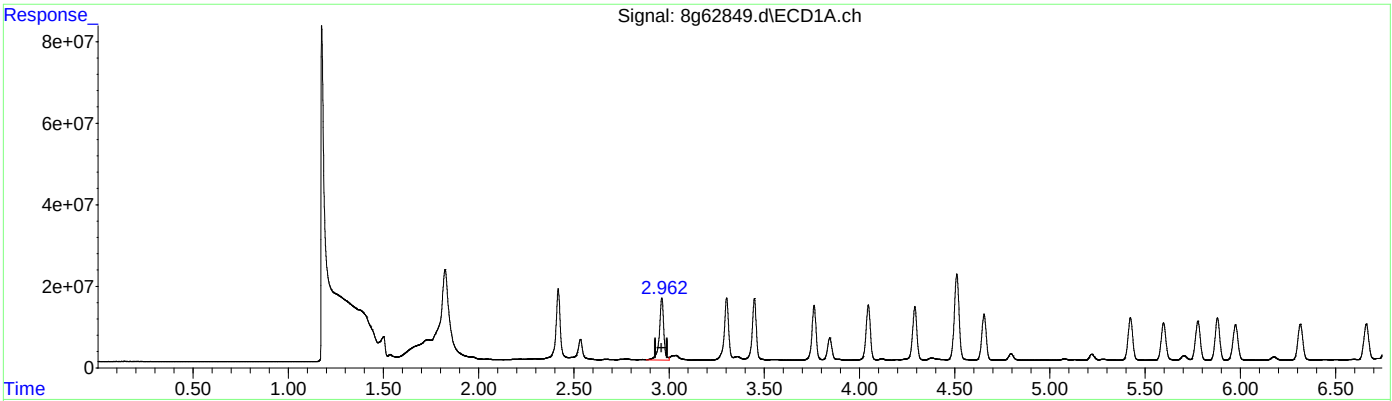
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:36:58 2024

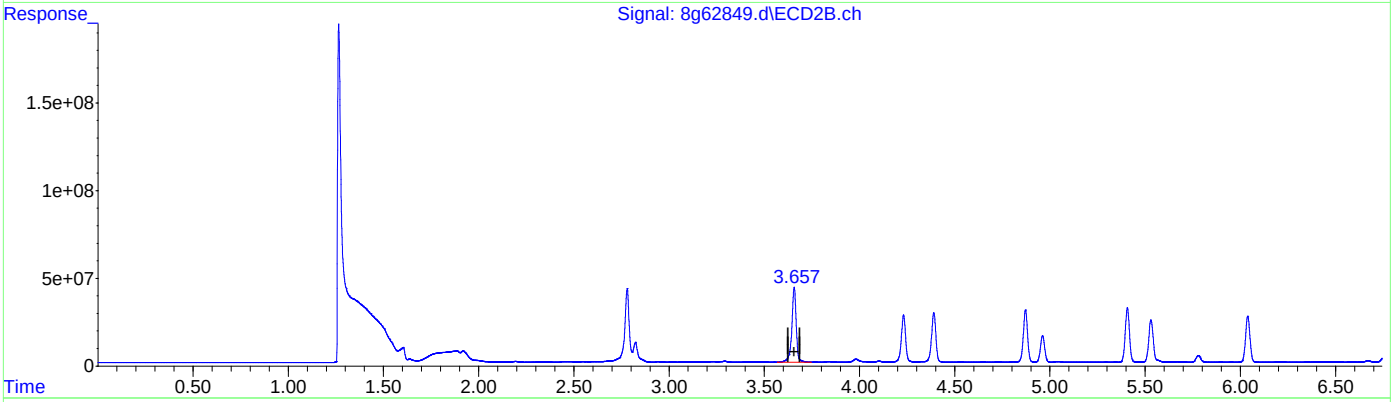
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62849.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 5:01 pm
Operator : kyrac
Sample : op59852-ms m
Misc : op59852,g8g2704,5.2,,,10,1
ALS Vial : 82 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(2) Tetrachloro-m-xylene (SAB)

2.962min 4.252 PPB m

response 245085449

(2) Tetrachloro-m-xylene #2 (SAB)

3.657min 2.977 PPB m

response 685819936

(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:37:08 2024

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 12/05/24 08:41

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62850.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 5:26 pm
Operator : kyrac
Sample : op59852-msd m
Misc : op59852,g8g2704,5.3,,,10,1
ALS Vial : 83 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:39:57 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1)	I 1-bromo-2...	2.416	2.778	309.5E6	963.6E6	5.000	5.000
27)	I 1-bromo-2...	2.416	2.778	309.5E6	963.6E6	5.000	5.000
33)	I 1-bromo-2...	2.416	2.778	309.5E6	963.6E6	5.000	5.000
	System Monitoring Compounds						
2)	SAB Tetrachlo...	2.960	3.655	238.8E6	662.3E6	3.999m	2.806 #
	Spiked Amount 40.000	Range 30 - 150		Recovery =		10.00%#	7.02%#
26)	SA Decachlor...	10.615	12.994	243.9E6	383.4E6	4.246m	2.871 #
	Spiked Amount 40.000			Recovery =		10.62%	7.18%
	Target Compounds						
3)	hexachlor...	3.301	4.230	240.1E6	413.4E6	2.553	1.645 #
4)	A alpha-BHC	3.446	4.388	220.5E6	519.8E6	2.646	1.772 #
5)	MA gamma-BHC	3.760	4.870	201.2E6	446.0E6	2.575	1.720 #
6)	MA Heptachlor	4.289	5.530	206.4E6	387.0E6	2.564m	1.689 #
7)	B beta-BHC	3.842	4.960	91232726	225.5E6	2.473	1.704 #
8)	B delta-BHC	4.044	5.405	209.5E6	461.0E6	2.671	1.834m#
9)	MB Aldrin	4.652	6.038	174.0E6	403.7E6	2.445	1.702 #
10)	alachlor	4.793	5.778	28291657	61734193	2.655m	1.745 #
11)	B Heptachlo...	5.421	6.922	173.6E6	383.0E6	2.473	1.709 #
12)	B gamma-Chl...	5.595	7.232	152.0E6	348.9E6	2.032	1.575
13)	B alpha-Chl...	5.775	7.470	164.4E6	372.5E6	2.359	1.693 #
14)	A Endosulfan I	5.972	7.582	157.8E6	337.5E6	2.423m	1.674 #
15)	B 4,4'-DDE	5.879	7.722	168.3E6	394.4E6	2.360	1.848
16)	MA Dieldrin	6.315	8.040	165.7E6	383.9E6	2.336	1.683m#
17)	MA Endrin	6.660	8.576	156.1E6	323.0E6	2.792	1.966 #
18)	A 4,4'-DDD	6.765	8.717	133.4E6	320.2E6	2.234m	1.707
19)	B Endosulfa...	7.002	8.936	143.0E6	315.5E6	2.293	1.655 #
20)	MA 4,4'-DDT	7.203	9.278	154.4E6	296.6E6	2.561	1.912 #
21)	B Endrin Al...	7.659	9.521	116.4E6	244.0E6	2.271m	1.630 #
22)	B Endosulfa...	8.377	10.006	122.8E6	262.5E6	2.117	1.523 #
23)	A Methoxychlor	7.997	10.506	78404742	139.7E6	2.237m	1.812m
24)	Mirex	8.196	10.941	129.8E6	179.5E6	2.442m	1.624m#
25)	B Endrin Ke...	8.833	10.969	164.5E6	333.3E6	2.240	1.416m#

SemiQuant Compounds - Not Calibrated on this Instrument

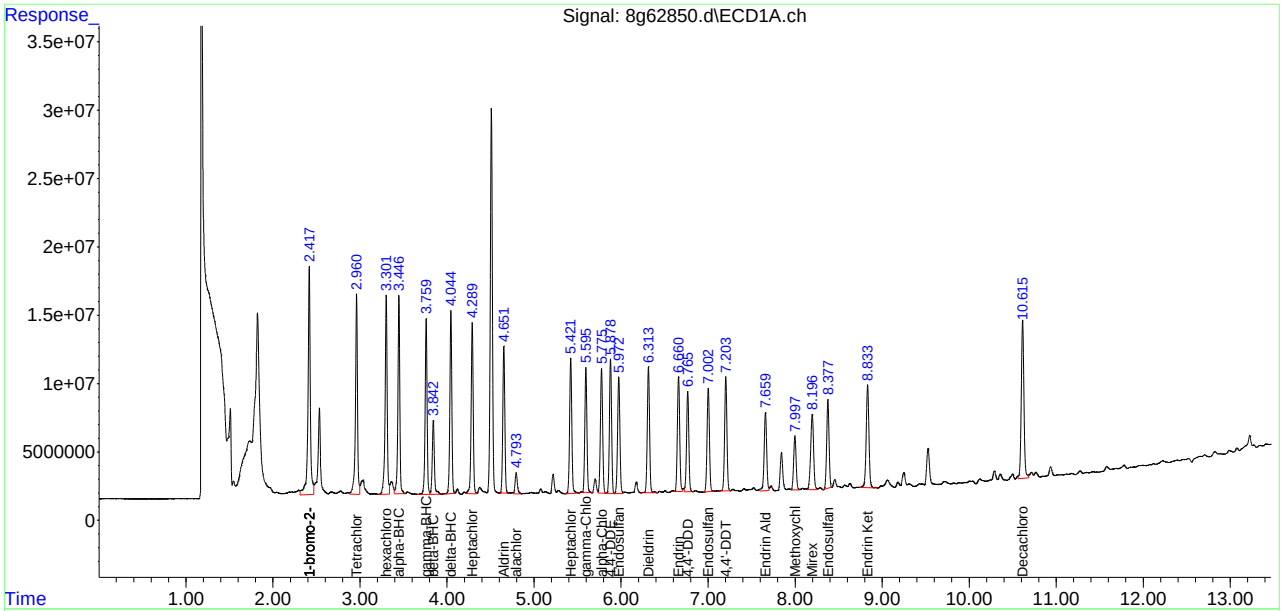
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

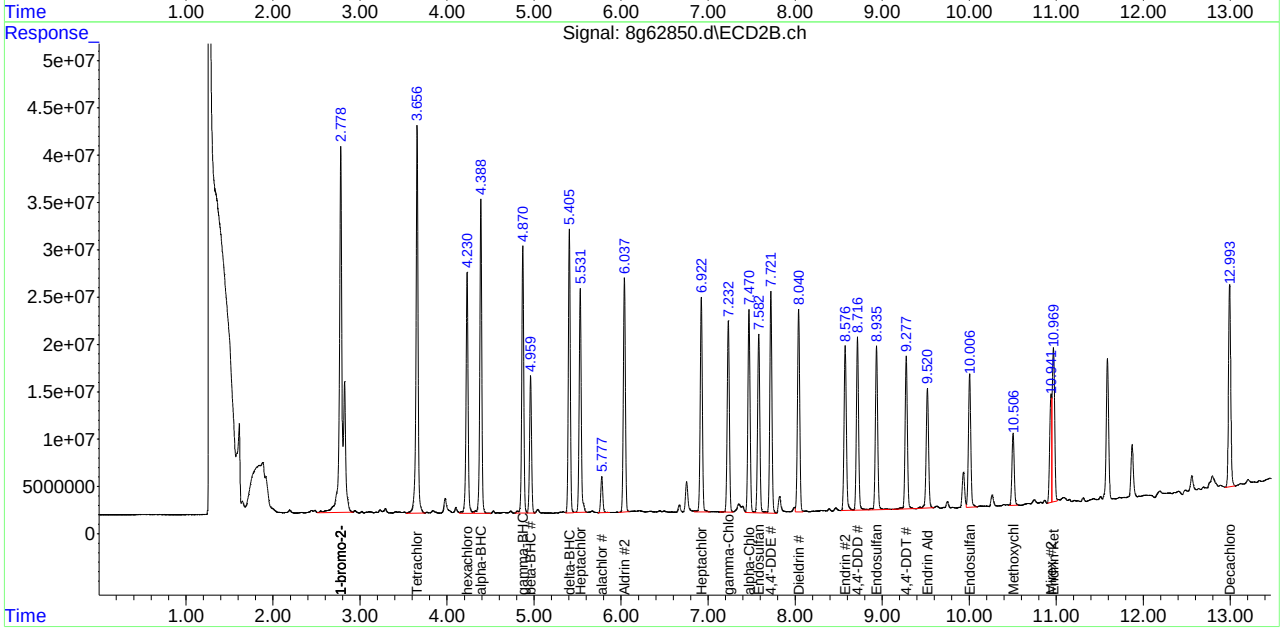
Quantitation Report (QT Reviewed)

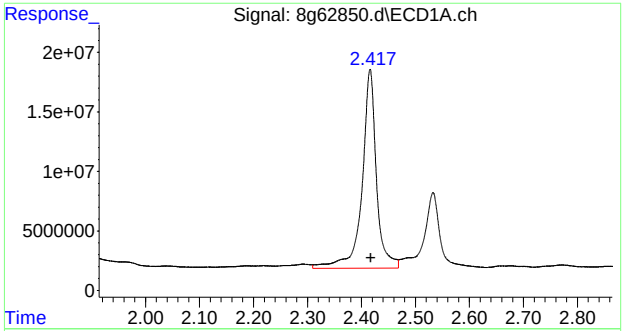
Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62850.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 5:26 pm
Operator : kyrac
Sample : op59852-msd m
Misc : op59852,g8g2704,5.3,,,10,1
ALS Vial : 83 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:39:57 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

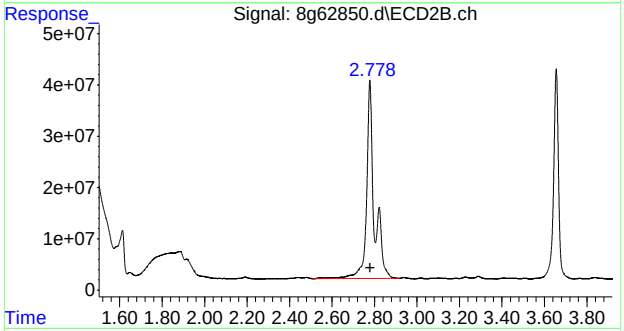






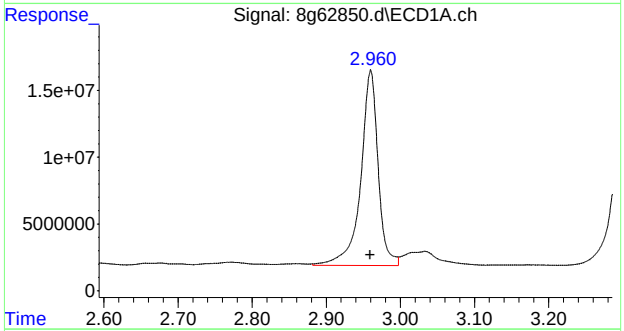
#1 1-bromo-2-nitrobenzene

R.T.: 2.416 min
Delta R.T.: -0.001 min
Response: 309461682
Conc: 5.00 PPB



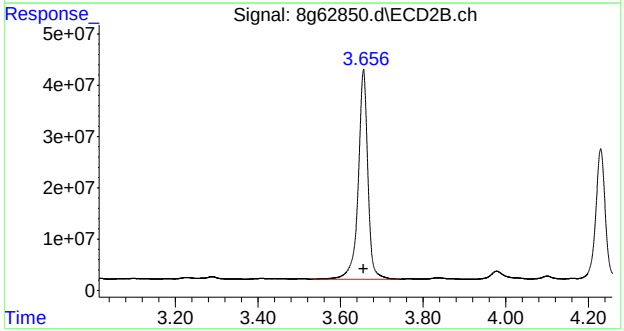
#1 1-bromo-2-nitrobenzene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 963566112
Conc: 5.00 PPB



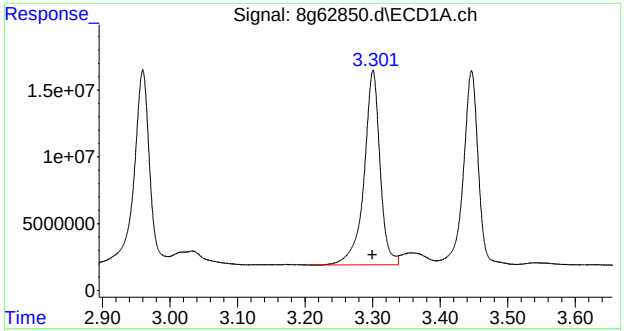
#2 Tetrachloro-m-xylene

R.T.: 2.960 min
Delta R.T.: 0.000 min
Response: 238755493
Conc: 4.00 PPB m



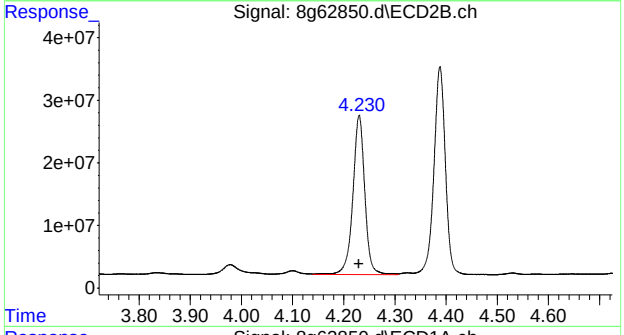
#2 Tetrachloro-m-xylene

R.T.: 3.655 min
Delta R.T.: 0.000 min
Response: 662321419
Conc: 2.81 PPB



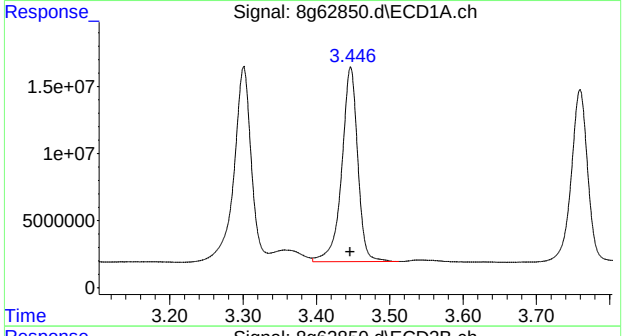
#3 hexachlorobenzene

R.T.: 3.301 min
Delta R.T.: 0.000 min
Response: 240093801
Conc: 2.55 PPB



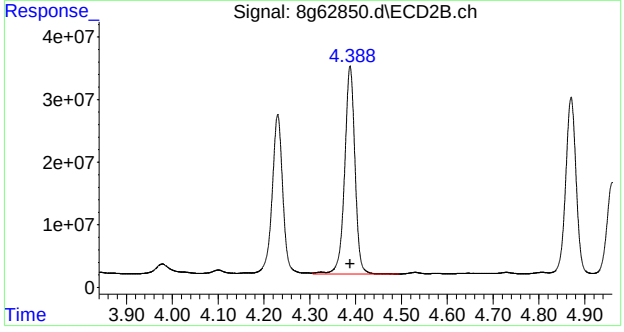
#3 hexachlorobenzene

R.T.: 4.230 min
Delta R.T.: 0.000 min
Response: 413354804
Conc: 1.65 PPB



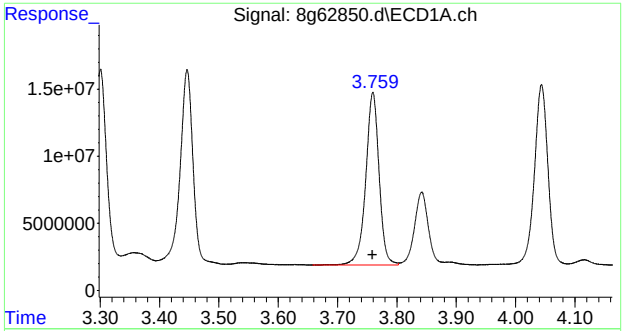
#4 alpha-BHC

R.T.: 3.446 min
Delta R.T.: 0.000 min
Response: 220451744
Conc: 2.65 PPB



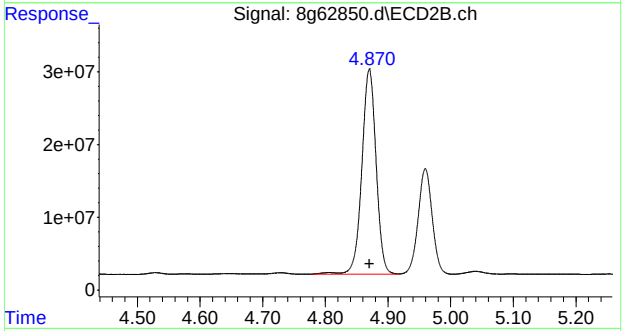
#4 alpha-BHC

R.T.: 4.388 min
Delta R.T.: 0.000 min
Response: 519817674
Conc: 1.77 PPB



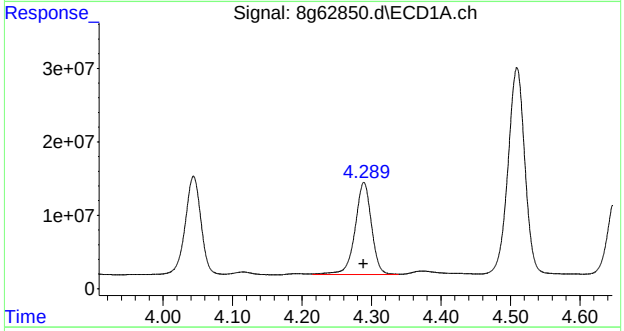
#5 gamma-BHC

R.T.: 3.760 min
Delta R.T.: 0.000 min
Response: 201228160
Conc: 2.58 PPB



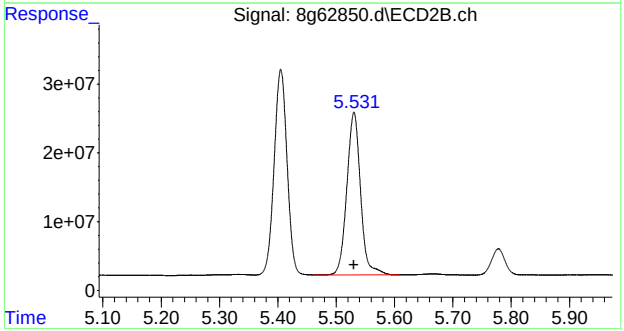
#5 gamma-BHC

R.T.: 4.870 min
Delta R.T.: 0.000 min
Response: 446037062
Conc: 1.72 PPB



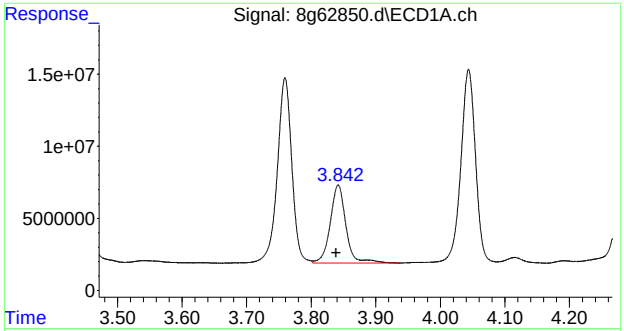
#6 Heptachlor

R.T.: 4.289 min
Delta R.T.: 0.001 min
Response: 206367938
Conc: 2.56 PPB m



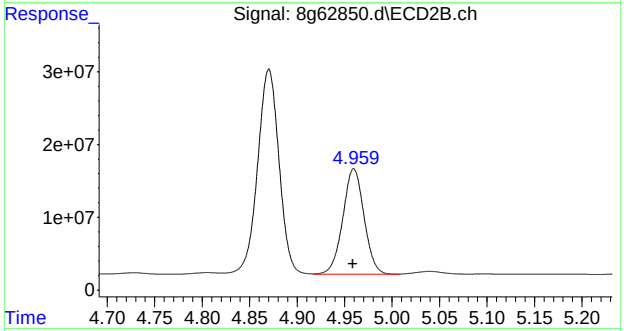
#6 Heptachlor

R.T.: 5.530 min
Delta R.T.: 0.000 min
Response: 386966096
Conc: 1.69 PPB



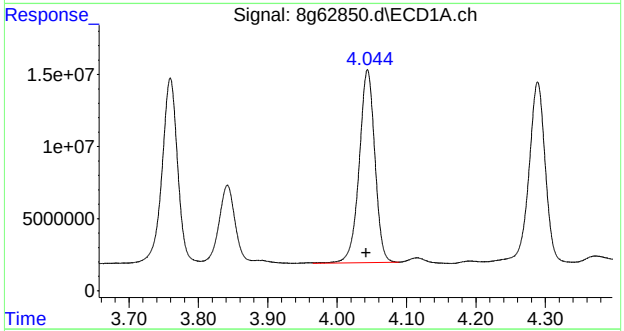
#7 beta-BHC

R.T.: 3.842 min
Delta R.T.: 0.003 min
Response: 91232726
Conc: 2.47 PPB



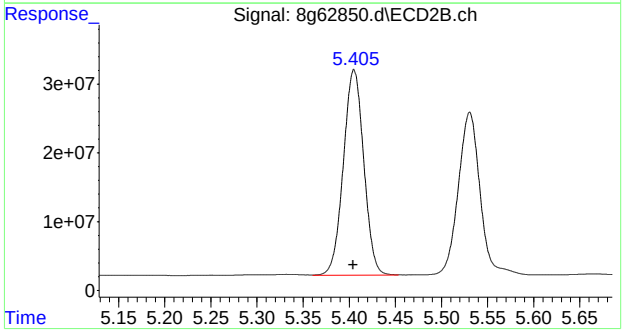
#7 beta-BHC

R.T.: 4.960 min
Delta R.T.: 0.001 min
Response: 225521193
Conc: 1.70 PPB



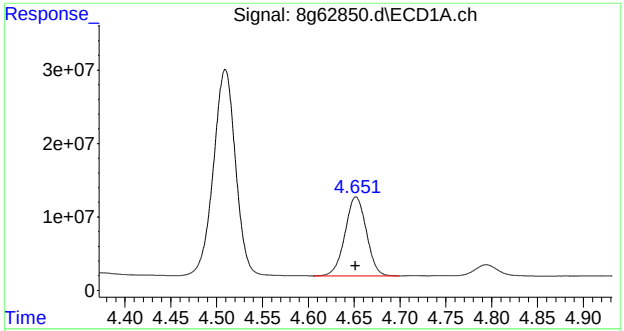
#8 delta-BHC

R.T.: 4.044 min
Delta R.T.: 0.003 min
Response: 209513975
Conc: 2.67 PPB



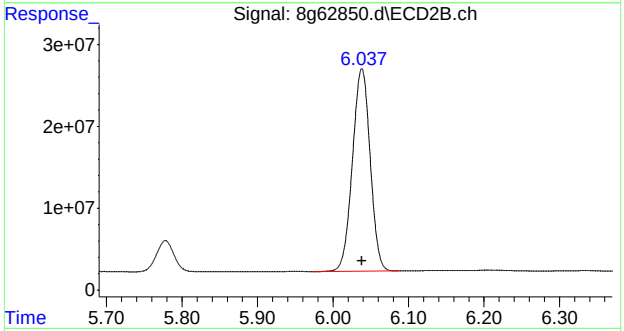
#8 delta-BHC

R.T.: 5.405 min
Delta R.T.: 0.000 min
Response: 460957471
Conc: 1.83 PPB m



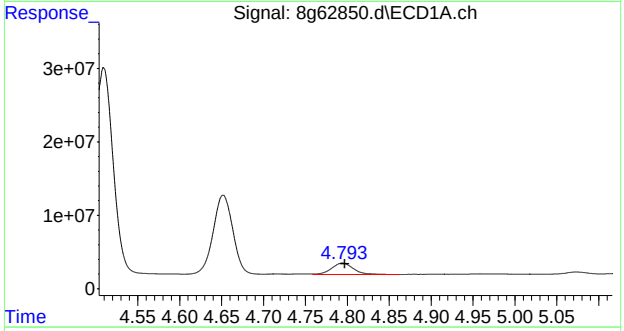
#9 Aldrin

R.T.: 4.652 min
Delta R.T.: 0.000 min
Response: 173957455
Conc: 2.44 PPB



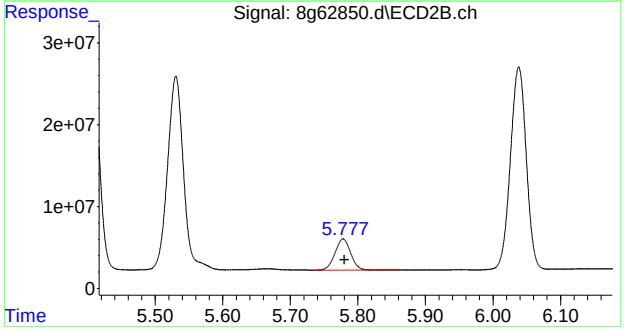
#9 Aldrin

R.T.: 6.038 min
Delta R.T.: 0.000 min
Response: 403682047
Conc: 1.70 PPB



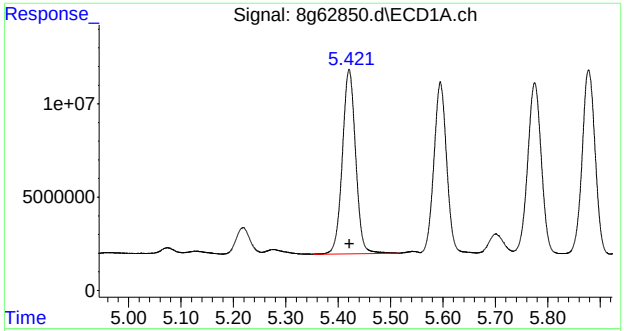
#10 alachlor

R.T.: 4.793 min
Delta R.T.: -0.004 min
Response: 28291657
Conc: 2.65 PPB m



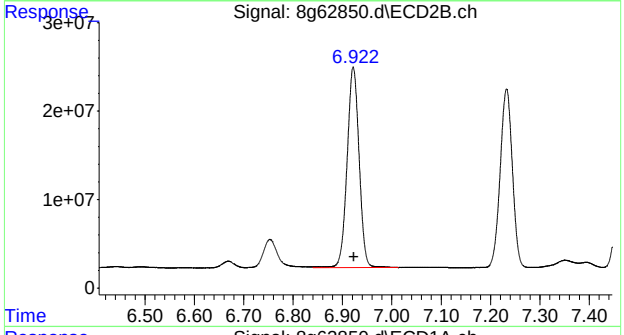
#10 alachlor

R.T.: 5.778 min
Delta R.T.: -0.002 min
Response: 61734193
Conc: 1.74 PPB



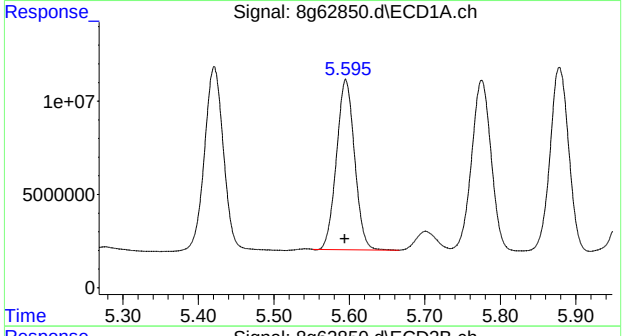
#11 Heptachlor Epoxide

R.T.: 5.421 min
Delta R.T.: 0.000 min
Response: 173625283
Conc: 2.47 PPB



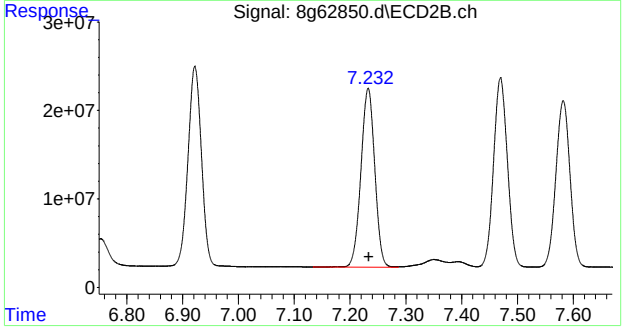
#11 Heptachlor Epoxide

R.T.: 6.922 min
Delta R.T.: 0.000 min
Response: 382955955
Conc: 1.71 PPB



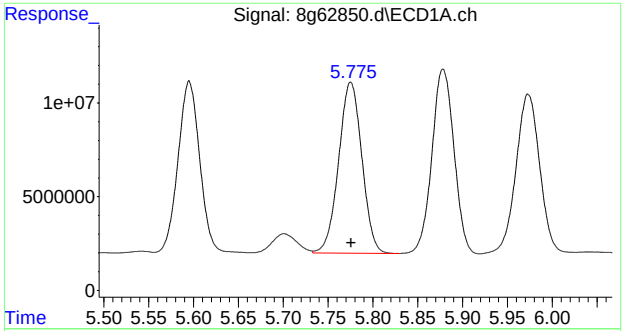
#12 gamma-Chlordane

R.T.: 5.595 min
Delta R.T.: 0.001 min
Response: 152013438
Conc: 2.03 PPB



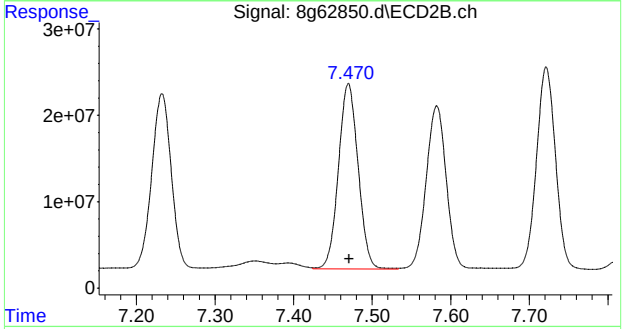
#12 gamma-Chlordane

R.T.: 7.232 min
Delta R.T.: 0.000 min
Response: 348893485
Conc: 1.57 PPB



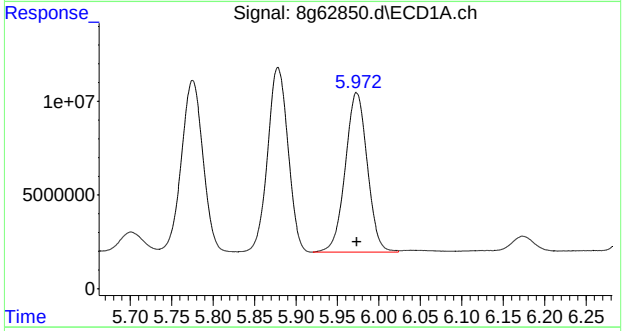
#13 alpha-Chlordane

R.T.: 5.775 min
Delta R.T.: 0.000 min
Response: 164372895
Conc: 2.36 PPB



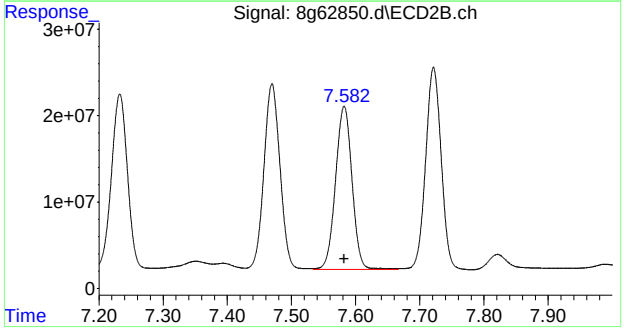
#13 alpha-Chlordane

R.T.: 7.470 min
Delta R.T.: 0.000 min
Response: 372513382
Conc: 1.69 PPB



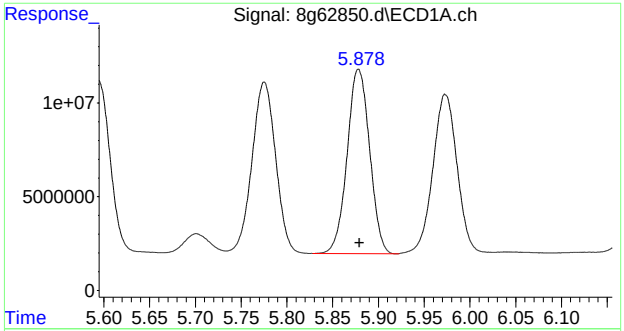
#14 Endosulfan I

R.T.: 5.972 min
Delta R.T.: -0.001 min
Response: 157752715
Conc: 2.42 PPB m



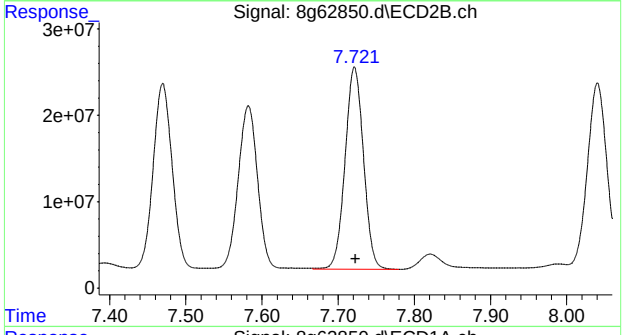
#14 Endosulfan I

R.T.: 7.582 min
Delta R.T.: 0.000 min
Response: 337540449
Conc: 1.67 PPB



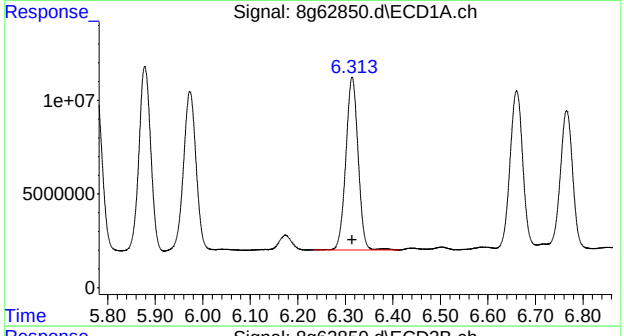
#15 4,4'-DDE

R.T.: 5.879 min
Delta R.T.: 0.000 min
Response: 168349132
Conc: 2.36 PPB



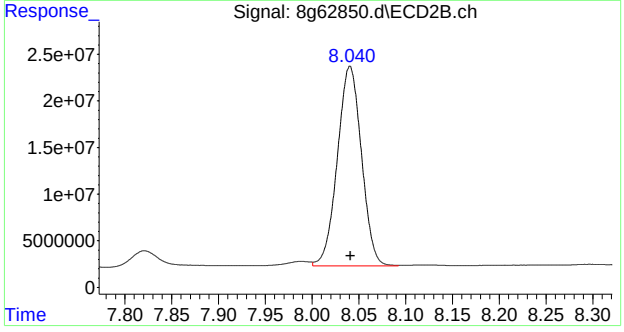
#15 4,4'-DDE

R.T.: 7.722 min
Delta R.T.: 0.000 min
Response: 394362910
Conc: 1.85 PPB



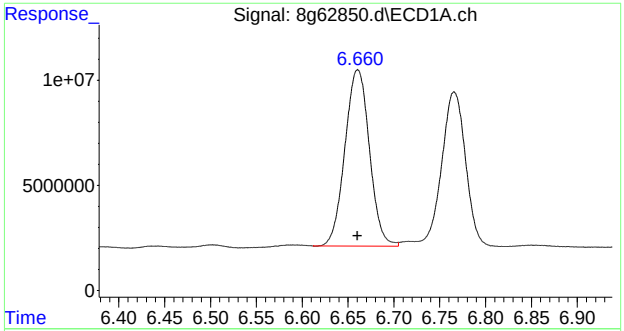
#16 Dieldrin

R.T.: 6.315 min
Delta R.T.: 0.000 min
Response: 165684841
Conc: 2.34 PPB



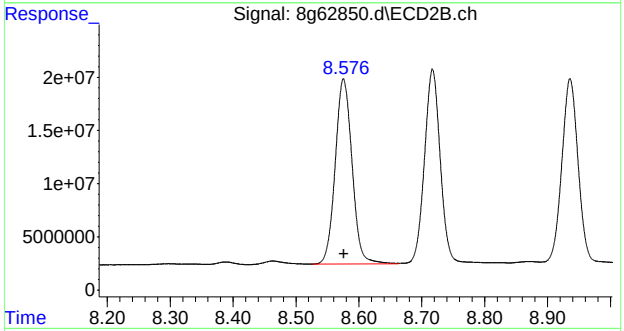
#16 Dieldrin

R.T.: 8.040 min
Delta R.T.: -0.001 min
Response: 383887053
Conc: 1.68 PPB m



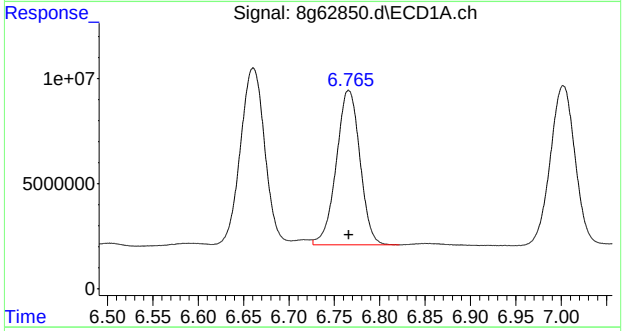
#17 Endrin

R.T.: 6.660 min
Delta R.T.: 0.000 min
Response: 156070976
Conc: 2.79 PPB



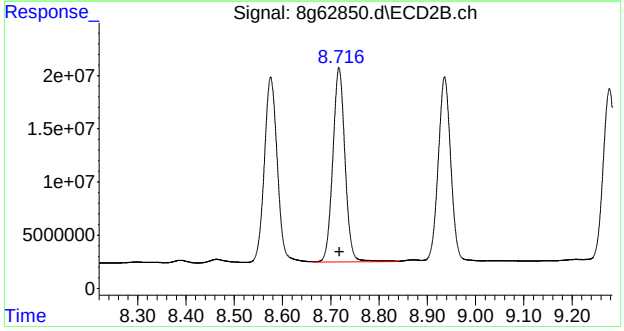
#17 Endrin

R.T.: 8.576 min
Delta R.T.: 0.000 min
Response: 323015178
Conc: 1.97 PPB



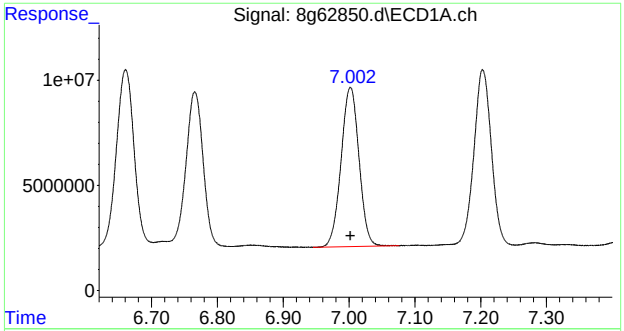
#18 4,4'-DDD

R.T.: 6.765 min
Delta R.T.: 0.000 min
Response: 133429692
Conc: 2.23 PPB m



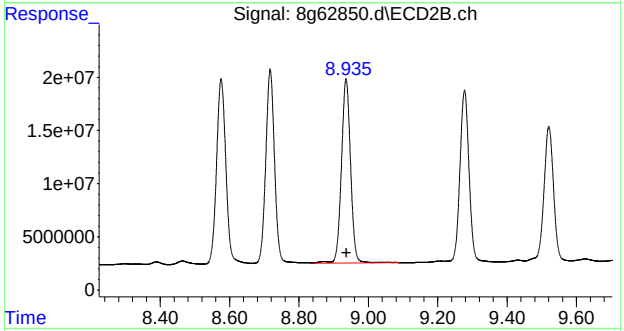
#18 4,4'-DDD

R.T.: 8.717 min
Delta R.T.: 0.000 min
Response: 320167269
Conc: 1.71 PPB



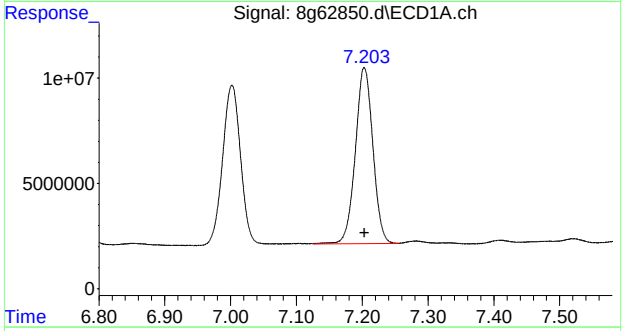
#19 Endosulfan II

R.T.: 7.002 min
Delta R.T.: 0.000 min
Response: 143021528
Conc: 2.29 PPB



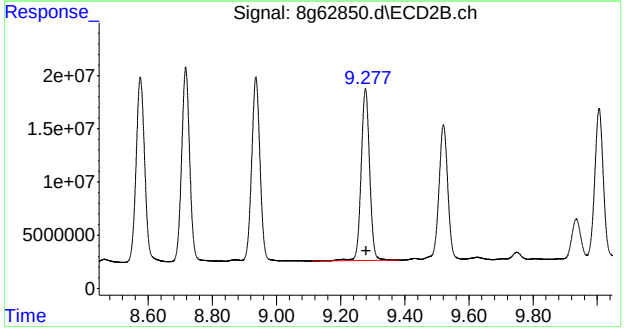
#19 Endosulfan II

R.T.: 8.936 min
Delta R.T.: 0.000 min
Response: 315494429
Conc: 1.65 PPB



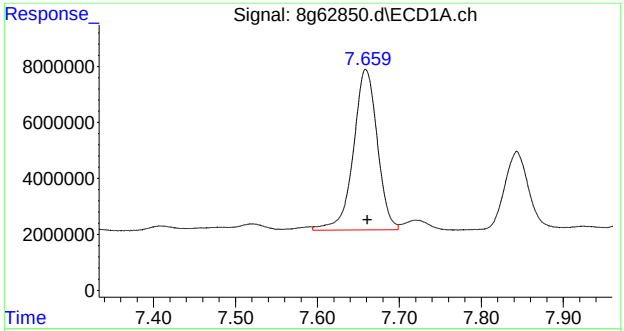
#20 4,4'-DDT

R.T.: 7.203 min
Delta R.T.: 0.000 min
Response: 154401813
Conc: 2.56 PPB



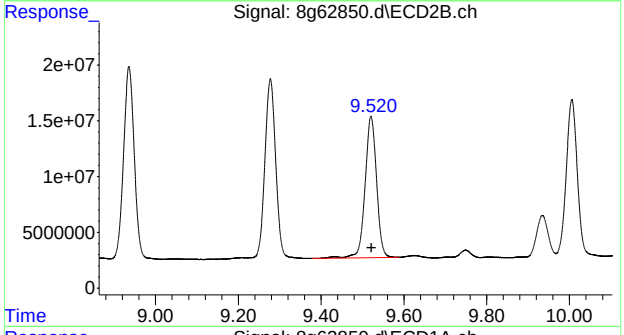
#20 4,4'-DDT

R.T.: 9.278 min
Delta R.T.: -0.002 min
Response: 296623769
Conc: 1.91 PPB



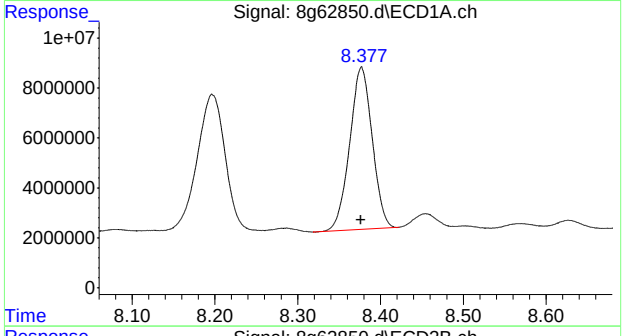
#21 Endrin Aldehyde

R.T.: 7.659 min
Delta R.T.: -0.002 min
Response: 116439971
Conc: 2.27 PPB m



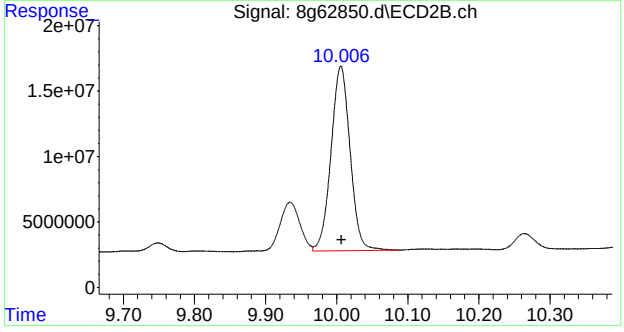
#21 Endrin Aldehyde

R.T.: 9.521 min
Delta R.T.: -0.001 min
Response: 244039664
Conc: 1.63 PPB



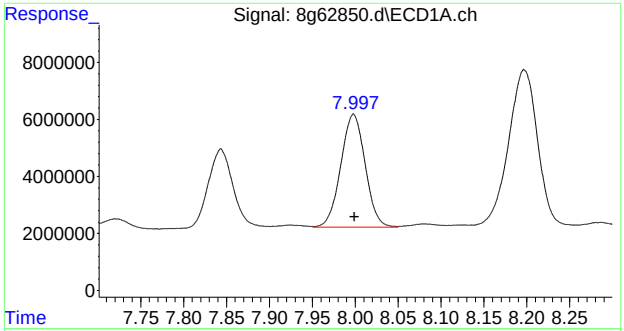
#22 Endosulfan Sulfate

R.T.: 8.377 min
Delta R.T.: 0.000 min
Response: 122761618
Conc: 2.12 PPB



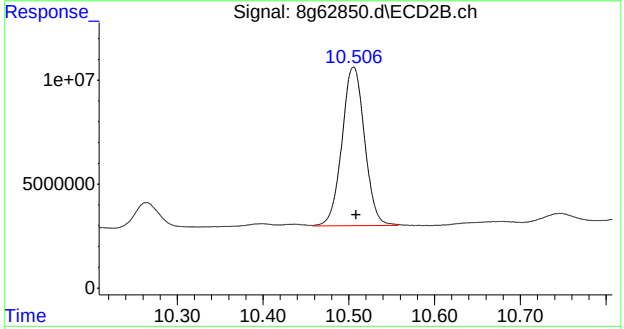
#22 Endosulfan Sulfate

R.T.: 10.006 min
Delta R.T.: 0.000 min
Response: 262497688
Conc: 1.52 PPB



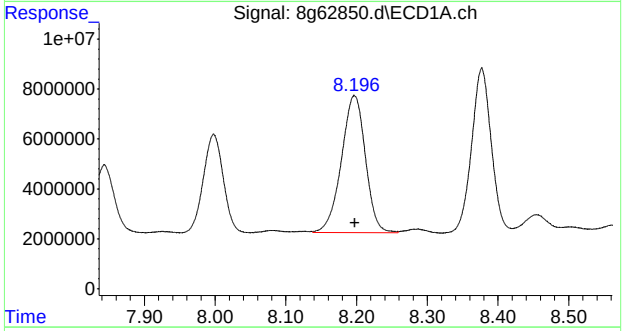
#23 Methoxychlor

R.T.: 7.997 min
Delta R.T.: -0.002 min
Response: 78404742
Conc: 2.24 PPB m



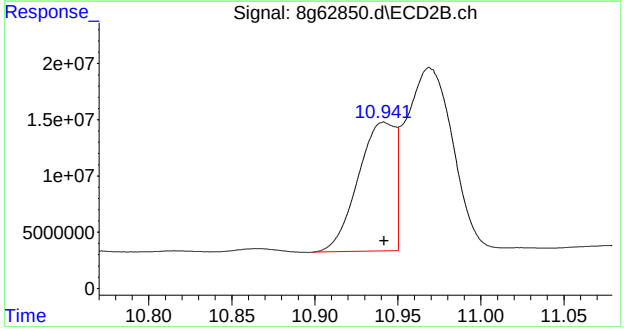
#23 Methoxychlor

R.T.: 10.506 min
Delta R.T.: -0.003 min
Response: 139673537
Conc: 1.81 PPB m



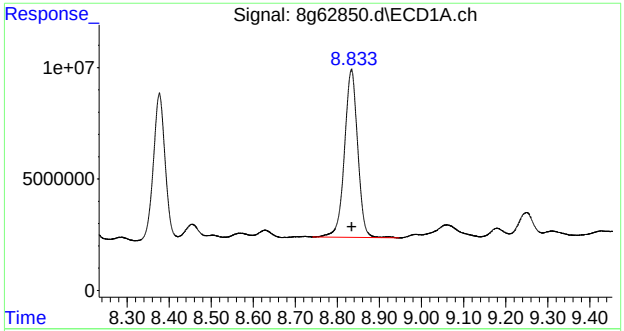
#24 Mirex

R.T.: 8.196 min
Delta R.T.: -0.001 min
Response: 129833463
Conc: 2.44 PPB m



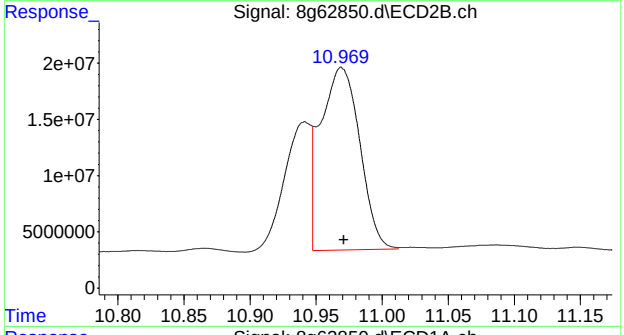
#24 Mirex

R.T.: 10.941 min
Delta R.T.: 0.000 min
Response: 179452714
Conc: 1.62 PPB m



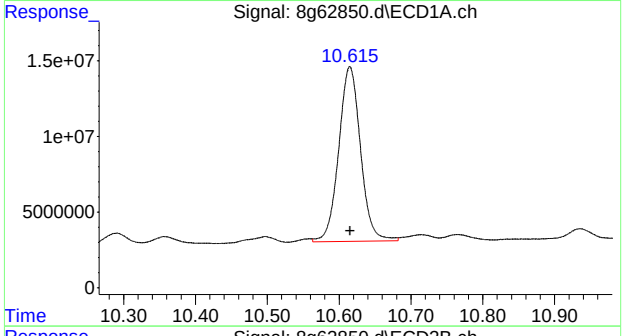
#25 Endrin Ketone

R.T.: 8.833 min
Delta R.T.: 0.000 min
Response: 164493097
Conc: 2.24 PPB



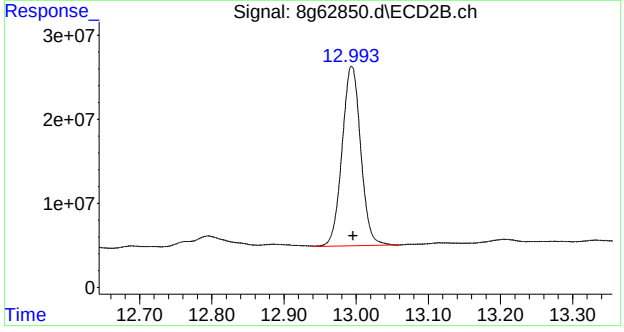
#25 Endrin Ketone

R.T.: 10.969 min
Delta R.T.: -0.002 min
Response: 333283875
Conc: 1.42 PPB m



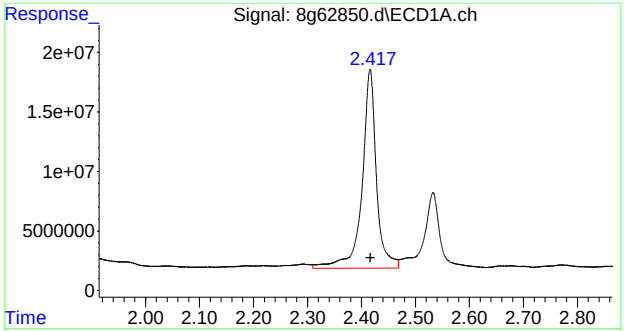
#26 Decachlorobiphenyl

R.T.: 10.615 min
Delta R.T.: 0.000 min
Response: 243909817
Conc: 4.25 PPB m



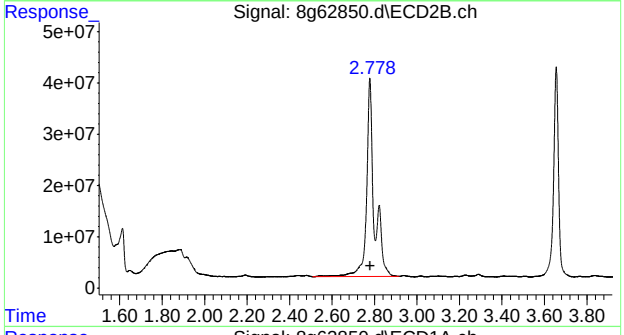
#26 Decachlorobiphenyl

R.T.: 12.994 min
Delta R.T.: -0.002 min
Response: 383443322
Conc: 2.87 PPB



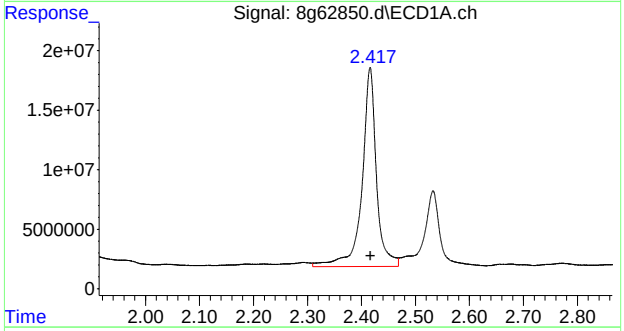
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.416 min
Delta R.T.: 0.000 min
Response: 309461682
Conc: 5.00 PPB



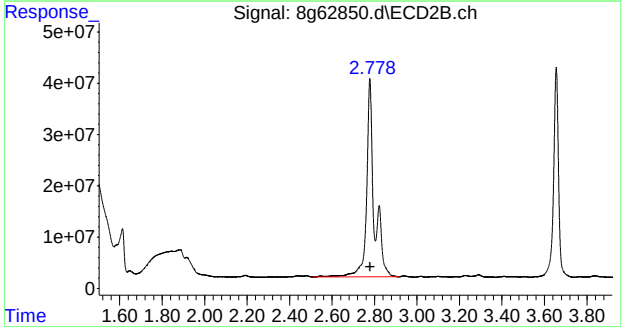
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 963566112
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.416 min
Delta R.T.: 0.000 min
Response: 309461682
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 963566112
Conc: 5.00 PPB

Manual Integration Approval Summary

Sample Number: OP59852-MSD
Lab FileID: 8G62850.D
Injection Time: 12/04/24 17:26
Method: SW846 8081B
Analyst approved: 12/05/24 01:09 Christopher Changho
Supervisor approved: 12/05/24 08:41 Gwendolyn Burns

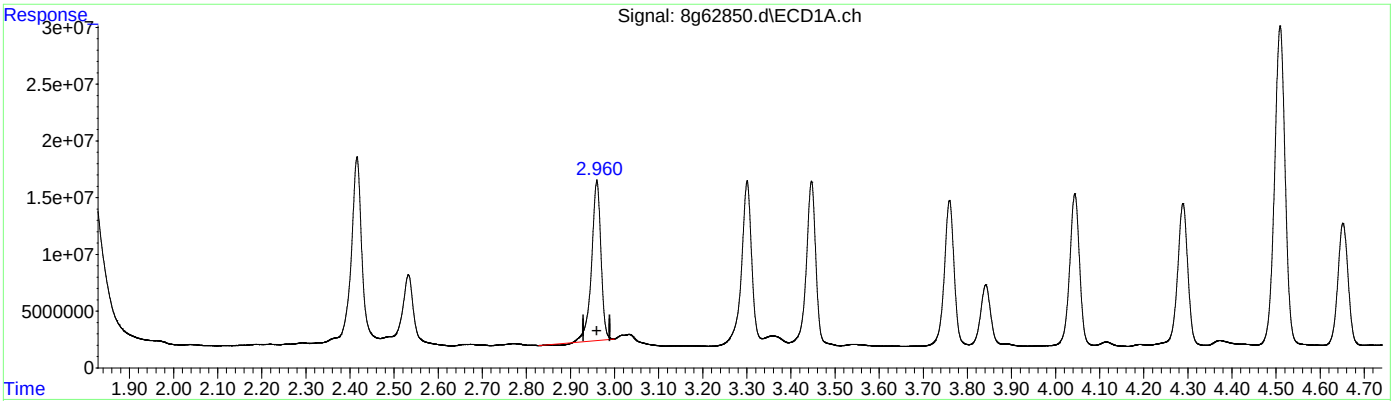
Parameter	CAS	Sig#	R.T. (min.)	Reason
Tetrachloro-m-xylene	877-09-8	1	2.96	Poorly defined baseline
Heptachlor	76-44-8	1	4.29	Poorly defined baseline
Alachlor	15972-60-8	1	4.79	Poorly defined baseline
delta-BHC	319-86-8	2	5.40	Poorly defined baseline
Endosulfan-I	959-98-8	1	5.97	Poorly defined baseline
4,4'-DDD	72-54-8	1	6.77	Poorly defined baseline
Endrin aldehyde	7421-93-4	1	7.66	Poorly defined baseline
Methoxychlor	72-43-5	1	8.00	Poorly defined baseline
Dieldrin	60-57-1	2	8.04	Poorly defined baseline
Mirex	2385-85-5	1	8.20	Poorly defined baseline
Methoxychlor	72-43-5	2	10.51	Poorly defined baseline
Decachlorobiphenyl	2051-24-3	1	10.61	Poorly defined baseline
Mirex	2385-85-5	2	10.94	Poorly defined baseline
Endrin ketone	53494-70-5	2	10.97	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62850.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 5:26 pm
Operator : kyrac
Sample : op59852-msd m
Misc : op59852,g8g2704,5.3,,,10,1
ALS Vial : 83 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:20:10 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(2) Tetrachloro-m-xylene (SAB)

2.960min 3.451 PPB

response 206068354

(2) Tetrachloro-m-xylene #2 (SAB)

3.655min 2.806 PPB

response 662321419

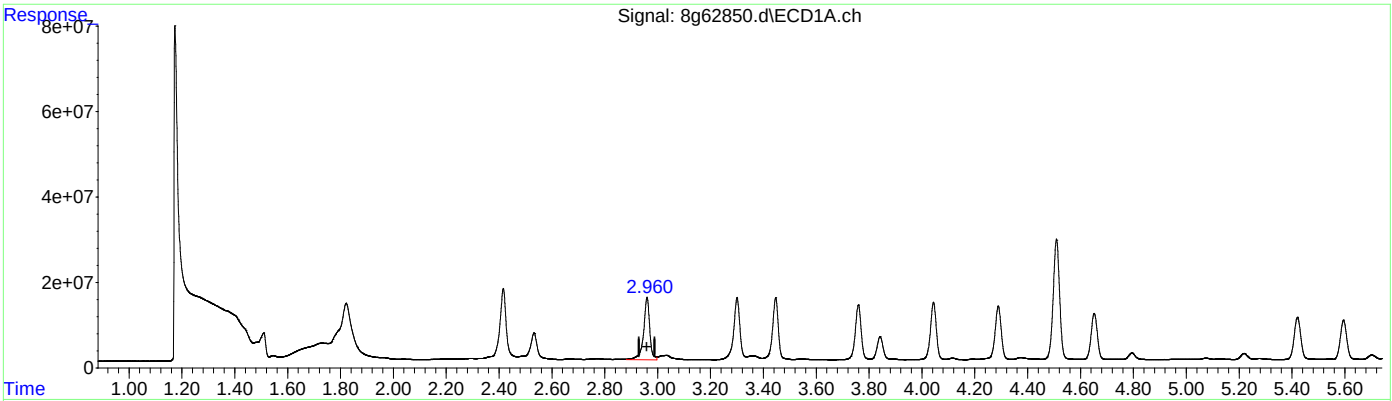
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:37:27 2024

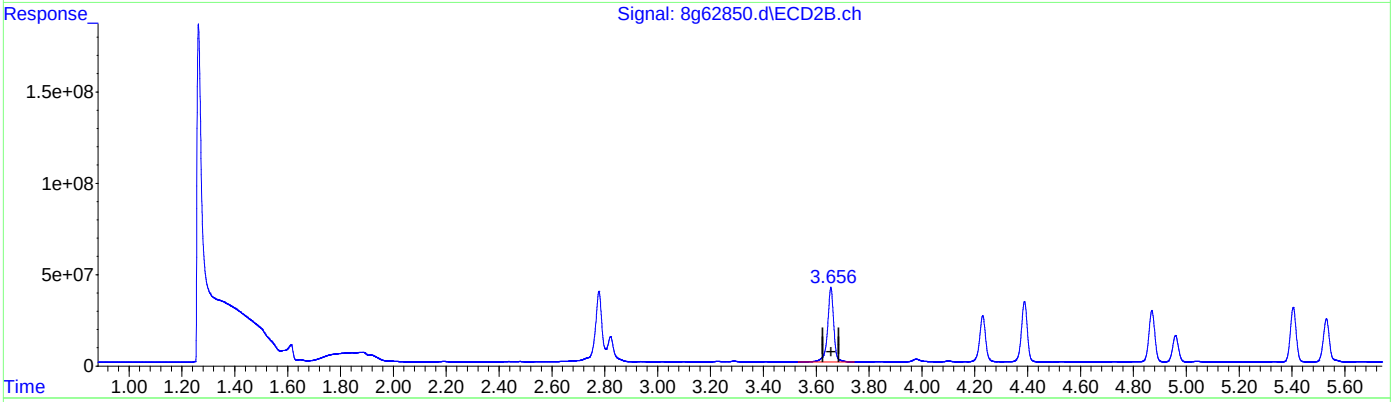
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62850.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 5:26 pm
Operator : kyrac
Sample : op59852-msd m
Misc : op59852,g8g2704,5.3,,,10,1
ALS Vial : 83 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:20:10 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(2) Tetrachloro-m-xylene (SAB)

2.960min 3.999 PPB m

response 238755493

(2) Tetrachloro-m-xylene #2 (SAB)

3.655min 2.806 PPB

response 662321419

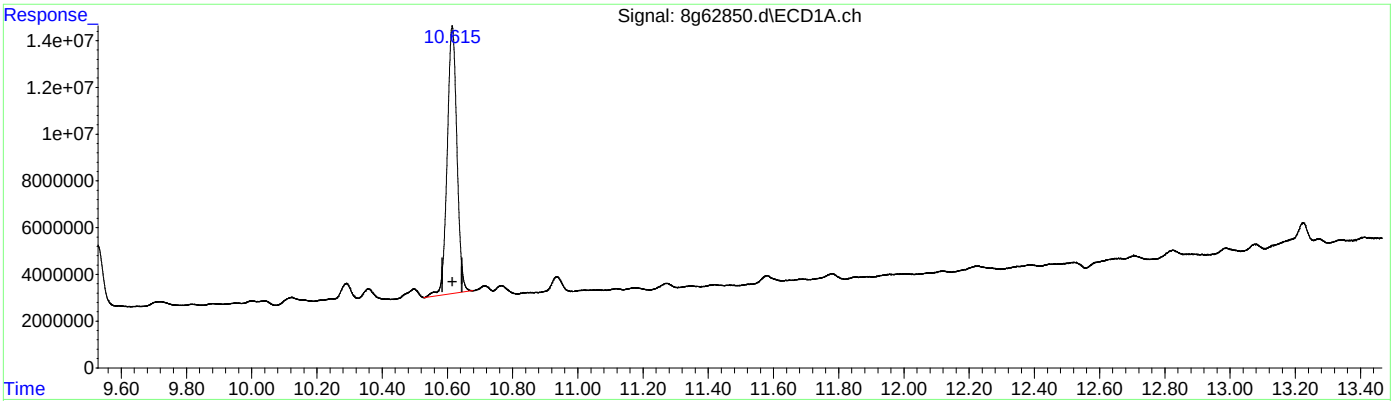
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:37:33 2024

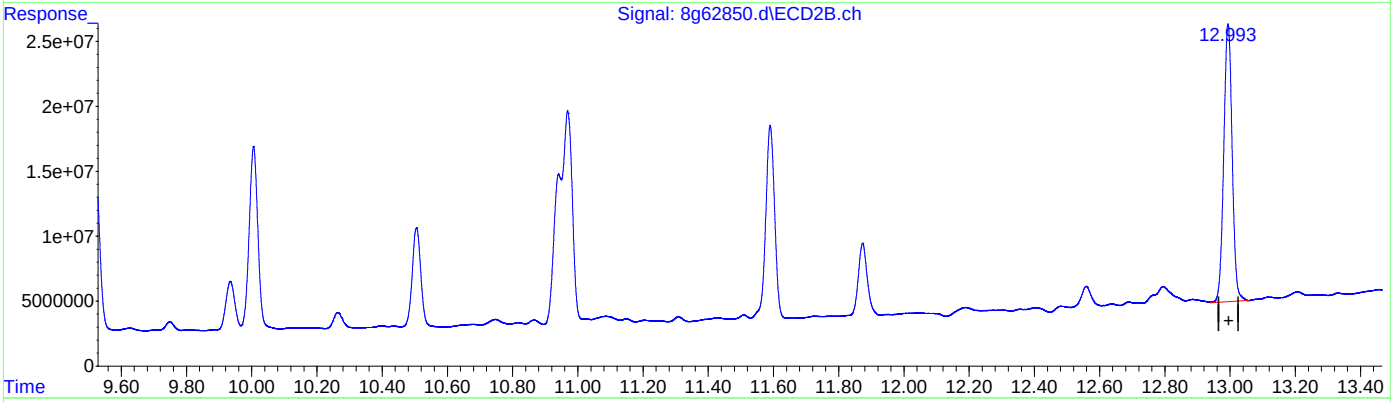
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62850.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 5:26 pm
Operator : kyrac
Sample : op59852-msd m
Misc : op59852,g8g2704,5.3,,,10,1
ALS Vial : 83 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:20:10 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(26) Decachlorobiphenyl (SA)

10.615min 4.123 PPB

response 236834416

(26) Decachlorobiphenyl #2 (SA)

12.994min 2.871 PPB

response 383443322

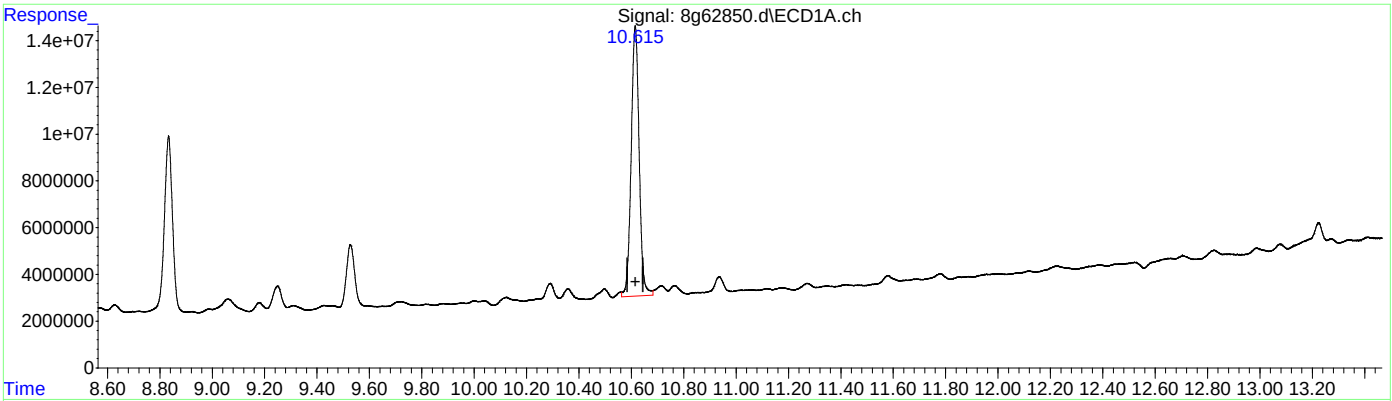
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:38:16 2024

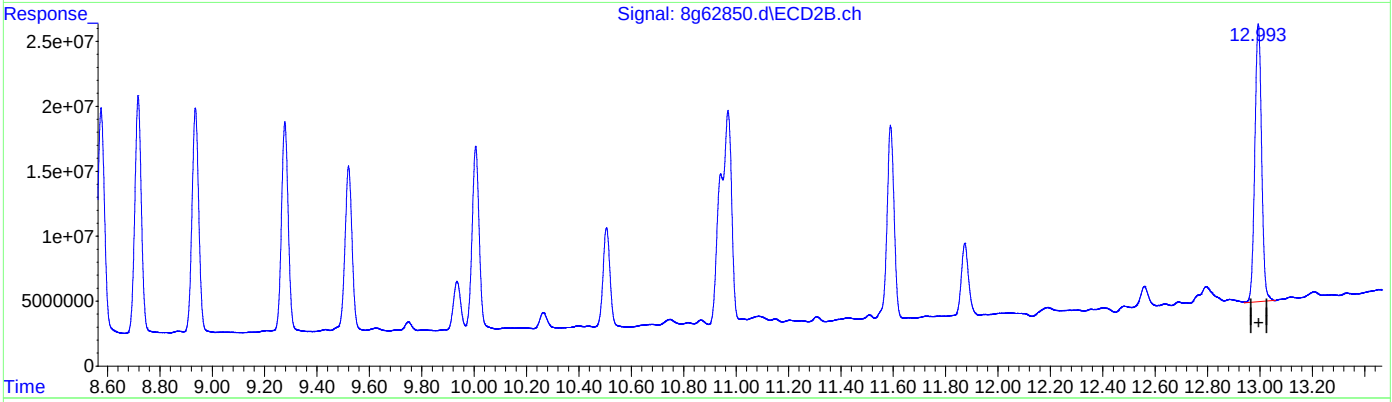
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62850.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 5:26 pm
Operator : kyrac
Sample : op59852-msd m
Misc : op59852,g8g2704,5.3,,,10,1
ALS Vial : 83 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:20:10 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(26) Decachlorobiphenyl (SA)

10.615min 4.246 PPB m

response 243909817

(26) Decachlorobiphenyl #2 (SA)

12.994min 2.871 PPB

response 383443322

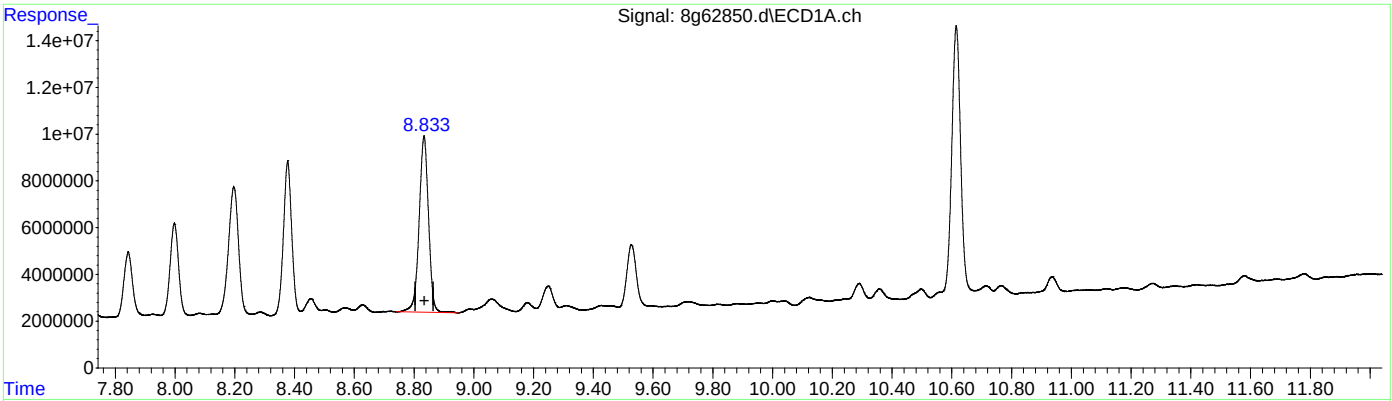
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:38:20 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62850.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 5:26 pm
Operator : kyrac
Sample : op59852-msd m
Misc : op59852,g8g2704,5.3,,,10,1
ALS Vial : 83 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:20:10 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(25) Endrin Ketone (B)

8.833min 2.240 PPB

response 164493097

(25) Endrin Ketone #2 (B)

10.969min 2.158 PPB

response 507905318

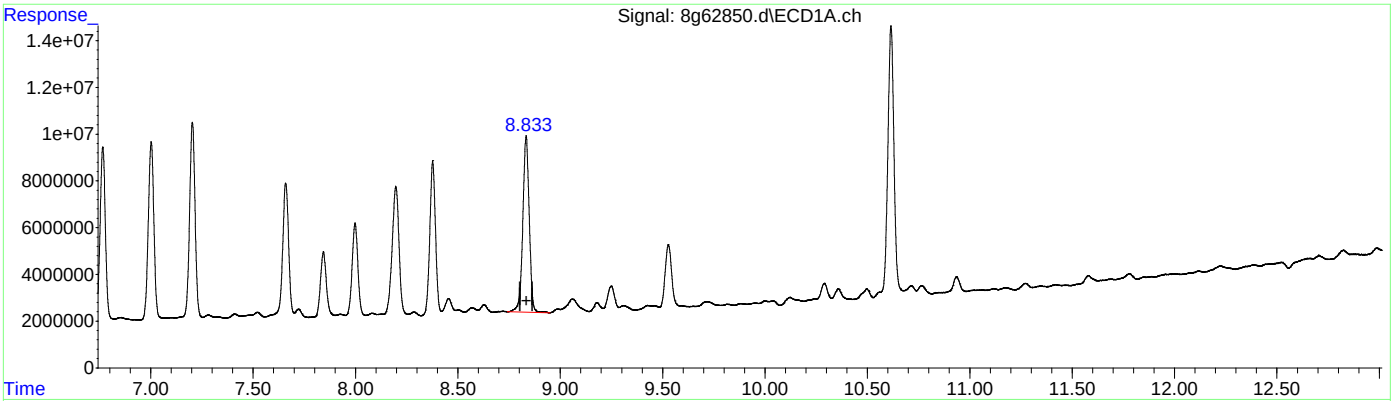
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:38:22 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62850.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 5:26 pm
Operator : kyrac
Sample : op59852-msd m
Misc : op59852,g8g2704,5.3,,,10,1
ALS Vial : 83 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:20:10 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(25) Endrin Ketone (B)

8.833min 2.240 PPB

response 164493097

(25) Endrin Ketone #2 (B)

10.969min 1.416 PPB m

response 333283875

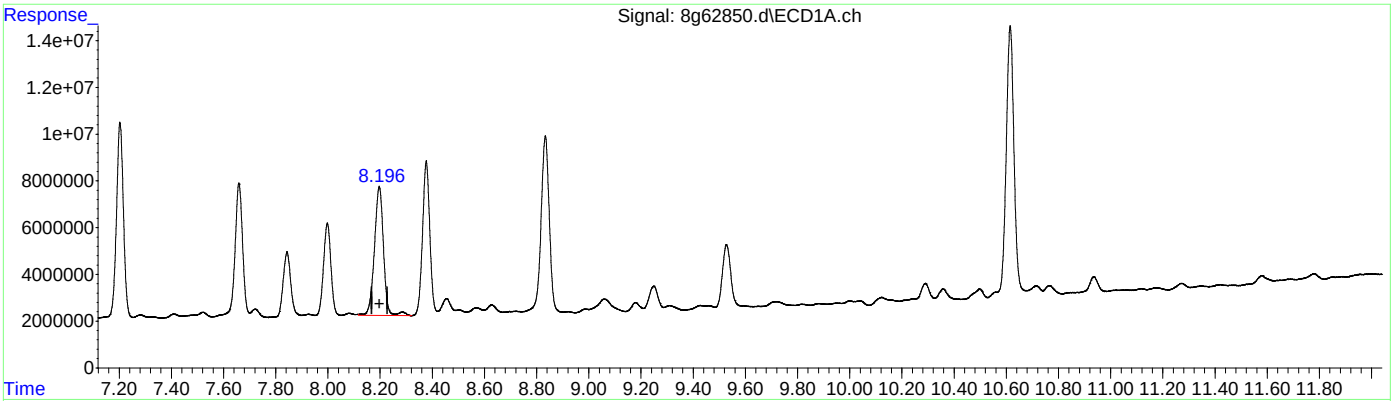
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:38:28 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62850.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 5:26 pm
Operator : kyrac
Sample : op59852-msd m
Misc : op59852,g8g2704,5.3,,,10,1
ALS Vial : 83 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:20:10 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(24) Mirex

8.197min 2.519 PPB

response 133923751

(24) Mirex #2

10.969min 4.597 PPB

response 507905318

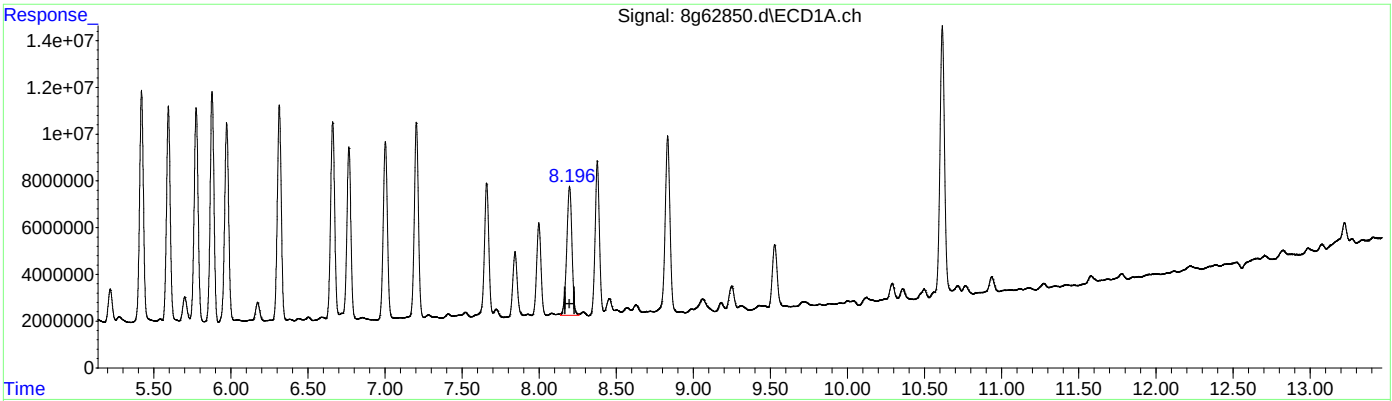
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:38:30 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62850.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 5:26 pm
Operator : kyrac
Sample : op59852-msd m
Misc : op59852,g8g2704,5.3,,,10,1
ALS Vial : 83 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:20:10 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(24) Mirex

8.196min 2.442 PPB m

response 129833463

(24) Mirex #2

10.941min 1.624 PPB m

response 179452714

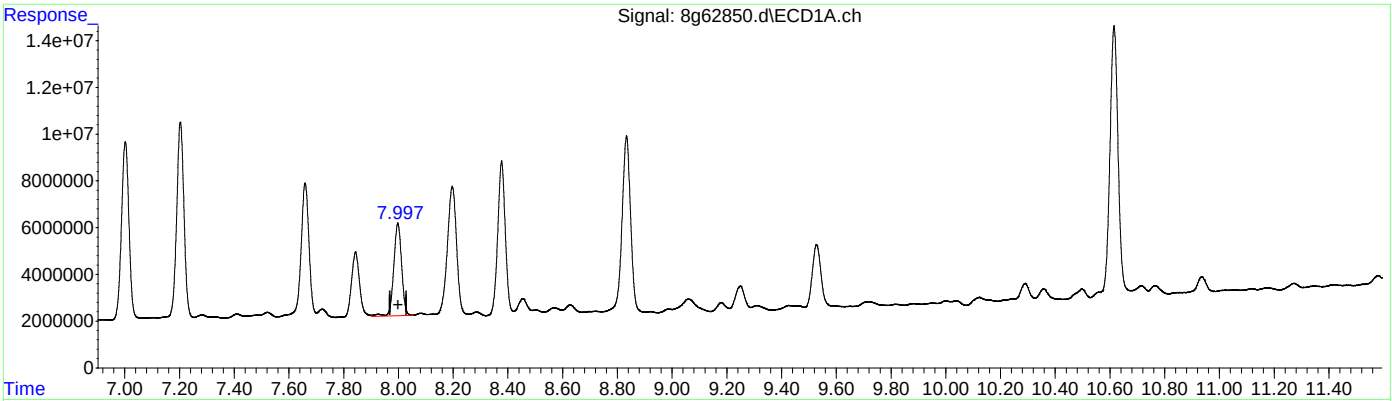
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:38:40 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62850.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 5:26 pm
Operator : kyrac
Sample : op59852-msd m
Misc : op59852,g8g2704,5.3,,,10,1
ALS Vial : 83 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:20:10 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(23) Methoxychlor (A)

7.998min 2.274 PPB

response 79688719

(23) Methoxychlor #2 (A)

10.506min 1.893 PPB

response 145916524

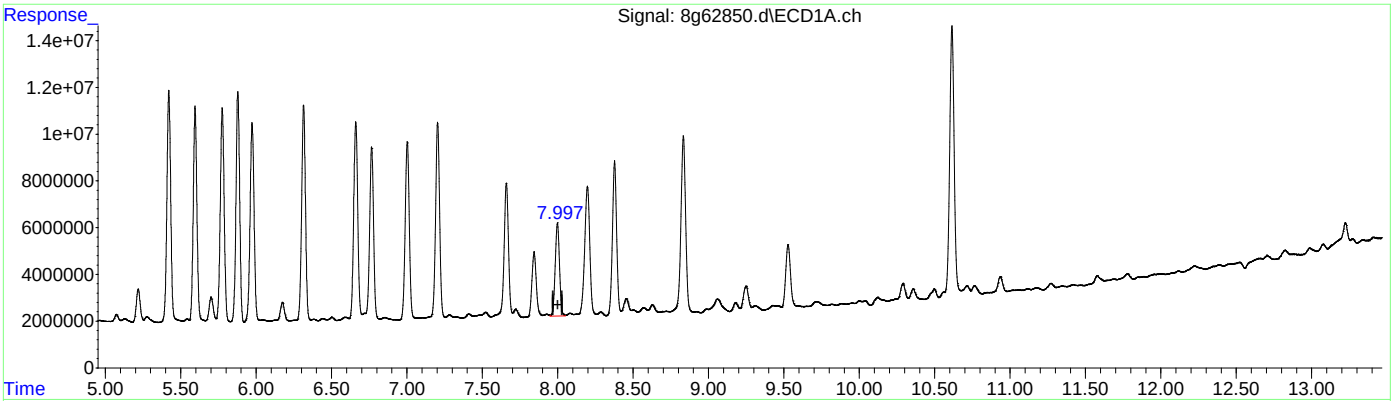
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:38:42 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62850.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 5:26 pm
Operator : kyrac
Sample : op59852-msd m
Misc : op59852,g8g2704,5.3,,,10,1
ALS Vial : 83 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:20:10 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(23) Methoxychlor (A)

7.997min 2.237 PPB m

response 78404742

(23) Methoxychlor #2 (A)

10.506min 1.812 PPB m

response 139673537

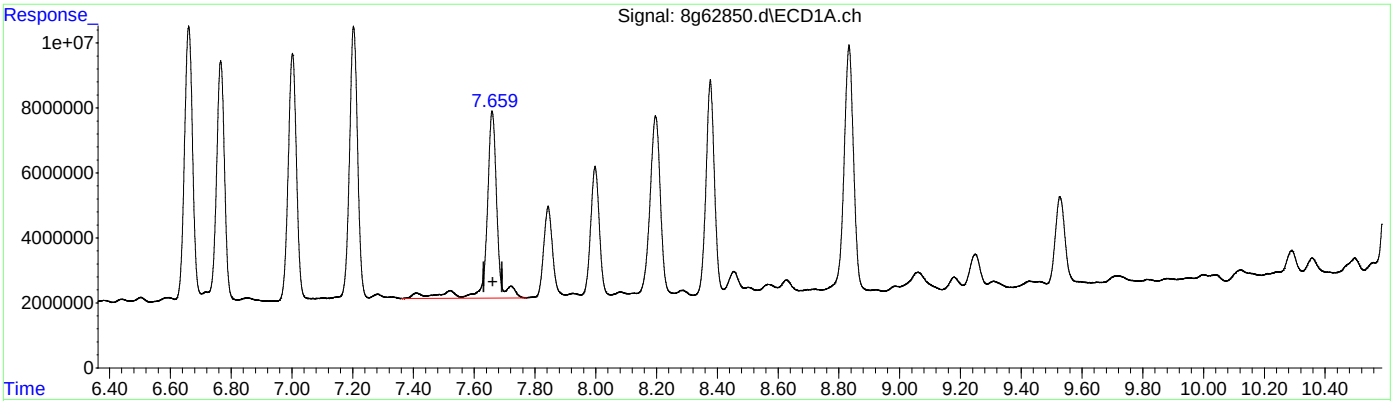
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:38:50 2024

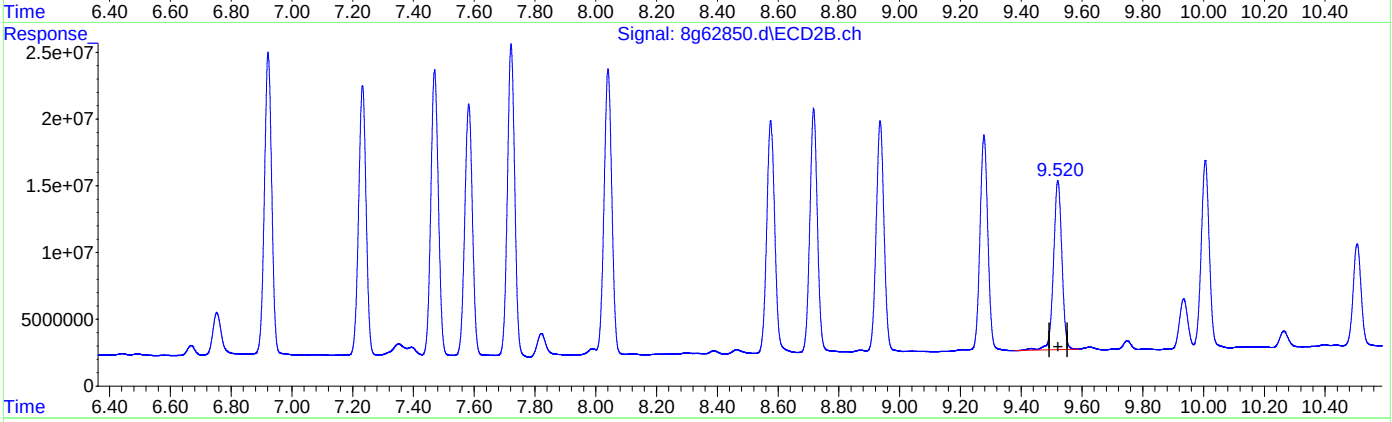
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62850.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 5:26 pm
Operator : kyrac
Sample : op59852-msd m
Misc : op59852,g8g2704,5.3,,,10,1
ALS Vial : 83 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:20:10 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(21) Endrin Aldehyde (B)

7.659min 2.699 PPB

response 138360498

(21) Endrin Aldehyde #2 (B)

9.521min 1.630 PPB

response 244039664

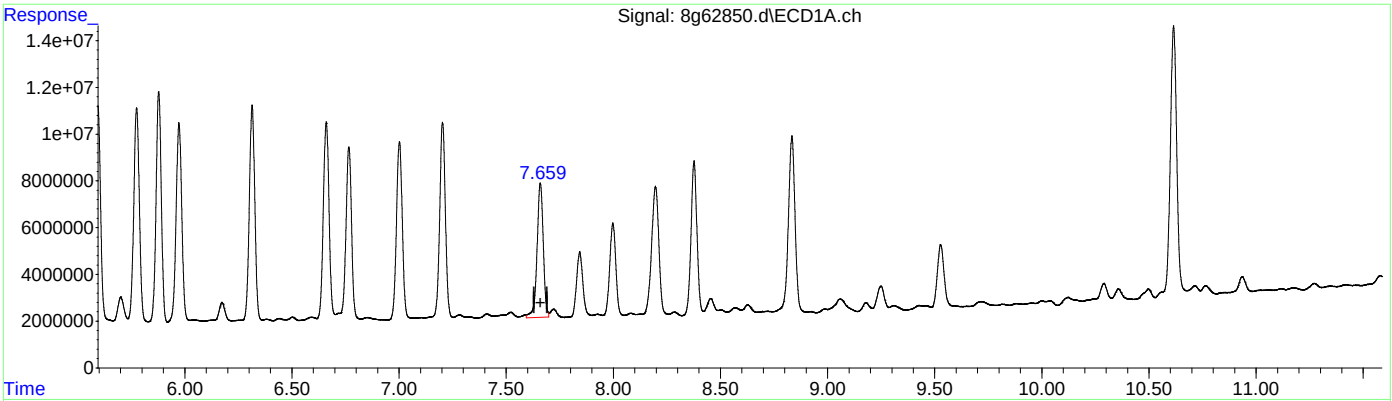
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:38:54 2024

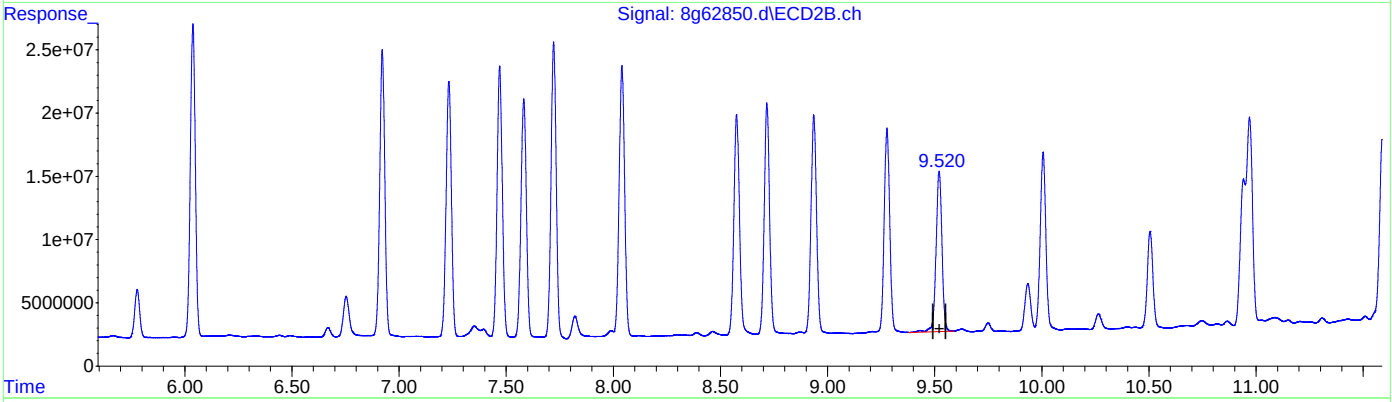
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62850.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 5:26 pm
Operator : kyrac
Sample : op59852-msd m
Misc : op59852,g8g2704,5.3,,,10,1
ALS Vial : 83 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:20:10 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(21) Endrin Aldehyde (B)

7.659min 2.271 PPB m

response 116439971

(21) Endrin Aldehyde #2 (B)

9.521min 1.630 PPB

response 244039664

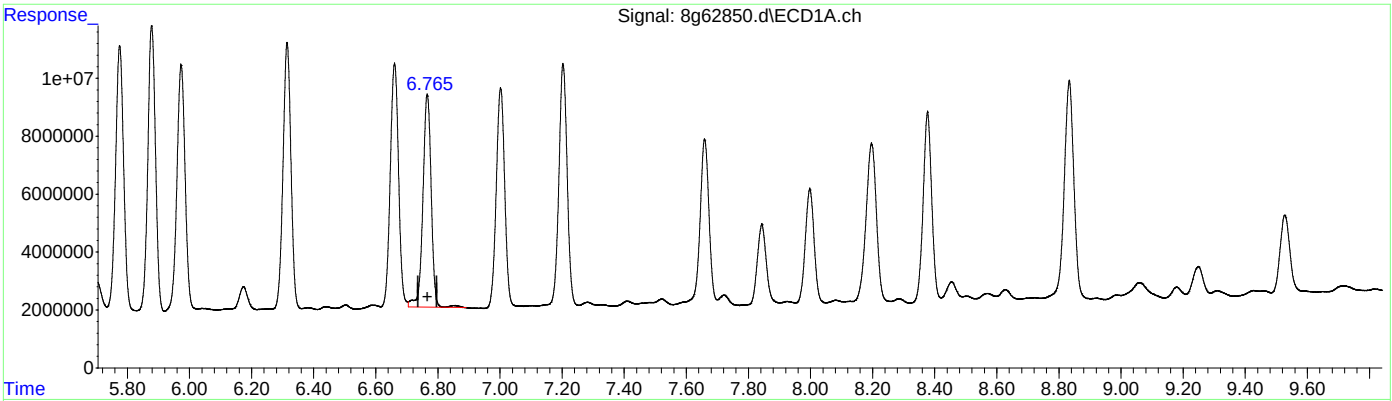
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:38:59 2024

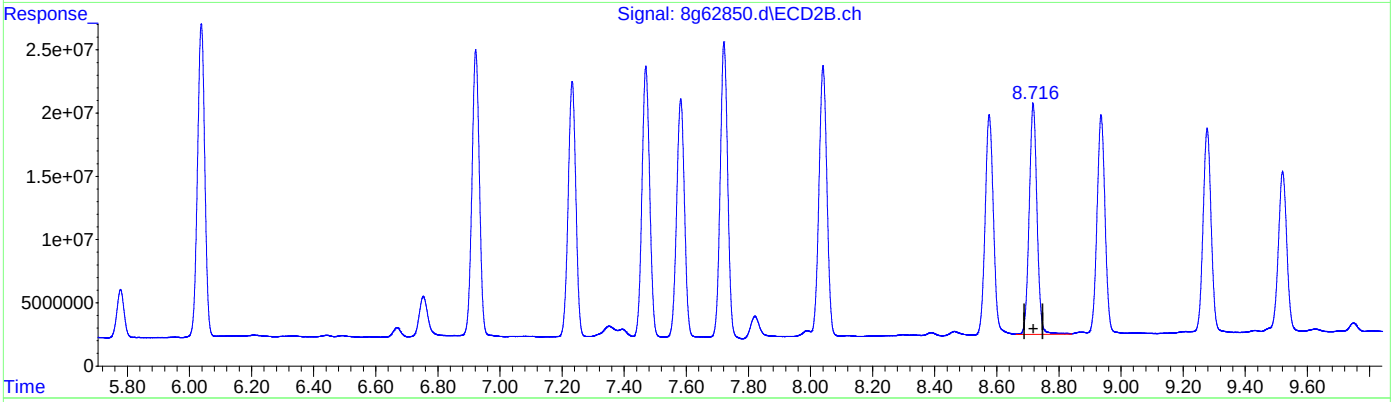
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62850.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 5:26 pm
Operator : kyrac
Sample : op59852-msd m
Misc : op59852,g8g2704,5.3,,,10,1
ALS Vial : 83 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:20:10 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(18) 4,4'-DDD (A)

6.766min 2.297 PPB

response 137179652

(18) 4,4'-DDD #2 (A)

8.717min 1.707 PPB

response 320167269

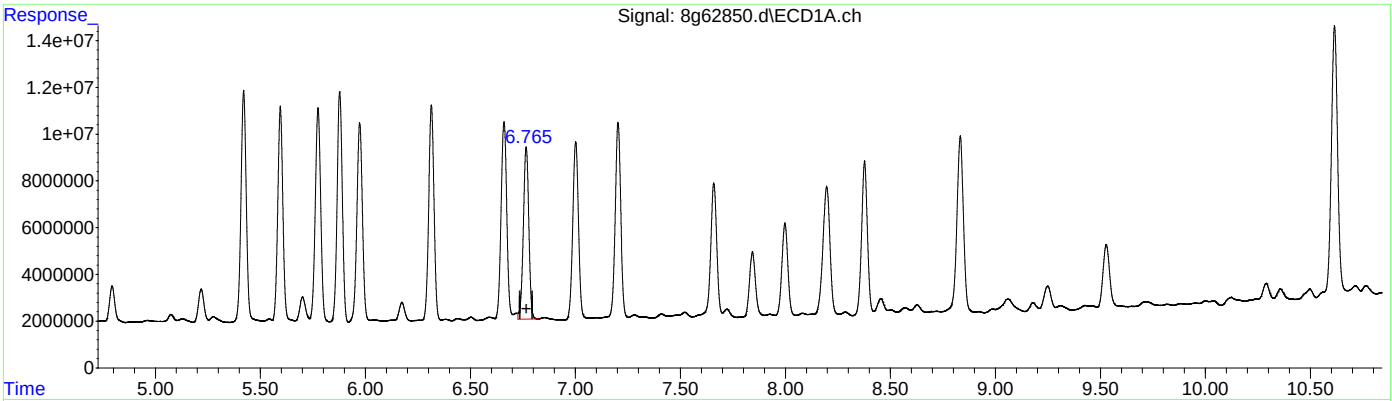
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:39:06 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62850.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 5:26 pm
Operator : kyrac
Sample : op59852-msd m
Misc : op59852,g8g2704,5.3,,,10,1
ALS Vial : 83 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:20:10 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(18) 4,4'-DDD (A)

6.765min 2.234 PPB m

response 133429692

(18) 4,4'-DDD #2 (A)

8.717min 1.707 PPB

response 320167269

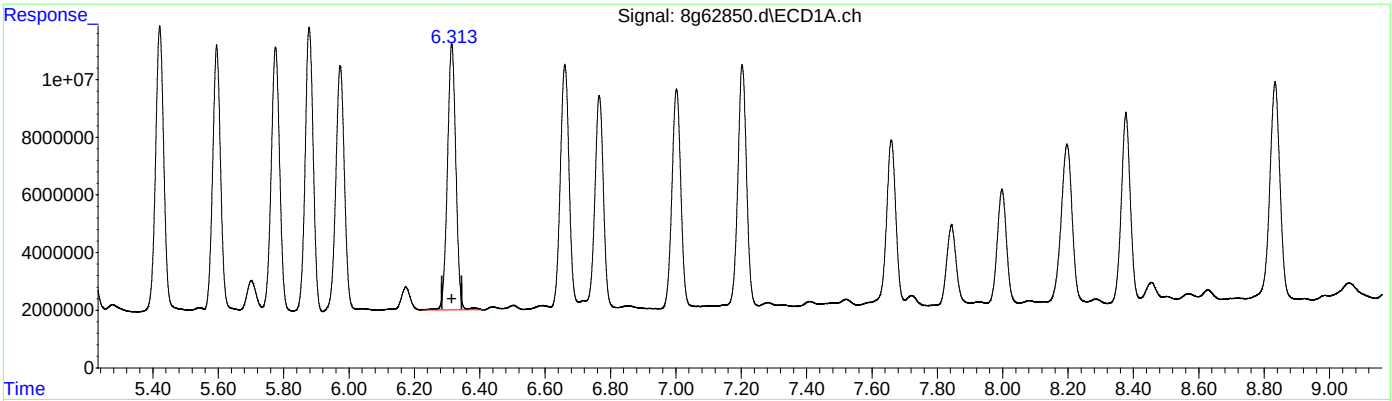
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:39:10 2024

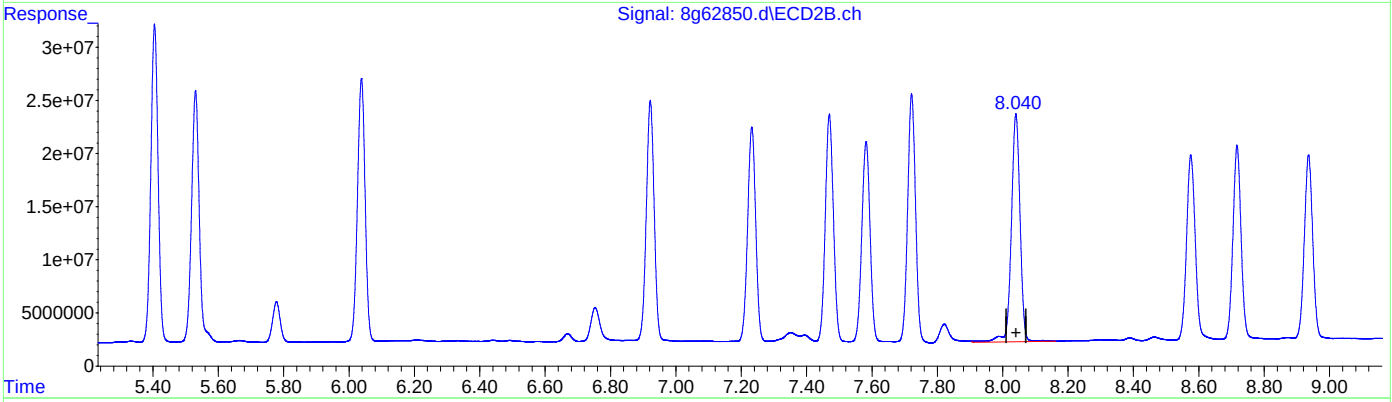
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62850.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 5:26 pm
Operator : kyrac
Sample : op59852-msd m
Misc : op59852,g8g2704,5.3,,,10,1
ALS Vial : 83 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:20:10 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(16) Dieldrin (MA)

6.315min 2.336 PPB

response 165684841

(16) Dieldrin #2 (MA)

8.040min 1.755 PPB

response 400228485

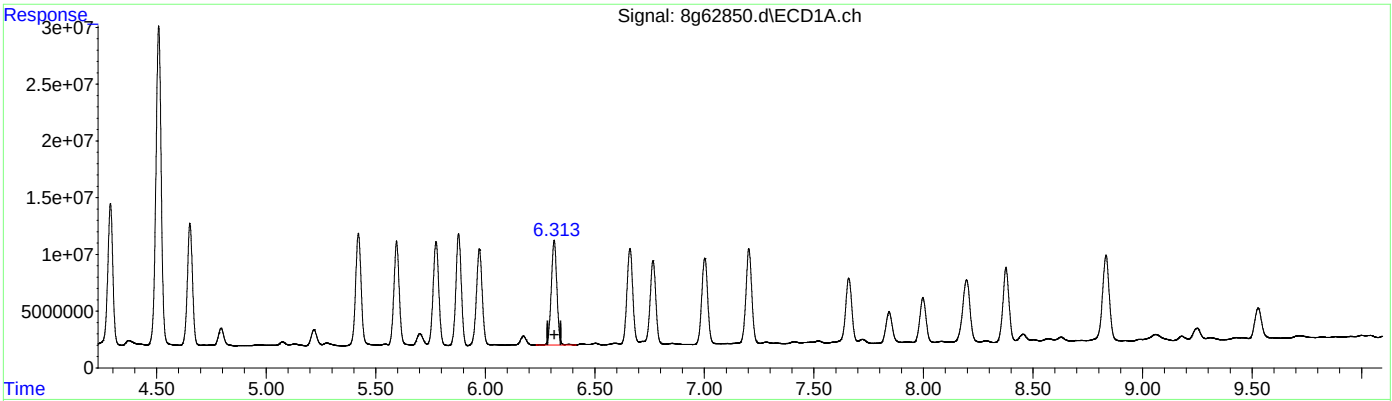
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:39:15 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62850.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 5:26 pm
Operator : kyrac
Sample : op59852-msd m
Misc : op59852,g8g2704,5.3,,,10,1
ALS Vial : 83 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:20:10 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(16) Dieldrin (MA)

6.315min 2.336 PPB

response 165684841

(16) Dieldrin #2 (MA)

8.040min 1.683 PPB m

response 383887053

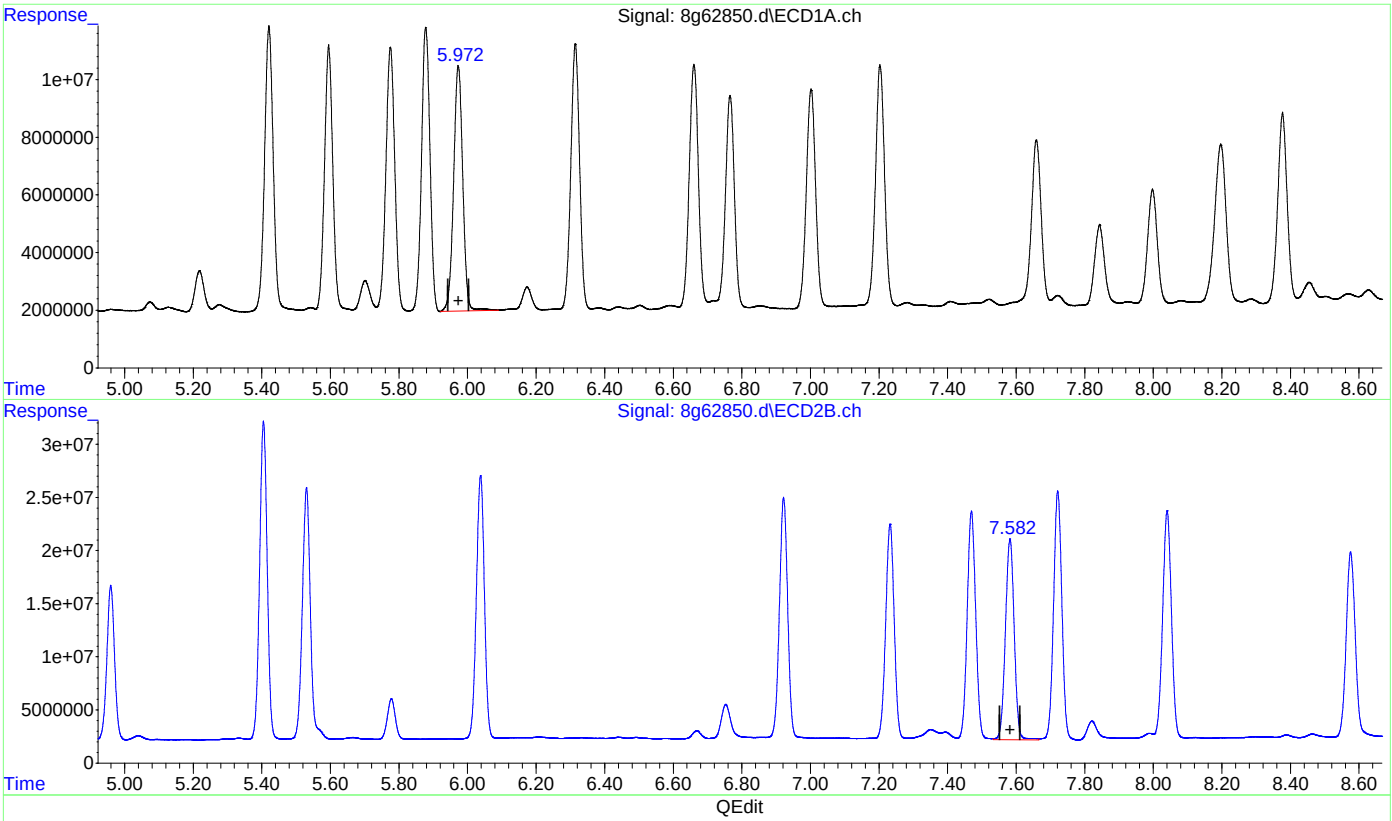
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:39:20 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62850.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 5:26 pm
Operator : kyrac
Sample : op59852-msd m
Misc : op59852,g8g2704,5.3,,,10,1
ALS Vial : 83 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:20:10 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(14) Endosulfan I (A)

5.973min 2.428 PPB

response 158046070

(14) Endosulfan I #2 (A)

7.582min 1.674 PPB

response 337540449

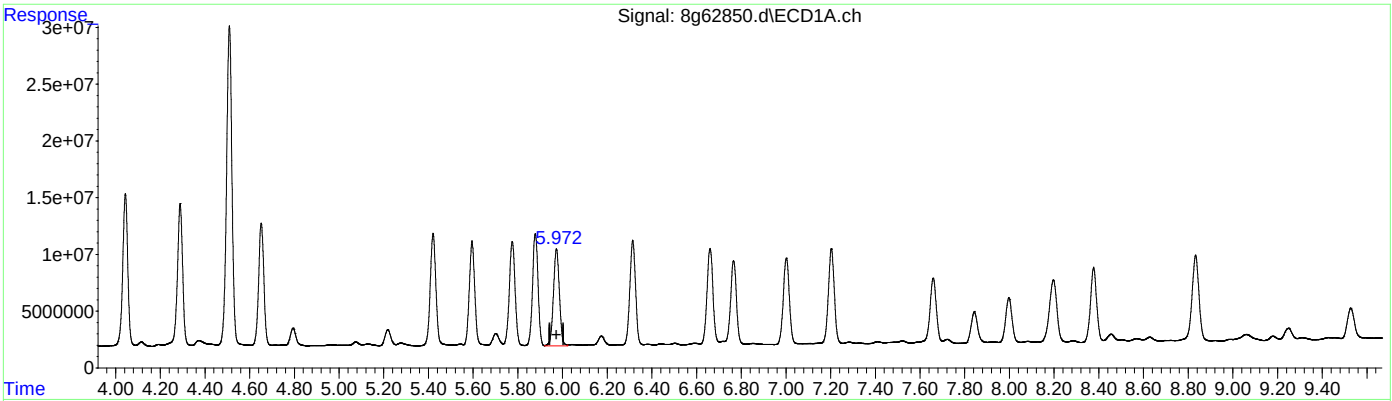
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:39:25 2024

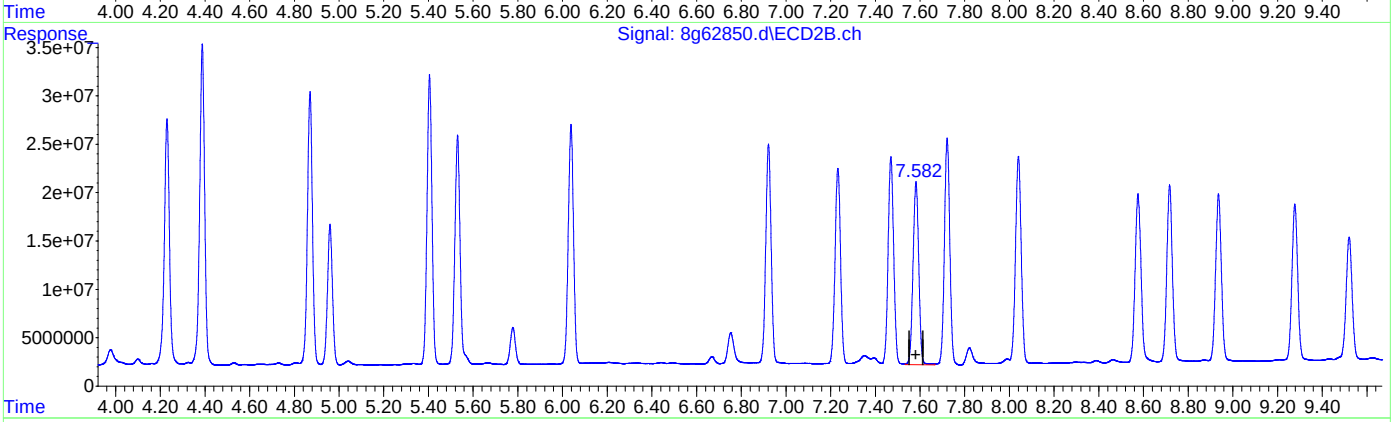
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62850.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 5:26 pm
Operator : kyrac
Sample : op59852-msd m
Misc : op59852,g8g2704,5.3,,,10,1
ALS Vial : 83 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:20:10 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(14) Endosulfan I (A)

5.972min 2.423 PPB m

response 157752715

(14) Endosulfan I #2 (A)

7.582min 1.674 PPB

response 337540449

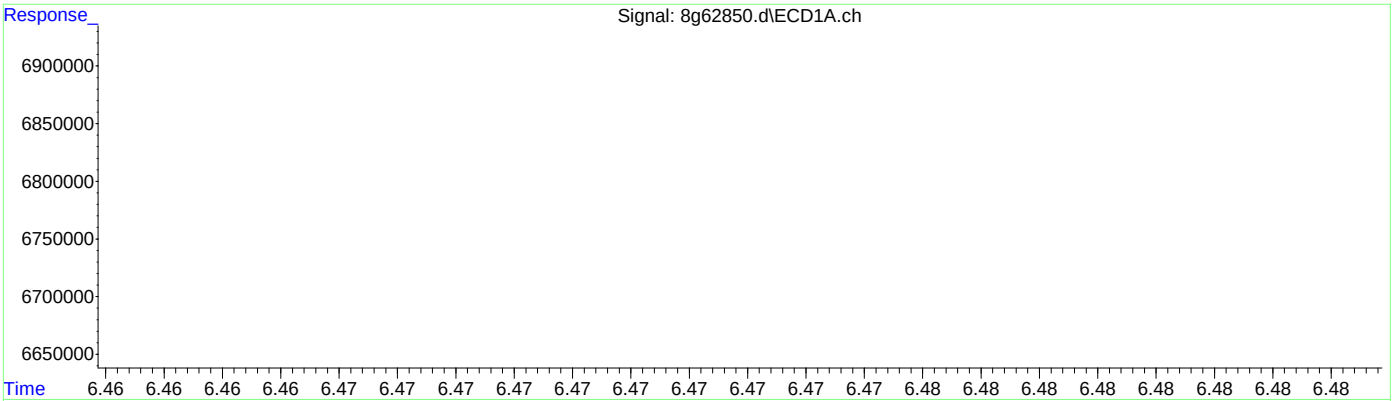
(+) = Expected Retention Time

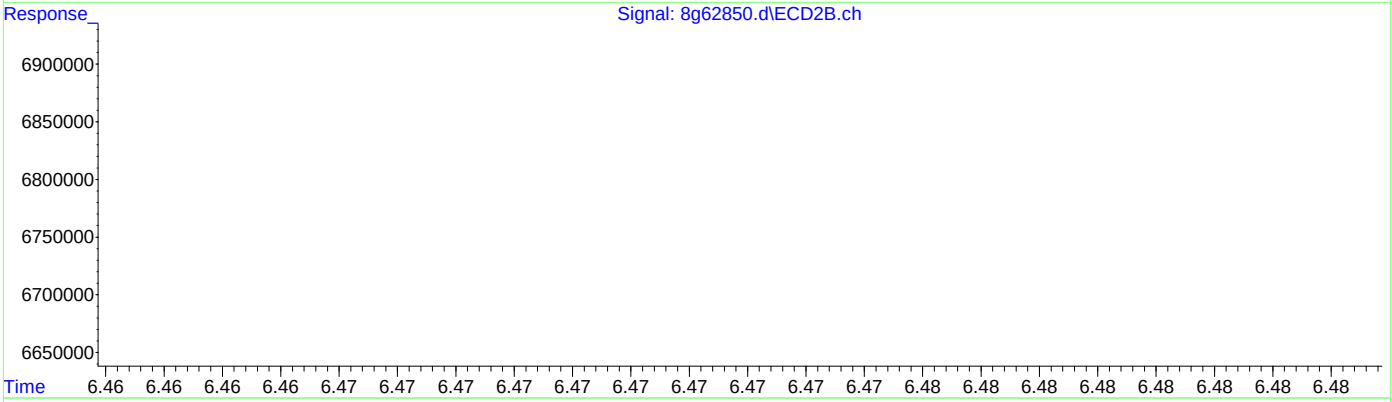
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62850.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 5:26 pm
Operator : kyrac
Sample : op59852-msd m
Misc : op59852,g8g2704,5.3,,,10,1
ALS Vial : 83 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:20:10 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(10) alachlor

0.000min 0.000 PPB

response 0

(10) alachlor #2

5.778min 1.745 PPB

response 61734193

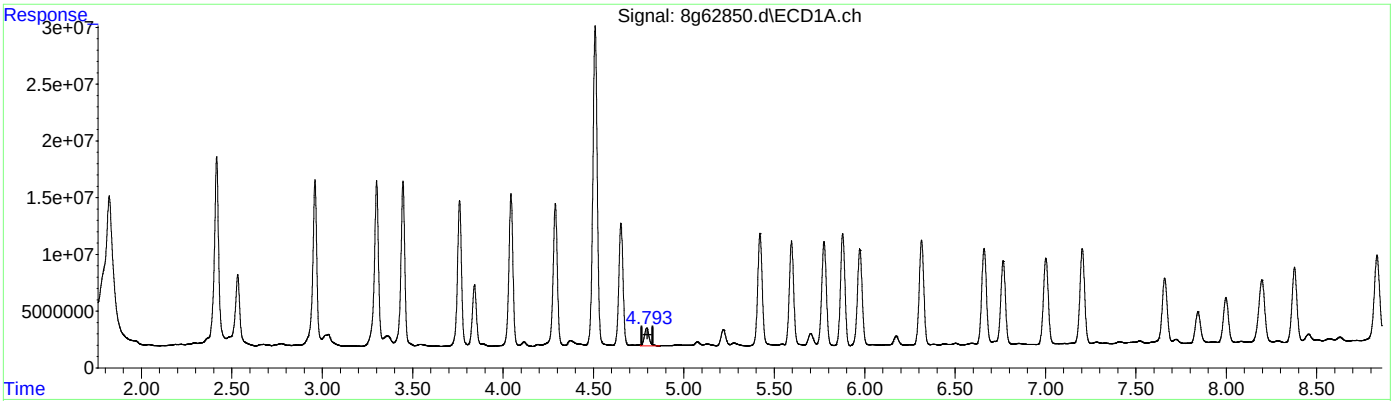
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:39:35 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62850.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 5:26 pm
Operator : kyrac
Sample : op59852-msd m
Misc : op59852,g8g2704,5.3,,,10,1
ALS Vial : 83 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:20:10 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(10) alachlor

4.793min 2.655 PPB m

response 28291657

(10) alachlor #2

5.778min 1.745 PPB

response 61734193

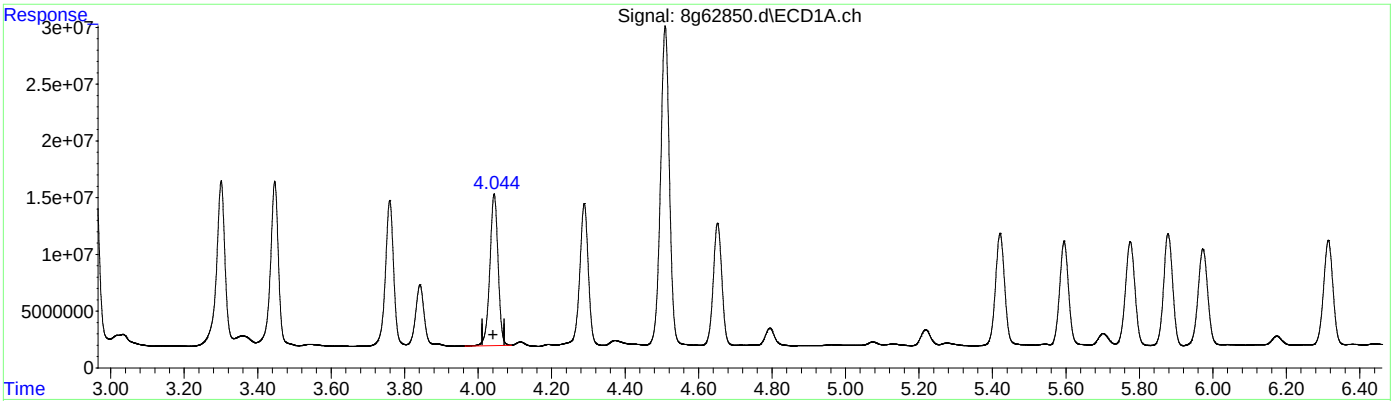
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:39:41 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62850.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 5:26 pm
Operator : kyrac
Sample : op59852-msd m
Misc : op59852,g8g2704,5.3,,,10,1
ALS Vial : 83 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:20:10 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(8) delta-BHC (B)

4.044min 2.671 PPB

response 209513975

(8) delta-BHC #2 (B)

5.405min 1.844 PPB

response 463525074

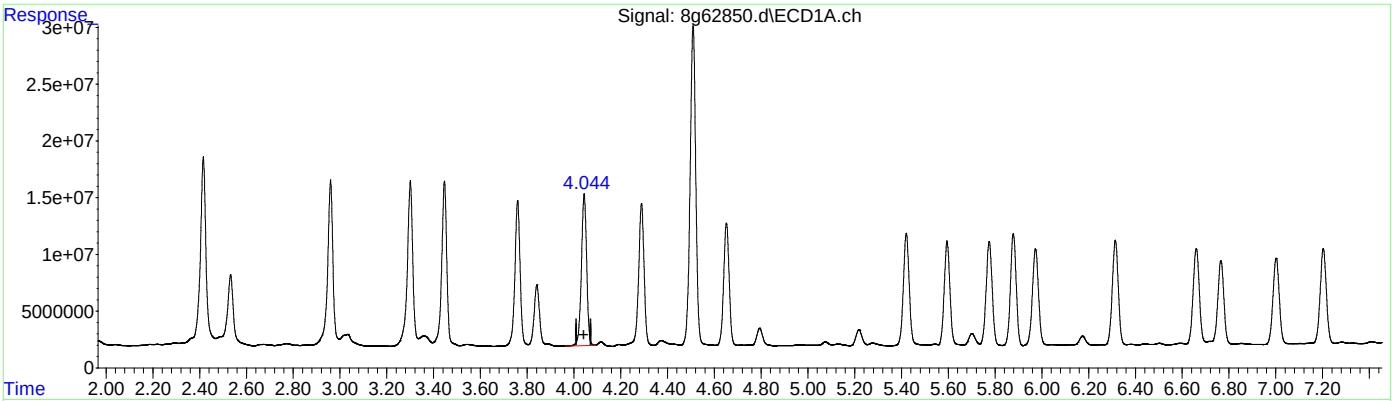
(+) = Expected Retention Time

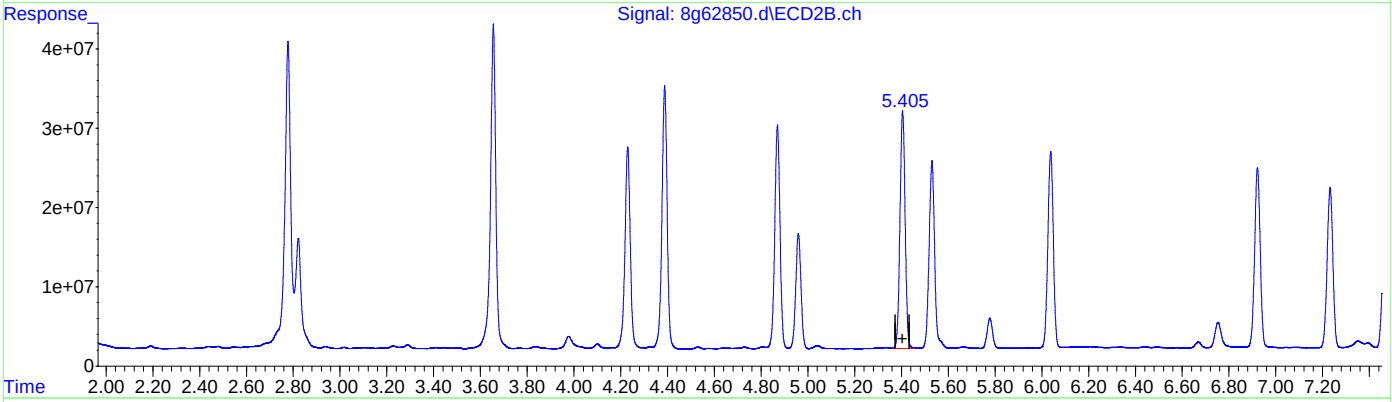
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62850.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 5:26 pm
Operator : kyrac
Sample : op59852-msd m
Misc : op59852,g8g2704,5.3,,,10,1
ALS Vial : 83 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:20:10 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(8) delta-BHC (B)

4.044min 2.671 PPB

response 209513975

(8) delta-BHC #2 (B)

5.405min 1.834 PPB m

response 460957471

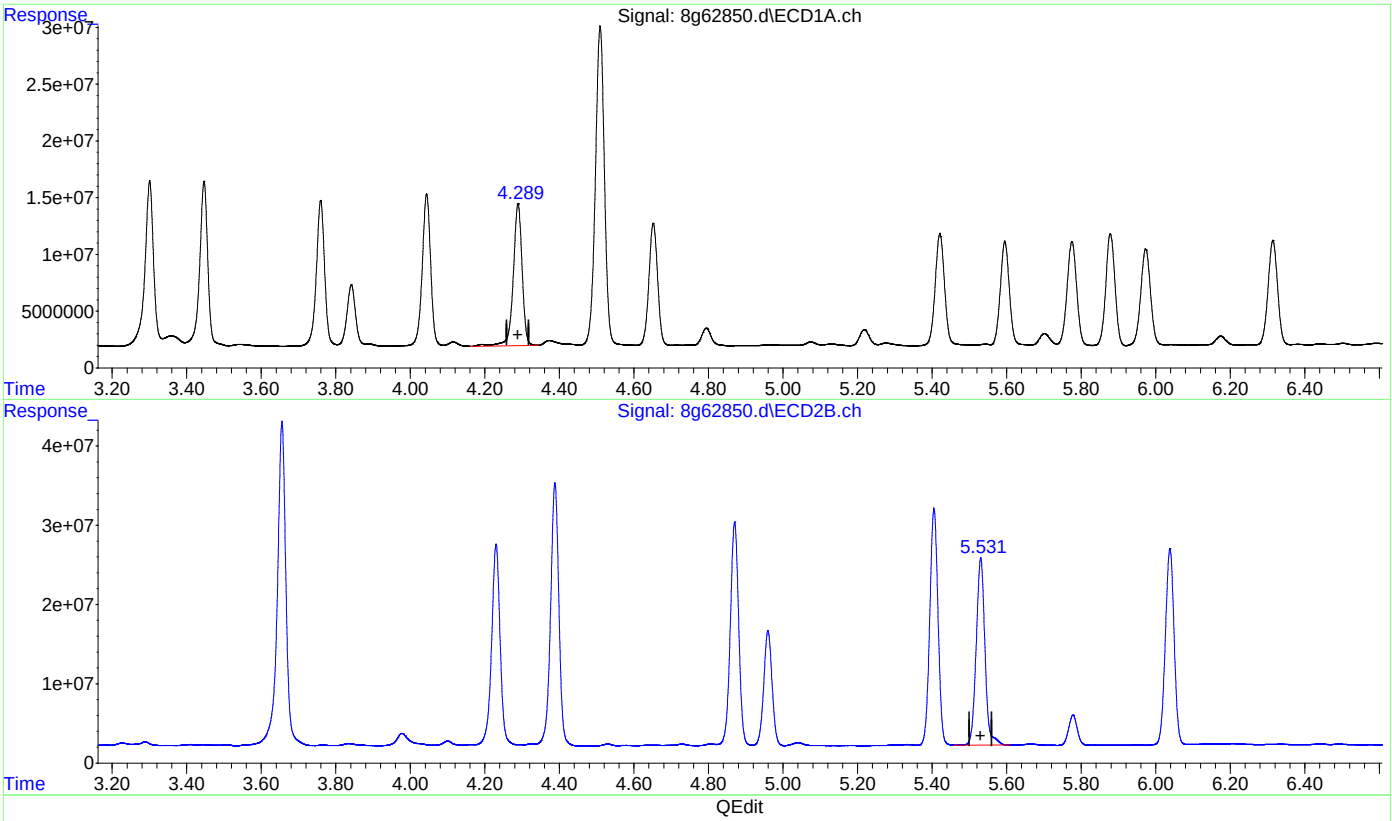
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:39:51 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62850.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 5:26 pm
Operator : kyrac
Sample : op59852-msd m
Misc : op59852,g8g2704,5.3,,,10,1
ALS Vial : 83 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:20:10 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(6) Heptachlor (MA)

4.289min 2.588 PPB

response 208339576

(6) Heptachlor #2 (MA)

5.530min 1.689 PPB

response 386966096

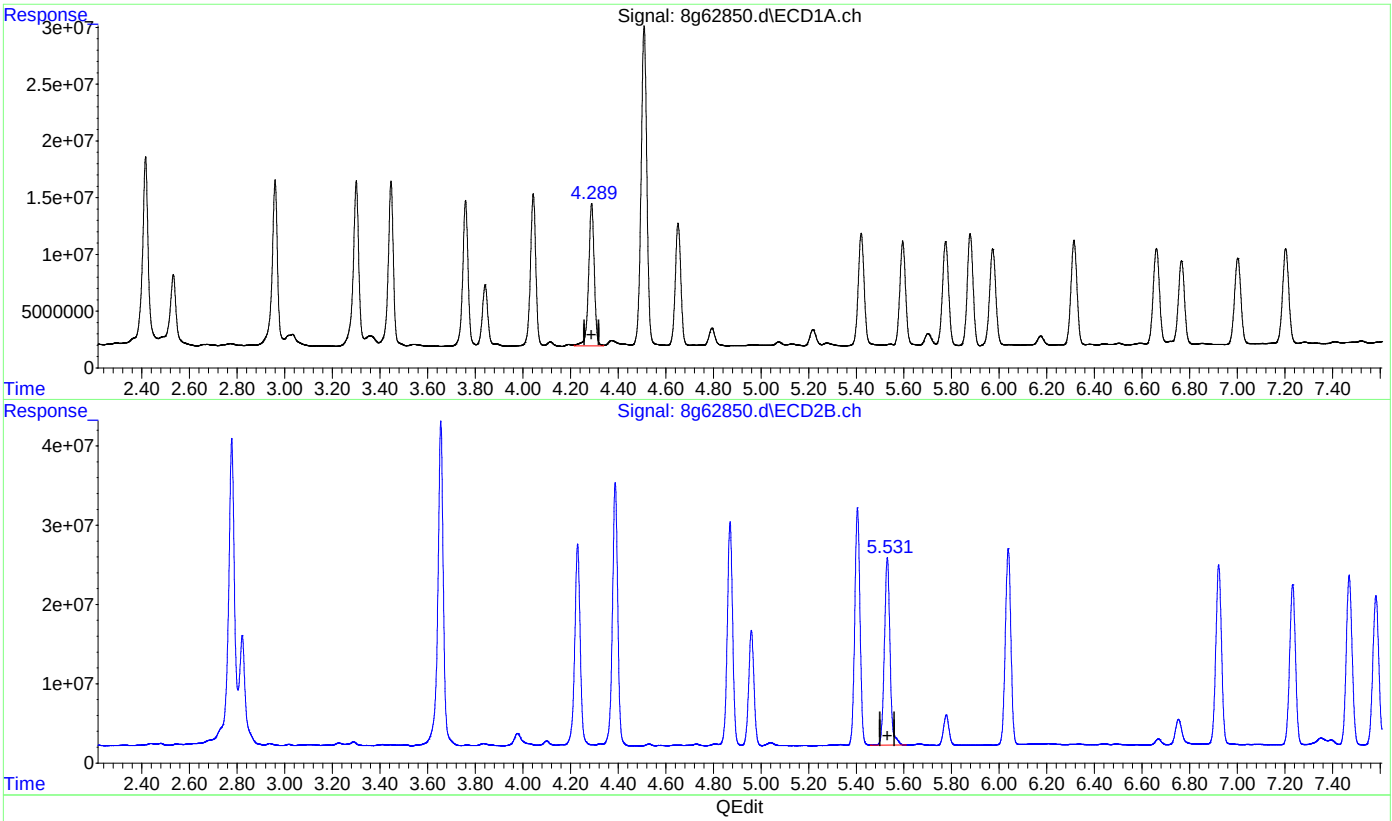
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:39:54 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62850.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 5:26 pm
Operator : kyrac
Sample : op59852-msd m
Misc : op59852,g8g2704,5.3,,,10,1
ALS Vial : 83 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:20:10 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(6) Heptachlor (MA)

4.289min 2.564 PPB m

response 206367938

(6) Heptachlor #2 (MA)

5.530min 1.689 PPB

response 386966096

(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:39:58 2024

Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug 12/09/24 11:00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103139.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 11:12 am
Operator : rebeccak
Sample : ddt
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 1 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 21:51:23 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 21:33:10 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1)	I 1-bromo-2...	4.837	5.233	2983.5E6	5600.7E6	5.000	5.000
27)	I 1-bromo-2...	4.837	5.233	2983.5E6	5600.7E6	5.000	5.000
33)	I 1-bromo-2...	4.837	5.233	2983.5E6	5600.7E6	5.000	5.000
	System Monitoring Compounds						
2)	SAB Tetrachlo...	5.507	6.169f	3003.0E6	5025.1E6	4.518	4.210
	Spiked Amount 40.000	Range 30 - 150		Recovery =		11.30%#	10.53%#
26)	SA Decachlor...	12.951f	14.850	2402.9E6	4818.0E6	3.006	5.340 #
	Spiked Amount 40.000			Recovery =		7.51%	13.35%
	Target Compounds						
15)	B 4,4'-DDE	8.369f	10.179f	16908622	31739701	0.020	0.019m
17)	MA Endrin	9.092f	11.008f	3412.7E6	4190.1E6	4.356	3.191 #
18)	A 4,4'-DDD	9.216f	11.161f	34031157	56566181	0.047	0.042m
20)	MA 4,4'-DDT	9.632f	11.716f	6082.6E6	7096.6E6	8.270	4.922 #
21)	B Endrin Al...	10.055f	11.961f	43931020	99079371	0.069	0.081m
25)	B Endrin Ke...	11.181f	13.347f	53624716	109.7E6	0.062	0.081m#
	Sum Toxaphene			0	0	N.D.	N.D.
	Average Toxaphene					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

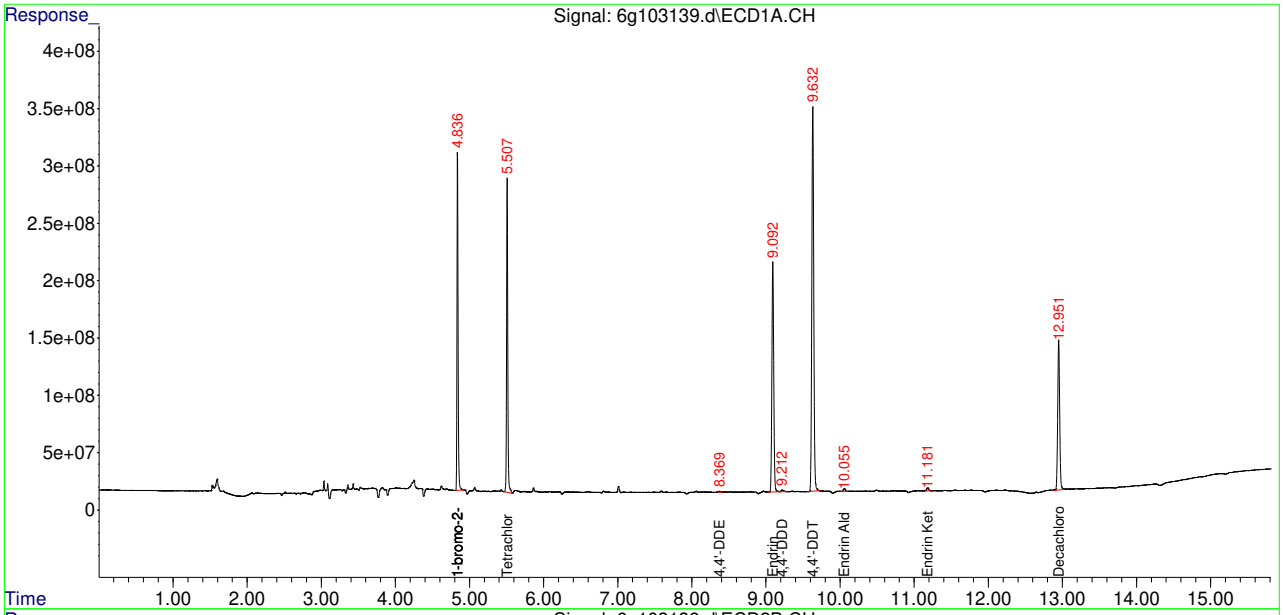
7.5.1
7

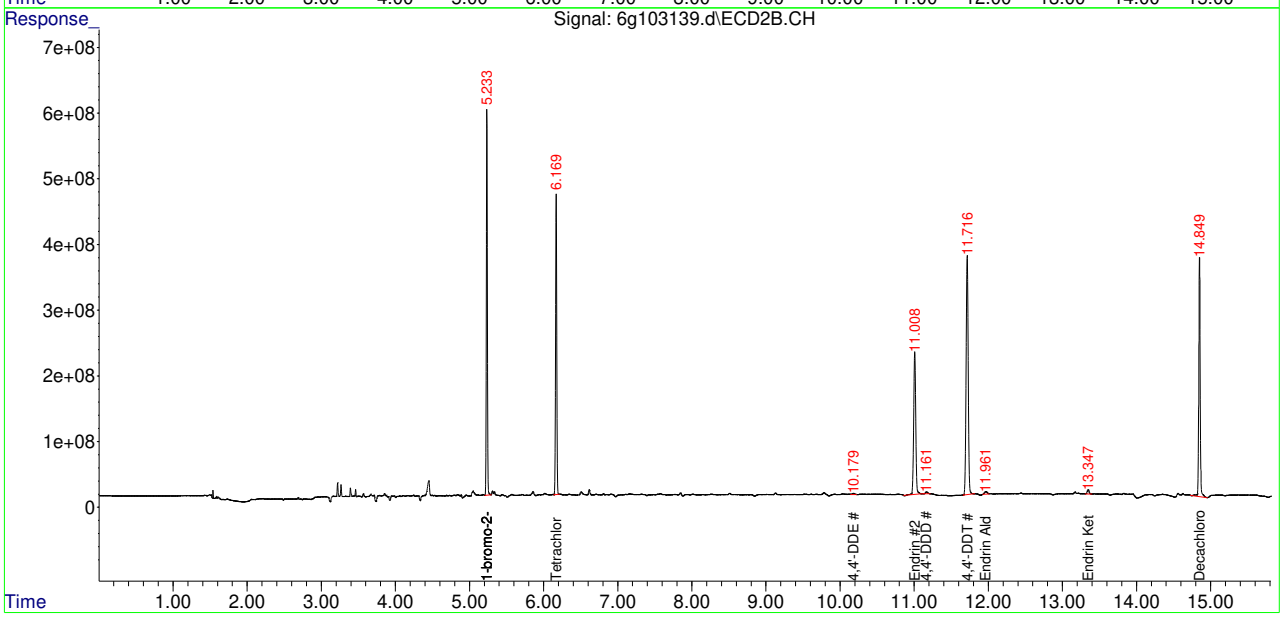
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103139.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 11:12 am
Operator : rebeccak
Sample : ddt
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 1 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 21:51:23 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 21:33:10 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





Manual Integration Approval Summary

Sample Number: G6G3879-DDT
Lab FileID: 6G103139.D
Injection Time: 12/06/24 11:12
Method: SW846 8081B
Analyst approved: 12/08/24 21:48 Rebecca Krug
Supervisor approved: 12/09/24 11:00 Rebecca Krug

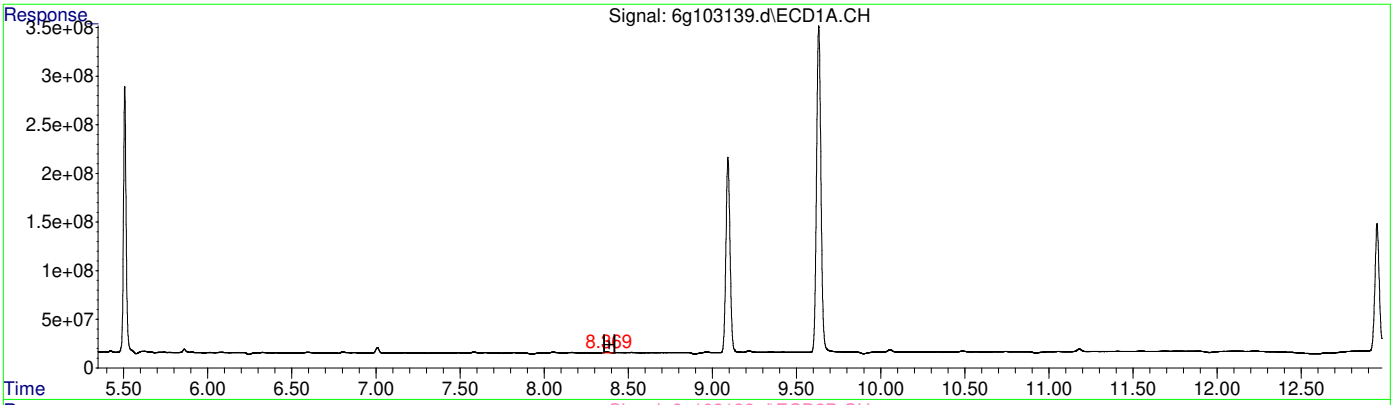
Parameter	CAS	Sig#	R.T. (min.)	Reason
4,4'-DDE	72-55-9	2	10.18	Poorly defined baseline
4,4'-DDD	72-54-8	2	11.16	Poorly defined baseline
Endrin aldehyde	7421-93-4	2	11.96	Poorly defined baseline
Endrin ketone	53494-70-5	2	13.35	Poorly defined baseline

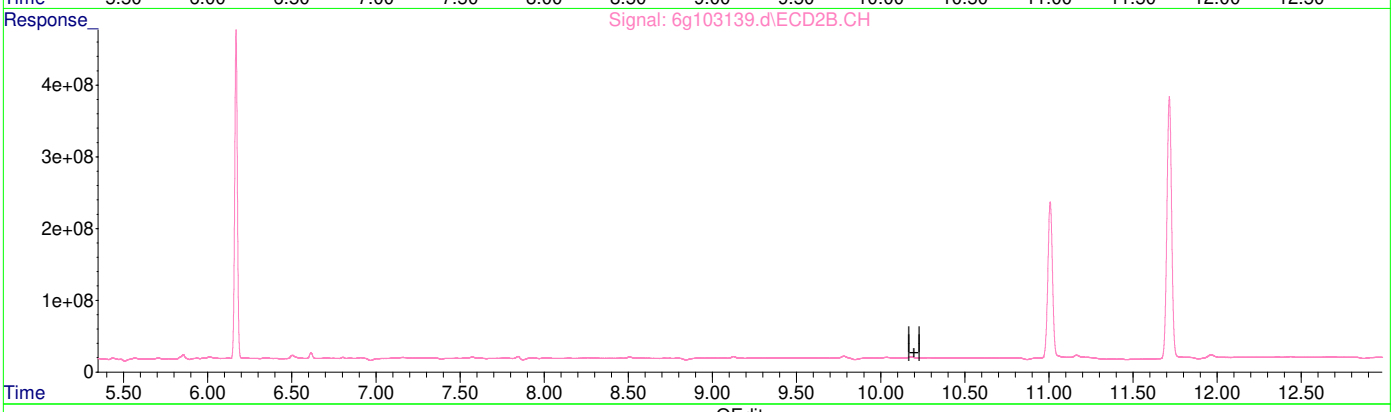
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103139.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 11:12 am
Operator : rebeccak
Sample : ddt
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 1 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 21:49:26 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 21:33:10 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(15) 4,4'-DDE (B)

8.369min 0.020 PPB

response 16908622

(15) 4,4'-DDE #2 (B)

0.000min 0.000 PPB

response 0

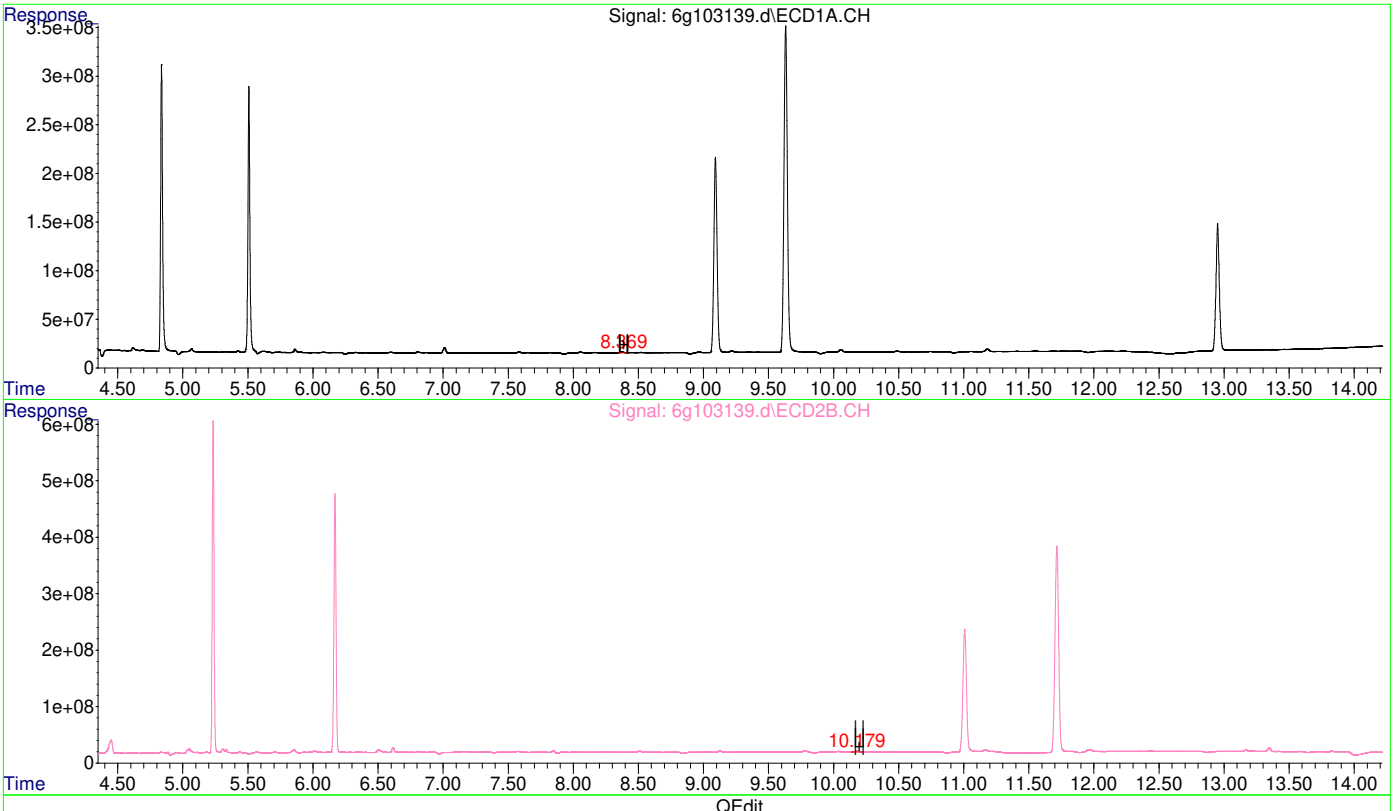
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 21:50:09 2024

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103139.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 11:12 am
Operator : rebeccak
Sample : ddt
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 1 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 21:49:26 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 21:33:10 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



(15) 4,4'-DDE (B)

8.369min 0.020 PPB

response 16908622

(15) 4,4'-DDE #2 (B)

10.179min 0.019 PPB m

response 31739701

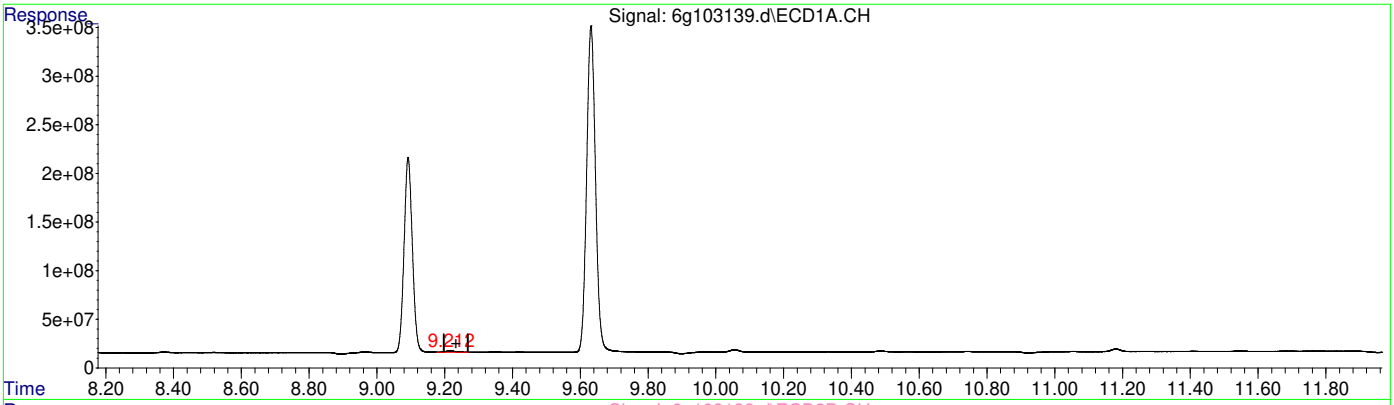
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 21:50:27 2024

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103139.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 11:12 am
Operator : rebeccak
Sample : ddt
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 1 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 21:49:26 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 21:33:10 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



QEdit

(18) 4,4'-DDD (A)

9.216min 0.047 PPB

response 34031157

(18) 4,4'-DDD #2 (A)

0.000min 0.000 PPB

response 0

(+) = Expected Retention Time

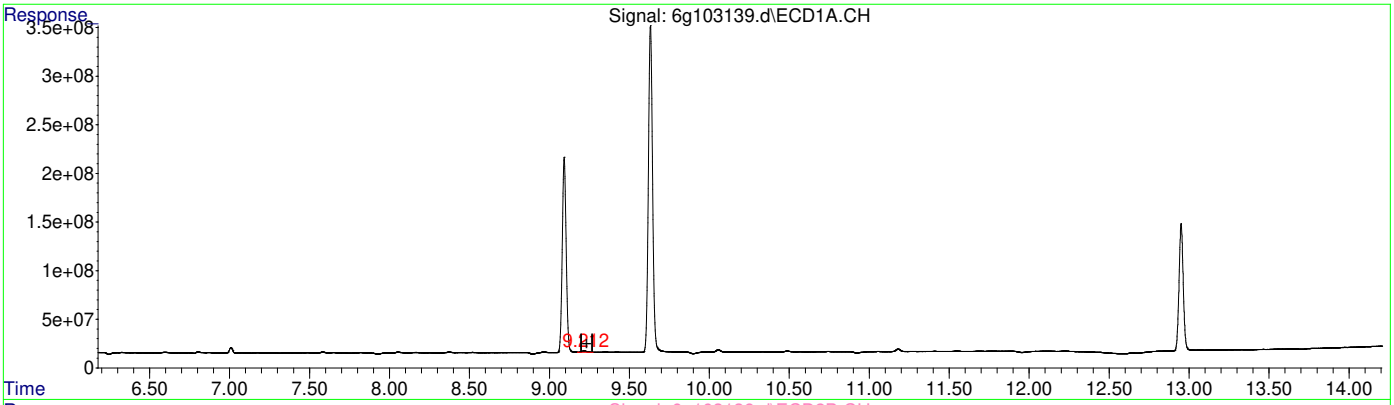
6PSTLVI3879a.M Fri Dec 06 21:50:35 2024 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103139.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 11:12 am
Operator : rebeccak
Sample : ddt
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 1 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 21:49:26 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 21:33:10 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



QEdit

(18) 4,4'-DDD (A)

9.216min 0.047 PPB

response 34031157

(18) 4,4'-DDD #2 (A)

11.161min 0.042 PPB m

response 56566181

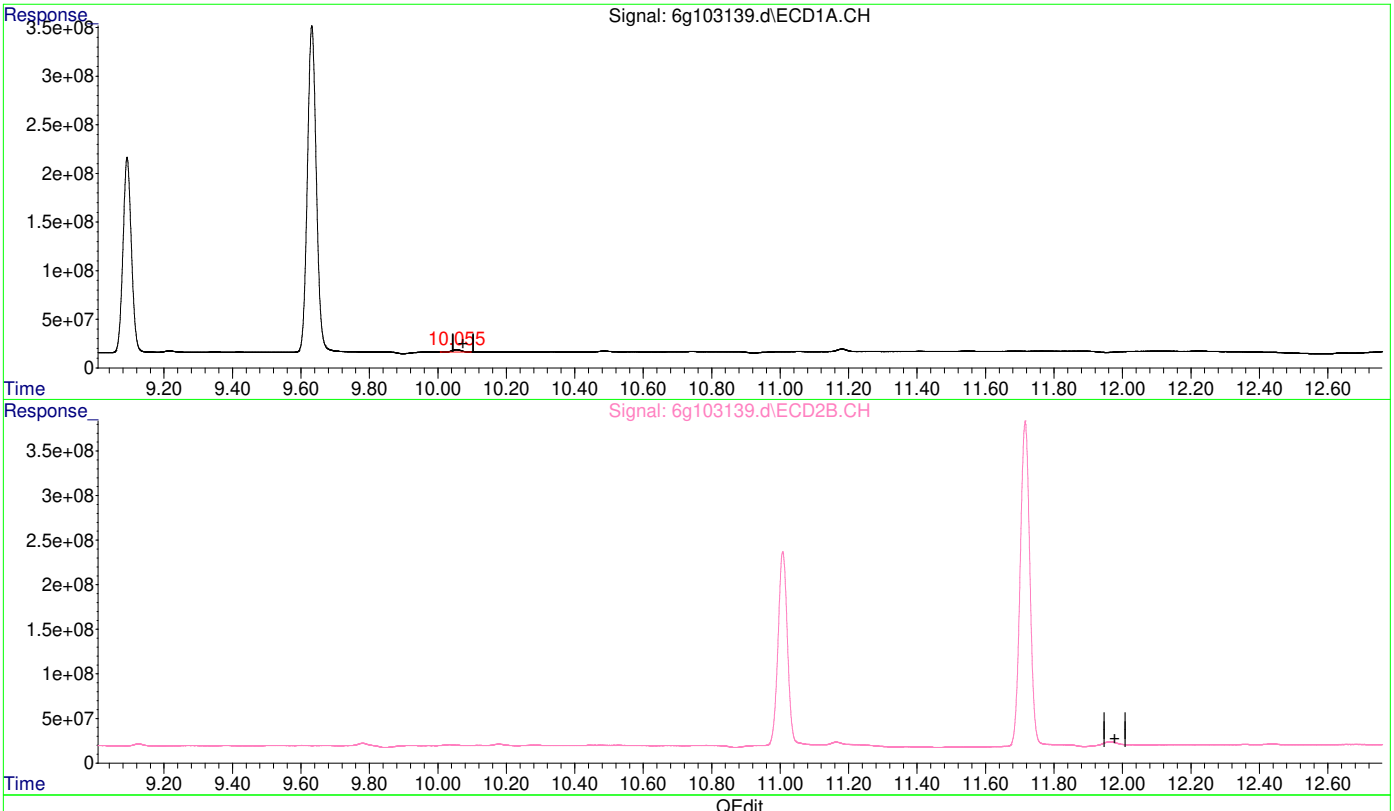
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 21:50:50 2024

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103139.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 11:12 am
Operator : rebeccak
Sample : ddt
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 1 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 21:49:26 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 21:33:10 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



(21) Endrin Aldehyde (B)

10.055min 0.069 PPB

response 43931020

(21) Endrin Aldehyde #2 (B)

0.000min 0.000 PPB

response 0

(+) = Expected Retention Time

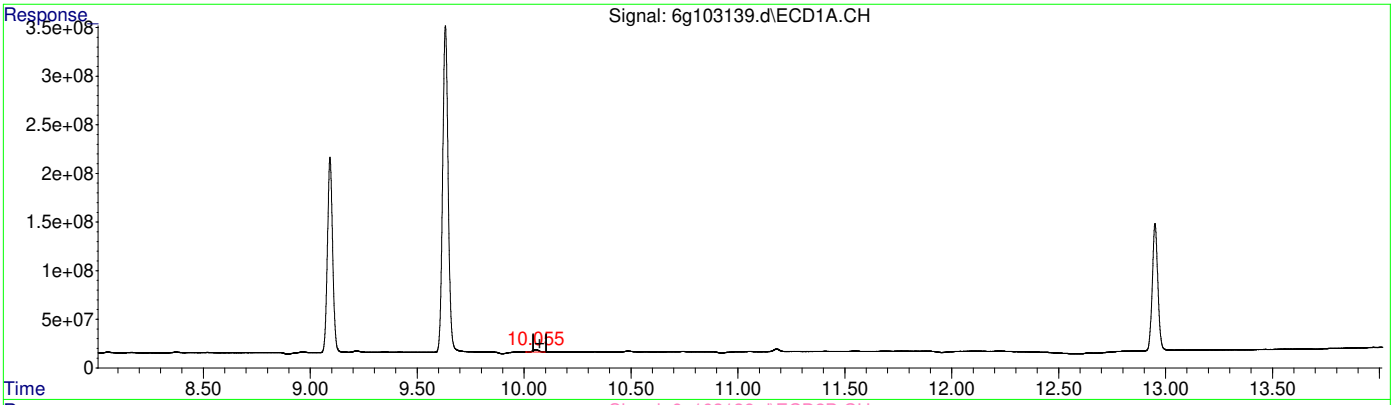
6PSTLVI3879a.M Fri Dec 06 21:50:59 2024

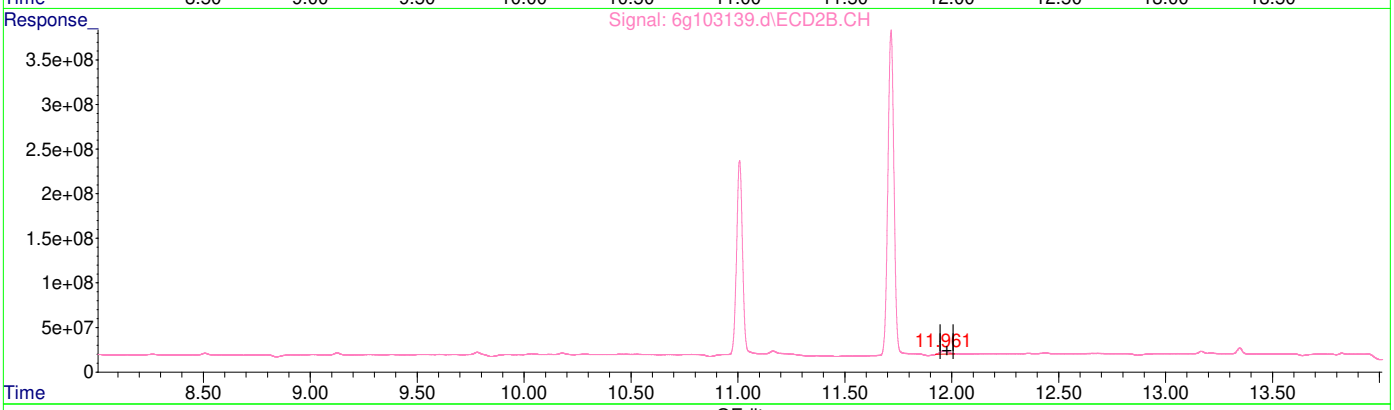
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103139.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 11:12 am
Operator : rebeccak
Sample : ddt
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 1 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 21:49:26 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 21:33:10 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(21) Endrin Aldehyde (B)

10.055min 0.069 PPB

response 43931020

(21) Endrin Aldehyde #2 (B)

11.961min 0.081 PPB m

response 99079371

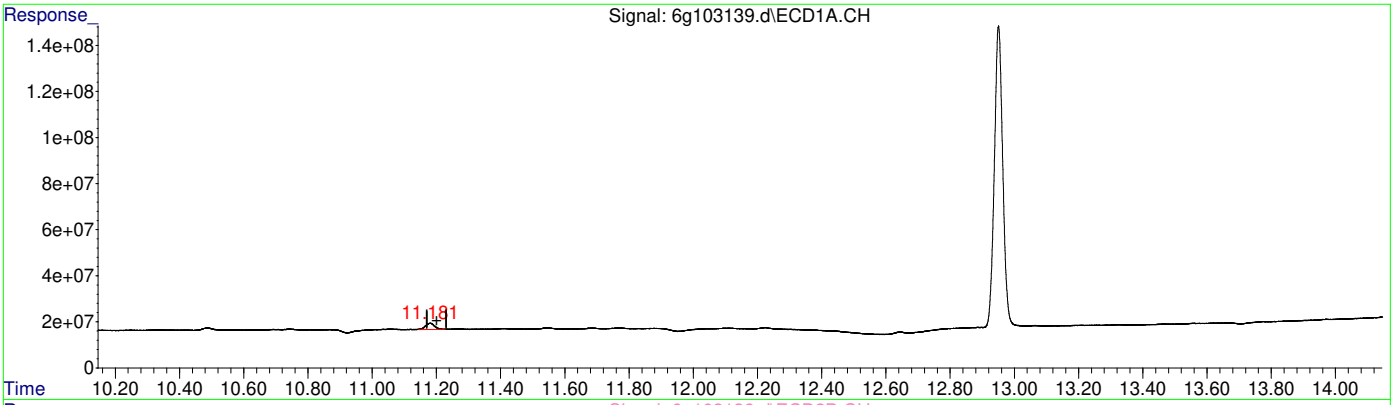
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 21:51:08 2024

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103139.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 11:12 am
Operator : rebeccak
Sample : ddt
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 1 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 21:49:26 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 21:33:10 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



QEdit

(25) Endrin Ketone (B)

11.181min 0.062 PPB

response 53624716

(25) Endrin Ketone #2 (B)

0.000min 0.000 PPB

response 0

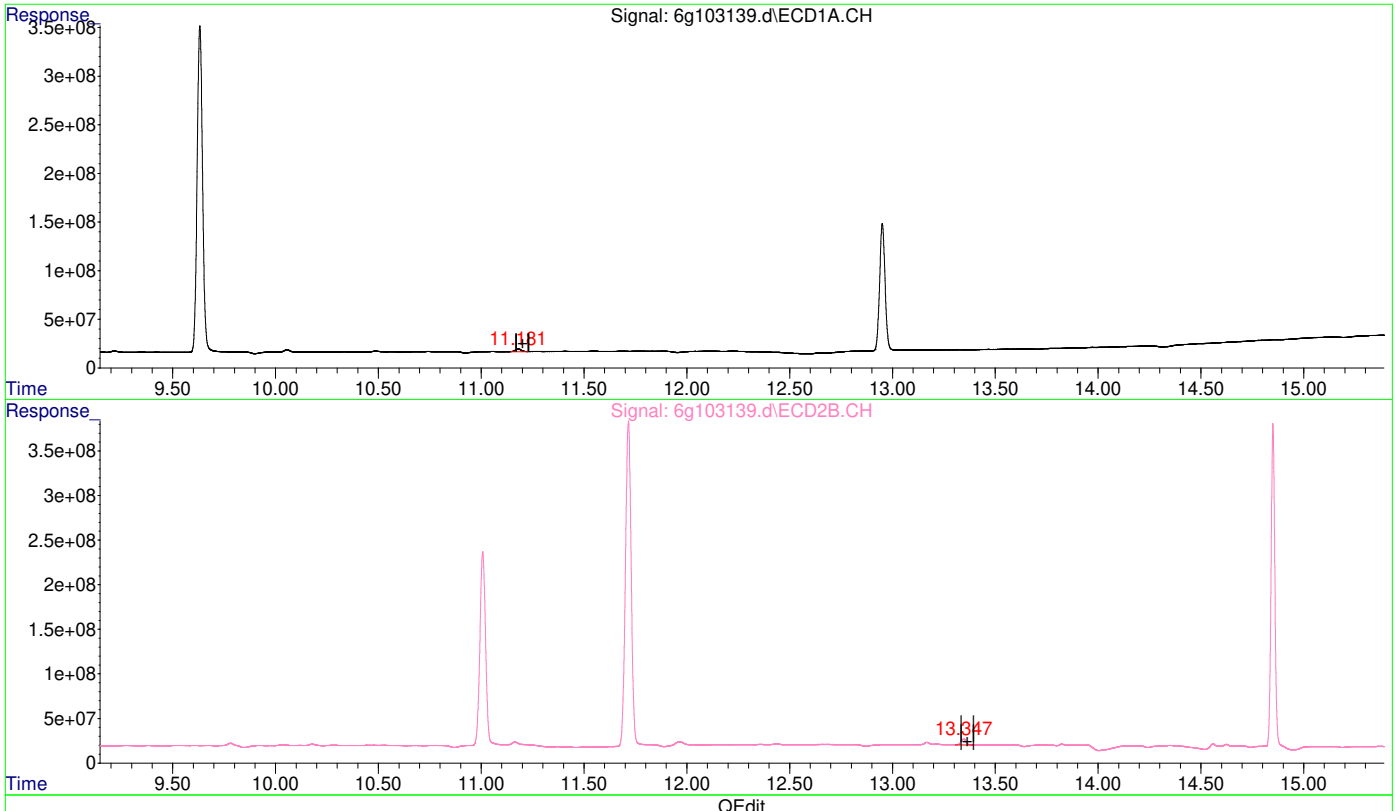
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 21:51:17 2024

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103139.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 11:12 am
Operator : rebeccak
Sample : ddt
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 1 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 21:49:26 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 21:33:10 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



(25) Endrin Ketone (B)

11.181min 0.062 PPB

response 53624716

(25) Endrin Ketone #2 (B)

13.347min 0.081 PPB m

response 109736101

(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 21:51:27 2024

Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug 12/09/24 11:00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103158.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Dec 2024 5:24 am
Operator : rebeccak
Sample : ddt
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 1 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 08 21:44:00 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Sun Dec 08 21:21:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1)	I 1-bromo-2...	4.829f	5.227f	2935.2E6	5370.1E6	5.000	5.000
27)	I 1-bromo-2...	4.829	5.227	2935.2E6	5370.1E6	5.000	5.000
33)	I 1-bromo-2...	4.829	5.227	2935.2E6	5370.1E6	5.000	5.000
	System Monitoring Compounds						
2)	SAB Tetrachlo...	5.501f	6.163f	3038.2E6	4599.9E6	4.866	4.650
	Spiked Amount 40.000	Range 30 - 150		Recovery =		12.16%#	11.63%#
26)	SA Decachlor...	12.943f	14.849f	2362.6E6	5170.9E6	4.731m	5.149
	Spiked Amount 40.000			Recovery =		11.83%	12.87%
	Target Compounds						
15)	B 4,4'-DDE	8.364f	10.170f	18681771	36717106	0.025m	0.033m#
17)	MA Endrin	9.083f	11.001f	3174.4E6	3896.5E6	4.374m	4.445
18)	A 4,4'-DDD	9.207f	11.155f	41889514	95690279	0.069m	0.105m#
20)	MA 4,4'-DDT	9.623f	11.711f	5857.7E6	7285.7E6	9.052m	7.812
25)	B Endrin Ke...	11.171f	13.343f	69741087	102.7E6	0.109	0.088m
	Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene						0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

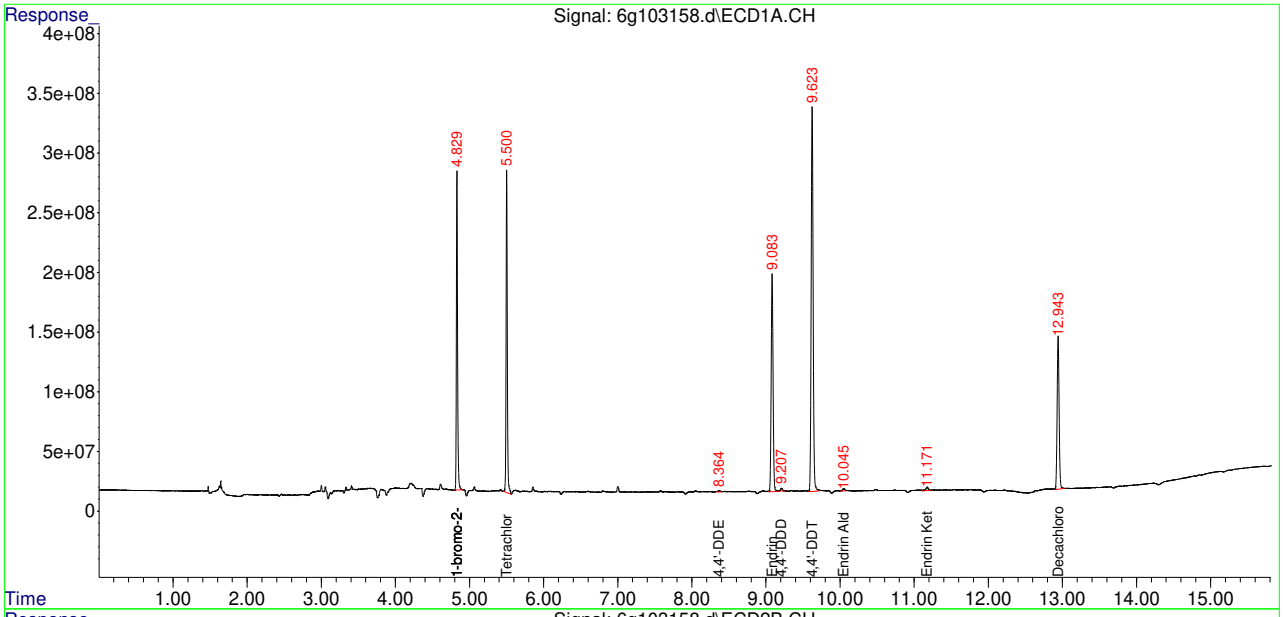
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

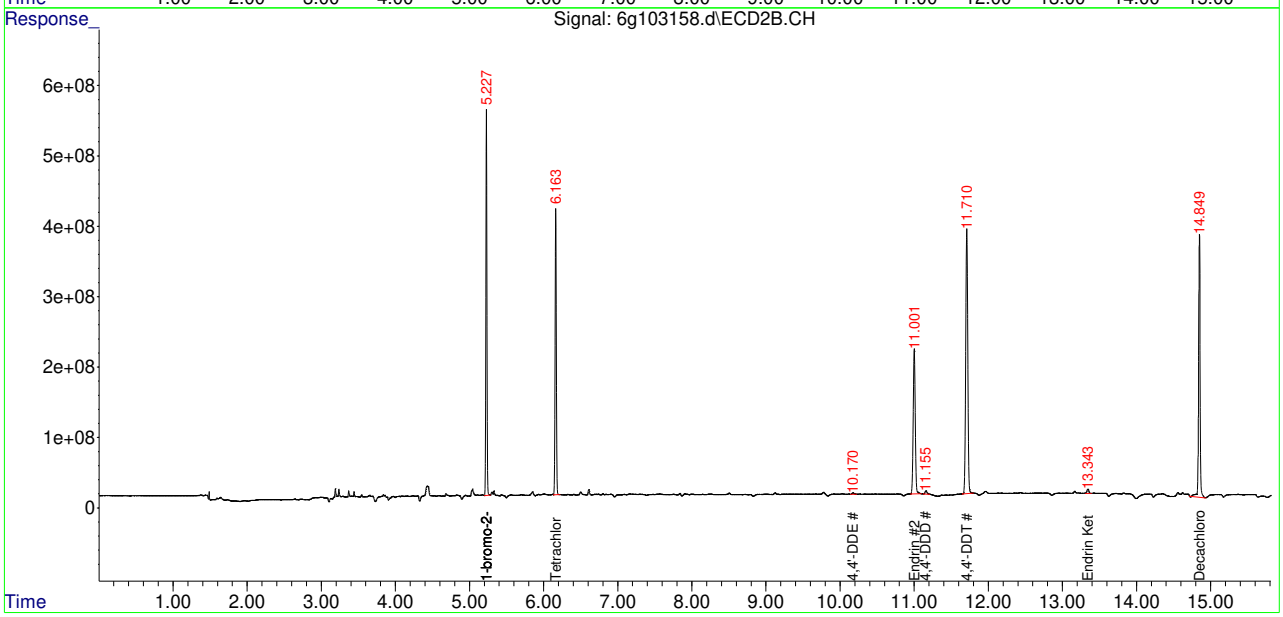
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103158.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Dec 2024 5:24 am
Operator : rebeccak
Sample : ddt
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 1 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 08 21:44:00 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Sun Dec 08 21:21:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





Manual Integration Approval Summary

Sample Number: G6G3879-DDT
Lab FileID: 6G103158.D
Injection Time: 12/07/24 05:24
Method: SW846 8081B
Analyst approved: 12/08/24 21:53 Rebecca Krug
Supervisor approved: 12/09/24 11:00 Rebecca Krug

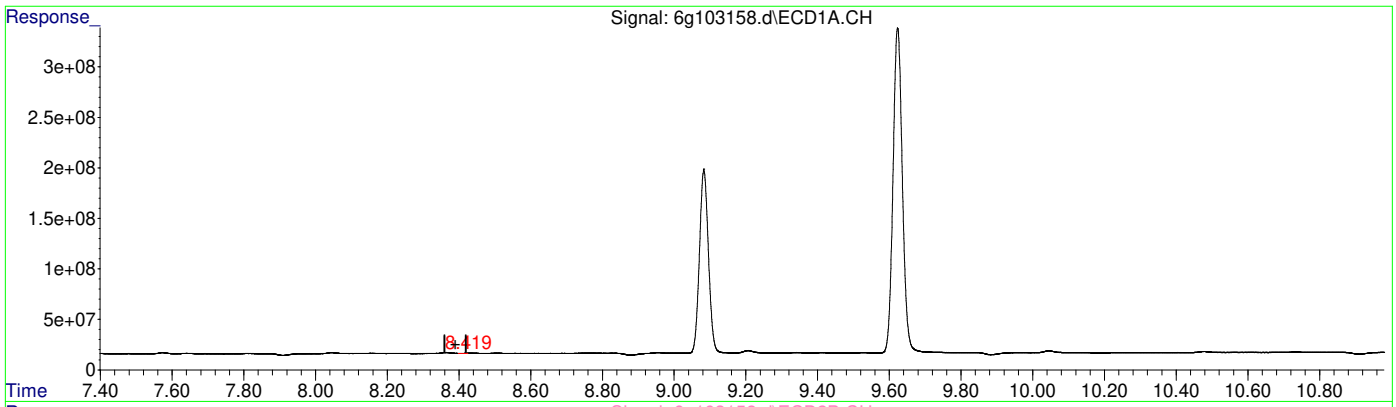
Parameter	CAS	Sig#	R.T. (min.)	Reason
4,4'-DDE	72-55-9	1	8.36	Poorly defined baseline
Endrin	72-20-8	1	9.08	Poorly defined baseline
4,4'-DDD	72-54-8	1	9.21	Poorly defined baseline
4,4'-DDT	50-29-3	1	9.62	Poorly defined baseline
Endrin aldehyde	7421-93-4	1	10.04	Poorly defined baseline
4,4'-DDE	72-55-9	2	10.17	Poorly defined baseline
4,4'-DDD	72-54-8	2	11.15	Poorly defined baseline
Decachlorobiphenyl	2051-24-3	1	12.94	Poorly defined baseline
Endrin ketone	53494-70-5	2	13.34	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103158.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Dec 2024 5:24 am
Operator : rebeccak
Sample : ddt
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 1 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 08 21:41:51 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Sun Dec 08 21:21:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



QEdit

(15) 4,4'-DDE (B)

8.417min 0.001 PPB

response 589936

(15) 4,4'-DDE #2 (B)

0.000min 0.000 PPB

response 0

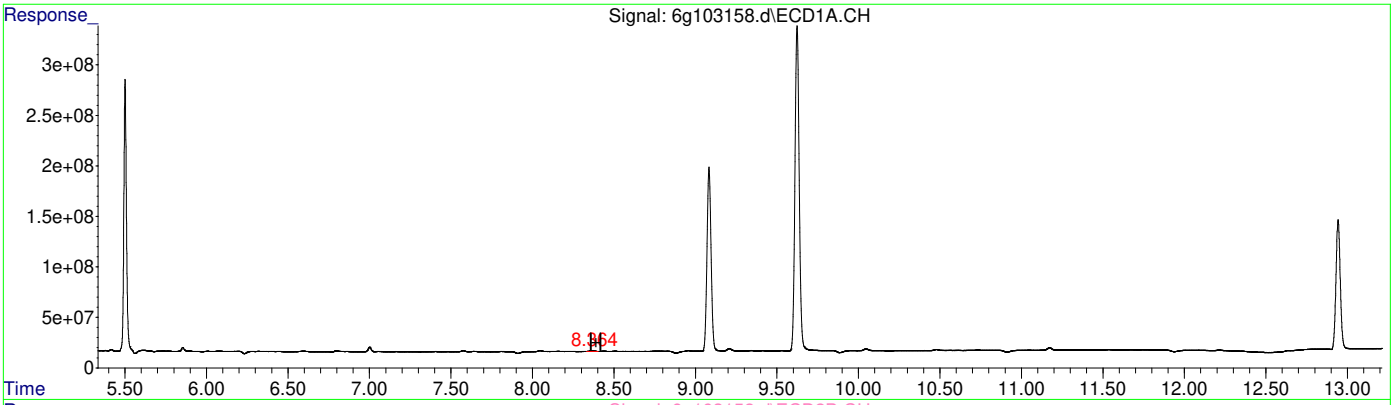
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103158.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Dec 2024 5:24 am
Operator : rebeccak
Sample : ddt
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 1 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 08 21:41:51 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Sun Dec 08 21:21:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



QEdit

(15) 4,4'-DDE (B)

8.364min 0.025 PPB m

response 18681771

(15) 4,4'-DDE #2 (B)

10.170min 0.033 PPB m

response 36717106

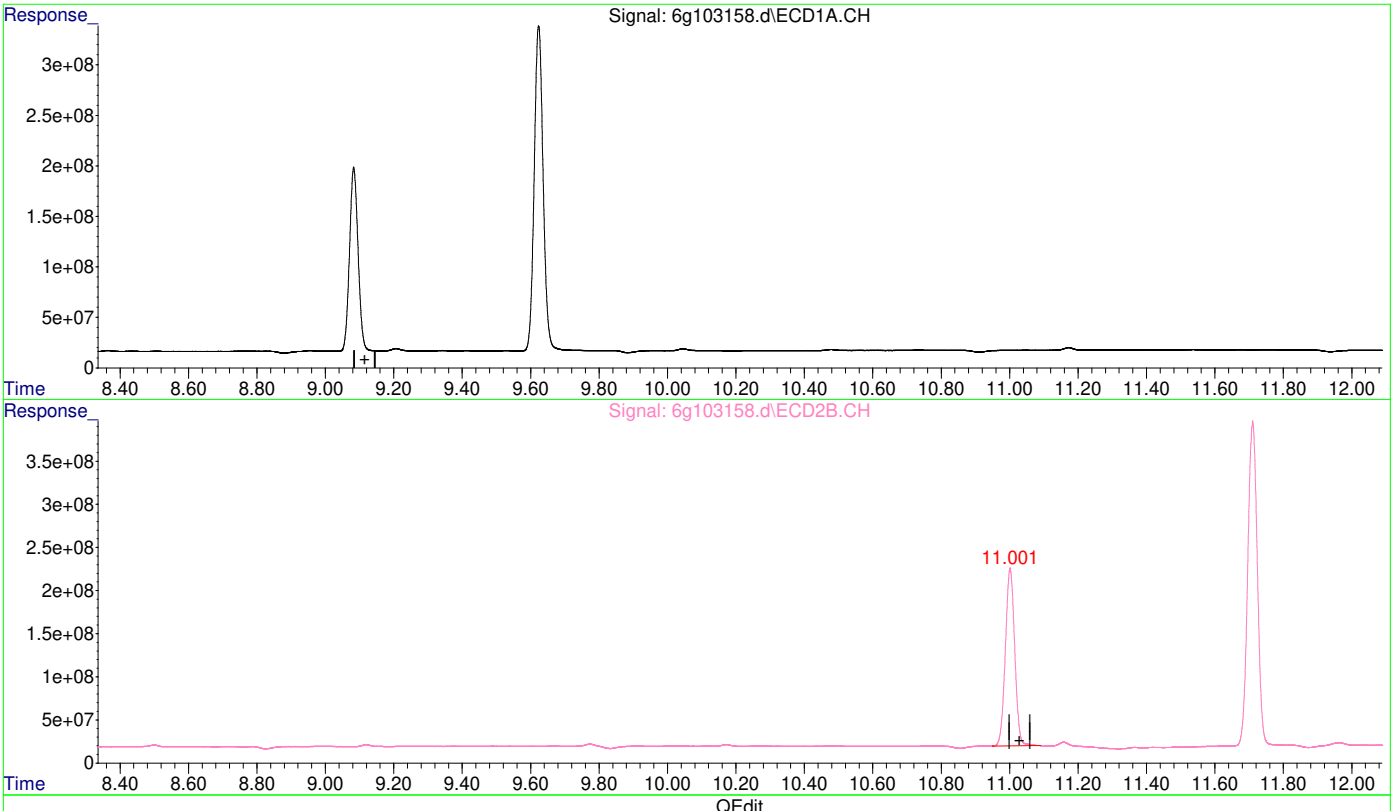
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103158.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Dec 2024 5:24 am
Operator : rebeccak
Sample : ddt
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 1 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 08 21:41:51 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Sun Dec 08 21:21:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



QEdit

(17) Endrin (MA)

0.000min 0.000 PPB

response 0

(17) Endrin #2 (MA)

11.001min 4.445 PPB

response 3896472562

(+) = Expected Retention Time

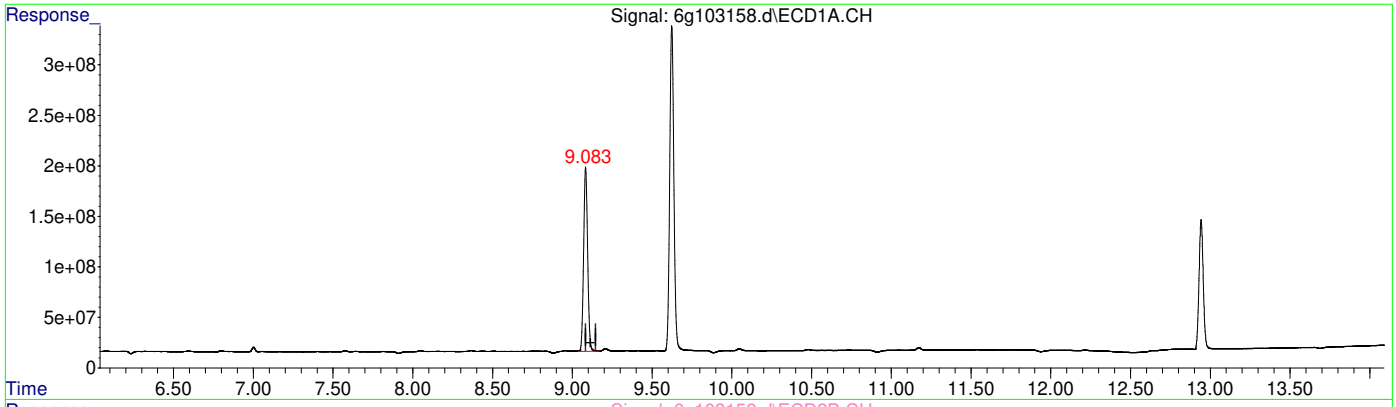
6PSTLVI3879a.M Sun Dec 08 21:42:48 2024 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103158.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Dec 2024 5:24 am
Operator : rebeccak
Sample : ddt
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 1 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 08 21:41:51 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Sun Dec 08 21:21:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



(17) Endrin (MA)

9.083min 4.374 PPB m

response 3174365512

(17) Endrin #2 (MA)

11.001min 4.445 PPB

response 3896472562

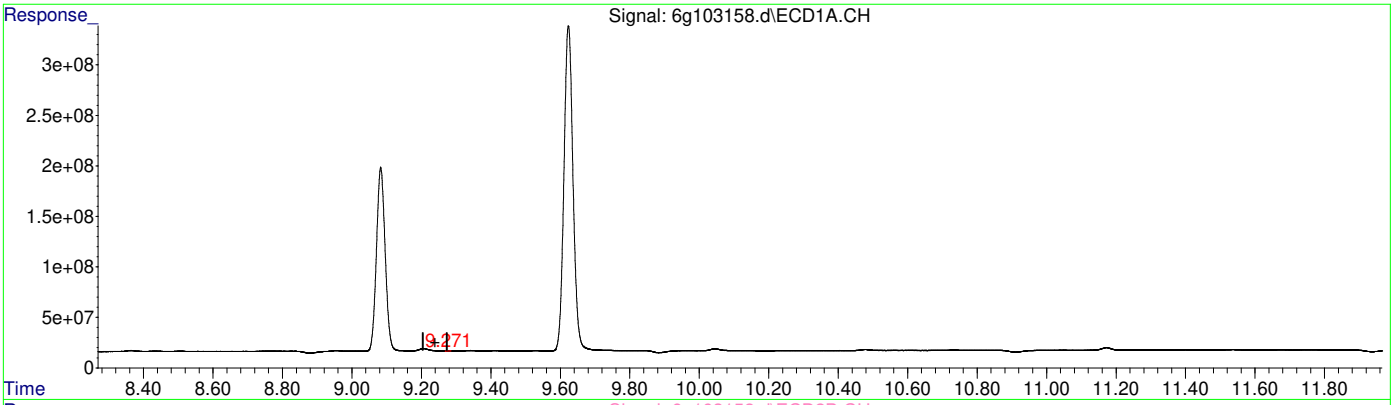
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103158.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Dec 2024 5:24 am
Operator : rebeccak
Sample : ddt
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 1 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 08 21:41:51 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Sun Dec 08 21:21:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



QEdit

(18) 4,4'-DDD (A)

9.271min 0.001 PPB

response 772704

(18) 4,4'-DDD #2 (A)

0.000min 0.000 PPB

response 0

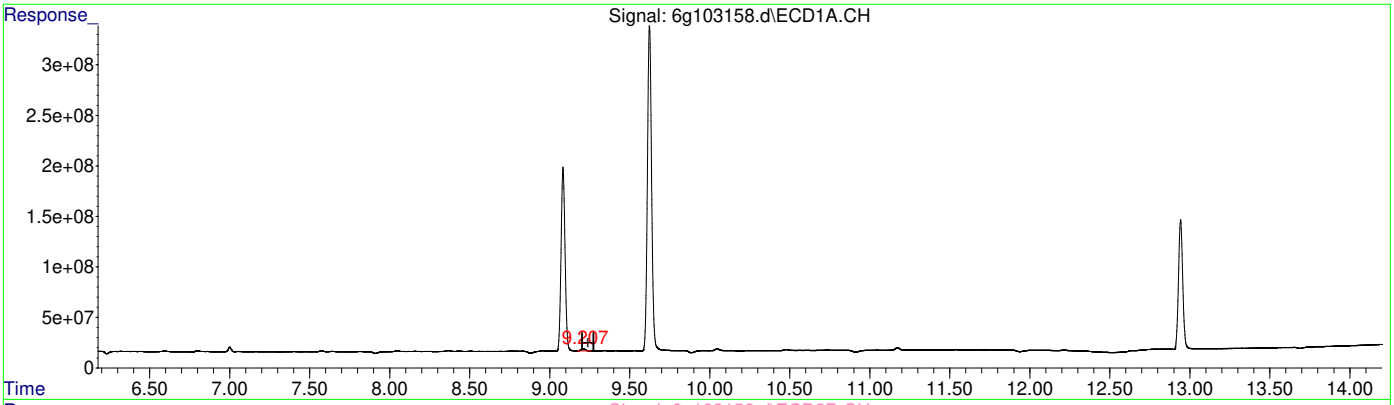
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103158.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Dec 2024 5:24 am
Operator : rebeccak
Sample : ddt
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 1 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 08 21:41:51 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Sun Dec 08 21:21:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



(18) 4,4'-DDD (A)

9.207min 0.069 PPB m

response 41889514

(18) 4,4'-DDD #2 (A)

11.155min 0.105 PPB m

response 95690279

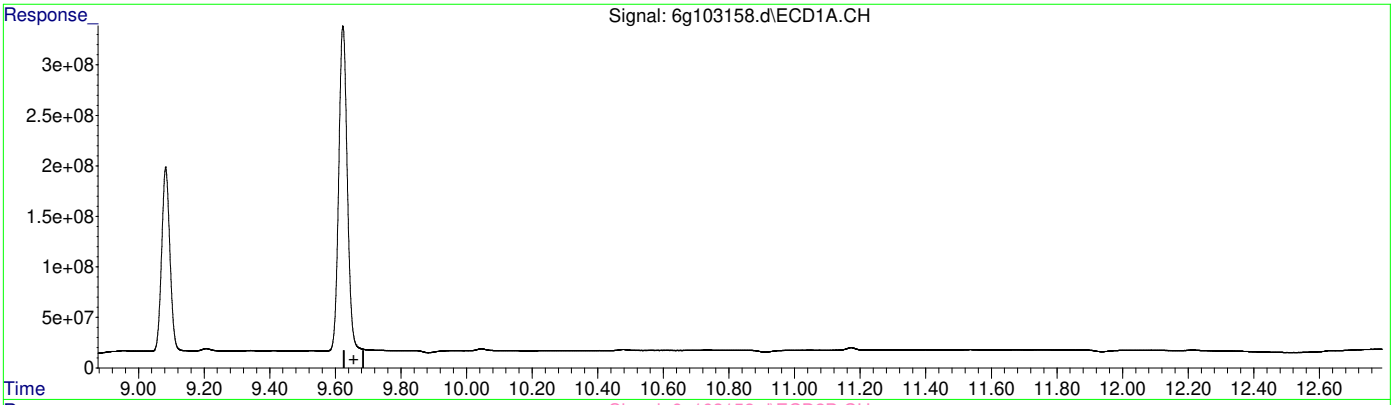
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103158.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Dec 2024 5:24 am
Operator : rebeccak
Sample : ddt
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 1 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 08 21:41:51 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Sun Dec 08 21:21:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



QEdit

(20) 4,4'-DDT (MA)

0.000min 0.000 PPB

response 0

(20) 4,4'-DDT #2 (MA)

11.711min 7.812 PPB

response 7285680066

(+) = Expected Retention Time

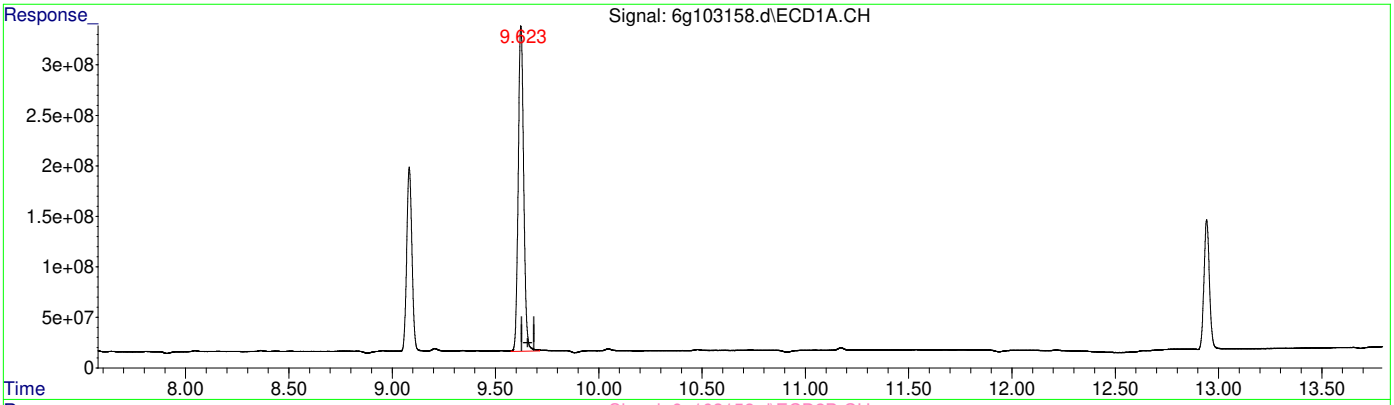
6G103158.D edits: 4,4'-DDT

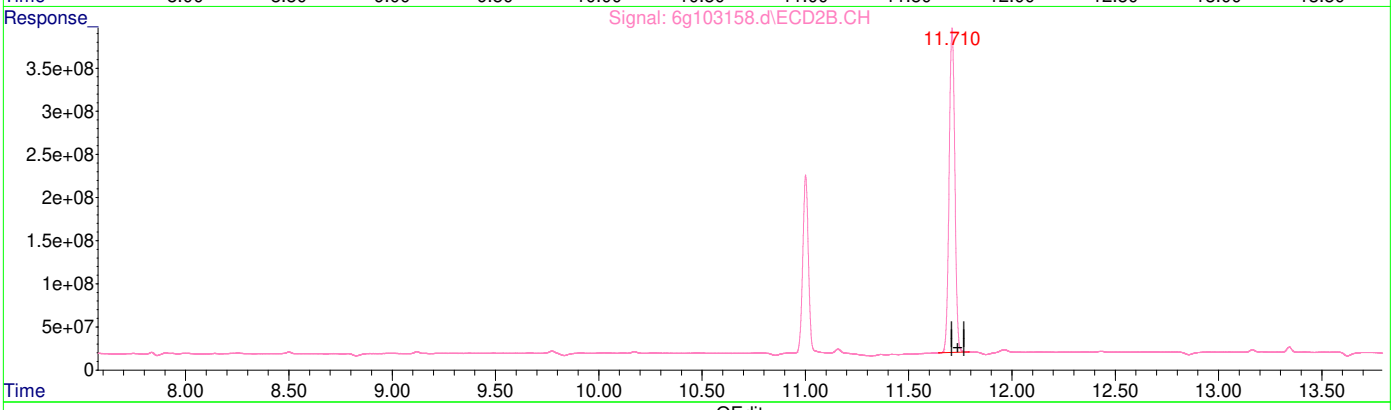
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103158.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Dec 2024 5:24 am
Operator : rebeccak
Sample : ddt
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 1 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 08 21:41:51 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Sun Dec 08 21:21:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(20) 4,4'-DDT (MA)

9.623min 9.052 PPB m

response 5857725784

(20) 4,4'-DDT #2 (MA)

11.711min 7.812 PPB

response 7285680066

(+) = Expected Retention Time
6PSTLVI3879a.M Sun Dec 08 21:43:25 2024

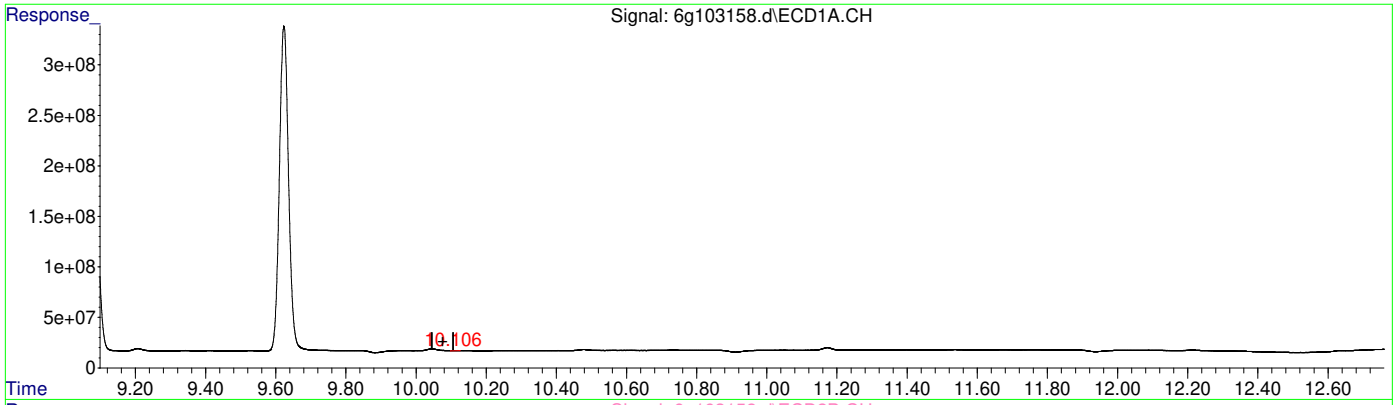
6G103158.D edits: 4,4'-DDT

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103158.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Dec 2024 5:24 am
Operator : rebeccak
Sample : ddt
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 1 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 08 21:41:51 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Sun Dec 08 21:21:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



QEdit

(21) Endrin Aldehyde (B)

10.106min 0.005 PPB

response 2584272

(21) Endrin Aldehyde #2 (B)

0.000min 0.000 PPB

response 0

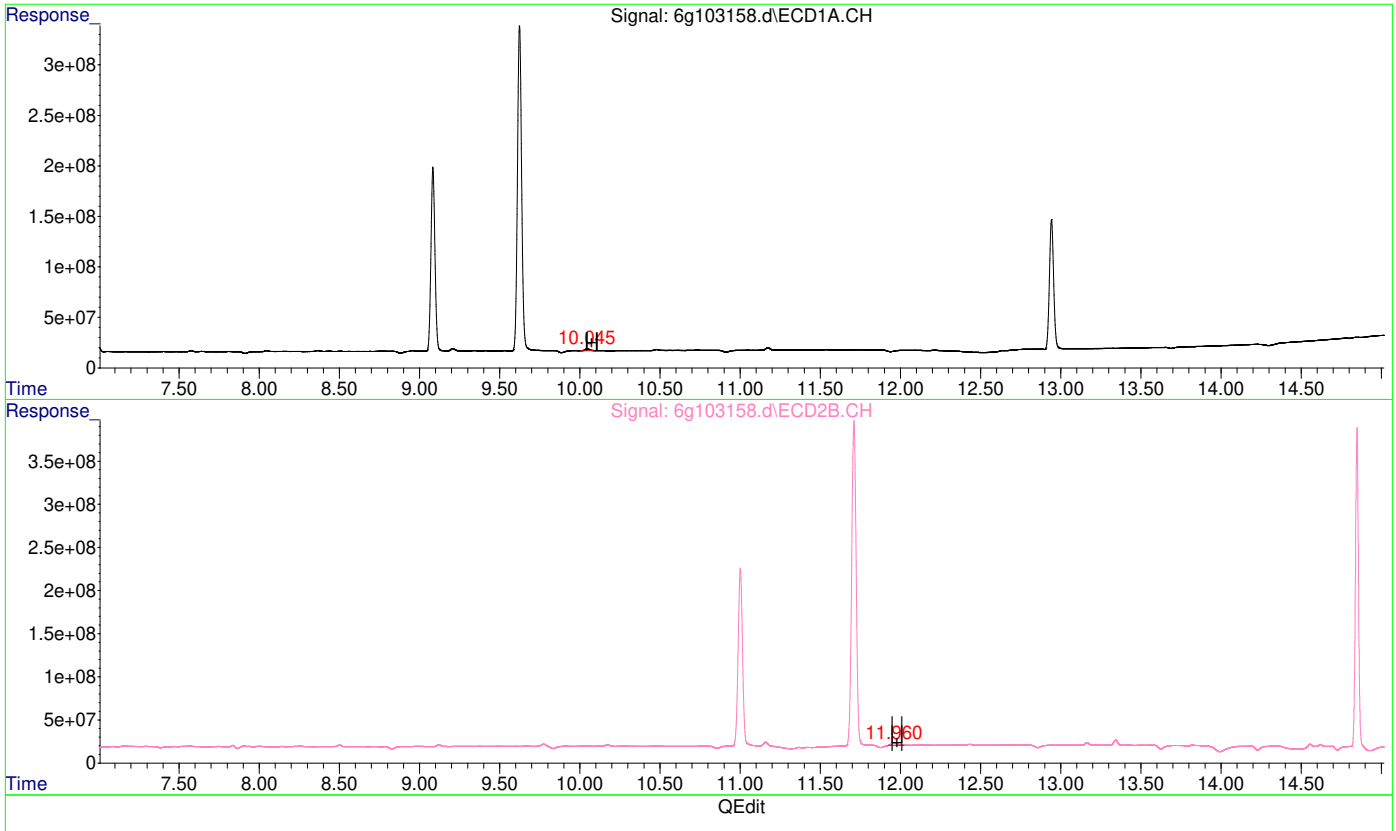
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103158.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Dec 2024 5:24 am
Operator : rebeccak
Sample : ddt
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 1 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 08 21:41:51 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Sun Dec 08 21:21:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



(21) Endrin Aldehyde (B)

10.045min 0.074 PPB m

response 39923541

(21) Endrin Aldehyde #2 (B)

11.960min -1.000 PPB m

response 70032395

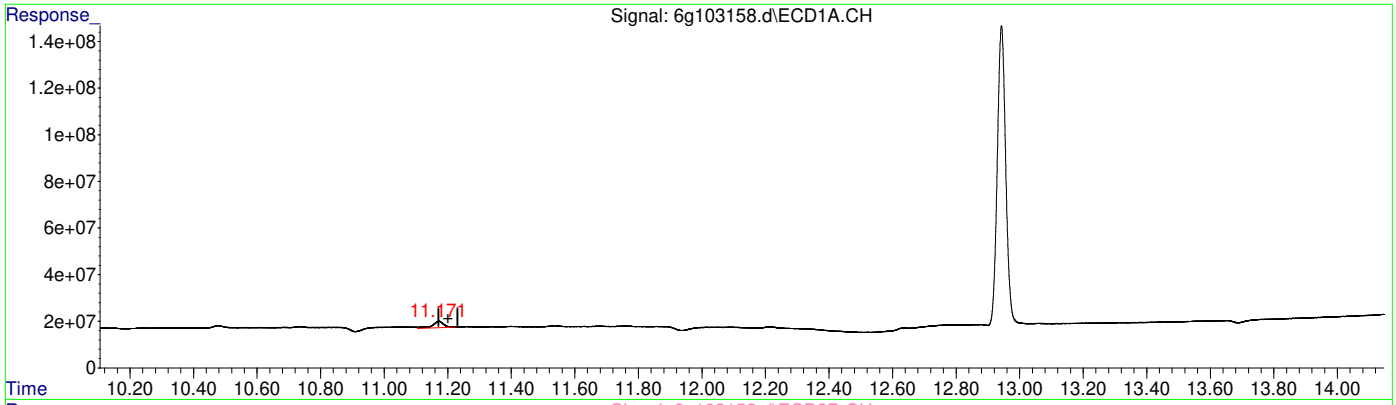
(+) = Expected Retention Time
6PSTLVI3879a.M Sun Dec 08 21:43:41 2024

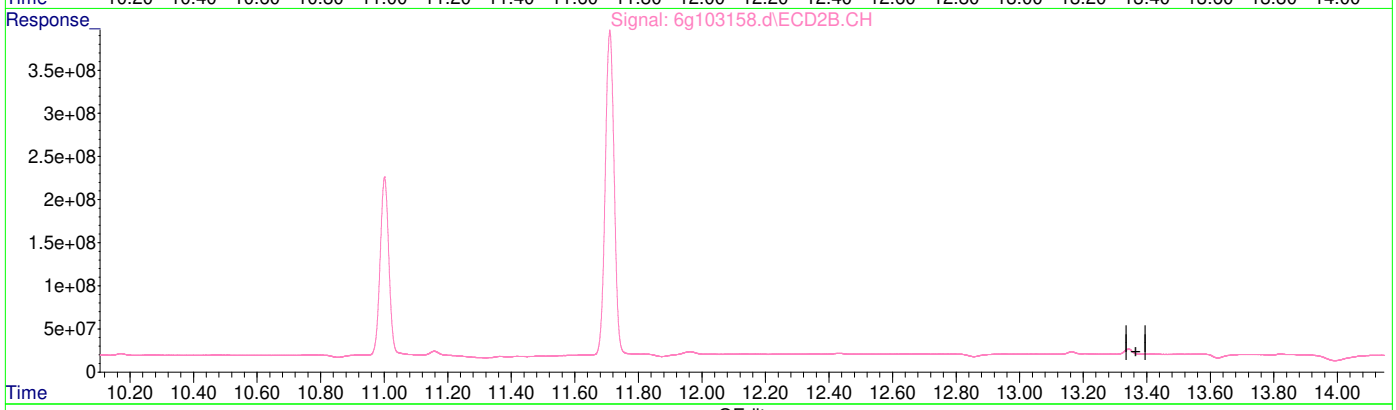
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103158.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Dec 2024 5:24 am
Operator : rebeccak
Sample : ddt
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 1 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 08 21:41:51 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Sun Dec 08 21:21:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(25) Endrin Ketone (B)

11.171min 0.109 PPB

response 69741087

(25) Endrin Ketone #2 (B)

0.000min 0.000 PPB

response 0

(+) = Expected Retention Time

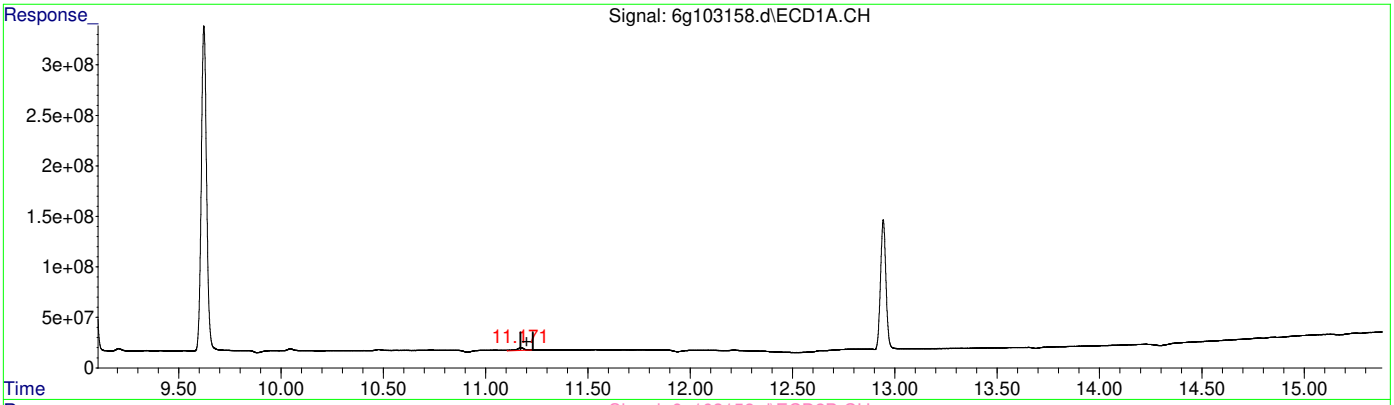
6G103158.D edits: Endrin Ketone

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103158.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Dec 2024 5:24 am
Operator : rebeccak
Sample : ddt
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 1 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 08 21:41:51 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Sun Dec 08 21:21:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



QEdit

(25) Endrin Ketone (B)

11.171min 0.109 PPB

response 69741087

(25) Endrin Ketone #2 (B)

13.343min 0.088 PPB m

response 102702946

(+) = Expected Retention Time
6PSTLVI3879a.M Sun Dec 08 21:43:54 2024

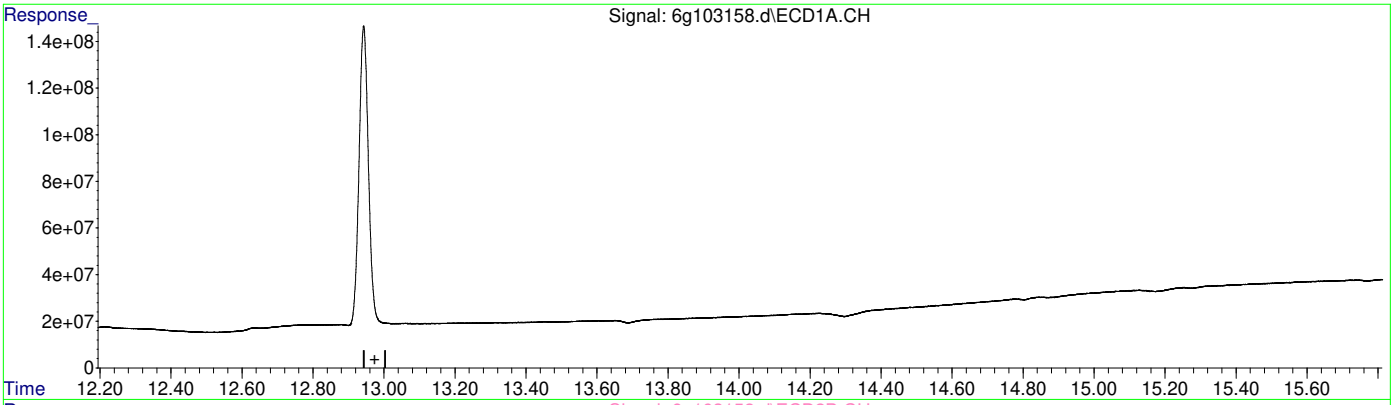
6G103158.D edits: Endrin Ketone

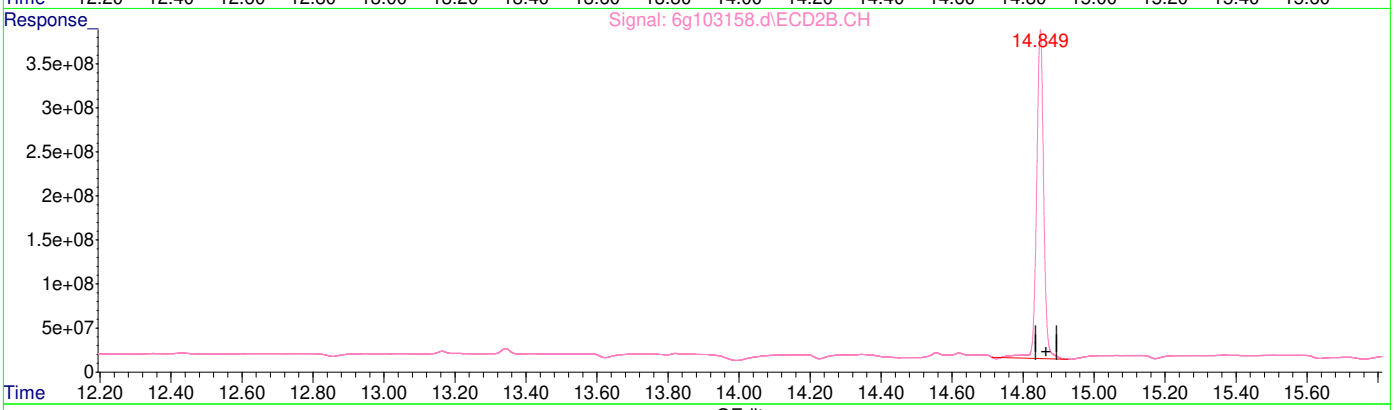
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103158.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Dec 2024 5:24 am
Operator : rebeccak
Sample : ddt
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 1 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 08 21:41:51 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Sun Dec 08 21:21:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(26) Decachlorobiphenyl (SA)

0.000min 0.000 PPB

response 0

(26) Decachlorobiphenyl #2 (SA)

14.849min 5.149 PPB

response 5170851138

(+) = Expected Retention Time

6PSTLVI3879a.M Sun Dec 08 21:43:57 2024 Page: 1

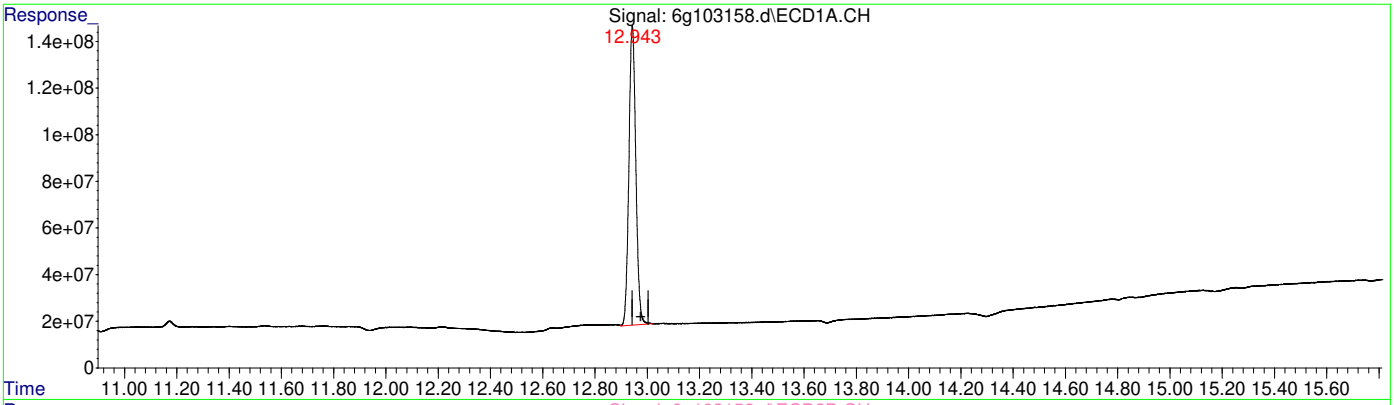
6G103158.D edits: Decachlorobiphenyl

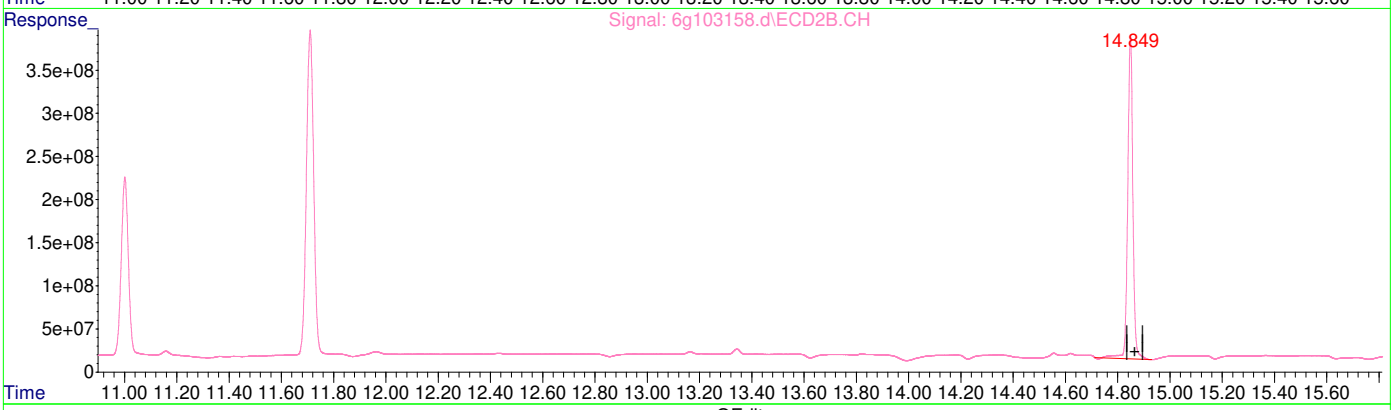
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103158.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Dec 2024 5:24 am
Operator : rebeccak
Sample : ddt
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 1 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 08 21:41:51 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Sun Dec 08 21:21:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(26) Decachlorobiphenyl (SA)

12.943min 4.731 PPB m

response 2362639354

(26) Decachlorobiphenyl #2 (SA)

14.849min 5.149 PPB

response 5170851138

(+) = Expected Retention Time
6PSTLVI3879a.M Sun Dec 08 21:44:03 2024

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 12/10/24 18:22

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\G6G3881\
Data File : 6g103195.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09-Dec-24, 18:02:34
Operator : mahalial
Sample : ddt
Misc : op59754,g6g3881,5.0,,,10,1
ALS Vial : 0 (Sig #1); 1 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 13:32:01 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\G6G3881\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Tue Dec 10 13:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1)	I 1-bromo-2...	4.838	5.240	3121.2E6	5309.0E6	5.000	5.000
27)	I 1-bromo-2...	4.838	5.240	3121.2E6	5309.0E6	5.000	5.000
33)	I 1-bromo-2...	4.838	5.240	3121.2E6	5309.0E6	5.000	5.000
	System Monitoring Compounds						
2)	SAB Tetrachlo...	5.510	6.179	3109.5E6	4408.5E6	4.683m	4.508m
	Spiked Amount 40.000	Range 30 - 150		Recovery =		11.71%#	11.27%#
26)	SA Decachlor...	12.952	14.860	2227.7E6	2575.9E6	4.195m	2.594
	Spiked Amount 40.000			Recovery =		10.49%	6.48%
	Target Compounds						
15)	B 4,4'-DDE	8.375	10.193	11473212	38790070	0.015m	0.035m#
17)	MA Endrin	9.095	11.022	3242.7E6	3715.1E6	4.201	4.275m
18)	A 4,4'-DDD	9.215	11.178	86959074	123.9E6	0.134	0.138
20)	MA 4,4'-DDT	9.634	11.731	5951.4E6	6667.5E6	8.648	7.231
25)	B Endrin Ke...	11.182	13.359	52949301	82246606	0.078	0.071m
	Sum Toxaphene			0	0	N.D.	N.D.
Average	Toxaphene					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

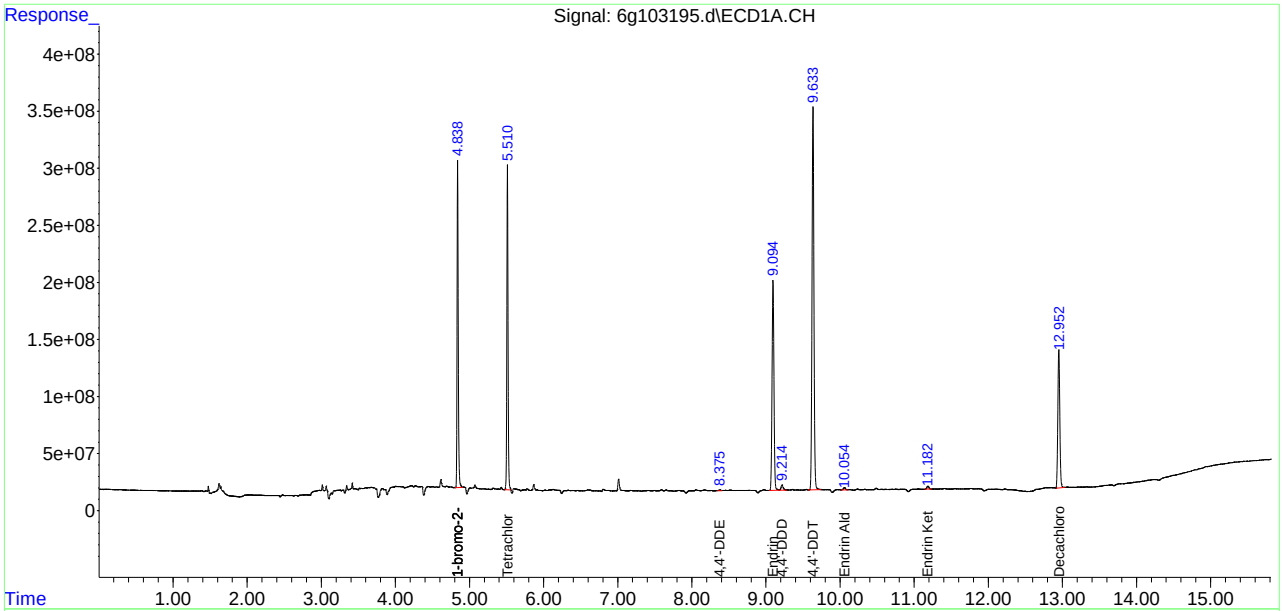
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

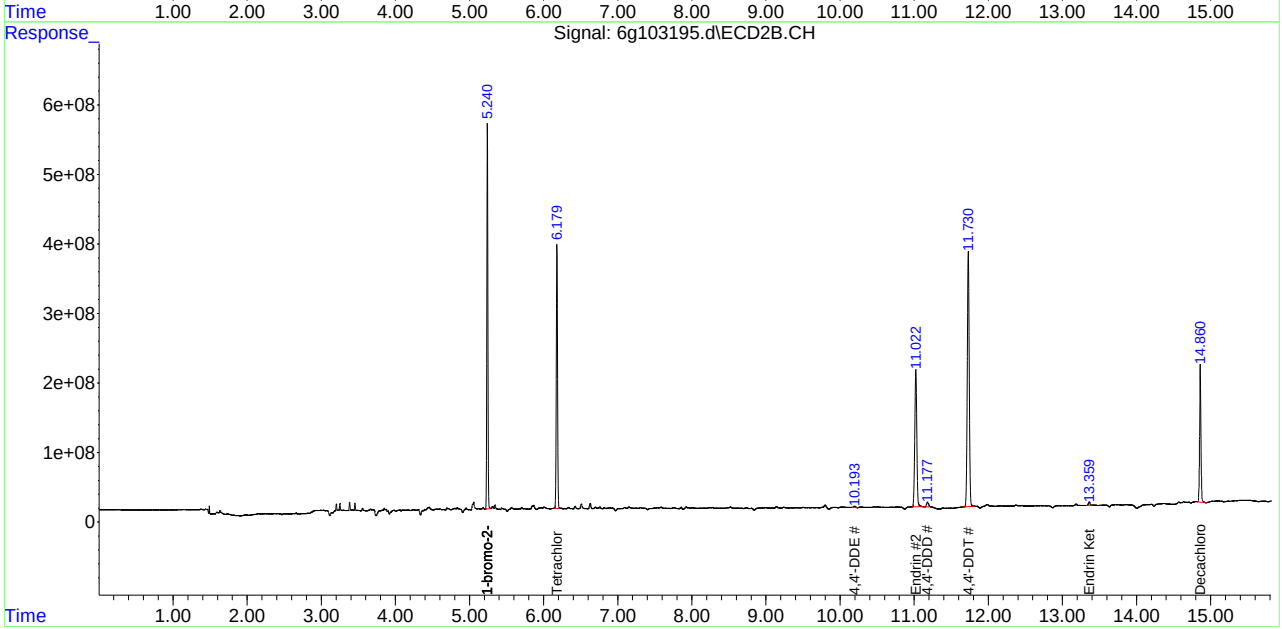
Quantitation Report (QT Reviewed)

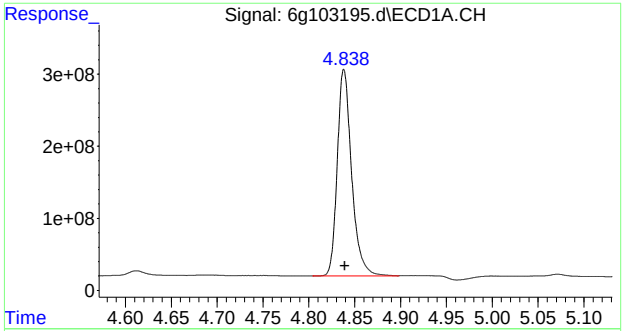
Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\G6G3881\
Data File : 6g103195.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09-Dec-24, 18:02:34
Operator : mahalial
Sample : ddt
Misc : op59754,g6g3881,5.0,,,10,1
ALS Vial : 0 (Sig #1); 1 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 13:32:01 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\G6G3881\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Tue Dec 10 13:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um

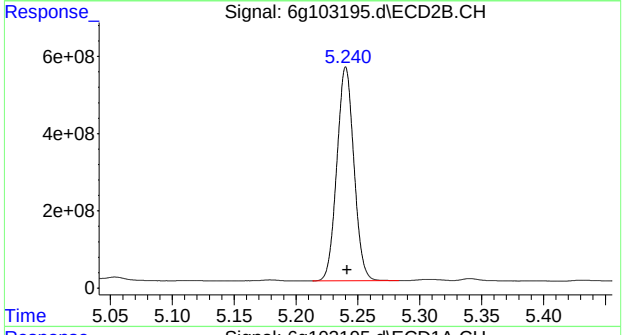






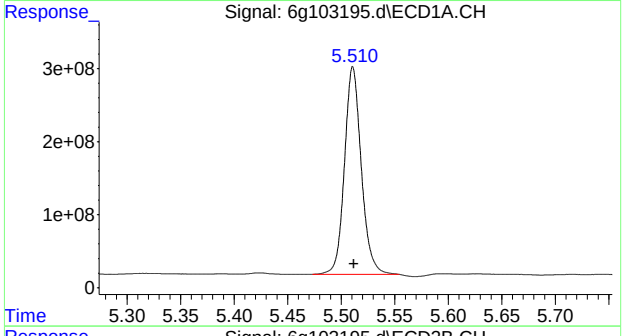
#1 1-bromo-2-nitrobenzene

R.T.: 4.838 min
Delta R.T.: 0.000 min
Response: 3121200404
Conc: 5.00 PPB



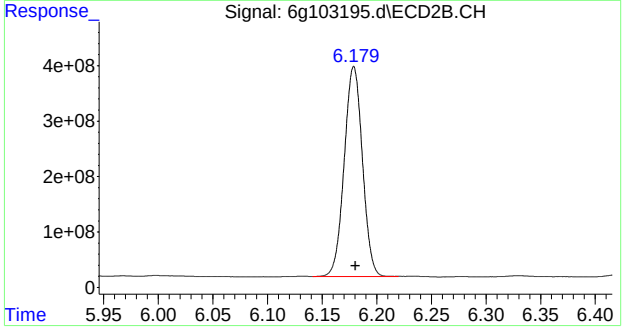
#1 1-bromo-2-nitrobenzene

R.T.: 5.240 min
Delta R.T.: 0.000 min
Response: 5308990535
Conc: 5.00 PPB



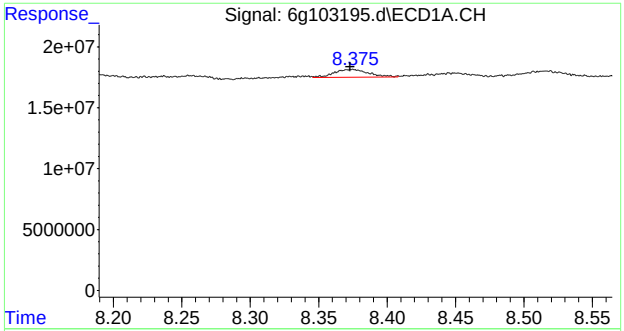
#2 Tetrachloro-m-xylene

R.T.: 5.510 min
Delta R.T.: -0.002 min
Response: 3109497130
Conc: 4.68 PPB m



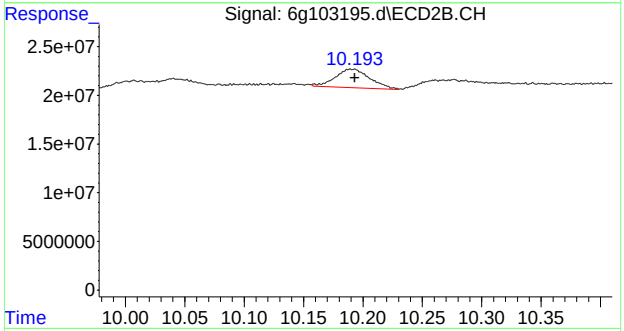
#2 Tetrachloro-m-xylene

R.T.: 6.179 min
Delta R.T.: -0.002 min
Response: 4408459977
Conc: 4.51 PPB m



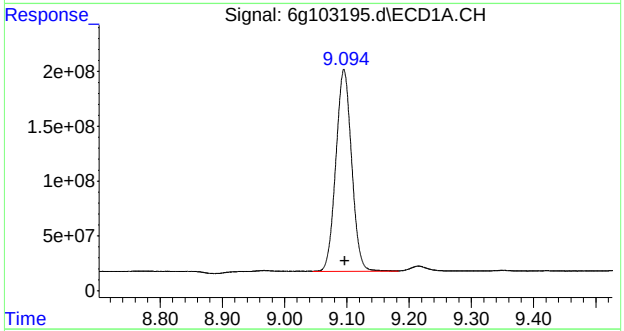
#15 4,4'-DDE

R.T.: 8.375 min
Delta R.T.: 0.002 min
Response: 11473212
Conc: 0.01 PPB m



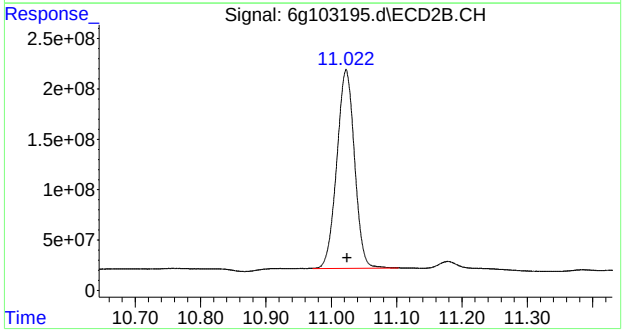
#15 4,4'-DDE

R.T.: 10.193 min
Delta R.T.: 0.000 min
Response: 38790070
Conc: 0.04 PPB m



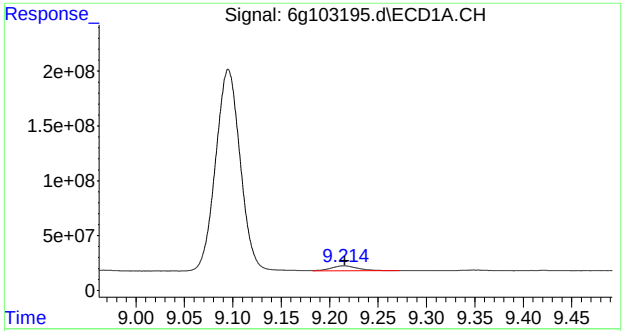
#17 Endrin

R.T.: 9.095 min
Delta R.T.: -0.001 min
Response: 3242686223
Conc: 4.20 PPB



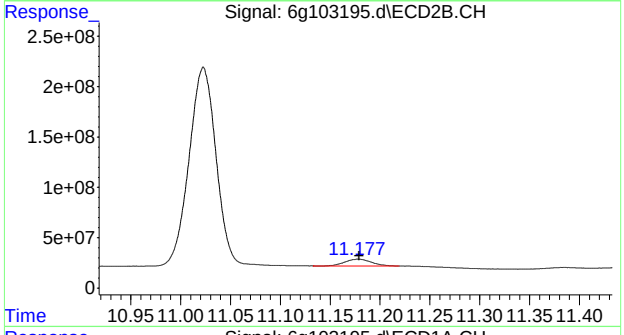
#17 Endrin

R.T.: 11.022 min
Delta R.T.: -0.002 min
Response: 3715136916
Conc: 4.27 PPB m



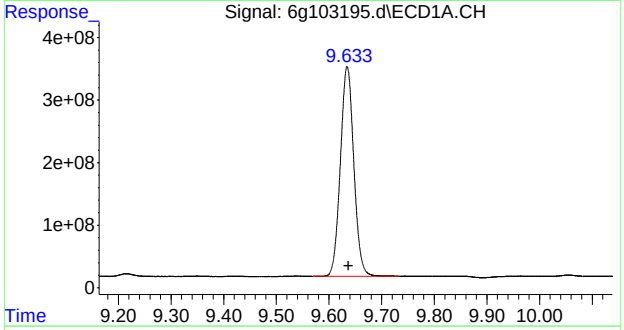
#18 4,4'-DDD

R.T.: 9.215 min
Delta R.T.: 0.000 min
Response: 86959074
Conc: 0.13 PPB



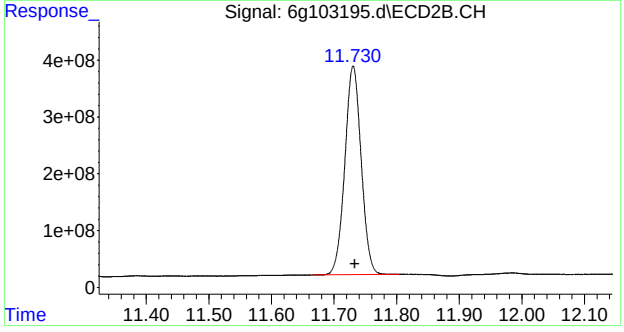
#18 4,4'-DDD

R.T.: 11.178 min
Delta R.T.: 0.000 min
Response: 123921650
Conc: 0.14 PPB



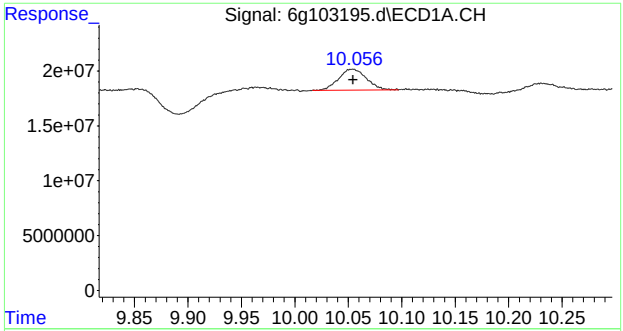
#20 4,4'-DDT

R.T.: 9.634 min
Delta R.T.: -0.002 min
Response: 5951394555
Conc: 8.65 PPB



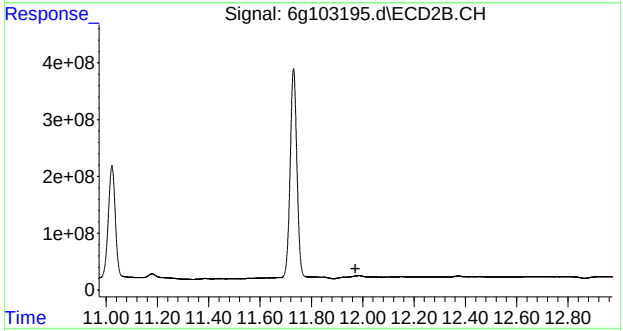
#20 4,4'-DDT

R.T.: 11.731 min
Delta R.T.: -0.002 min
Response: 6667537940
Conc: 7.23 PPB



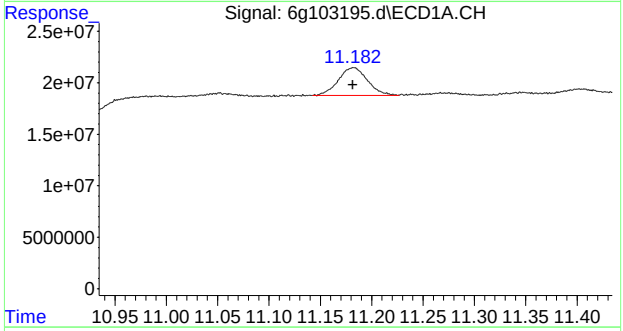
#21 Endrin Aldehyde

R.T.: 10.055 min
Delta R.T.: 0.000 min
Response: 34817459
Conc: 0.06 PPB



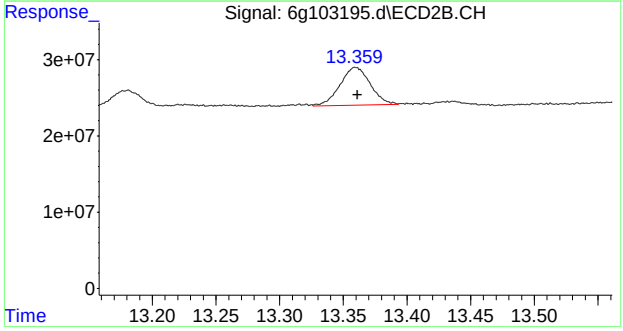
#21 Endrin Aldehyde

R.T.: 11.981 min
Delta R.T.: 0.009 min
Response: 61009616
Conc: N.D.



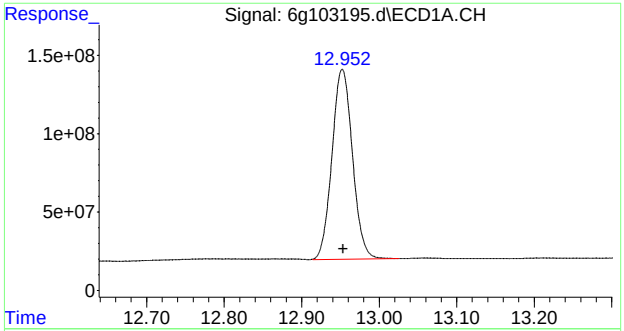
#25 Endrin Ketone

R.T.: 11.182 min
Delta R.T.: 0.000 min
Response: 52949301
Conc: 0.08 PPB



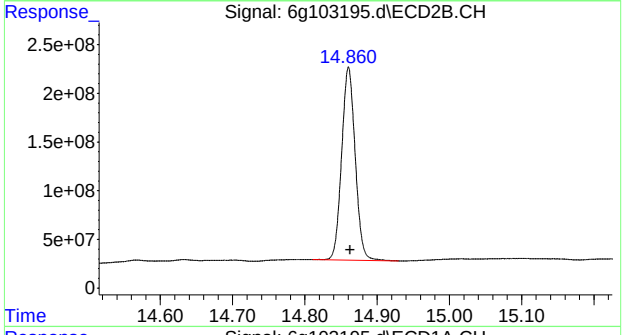
#25 Endrin Ketone

R.T.: 13.359 min
Delta R.T.: -0.002 min
Response: 82246606
Conc: 0.07 PPB m



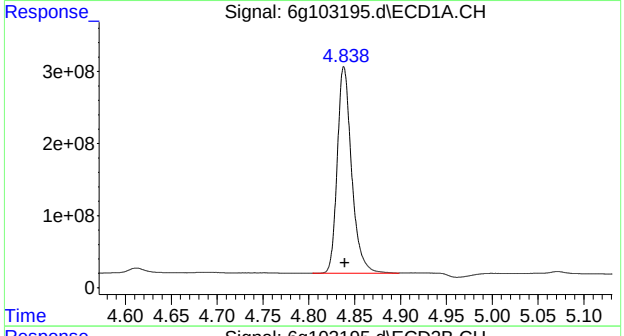
#26 Decachlorobiphenyl

R.T.: 12.952 min
Delta R.T.: 0.000 min
Response: 2227694377
Conc: 4.19 PPB m



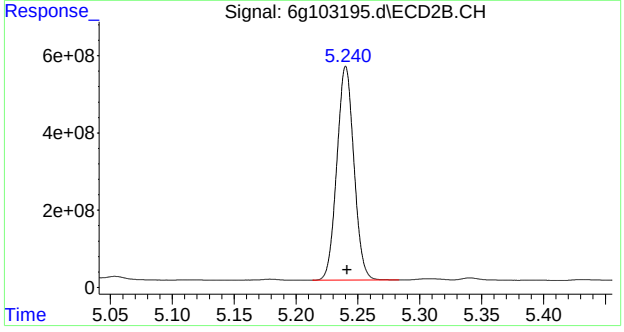
#26 Decachlorobiphenyl

R.T.: 14.860 min
Delta R.T.: -0.002 min
Response: 2575929847
Conc: 2.59 PPB



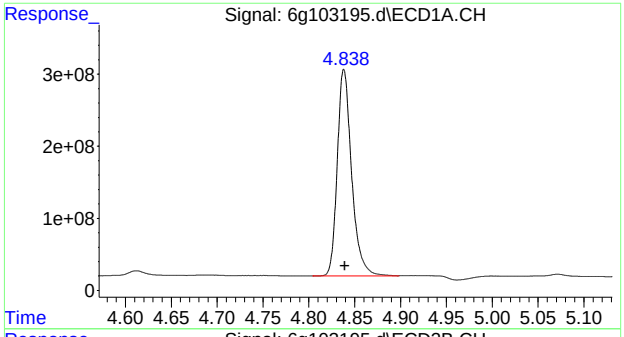
#27 1-bromo-2-nitrobenzeneA

R.T.: 4.838 min
Delta R.T.: -0.001 min
Response: 3121200404
Conc: 5.00 PPB



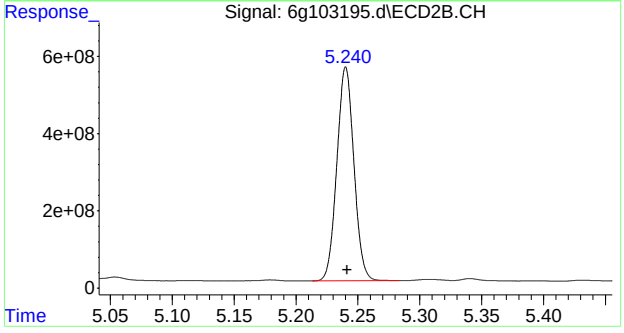
#27 1-bromo-2-nitrobenzeneA

R.T.: 5.240 min
Delta R.T.: 0.000 min
Response: 5308990535
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 4.838 min
Delta R.T.: -0.001 min
Response: 3121200404
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 5.240 min
Delta R.T.: 0.000 min
Response: 5308990535
Conc: 5.00 PPB

Manual Integration Approval Summary

Sample Number: G6G3881-DDT
Lab FileID: 6G103195.D
Injection Time: 12/09/24 18:02
Method: SW846 8081B
Analyst approved: 12/10/24 08:35 Christopher Changho
Supervisor approved: 12/10/24 18:22 Gwendolyn Burns

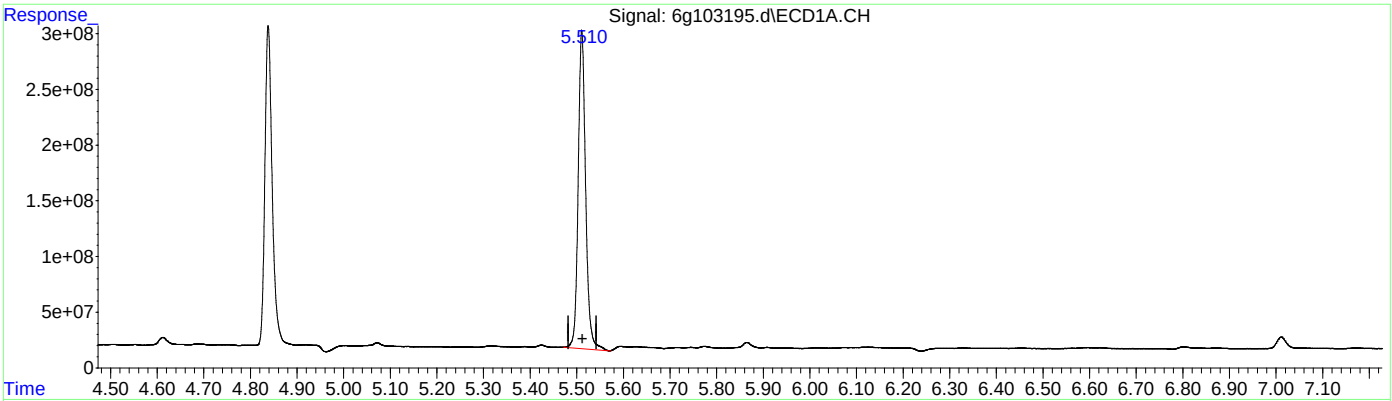
Parameter	CAS	Sig#	R.T. (min.)	Reason
Tetrachloro-m-xylene	877-09-8	1	5.51	Poorly defined baseline
Tetrachloro-m-xylene	877-09-8	2	6.18	Poorly defined baseline
4,4'-DDE	72-55-9	1	8.37	Poorly defined baseline
4,4'-DDE	72-55-9	2	10.19	Poorly defined baseline
Endrin	72-20-8	2	11.02	Poorly defined baseline
Decachlorobiphenyl	2051-24-3	1	12.95	Poorly defined baseline
Endrin ketone	53494-70-5	2	13.36	Poorly defined baseline

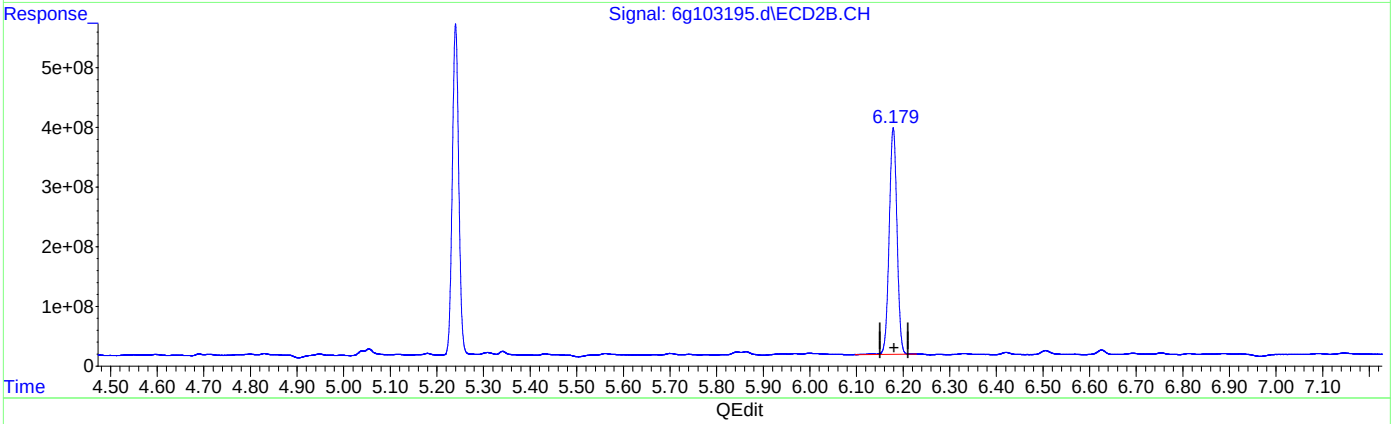
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\G6G3881\
Data File : 6g103195.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09-Dec-24, 18:02:34
Operator : mahalial
Sample : ddt
Misc : op59754,g6g3881,5.0,,,10,1
ALS Vial : 0 (Sig #1); 1 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 13:30:37 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\G6G3881\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Tue Dec 10 13:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(2) Tetrachloro-m-xylene (SAB)

5.511min 4.780 PPB

response 3173572464

(2) Tetrachloro-m-xylene #2 (SAB)

6.179min 4.509 PPB

response 4410200203

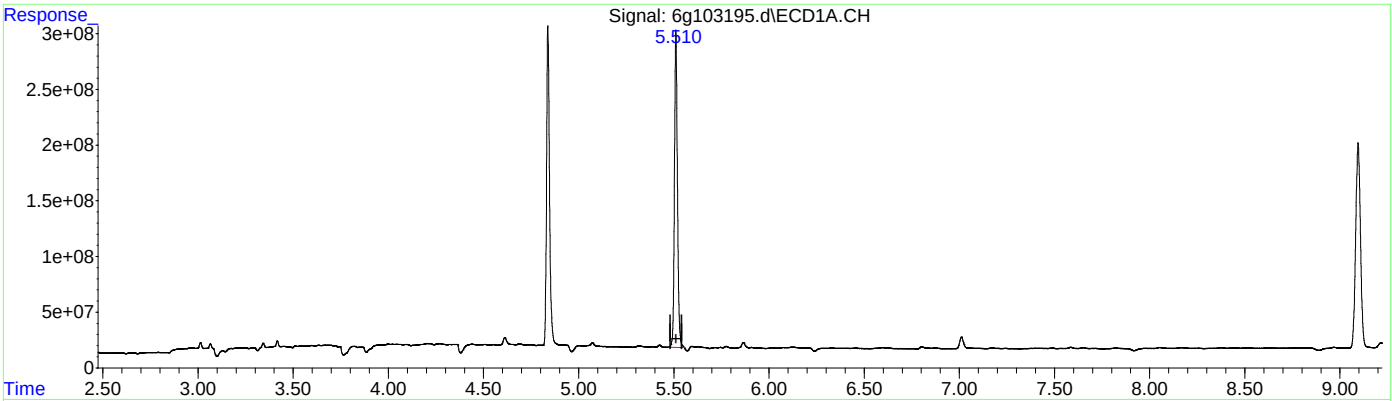
(+) = Expected Retention Time
6PSTLVI3879a.M Tue Dec 10 13:30:47 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\G6G3881\
Data File : 6g103195.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09-Dec-24, 18:02:34
Operator : mahalial
Sample : ddt
Misc : op59754,g6g3881,5.0,,,10,1
ALS Vial : 0 (Sig #1); 1 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 13:30:37 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\G6G3881\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Tue Dec 10 13:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



QEdit

(2) Tetrachloro-m-xylene (SAB)

5.510min 4.683 PPB m

response 3109497130

(2) Tetrachloro-m-xylene #2 (SAB)

6.179min 4.508 PPB m

response 4408459977

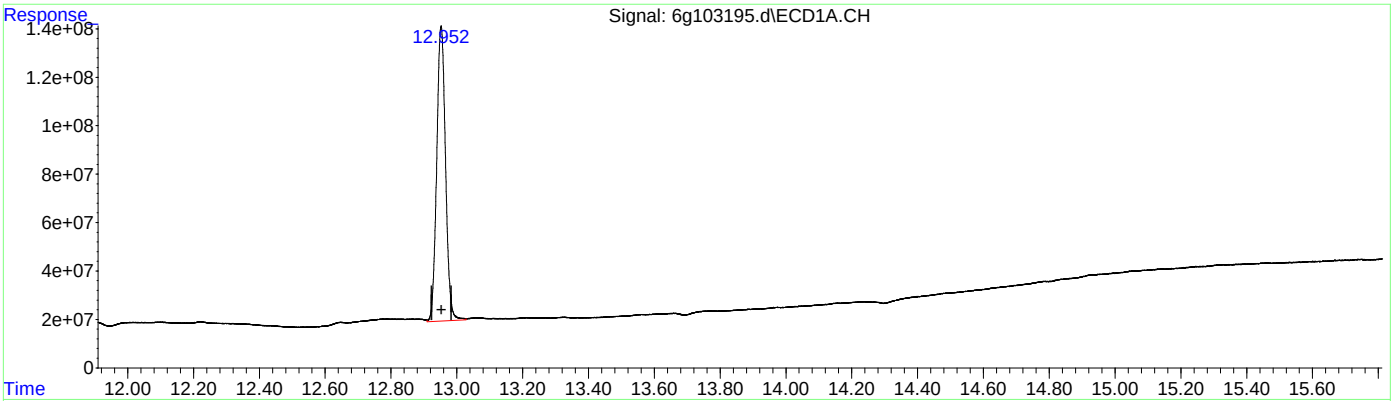
(+) = Expected Retention Time
6PSTLVI3879a.M Tue Dec 10 13:30:56 2024

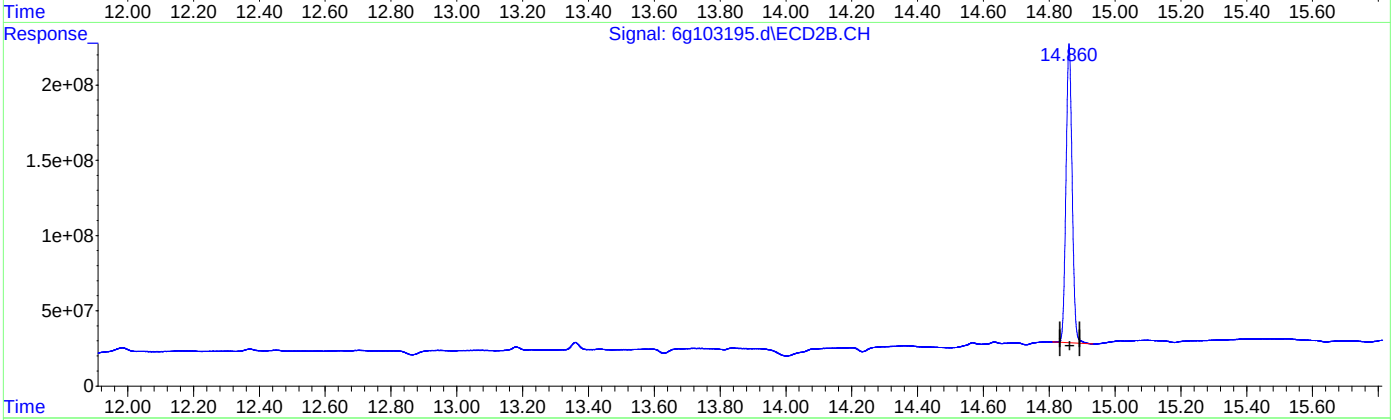
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\G6G3881\
Data File : 6g103195.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09-Dec-24, 18:02:34
Operator : mahalial
Sample : ddt
Misc : op59754,g6g3881,5.0,,,10,1
ALS Vial : 0 (Sig #1); 1 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 13:30:37 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\G6G3881\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Tue Dec 10 13:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(26) Decachlorobiphenyl (SA)

12.952min 4.271 PPB

response 2268392045

(26) Decachlorobiphenyl #2 (SA)

14.860min 2.594 PPB

response 2575929847

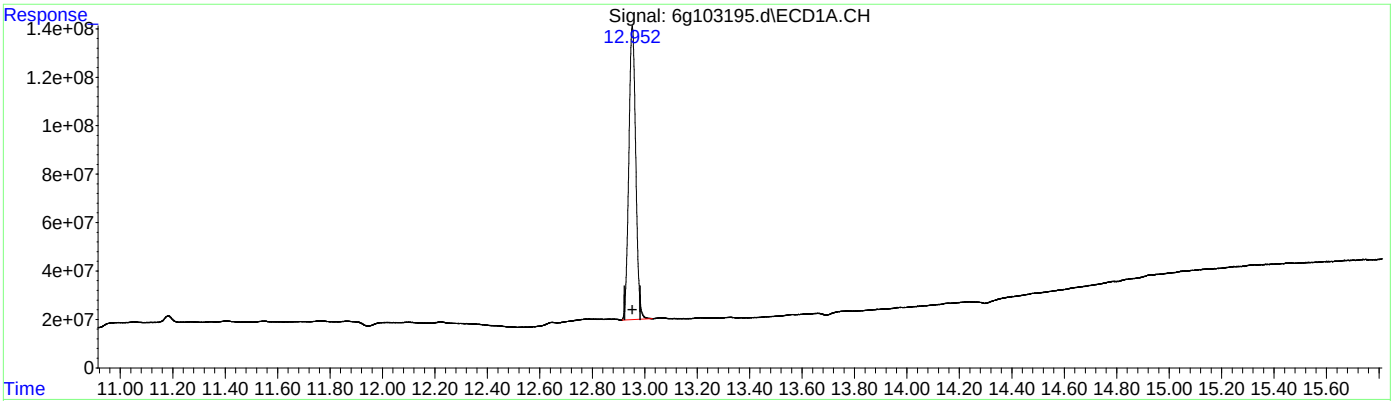
(+) = Expected Retention Time
6PSTLVI3879a.M Tue Dec 10 13:31:00 2024

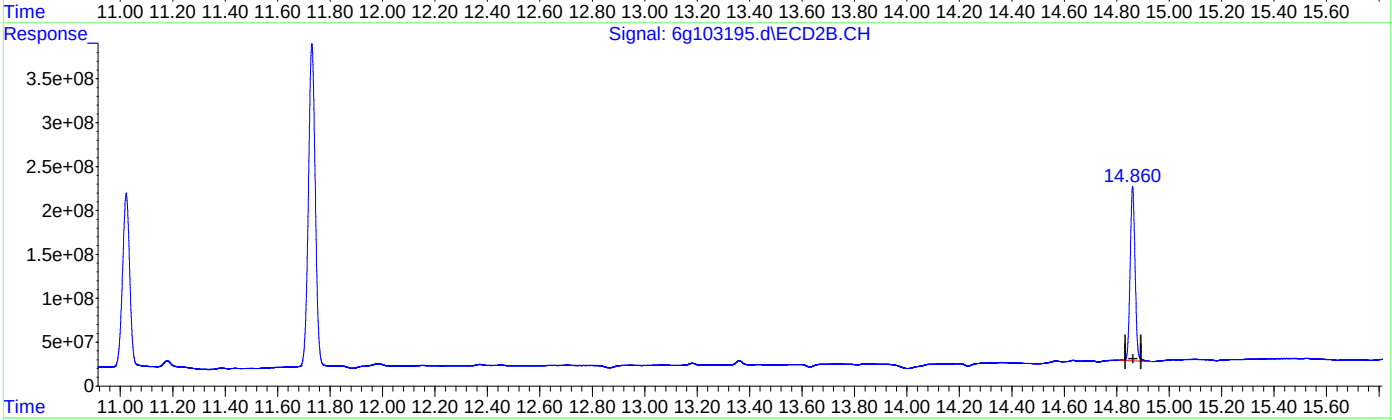
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\G6G3881\
Data File : 6g103195.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09-Dec-24, 18:02:34
Operator : mahalial
Sample : ddt
Misc : op59754,g6g3881,5.0,,,10,1
ALS Vial : 0 (Sig #1); 1 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 13:30:37 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\G6G3881\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Tue Dec 10 13:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(26) Decachlorobiphenyl (SA)

12.952min 4.195 PPB m

response 2227694377

(26) Decachlorobiphenyl #2 (SA)

14.860min 2.594 PPB

response 2575929847

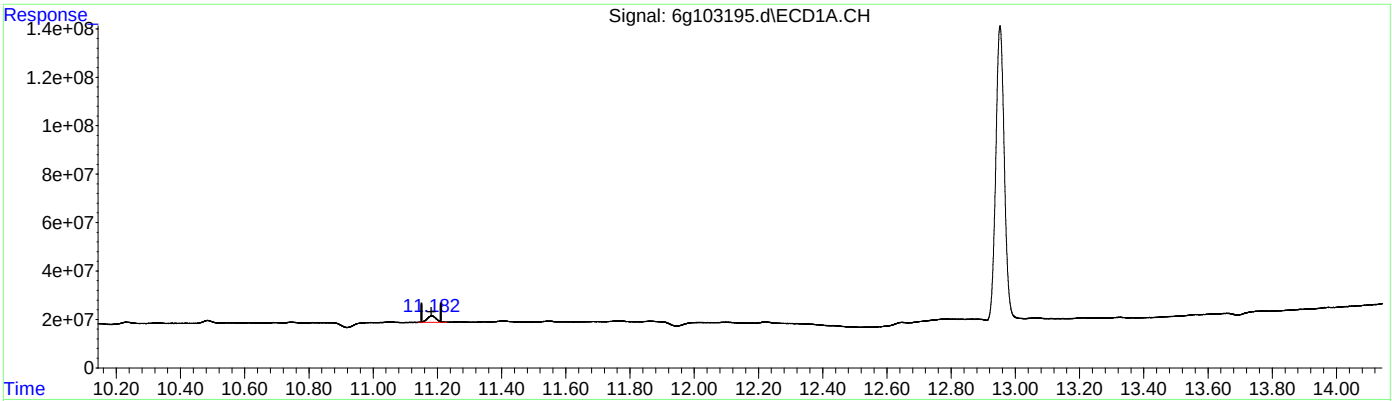
(+) = Expected Retention Time
6PSTLVI3879a.M Tue Dec 10 13:31:05 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\G6G3881\
Data File : 6g103195.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09-Dec-24, 18:02:34
Operator : mahalial
Sample : ddt
Misc : op59754,g6g3881,5.0,,,10,1
ALS Vial : 0 (Sig #1); 1 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 13:30:37 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\G6G3881\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Tue Dec 10 13:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



(25) Endrin Ketone (B)

11.182min 0.078 PPB

response 52949301

(25) Endrin Ketone #2 (B)

0.000min 0.000 PPB

response 0

(+) = Expected Retention Time

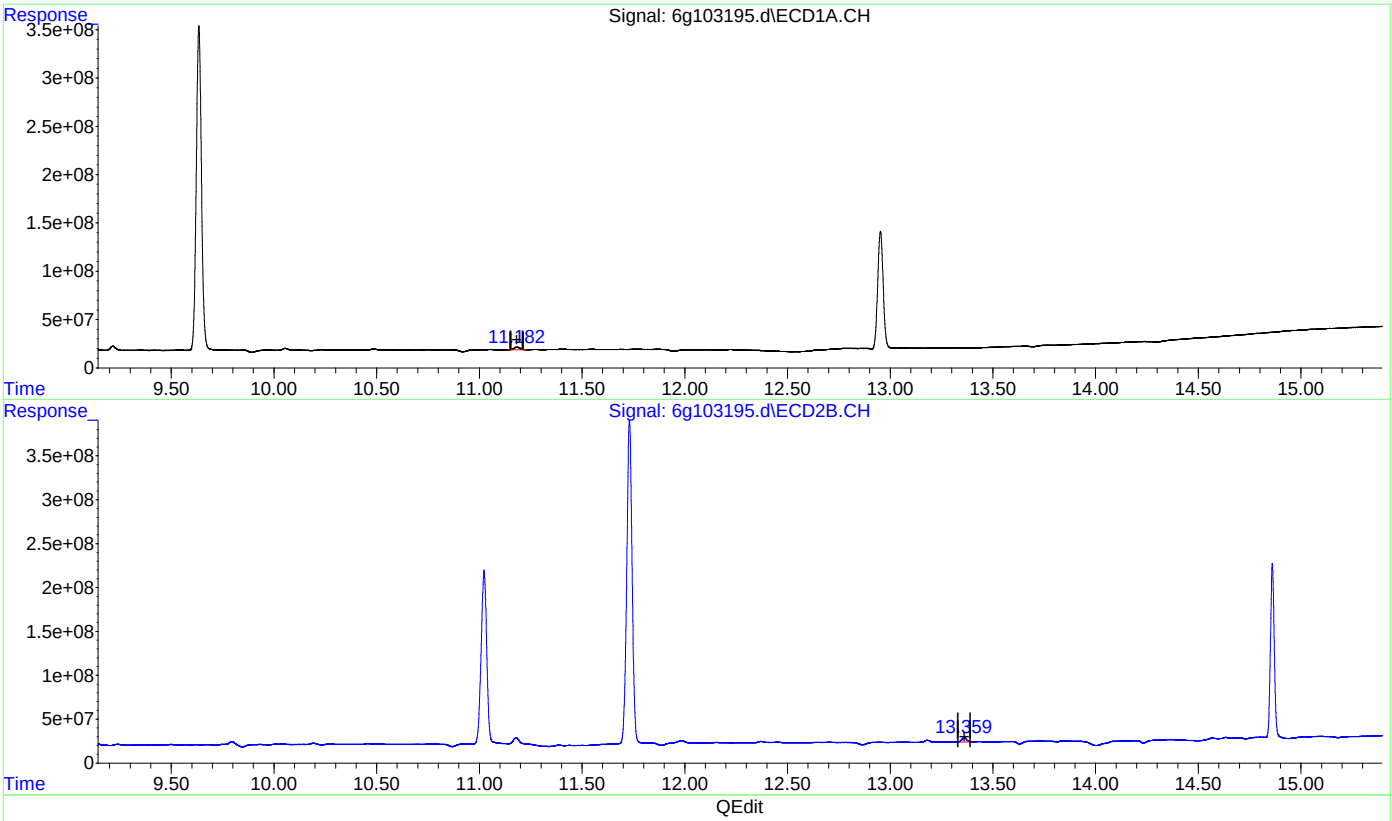
6PSTLVI3879a.M Tue Dec 10 13:31:18 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\G6G3881\
Data File : 6g103195.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09-Dec-24, 18:02:34
Operator : mahalial
Sample : ddt
Misc : op59754,g6g3881,5.0,,,10,1
ALS Vial : 0 (Sig #1); 1 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 13:30:37 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\G6G3881\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Tue Dec 10 13:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



(25) Endrin Ketone (B)

11.182min 0.078 PPB

response 52949301

(25) Endrin Ketone #2 (B)

13.359min 0.071 PPB m

response 82246606

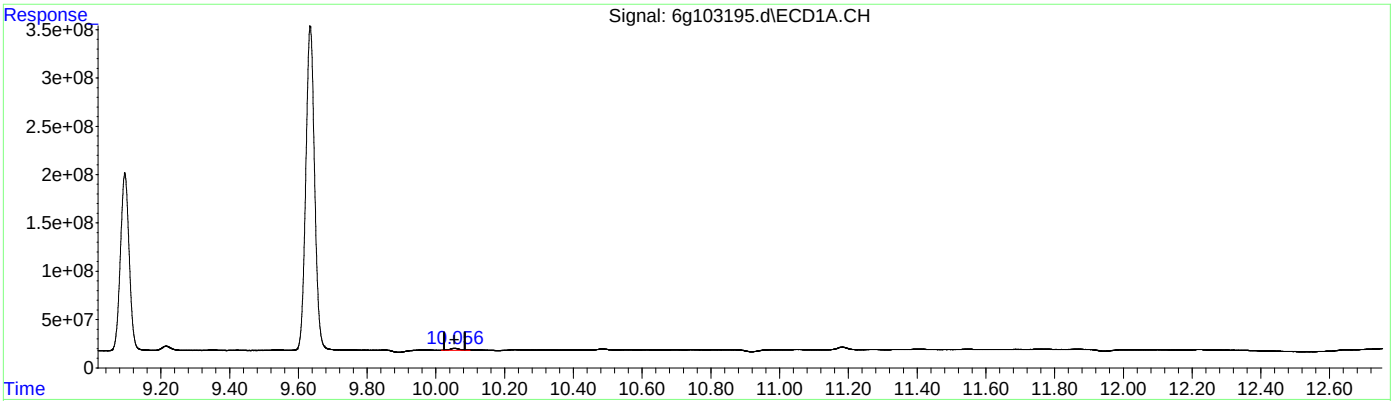
(+) = Expected Retention Time
6PSTLVI3879a.M Tue Dec 10 13:31:22 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\G6G3881\
Data File : 6g103195.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09-Dec-24, 18:02:34
Operator : mahalial
Sample : ddt
Misc : op59754,g6g3881,5.0,,,10,1
ALS Vial : 0 (Sig #1); 1 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 13:30:37 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\G6G3881\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Tue Dec 10 13:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



QEdit

(21) Endrin Aldehyde (B)

10.055min 0.061 PPB

response 34817459

(21) Endrin Aldehyde #2 (B)

0.000min 0.000 PPB

response 0

(+) = Expected Retention Time

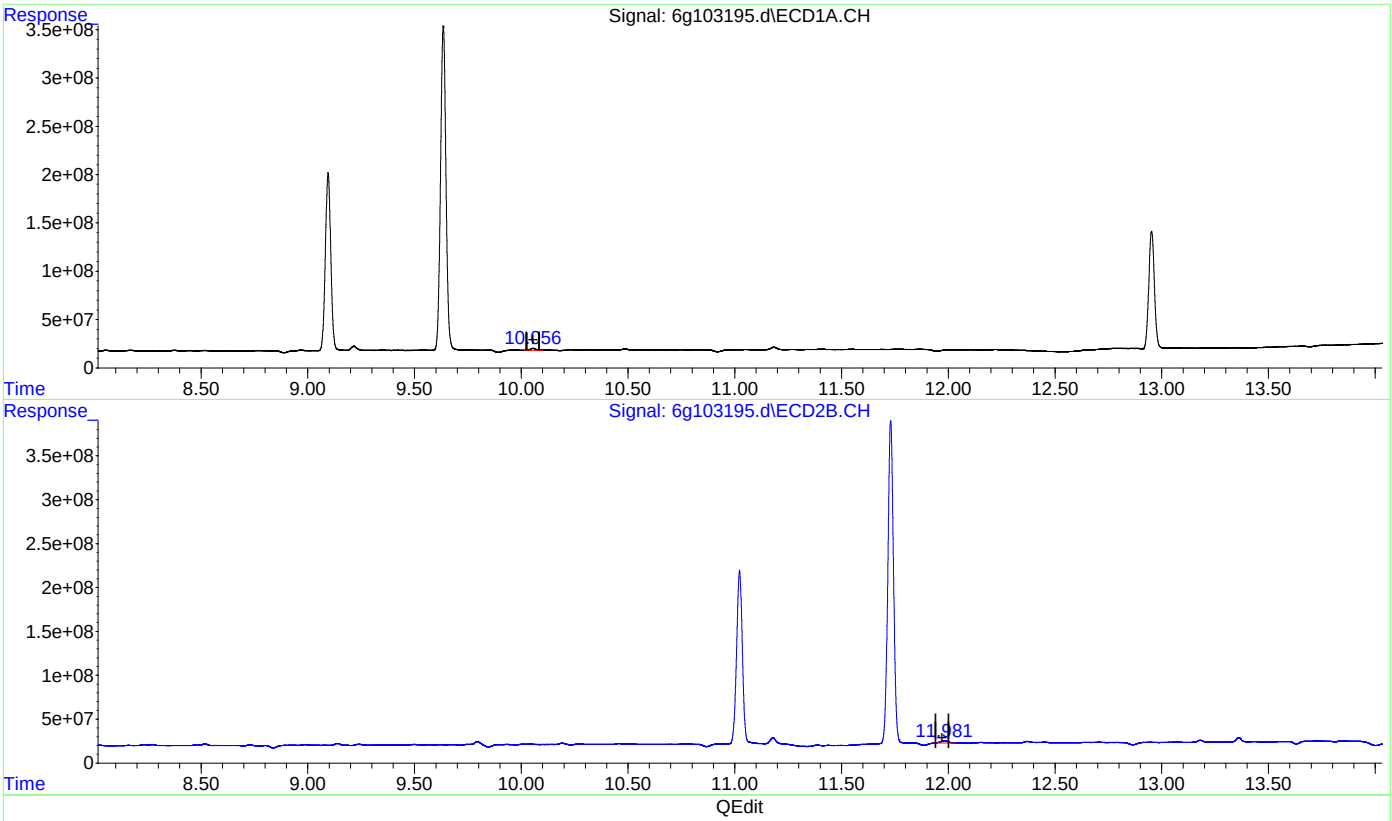
6PSTLVI3879a.M Tue Dec 10 13:31:27 2024 Page: 1

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\G6G3881\
Data File : 6g103195.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09-Dec-24, 18:02:34
Operator : mahalial
Sample : ddt
Misc : op59754,g6g3881,5.0,,,10,1
ALS Vial : 0 (Sig #1); 1 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 13:30:37 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\G6G3881\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Tue Dec 10 13:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



(21) Endrin Aldehyde (B)

10.055min 0.061 PPB

response 34817459

(21) Endrin Aldehyde #2 (B)

11.981min -1.000 PPB m

response 61009616

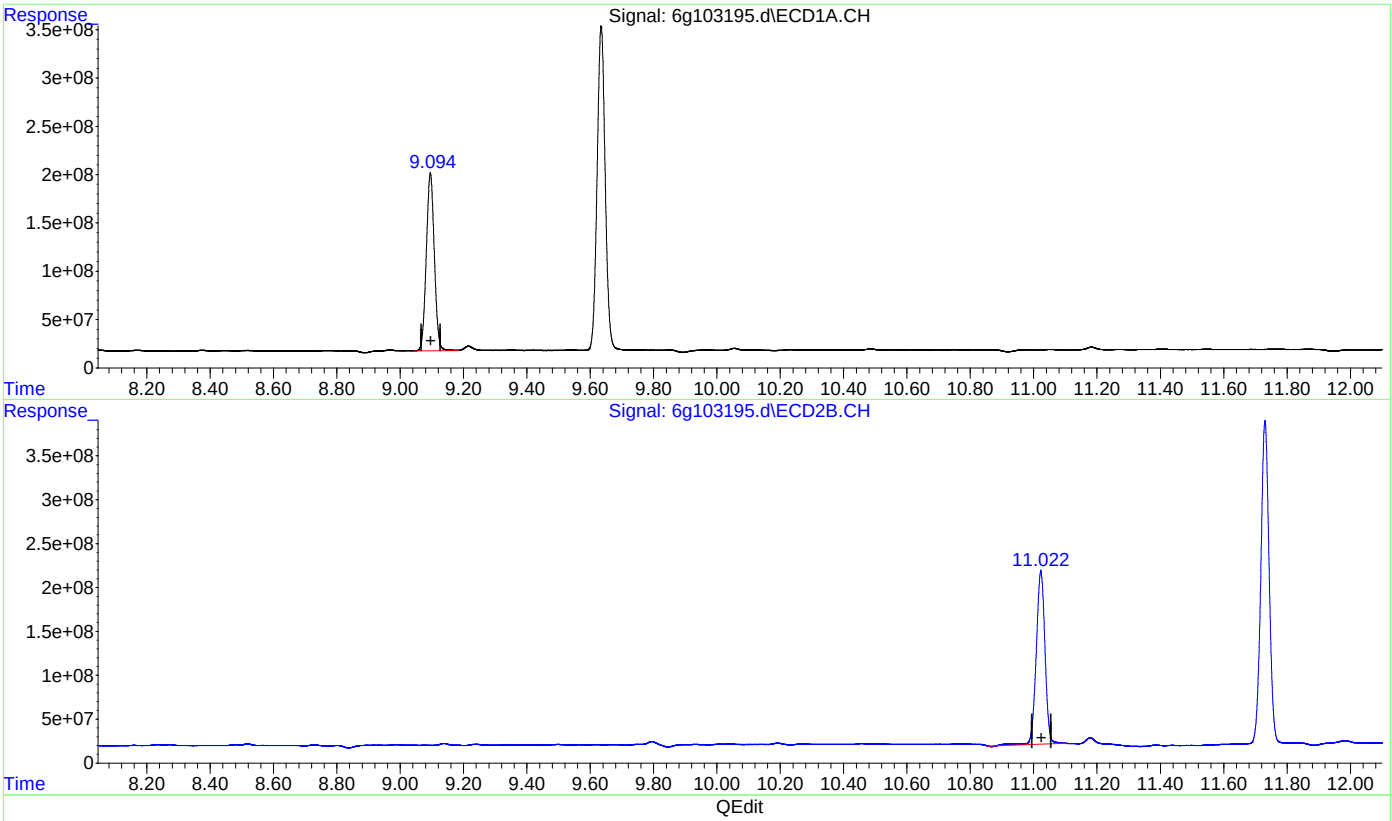
(+) = Expected Retention Time
6PSTLVI3879a.M Tue Dec 10 13:31:31 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\G6G3881\
Data File : 6g103195.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09-Dec-24, 18:02:34
Operator : mahalial
Sample : ddt
Misc : op59754,g6g3881,5.0,,,10,1
ALS Vial : 0 (Sig #1); 1 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 13:30:37 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\G6G3881\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Tue Dec 10 13:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



(17) Endrin (MA)

9.095min 4.201 PPB

response 3242686223

(17) Endrin #2 (MA)

11.023min 4.389 PPB

response 3806822060

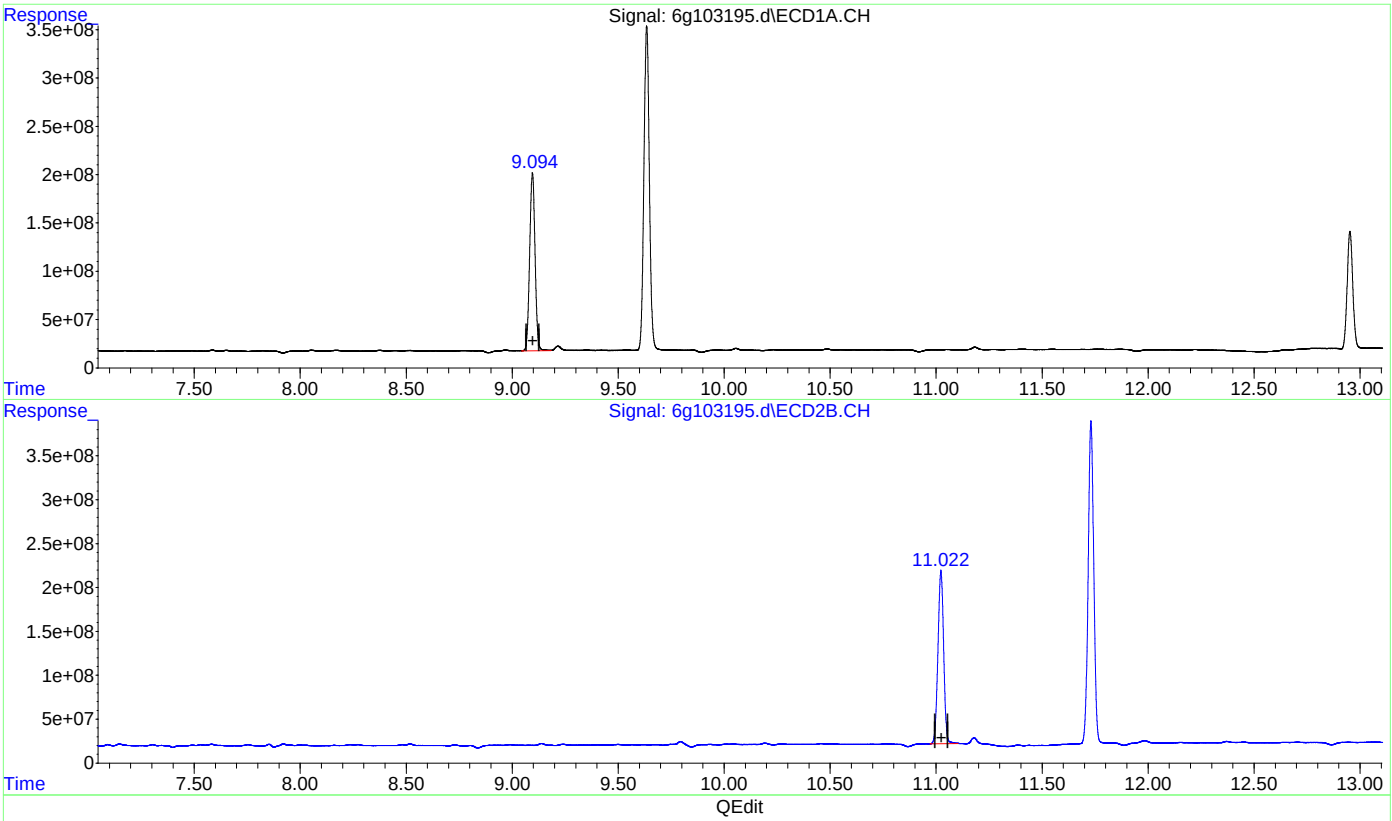
(+) = Expected Retention Time
6PSTLVI3879a.M Tue Dec 10 13:31:39 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\G6G3881\
Data File : 6g103195.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09-Dec-24, 18:02:34
Operator : mahalial
Sample : ddt
Misc : op59754,g6g3881,5.0,,,10,1
ALS Vial : 0 (Sig #1); 1 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 13:30:37 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\G6G3881\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Tue Dec 10 13:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



(17) Endrin (MA)

9.095min 4.201 PPB

response 3242686223

(17) Endrin #2 (MA)

11.022min 4.275 PPB m

response 3715136916

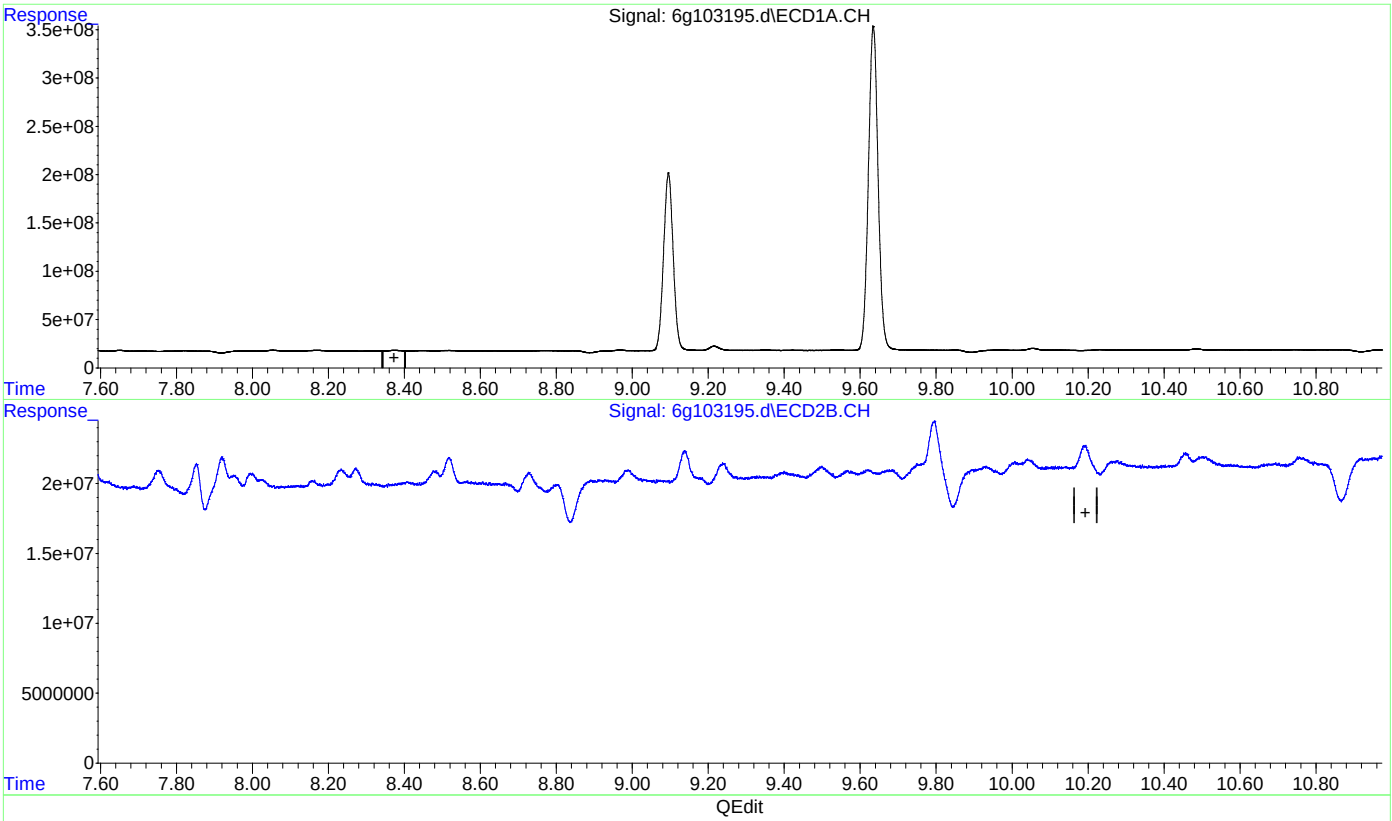
(+) = Expected Retention Time
6PSTLVI3879a.M Tue Dec 10 13:31:42 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\G6G3881\
Data File : 6g103195.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09-Dec-24, 18:02:34
Operator : mahalial
Sample : ddt
Misc : op59754,g6g3881,5.0,,,10,1
ALS Vial : 0 (Sig #1); 1 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 13:30:37 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\G6G3881\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Tue Dec 10 13:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



QEdit

(15) 4,4'-DDE (B)

0.000min 0.000 PPB

response 0

(15) 4,4'-DDE #2 (B)

0.000min 0.000 PPB

response 0

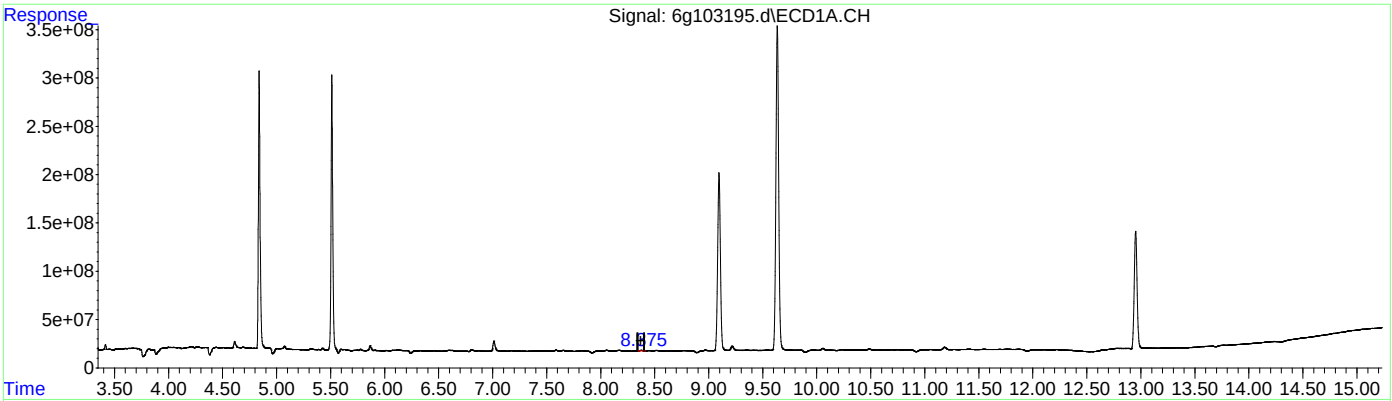
(+) = Expected Retention Time
6PSTLVI3879a.M Tue Dec 10 13:31:44 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\G6G3881\
Data File : 6g103195.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09-Dec-24, 18:02:34
Operator : mahalial
Sample : ddt
Misc : op59754,g6g3881,5.0,,,10,1
ALS Vial : 0 (Sig #1); 1 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 13:30:37 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\G6G3881\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Tue Dec 10 13:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



QEdit

(15) 4,4'-DDE (B)

8.375min 0.015 PPB m

response 11473212

(15) 4,4'-DDE #2 (B)

10.193min 0.035 PPB m

response 38790070

(+) = Expected Retention Time

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 09/24/24 10:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60340.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 10:50 am
Operator : rebeccak
Sample : ddt
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 06:59:44 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 06:56:21 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1)	I 1-bromo-2...	2.423	2.794	284.9E6	798.1E6	5.000	5.000
27)	I 1-bromo-2...	2.423	2.794	284.9E6	798.1E6	5.000	5.000
33)	I 1-bromo-2...	2.423	2.794	284.9E6	798.1E6	5.000	5.000
	System Monitoring Compounds						
2)	SAB Tetrachlo...	2.972	3.684	319.9E6	961.1E6	5.821	4.915
	Spiked Amount 40.000	Range 30 - 150		Recovery =		14.55%#	12.29%#
26)	SA Decachlor...	10.673	13.075	310.4E6	561.4E6	5.870	5.075
	Spiked Amount 40.000			Recovery =		14.67%	12.69%
	Target Compounds						
15)	B 4,4'-DDE	5.929	7.799	1340099	5370003	0.020m	0.030m#
17)	MA Endrin	6.719	8.661	311.2E6	655.9E6	6.046	4.819
18)	A 4,4'-DDD	6.820	8.796	6679618	18368373	0.121	0.118
20)	MA 4,4'-DDT	7.259	9.360	689.4E6	1255.8E6	12.421	9.770
21)	B Endrin Al...	7.723	9.604	2965374	21664296	0.063	0.175 #
25)	B Endrin Ke...	8.901	11.056	11326377	17699250	0.168	0.091 #
	SemiQuant Compounds - Not Calibrated on this Instrument						

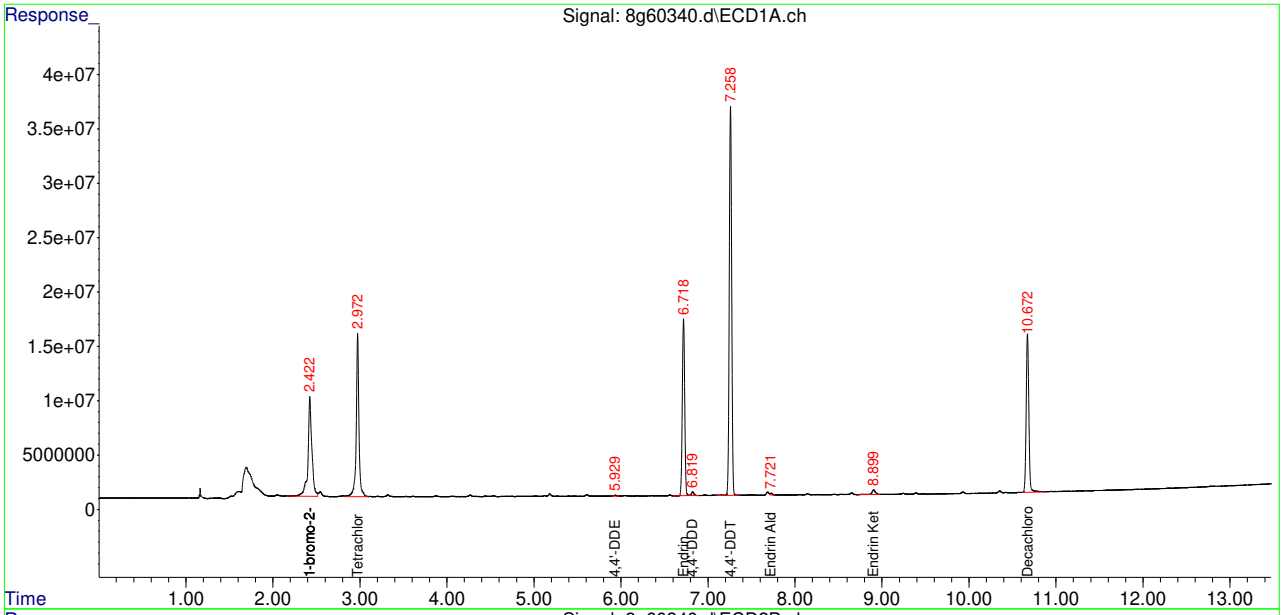
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

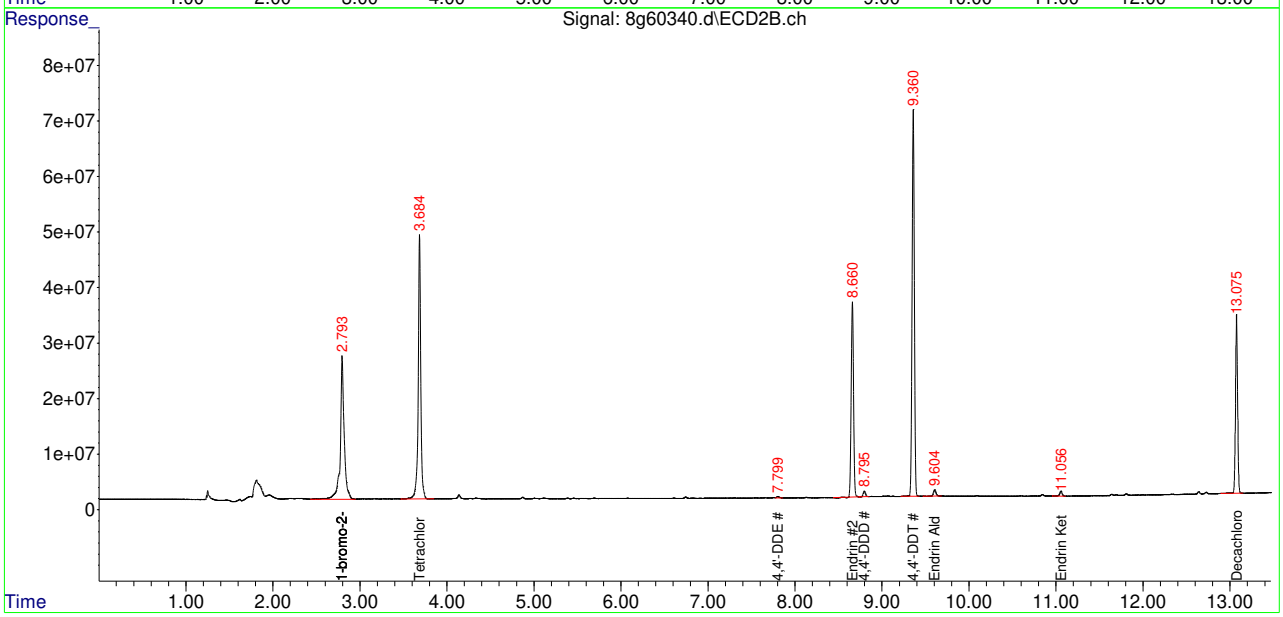
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60340.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 10:50 am
Operator : rebeccak
Sample : ddt
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 06:59:44 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 06:56:21 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





Manual Integration Approval Summary

Sample Number: G8G2596-DDT
Lab FileID: 8G60340.D
Injection Time: 09/18/24 10:50
Method: SW846 8081B
Analyst approved: 09/19/24 07:07 Rebecca Krug
Supervisor approved: 09/24/24 10:58 Gwendolyn Burns

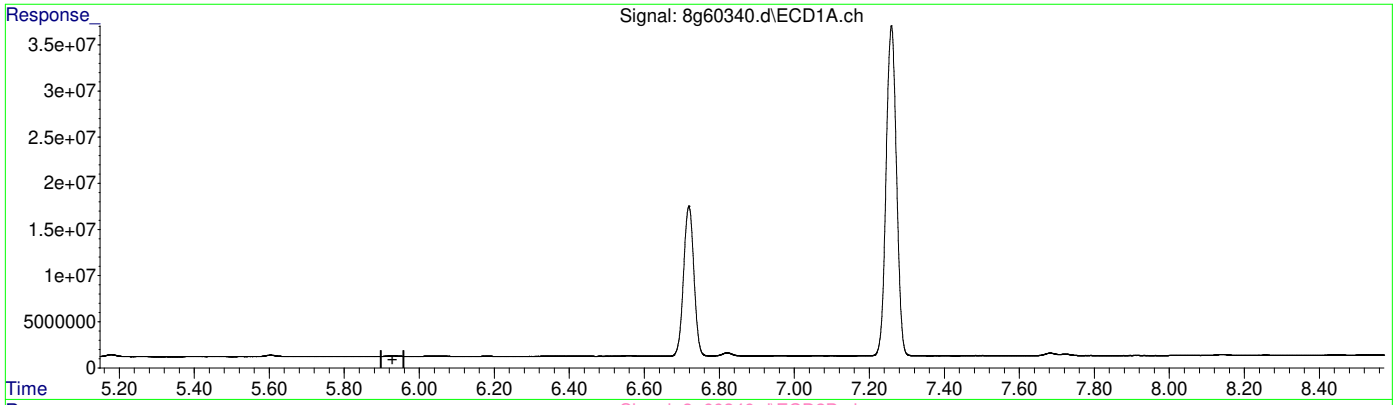
Parameter	CAS	Sig#	R.T. (min.)	Reason
4,4'-DDE	72-55-9	1	5.93	Poorly defined baseline
4,4'-DDE	72-55-9	2	7.80	Poorly defined baseline

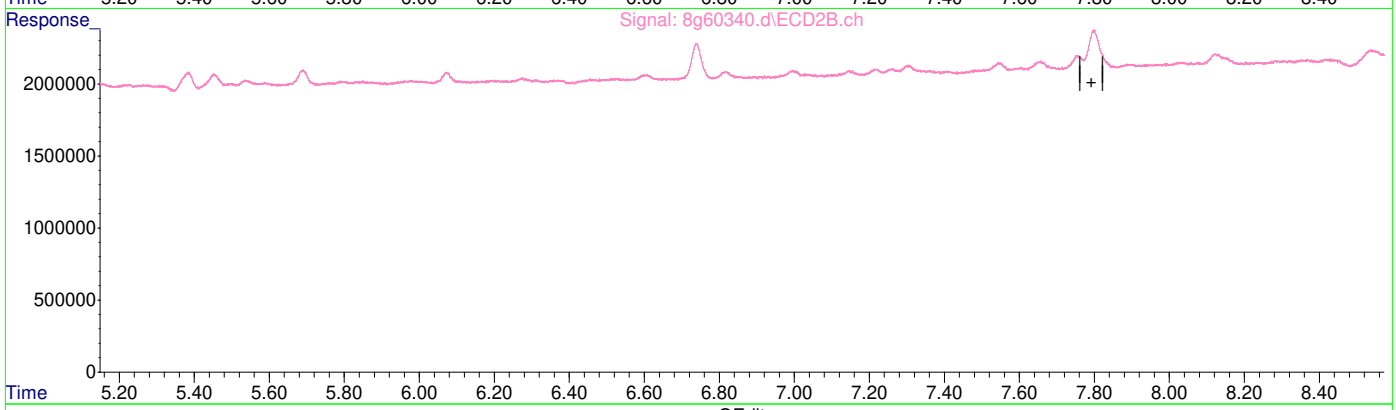
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60340.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 10:50 am
Operator : rebeccak
Sample : ddt
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 06:59:10 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 06:56:21 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(15) 4,4'-DDE (B)

0.000min 0.000 PPB

response 0

(15) 4,4'-DDE #2 (B)

0.000min 0.000 PPB

response 0

(+) = Expected Retention Time

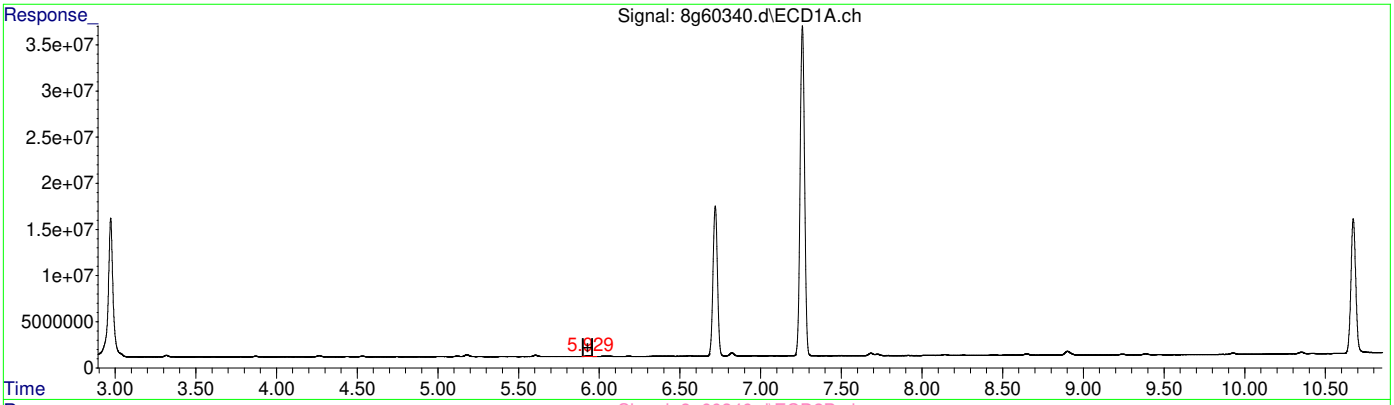
8PSTLVI2596a.M Thu Sep 19 06:59:35 2024 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60340.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 10:50 am
Operator : rebeccak
Sample : ddt
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 06:59:10 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 06:56:21 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(15) 4,4'-DDE (B)

5.929min 0.020 PPB m

response 1340099

(15) 4,4'-DDE #2 (B)

7.799min 0.030 PPB m

response 5370003

(+) = Expected Retention Time
8PSTLVI2596a.M Thu Sep 19 06:59:46 2024

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 12/03/24 16:36

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62762.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 12:19 am
Operator : christp
Sample : ddt
Misc : op59749,g8g2700,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:04:44 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1)	I 1-bromo-2...	2.403	2.768	319.8E6	717.0E6	5.000m	5.000
27)	I 1-bromo-2...	2.403	2.768	322.1E6	717.0E6	5.000m	5.000
33)	I 1-bromo-2...	2.403	2.768	319.5E6	717.0E6	5.000m	5.000
	System Monitoring Compounds						
2)	SAB Tetrachlo...	2.952	3.650	308.6E6	785.0E6	5.002	4.469
	Spiked Amount	40.000 Range	30 - 150	Recovery	=	12.50%#	11.17%#
26)	SA Decachlor...	10.616	12.997	325.5E6	433.2E6	5.484	4.359
	Spiked Amount	40.000		Recovery	=	13.71%	10.90%
	Target Compounds						
15)	B 4,4'-DDE	5.879	7.724	723064	2850969	0.010m	0.018m#
17)	MA Endrin	6.660	8.577	347.5E6	630.3E6	6.016	5.154
18)	A 4,4'-DDD	6.768	8.722	13352496	45252466	0.216m	0.324 #
20)	MA 4,4'-DDT	7.203	9.280	658.0E6	1067.6E6	10.560	9.246
21)	B Endrin Al...	7.662	9.522	877688	5876817	0.017m	0.053m#
25)	B Endrin Ke...	8.835	10.971	7141980	13027832	0.094m	0.074m
	SemiQuant Compounds - Not Calibrated on this Instrument						

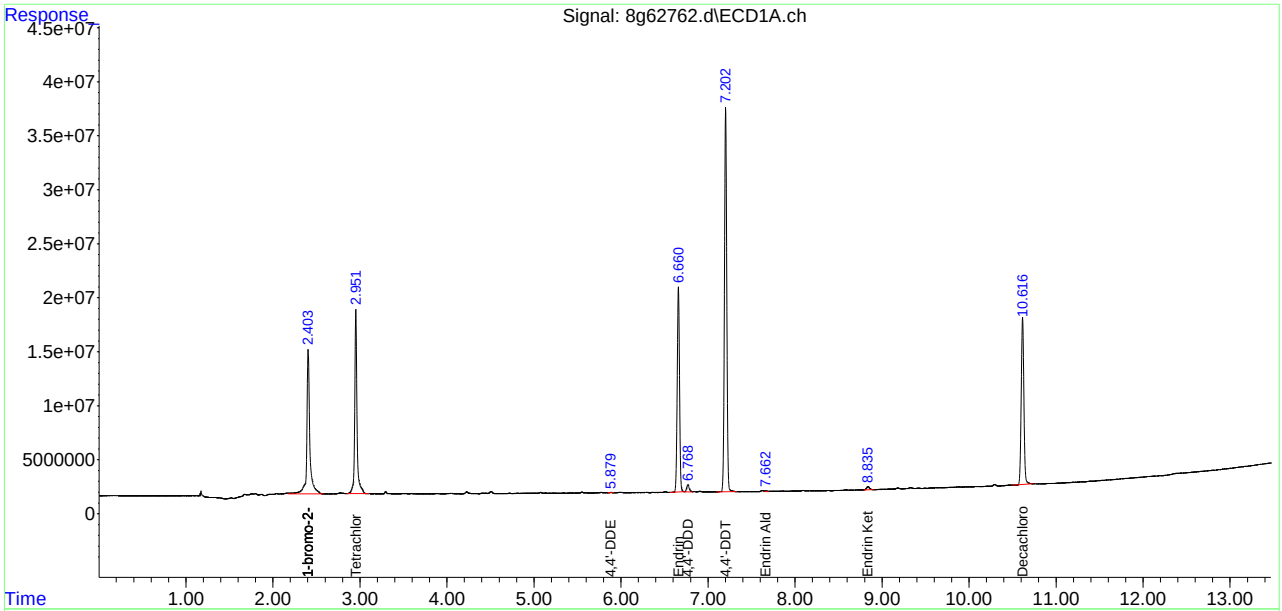
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

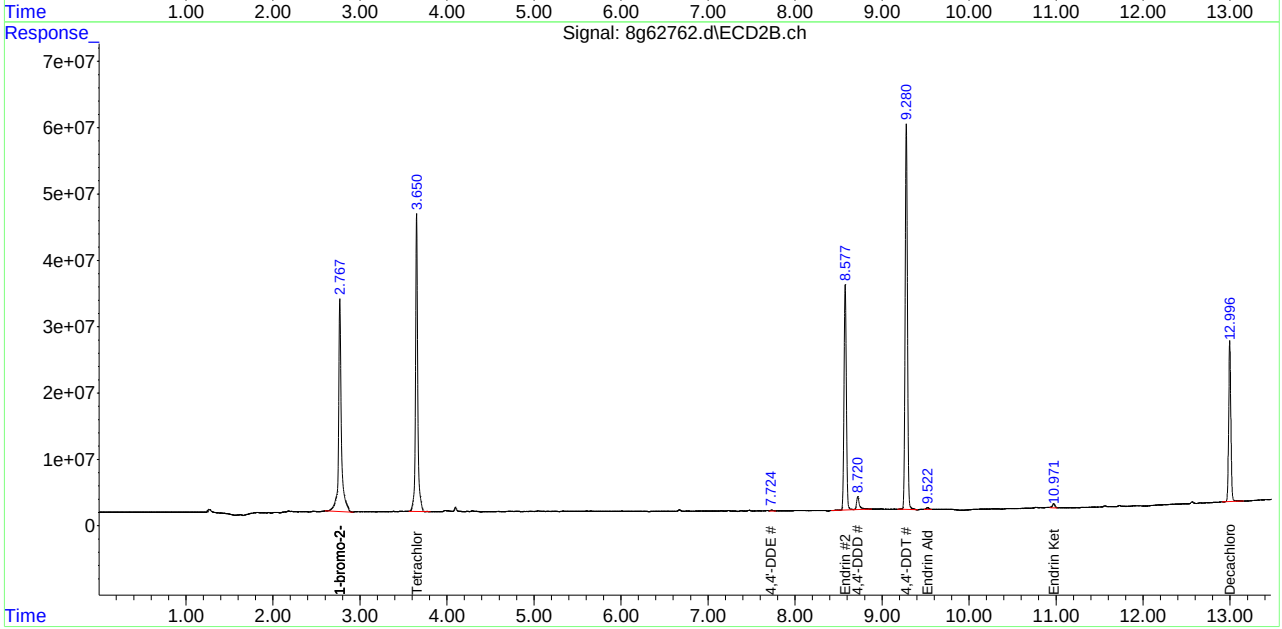
Quantitation Report (QT Reviewed)

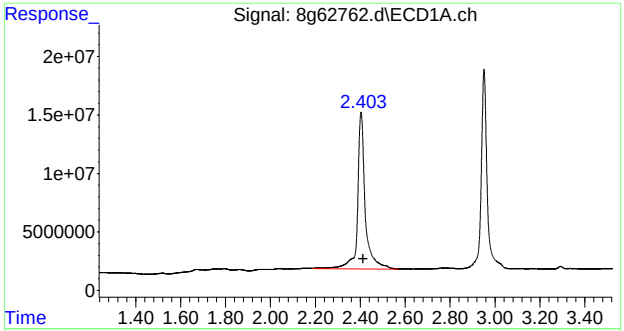
Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62762.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 12:19 am
Operator : christp
Sample : ddt
Misc : op59749,g8g2700,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:04:44 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

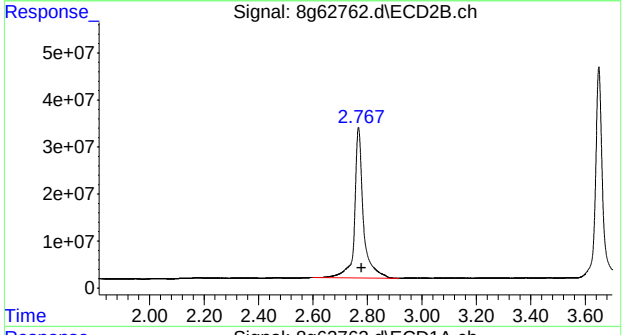






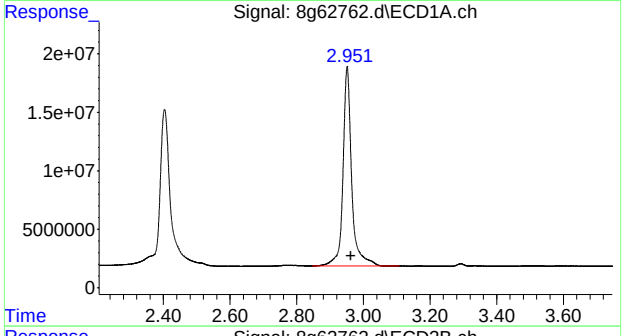
#1 1-bromo-2-nitrobenzene

R.T.: 2.403 min
Delta R.T.: -0.010 min
Response: 319795027
Conc: 5.00 PPB m



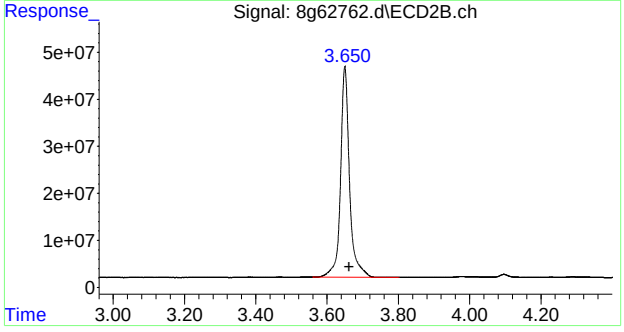
#1 1-bromo-2-nitrobenzene

R.T.: 2.768 min
Delta R.T.: -0.010 min
Response: 717027911
Conc: 5.00 PPB



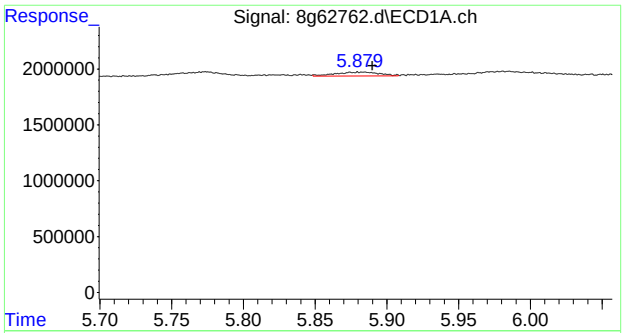
#2 Tetrachloro-m-xylene

R.T.: 2.952 min
Delta R.T.: -0.011 min
Response: 308638667
Conc: 5.00 PPB



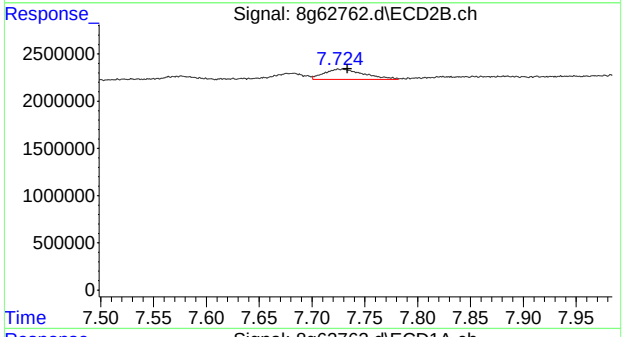
#2 Tetrachloro-m-xylene

R.T.: 3.650 min
Delta R.T.: -0.011 min
Response: 785037963
Conc: 4.47 PPB



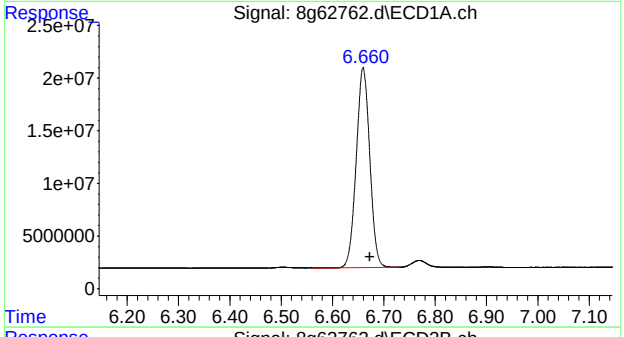
#15 4,4'-DDE

R.T.: 5.879 min
Delta R.T.: -0.011 min
Response: 723064
Conc: 0.01 PPB m



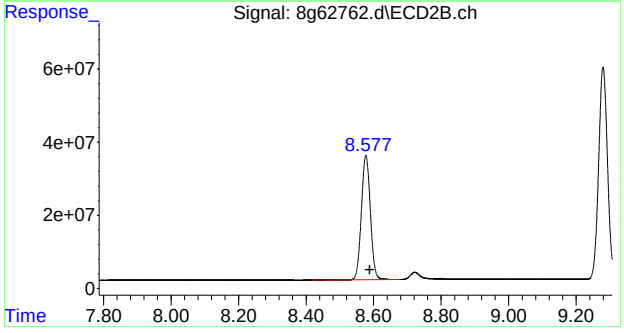
#15 4,4'-DDE

R.T.: 7.724 min
Delta R.T.: -0.009 min
Response: 2850969
Conc: 0.02 PPB m



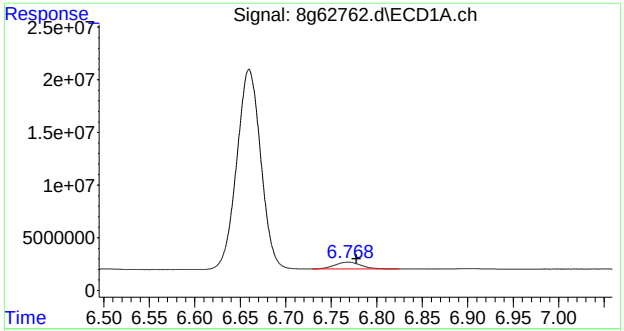
#17 Endrin

R.T.: 6.660 min
Delta R.T.: -0.013 min
Response: 347533700
Conc: 6.02 PPB



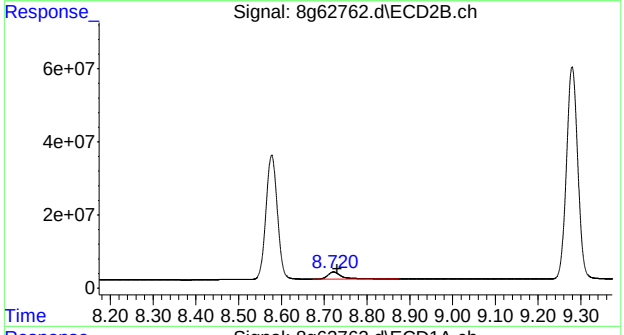
#17 Endrin

R.T.: 8.577 min
Delta R.T.: -0.012 min
Response: 630312279
Conc: 5.15 PPB



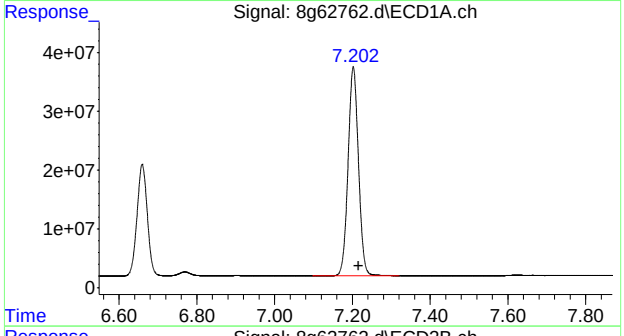
#18 4,4'-DDD

R.T.: 6.768 min
Delta R.T.: -0.010 min
Response: 13352496
Conc: 0.22 PPB m



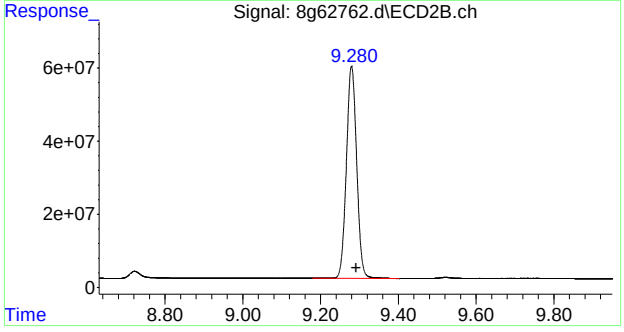
#18 4,4'-DDD

R.T.: 8.722 min
Delta R.T.: -0.008 min
Response: 45252466
Conc: 0.32 PPB



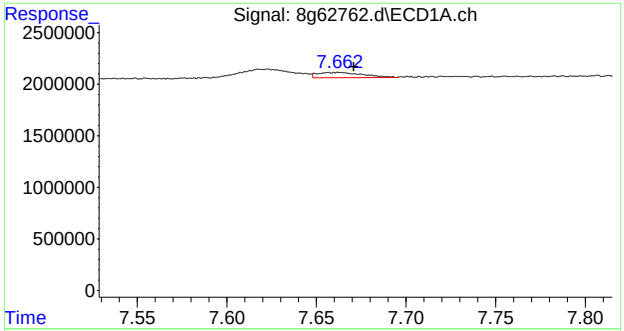
#20 4,4'-DDT

R.T.: 7.203 min
Delta R.T.: -0.013 min
Response: 657954260
Conc: 10.56 PPB



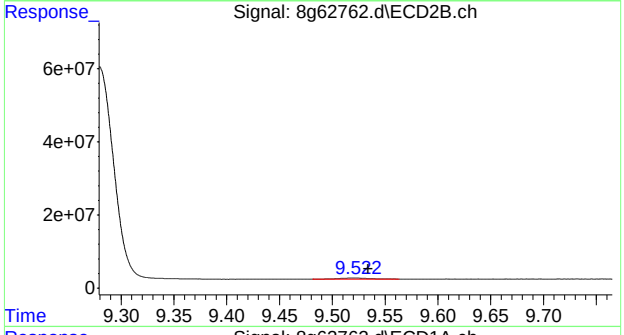
#20 4,4'-DDT

R.T.: 9.280 min
Delta R.T.: -0.012 min
Response: 1067635809
Conc: 9.25 PPB



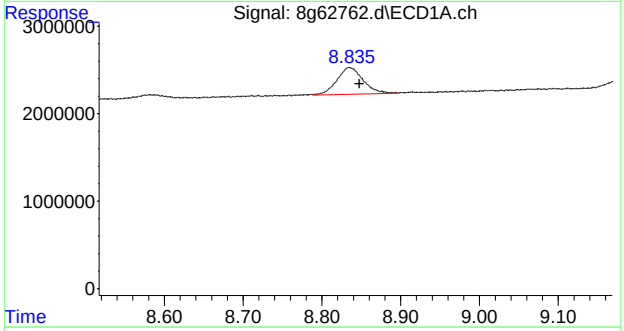
#21 Endrin Aldehyde

R.T.: 7.662 min
Delta R.T.: -0.009 min
Response: 877688
Conc: 0.02 PPB m



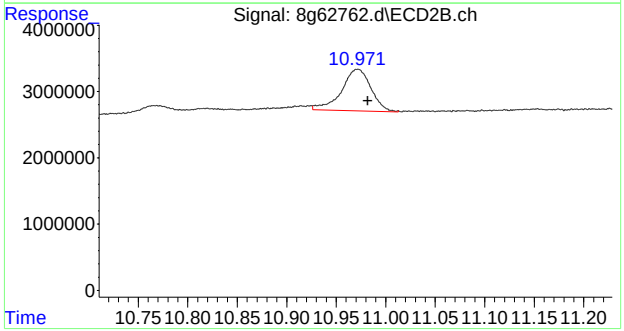
#21 Endrin Aldehyde

R.T.: 9.522 min
Delta R.T.: -0.012 min
Response: 5876817
Conc: 0.05 PPB m



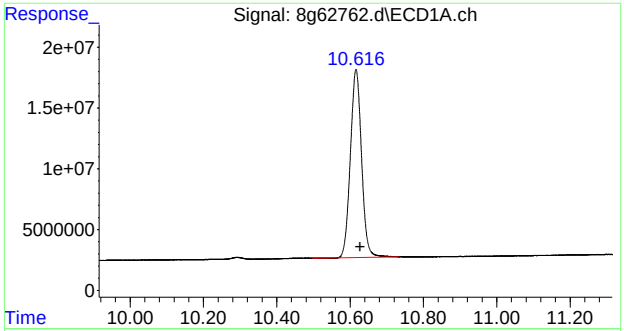
#25 Endrin Ketone

R.T.: 8.835 min
Delta R.T.: -0.013 min
Response: 7141980
Conc: 0.09 PPB m



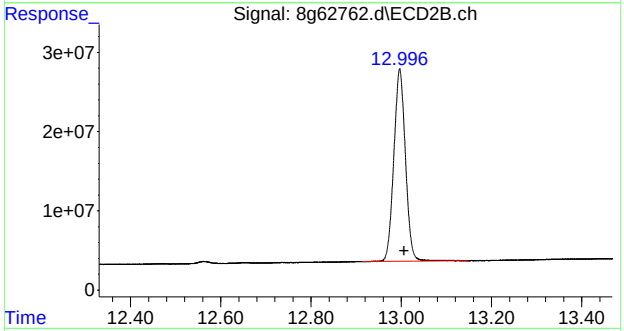
#25 Endrin Ketone

R.T.: 10.971 min
Delta R.T.: -0.010 min
Response: 13027832
Conc: 0.07 PPB m



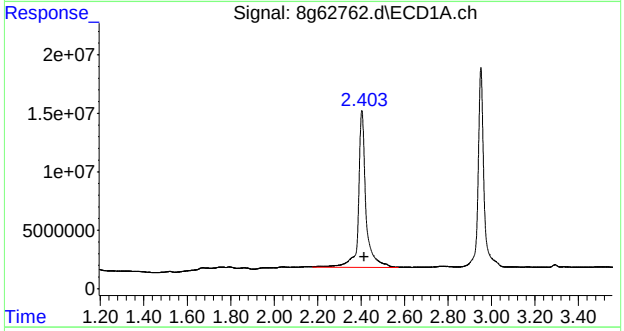
#26 Decachlorobiphenyl

R.T.: 10.616 min
Delta R.T.: -0.011 min
Response: 325541306
Conc: 5.48 PPB



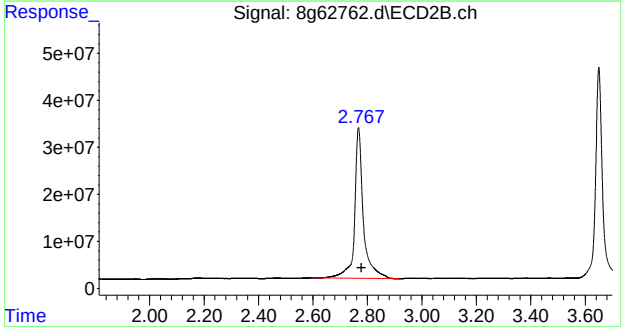
#26 Decachlorobiphenyl

R.T.: 12.997 min
Delta R.T.: -0.010 min
Response: 433154026
Conc: 4.36 PPB



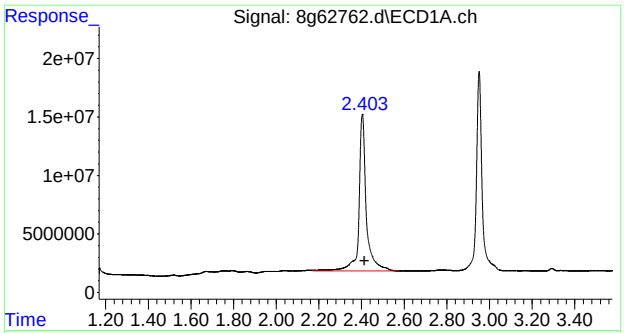
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.403 min
Delta R.T.: -0.010 min
Response: 322130235
Conc: 5.00 PPB m



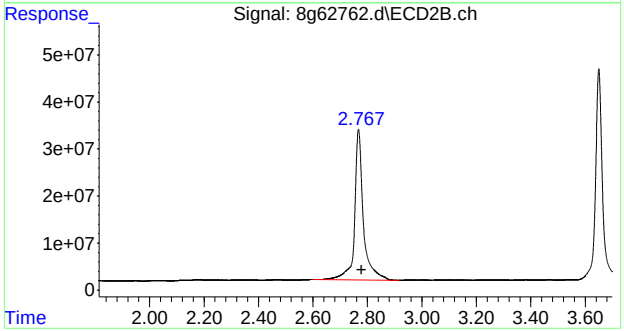
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.768 min
Delta R.T.: -0.010 min
Response: 717027911
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.403 min
Delta R.T.: -0.010 min
Response: 319506287
Conc: 5.00 PPB m



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.768 min
Delta R.T.: -0.010 min
Response: 717027911
Conc: 5.00 PPB

Manual Integration Approval Summary

Sample Number: G8G2700-DDT
Lab FileID: 8G62762.D
Injection Time: 12/03/24 00:19
Method: SW846 8081B
Analyst approved: 12/03/24 08:06 Christopher Changho
Supervisor approved: 12/03/24 16:36 Gwendolyn Burns

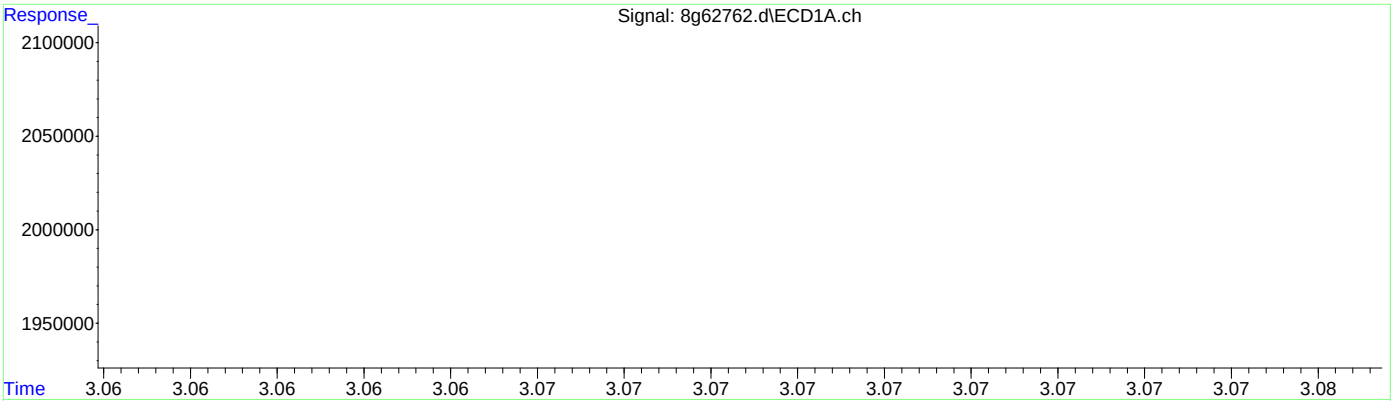
Parameter	CAS	Sig#	R.T. (min.)	Reason
1-Bromo-2-nitrobenzene	577-19-5	1	2.40	Poorly defined baseline
4,4'-DDE	72-55-9	1	5.88	Poorly defined baseline
4,4'-DDD	72-54-8	1	6.77	Poorly defined baseline
Endrin aldehyde	7421-93-4	1	7.66	Poorly defined baseline
4,4'-DDE	72-55-9	2	7.72	Poorly defined baseline
Endrin ketone	53494-70-5	1	8.83	Poorly defined baseline
Endrin aldehyde	7421-93-4	2	9.52	Poorly defined baseline
Endrin ketone	53494-70-5	2	10.97	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62762.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 12:19 am
Operator : christp
Sample : ddt
Misc : op59749,g8g2700,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:02:43 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(1) 1-bromo-2-nitrobenzene (I)

2.404min 5.000 PPB

response 348829109

(1) 1-bromo-2-nitrobenzene #2 (I)

2.768min 5.000 PPB

response 717027911

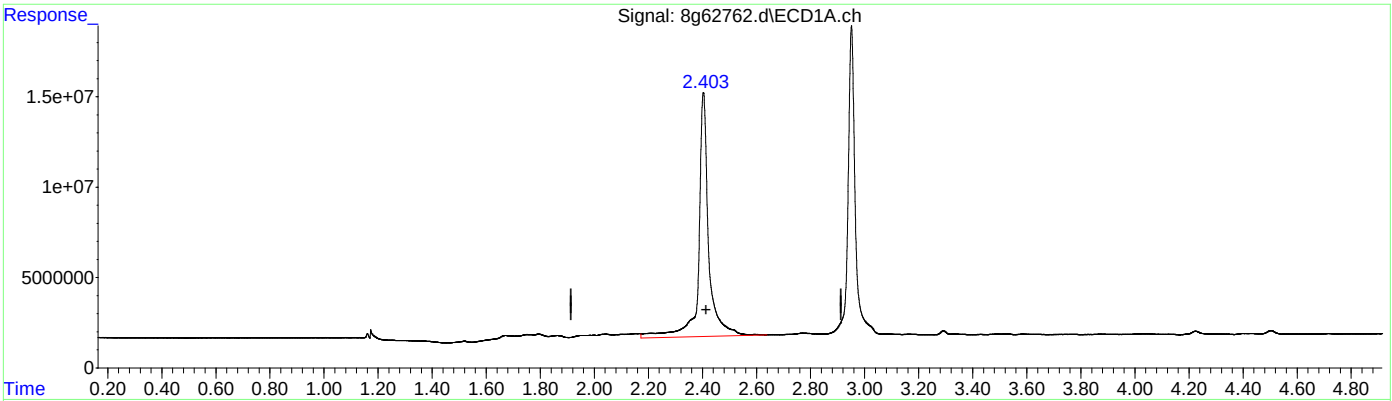
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:03:17 2024

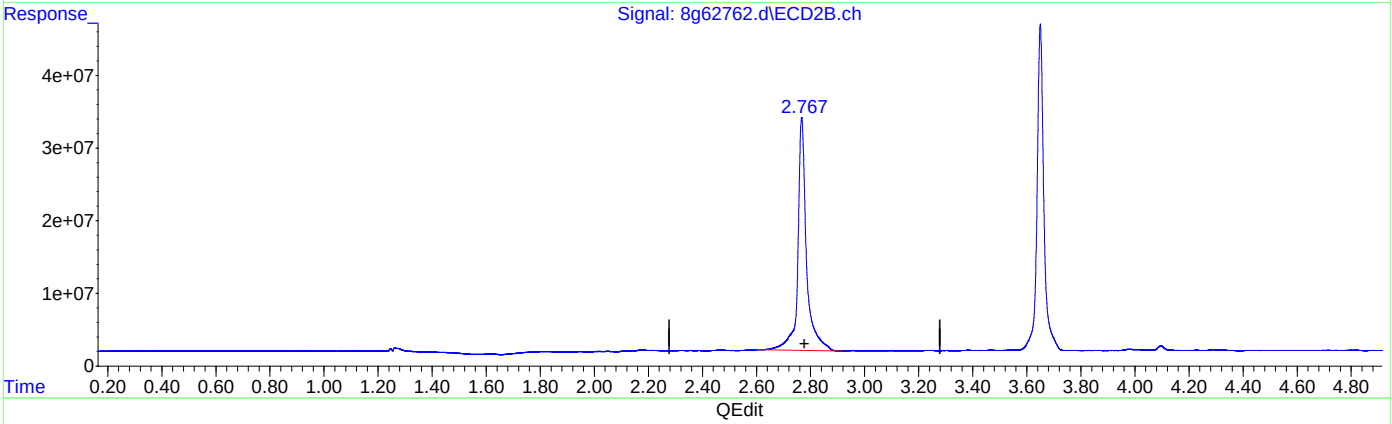
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62762.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 12:19 am
Operator : christp
Sample : ddt
Misc : op59749,g8g2700,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:02:43 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(1) 1-bromo-2-nitrobenzene (I)

2.404min 5.000 PPB

response 348829109

(1) 1-bromo-2-nitrobenzene #2 (I)

2.768min 5.000 PPB

response 717027911

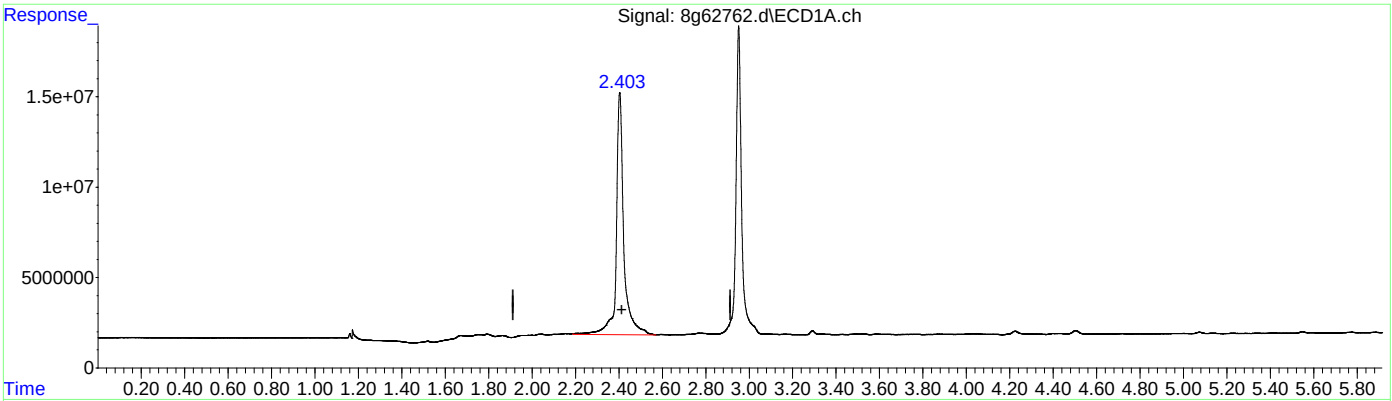
(+) = Expected Retention Time

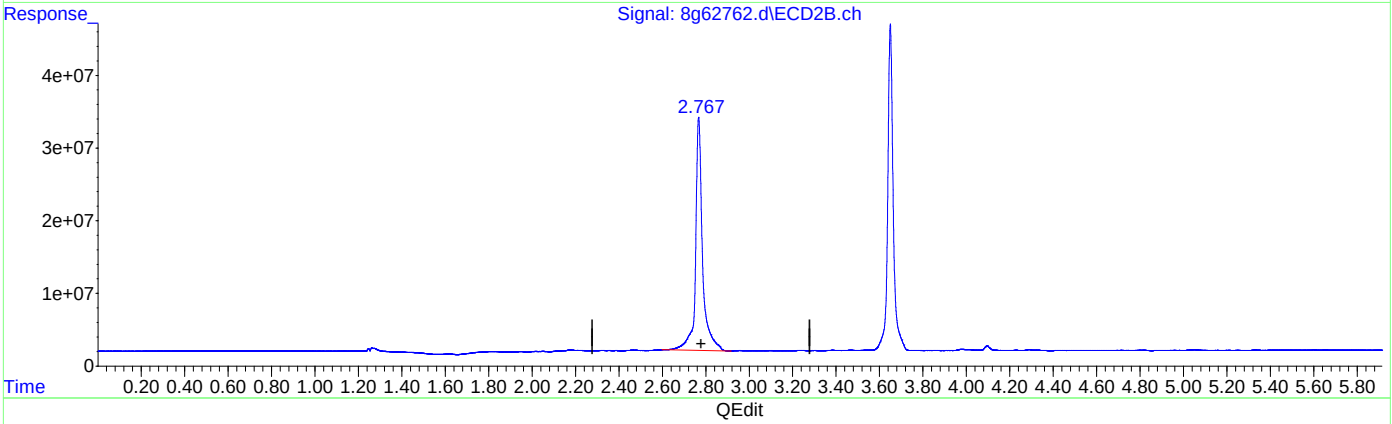
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62762.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 12:19 am
Operator : christp
Sample : ddt
Misc : op59749,g8g2700,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:02:43 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(1) 1-bromo-2-nitrobenzene (I)

2.403min 5.000 PPB m

response 319795027

(1) 1-bromo-2-nitrobenzene #2 (I)

2.768min 5.000 PPB

response 717027911

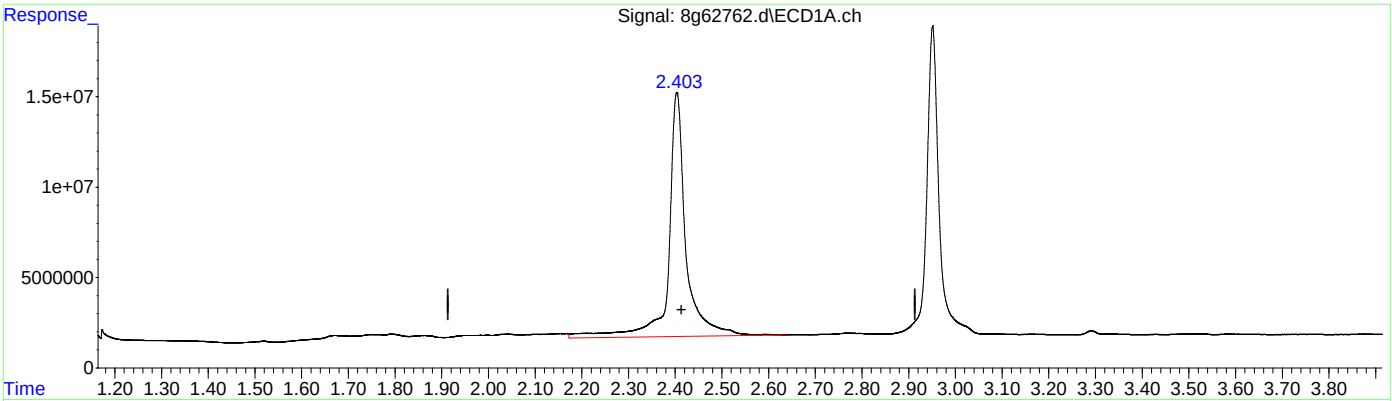
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:03:26 2024

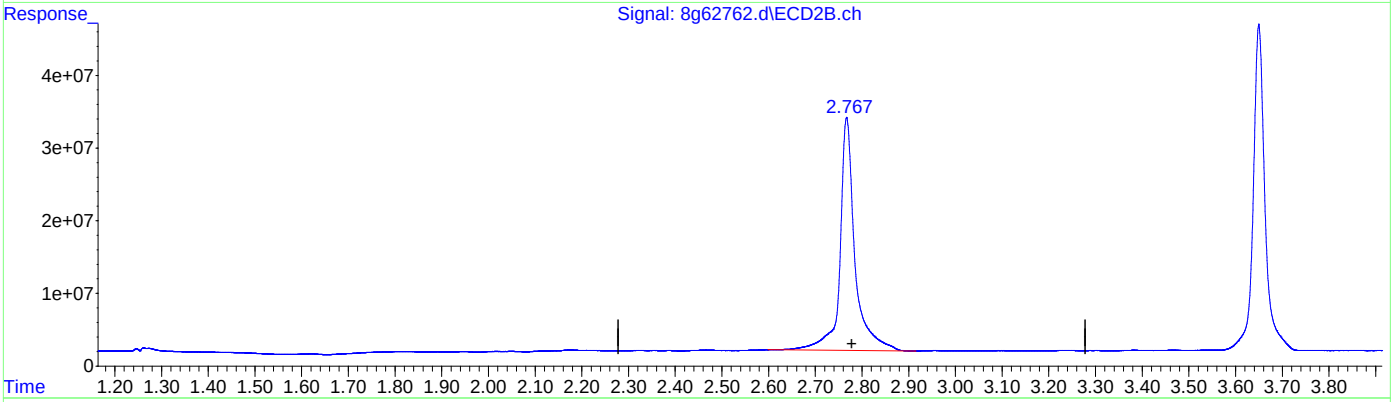
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62762.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 12:19 am
Operator : christp
Sample : ddt
Misc : op59749,g8g2700,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:02:43 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(27) 1-bromo-2-nitrobenzeneA (I)

2.404min 5.000 PPB

response 348829109

(27) 1-bromo-2-nitrobenzeneA #2 (I)

2.768min 5.000 PPB

response 717027911

(+) = Expected Retention Time

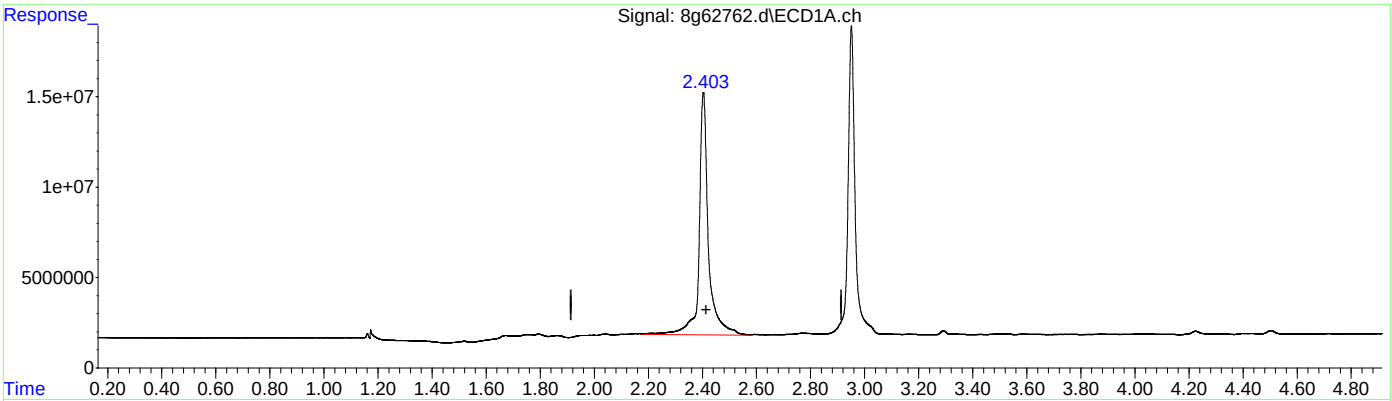
8PSTLVI2596a.M Tue Dec 03 12:03:29 2024 Page: 1

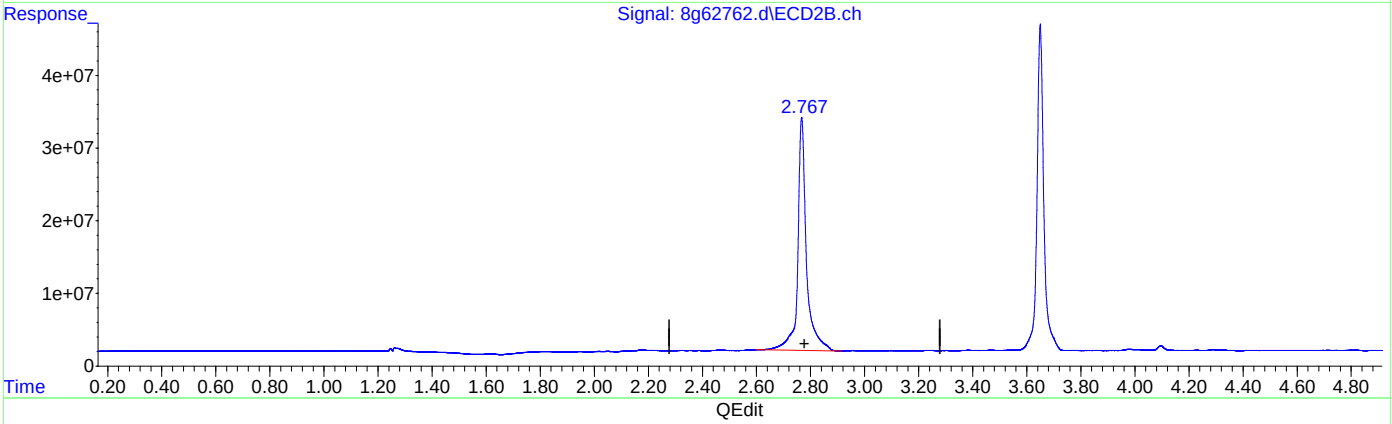
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62762.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 12:19 am
Operator : christp
Sample : ddt
Misc : op59749,g8g2700,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:02:43 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(27) 1-bromo-2-nitrobenzeneA (I)

2.403min 5.000 PPB m

response 322130235

(27) 1-bromo-2-nitrobenzeneA #2 (I)

2.768min 5.000 PPB

response 717027911

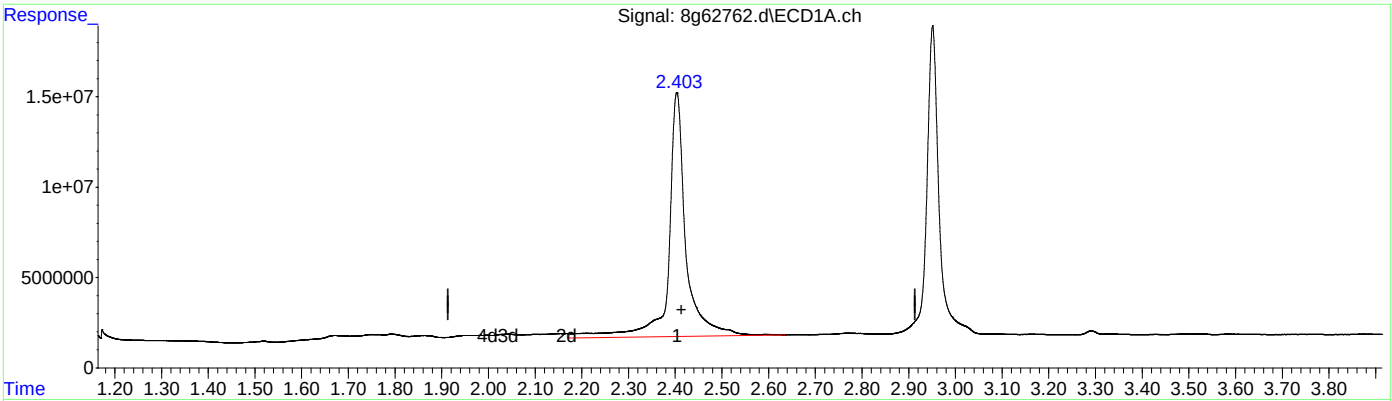
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:03:34 2024

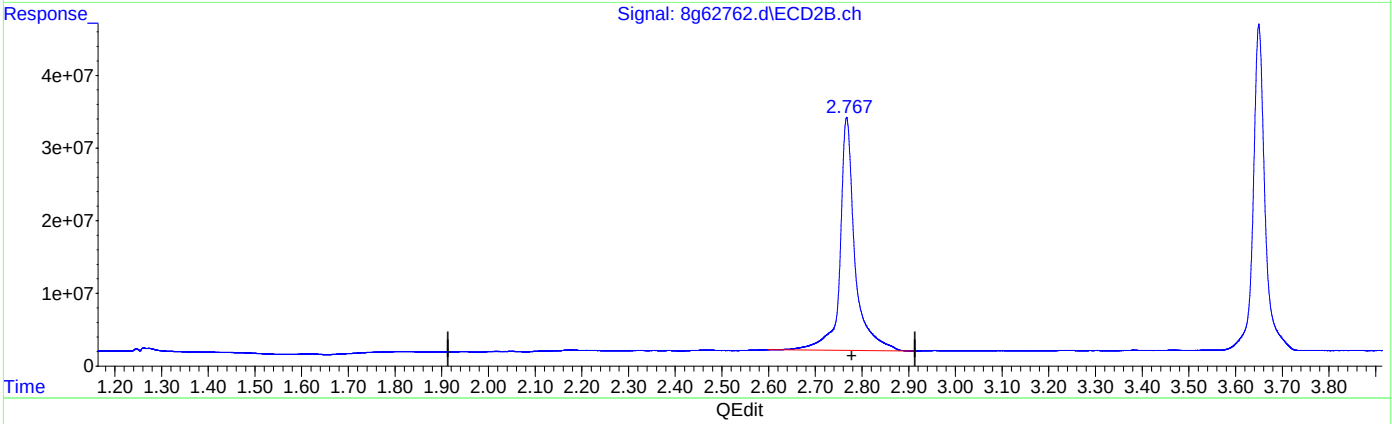
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62762.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 12:19 am
Operator : christp
Sample : ddt
Misc : op59749,g8g2700,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:02:43 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(33) 1-bromo-2-nitrobenzeneB (I)

2.404min 5.000 PPB

response 348829109

(33) 1-bromo-2-nitrobenzeneB #2 (I)

2.768min 5.000 PPB

response 717027911

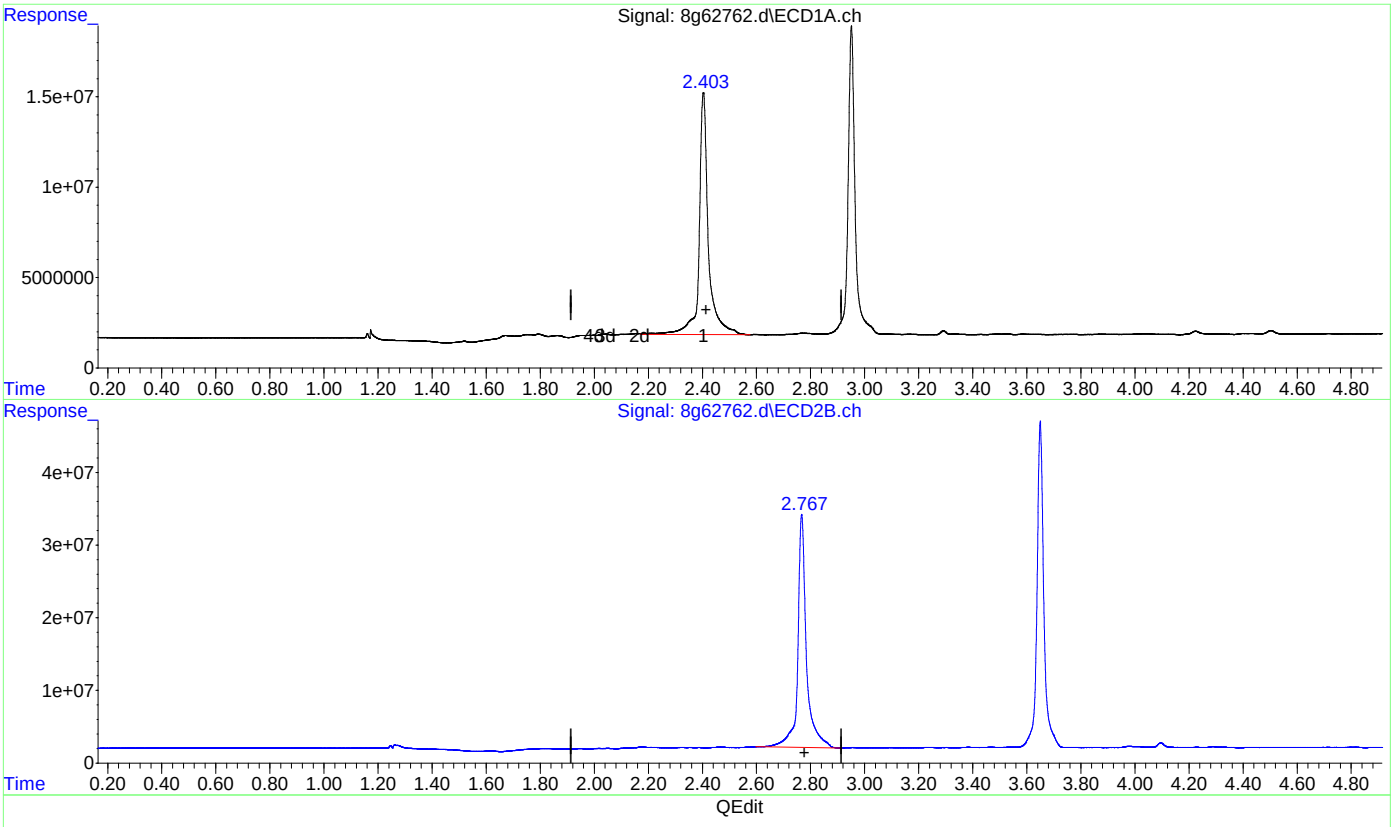
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:03:36 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62762.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 12:19 am
Operator : christp
Sample : ddt
Misc : op59749,g8g2700,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:02:43 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(33) 1-bromo-2-nitrobenzeneB (I)

2.403min 5.000 PPB m

response 319506287

(33) 1-bromo-2-nitrobenzeneB #2 (I)

2.768min 5.000 PPB

response 717027911

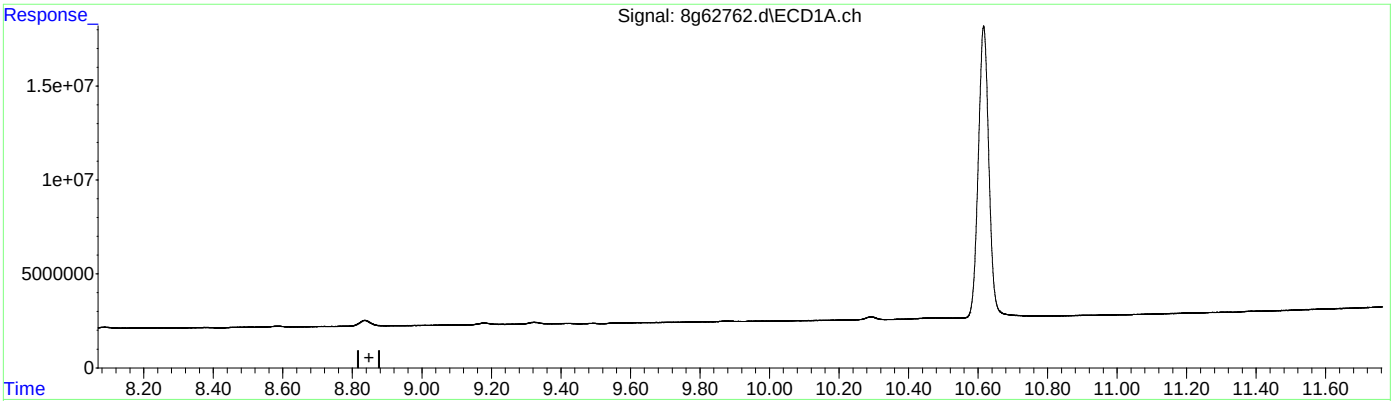
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:03:41 2024

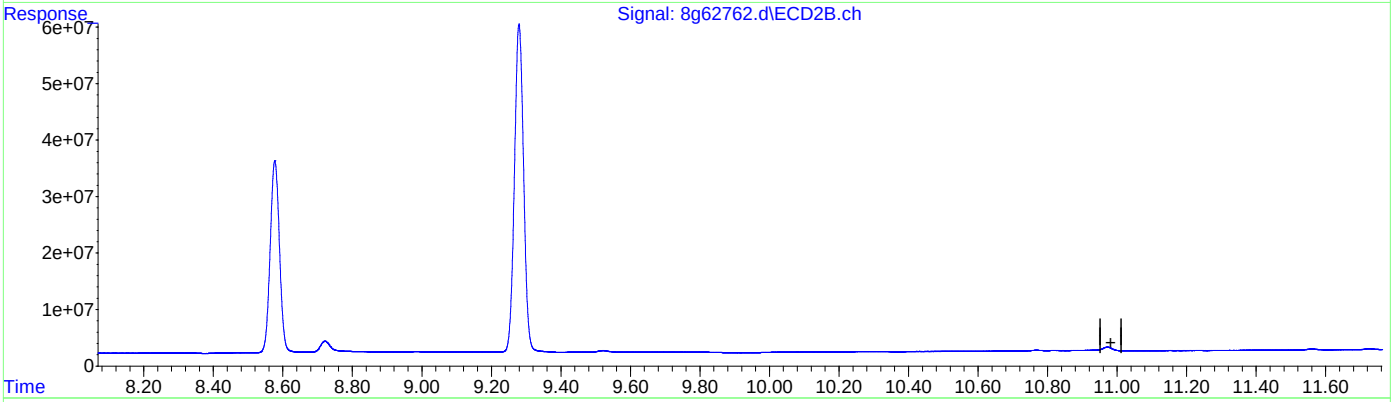
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62762.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 12:19 am
Operator : christp
Sample : ddt
Misc : op59749,g8g2700,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:02:43 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(25) Endrin Ketone (B)

0.000min 0.000 PPB

response 0

(25) Endrin Ketone #2 (B)

0.000min 0.000 PPB

response 0

(+) = Expected Retention Time

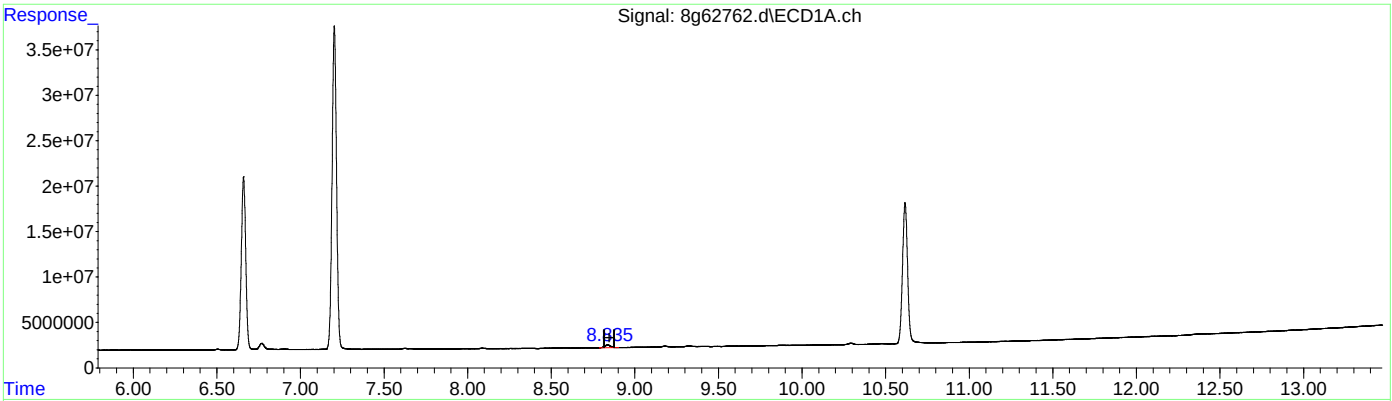
8PSTLVI2596a.M Tue Dec 03 12:03:52 2024 Page: 1

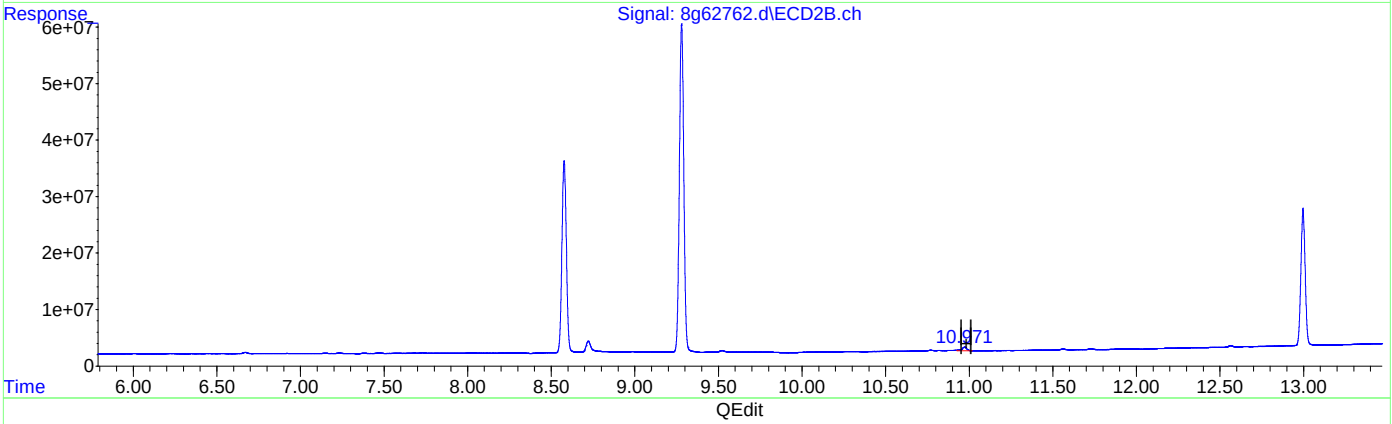
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62762.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 12:19 am
Operator : christp
Sample : ddt
Misc : op59749,g8g2700,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:02:43 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(25) Endrin Ketone (B)

8.835min 0.094 PPB m

response 7141980

(25) Endrin Ketone #2 (B)

10.971min 0.074 PPB m

response 13027832

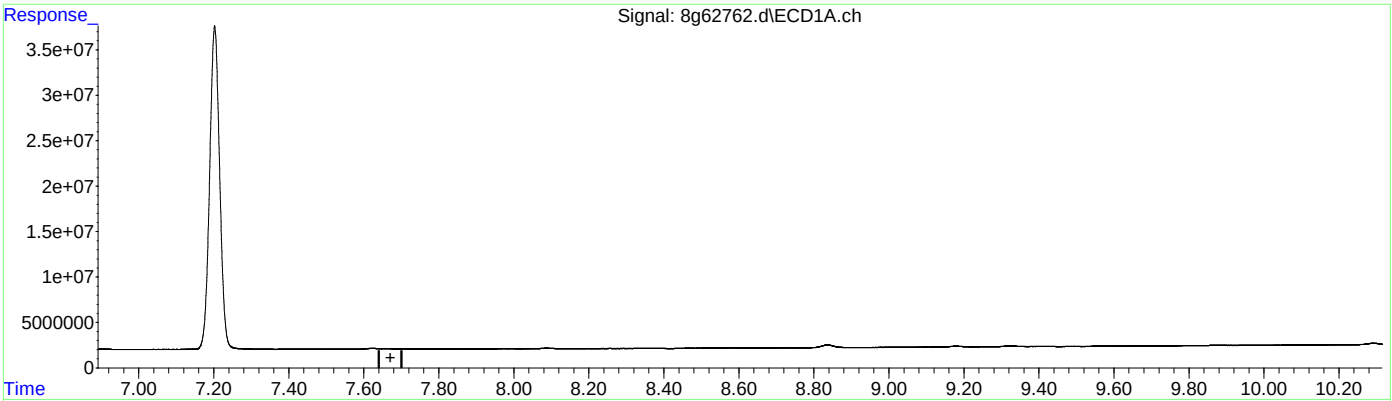
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:04:01 2024

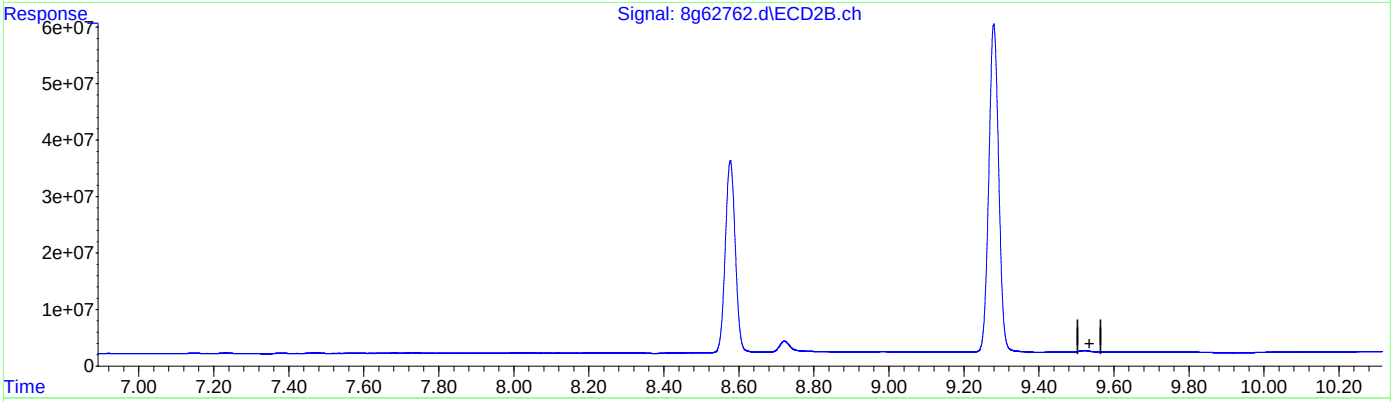
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62762.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 12:19 am
Operator : christp
Sample : ddt
Misc : op59749,g8g2700,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:02:43 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(21) Endrin Aldehyde (B)

0.000min 0.000 PPB

response 0

(21) Endrin Aldehyde #2 (B)

0.000min 0.000 PPB

response 0

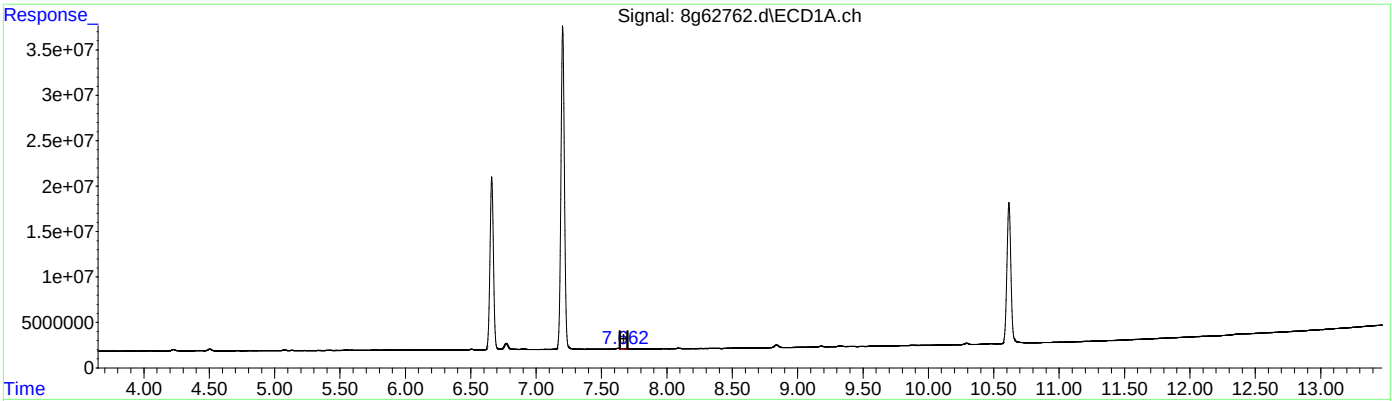
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:04:06 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62762.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 12:19 am
Operator : christp
Sample : ddt
Misc : op59749,g8g2700,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:02:43 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(21) Endrin Aldehyde (B)

7.662min 0.017 PPB m

response 877688

(21) Endrin Aldehyde #2 (B)

9.522min 0.053 PPB m

response 5876817

(+) = Expected Retention Time

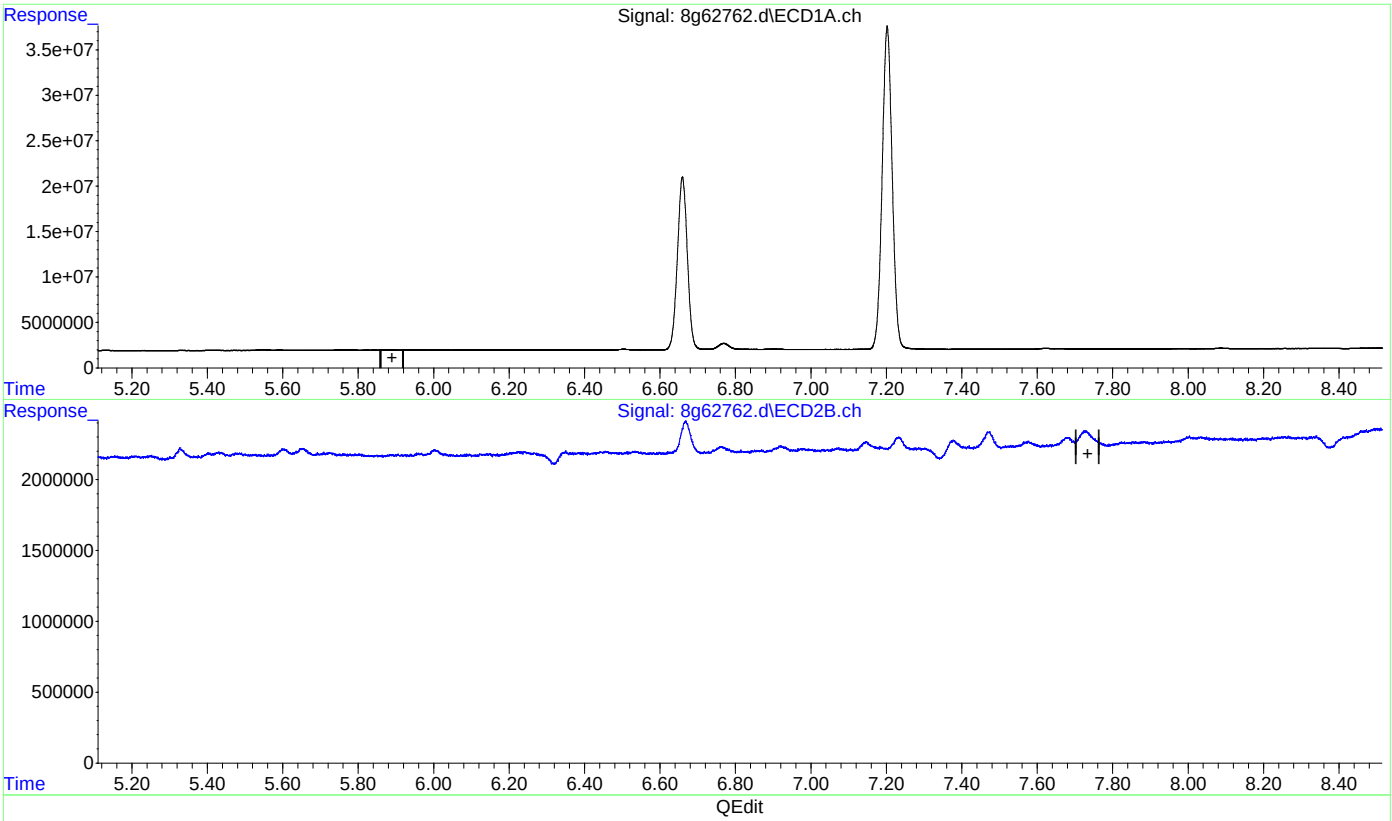
8PSTLVI2596a.M Tue Dec 03 12:04:17 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62762.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 12:19 am
Operator : christp
Sample : ddt
Misc : op59749,g8g2700,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:02:43 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(15) 4,4'-DDE (B)

0.000min 0.000 PPB

response 0

(15) 4,4'-DDE #2 (B)

0.000min 0.000 PPB

response 0

(+) = Expected Retention Time

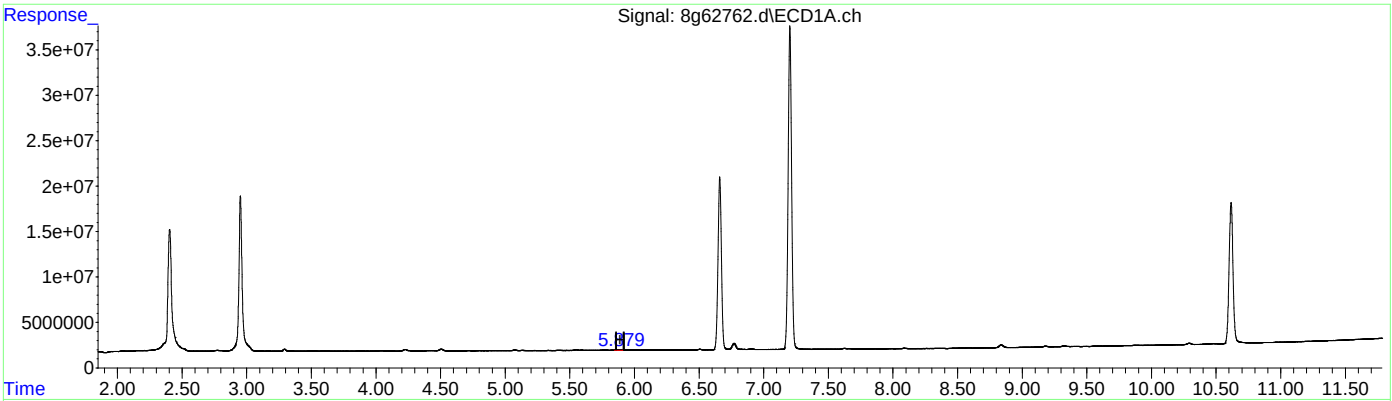
8PSTLVI2596a.M Tue Dec 03 12:04:30 2024 Page: 1

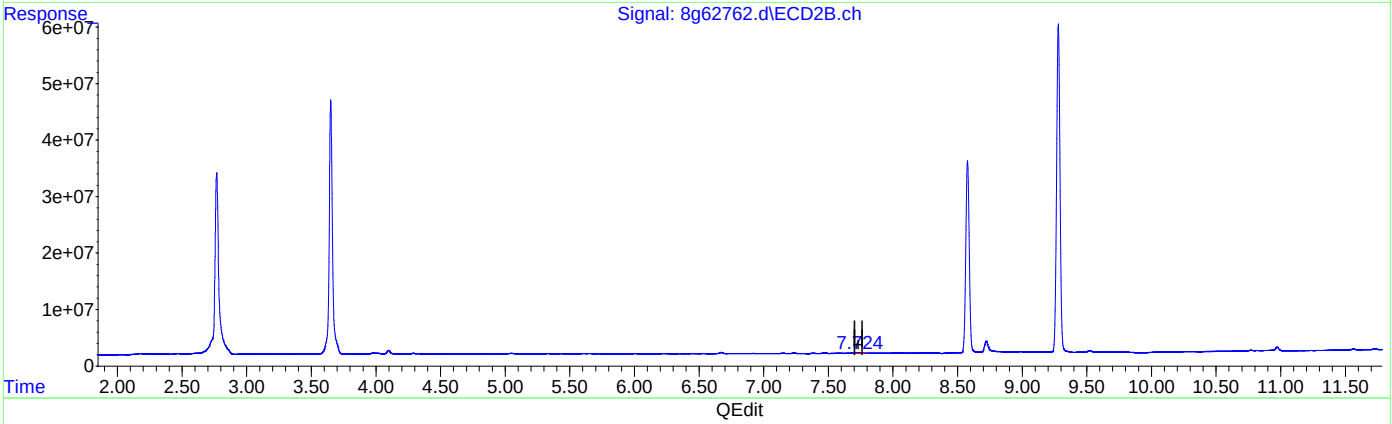
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62762.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 12:19 am
Operator : christp
Sample : ddt
Misc : op59749,g8g2700,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:02:43 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(15) 4,4'-DDE (B)

5.879min 0.010 PPB m

response 723064

(15) 4,4'-DDE #2 (B)

7.724min 0.018 PPB m

response 2850969

(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:04:45 2024

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 12/05/24 15:03

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62843.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 2:33 pm
Operator : kyrac
Sample : ddt
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:25:31 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1)	I 1-bromo-2...	2.417	2.779	335.1E6	817.8E6	5.000m	5.000
27)	I 1-bromo-2...	2.417	2.779	328.2E6	817.8E6	5.000m	5.000
33)	I 1-bromo-2...	2.417	2.779	325.4E6	817.8E6	5.000m	5.000
	System Monitoring Compounds						
2)	SAB Tetrachlo...	2.959	3.656	326.1E6	868.7E6	5.044	4.336
	Spiked Amount 40.000	Range 30 - 150		Recovery =		12.61%#	10.84%#
26)	SA Decachlor...	10.614	12.996	279.1E6	375.8E6	4.486m	3.316m#
	Spiked Amount 40.000			Recovery =		11.22%	8.29%
	Target Compounds						
15)	B 4,4'-DDE	5.887	7.729	1065425	3557918	0.014m	0.020m#
17)	MA Endrin	6.661	8.576	333.0E6	631.7E6	5.501m	4.529m
18)	A 4,4'-DDD	6.768	8.721	15999296	51338802	0.247m	0.322 #
20)	MA 4,4'-DDT	7.204	9.280	636.1E6	1070.7E6	9.743	8.130
21)	B Endrin Al...	7.664	9.520	2313249	9504193	0.042m	0.075m#
25)	B Endrin Ke...	8.833	10.971	8562494	14565598	0.108m	0.073m#
	SemiQuant Compounds - Not Calibrated on this Instrument						

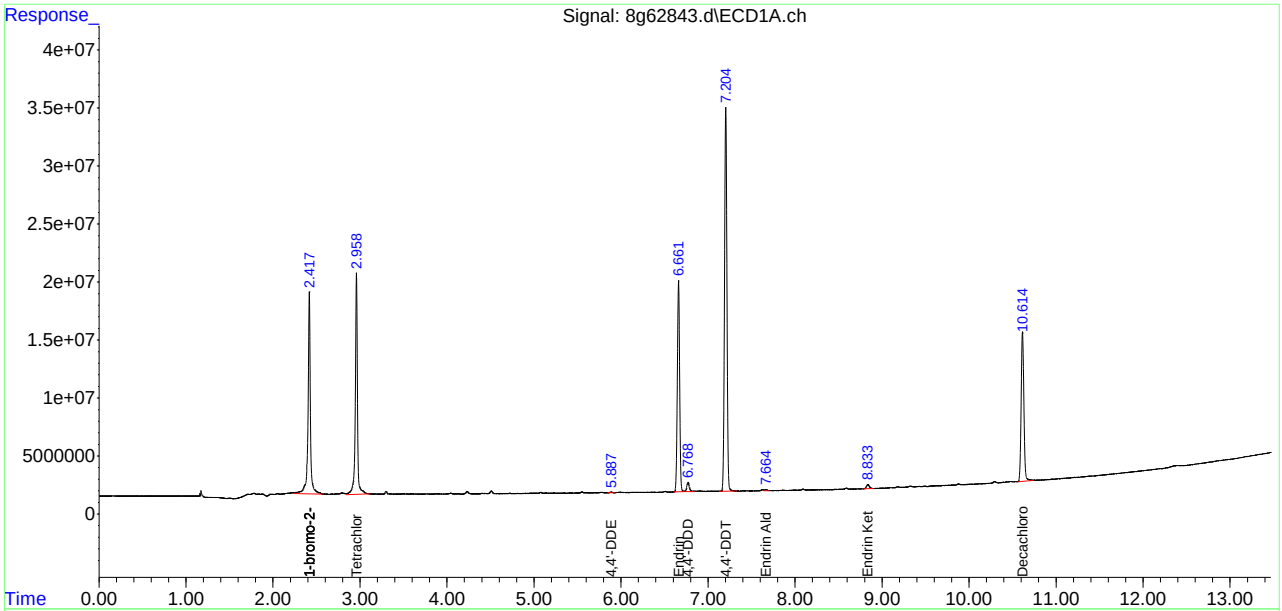
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

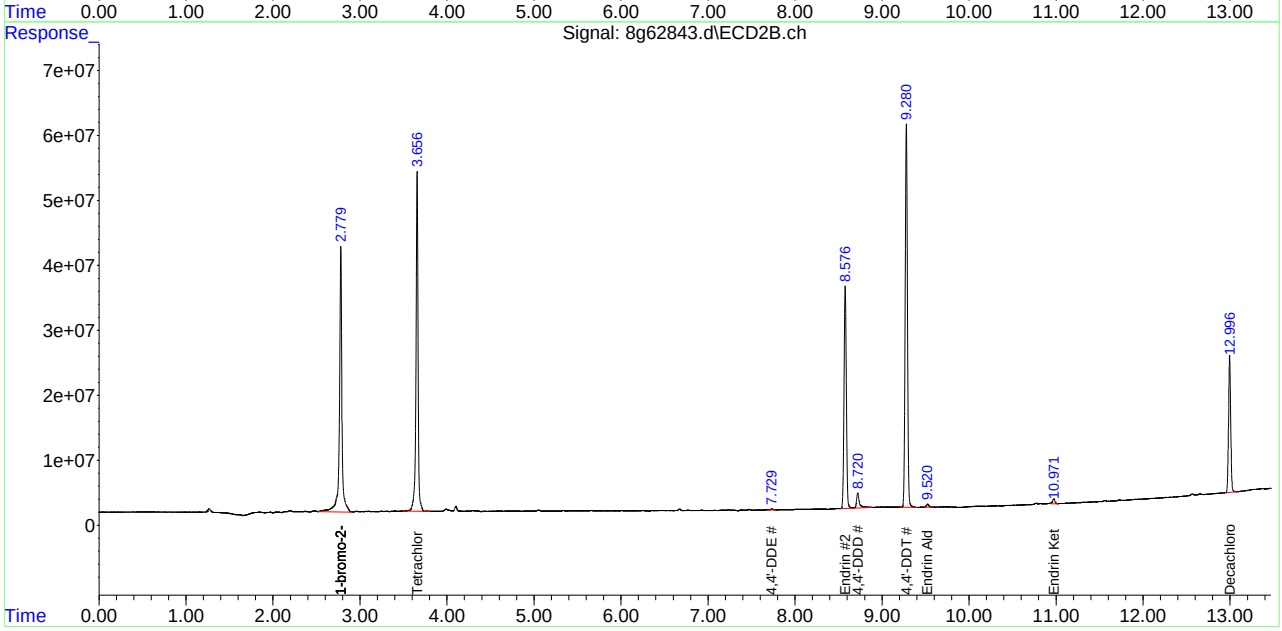
Quantitation Report (QT Reviewed)

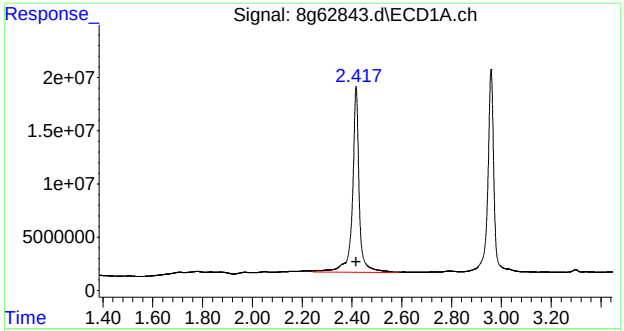
Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62843.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 2:33 pm
Operator : kyrac
Sample : ddt
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:25:31 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

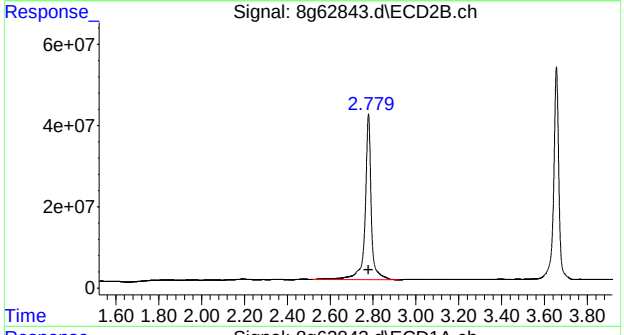






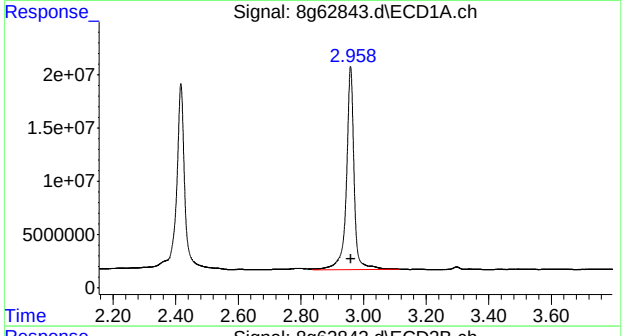
#1 1-bromo-2-nitrobenzene

R.T.: 2.417 min
Delta R.T.: 0.000 min
Response: 335145953
Conc: 5.00 PPB m



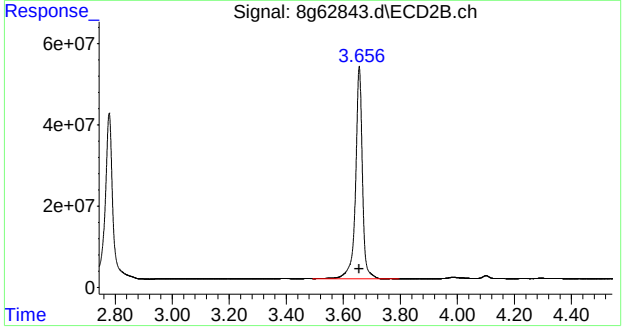
#1 1-bromo-2-nitrobenzene

R.T.: 2.779 min
Delta R.T.: 0.000 min
Response: 817752308
Conc: 5.00 PPB



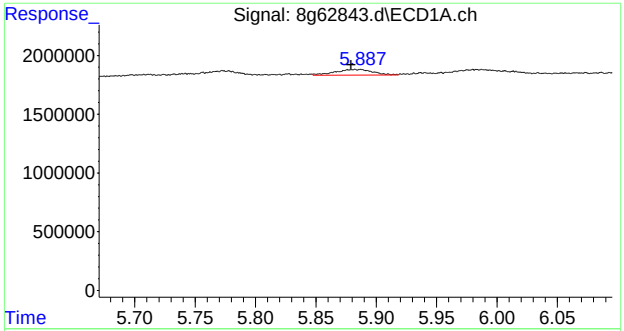
#2 Tetrachloro-m-xylene

R.T.: 2.959 min
Delta R.T.: 0.000 min
Response: 326119517
Conc: 5.04 PPB



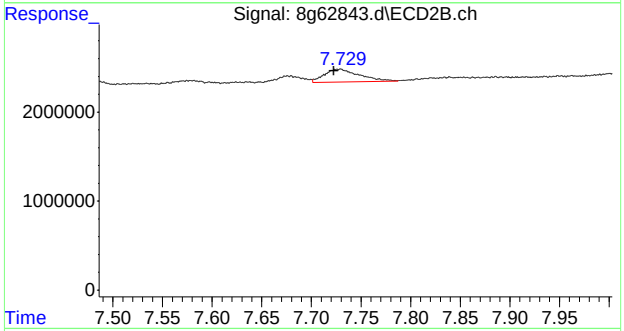
#2 Tetrachloro-m-xylene

R.T.: 3.656 min
Delta R.T.: 0.000 min
Response: 868661757
Conc: 4.34 PPB



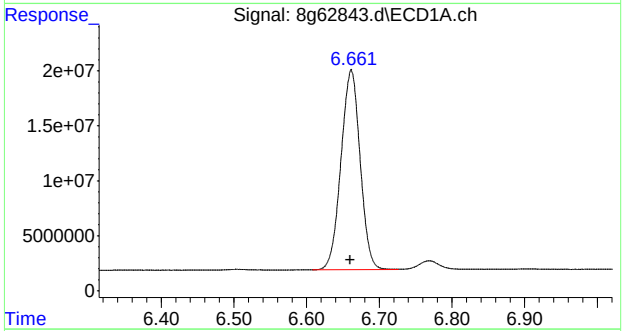
#15 4,4'-DDE

R.T.: 5.887 min
Delta R.T.: 0.008 min
Response: 1065425
Conc: 0.01 PPB m



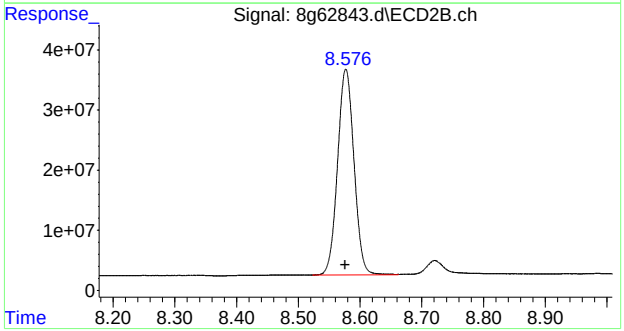
#15 4,4'-DDE

R.T.: 7.729 min
Delta R.T.: 0.007 min
Response: 3557918
Conc: 0.02 PPB m



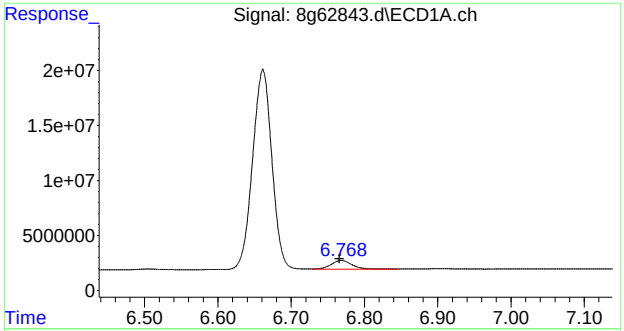
#17 Endrin

R.T.: 6.661 min
Delta R.T.: 0.001 min
Response: 333041143
Conc: 5.50 PPB m



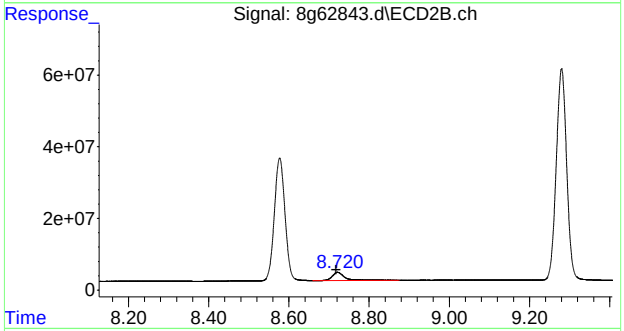
#17 Endrin

R.T.: 8.576 min
Delta R.T.: 0.000 min
Response: 631701162
Conc: 4.53 PPB m



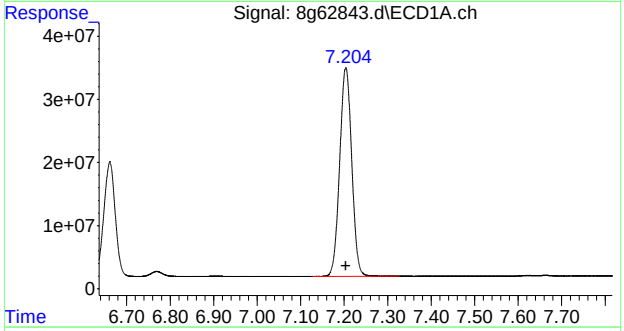
#18 4,4'-DDD

R.T.: 6.768 min
Delta R.T.: 0.002 min
Response: 15999296
Conc: 0.25 PPB m



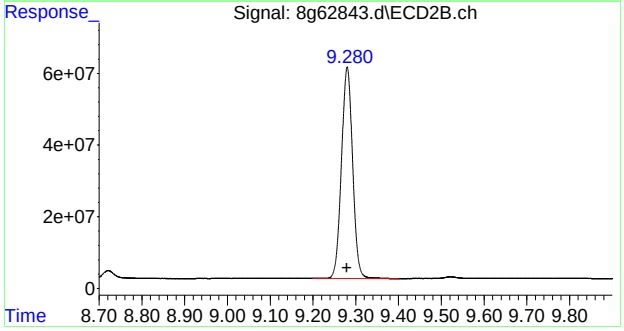
#18 4,4'-DDD

R.T.: 8.721 min
Delta R.T.: 0.003 min
Response: 51338802
Conc: 0.32 PPB



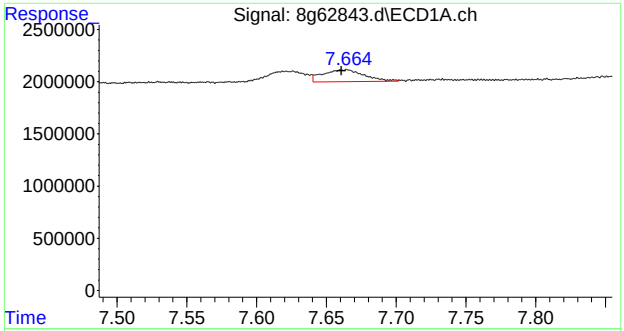
#20 4,4'-DDT

R.T.: 7.204 min
Delta R.T.: 0.000 min
Response: 636139236
Conc: 9.74 PPB



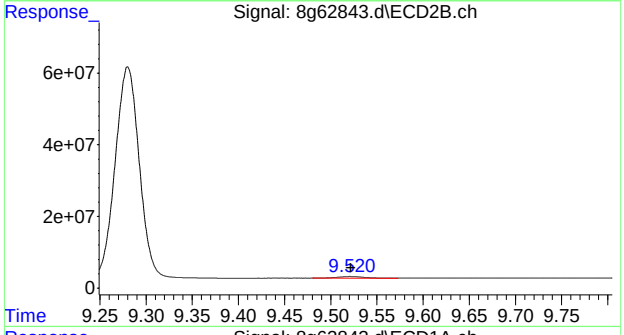
#20 4,4'-DDT

R.T.: 9.280 min
Delta R.T.: 0.000 min
Response: 1070676023
Conc: 8.13 PPB



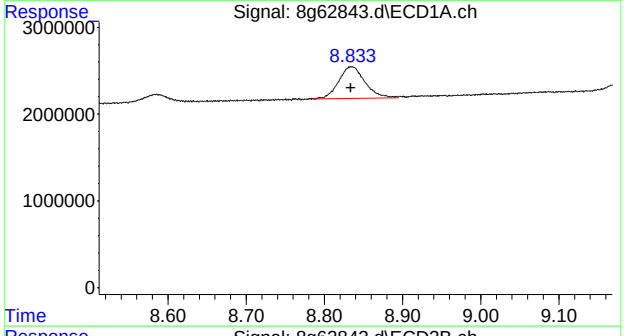
#21 Endrin Aldehyde

R.T.: 7.664 min
Delta R.T.: 0.003 min
Response: 2313249
Conc: 0.04 PPB m



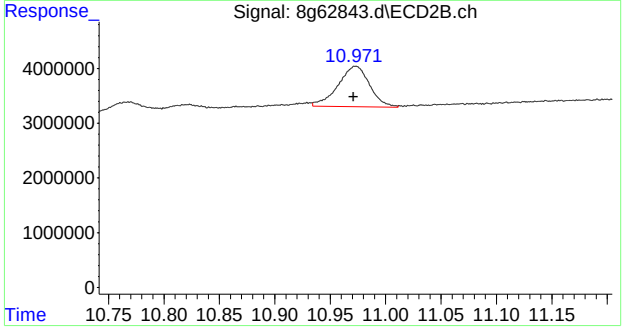
#21 Endrin Aldehyde

R.T.: 9.520 min
Delta R.T.: -0.002 min
Response: 9504193
Conc: 0.07 PPB m



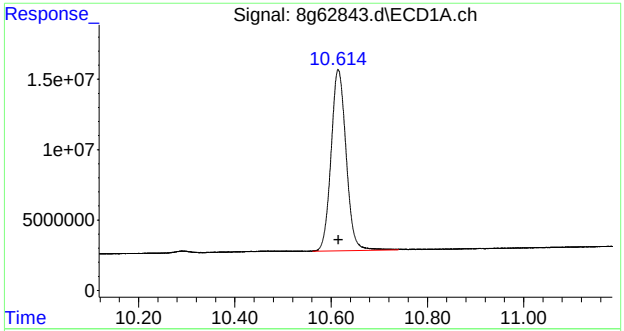
#25 Endrin Ketone

R.T.: 8.833 min
Delta R.T.: 0.000 min
Response: 8562494
Conc: 0.11 PPB m



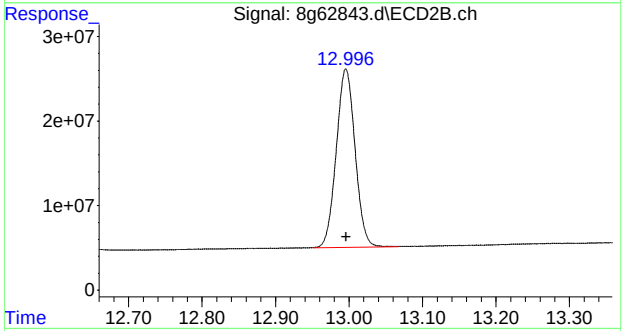
#25 Endrin Ketone

R.T.: 10.971 min
Delta R.T.: 0.000 min
Response: 14565598
Conc: 0.07 PPB m



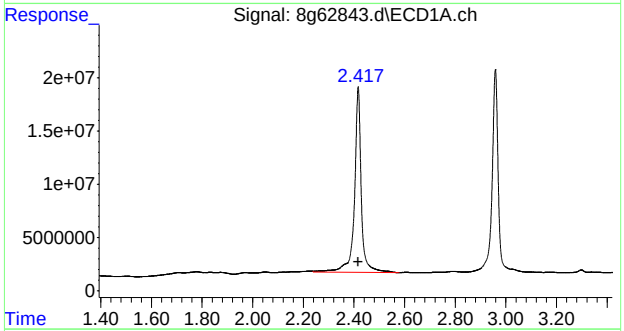
#26 Decachlorobiphenyl

R.T.: 10.614 min
Delta R.T.: -0.001 min
Response: 279057164
Conc: 4.49 PPB m



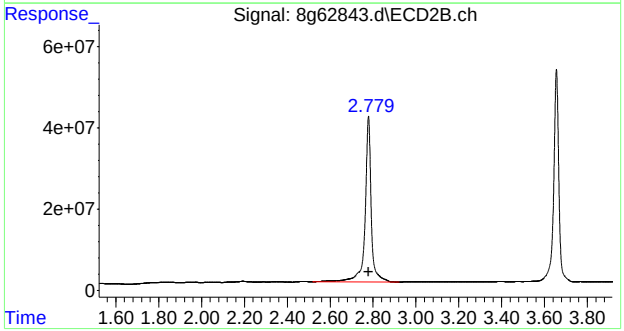
#26 Decachlorobiphenyl

R.T.: 12.996 min
Delta R.T.: 0.000 min
Response: 375811623
Conc: 3.32 PPB m



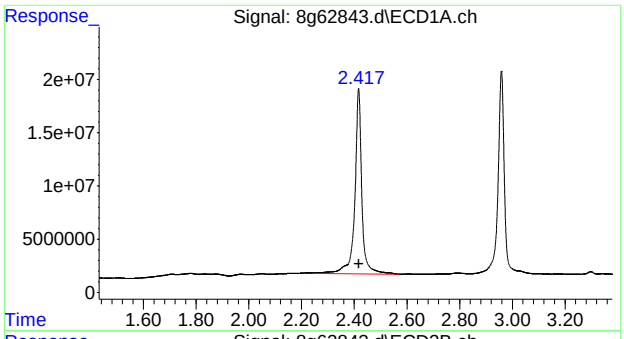
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.417 min
Delta R.T.: 0.000 min
Response: 328179586
Conc: 5.00 PPB m



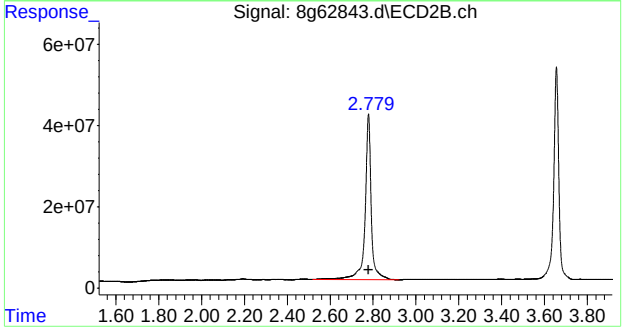
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.779 min
Delta R.T.: 0.000 min
Response: 817752308
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.417 min
Delta R.T.: 0.000 min
Response: 325392577
Conc: 5.00 PPB m



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.779 min
Delta R.T.: 0.000 min
Response: 817752308
Conc: 5.00 PPB

Manual Integration Approval Summary

Sample Number: G8G2704-DDT
Lab FileID: 8G62843.D
Injection Time: 12/04/24 14:33
Method: SW846 8081B
Analyst approved: 12/05/24 01:09 Christopher Changho
Supervisor approved: 12/05/24 15:03 Gwendolyn Burns

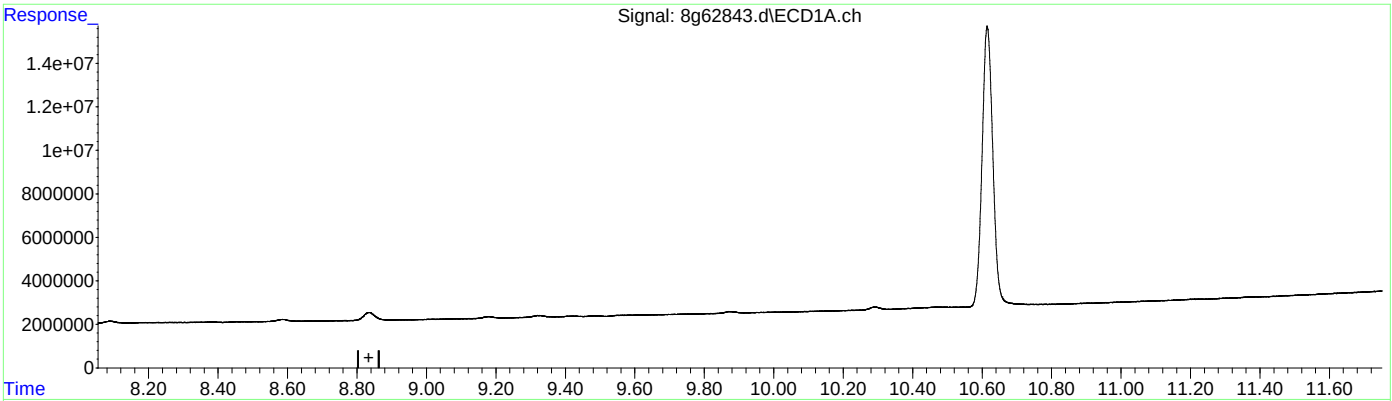
Parameter	CAS	Sig#	R.T. (min.)	Reason
1-Bromo-2-nitrobenzene	577-19-5	1	2.42	Poorly defined baseline
4,4'-DDE	72-55-9	1	5.89	Poorly defined baseline
Endrin	72-20-8	1	6.66	Poorly defined baseline
4,4'-DDD	72-54-8	1	6.77	Poorly defined baseline
Endrin aldehyde	7421-93-4	1	7.66	Poorly defined baseline
4,4'-DDE	72-55-9	2	7.73	Poorly defined baseline
Endrin	72-20-8	2	8.58	Poorly defined baseline
Endrin ketone	53494-70-5	1	8.83	Poorly defined baseline
Endrin aldehyde	7421-93-4	2	9.52	Poorly defined baseline
Decachlorobiphenyl	2051-24-3	1	10.61	Poorly defined baseline
Endrin ketone	53494-70-5	2	10.97	Poorly defined baseline
Decachlorobiphenyl	2051-24-3	2	13.00	Poorly defined baseline

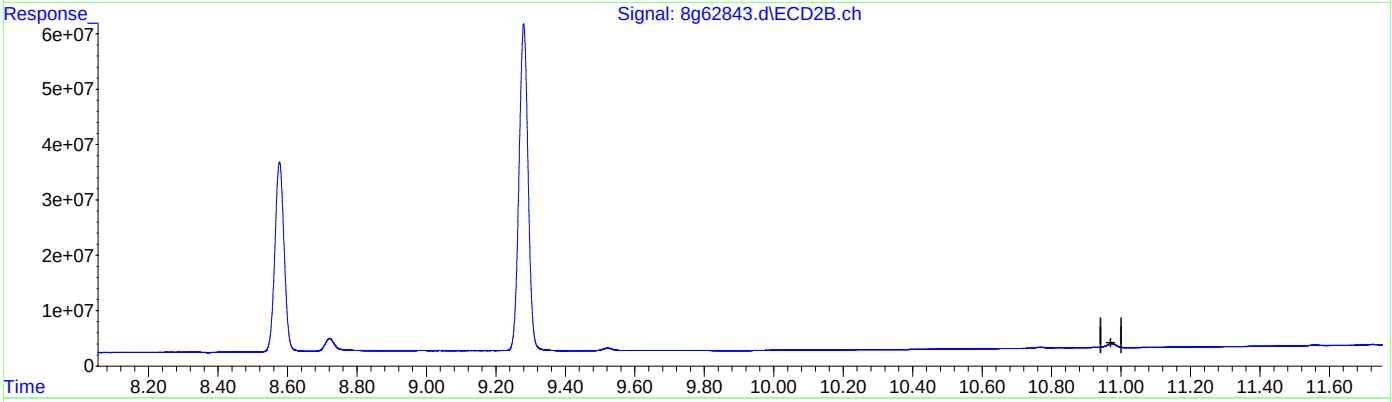
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62843.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 2:33 pm
Operator : kyrac
Sample : ddt
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:06 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(25) Endrin Ketone (B)

0.000min 0.000 PPB

response 0

(25) Endrin Ketone #2 (B)

0.000min 0.000 PPB

response 0

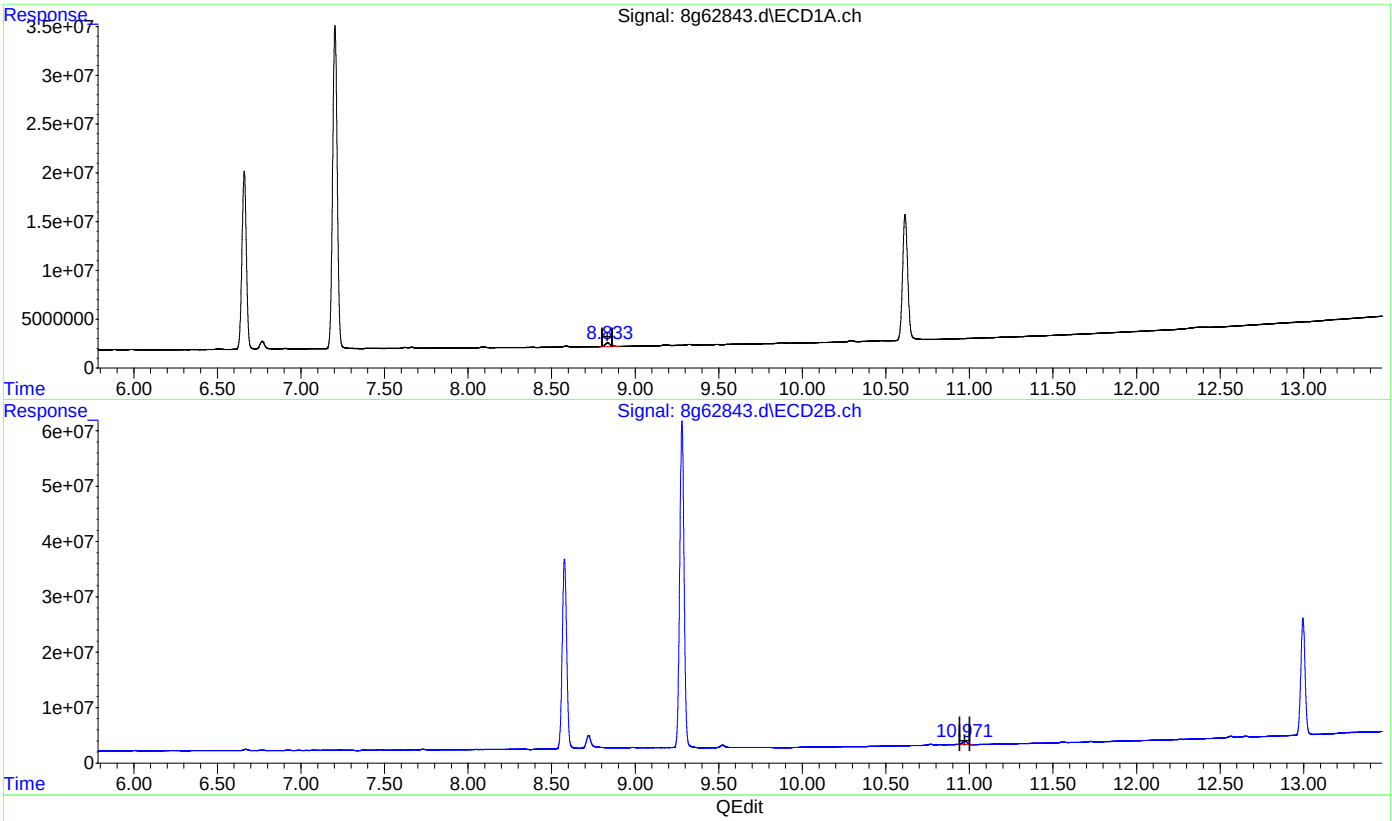
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62843.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 2:33 pm
Operator : kyrac
Sample : ddt
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:06 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(25) Endrin Ketone (B)

8.833min 0.099 PPB m

response 8562494

(25) Endrin Ketone #2 (B)

10.971min 0.073 PPB m

response 14565598

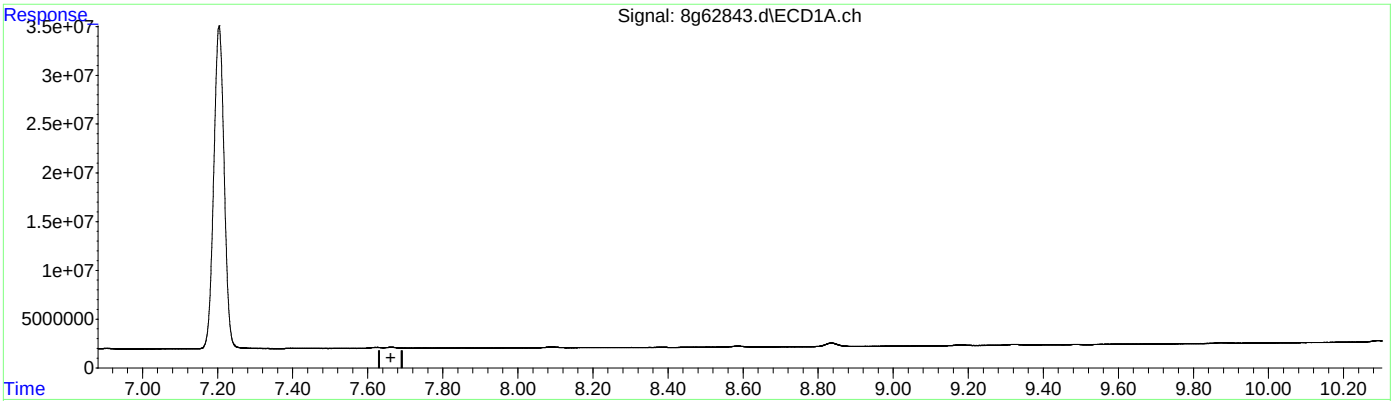
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:23:43 2024

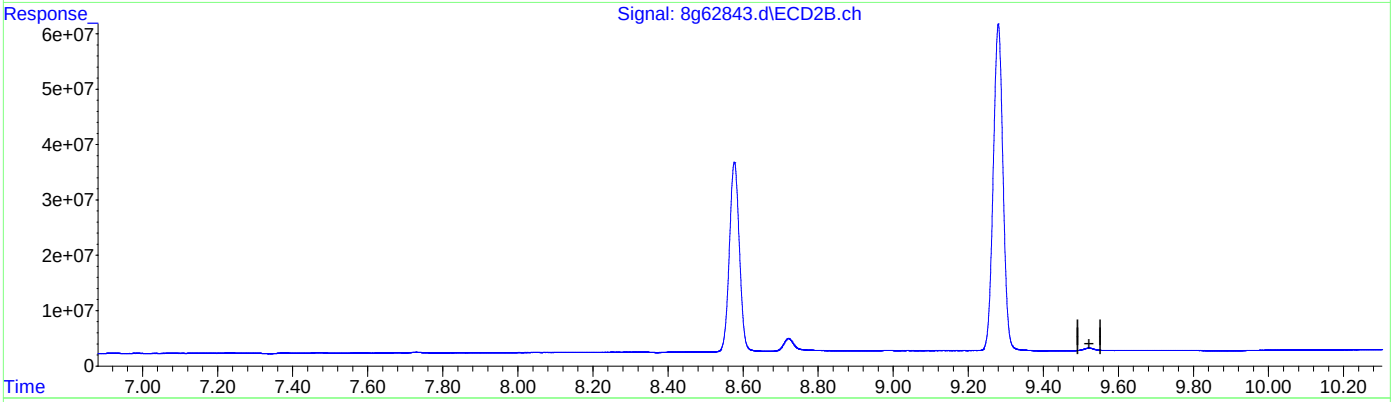
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62843.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 2:33 pm
Operator : kyrac
Sample : ddt
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:06 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(21) Endrin Aldehyde (B)

0.000min 0.000 PPB

response 0

(21) Endrin Aldehyde #2 (B)

0.000min 0.000 PPB

response 0

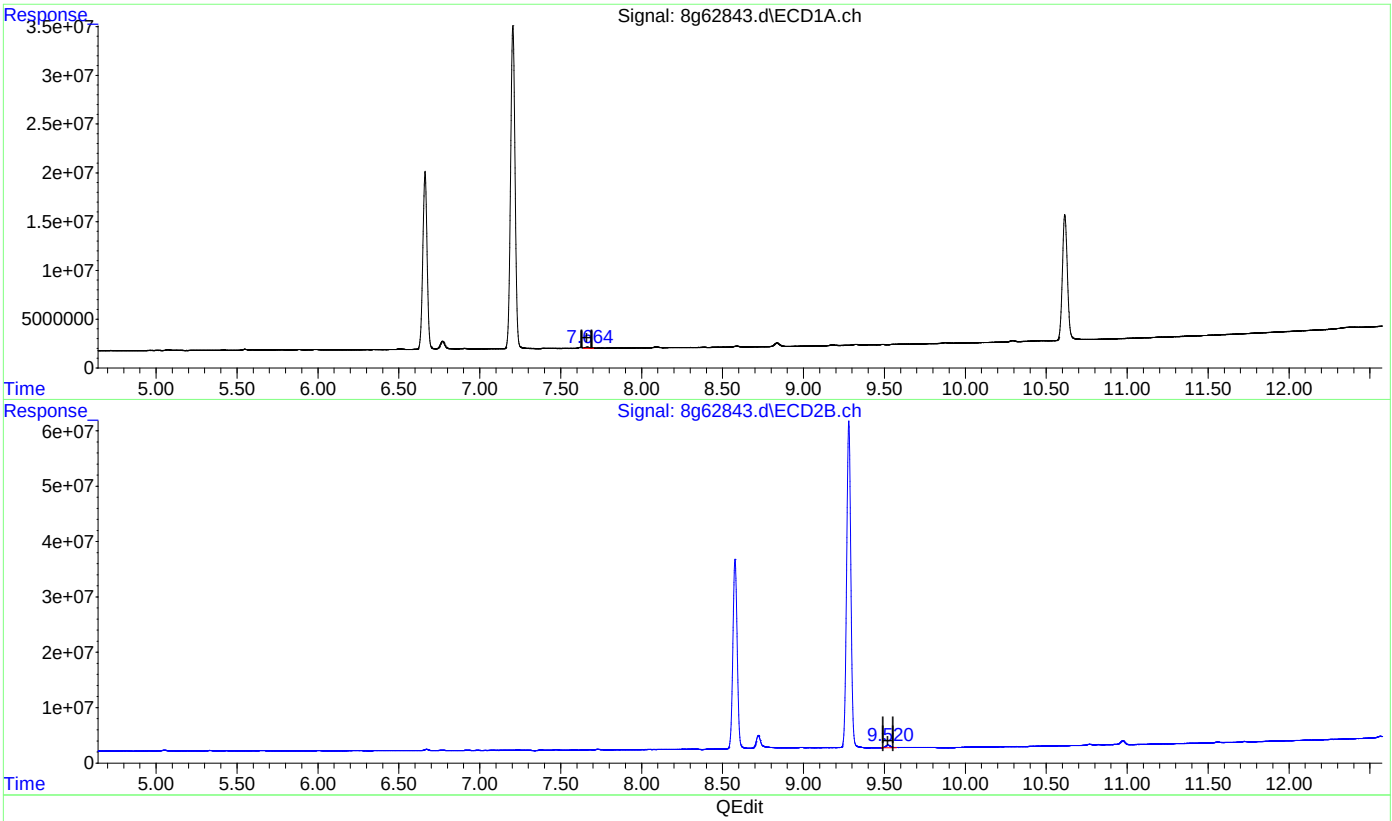
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:23:48 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62843.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 2:33 pm
Operator : kyrac
Sample : ddt
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:06 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(21) Endrin Aldehyde (B)

7.664min 0.038 PPB m

response 2313249

(21) Endrin Aldehyde #2 (B)

9.520min 0.075 PPB m

response 9504193

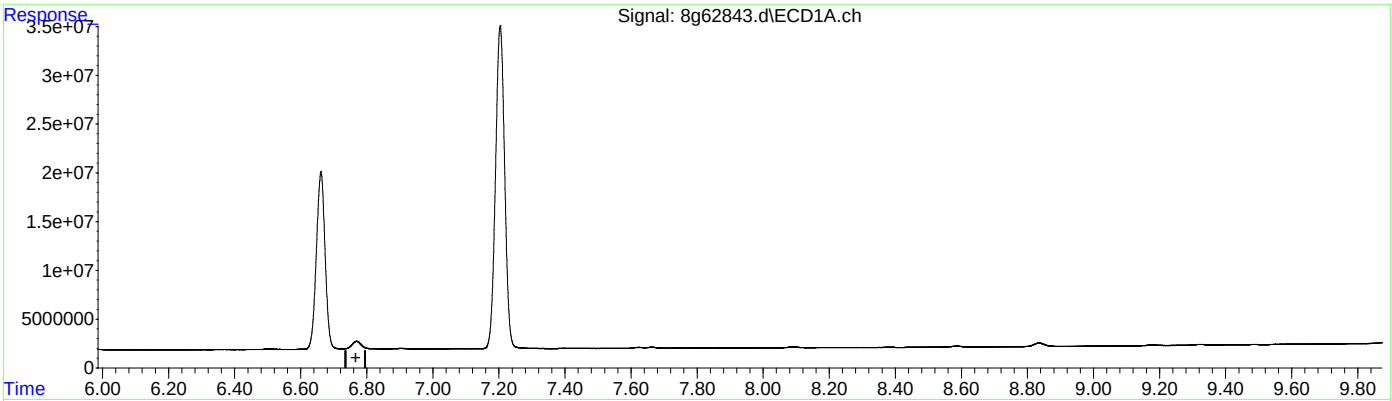
(+) = Expected Retention Time

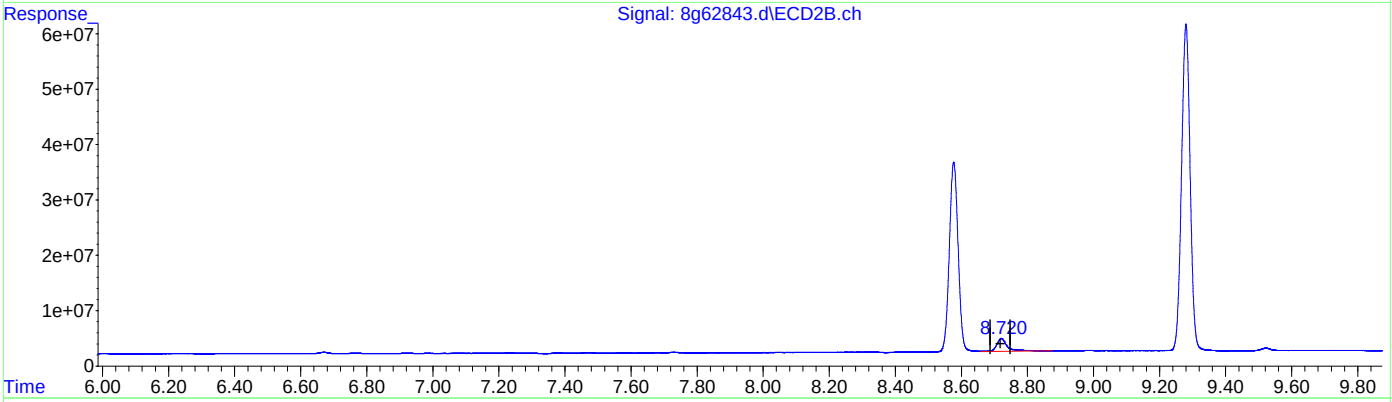
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62843.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 2:33 pm
Operator : kyrac
Sample : ddt
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:06 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(18) 4,4'-DDD (A)

0.000min 0.000 PPB

response 0

(18) 4,4'-DDD #2 (A)

8.721min 0.322 PPB

response 51338802

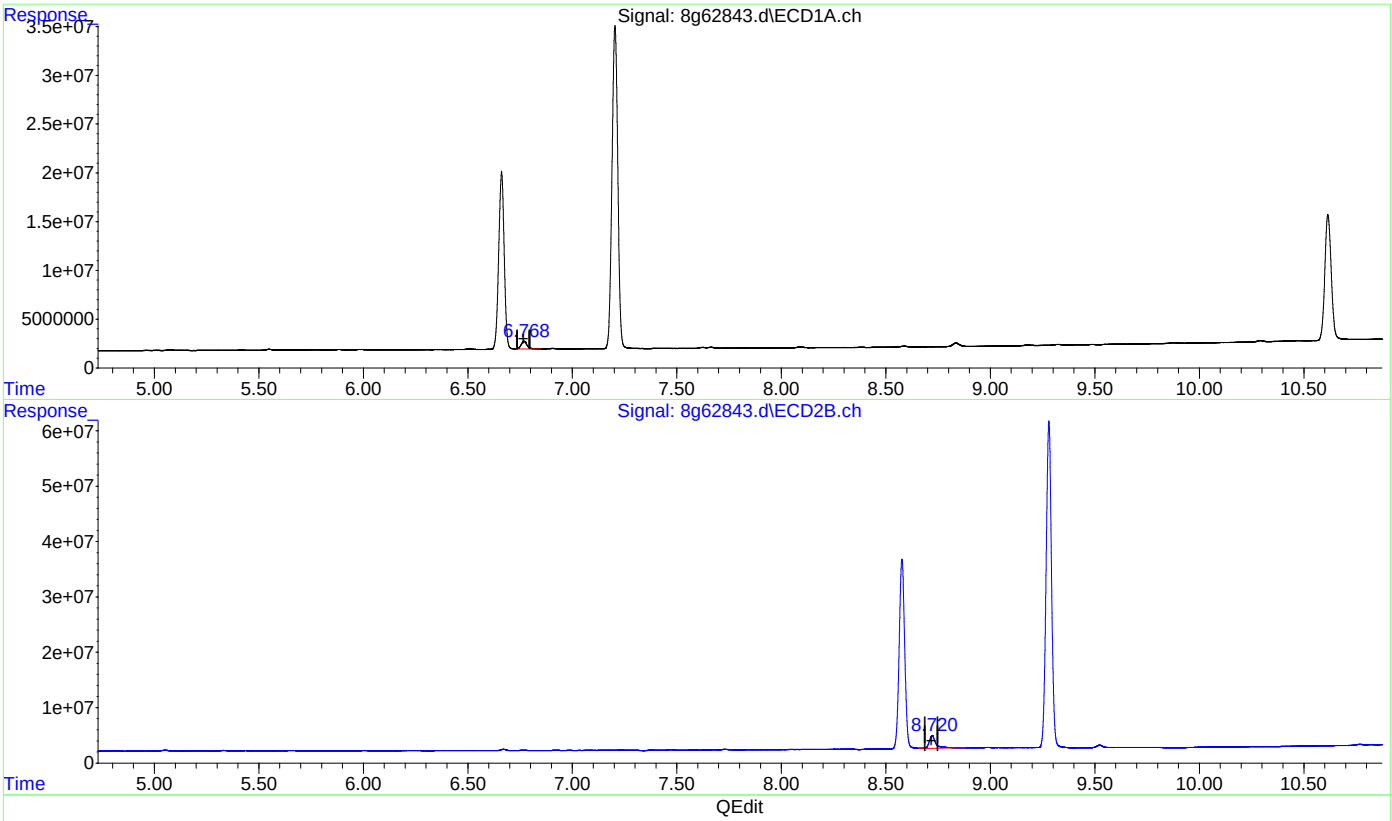
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62843.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 2:33 pm
Operator : kyrac
Sample : ddt
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:06 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(18) 4,4'-DDD (A)

6.768min 0.227 PPB m

response 15999296

(18) 4,4'-DDD #2 (A)

8.721min 0.322 PPB

response 51338802

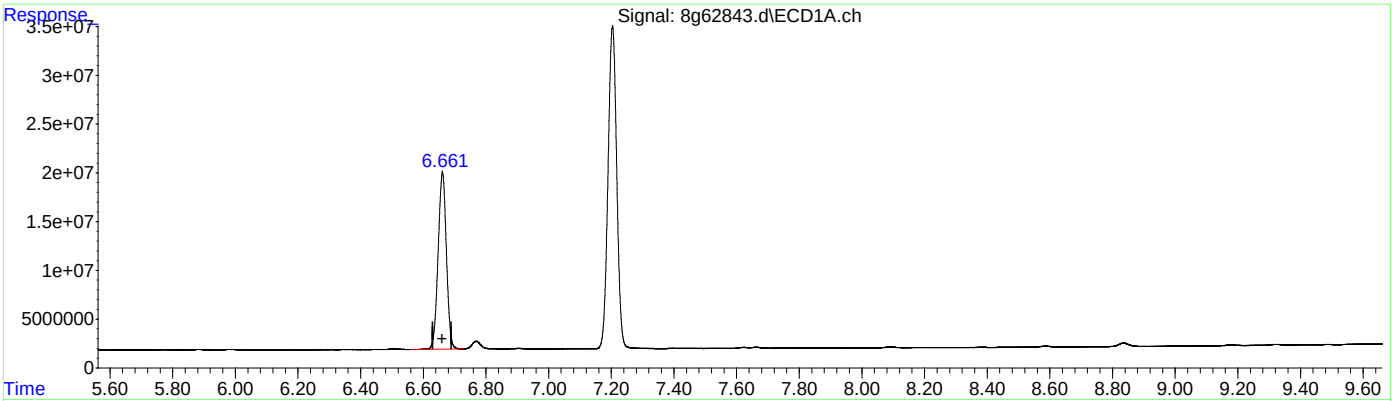
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62843.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 2:33 pm
Operator : kyrac
Sample : ddt
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:06 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(17) Endrin (MA)

6.661min 5.027 PPB

response 331501530

(17) Endrin #2 (MA)

8.577min 4.577 PPB

response 638364897

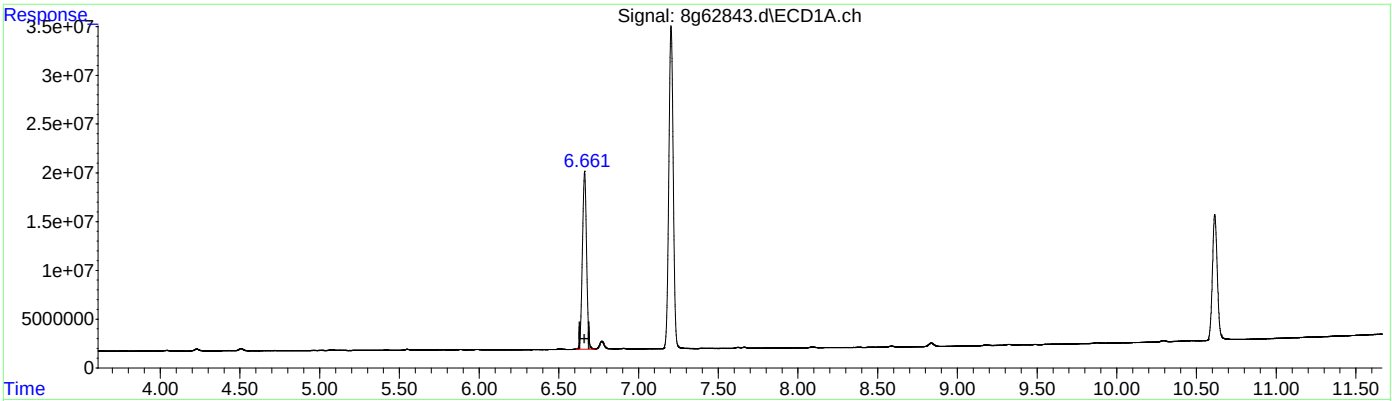
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62843.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 2:33 pm
Operator : kyrac
Sample : ddt
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:06 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(17) Endrin (MA)

6.661min 5.050 PPB m

response 333041143

(17) Endrin #2 (MA)

8.576min 4.529 PPB m

response 631701162

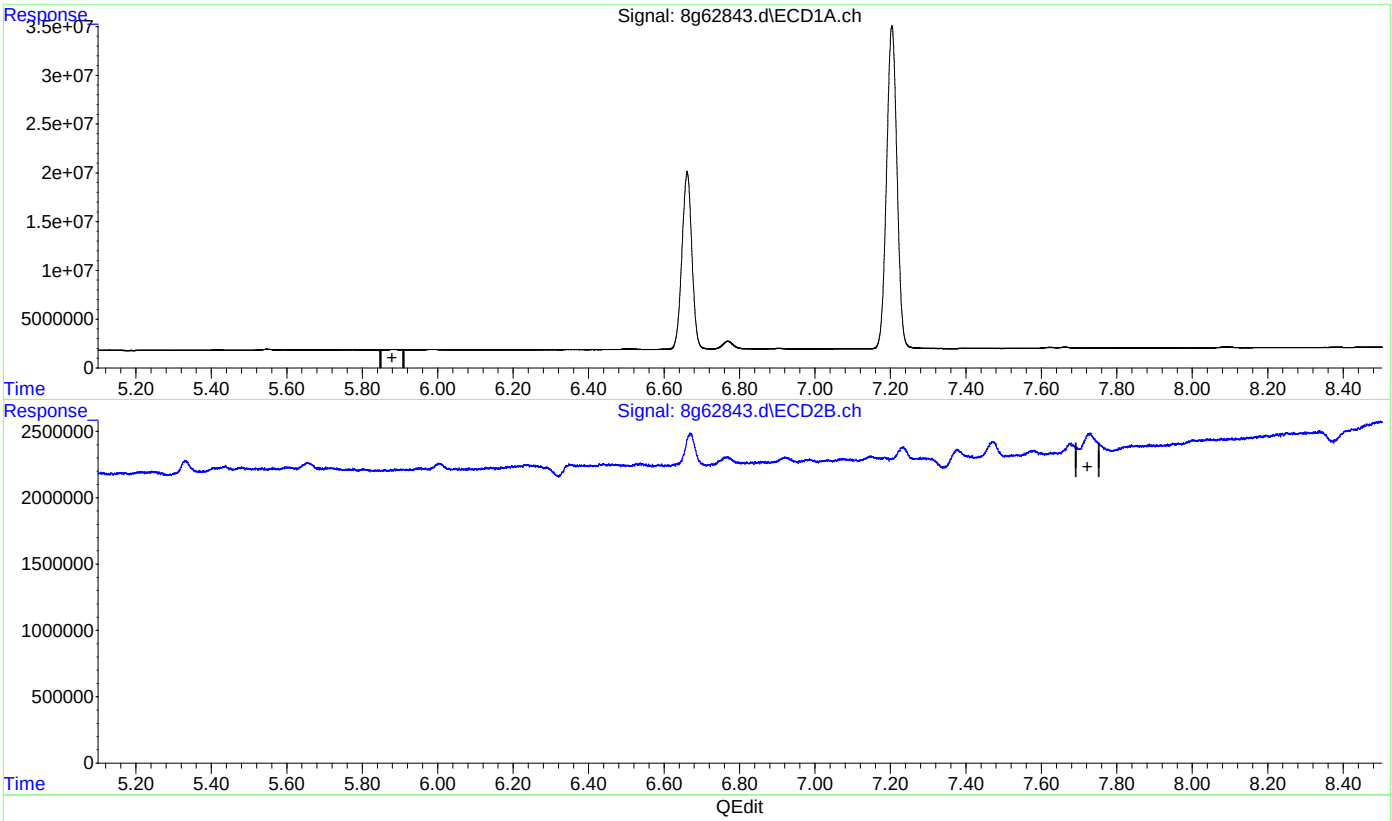
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62843.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 2:33 pm
Operator : kyrac
Sample : ddt
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:06 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(15) 4,4'-DDE (B)

0.000min 0.000 PPB

response 0

(15) 4,4'-DDE #2 (B)

0.000min 0.000 PPB

response 0

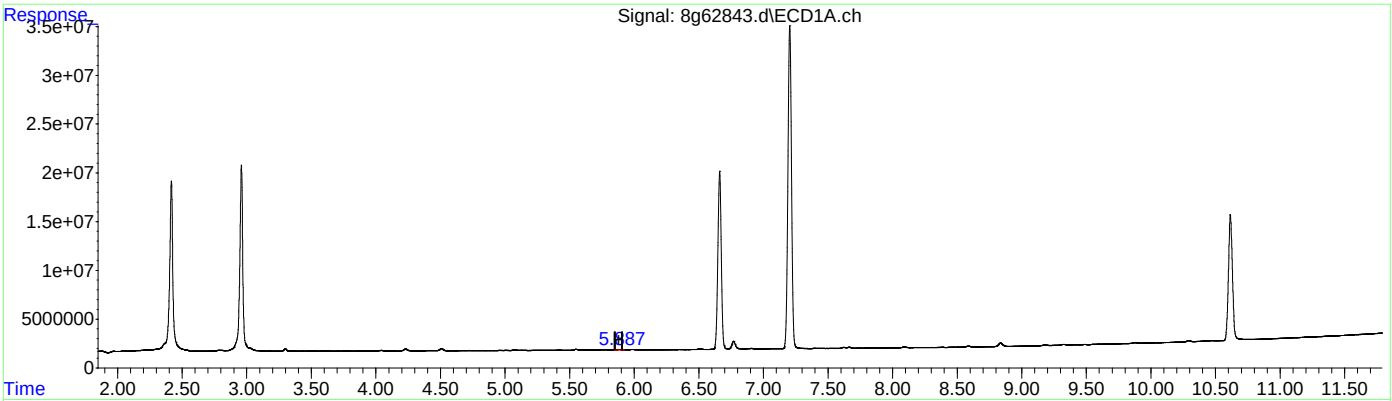
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:24:27 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62843.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 2:33 pm
Operator : kyrac
Sample : ddt
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:06 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(15) 4,4'-DDE (B)

5.887min 0.013 PPB m

response 1065425

(15) 4,4'-DDE #2 (B)

7.729min 0.020 PPB m

response 3557918

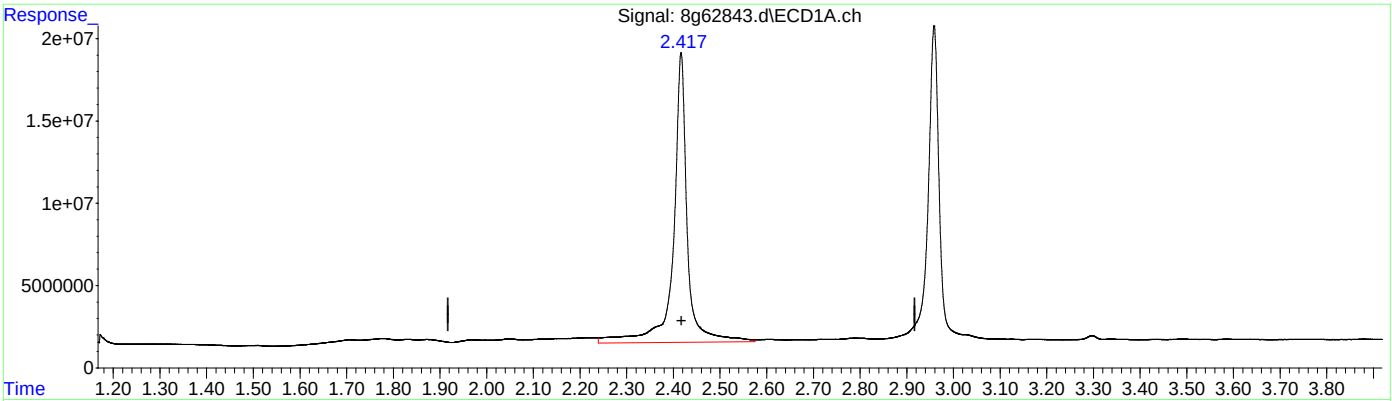
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:24:42 2024

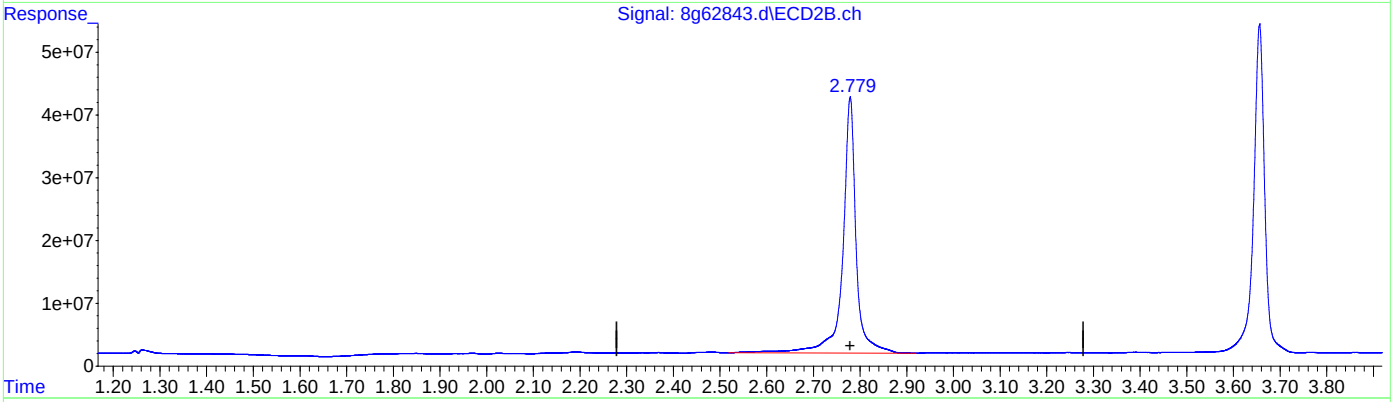
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62843.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 2:33 pm
Operator : kyrac
Sample : ddt
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:06 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(1) 1-bromo-2-nitrobenzene (I)

2.417min 5.000 PPB

response 365085211

(1) 1-bromo-2-nitrobenzene #2 (I)

2.779min 5.000 PPB

response 817752308

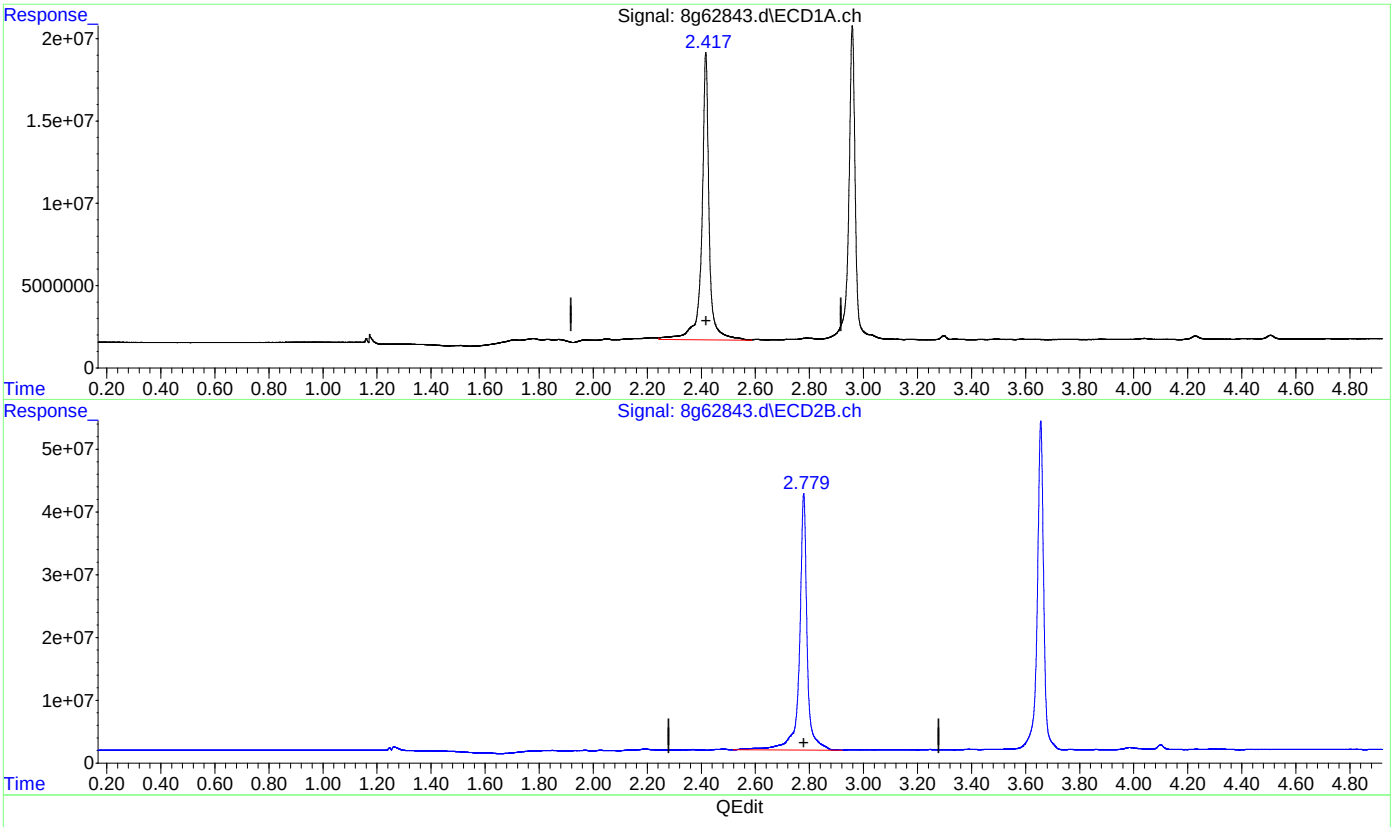
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:24:48 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62843.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 2:33 pm
Operator : kyrac
Sample : ddt
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:06 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(1) 1-bromo-2-nitrobenzene (I)

2.417min 5.000 PPB m

response 335145953

(1) 1-bromo-2-nitrobenzene #2 (I)

2.779min 5.000 PPB

response 817752308

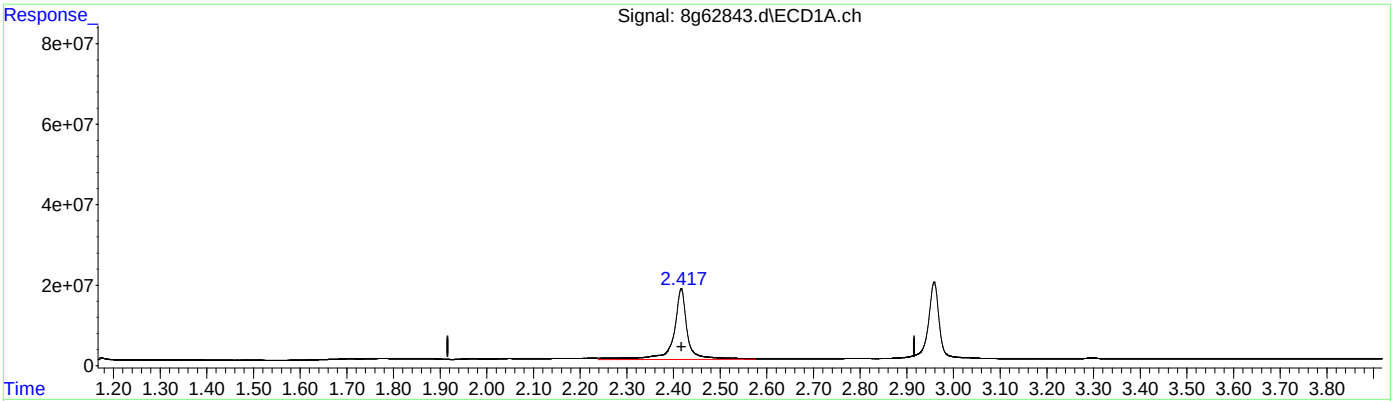
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:24:56 2024

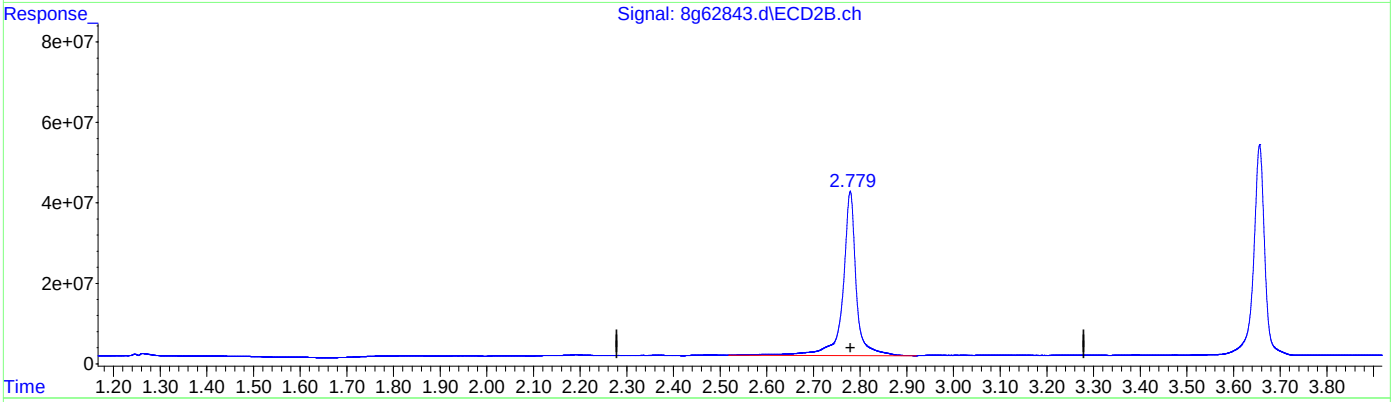
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62843.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 2:33 pm
Operator : kyrac
Sample : ddt
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:06 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(27) 1-bromo-2-nitrobenzeneA (I)

2.417min 5.000 PPB

response 365085211

(27) 1-bromo-2-nitrobenzeneA #2 (I)

2.779min 5.000 PPB

response 817752308

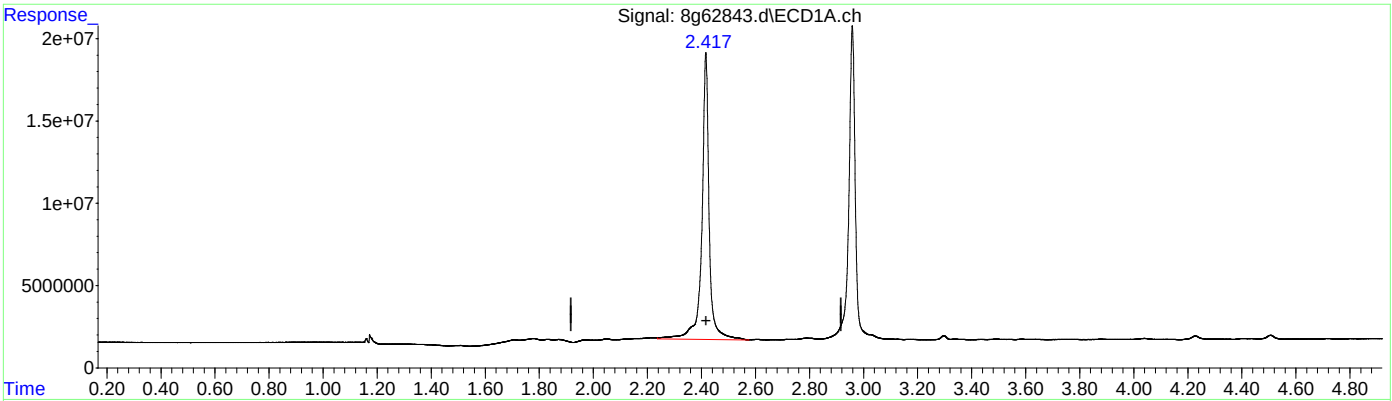
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:24:58 2024

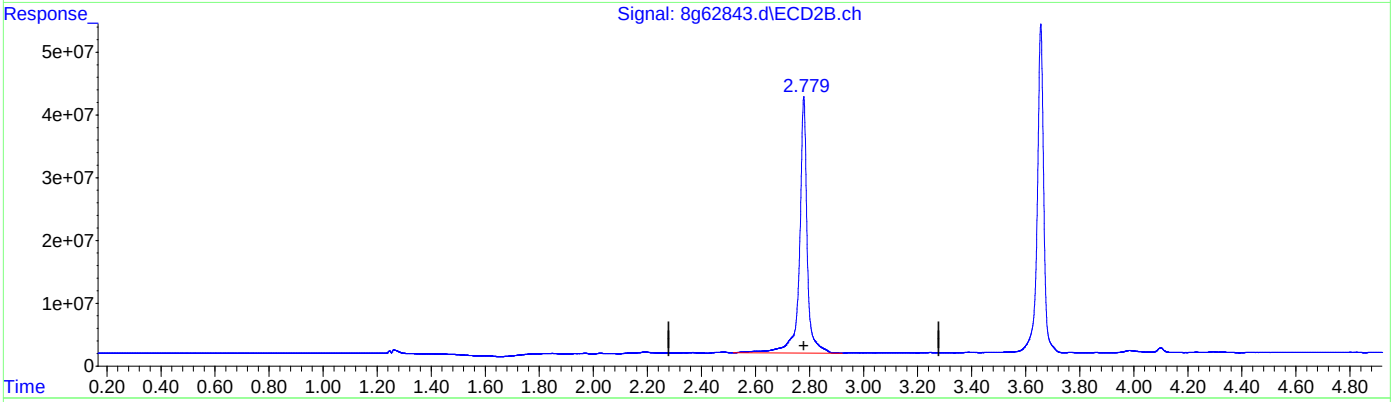
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62843.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 2:33 pm
Operator : kyrac
Sample : ddt
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:06 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(27) 1-bromo-2-nitrobenzeneA (I)

2.417min 5.000 PPB m

response 328179586

(27) 1-bromo-2-nitrobenzeneA #2 (I)

2.779min 5.000 PPB

response 817752308

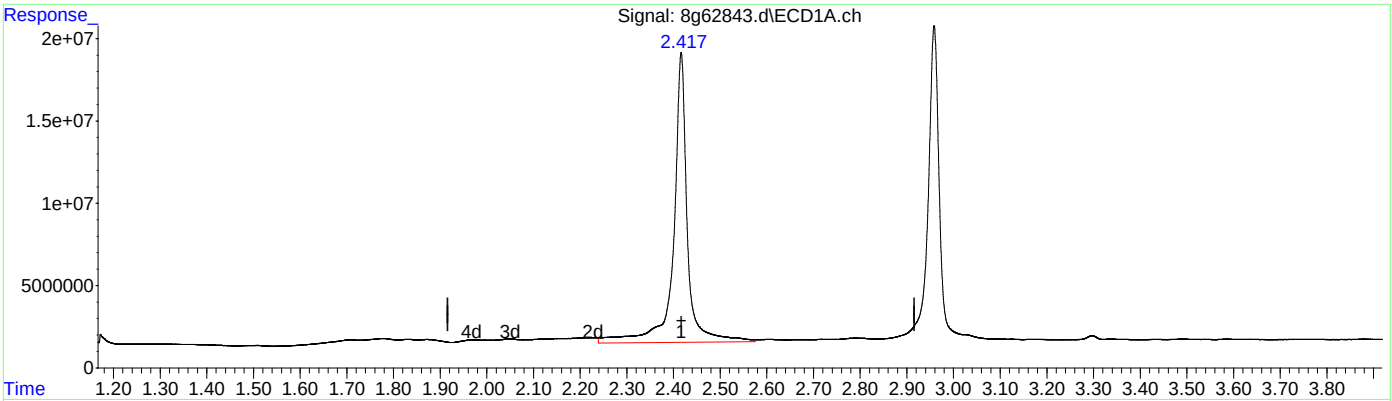
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:25:06 2024

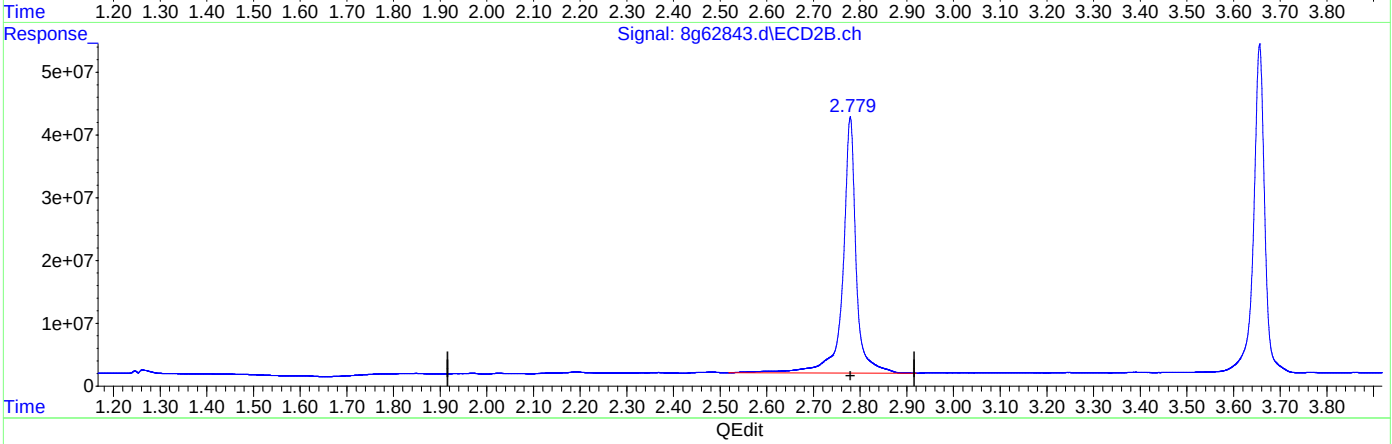
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62843.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 2:33 pm
Operator : kyrac
Sample : ddt
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:06 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(33) 1-bromo-2-nitrobenzeneB (I)

2.417min 5.000 PPB

response 365085211

(33) 1-bromo-2-nitrobenzeneB #2 (I)

2.779min 5.000 PPB

response 817752308

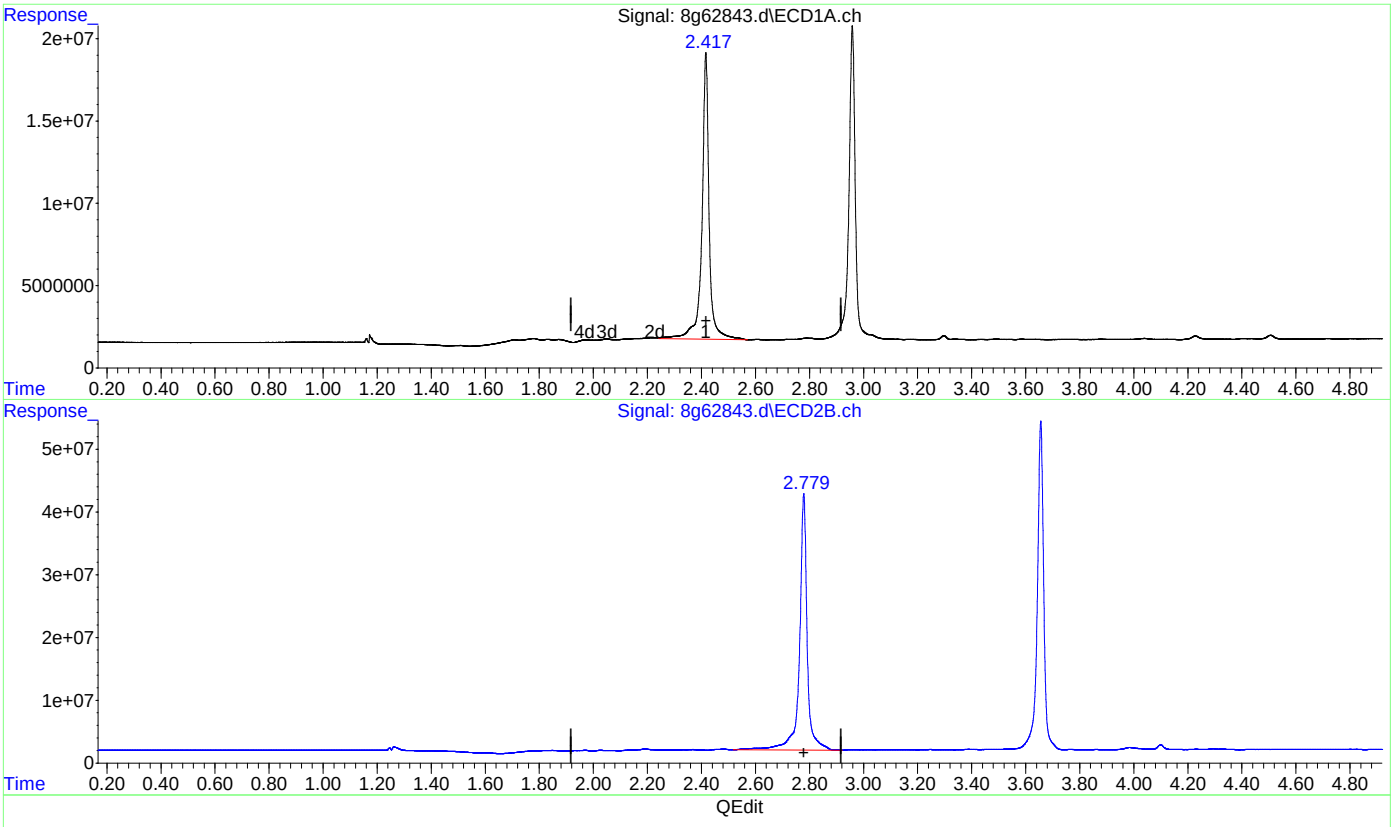
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:25:09 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62843.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 2:33 pm
Operator : kyrac
Sample : ddt
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:06 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(33) 1-bromo-2-nitrobenzeneB (I)

2.417min 5.000 PPB m

response 325392577

(33) 1-bromo-2-nitrobenzeneB #2 (I)

2.779min 5.000 PPB

response 817752308

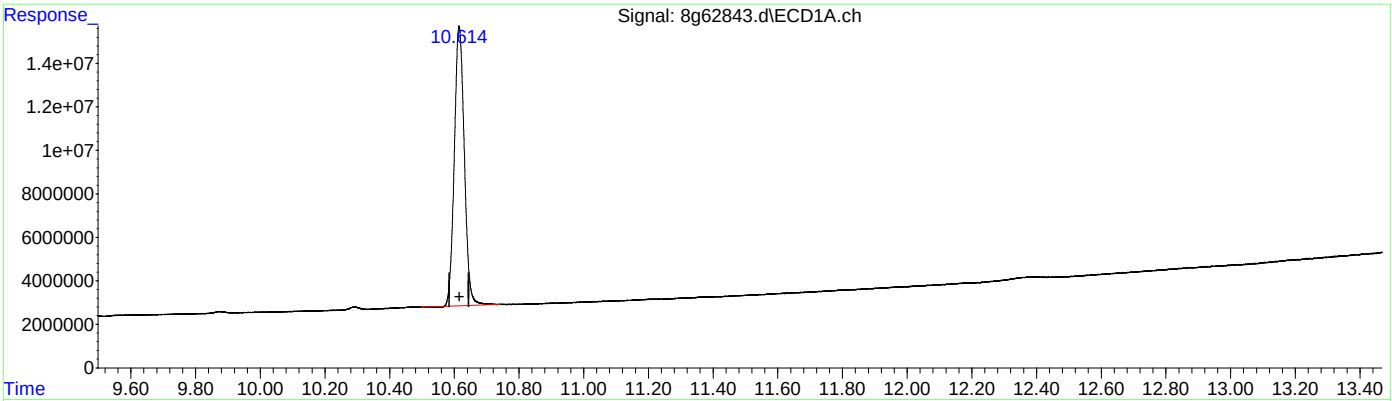
(+) = Expected Retention Time

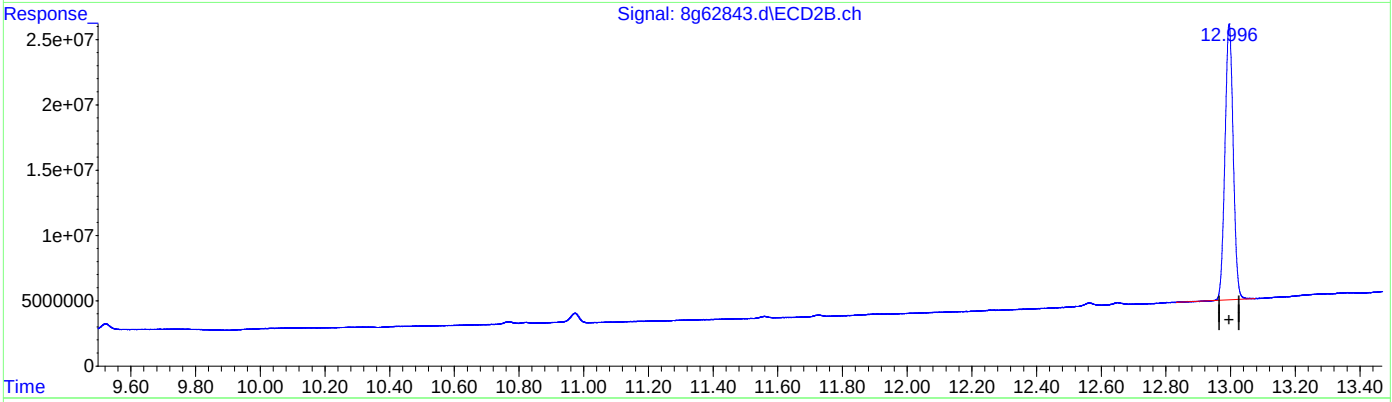
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62843.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 2:33 pm
Operator : kyrac
Sample : ddt
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:06 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(26) Decachlorobiphenyl (SA)

10.615min 4.424 PPB

response 275192227

(26) Decachlorobiphenyl #2 (SA)

12.996min 3.288 PPB

response 372632970

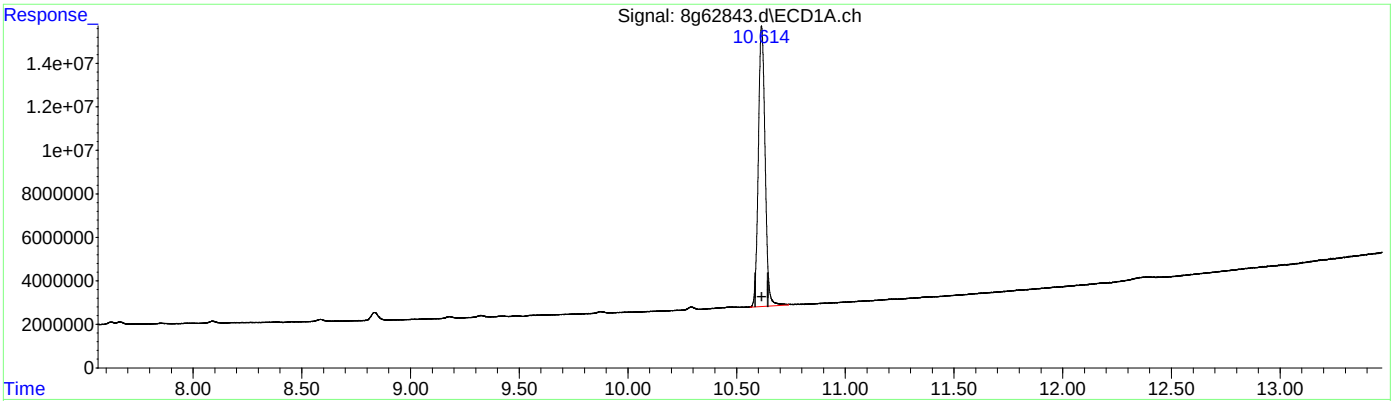
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:25:22 2024

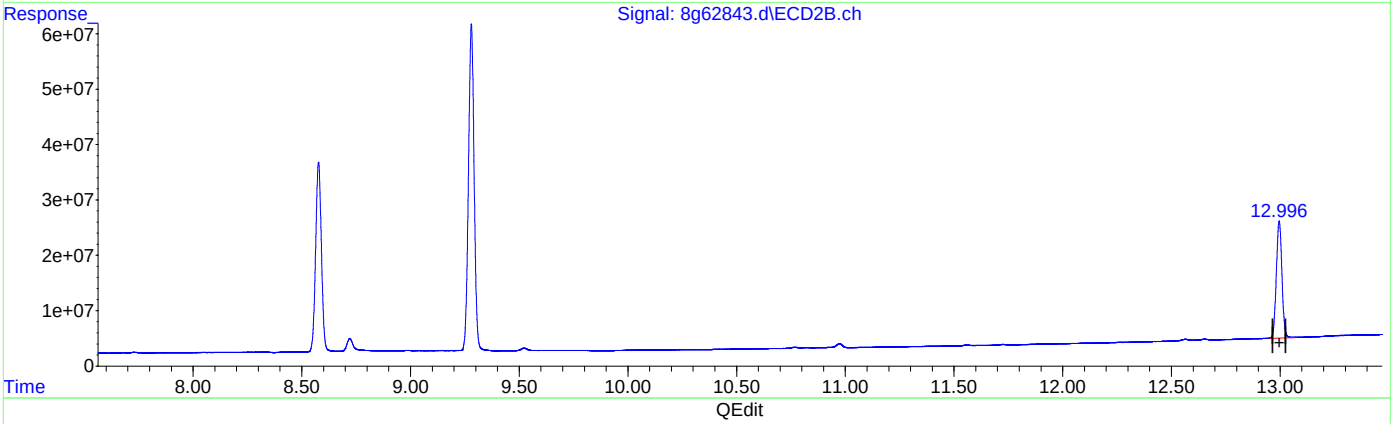
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62843.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 2:33 pm
Operator : kyrac
Sample : ddt
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:06 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(26) Decachlorobiphenyl (SA)

10.614min 4.486 PPB m

response 279057164

(26) Decachlorobiphenyl #2 (SA)

12.996min 3.316 PPB m

response 375811623

(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:25:32 2024

Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug 12/09/24 11:00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103142.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:15 pm
Operator : rebeccak
Sample : ic3879-0.1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 6 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 08 21:19:03 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
		Internal Standards						
1)	I	1-bromo-2...	4.847	5.244	2704.8E6	5052.6E6	5.000	5.000
27)	I	1-bromo-2...	4.847	5.244	2704.8E6	5052.6E6	5.000	5.000
33)	I	1-bromo-2...	4.847	5.244	2704.8E6	5052.6E6	5.000	5.000
		System Monitoring Compounds						
2)	SAB	Tetrachlo...	5.519	6.181	61494235	73806266	0.102m	0.069m#
		Spiked Amount 40.000	Range 30 - 150		Recovery =		0.25%#	0.17%#
26)	SA	Decachlor...	12.974	14.865	45979474	96735314	0.063m	0.119m#
		Spiked Amount 40.000			Recovery =		0.16%	0.30%
		Target Compounds						
3)		Hexachlor...	5.875	6.757	106.1E6	210.2E6	0.109	0.118
4)	A	alpha-BHC	6.031	6.929	94743154	261.6E6	0.093	0.124m#
5)	MA	gamma-BHC	6.341	7.403	90922926	184.7E6	0.102m	0.103
6)	MA	Heptachlor	6.855	8.035	89077750	210.8E6	0.105m	0.125m
7)	B	beta-BHC	6.428	7.492	40122551	94327229	0.105m	0.118m
8)	B	delta-BHC	6.620	7.927	89710645	188.6E6	0.102m	0.103m
9)	MB	Aldrin	7.199	8.526	86344935	222.6E6	0.104	0.133 #
11)	B	Heptachlo...	7.937	9.403	39322604	155.5E6	0.053m	0.105 #
12)	B	gamma-Chl...	8.103	9.704	83592300	143.4E6	0.096	0.094m
13)	B	alpha-Chl...	8.275	9.940	78957977	148.5E6	0.100	0.098m
14)	A	Endosulfan I	8.459	10.047	77443053	163.3E6	0.104	0.117m
15)	B	4,4'-DDE	8.390	10.199	73348764	140.5E6	0.094	0.092
16)	MA	Dieldrin	8.784	10.503	83668047	160.1E6	0.101m	0.107
17)	MA	Endrin	9.115	11.029	73684394	140.6E6	0.104	0.119m
18)	A	4,4'-DDD	9.239	11.185	61136021	108.3E6	0.093	0.089
19)	B	Endosulfa...	9.442	11.390	69321718	129.9E6	0.096	0.097
20)	MA	4,4'-DDT	9.656	11.738	61758438	110.7E6	0.093	0.085
21)	B	Endrin Al...	10.076	11.979	63244202	126.1E6	0.110m	0.114m
22)	B	Endosulfa...	10.766	12.461	55571837	133.6E6	0.082	0.114 #
23)	A	Methoxychlor	10.437	12.971	34916836	69952930	0.105m	0.112m
24)		Mirex	10.596	13.318	49272424	97625127	0.085	0.117 #
25)	B	Endrin Ke...	11.201	13.366	66485032	134.9E6	0.085	0.111 #
		Sum Toxaphene			0	0	N.D.	N.D.
		Average Toxaphene					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

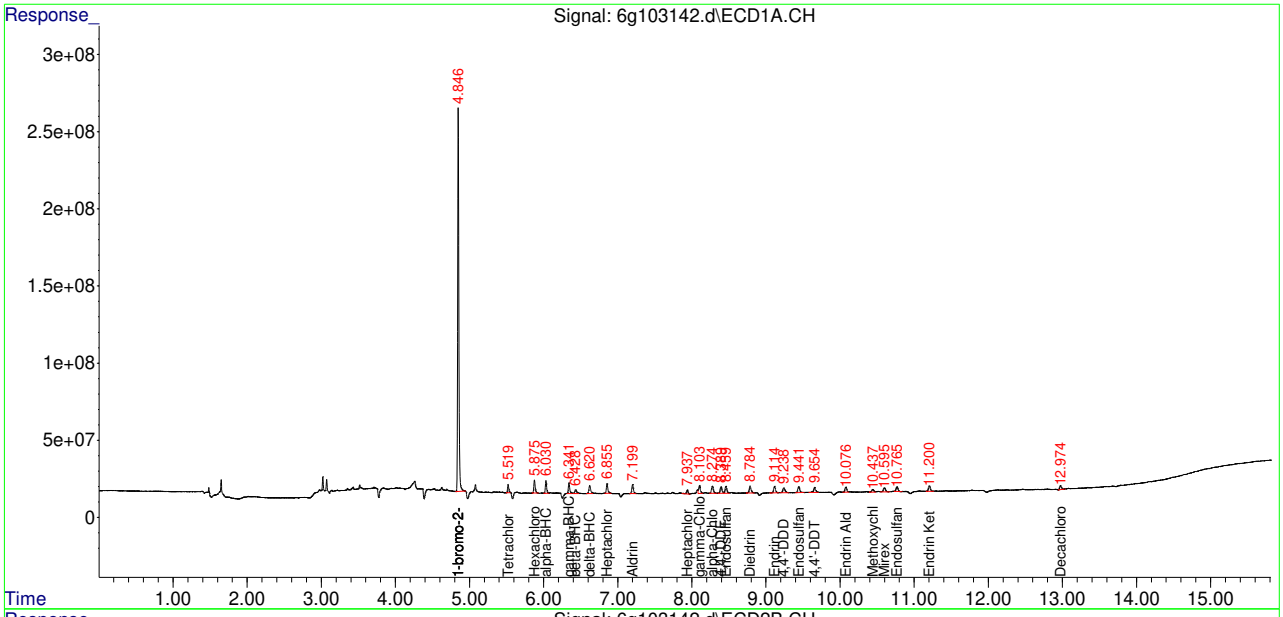
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

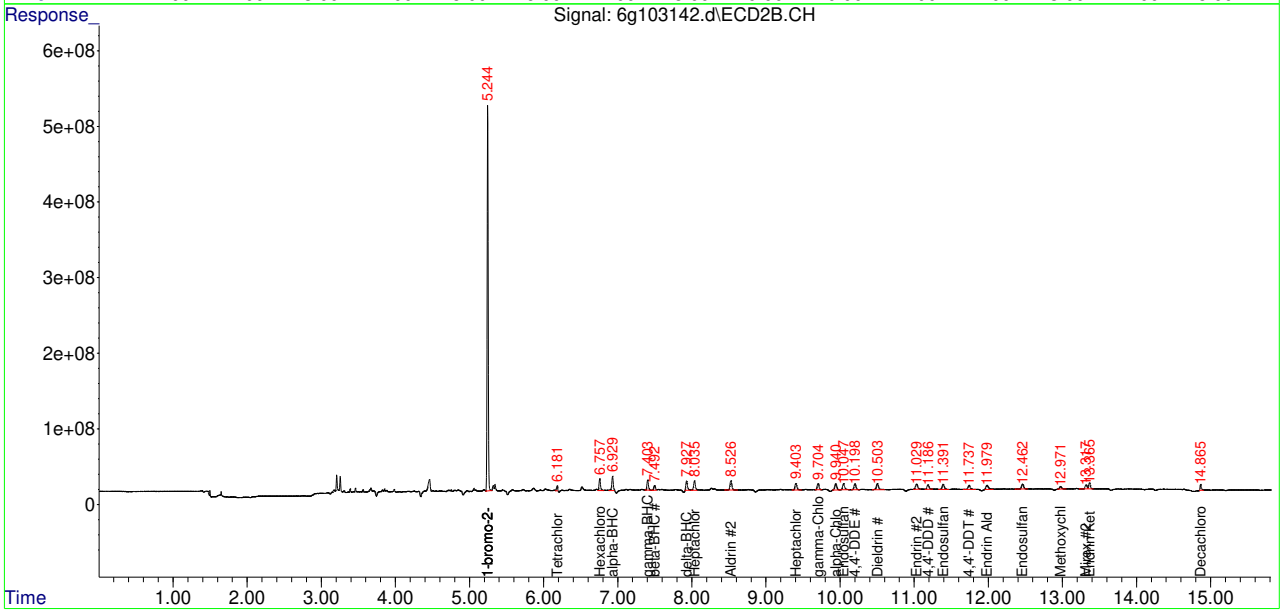
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103142.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:15 pm
Operator : rebeccak
Sample : ic3879-0.1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 6 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 08 21:19:03 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





Manual Integration Approval Summary

Sample Number: G6G3879-IC3879
Lab FileID: 6G103142.D
Injection Time: 12/06/24 12:15
Method: SW846 8081B
Analyst approved: 12/08/24 21:53 Rebecca Krug
Supervisor approved: 12/09/24 11:00 Rebecca Krug

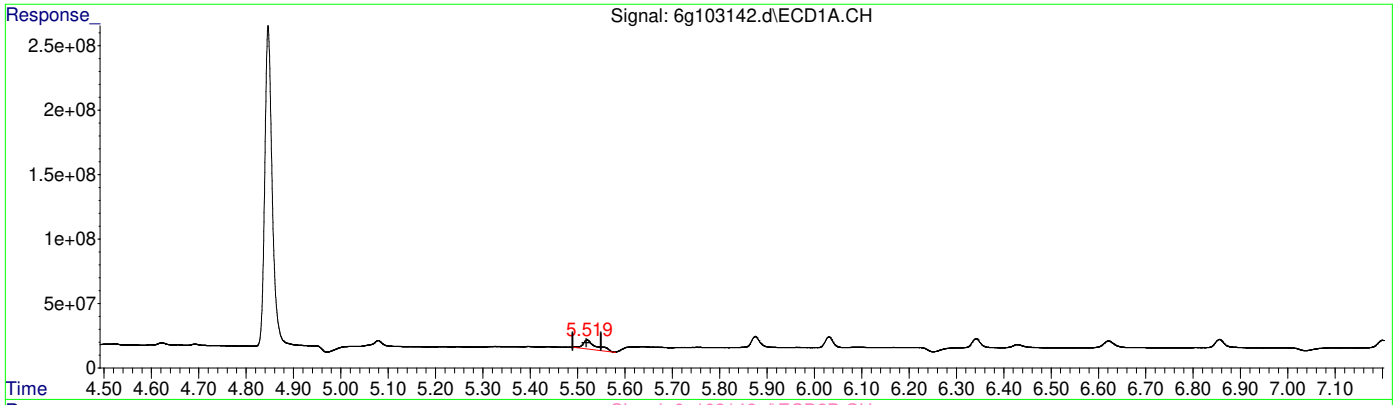
Parameter	CAS	Sig#	R.T. (min.)	Reason
Tetrachloro-m-xylene	877-09-8	1	5.52	Poorly defined baseline
Tetrachloro-m-xylene	877-09-8	2	6.18	Poorly defined baseline
gamma-BHC (Lindane)	58-89-9	1	6.34	Poorly defined baseline
beta-BHC	319-85-7	1	6.43	Poorly defined baseline
delta-BHC	319-86-8	1	6.62	Poorly defined baseline
Heptachlor	76-44-8	1	6.86	Poorly defined baseline
alpha-BHC	319-84-6	2	6.93	Poorly defined baseline
beta-BHC	319-85-7	2	7.49	Poorly defined baseline
delta-BHC	319-86-8	2	7.93	Poorly defined baseline
Heptachlor epoxide	1024-57-3	1	7.94	Poorly defined baseline
Heptachlor	76-44-8	2	8.03	Poorly defined baseline
Dieldrin	60-57-1	1	8.78	Poorly defined baseline
gamma-Chlordane	5103-74-2	2	9.70	Poorly defined baseline
alpha-Chlordane	5103-71-9	2	9.94	Poorly defined baseline
Endosulfan-I	959-98-8	2	10.05	Poorly defined baseline
Endrin aldehyde	7421-93-4	1	10.08	Poorly defined baseline
Methoxychlor	72-43-5	1	10.44	Poorly defined baseline
Endrin	72-20-8	2	11.03	Poorly defined baseline
Endrin aldehyde	7421-93-4	2	11.98	Poorly defined baseline
Decachlorobiphenyl	2051-24-3	1	12.97	Poorly defined baseline
Methoxychlor	72-43-5	2	12.97	Poorly defined baseline
Decachlorobiphenyl	2051-24-3	2	14.86	Poorly defined baseline

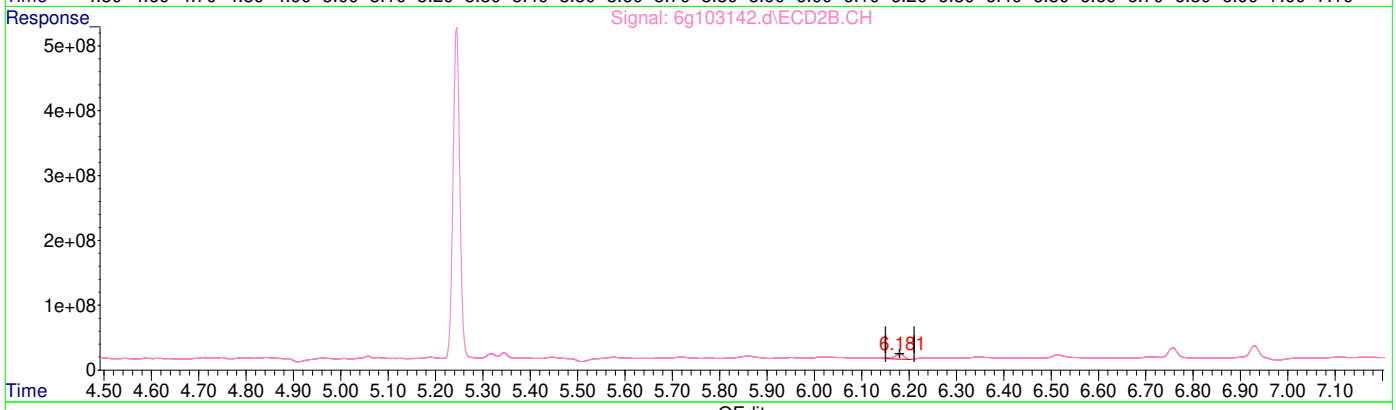
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103142.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:15 pm
Operator : rebeccak
Sample : ic3879-0.1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 6 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:00:55 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(2) Tetrachloro-m-xylene (SAB)

5.520min 0.224 PPB

response 134833146

(2) Tetrachloro-m-xylene #2 (SAB)

6.181min 0.101 PPB

response 108259583

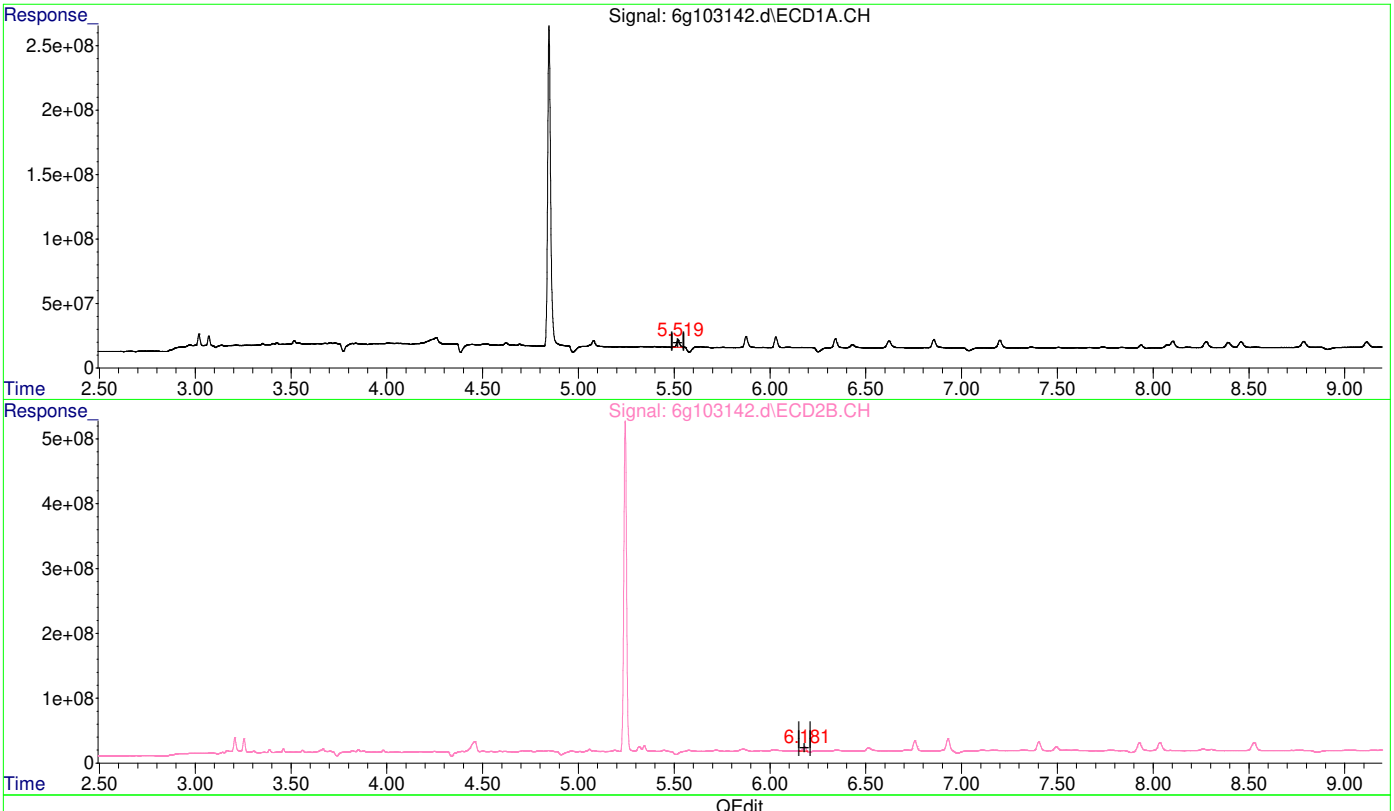
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:01:15 2024

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103142.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:15 pm
Operator : rebeccak
Sample : ic3879-0.1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 6 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:00:55 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



(2) Tetrachloro-m-xylene (SAB)

5.519min 0.102 PPB m

response 61494235

(2) Tetrachloro-m-xylene #2 (SAB)

6.181min 0.069 PPB m

response 73806266

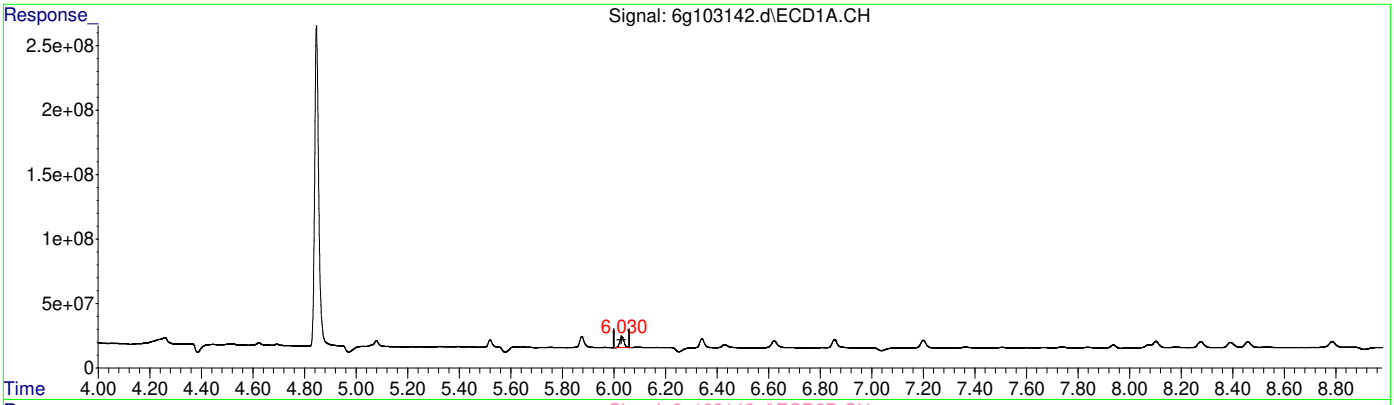
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:01:35 2024

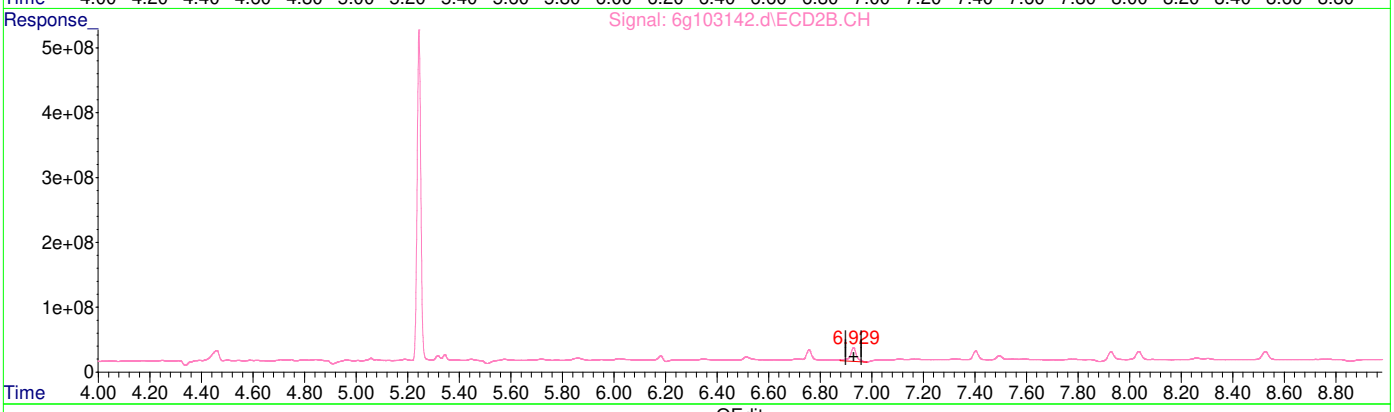
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103142.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:15 pm
Operator : rebeccak
Sample : ic3879-0.1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 6 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:00:55 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(4) alpha-BHC (A)

6.031min 0.093 PPB

response 94743154

(4) alpha-BHC #2 (A)

6.929min 0.174 PPB

response 367505643

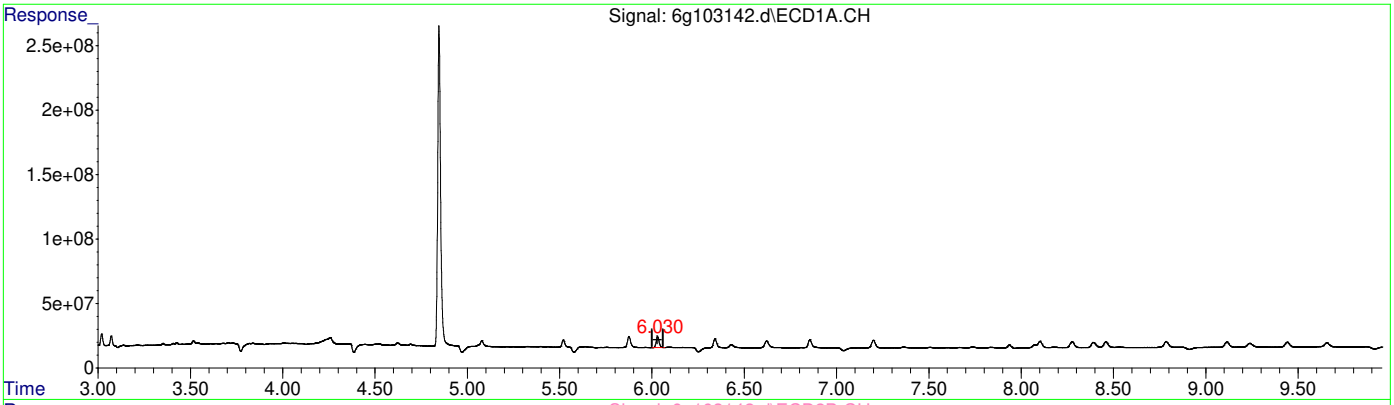
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:01:43 2024

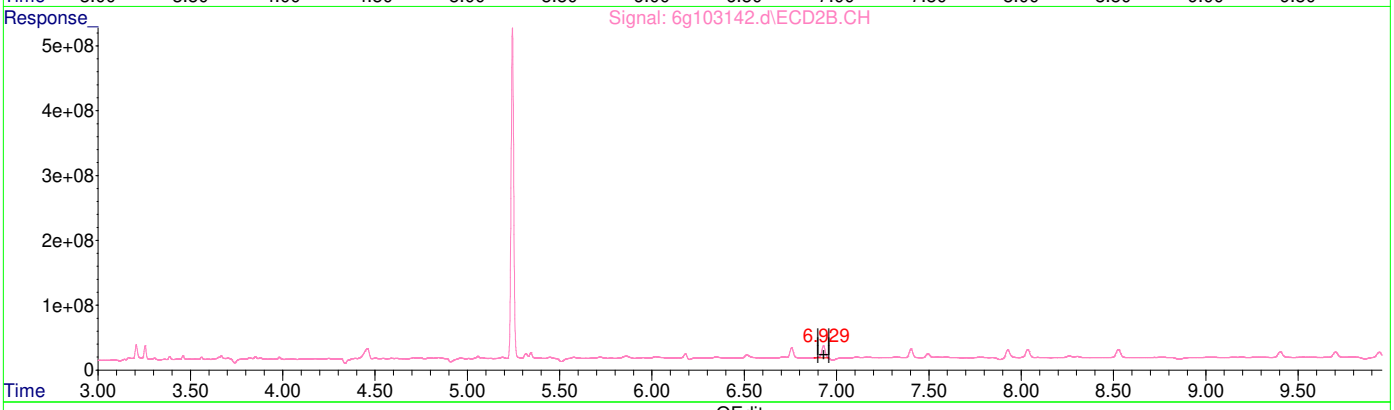
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103142.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:15 pm
Operator : rebeccak
Sample : ic3879-0.1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 6 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:00:55 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(4) alpha-BHC (A)

6.031min 0.093 PPB

response 94743154

(4) alpha-BHC #2 (A)

6.929min 0.124 PPB m

response 261642380

(+) = Expected Retention Time

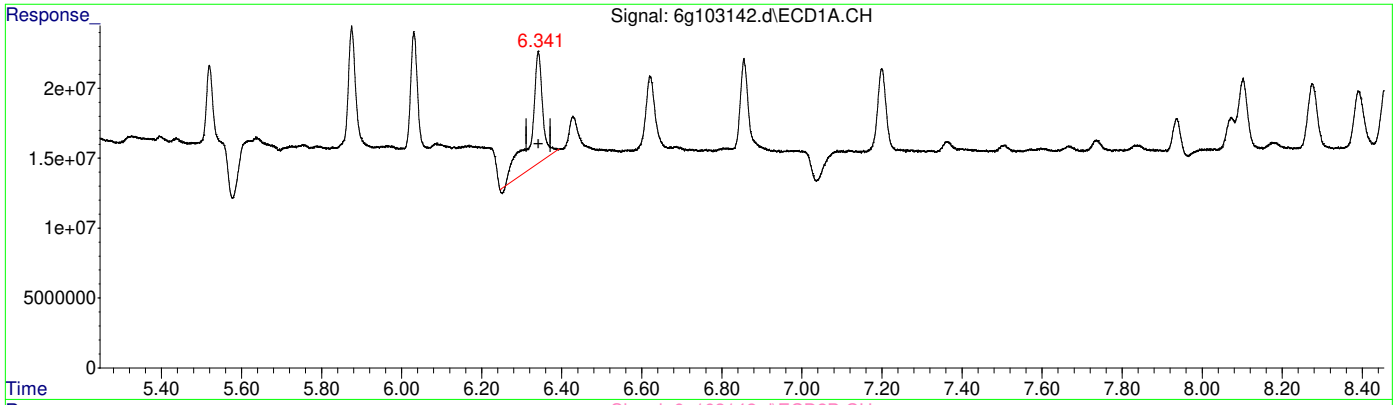
6PSTLVI3879a.M Fri Dec 06 18:01:53 2024

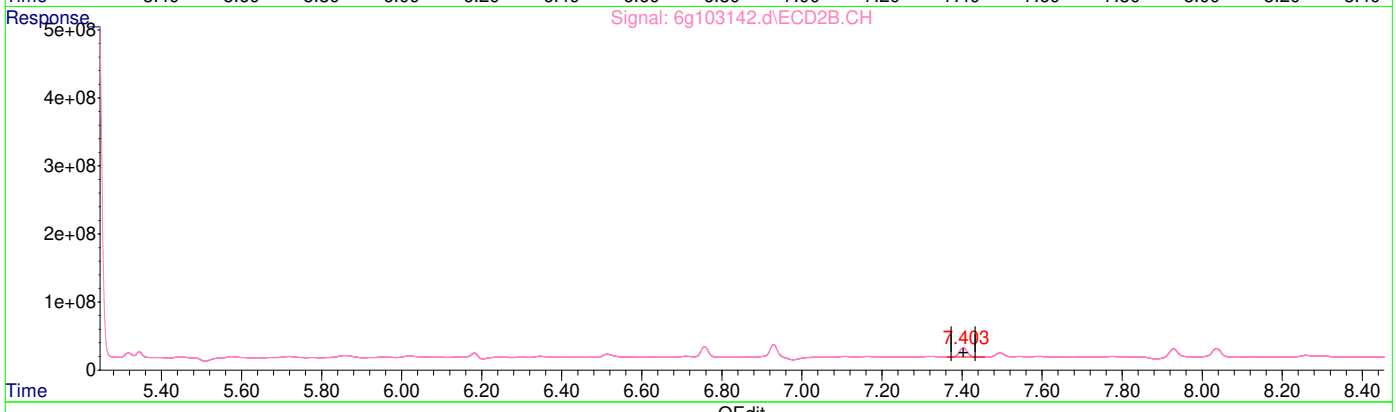
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103142.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:15 pm
Operator : rebeccak
Sample : ic3879-0.1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 6 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:00:55 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(5) gamma-BHC (MA)

6.342min 0.187 PPB

response 167235807

(5) gamma-BHC #2 (MA)

7.403min 0.103 PPB

response 184748713

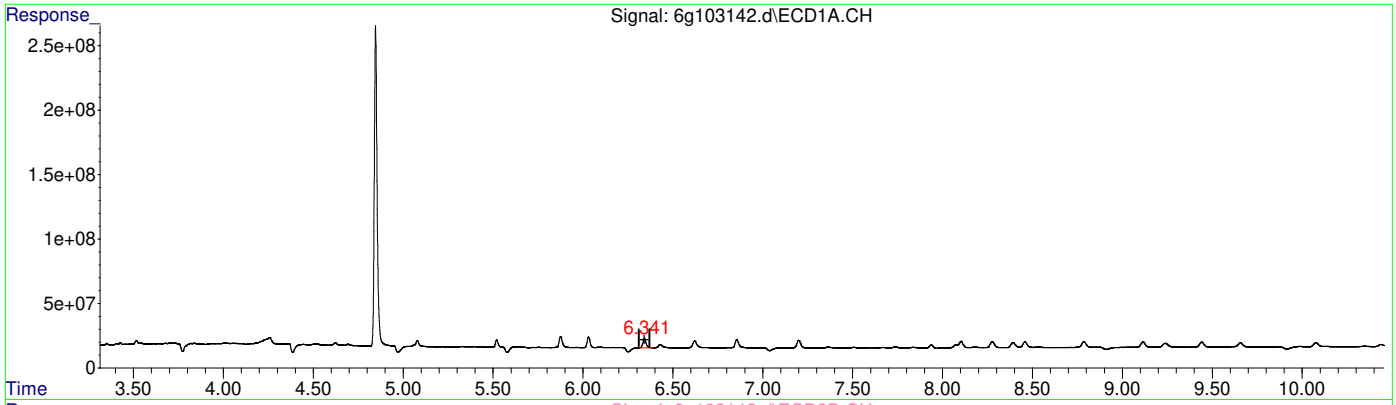
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:01:58 2024

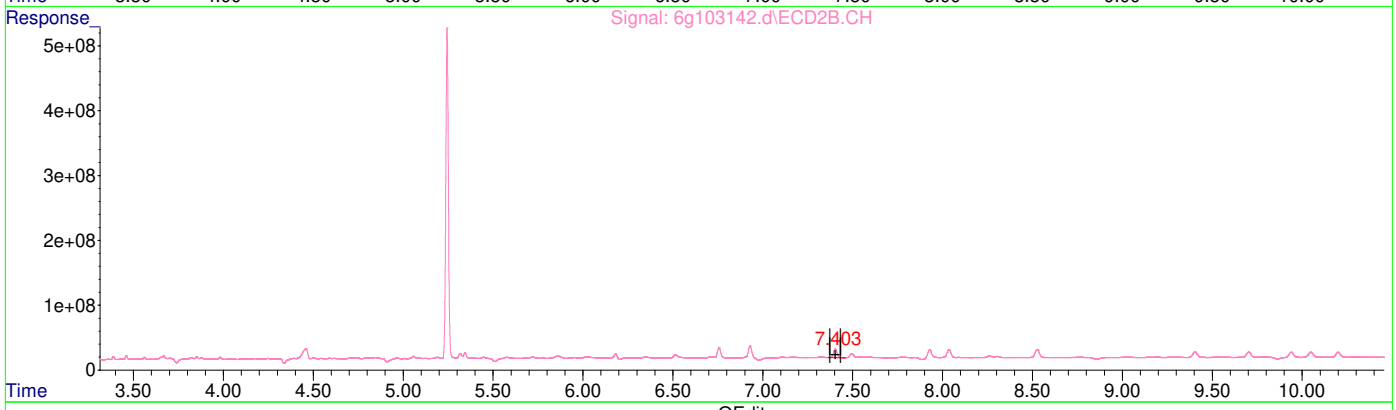
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103142.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:15 pm
Operator : rebeccak
Sample : ic3879-0.1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 6 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:00:55 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(5) gamma-BHC (MA)

6.341min 0.102 PPB m

response 90922926

(5) gamma-BHC #2 (MA)

7.403min 0.103 PPB

response 184748713

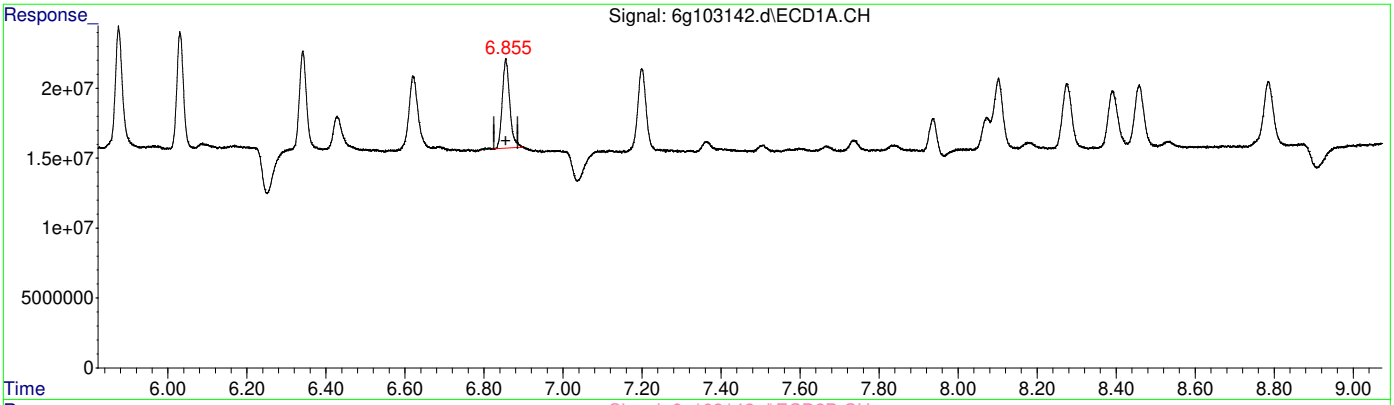
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:02:10 2024

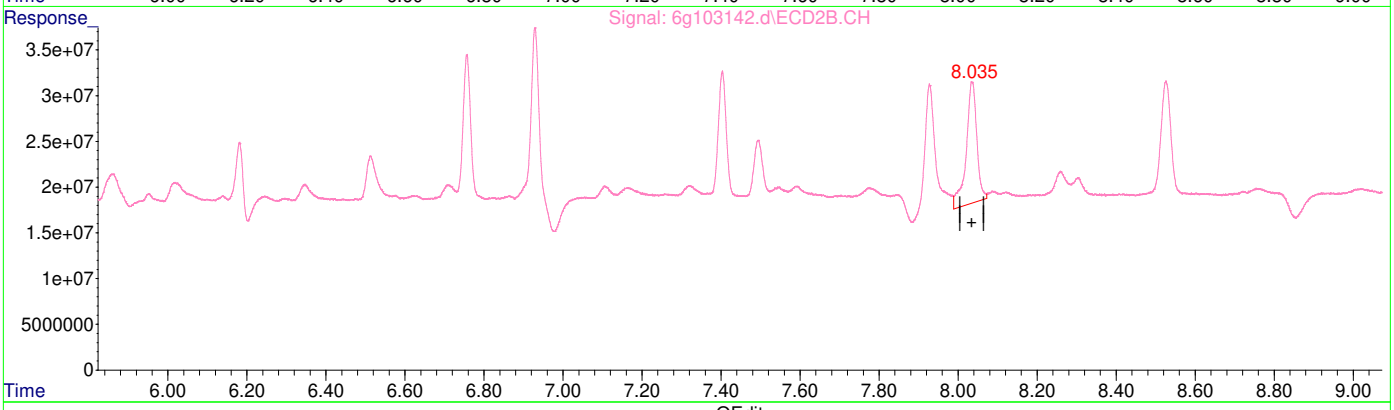
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103142.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:15 pm
Operator : rebeccak
Sample : ic3879-0.1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 6 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:00:55 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(6) Heptachlor (MA)

6.855min 0.098 PPB

response 83355840

(6) Heptachlor #2 (MA)

8.035min 0.147 PPB

response 248830213

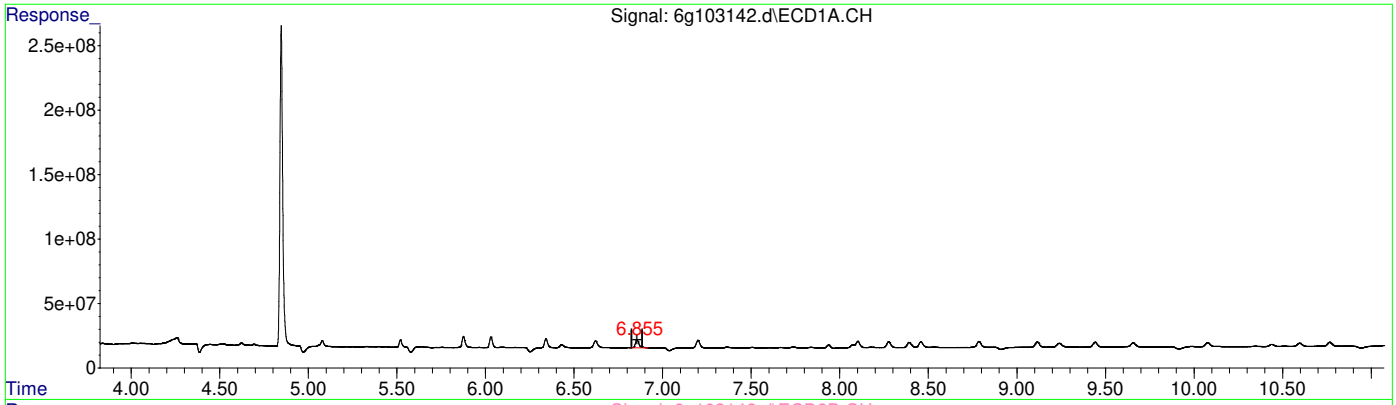
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:02:14 2024

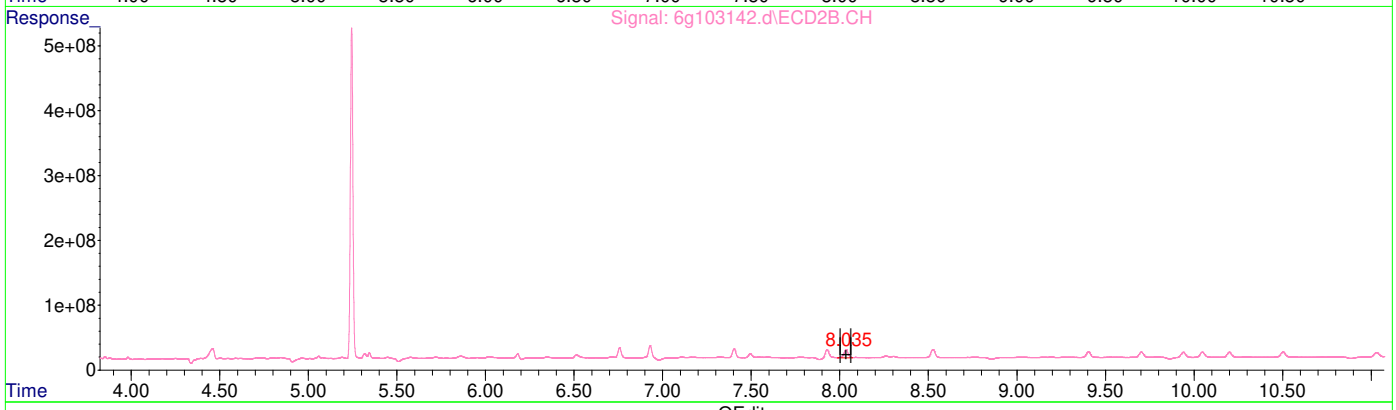
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103142.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:15 pm
Operator : rebeccak
Sample : ic3879-0.1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 6 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:00:55 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(6) Heptachlor (MA)

6.855min 0.105 PPB m

response 89077750

(6) Heptachlor #2 (MA)

8.035min 0.125 PPB m

response 210845010

(+) = Expected Retention Time

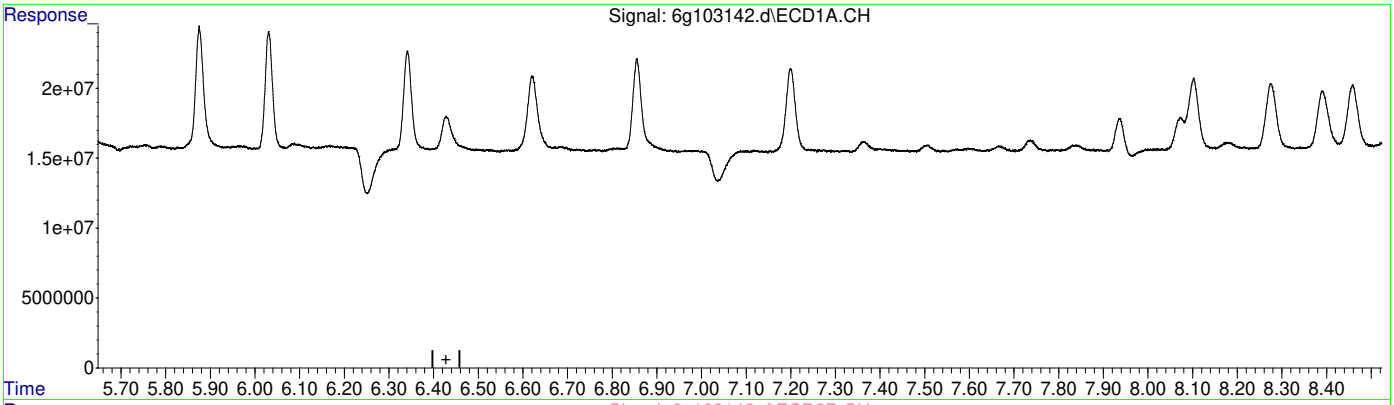
6PSTLVI3879a.M Fri Dec 06 18:02:31 2024 Page: 1

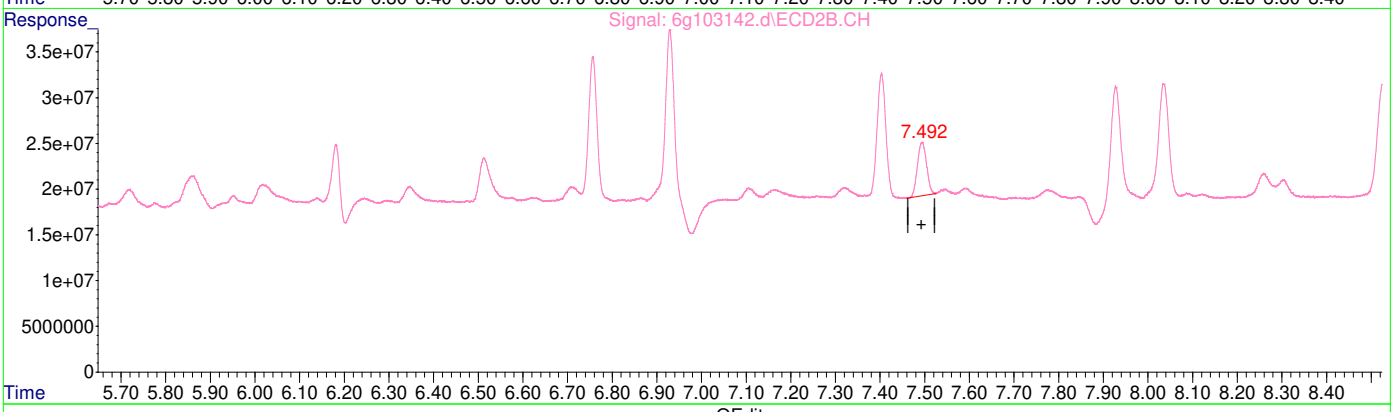
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103142.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:15 pm
Operator : rebeccak
Sample : ic3879-0.1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 6 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:00:55 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(7) beta-BHC (B)

0.000min 0.000 PPB

response 0

(7) beta-BHC #2 (B)

7.494min 0.105 PPB

response 83718075

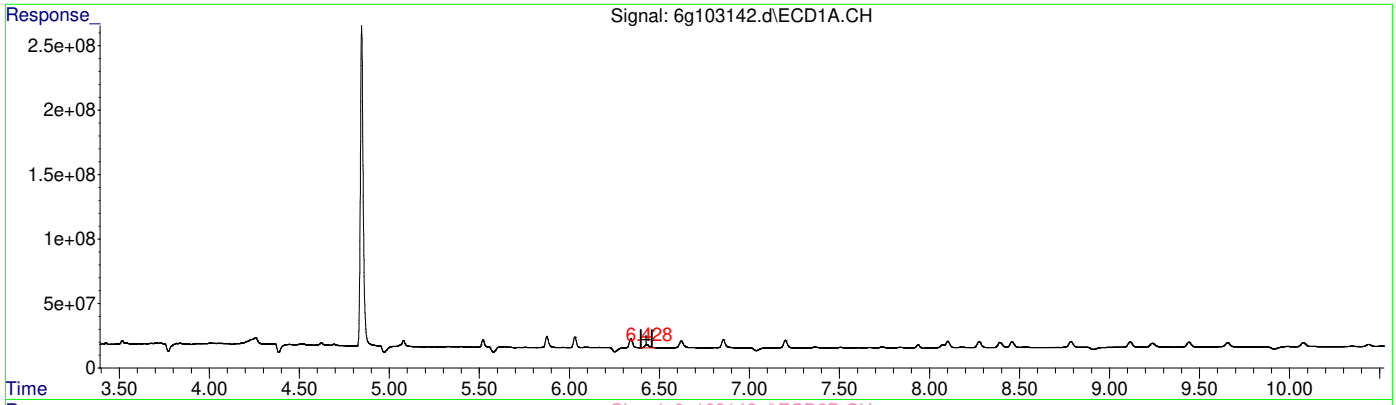
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:02:35 2024

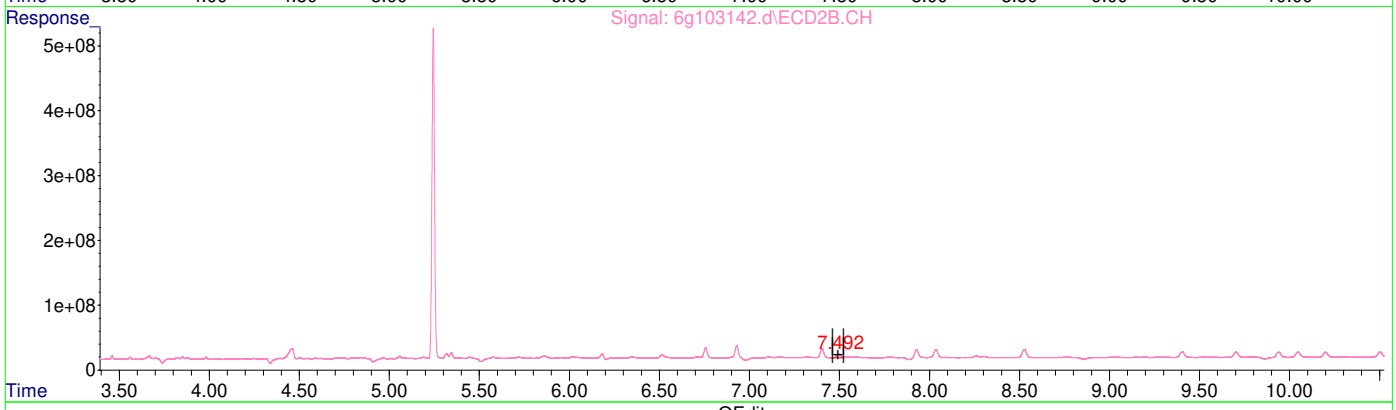
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103142.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:15 pm
Operator : rebeccak
Sample : ic3879-0.1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 6 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:00:55 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(7) beta-BHC (B)

6.428min 0.105 PPB m

response 40122551

(7) beta-BHC #2 (B)

7.492min 0.118 PPB m

response 94327229

(+) = Expected Retention Time

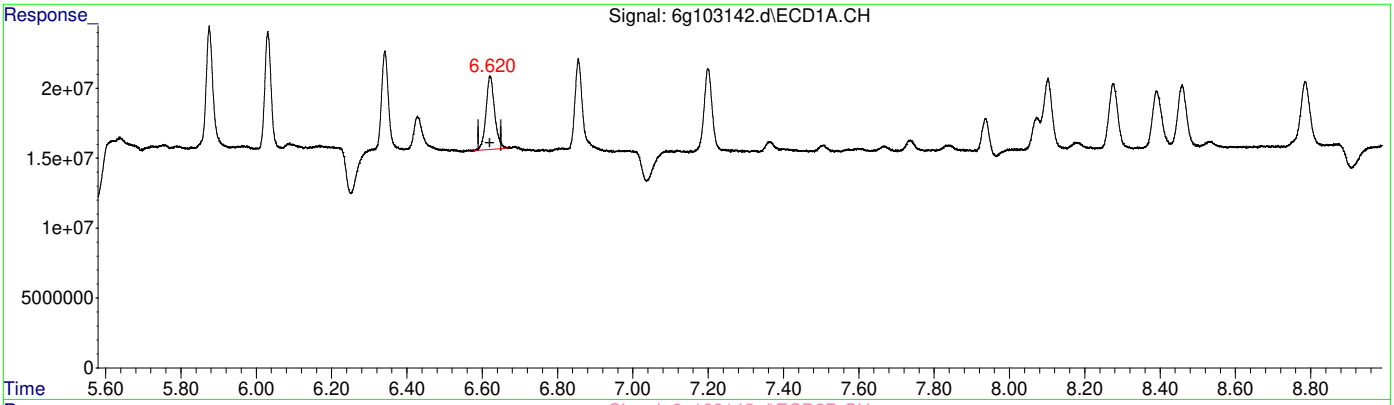
6PSTLVI3879a.M Fri Dec 06 18:02:51 2024

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103142.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:15 pm
Operator : rebeccak
Sample : ic3879-0.1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 6 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:00:55 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



QEdit

(8) delta-BHC (B)

6.620min 0.095 PPB

response 83607700

(8) delta-BHC #2 (B)

7.928min 0.159 PPB

response 290021842

(+) = Expected Retention Time

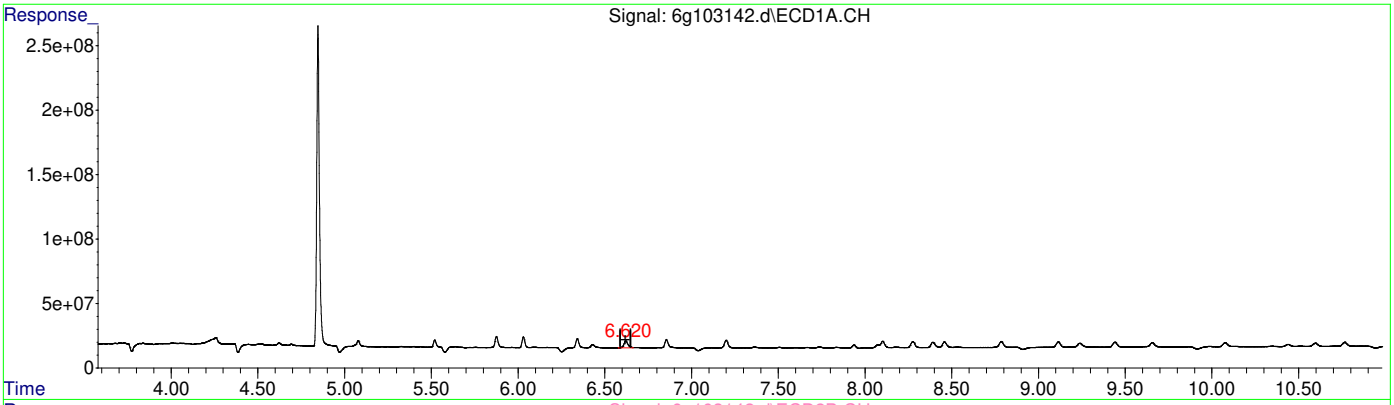
6PSTLVI3879a.M Fri Dec 06 18:02:56 2024

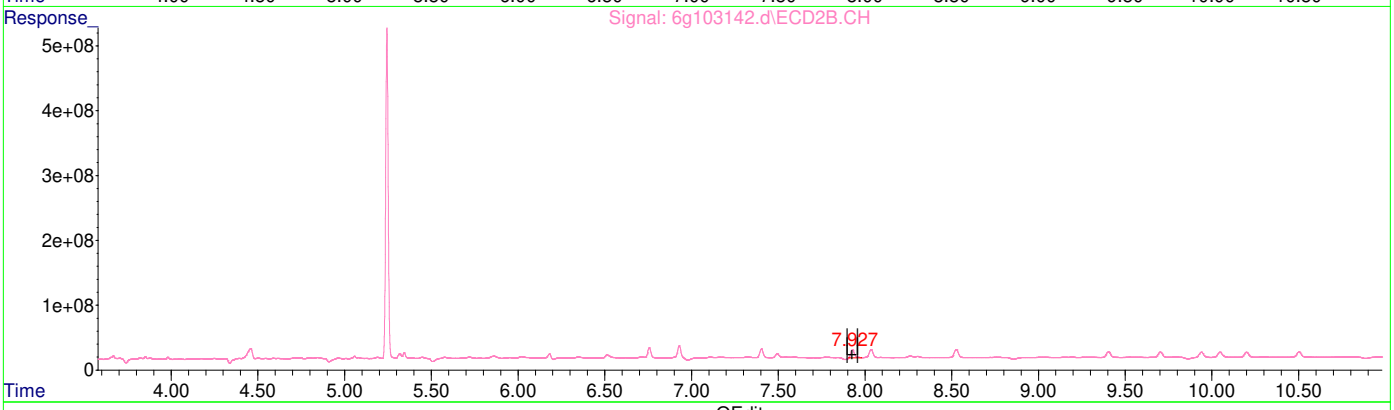
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103142.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:15 pm
Operator : rebeccak
Sample : ic3879-0.1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 6 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:00:55 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(8) delta-BHC (B)

6.620min 0.102 PPB m

response 89710645

(8) delta-BHC #2 (B)

7.927min 0.103 PPB m

response 188562029

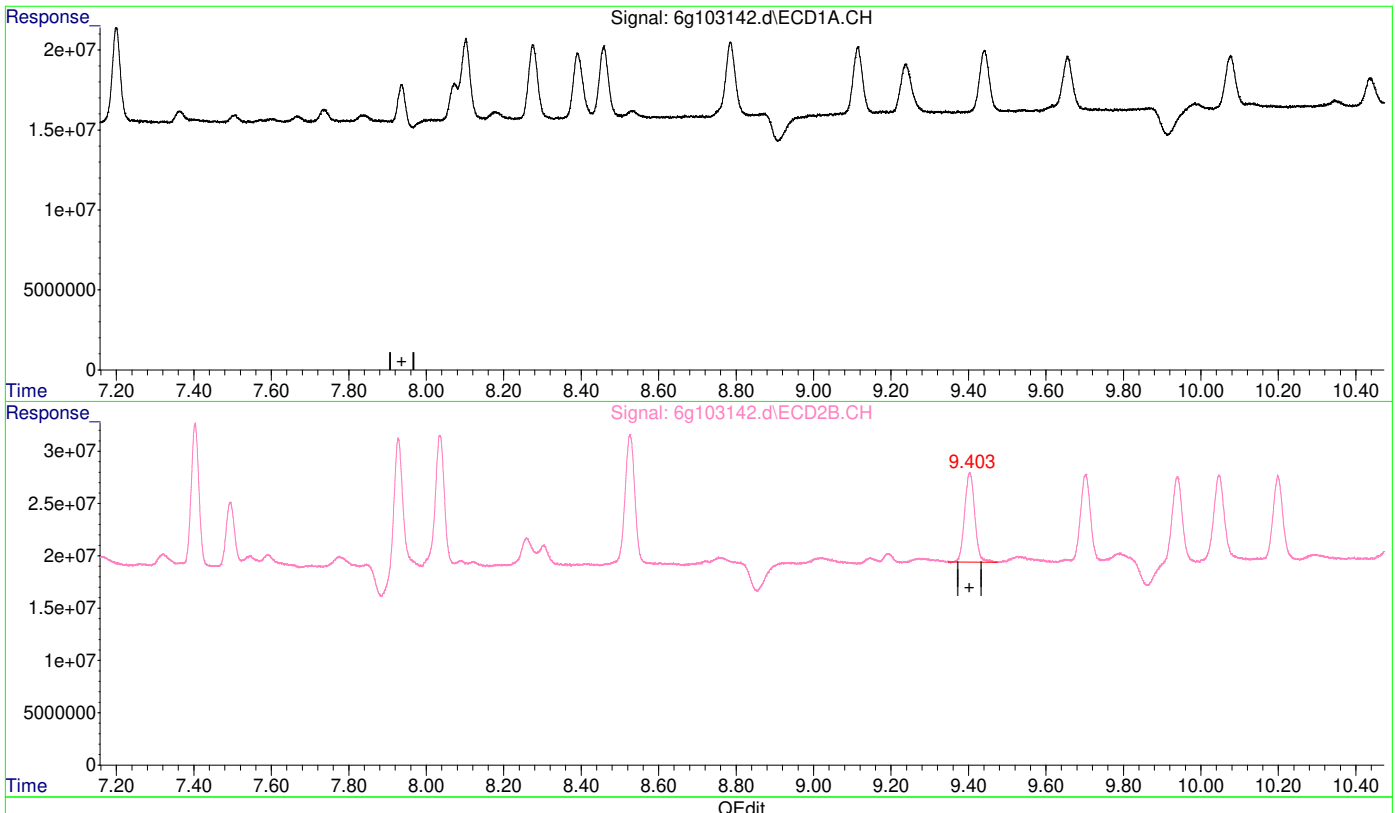
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103142.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:15 pm
Operator : rebeccak
Sample : ic3879-0.1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 6 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:00:55 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



QEdit

(11) Heptachlor Epoxide (B)

0.000min 0.000 PPB

response 0

(11) Heptachlor Epoxide #2 (B)

9.403min 0.105 PPB

response 155484959

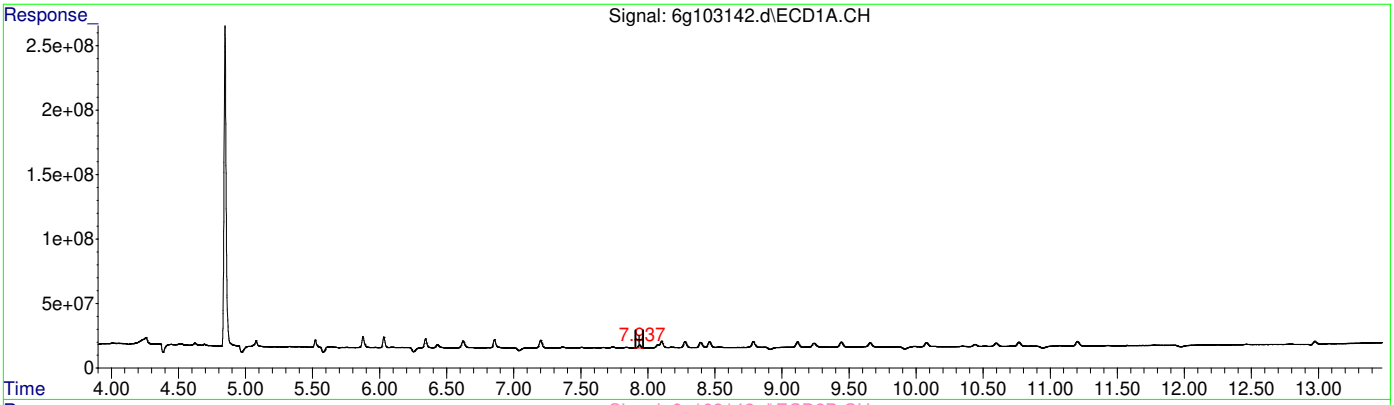
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:03:38 2024

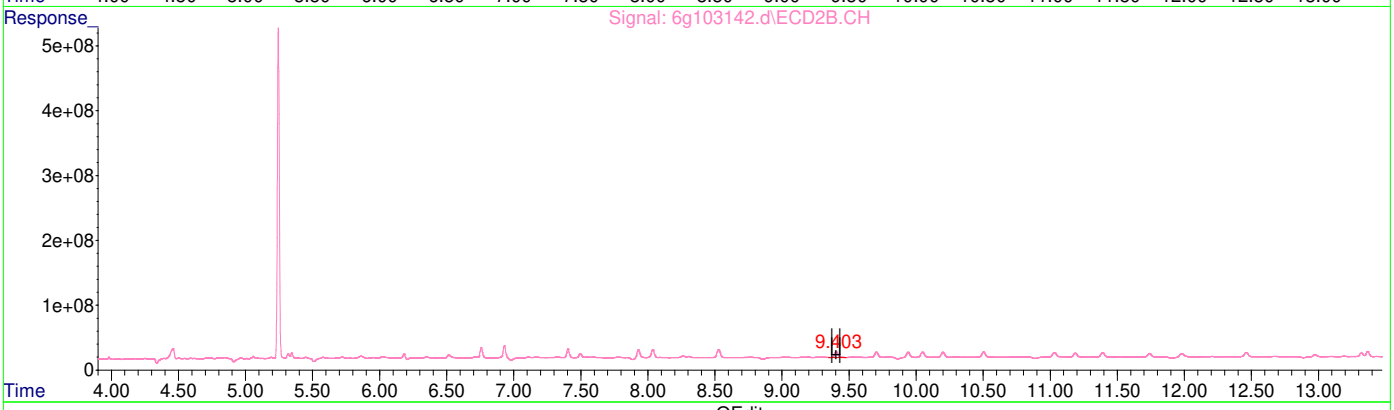
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103142.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:15 pm
Operator : rebeccak
Sample : ic3879-0.1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 6 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:00:55 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(11) Heptachlor Epoxide (B)

7.937min 0.043 PPB m

response 31847230

(11) Heptachlor Epoxide #2 (B)

9.403min 0.105 PPB

response 155484959

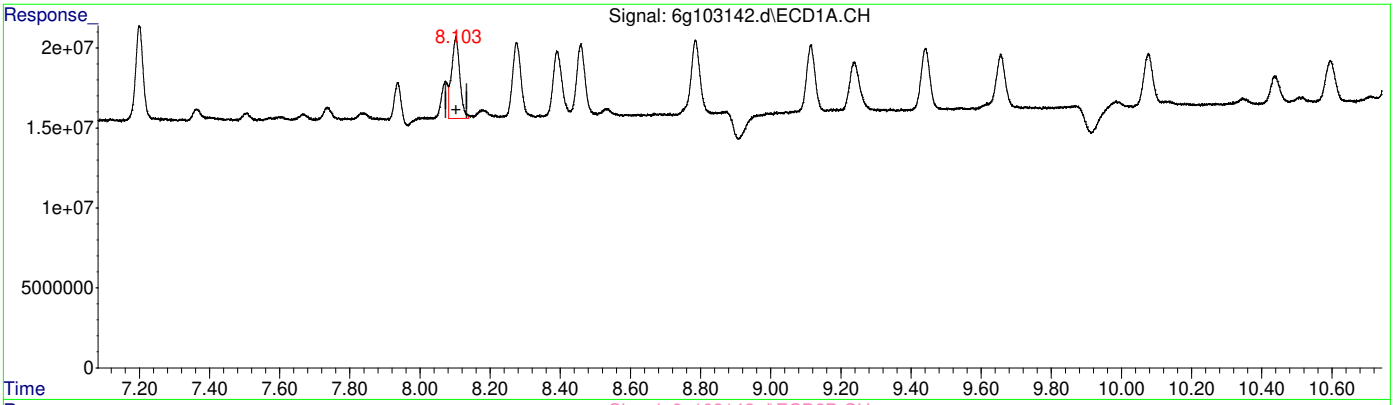
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:03:57 2024

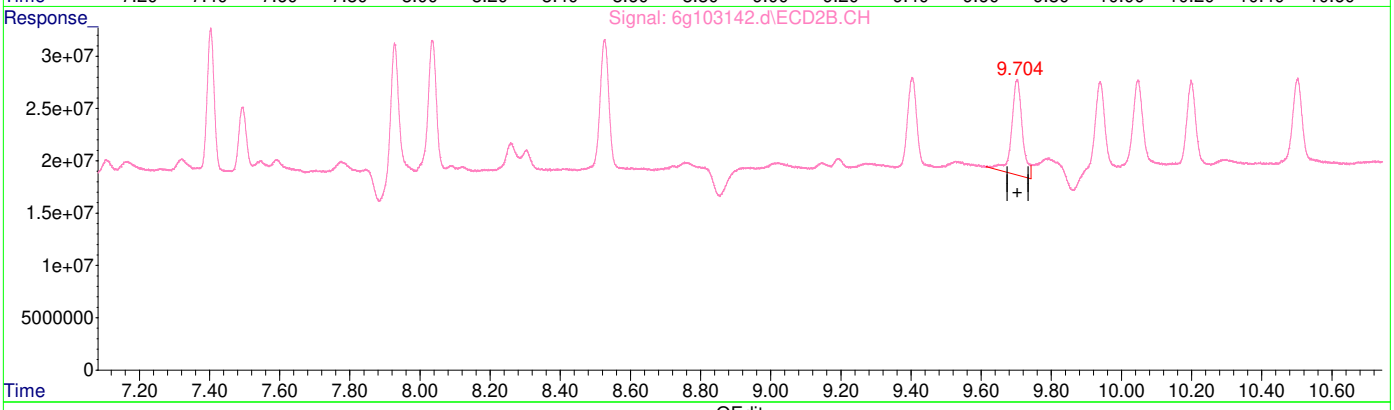
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103142.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:15 pm
Operator : rebeccak
Sample : ic3879-0.1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 6 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:00:55 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(12) gamma-Chlordane (B)

8.103min 0.096 PPB

response 83592300

(12) gamma-Chlordane #2 (B)

9.703min 0.128 PPB

response 195436423

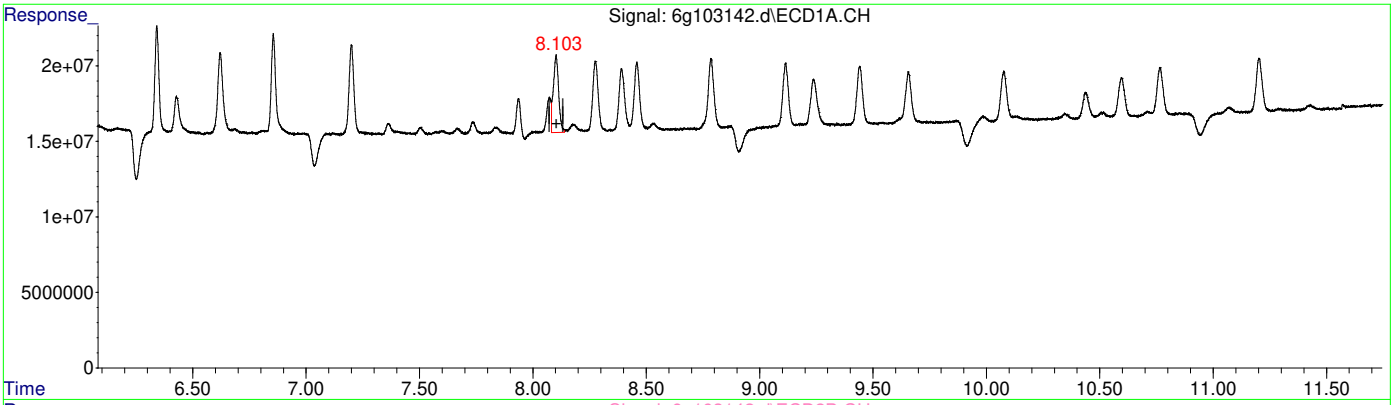
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:04:02 2024

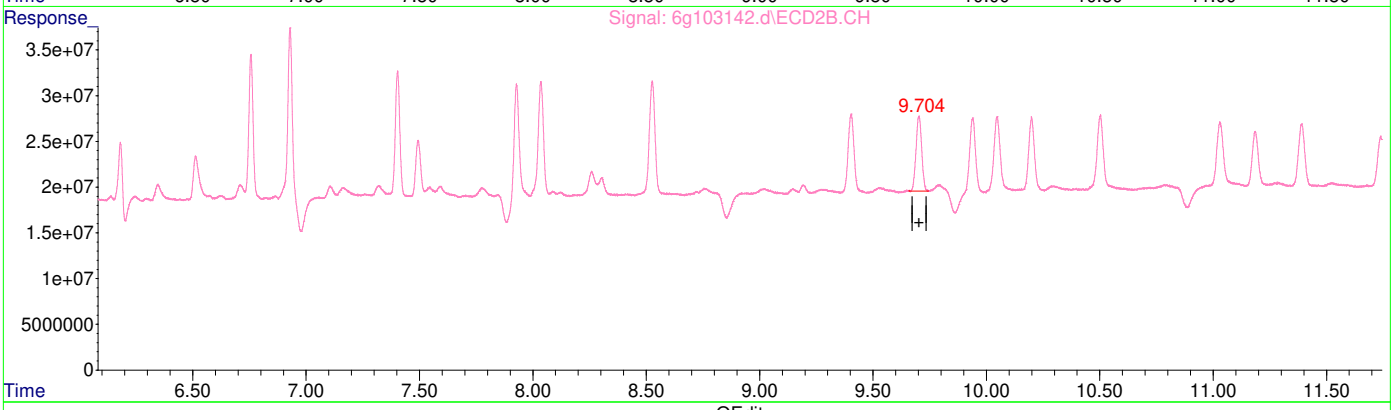
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103142.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:15 pm
Operator : rebeccak
Sample : ic3879-0.1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 6 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:00:55 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(12) gamma-Chlordane (B)

8.103min 0.096 PPB

response 83592300

(12) gamma-Chlordane #2 (B)

9.704min 0.094 PPB m

response 143434724

(+) = Expected Retention Time

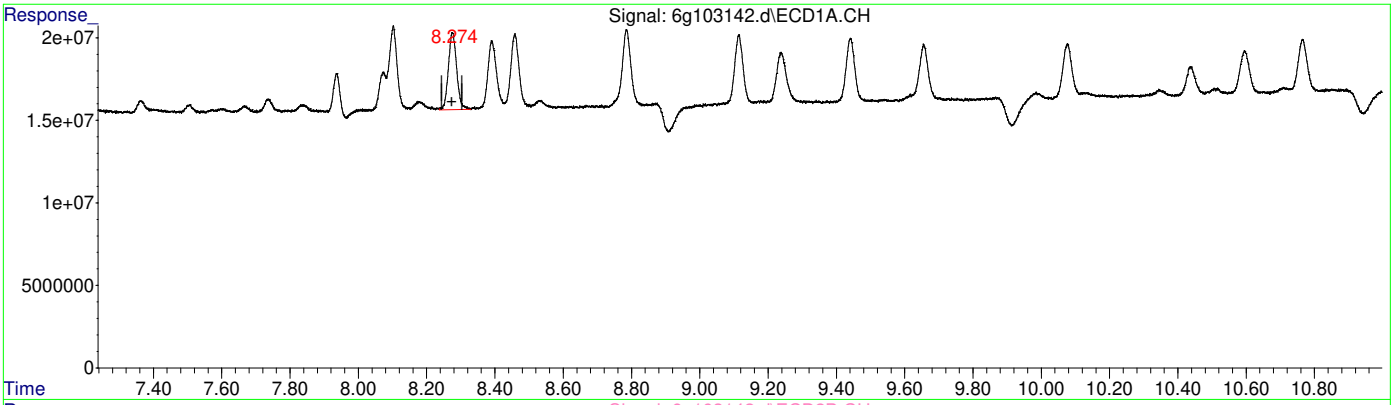
6PSTLVI3879a.M Fri Dec 06 18:04:17 2024

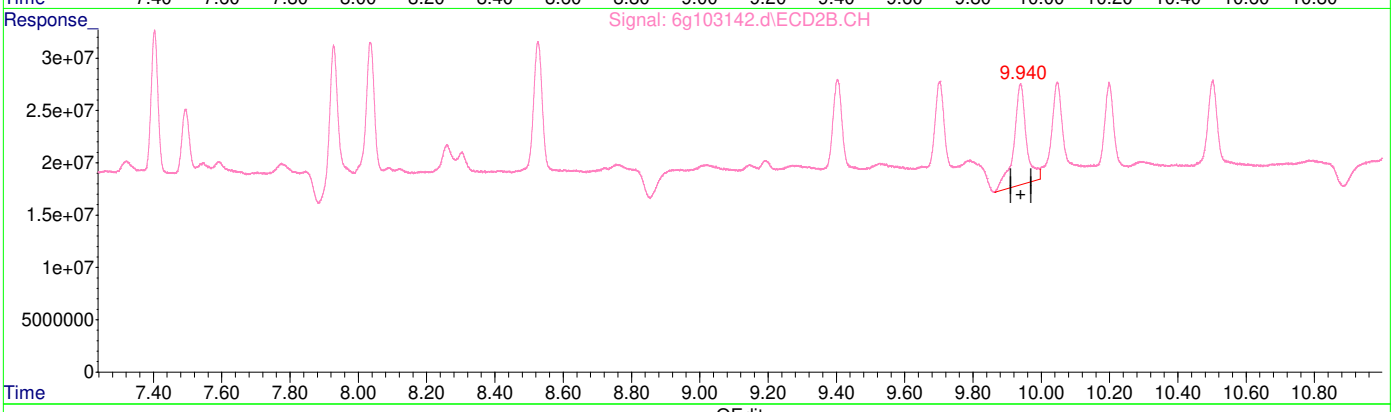
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103142.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:15 pm
Operator : rebeccak
Sample : ic3879-0.1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 6 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:00:55 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(13) alpha-Chlordane (B)

8.275min 0.100 PPB

response 78957977

(13) alpha-Chlordane #2 (B)

9.939min 0.163 PPB

response 248580103

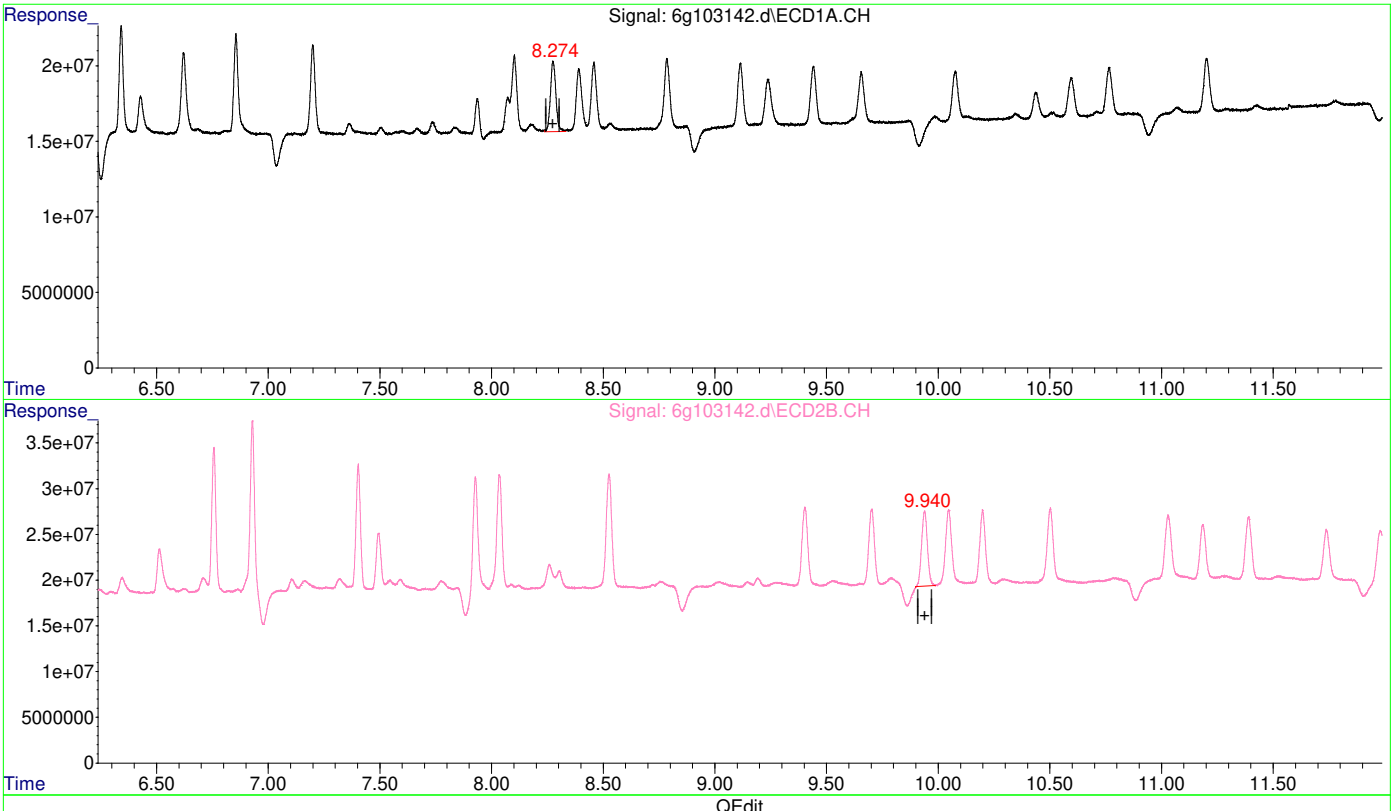
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103142.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:15 pm
Operator : rebeccak
Sample : ic3879-0.1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 6 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:00:55 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



QEdit

(13) alpha-Chlordane (B)

8.275min 0.100 PPB

response 78957977

(13) alpha-Chlordane #2 (B)

9.940min 0.098 PPB m

response 148477582

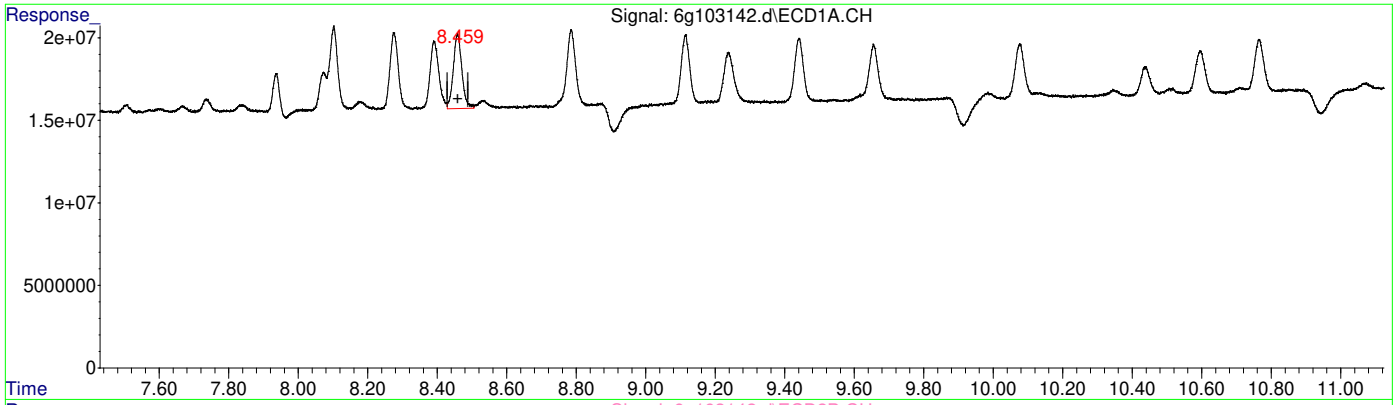
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:04:33 2024

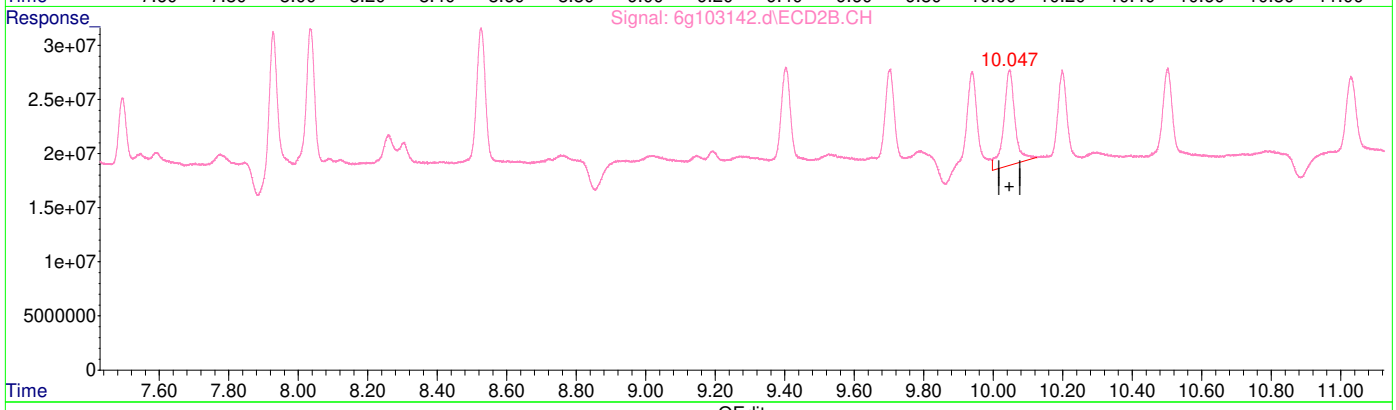
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103142.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:15 pm
Operator : rebeccak
Sample : ic3879-0.1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 6 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:00:55 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(14) Endosulfan I (A)

8.459min 0.104 PPB

response 77443053

(14) Endosulfan I #2 (A)

10.047min 0.143 PPB

response 199316713

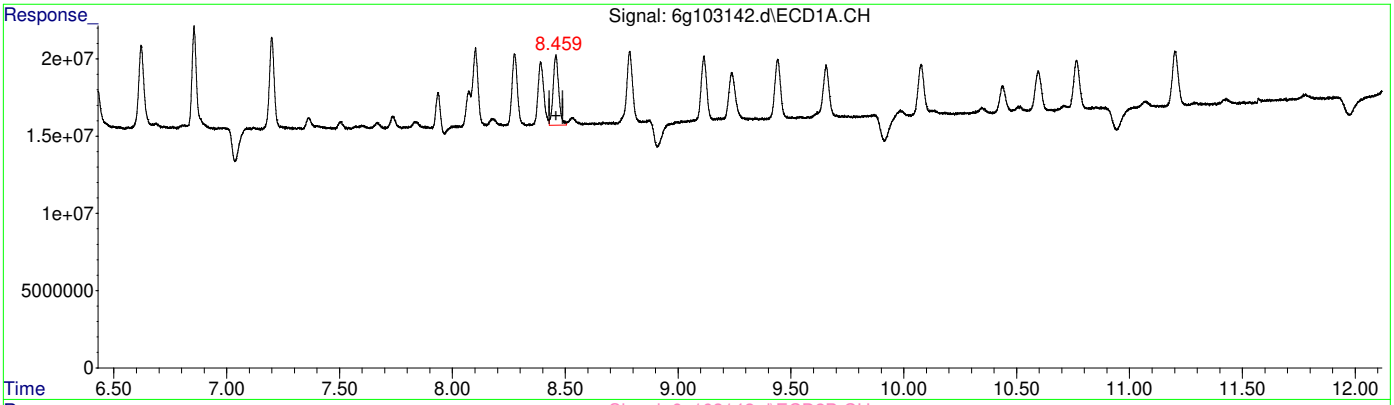
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:04:37 2024

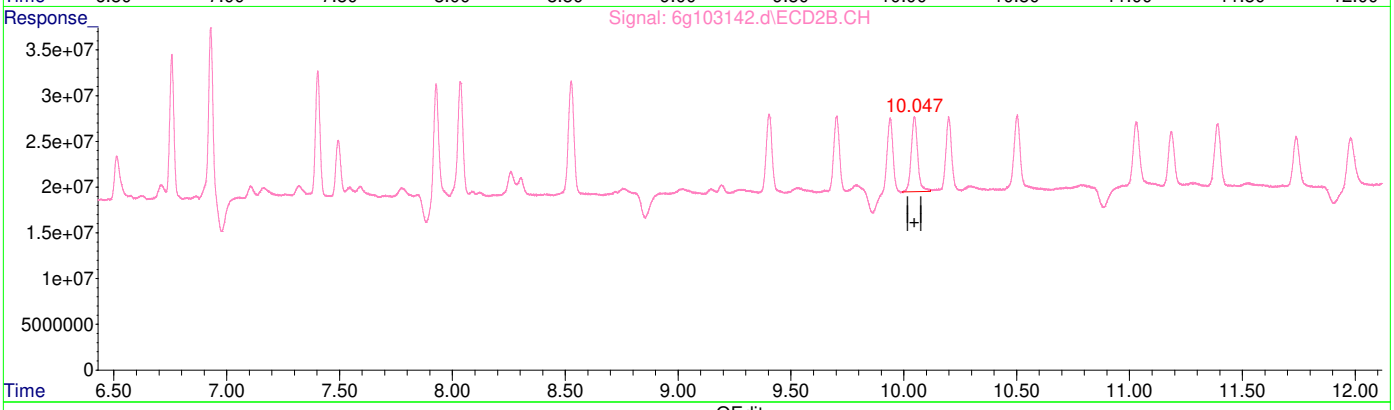
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103142.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:15 pm
Operator : rebeccak
Sample : ic3879-0.1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 6 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:00:55 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(14) Endosulfan I (A)

8.459min 0.104 PPB

response 77443053

(14) Endosulfan I #2 (A)

10.047min 0.117 PPB m

response 163276593

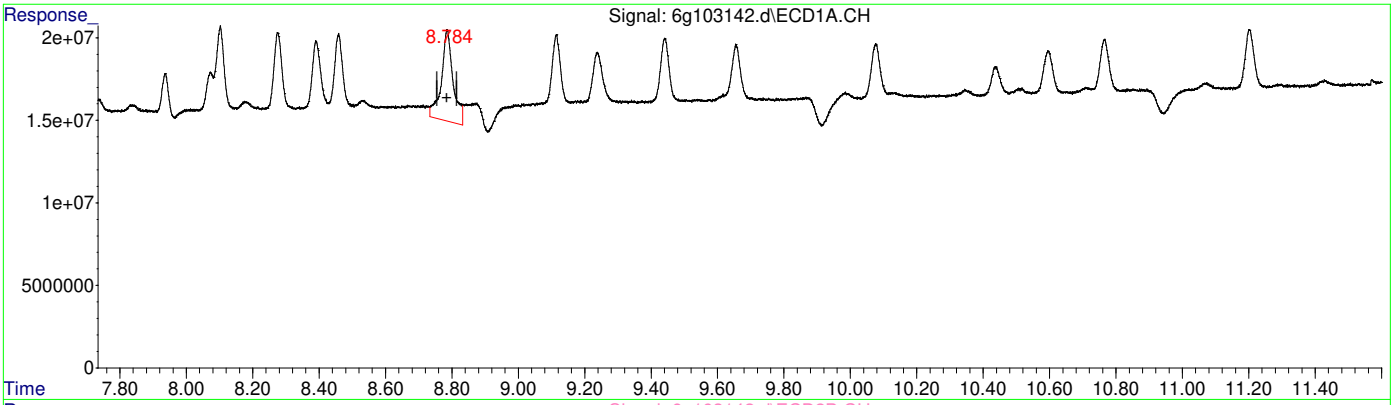
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:04:44 2024

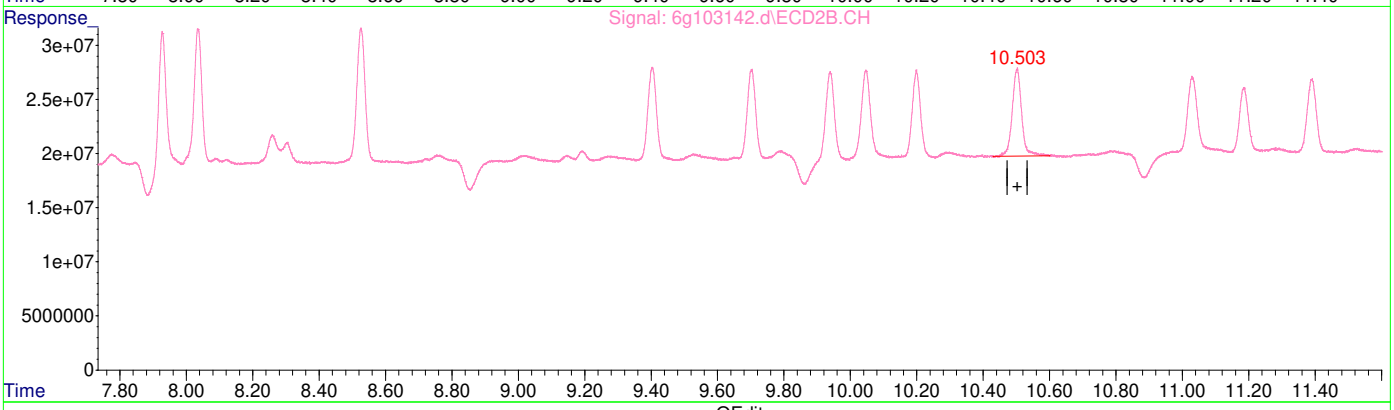
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103142.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:15 pm
Operator : rebeccak
Sample : ic3879-0.1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 6 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:00:55 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(16) Dieldrin (MA)

8.785min 0.164 PPB

response 135212292

(16) Dieldrin #2 (MA)

10.503min 0.107 PPB

response 160050595

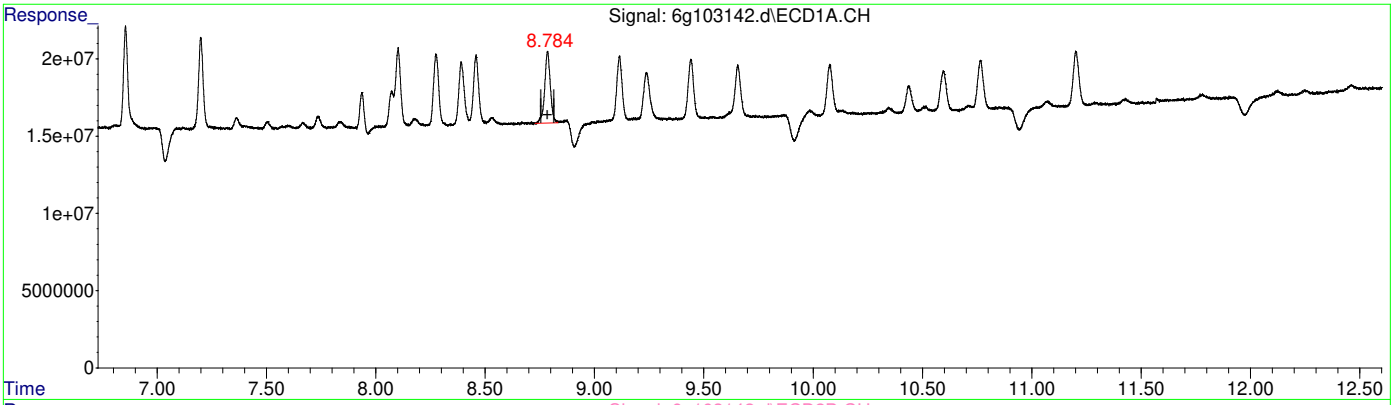
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:04:50 2024

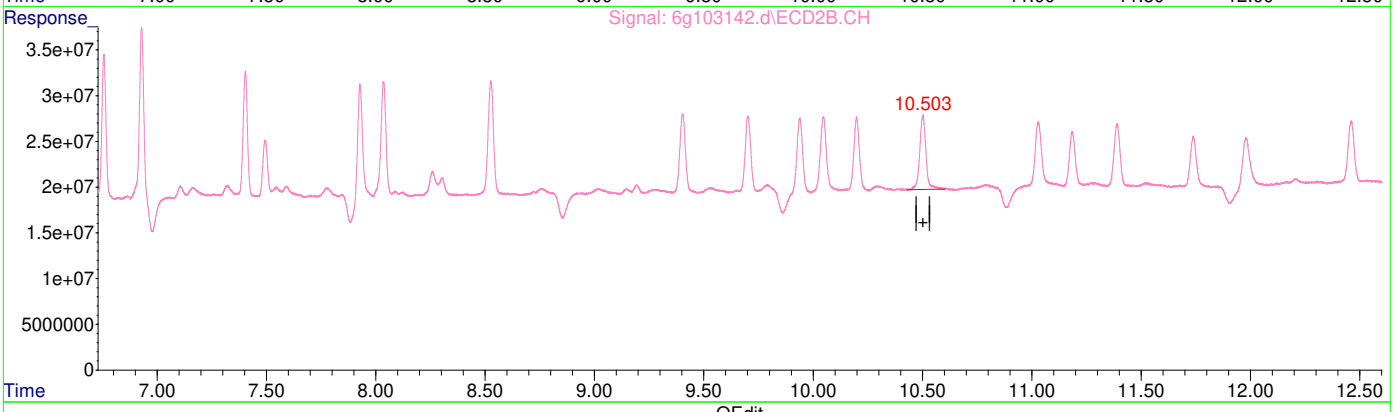
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103142.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:15 pm
Operator : rebeccak
Sample : ic3879-0.1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 6 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:00:55 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(16) Dieldrin (MA)

8.784min 0.101 PPB m

response 83668047

(16) Dieldrin #2 (MA)

10.503min 0.107 PPB

response 160050595

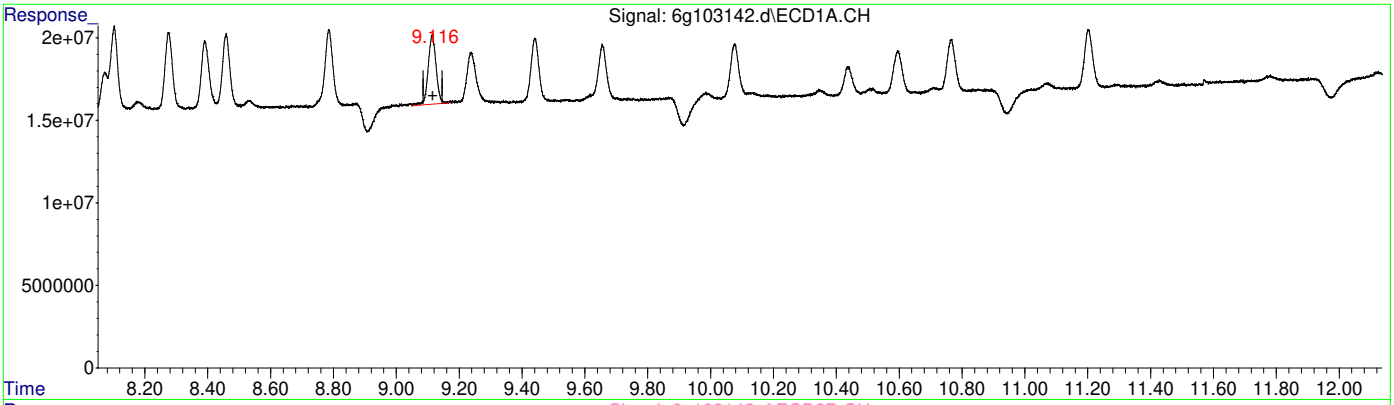
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:04:57 2024

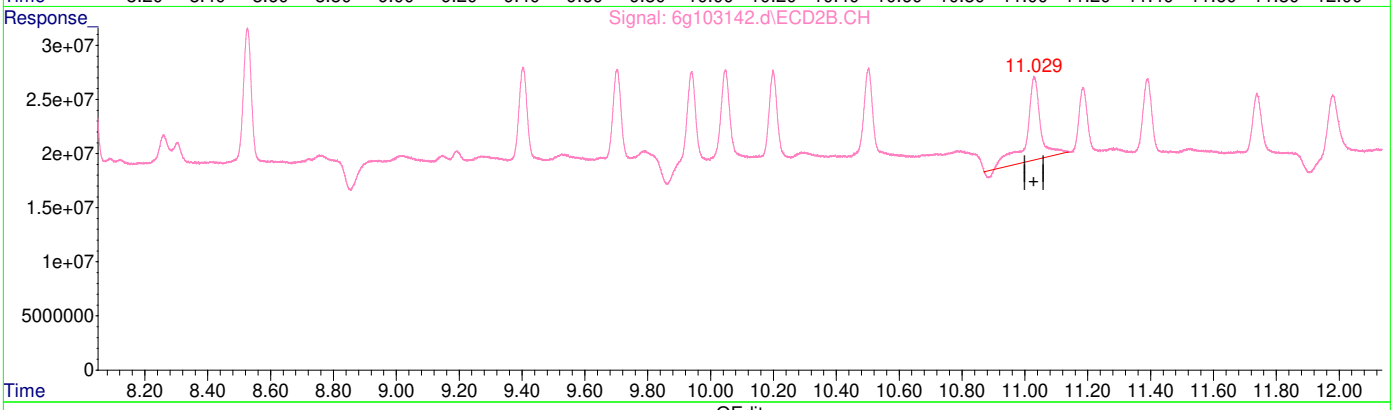
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103142.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:15 pm
Operator : rebeccak
Sample : ic3879-0.1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 6 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:00:55 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(17) Endrin (MA)

9.115min 0.104 PPB

response 73684394

(17) Endrin #2 (MA)

11.030min 0.199 PPB

response 235636460

(+) = Expected Retention Time

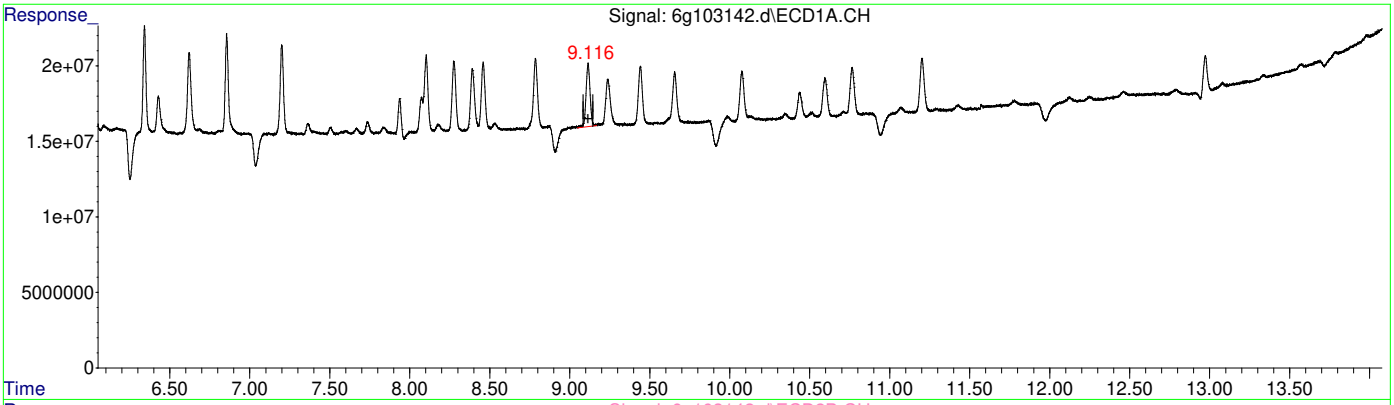
6PSTLVI3879a.M Fri Dec 06 18:05:00 2024

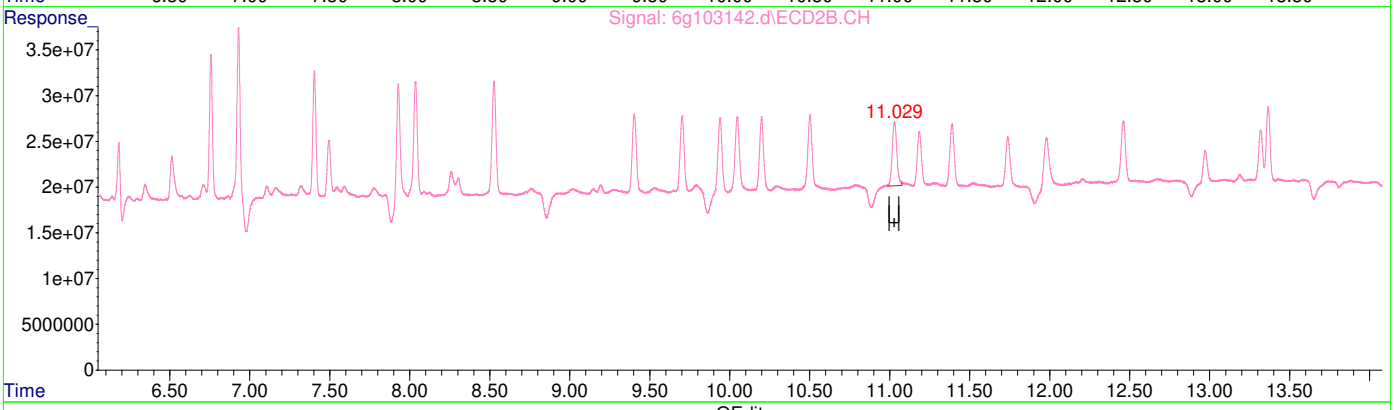
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103142.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:15 pm
Operator : rebeccak
Sample : ic3879-0.1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 6 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:00:55 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(17) Endrin (MA)

9.115min 0.104 PPB

response 73684394

(17) Endrin #2 (MA)

11.029min 0.119 PPB m

response 140628472

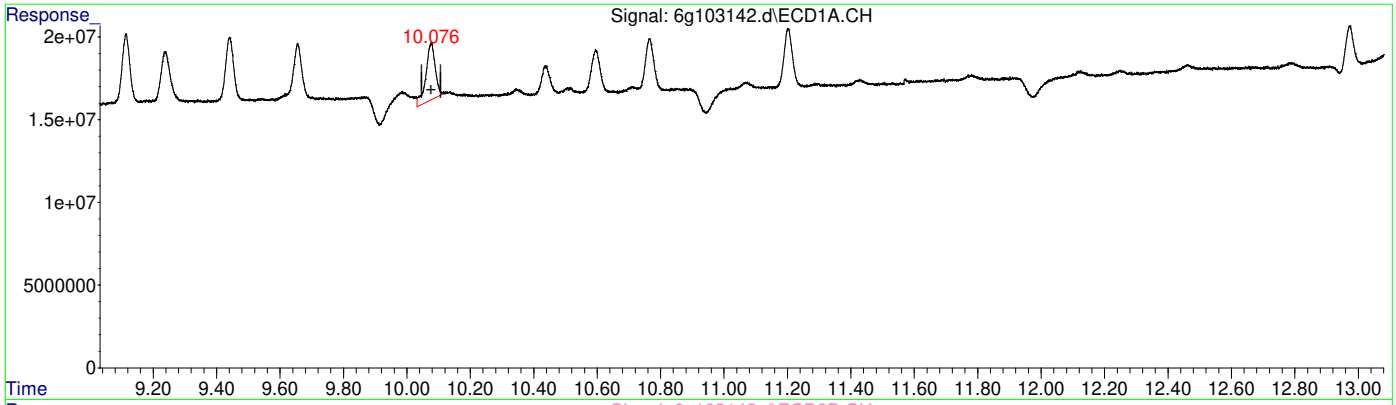
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:05:17 2024

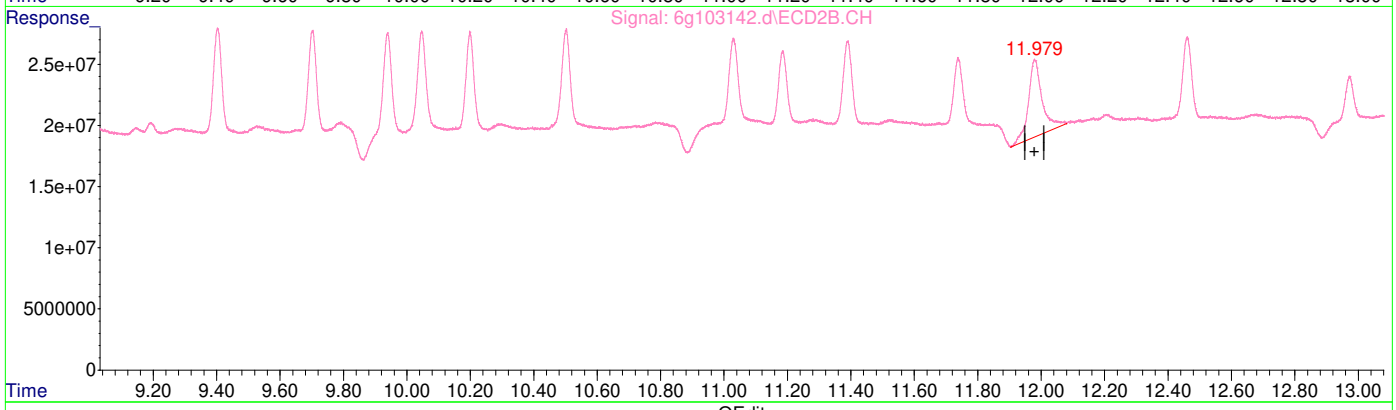
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103142.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:15 pm
Operator : rebeccak
Sample : ic3879-0.1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 6 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:00:55 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(21) Endrin Aldehyde (B)

10.077min 0.122 PPB

response 70258087

(21) Endrin Aldehyde #2 (B)

11.979min 0.173 PPB

response 190641105

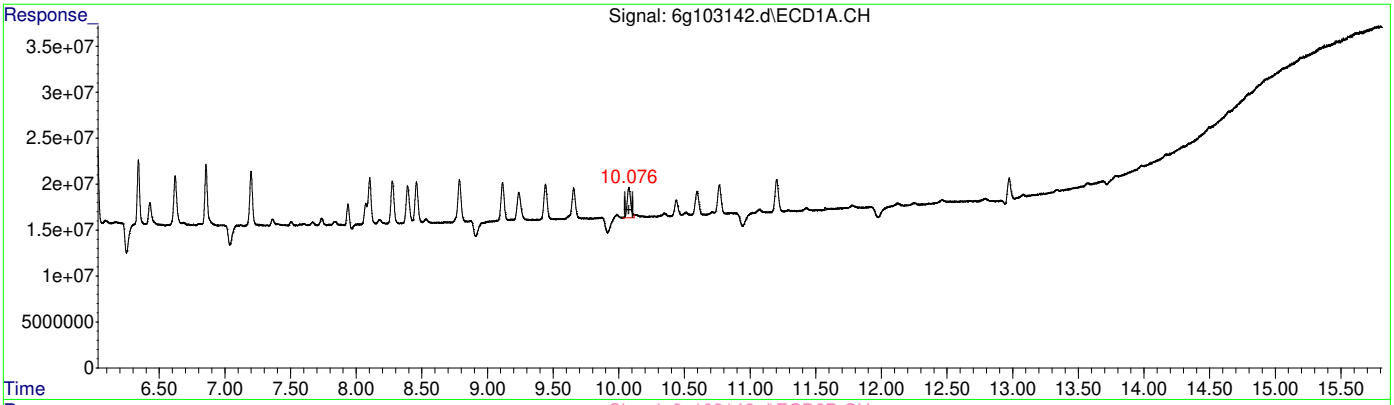
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:05:26 2024

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103142.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:15 pm
Operator : rebeccak
Sample : ic3879-0.1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 6 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:00:55 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



(21) Endrin Aldehyde (B)

10.076min 0.110 PPB m

response 63244202

(21) Endrin Aldehyde #2 (B)

11.979min 0.114 PPB m

response 126093876

(+) = Expected Retention Time

6PSTLVI3879a.M Fri Dec 06 18:05:53 2024

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103142.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:15 pm
Operator : rebeccak
Sample : ic3879-0.1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 6 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
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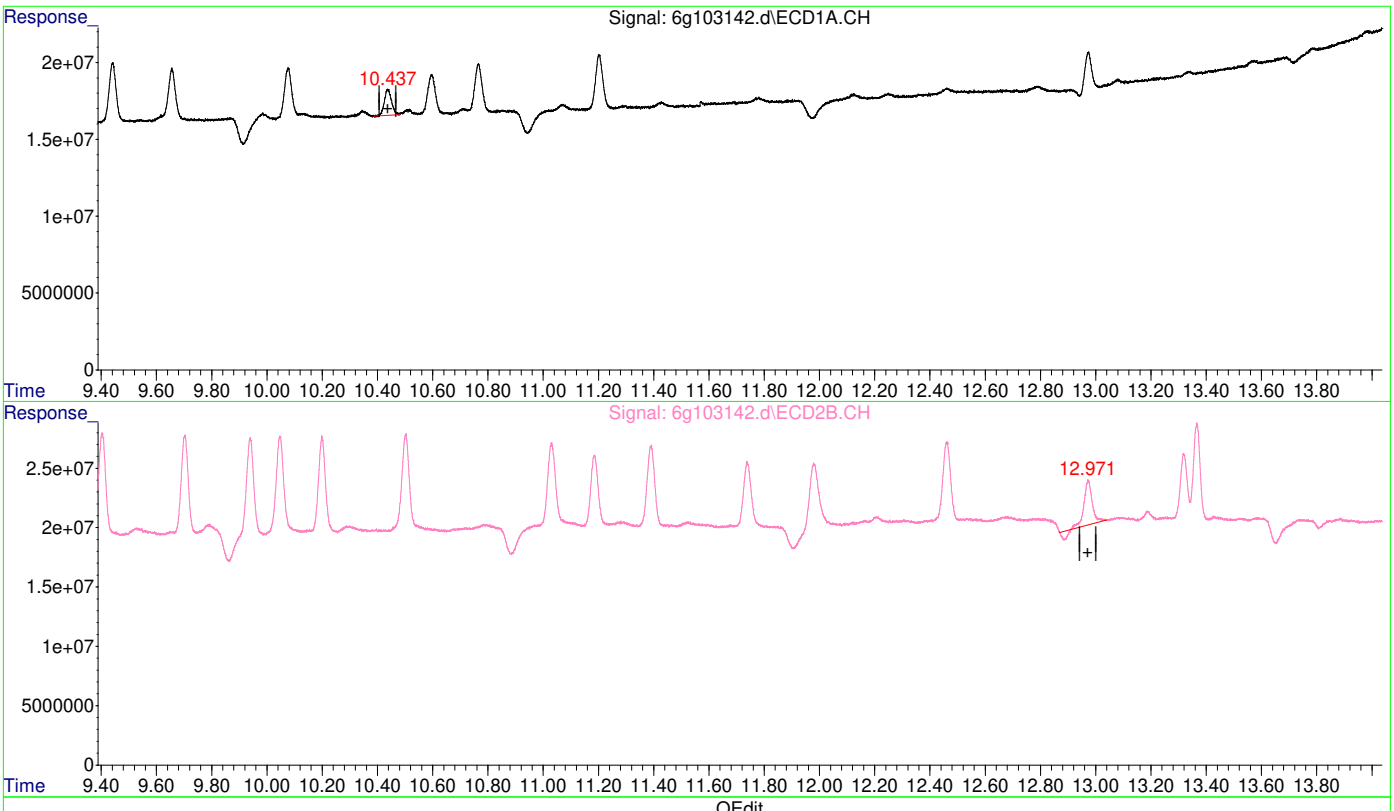
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



(23) Methoxychlor (A)

10.437min 0.092 PPB

response 30541089

(23) Methoxychlor #2 (A)

12.973min 0.112 PPB

response 69879439

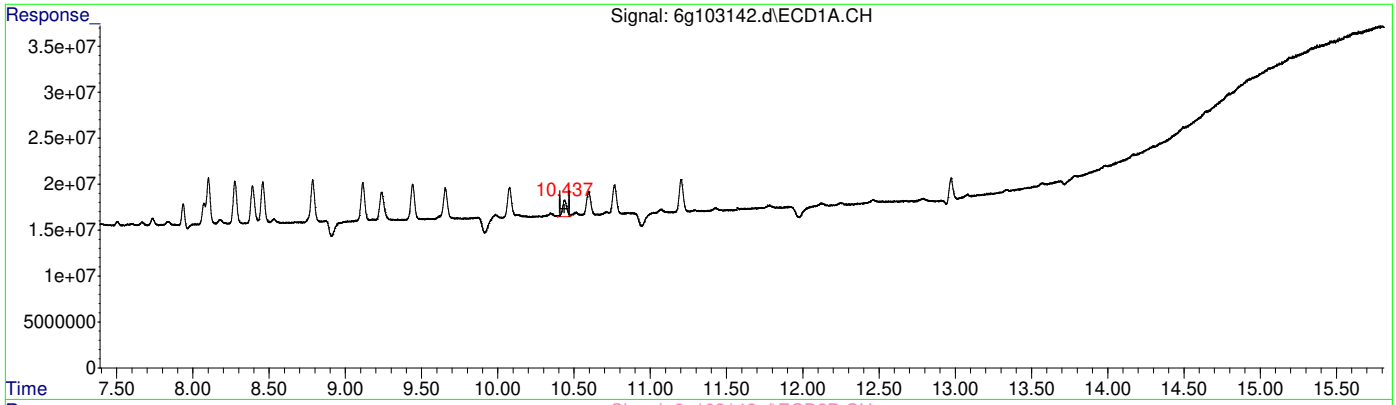
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:06:00 2024

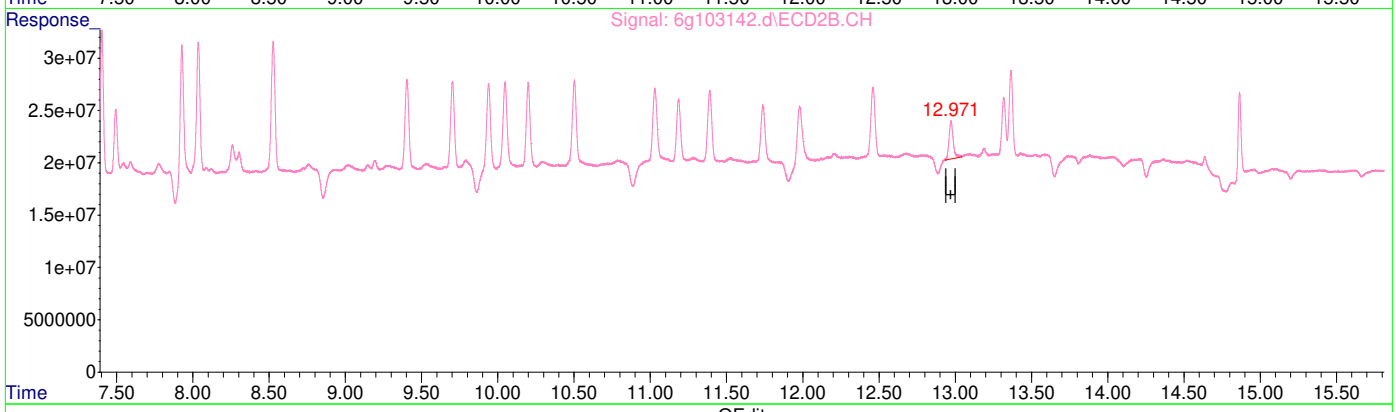
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103142.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:15 pm
Operator : rebeccak
Sample : ic3879-0.1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 6 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:00:55 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(23) Methoxychlor (A)

10.437min 0.105 PPB m

response 34916836

(23) Methoxychlor #2 (A)

12.971min 0.112 PPB m

response 69952930

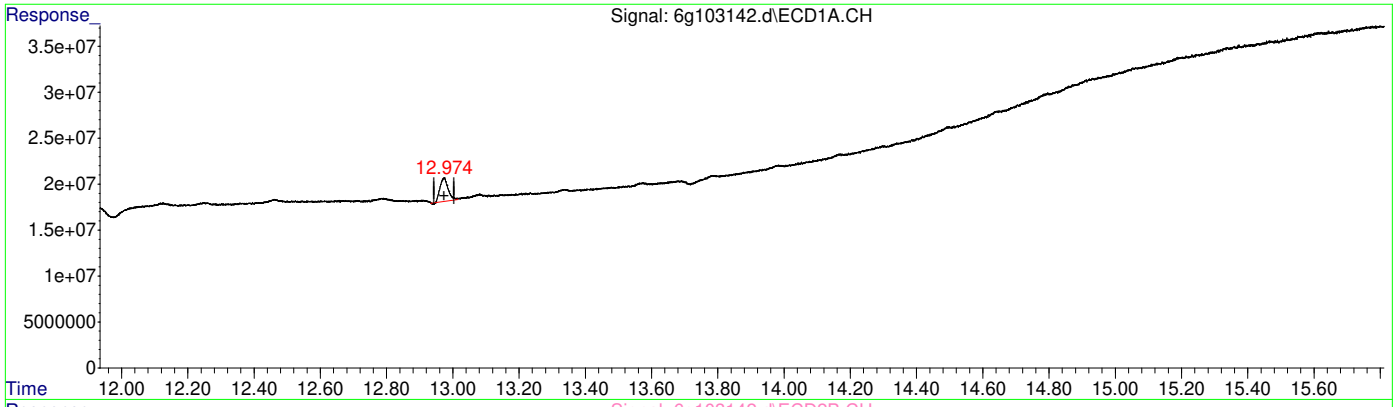
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:06:17 2024

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103142.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:15 pm
Operator : rebeccak
Sample : ic3879-0.1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 6 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:00:55 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



(26) Decachlorobiphenyl (SA)

12.974min 0.059 PPB

response 43014650

(26) Decachlorobiphenyl #2 (SA)

14.865min 0.145 PPB

response 117862617

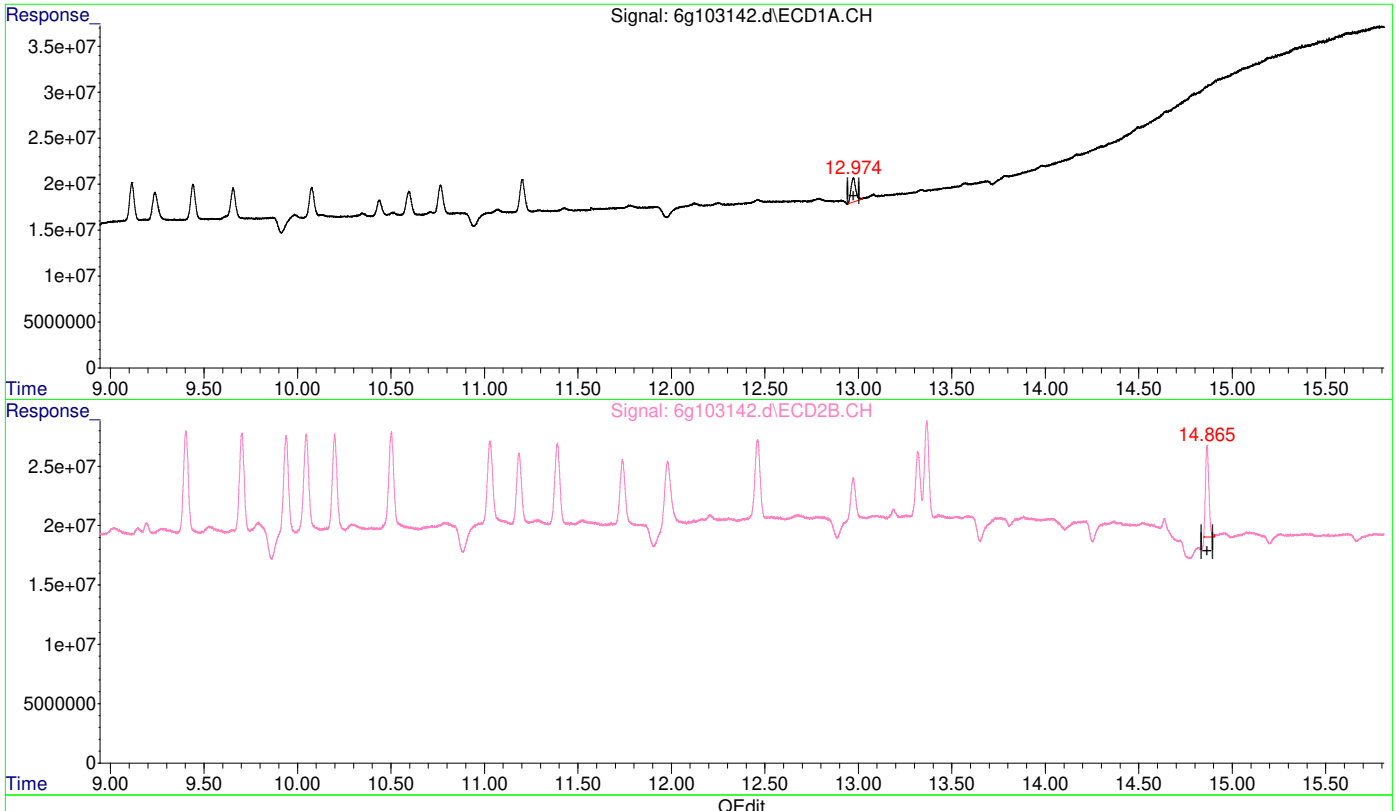
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103142.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:15 pm
Operator : rebeccak
Sample : ic3879-0.1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 6 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:00:55 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



(26) Decachlorobiphenyl (SA)

12.974min 0.063 PPB m

response 45979474

(26) Decachlorobiphenyl #2 (SA)

14.865min 0.119 PPB m

response 96735314

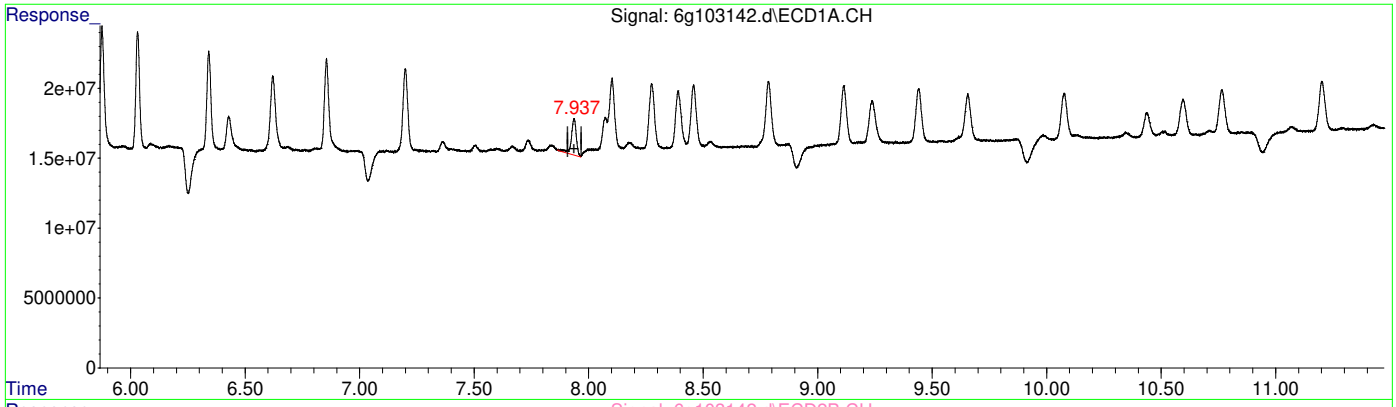
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:06:47 2024

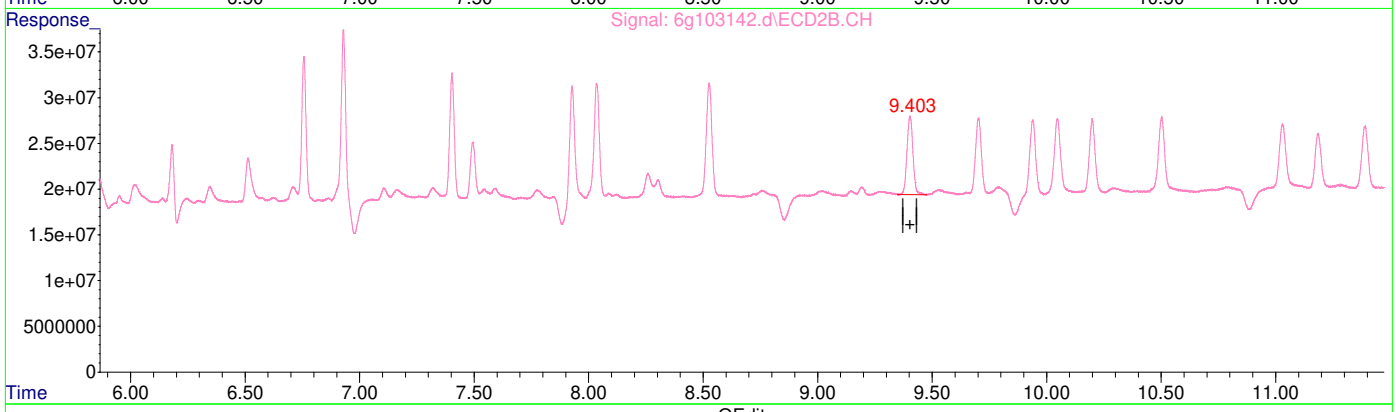
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103142.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:15 pm
Operator : rebeccak
Sample : ic3879-0.1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 6 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:06:43 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(11) Heptachlor Epoxide (B)

7.937min 0.053 PPB m

response 39322604

(11) Heptachlor Epoxide #2 (B)

9.403min 0.105 PPB

response 155484959

(+) = Expected Retention Time
6PSTLVI3879a.M Sun Dec 08 21:19:07 2024

Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug 12/09/24 11:00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103143.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:36 pm
Operator : rebeccak
Sample : ic3879-0.2
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 7 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:11:14 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1)	I 1-bromo-2...	4.847	5.245	2788.4E6	5135.0E6	5.000	5.000
27)	I 1-bromo-2...	4.847	5.245	2788.4E6	5135.0E6	5.000	5.000
33)	I 1-bromo-2...	4.847	5.245	2788.4E6	5135.0E6	5.000	5.000
	System Monitoring Compounds						
2)	SAB Tetrachlo...	5.521	6.182	121.1E6	201.0E6	0.195m	0.184m
	Spiked Amount 40.000	Range 30 - 150		Recovery =		0.49%#	0.46%#
26)	SA Decachlor...	12.971	14.865	91312517	190.7E6	0.122	0.230m#
	Spiked Amount 40.000			Recovery =		0.30%	0.57%
	Target Compounds						
3)	Hexachlor...	5.877	6.758	208.1E6	375.8E6	0.207	0.208
4)	A alpha-BHC	6.032	6.931	193.0E6	493.9E6	0.184	0.230 #
5)	MA gamma-BHC	6.342	7.404	167.7E6	353.4E6	0.182m	0.194
6)	MA Heptachlor	6.857	8.036	164.2E6	357.1E6	0.188	0.208m
7)	B beta-BHC	6.429	7.494	74095244	176.4E6	0.188m	0.217
8)	B delta-BHC	6.621	7.928	150.5E6	332.3E6	0.166	0.179m
9)	MB Aldrin	7.201	8.527	160.1E6	360.1E6	0.187	0.211
11)	B Heptachlo...	7.937	9.403	111.1E6	277.3E6	0.146	0.184 #
12)	B gamma-Chl...	8.102	9.702	159.7E6	262.7E6	0.178	0.169m
13)	B alpha-Chl...	8.276	9.939	143.2E6	263.2E6	0.176	0.170m
14)	A Endosulfan I	8.459	10.046	140.7E6	272.3E6	0.183	0.192m
15)	B 4,4'-DDE	8.392	10.199	135.3E6	252.3E6	0.167	0.163
16)	MA Dieldrin	8.785	10.501	164.1E6	274.2E6	0.193m	0.180
17)	MA Endrin	9.114	11.029	137.7E6	239.6E6	0.188	0.199m
18)	A 4,4'-DDD	9.236	11.184	111.9E6	209.0E6	0.166	0.169
19)	B Endosulfa...	9.441	11.389	128.9E6	239.8E6	0.173	0.177
20)	MA 4,4'-DDT	9.656	11.738	115.9E6	201.3E6	0.169	0.152
21)	B Endrin Al...	10.076	11.978	123.0E6	234.5E6	0.208m	0.209m
22)	B Endosulfa...	10.764	12.460	109.8E6	231.5E6	0.158	0.195
23)	A Methoxychlor	10.437	12.970	63265331	118.5E6	0.185	0.187m
24)	Mirex	10.595	13.319	97921450	185.6E6	0.164	0.220 #
25)	B Endrin Ke...	11.203	13.365	123.5E6	252.5E6	0.154	0.204 #
	Sum Toxaphene			0	0	N.D.	N.D.
Average	Toxaphene					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

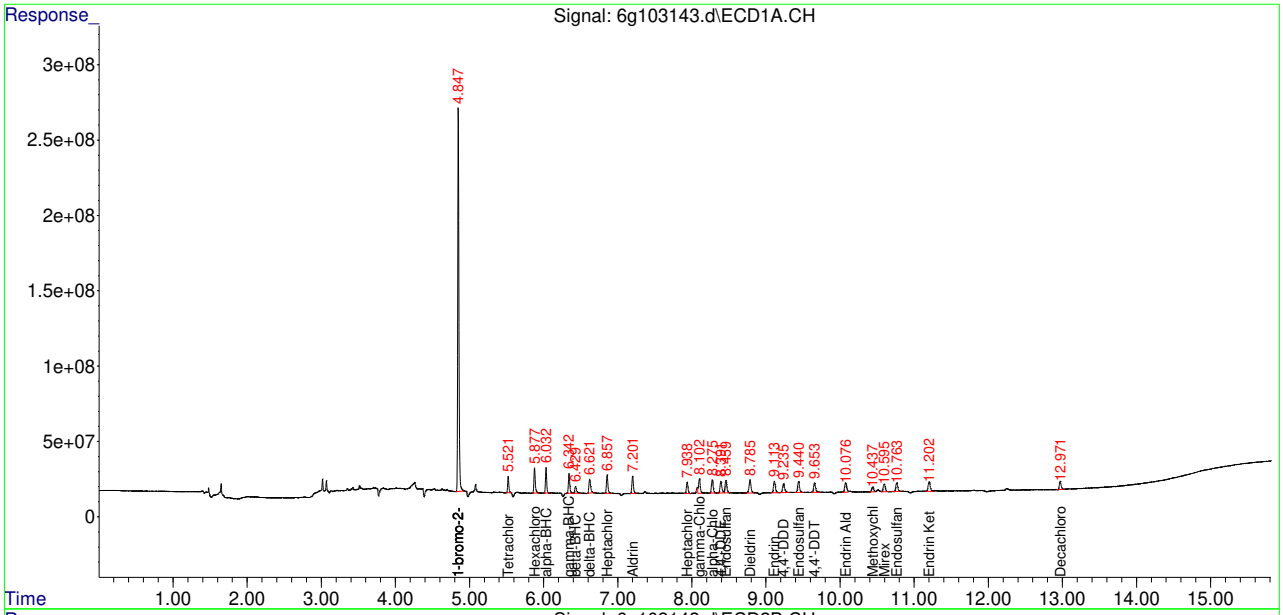
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

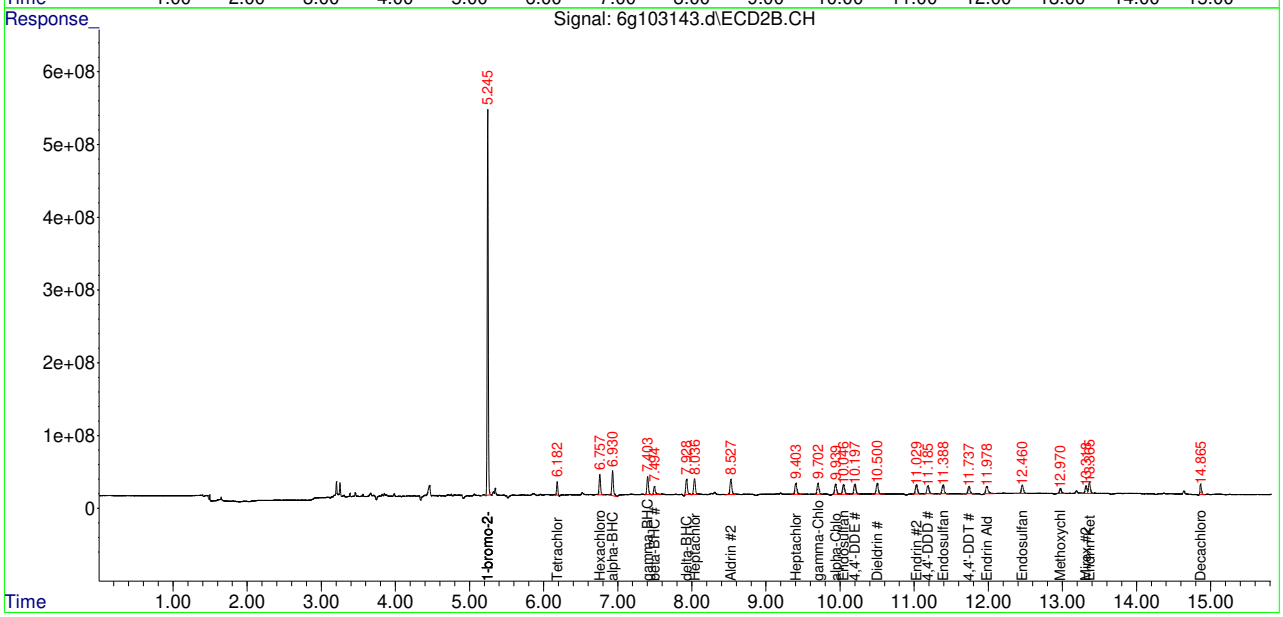
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103143.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:36 pm
Operator : rebeccak
Sample : ic3879-0.2
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 7 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:11:14 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





Manual Integration Approval Summary

Sample Number: G6G3879-IC3879
Lab FileID: 6G103143.D
Injection Time: 12/06/24 12:36
Method: SW846 8081B
Analyst approved: 12/08/24 21:53 Rebecca Krug
Supervisor approved: 12/09/24 11:00 Rebecca Krug

Parameter	CAS	Sig#	R.T. (min.)	Reason
Tetrachloro-m-xylene	877-09-8	1	5.52	Poorly defined baseline
Tetrachloro-m-xylene	877-09-8	2	6.18	Poorly defined baseline
gamma-BHC (Lindane)	58-89-9	1	6.34	Poorly defined baseline
beta-BHC	319-85-7	1	6.43	Poorly defined baseline
delta-BHC	319-86-8	2	7.93	Poorly defined baseline
Heptachlor	76-44-8	2	8.04	Poorly defined baseline
Dieldrin	60-57-1	1	8.78	Poorly defined baseline
gamma-Chlordane	5103-74-2	2	9.70	Poorly defined baseline
alpha-Chlordane	5103-71-9	2	9.94	Poorly defined baseline
Endosulfan-I	959-98-8	2	10.05	Poorly defined baseline
Endrin aldehyde	7421-93-4	1	10.08	Poorly defined baseline
Endrin	72-20-8	2	11.03	Poorly defined baseline
Endrin aldehyde	7421-93-4	2	11.98	Poorly defined baseline
Methoxychlor	72-43-5	2	12.97	Poorly defined baseline
Decachlorobiphenyl	2051-24-3	2	14.87	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103143.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:36 pm
Operator : rebeccak
Sample : ic3879-0.2
Misc : op59754,g6g3879,5.0,,,10,1
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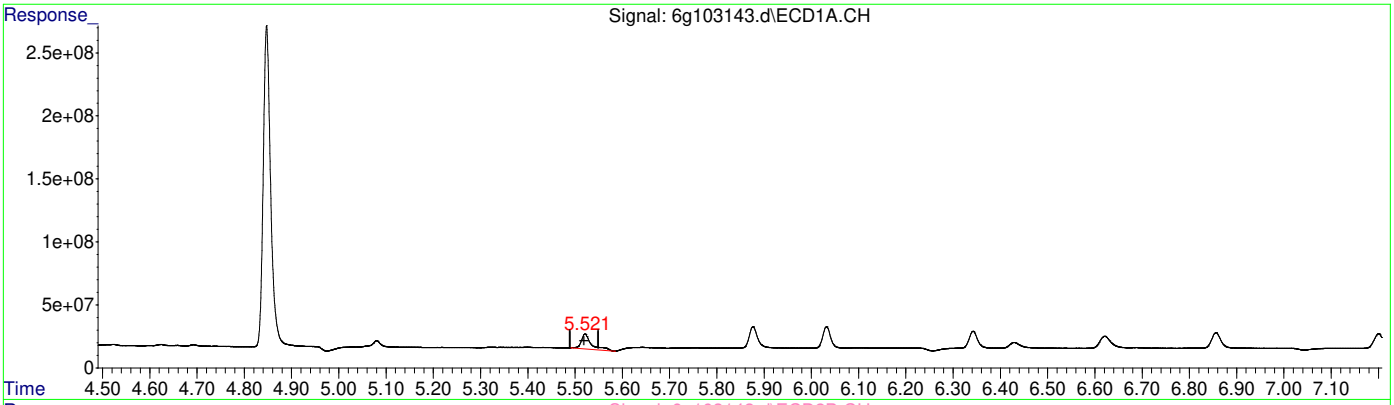
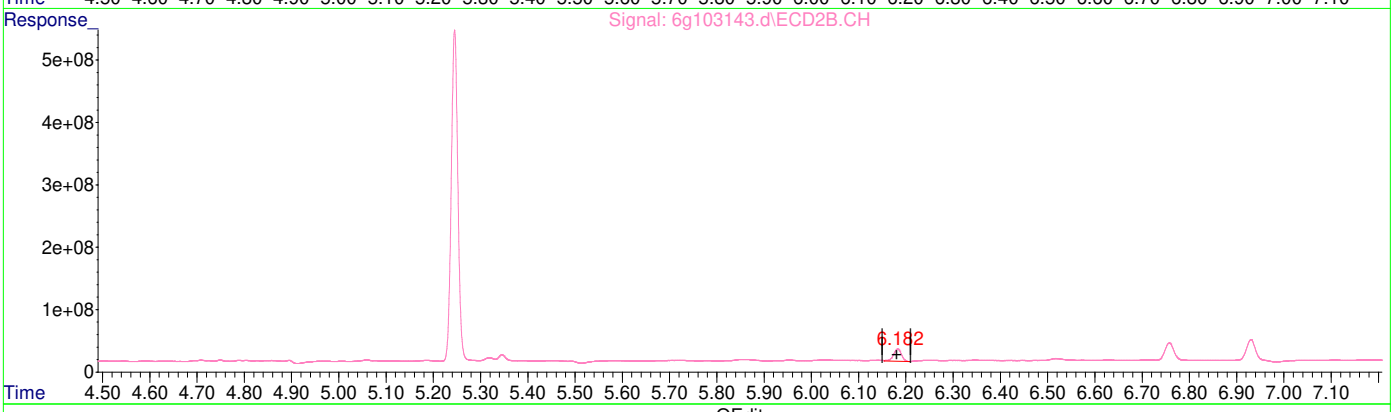
Quant Time: Dec 06 18:07:16 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(2) Tetrachloro-m-xylene (SAB)

5.521min 0.286 PPB

response 177373156

(2) Tetrachloro-m-xylene #2 (SAB)

6.183min 0.214 PPB

response 234050039

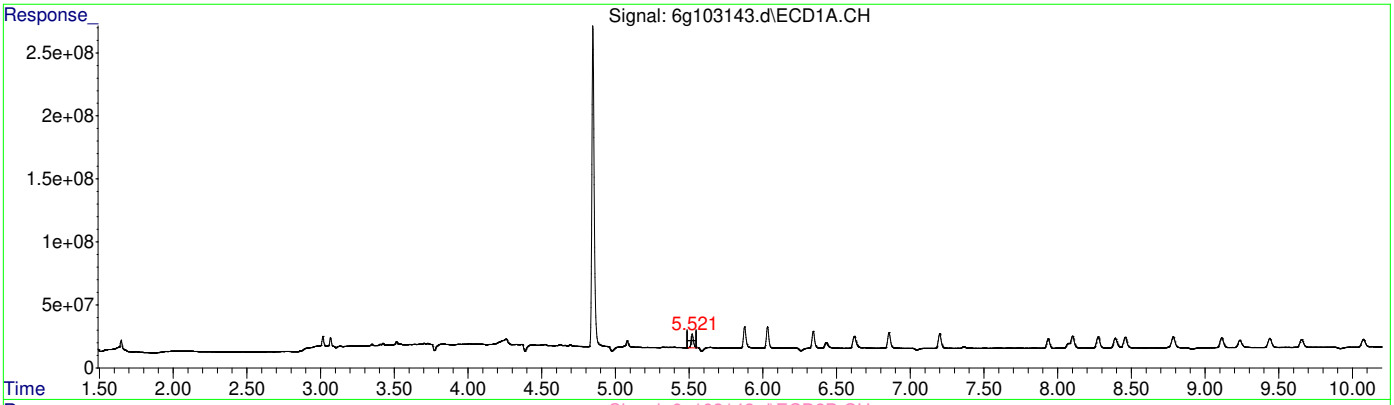
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:07:37 2024

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103143.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:36 pm
Operator : rebeccak
Sample : ic3879-0.2
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 7 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:07:16 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



QEdit

(2) Tetrachloro-m-xylene (SAB)

5.521min 0.195 PPB m

response 121072540

(2) Tetrachloro-m-xylene #2 (SAB)

6.182min 0.184 PPB m

response 200999469

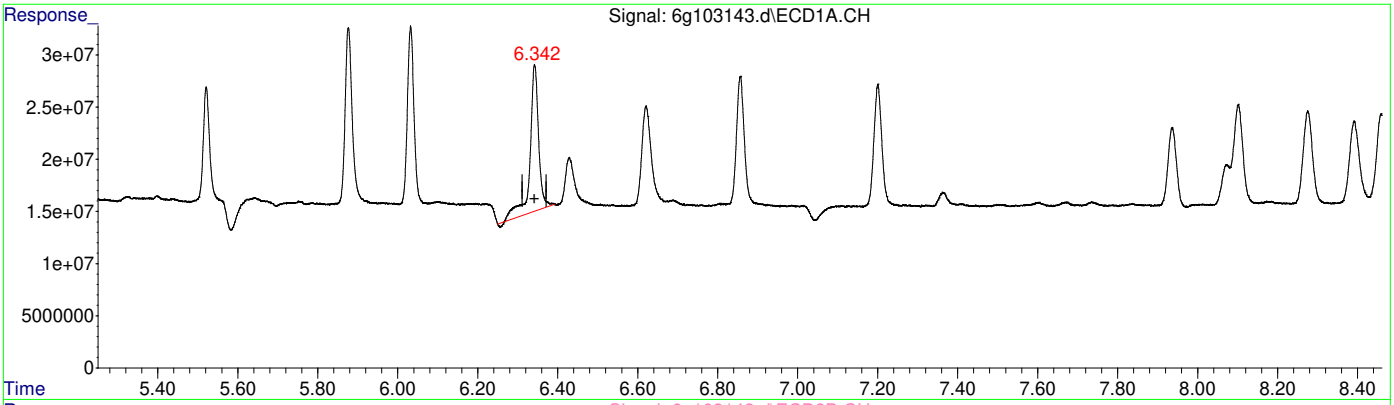
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:07:54 2024

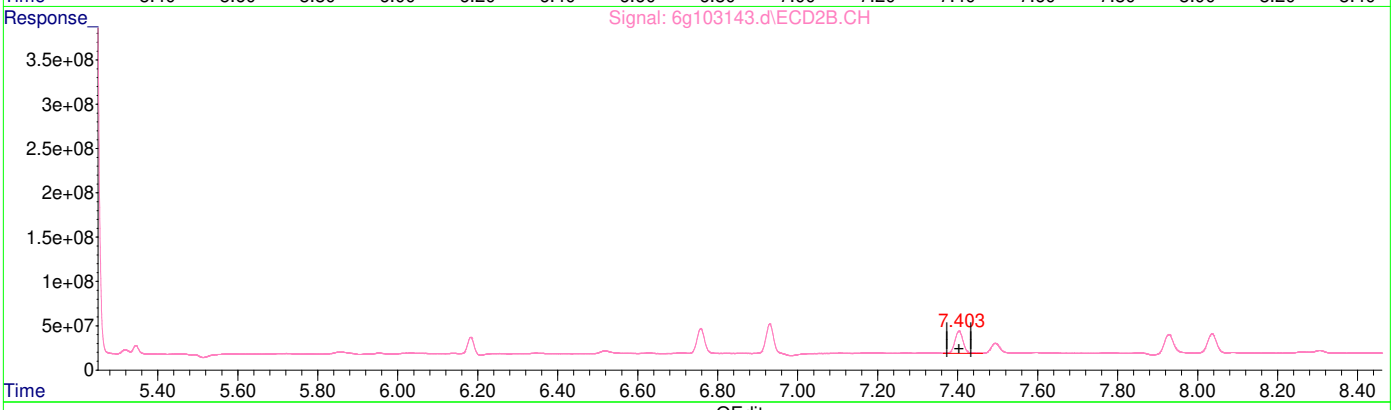
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103143.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:36 pm
Operator : rebeccak
Sample : ic3879-0.2
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 7 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:07:16 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(5) gamma-BHC (MA)

6.342min 0.230 PPB

response 211437925

(5) gamma-BHC #2 (MA)

7.404min 0.194 PPB

response 353415266

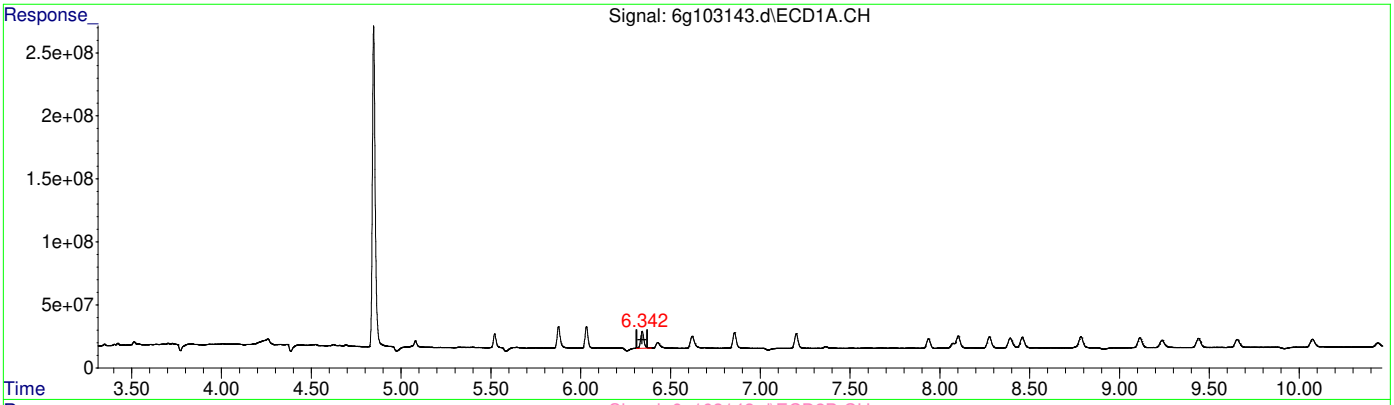
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:08:01 2024

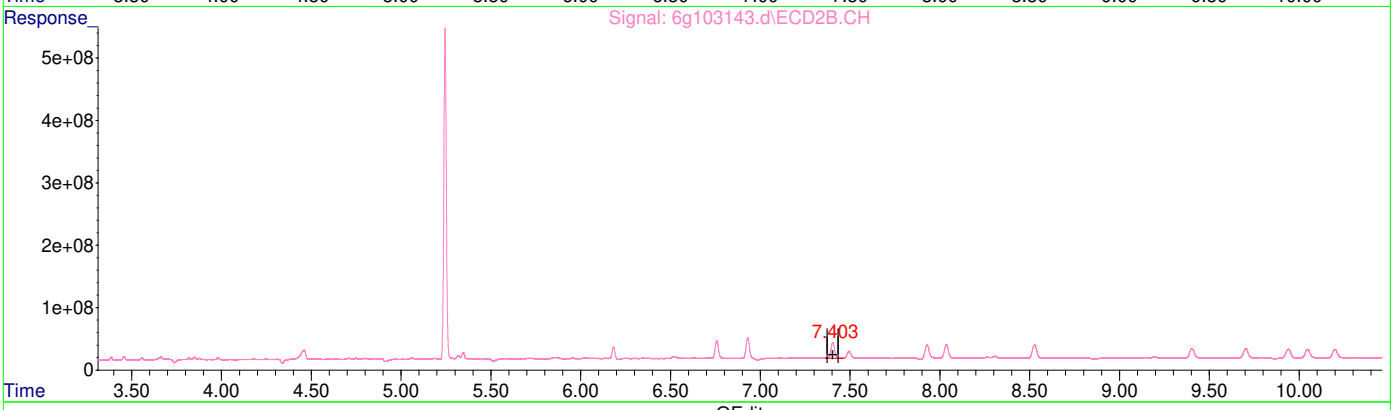
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103143.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:36 pm
Operator : rebeccak
Sample : ic3879-0.2
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 7 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:07:16 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(5) gamma-BHC (MA)

6.342min 0.182 PPB m

response 167707494

(5) gamma-BHC #2 (MA)

7.404min 0.194 PPB

response 353415266

(+) = Expected Retention Time

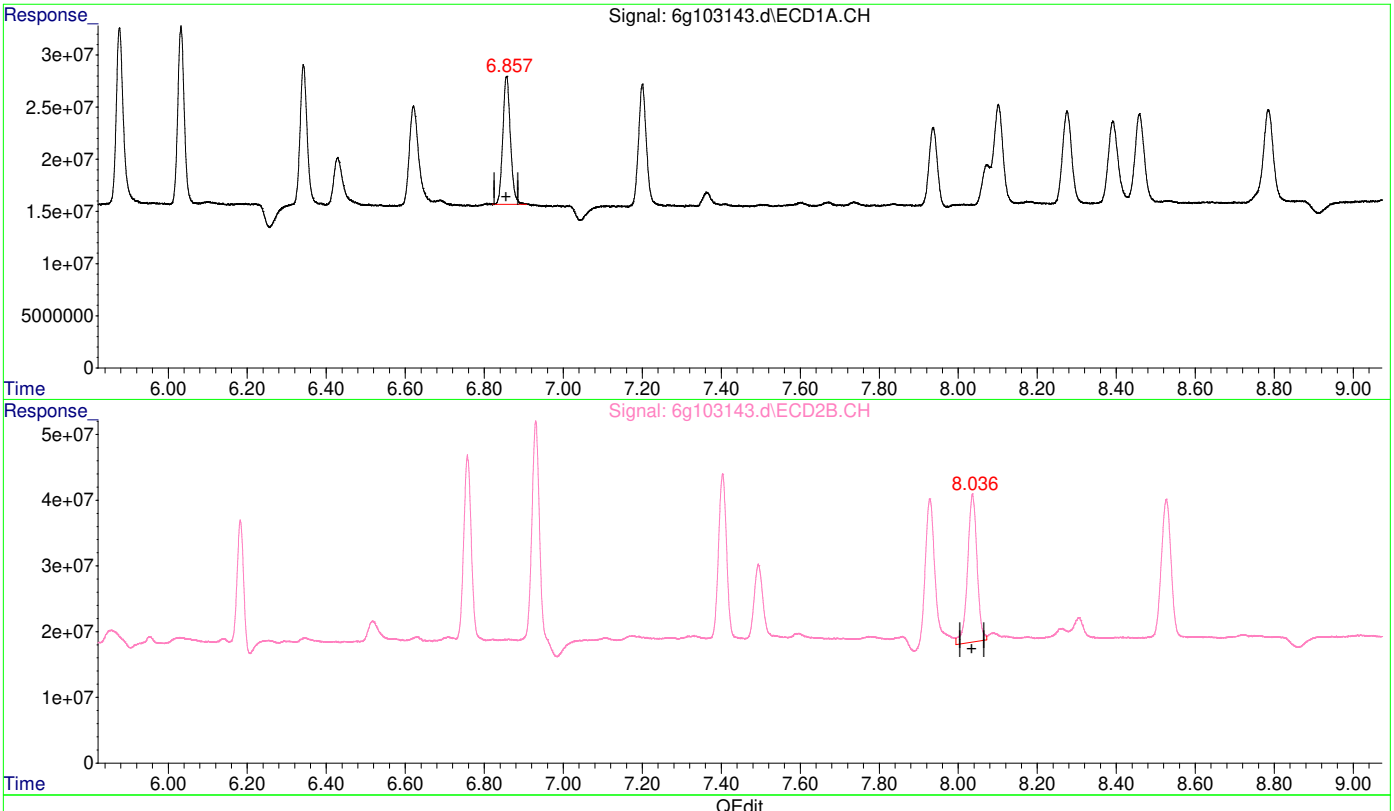
6PSTLVI3879a.M Fri Dec 06 18:08:11 2024

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103143.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:36 pm
Operator : rebeccak
Sample : ic3879-0.2
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 7 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:07:16 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



QEdit

(6) Heptachlor (MA)

6.857min 0.188 PPB

response 164223057

(6) Heptachlor #2 (MA)

8.036min 0.219 PPB

response 375830632

(+) = Expected Retention Time

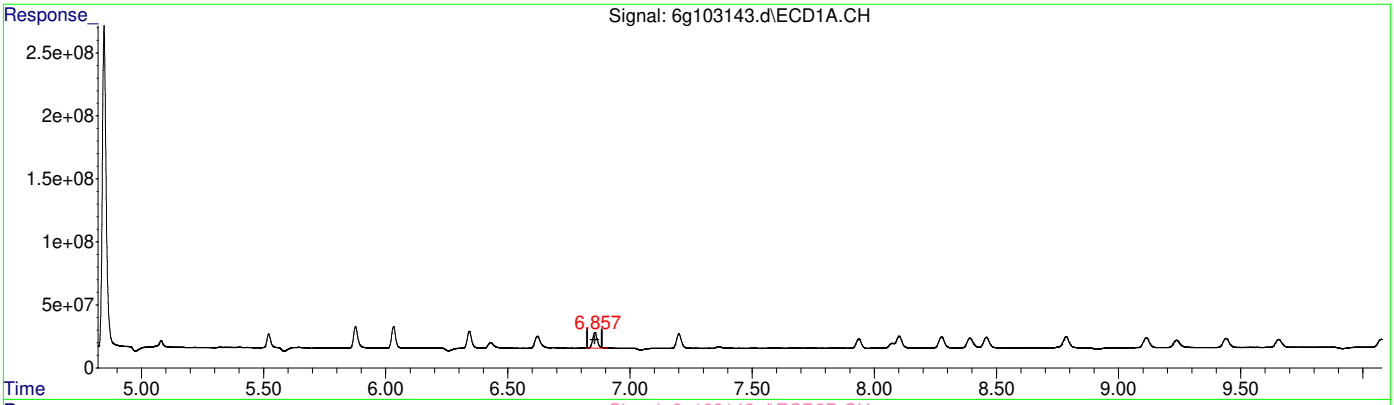
6PSTLVI3879a.M Fri Dec 06 18:08:16 2024

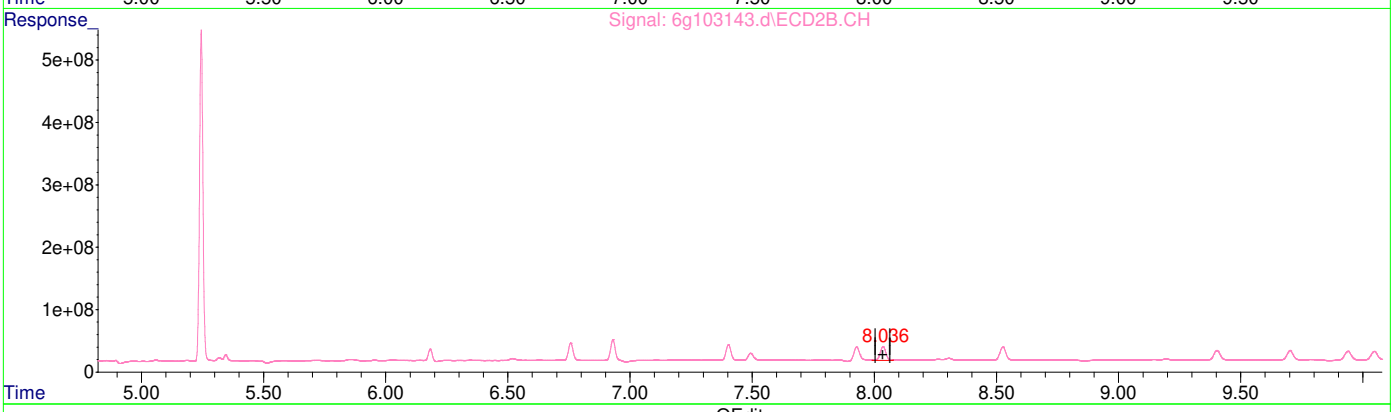
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103143.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:36 pm
Operator : rebeccak
Sample : ic3879-0.2
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 7 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:07:16 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(6) Heptachlor (MA)

6.857min 0.188 PPB

response 164223057

(6) Heptachlor #2 (MA)

8.036min 0.208 PPB m

response 357125113

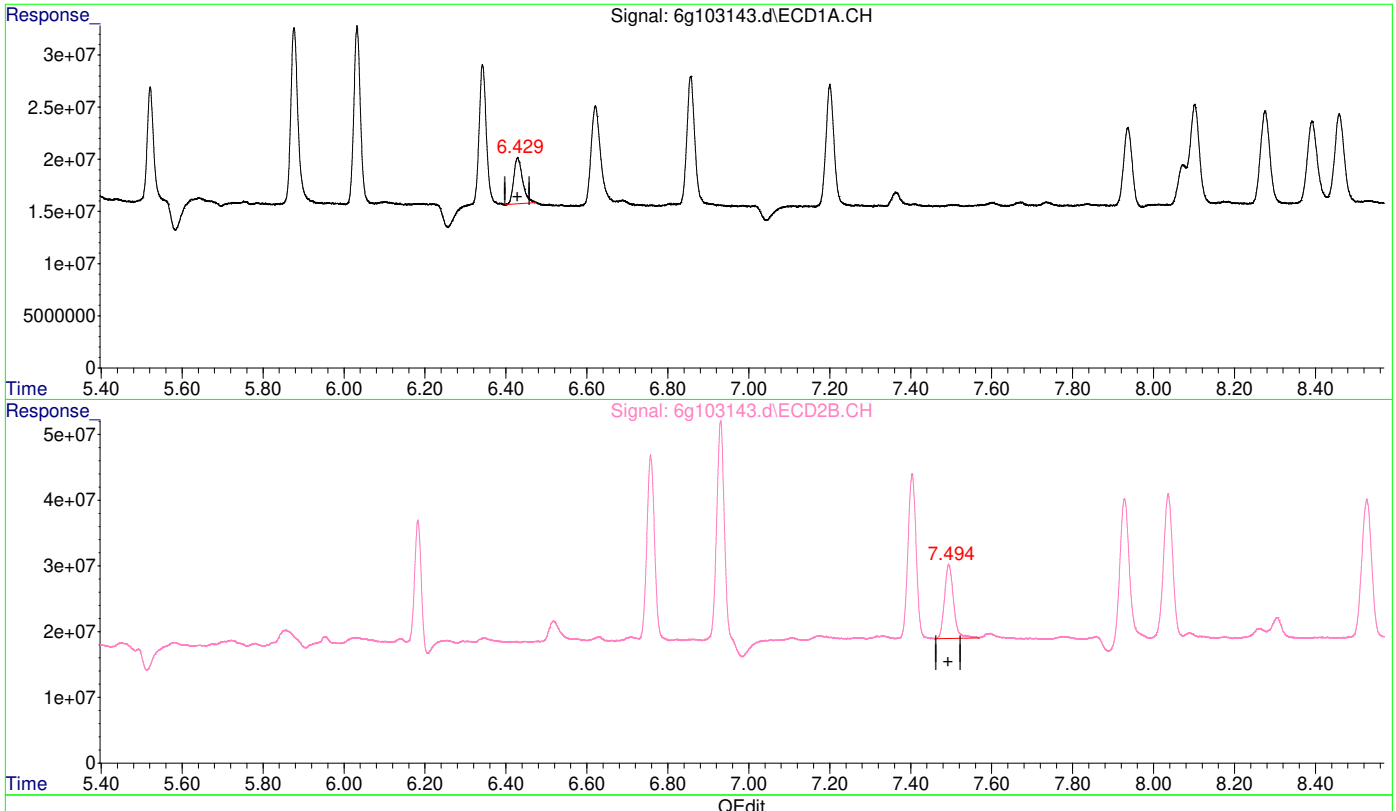
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:08:31 2024

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103143.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:36 pm
Operator : rebeccak
Sample : ic3879-0.2
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 7 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:07:16 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



(7) beta-BHC (B)

6.429min 0.169 PPB

response 66890617

(7) beta-BHC #2 (B)

7.494min 0.217 PPB

response 176396575

(+) = Expected Retention Time

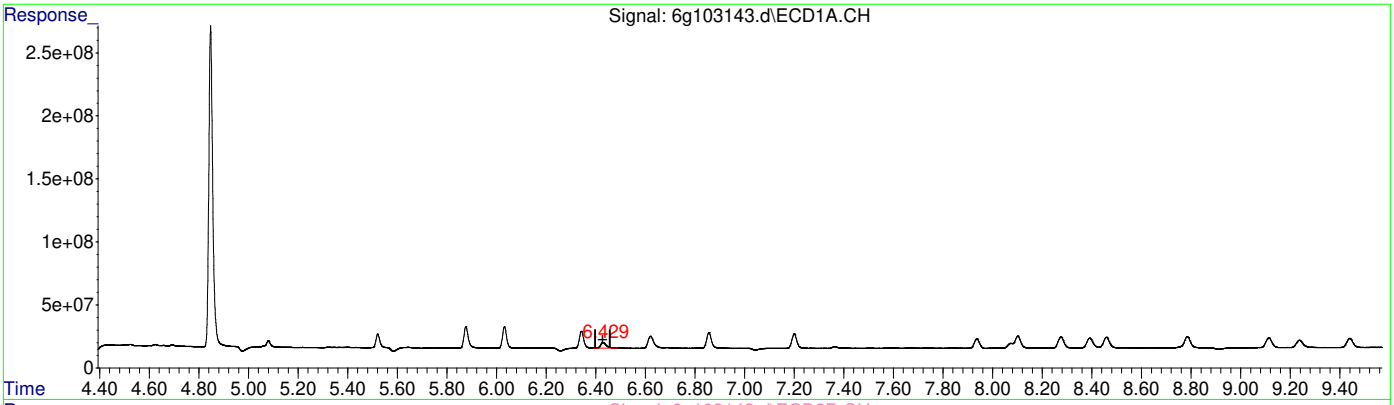
6PSTLVI3879a.M Fri Dec 06 18:08:36 2024

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103143.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:36 pm
Operator : rebeccak
Sample : ic3879-0.2
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 7 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:07:16 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



(7) beta-BHC (B)

6.429min 0.188 PPB m

response 74095244

(7) beta-BHC #2 (B)

7.494min 0.217 PPB

response 176396575

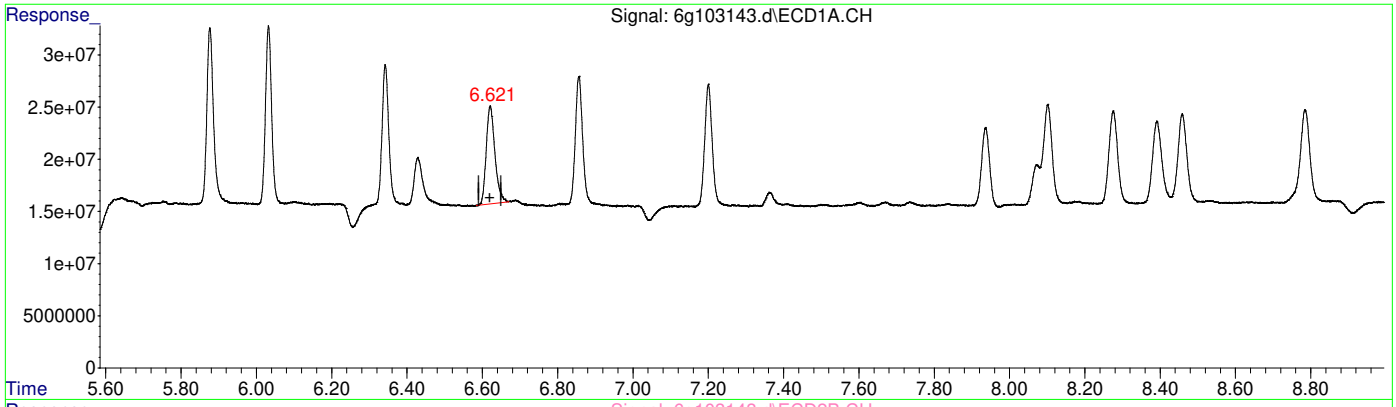
(+) = Expected Retention Time

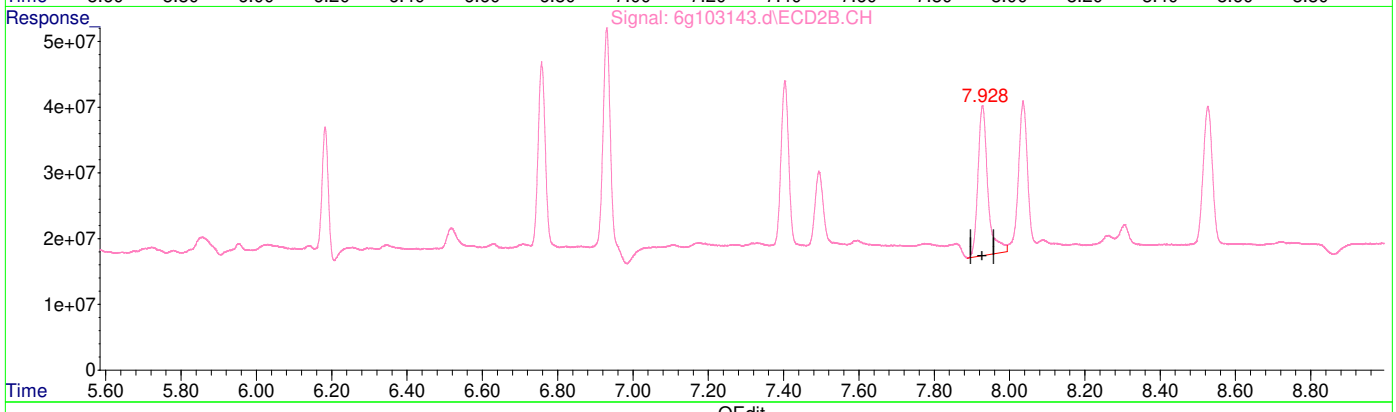
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103143.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:36 pm
Operator : rebeccak
Sample : ic3879-0.2
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 7 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:07:16 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(8) delta-BHC (B)

6.621min 0.166 PPB

response 150450594

(8) delta-BHC #2 (B)

7.928min 0.224 PPB

response 415880586

(+) = Expected Retention Time

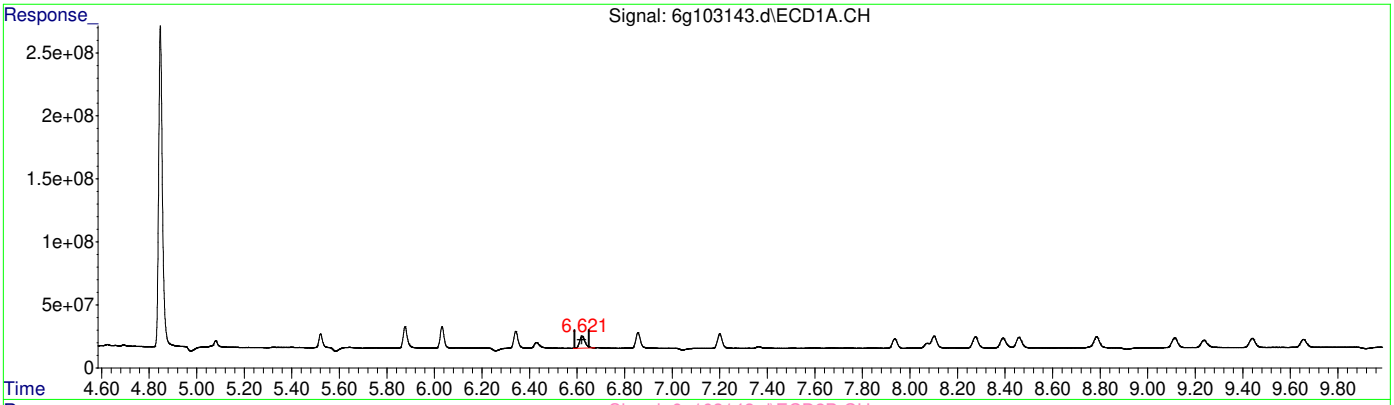
6PSTLVI3879a.M Fri Dec 06 18:08:50 2024

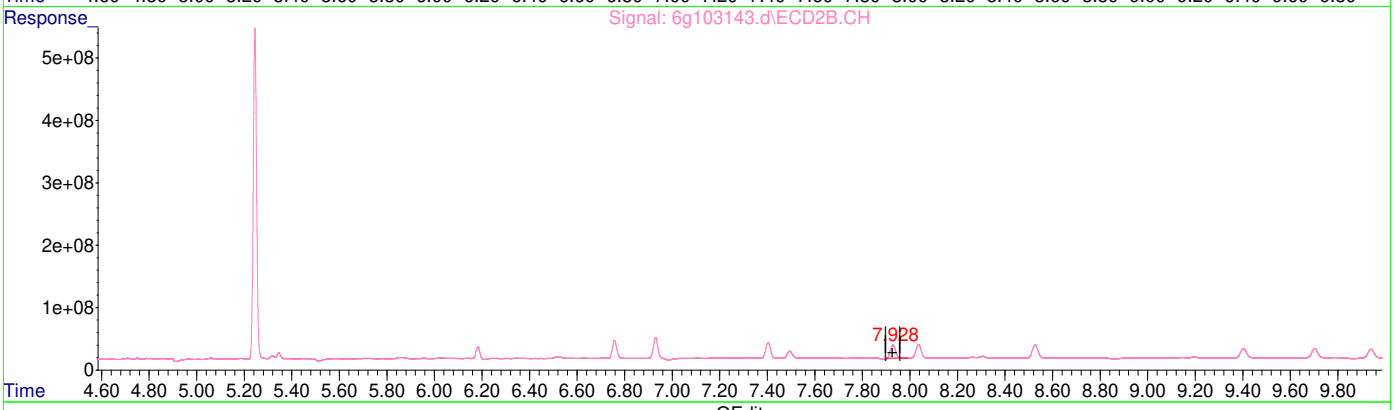
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103143.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:36 pm
Operator : rebeccak
Sample : ic3879-0.2
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 7 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:07:16 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(8) delta-BHC (B)

6.621min 0.166 PPB

response 150450594

(8) delta-BHC #2 (B)

7.928min 0.179 PPB m

response 332296498

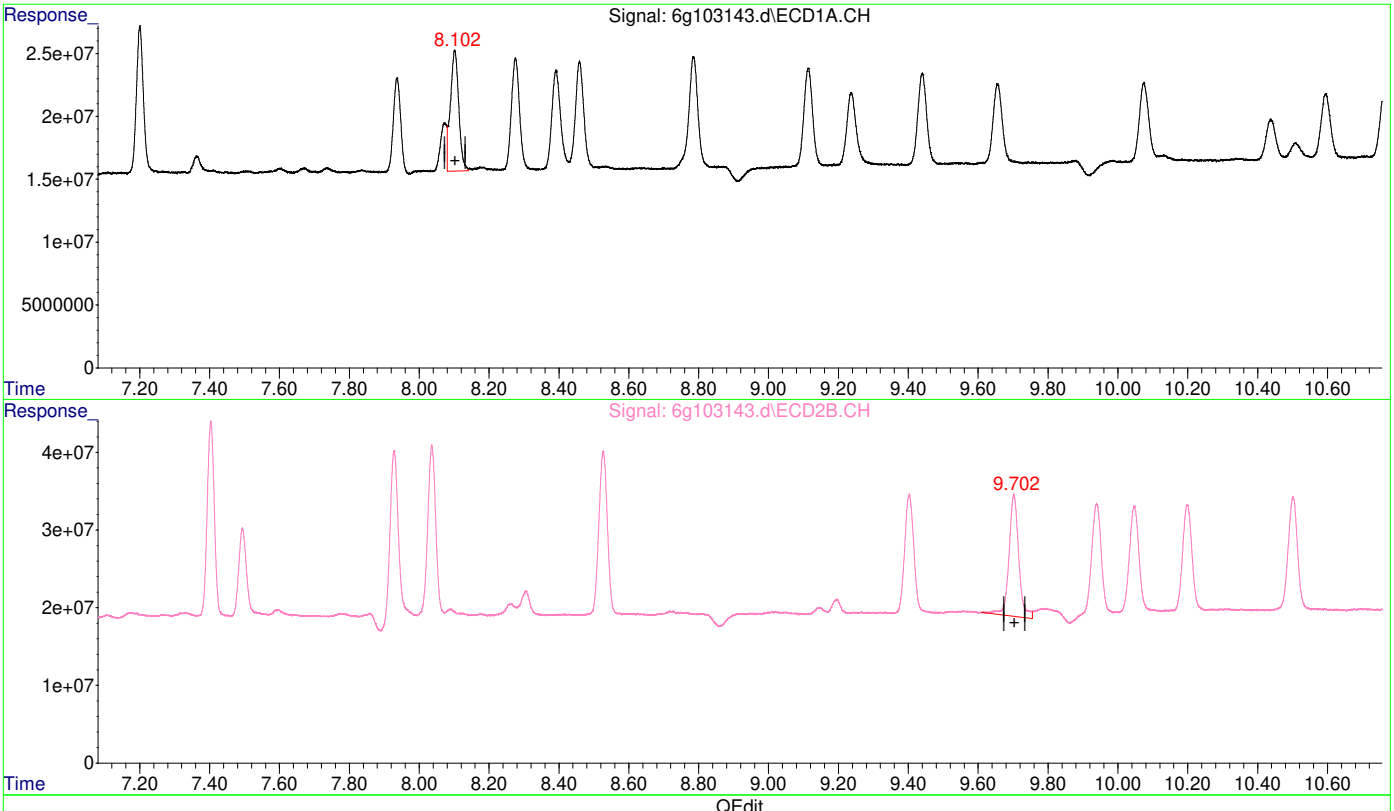
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103143.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:36 pm
Operator : rebeccak
Sample : ic3879-0.2
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 7 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:07:16 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



QEdit

(12) gamma-Chlordane (B)

8.102min 0.178 PPB

response 159672303

(12) gamma-Chlordane #2 (B)

9.702min 0.196 PPB

response 304090090

(+) = Expected Retention Time

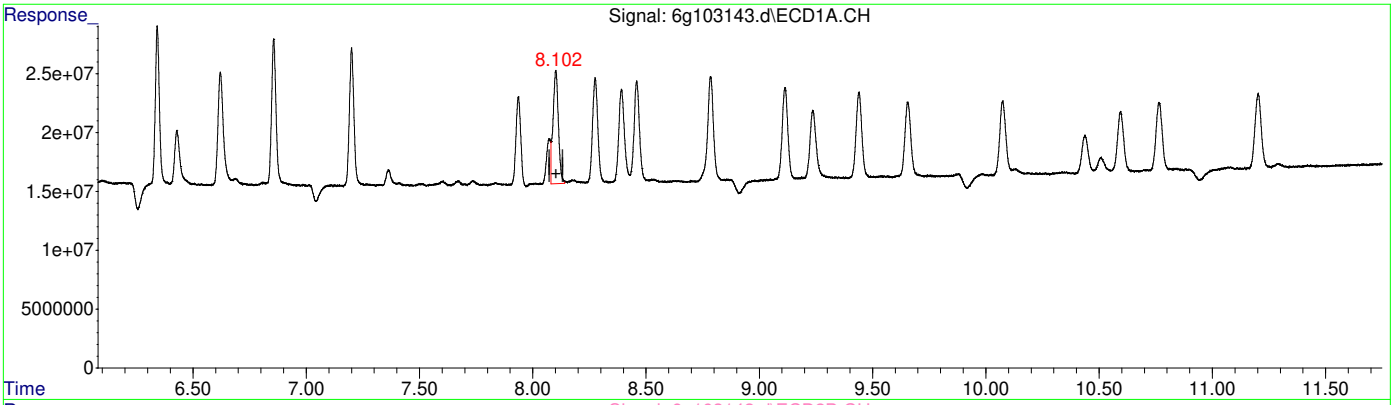
6PSTLVI3879a.M Fri Dec 06 18:09:28 2024

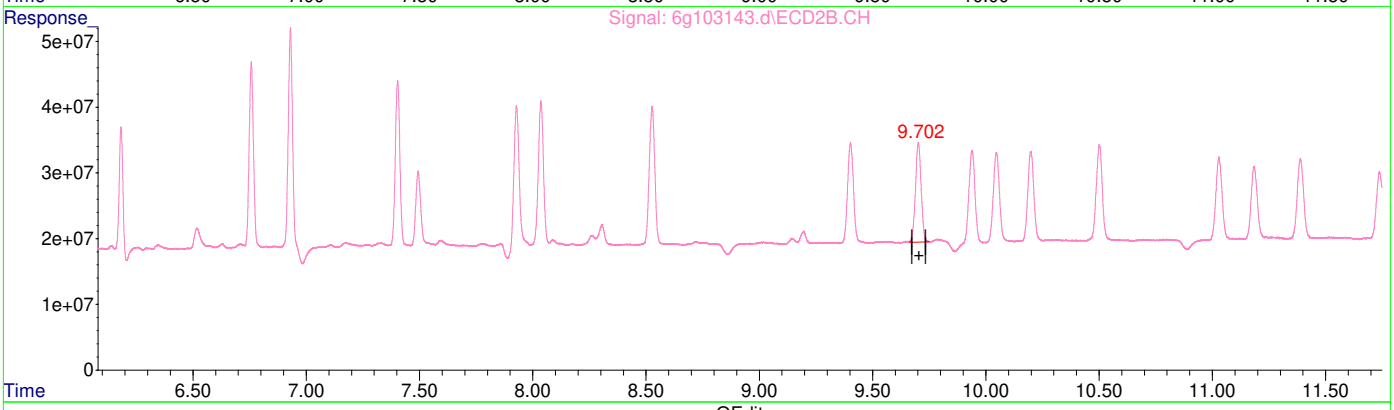
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103143.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:36 pm
Operator : rebeccak
Sample : ic3879-0.2
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 7 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:07:16 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(12) gamma-Chlordane (B)

8.102min 0.178 PPB

response 159672303

(12) gamma-Chlordane #2 (B)

9.702min 0.169 PPB m

response 262697979

(+) = Expected Retention Time

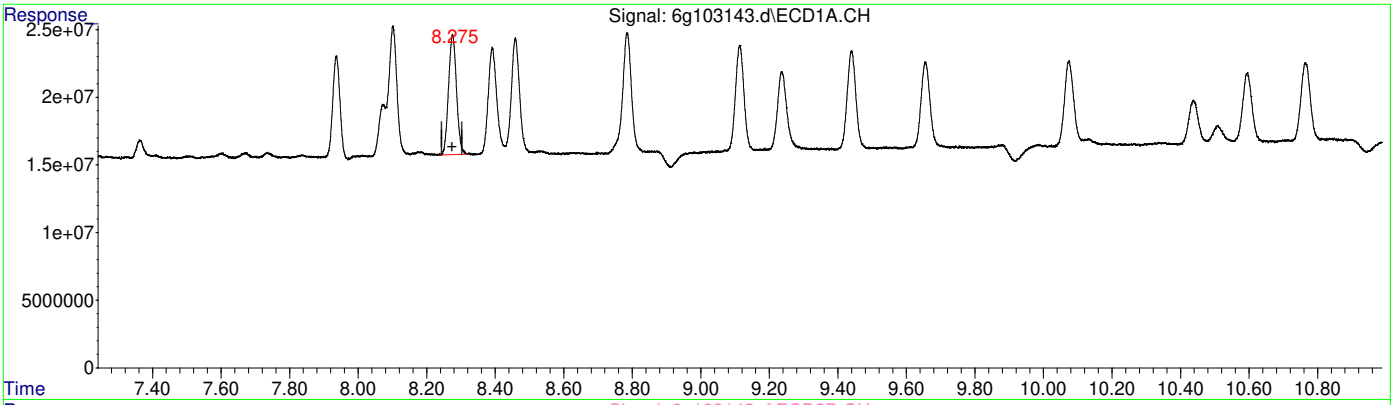
6PSTLVI3879a.M Fri Dec 06 18:09:37 2024 Page: 1

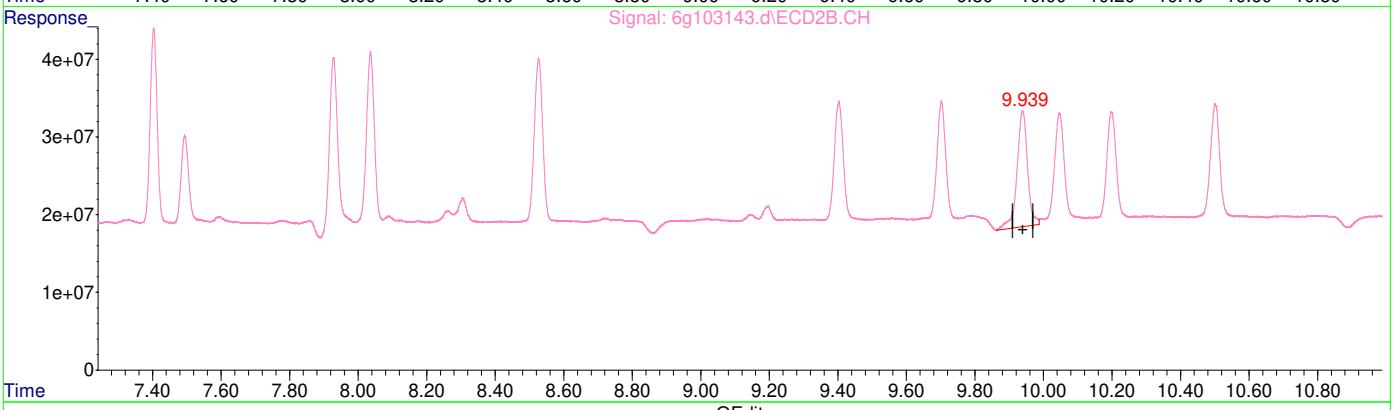
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103143.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:36 pm
Operator : rebeccak
Sample : ic3879-0.2
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 7 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:07:16 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(13) alpha-Chlordane (B)

8.276min 0.176 PPB

response 143215054

(13) alpha-Chlordane #2 (B)

9.939min 0.207 PPB

response 319575987

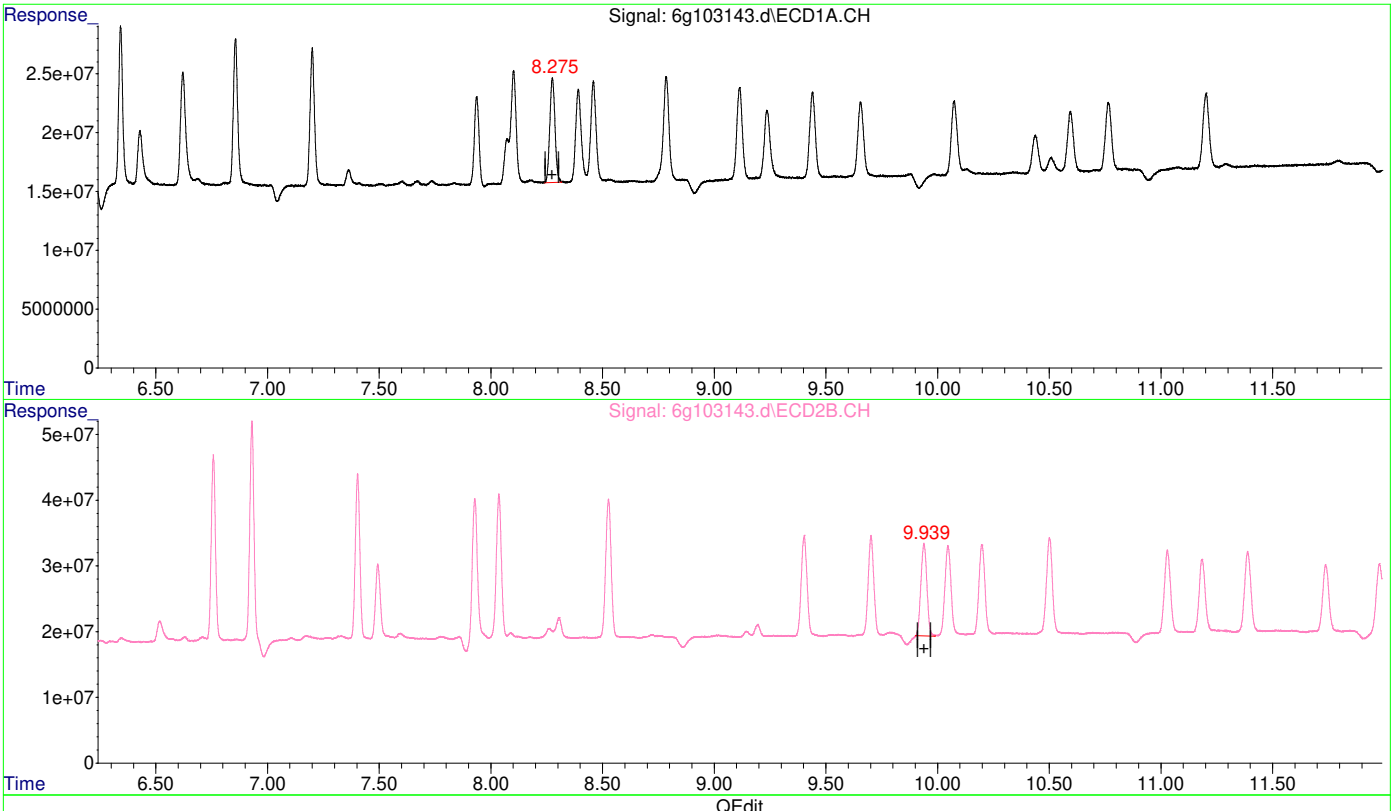
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:09:40 2024

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103143.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:36 pm
Operator : rebeccak
Sample : ic3879-0.2
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 7 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:07:16 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



QEdit

(13) alpha-Chlordane (B)

8.276min 0.176 PPB

response 143215054

(13) alpha-Chlordane #2 (B)

9.939min 0.170 PPB m

response 263196523

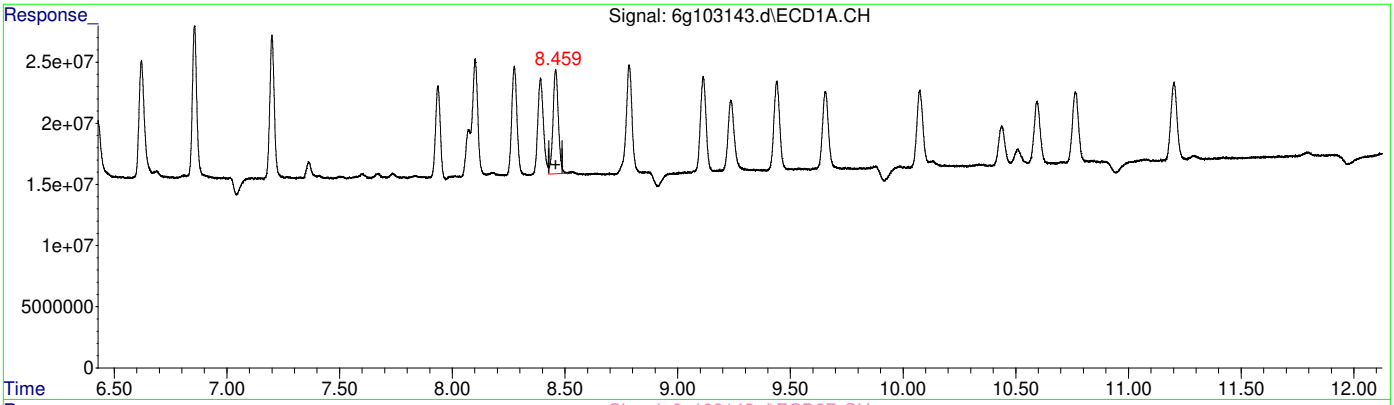
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:09:50 2024

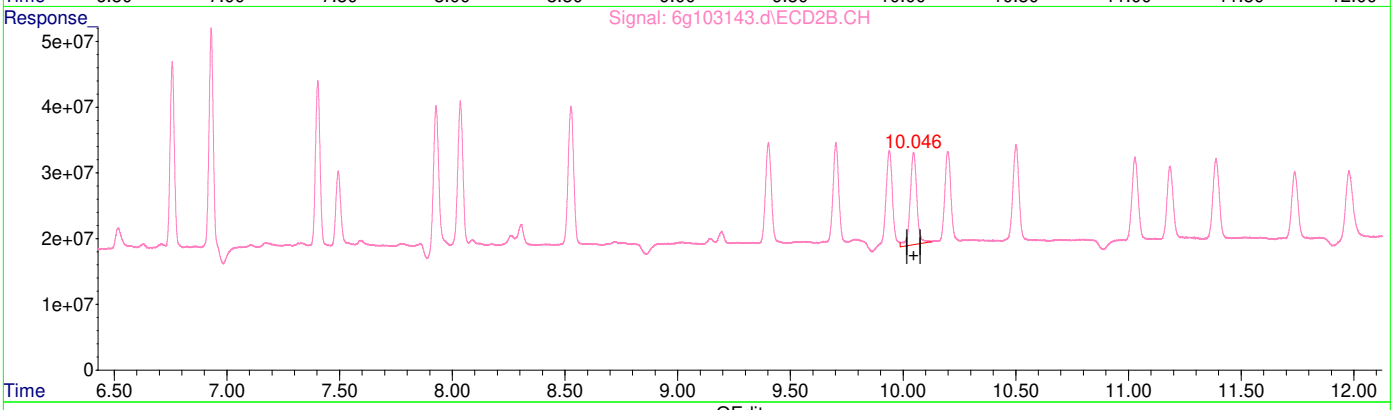
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103143.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:36 pm
Operator : rebeccak
Sample : ic3879-0.2
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 7 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:07:16 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(14) Endosulfan I (A)

8.459min 0.183 PPB

response 140678483

(14) Endosulfan I #2 (A)

10.047min 0.203 PPB

response 287610002

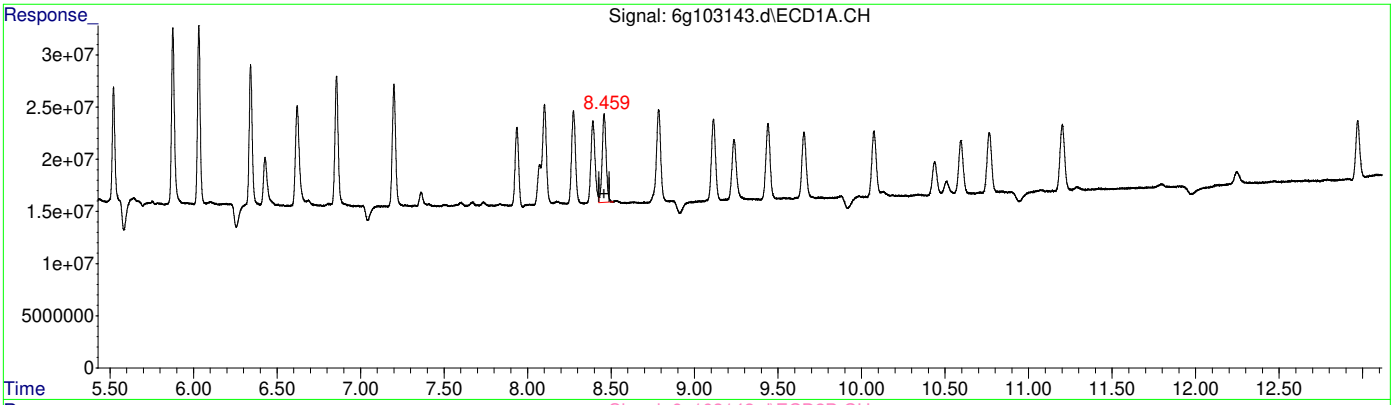
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:09:57 2024

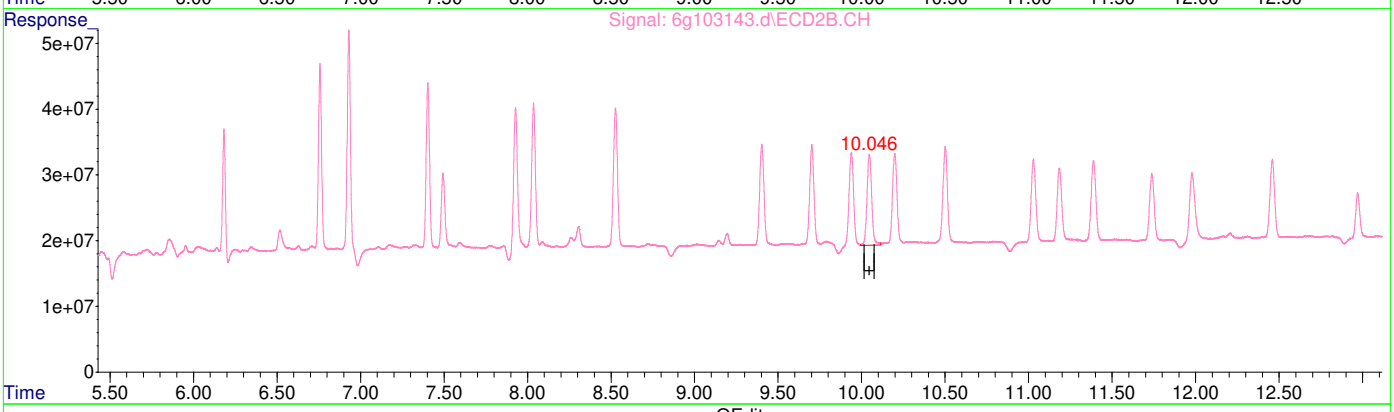
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103143.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:36 pm
Operator : rebeccak
Sample : ic3879-0.2
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 7 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:07:16 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(14) Endosulfan I (A)

8.459min 0.183 PPB

response 140678483

(14) Endosulfan I #2 (A)

10.046min 0.192 PPB m

response 272255529

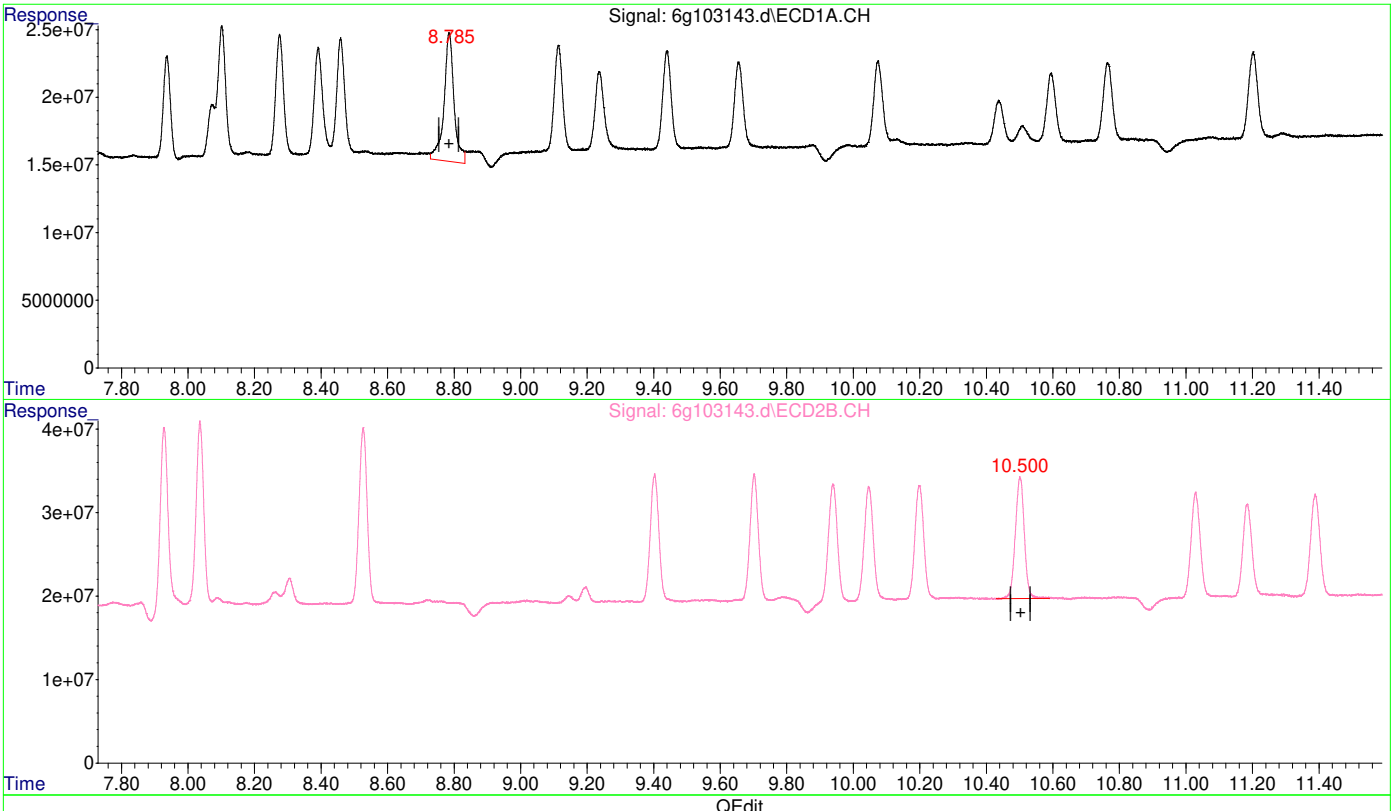
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103143.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:36 pm
Operator : rebeccak
Sample : ic3879-0.2
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 7 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:07:16 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



(16) Dieldrin (MA)

8.785min 0.234 PPB

response 198860918

(16) Dieldrin #2 (MA)

10.501min 0.180 PPB

response 274201137

(+) = Expected Retention Time

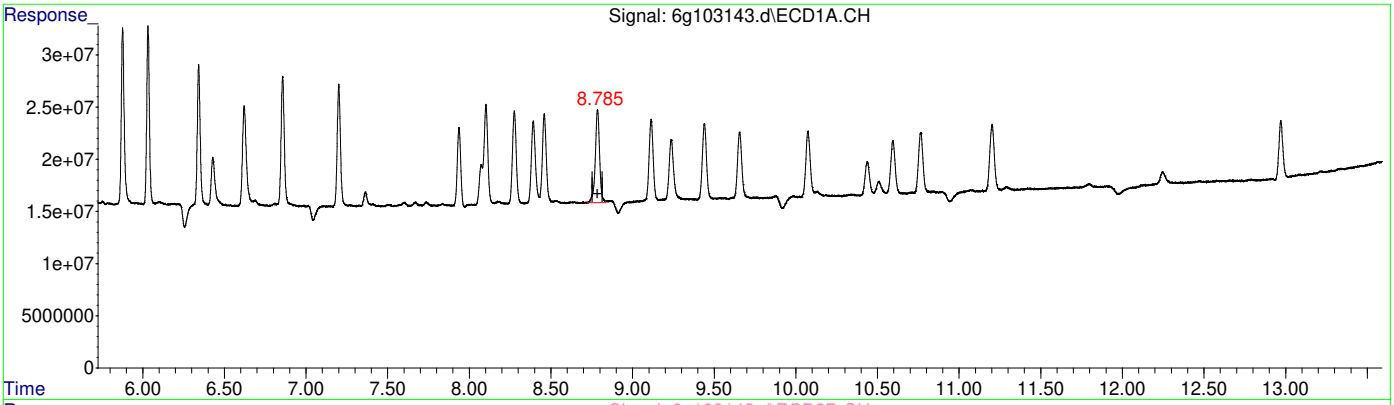
6PSTLVI3879a.M Fri Dec 06 18:10:09 2024

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103143.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:36 pm
Operator : rebeccak
Sample : ic3879-0.2
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 7 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:07:16 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



(16) Dieldrin (MA)

8.785min 0.193 PPB m

response 164108820

(16) Dieldrin #2 (MA)

10.501min 0.180 PPB

response 274201137

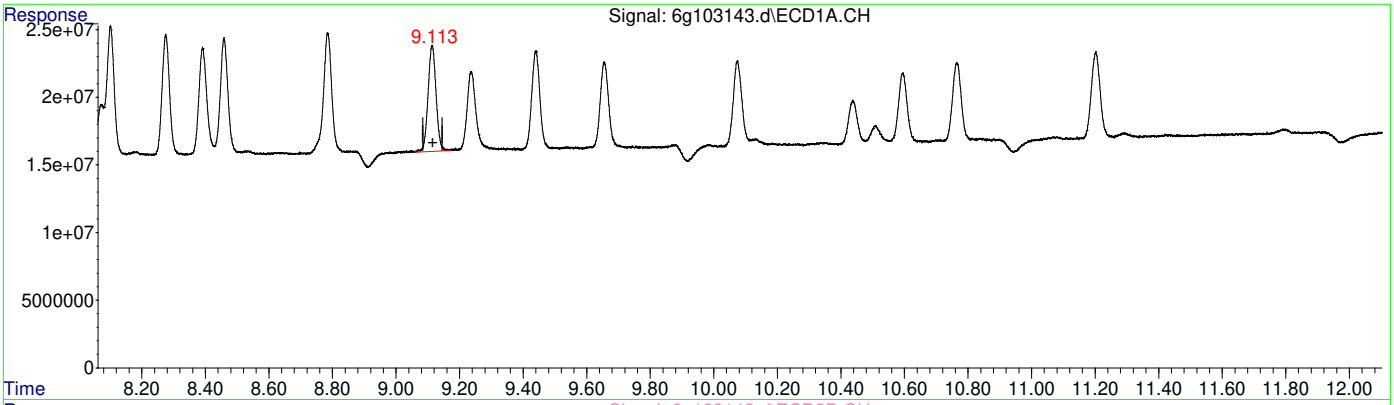
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:10:19 2024

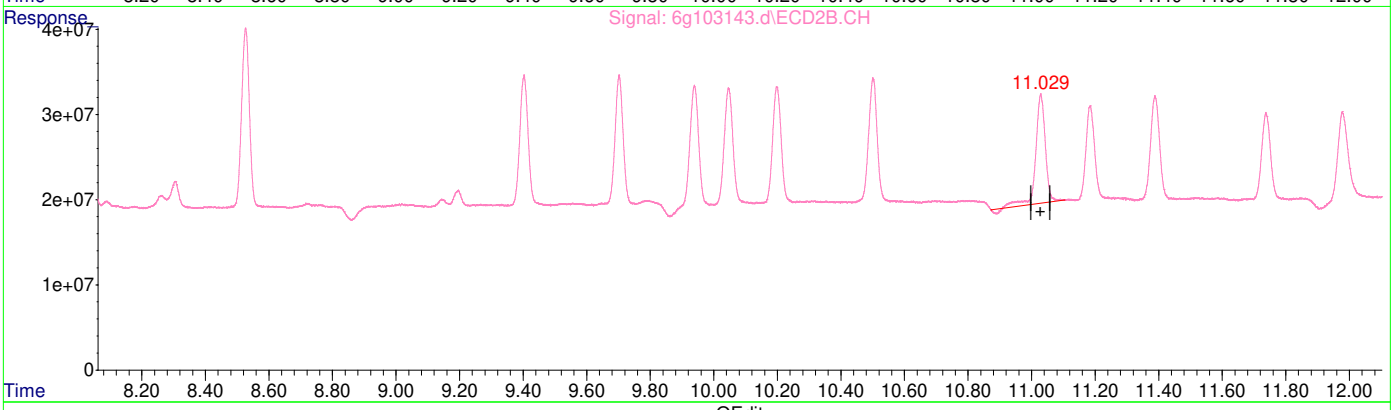
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103143.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:36 pm
Operator : rebeccak
Sample : ic3879-0.2
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 7 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:07:16 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(17) Endrin (MA)

9.114min 0.188 PPB

response 137725574

(17) Endrin #2 (MA)

11.029min 0.223 PPB

response 268778021

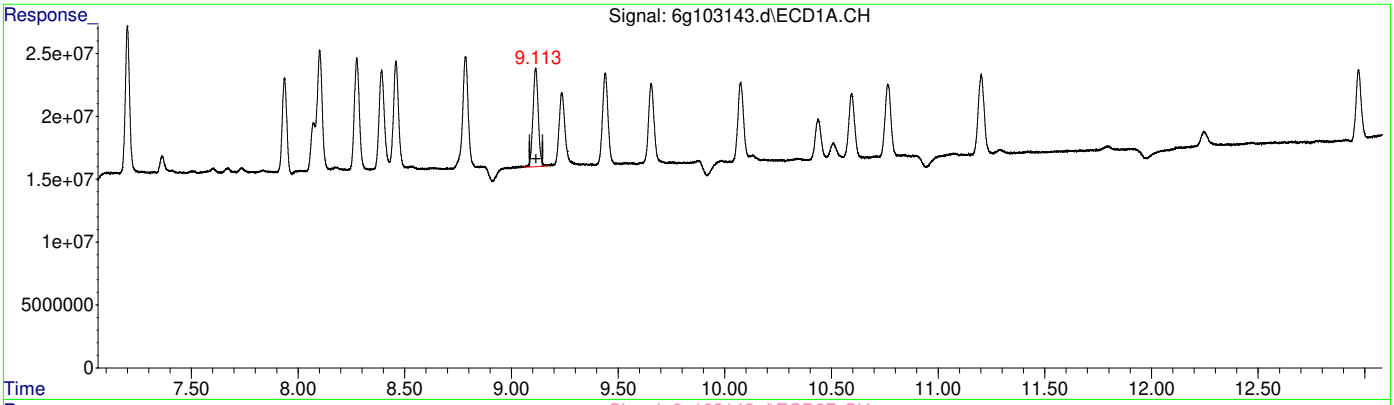
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:10:23 2024

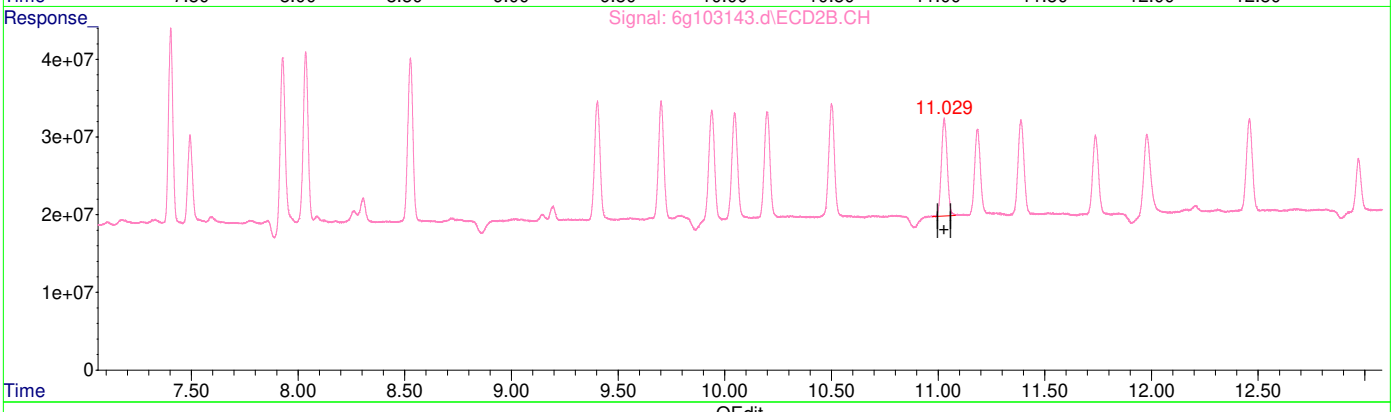
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103143.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:36 pm
Operator : rebeccak
Sample : ic3879-0.2
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 7 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:07:16 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(17) Endrin (MA)

9.114min 0.188 PPB

response 137725574

(17) Endrin #2 (MA)

11.029min 0.199 PPB m

response 239587441

(+) = Expected Retention Time

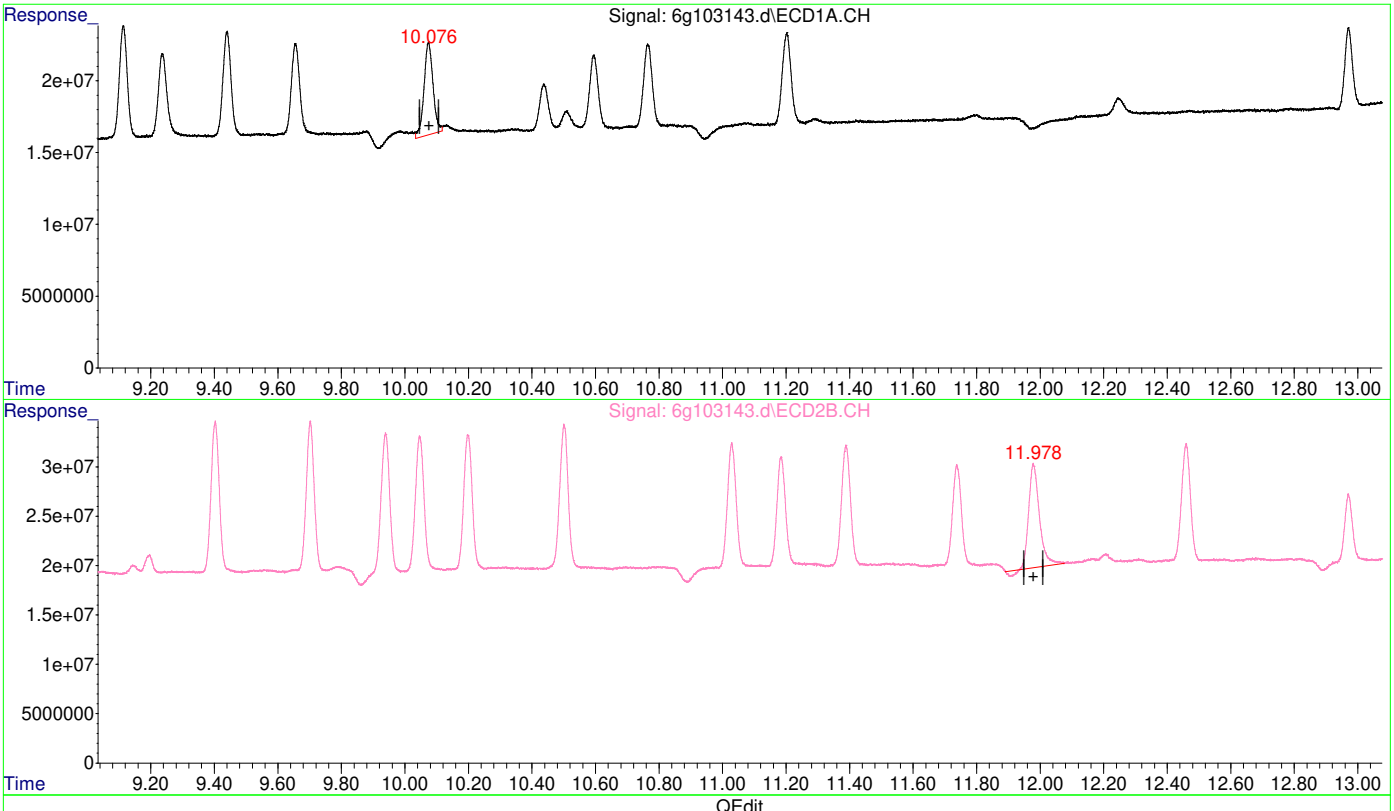
6PSTLVI3879a.M Fri Dec 06 18:10:30 2024

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103143.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:36 pm
Operator : rebeccak
Sample : ic3879-0.2
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 7 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:07:16 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



(21) Endrin Aldehyde (B)

10.075min 0.215 PPB

response 127197684

(21) Endrin Aldehyde #2 (B)

11.978min 0.216 PPB

response 241593614

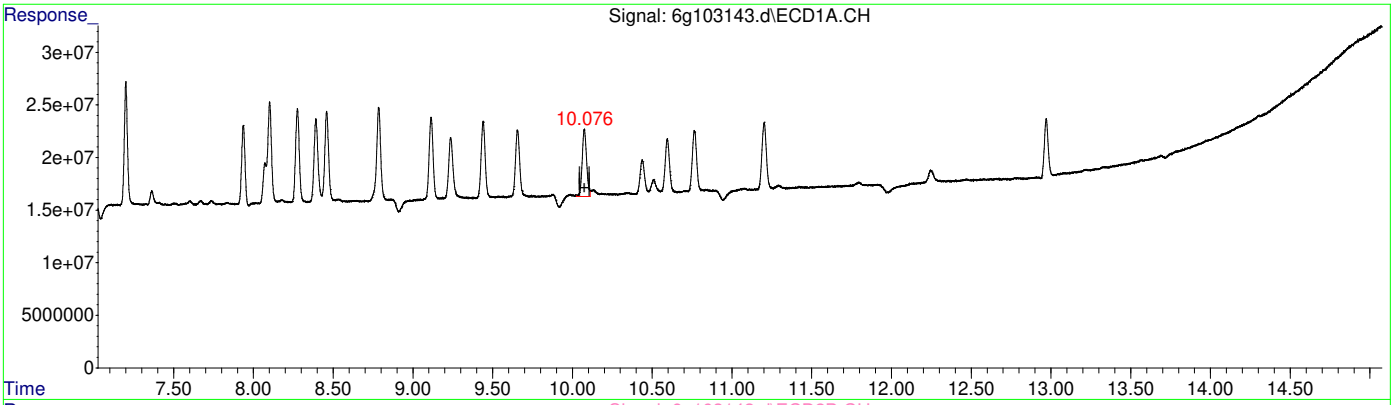
(+) = Expected Retention Time

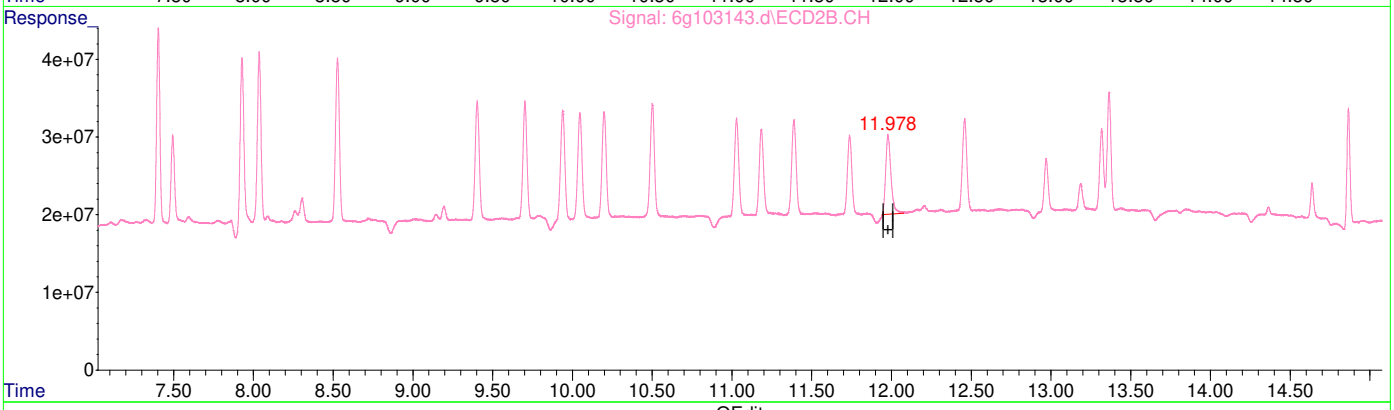
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103143.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:36 pm
Operator : rebeccak
Sample : ic3879-0.2
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 7 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:07:16 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(21) Endrin Aldehyde (B)

10.076min 0.208 PPB m

response 123043267

(21) Endrin Aldehyde #2 (B)

11.978min 0.209 PPB m

response 234477118

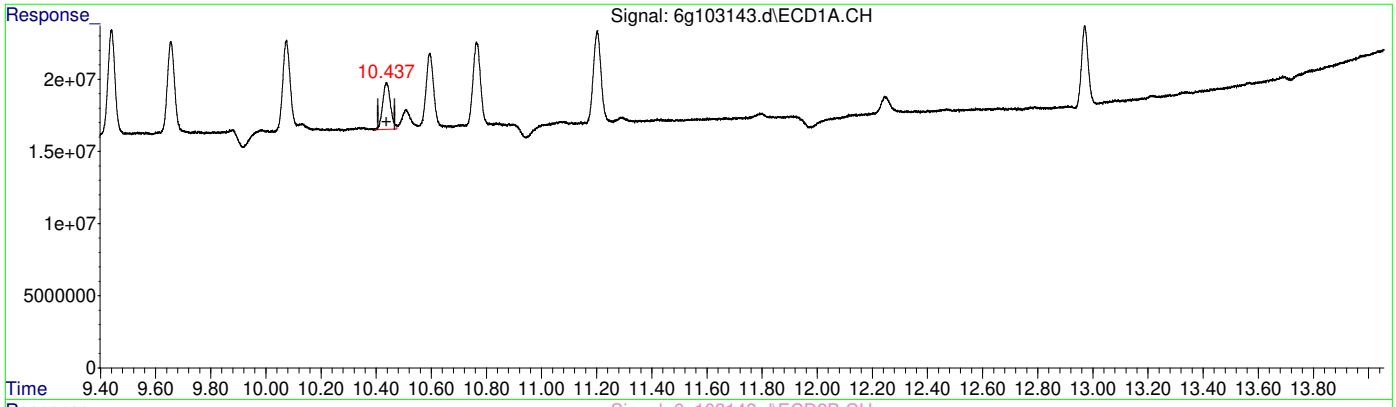
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:10:49 2024

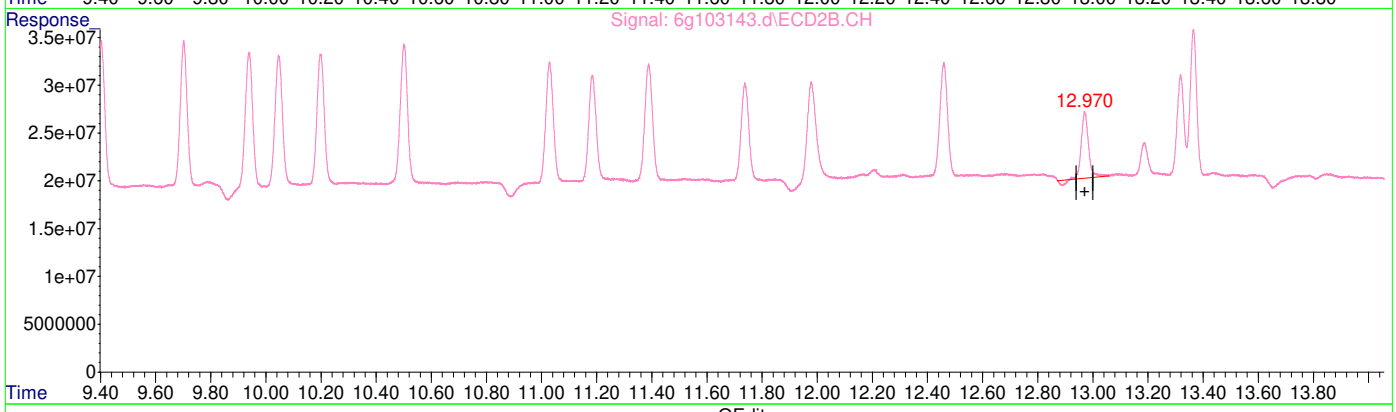
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103143.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:36 pm
Operator : rebeccak
Sample : ic3879-0.2
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 7 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:07:16 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(23) Methoxychlor (A)

10.437min 0.185 PPB

response 63265331

(23) Methoxychlor #2 (A)

12.970min 0.190 PPB

response 120360289

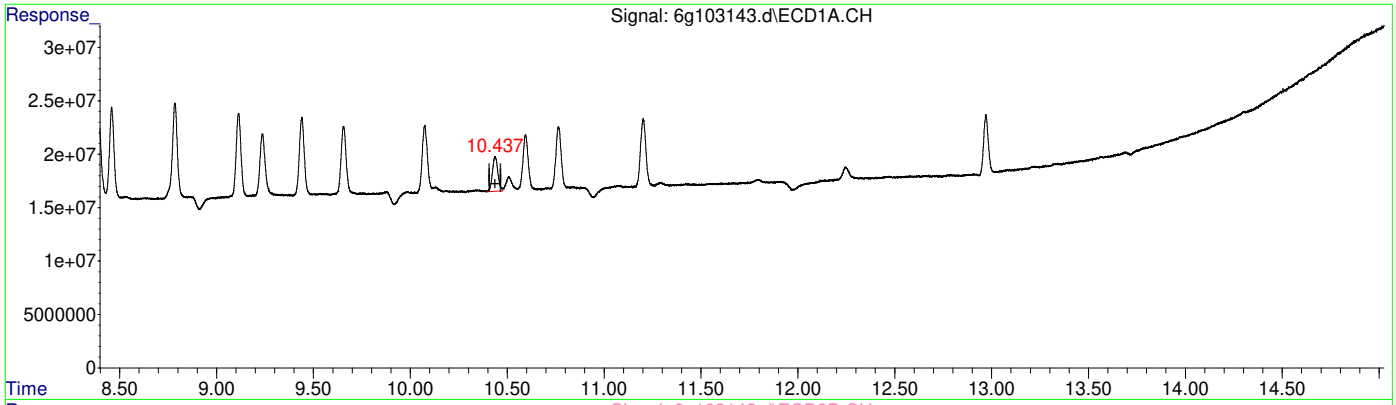
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:10:54 2024

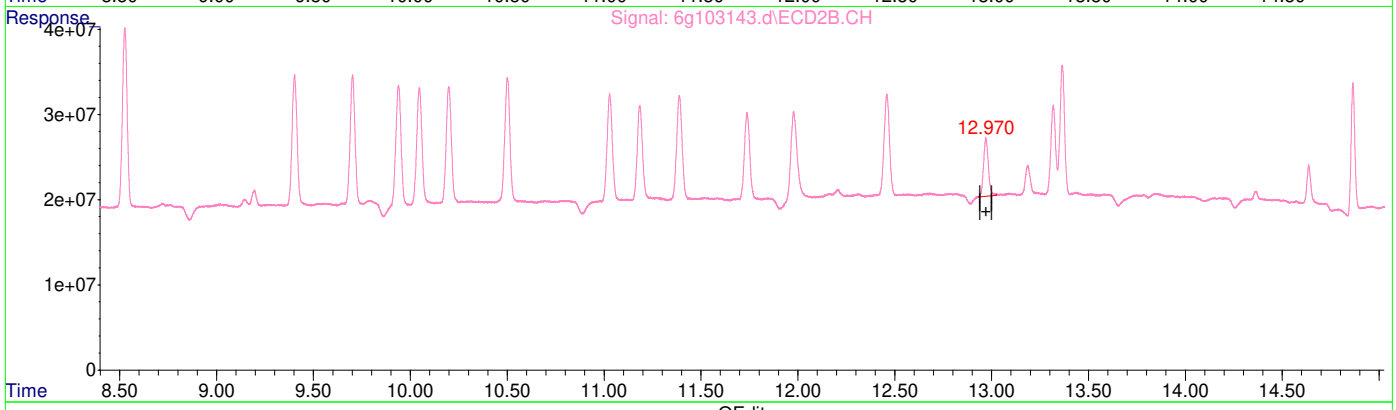
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103143.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:36 pm
Operator : rebeccak
Sample : ic3879-0.2
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 7 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:07:16 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(23) Methoxychlor (A)

10.437min 0.185 PPB

response 63265331

(23) Methoxychlor #2 (A)

12.970min 0.187 PPB m

response 118450080

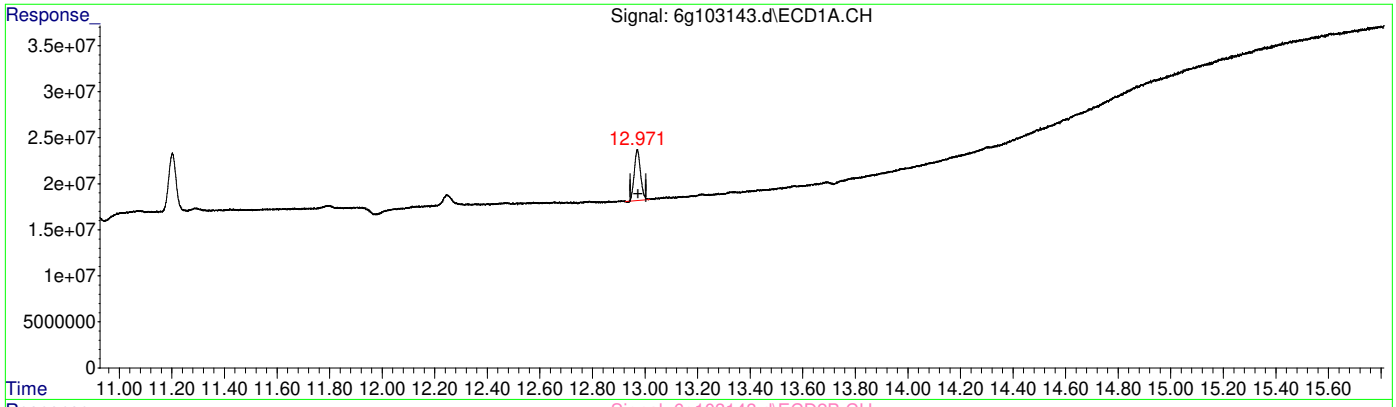
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:11:02 2024

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103143.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:36 pm
Operator : rebeccak
Sample : ic3879-0.2
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 7 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:07:16 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



QEdit

(26) Decachlorobiphenyl (SA)

12.971min 0.122 PPB

response 91312517

(26) Decachlorobiphenyl #2 (SA)

14.865min 0.229 PPB

response 189642574

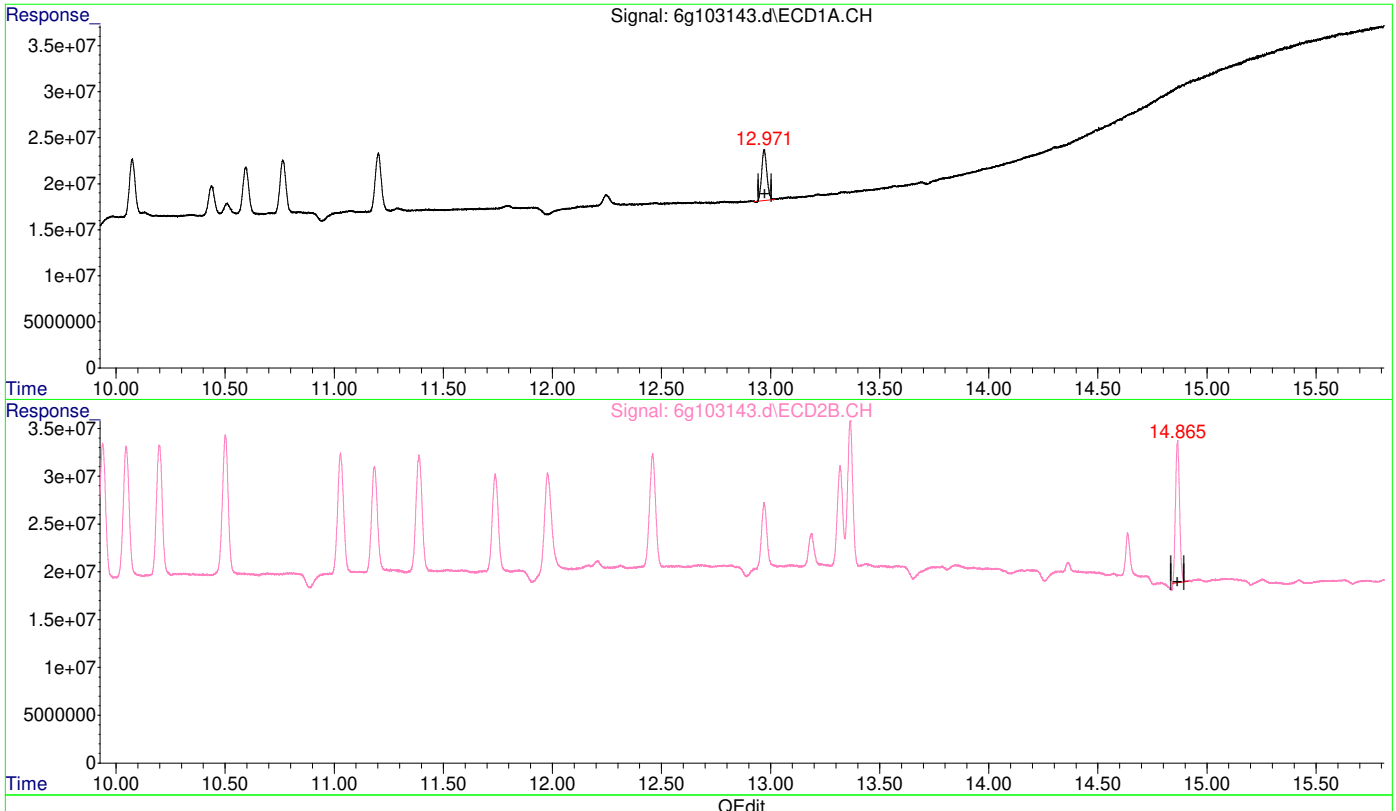
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:11:10 2024

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103143.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:36 pm
Operator : rebeccak
Sample : ic3879-0.2
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 7 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:07:16 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



(26) Decachlorobiphenyl (SA)

12.971min 0.122 PPB

response 91312517

(26) Decachlorobiphenyl #2 (SA)

14.865min 0.230 PPB m

response 190669493

(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:11:21 2024

Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug
12/09/24 11:00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103144.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:56 pm
Operator : rebeccak
Sample : ic3879-0.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 8 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:21:56 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
		Internal Standards						
1)	I	1-bromo-2...	4.847	5.246	2711.9E6	5113.7E6	5.000	5.000
27)	I	1-bromo-2...	4.847	5.246	2711.9E6	5113.7E6	5.000	5.000
33)	I	1-bromo-2...	4.847	5.246	2711.9E6	5113.7E6	5.000	5.000
		System Monitoring Compounds						
2)	SAB	Tetrachlo...	5.520	6.185	303.7E6	615.5E6	0.503m	0.565
		Spiked Amount 40.000	Range 30 - 150		Recovery =		1.26%#	1.41%#
26)	SA	Decachlor...	12.970	14.865	246.6E6	516.3E6	0.339	0.627 #
		Spiked Amount 40.000			Recovery =		0.85%	1.57%
		Target Compounds						
3)		Hexachlor...	5.876	6.758	501.3E6	872.7E6	0.513	0.484
4)	A	alpha-BHC	6.032	6.932	492.8E6	1067.5E6	0.482	0.500
5)	MA	gamma-BHC	6.343	7.405	430.7E6	840.1E6	0.482m	0.464
6)	MA	Heptachlor	6.857	8.035	424.4E6	791.5E6	0.499	0.463m
7)	B	beta-BHC	6.428	7.495	187.2E6	400.6E6	0.488	0.495
8)	B	delta-BHC	6.619	7.929	436.0E6	845.8E6	0.496m	0.458
9)	MB	Aldrin	7.201	8.528	414.5E6	714.4E6	0.497	0.421
10)		Alachlor	7.363	8.304f	53610777	117.7E6	0.617m	0.665m
11)	B	Heptachlo...	7.937	9.403	351.2E6	628.0E6	0.473	0.419
12)	B	gamma-Chl...	8.102	9.703	404.9E6	606.2E6	0.463	0.393
13)	B	alpha-Chl...	8.276	9.939	381.7E6	613.1E6	0.483	0.398
14)	A	Endosulfan I	8.457	10.047	379.8E6	582.4E6	0.507m	0.412
15)	B	4,4'-DDE	8.391	10.199	358.8E6	584.0E6	0.457m	0.378
16)	MA	Dieldrin	8.786	10.503	398.9E6	615.3E6	0.482m	0.406
17)	MA	Endrin	9.114	11.029	359.7E6	557.8E6	0.505m	0.465m
18)	A	4,4'-DDD	9.236	11.184	294.2E6	490.2E6	0.448m	0.399m
19)	B	Endosulfa...	9.440	11.389	329.7E6	547.8E6	0.455	0.405
20)	MA	4,4'-DDT	9.654	11.738	311.3E6	479.5E6	0.466	0.364
21)	B	Endrin Al...	10.075	11.978	259.5E6	440.2E6	0.451m	0.395m
22)	B	Endosulfa...	10.764	12.460	287.0E6	540.2E6	0.424	0.456
23)	A	Methoxychlor	10.437	12.972	155.0E6	289.0E6	0.467	0.458m
24)		Mirex	10.594	13.317	244.0E6	426.2E6	0.421	0.507
25)	B	Endrin Ke...	11.202	13.365	320.9E6	613.9E6	0.411	0.497
		Sum Toxaphene			0	0	N.D.	N.D.
		Average Toxaphene					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

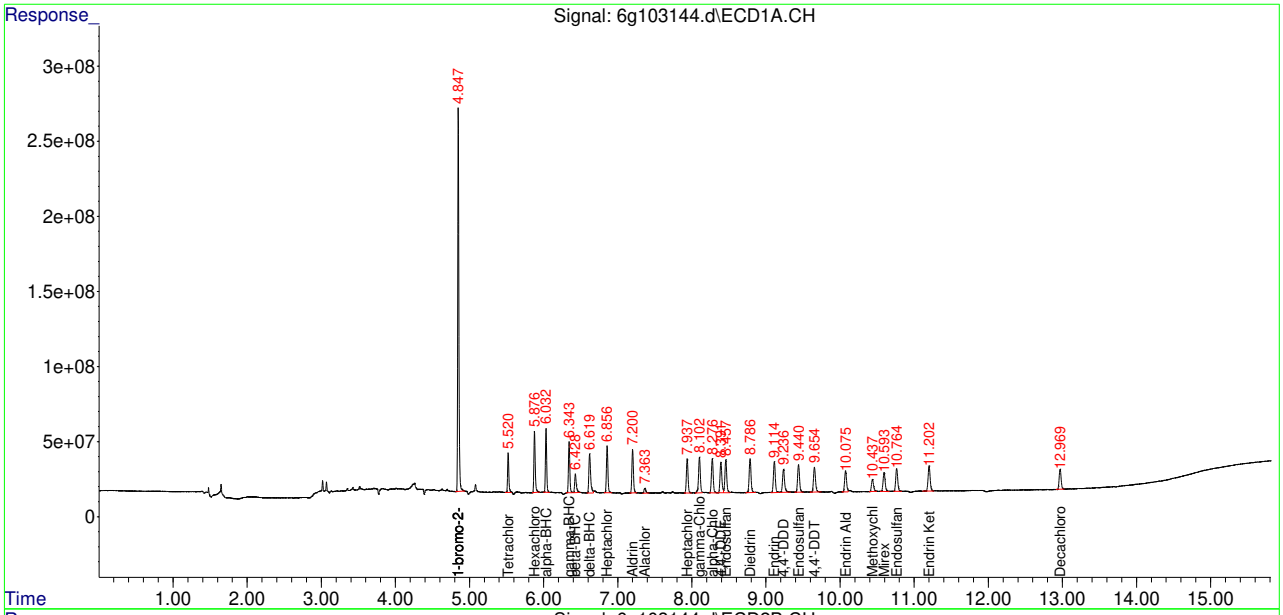
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

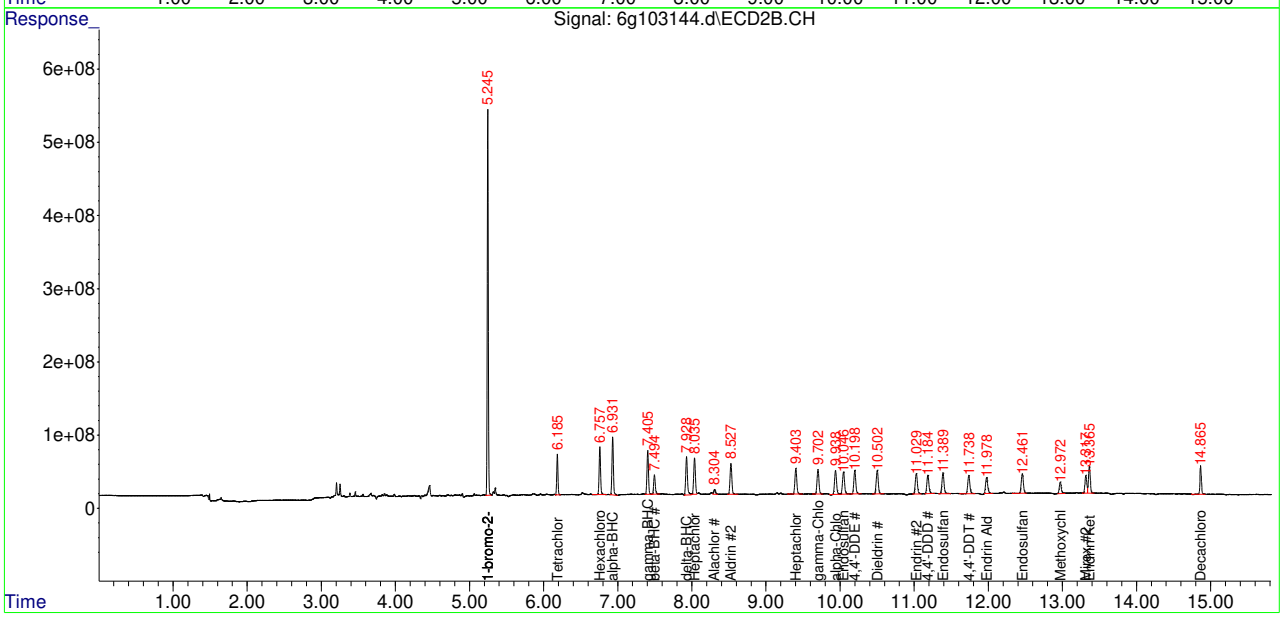
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103144.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:56 pm
Operator : rebeccak
Sample : ic3879-0.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 8 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:21:56 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





Manual Integration Approval Summary

Sample Number: G6G3879-IC3879
Lab FileID: 6G103144.D
Injection Time: 12/06/24 12:56
Method: SW846 8081B
Analyst approved: 12/08/24 21:53 Rebecca Krug
Supervisor approved: 12/09/24 11:00 Rebecca Krug

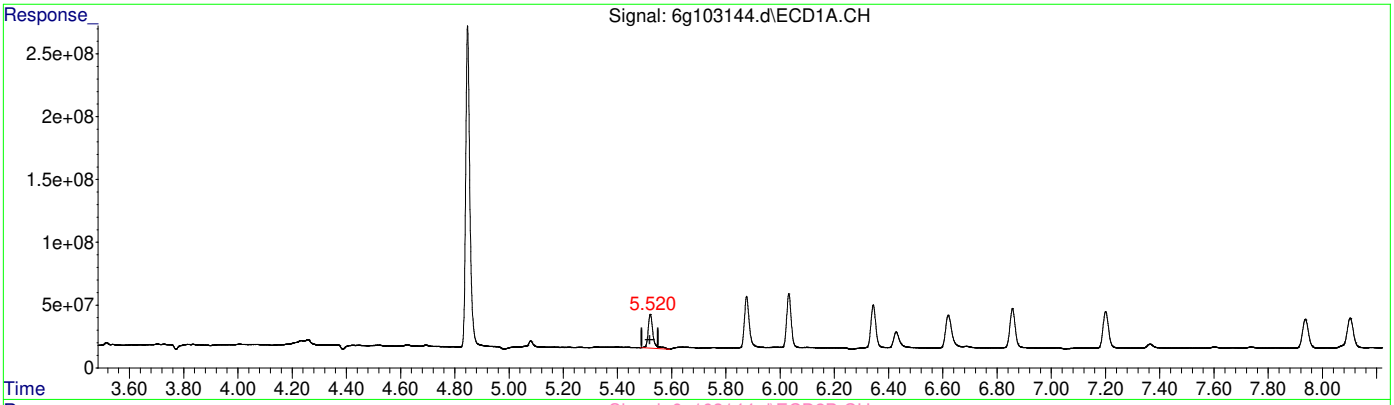
Parameter	CAS	Sig#	R.T. (min.)	Reason
Tetrachloro-m-xylene	877-09-8	1	5.52	Poorly defined baseline
gamma-BHC (Lindane)	58-89-9	1	6.34	Poorly defined baseline
delta-BHC	319-86-8	1	6.62	Poorly defined baseline
Alachlor	15972-60-8	1	7.36	Poorly defined baseline
Heptachlor	76-44-8	2	8.04	Poorly defined baseline
Alachlor	15972-60-8	2	8.30	Poorly defined baseline
4,4'-DDE	72-55-9	1	8.39	Poorly defined baseline
Endosulfan-I	959-98-8	1	8.46	Poorly defined baseline
Dieldrin	60-57-1	1	8.79	Poorly defined baseline
Endrin	72-20-8	1	9.11	Poorly defined baseline
4,4'-DDD	72-54-8	1	9.24	Poorly defined baseline
Endrin aldehyde	7421-93-4	1	10.07	Poorly defined baseline
Endrin	72-20-8	2	11.03	Poorly defined baseline
4,4'-DDD	72-54-8	2	11.18	Poorly defined baseline
Endrin aldehyde	7421-93-4	2	11.98	Poorly defined baseline
Methoxychlor	72-43-5	2	12.97	Poorly defined baseline

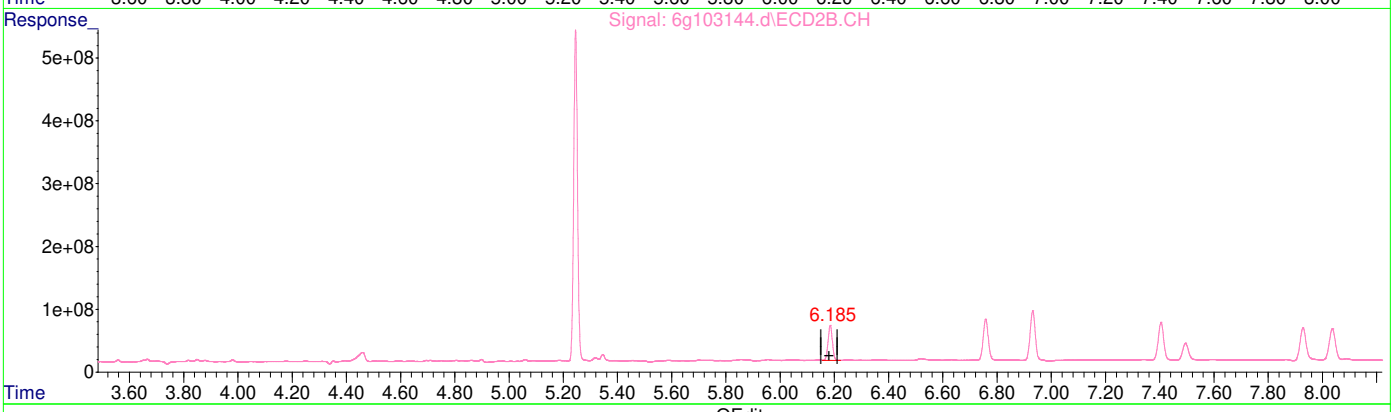
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103144.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:56 pm
Operator : rebeccak
Sample : ic3879-0.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 8 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:11:41 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(2) Tetrachloro-m-xylene (SAB)

5.521min 0.566 PPB

response 341650131

(2) Tetrachloro-m-xylene #2 (SAB)

6.185min 0.565 PPB

response 615467959

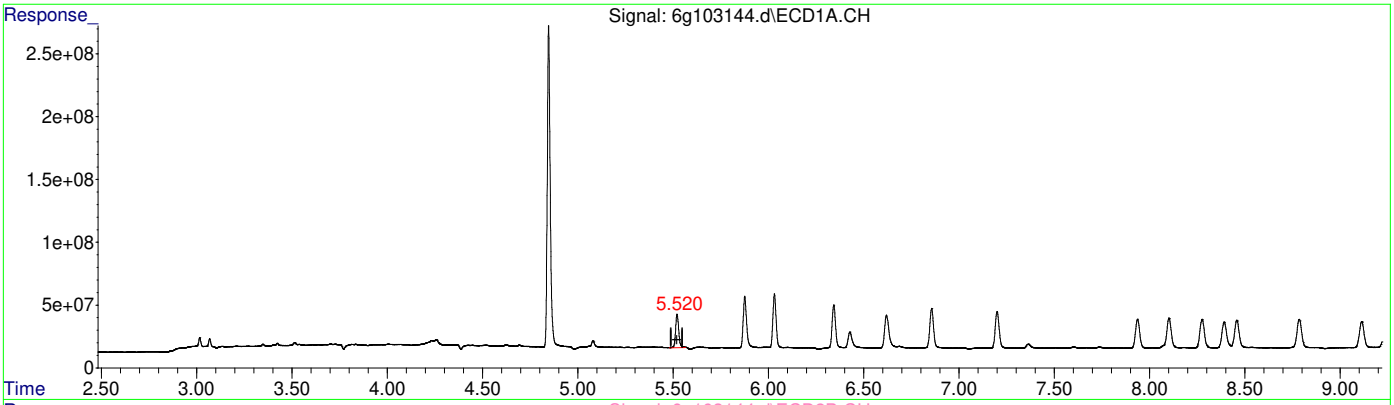
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:12:22 2024

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103144.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:56 pm
Operator : rebeccak
Sample : ic3879-0.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 8 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:11:41 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



QEdit

(2) Tetrachloro-m-xylene (SAB)

5.520min 0.503 PPB m

response 303650704

(2) Tetrachloro-m-xylene #2 (SAB)

6.185min 0.565 PPB

response 615467959

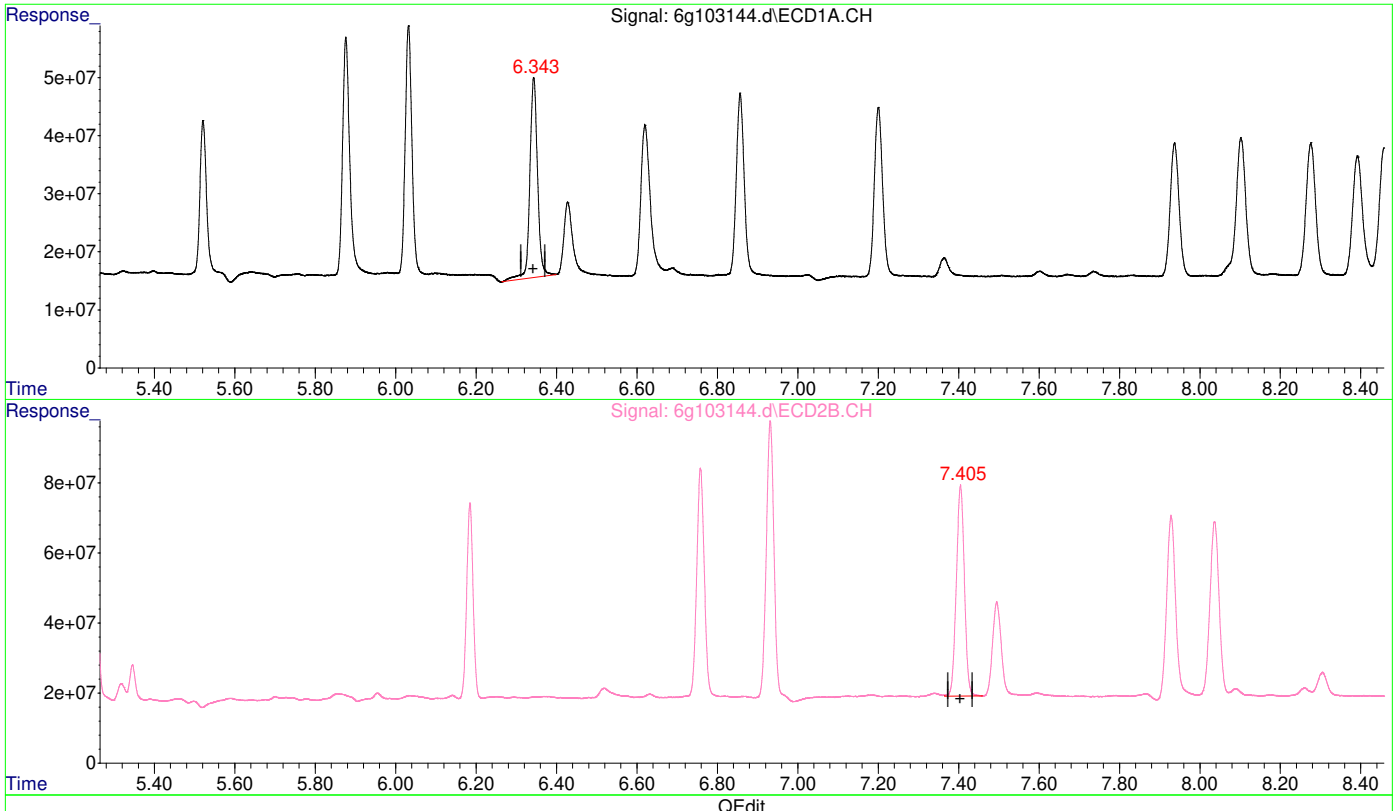
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:12:35 2024

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103144.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:56 pm
Operator : rebeccak
Sample : ic3879-0.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 8 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:11:41 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



(5) gamma-BHC (MA)

6.343min 0.513 PPB

response 458932055

(5) gamma-BHC #2 (MA)

7.405min 0.464 PPB

response 840068820

(+) = Expected Retention Time

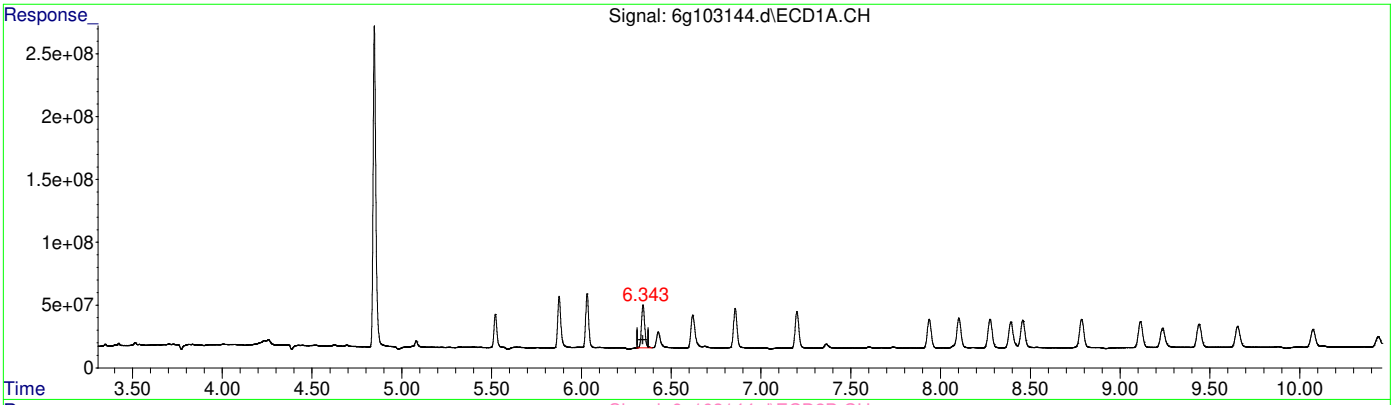
6PSTLVI3879a.M Fri Dec 06 18:12:42 2024

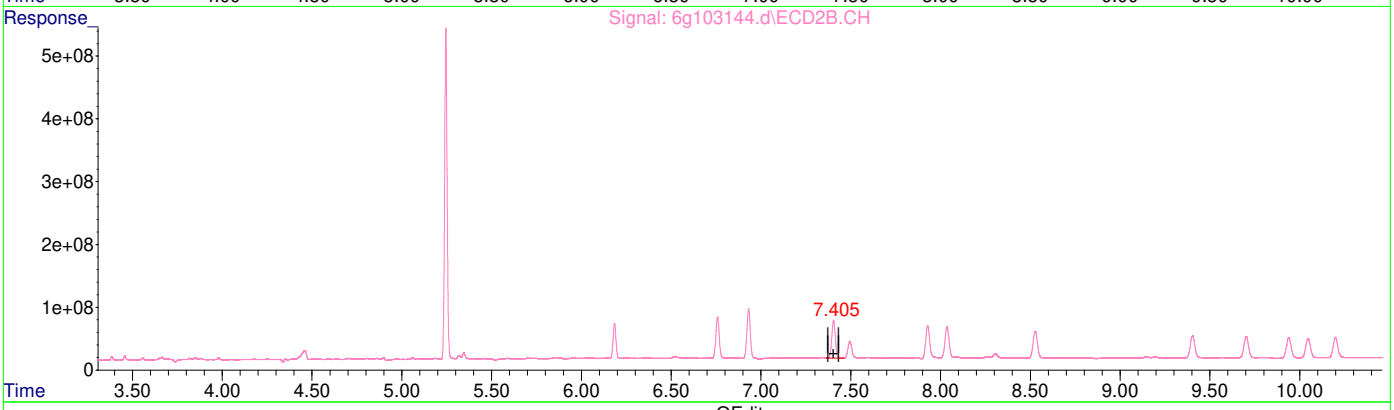
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103144.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:56 pm
Operator : rebeccak
Sample : ic3879-0.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 8 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:11:41 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(5) gamma-BHC (MA)

6.343min 0.482 PPB m

response 430746653

(5) gamma-BHC #2 (MA)

7.405min 0.464 PPB

response 840068820

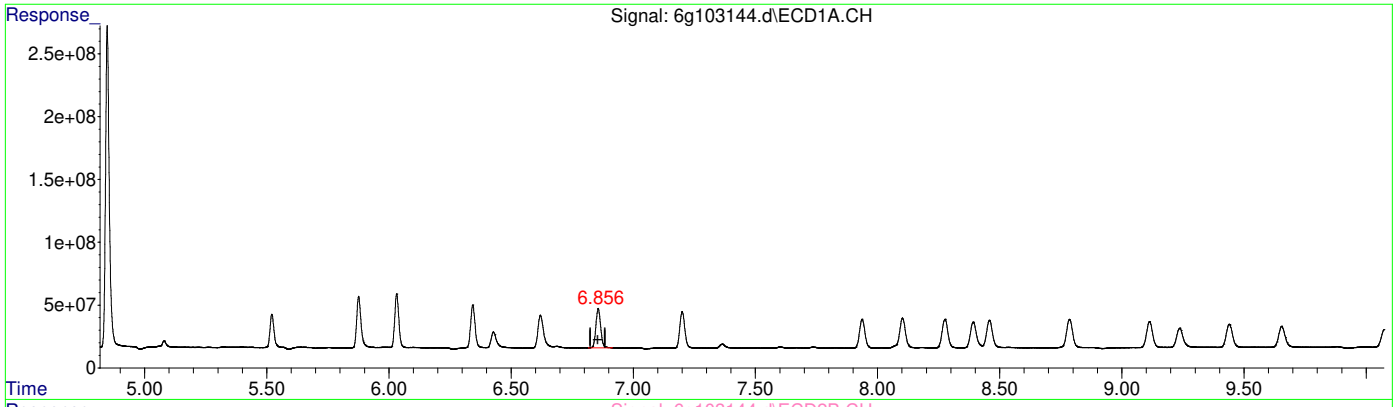
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:12:55 2024

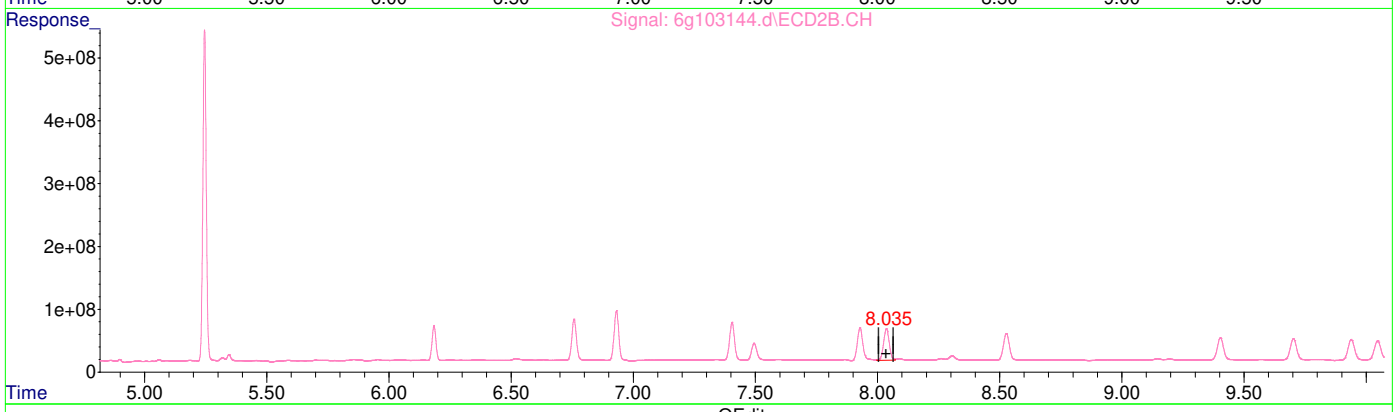
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103144.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:56 pm
Operator : rebeccak
Sample : ic3879-0.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 8 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:11:41 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(6) Heptachlor (MA)

6.857min 0.499 PPB

response 424360957

(6) Heptachlor #2 (MA)

8.037min 0.478 PPB

response 817611785

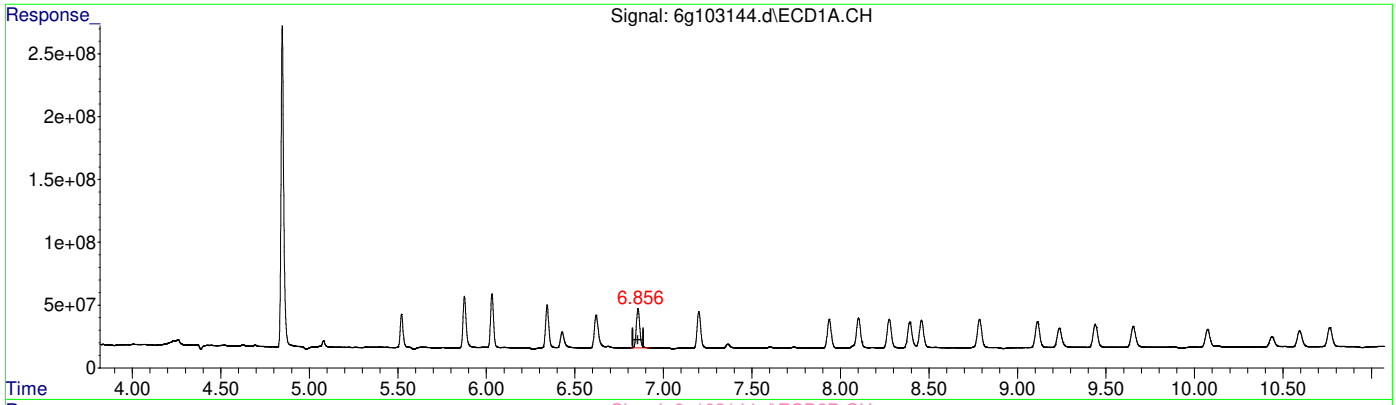
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:13:02 2024

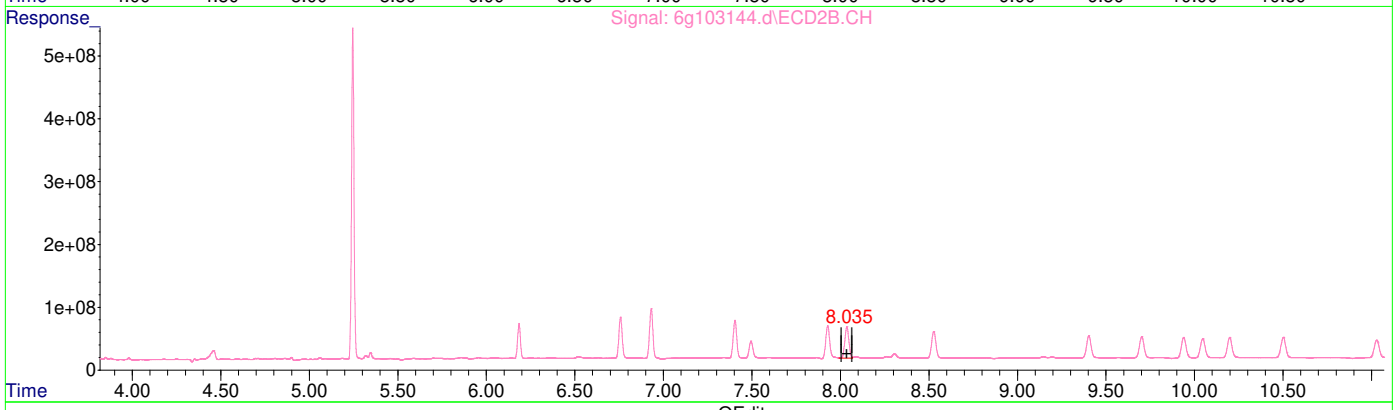
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103144.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:56 pm
Operator : rebeccak
Sample : ic3879-0.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 8 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:11:41 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(6) Heptachlor (MA)

6.857min 0.499 PPB

response 424360957

(6) Heptachlor #2 (MA)

8.035min 0.463 PPB m

response 791488609

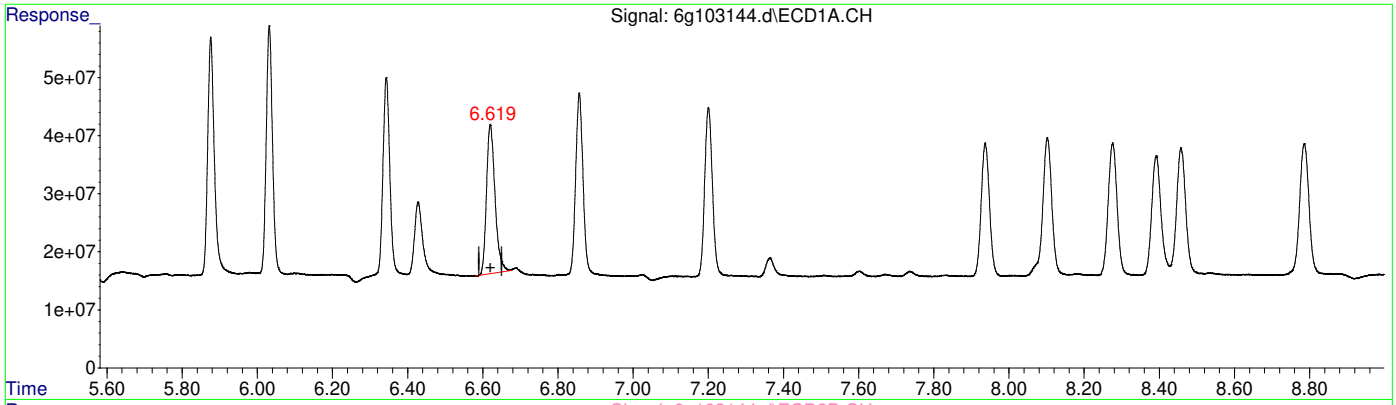
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:13:13 2024

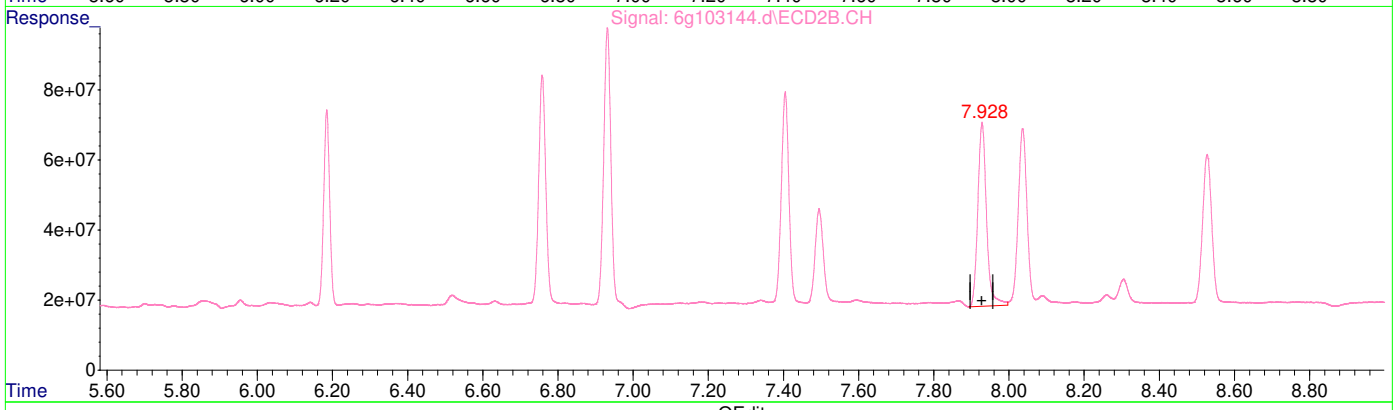
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103144.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:56 pm
Operator : rebeccak
Sample : ic3879-0.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 8 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:11:41 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(8) delta-BHC (B)

6.620min 0.458 PPB

response 402648992

(8) delta-BHC #2 (B)

7.929min 0.458 PPB

response 845786434

(+) = Expected Retention Time

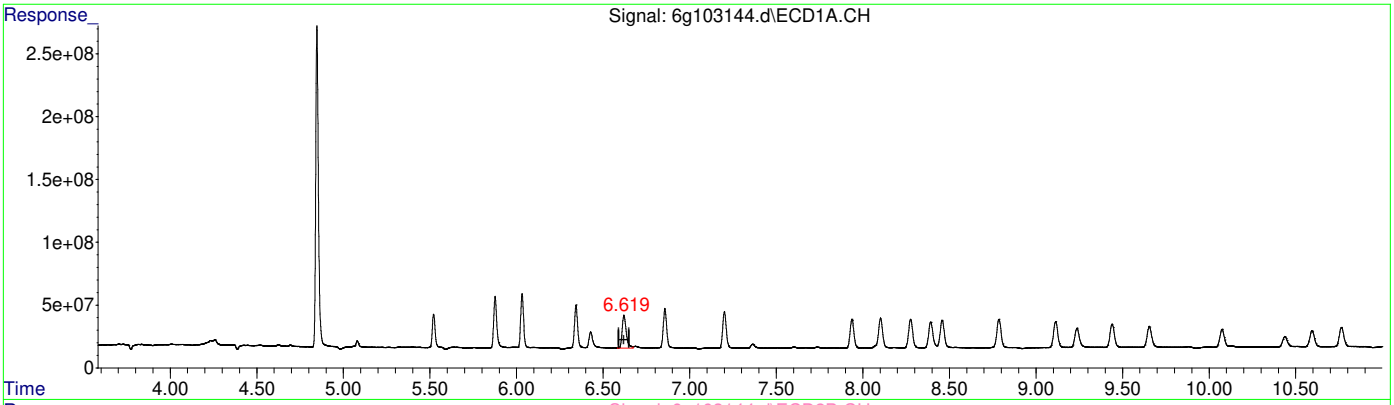
6PSTLVI3879a.M Fri Dec 06 18:13:21 2024

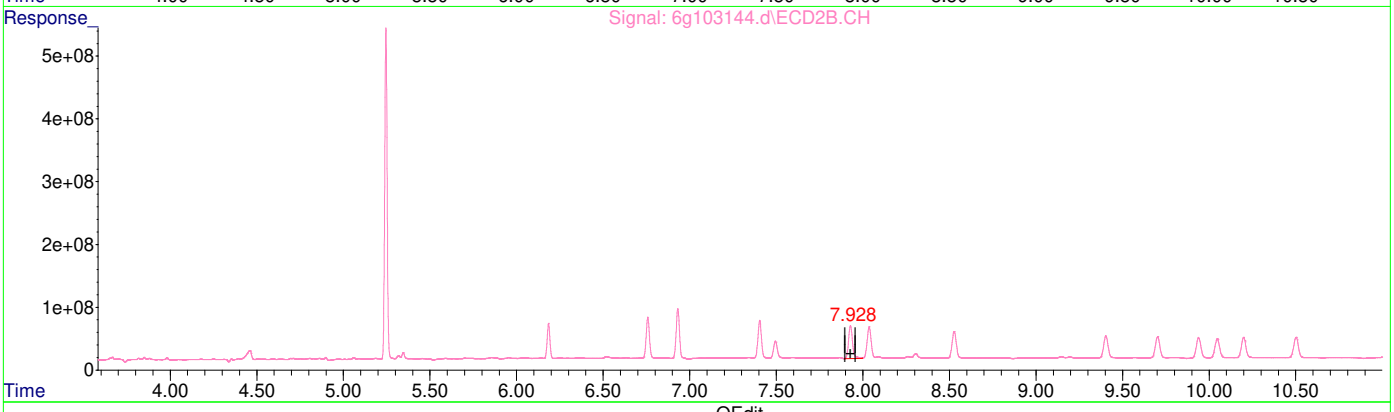
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103144.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:56 pm
Operator : rebeccak
Sample : ic3879-0.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 8 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:11:41 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(8) delta-BHC (B)

6.619min 0.496 PPB m

response 435950943

(8) delta-BHC #2 (B)

7.929min 0.458 PPB

response 845786434

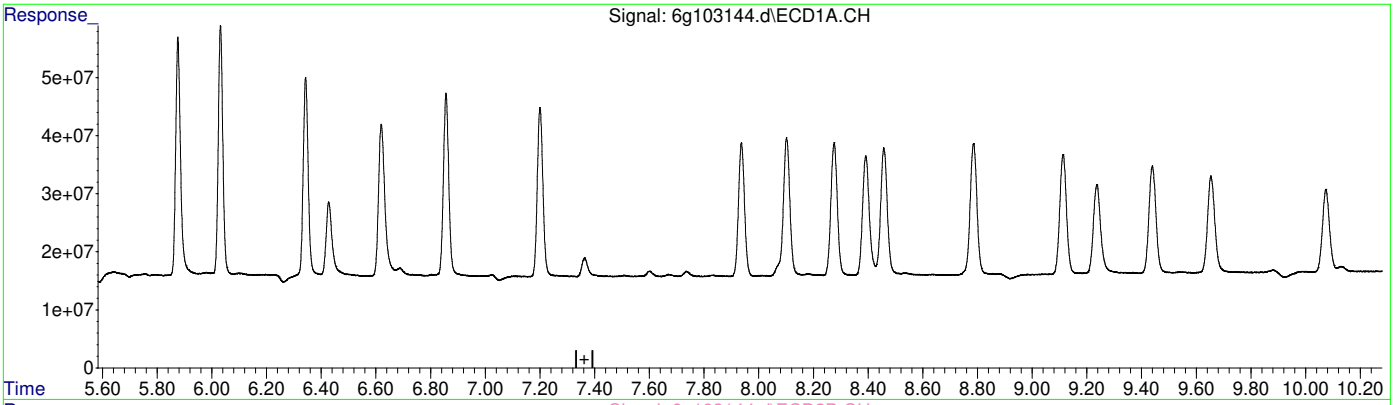
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:13:33 2024

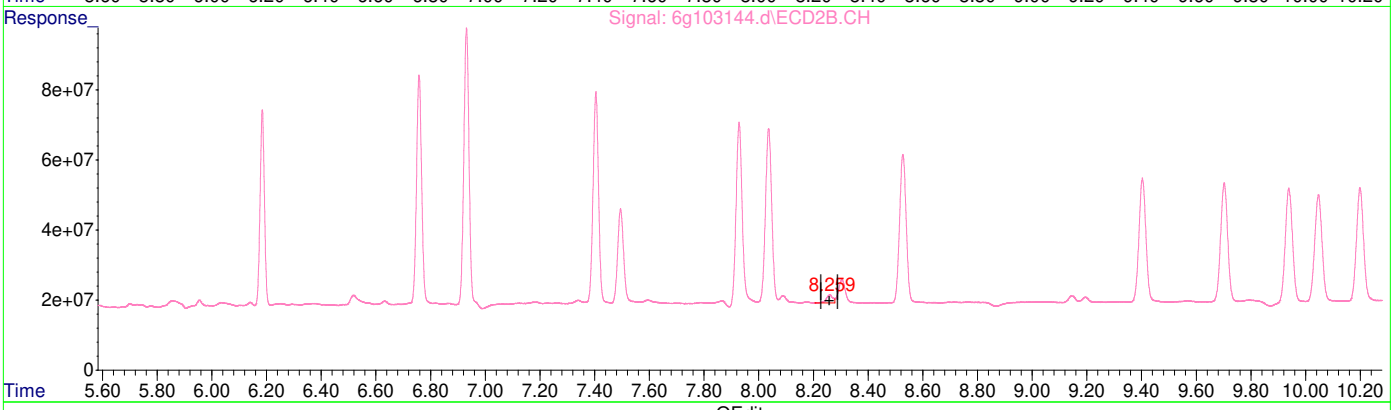
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103144.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:56 pm
Operator : rebeccak
Sample : ic3879-0.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 8 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:11:41 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(10) Alachlor

0.000min 0.000 PPB

response 0

(10) Alachlor #2

8.259min 0.212 PPB

response 37571883

(+) = Expected Retention Time

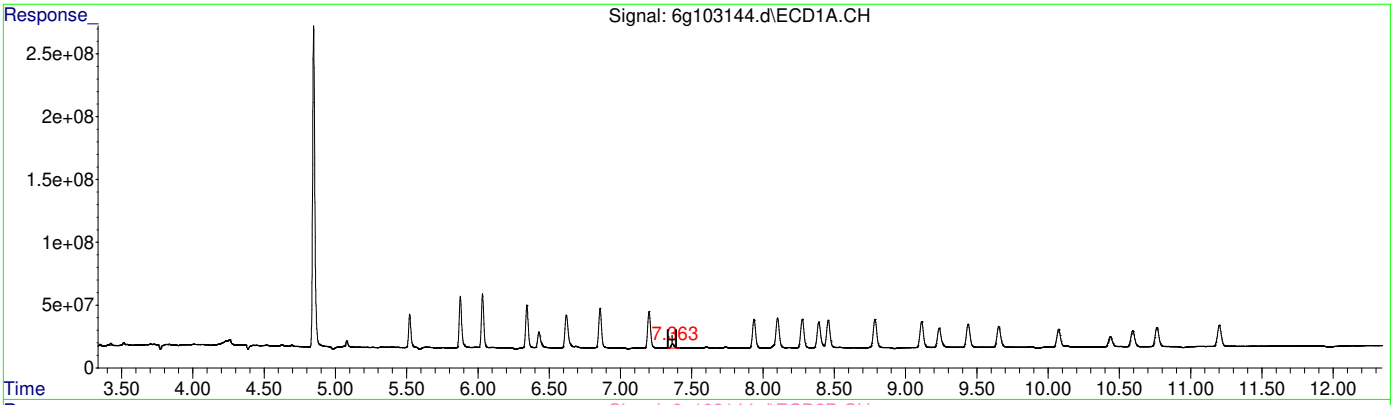
6PSTLVI3879a.M Fri Dec 06 18:13:48 2024

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103144.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:56 pm
Operator : rebeccak
Sample : ic3879-0.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 8 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:11:41 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



QEdit

(10) Alachlor

7.363min 0.617 PPB m

response 53610777

(10) Alachlor #2

8.304min 0.665 PPB m

response 117692518

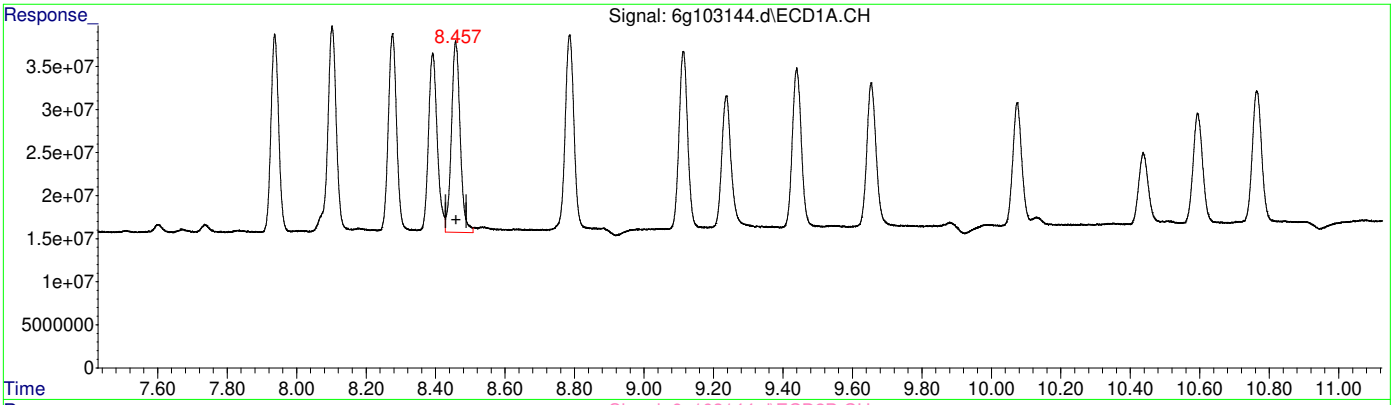
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:14:10 2024

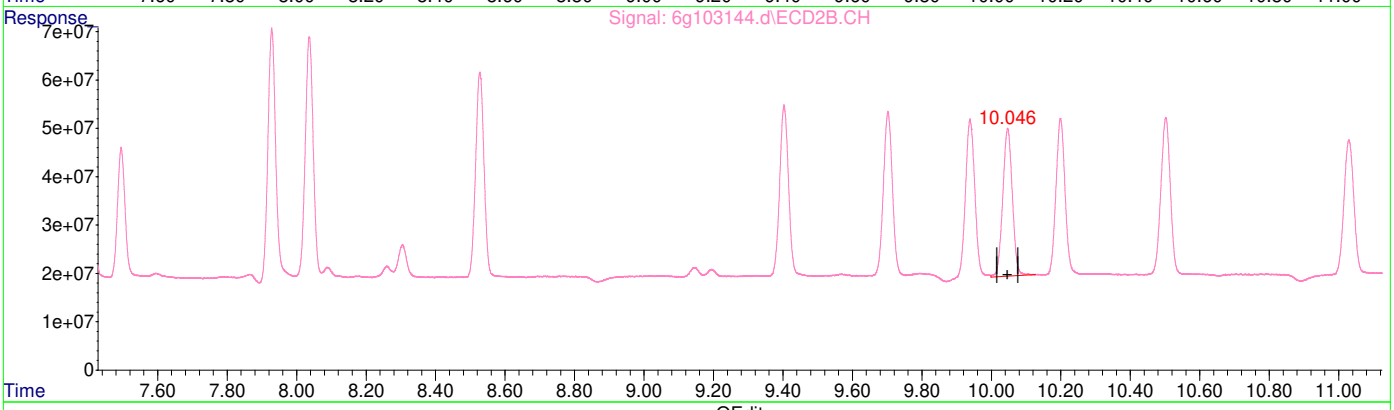
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103144.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:56 pm
Operator : rebeccak
Sample : ic3879-0.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 8 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:11:41 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(14) Endosulfan I (A)

8.458min 0.519 PPB

response 388247502

(14) Endosulfan I #2 (A)

10.047min 0.412 PPB

response 582438337

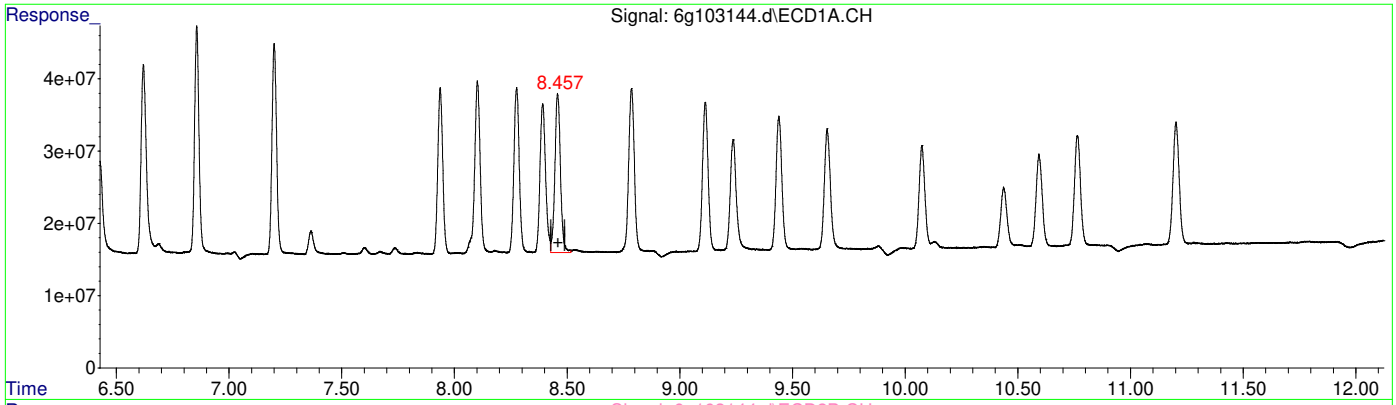
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:14:19 2024

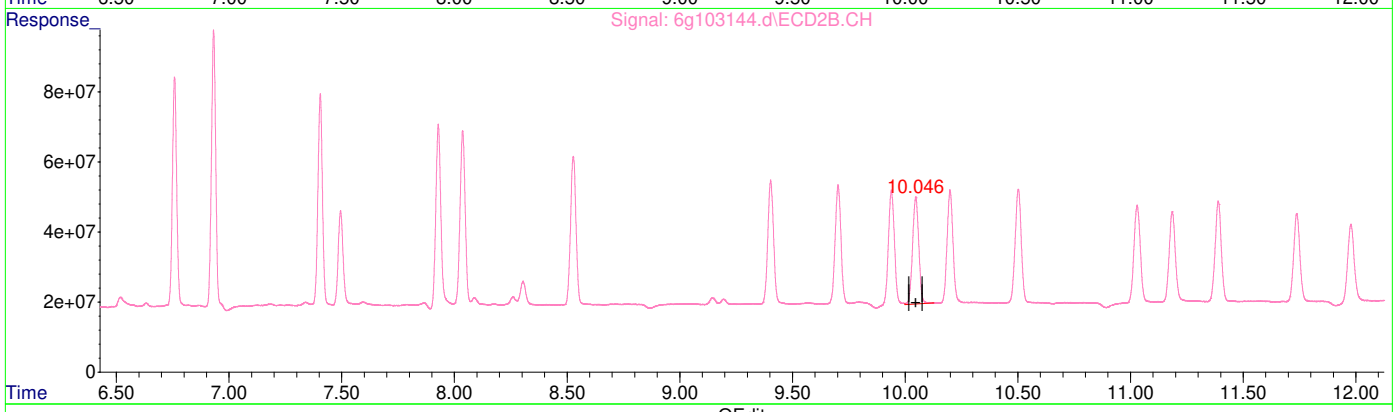
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103144.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:56 pm
Operator : rebeccak
Sample : ic3879-0.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 8 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:11:41 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(14) Endosulfan I (A)

8.457min 0.507 PPB m

response 379760158

(14) Endosulfan I #2 (A)

10.047min 0.412 PPB

response 582438337

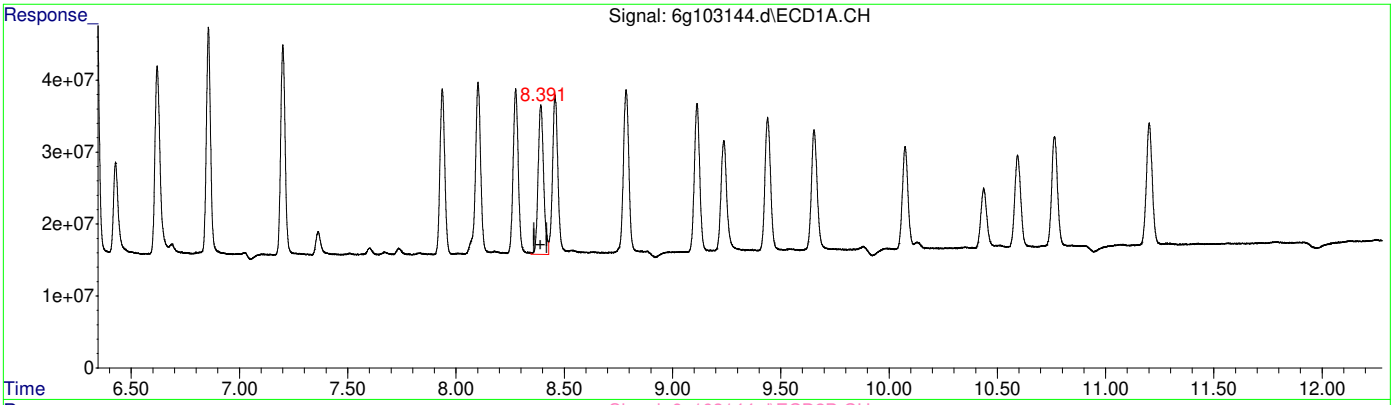
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:19:55 2024

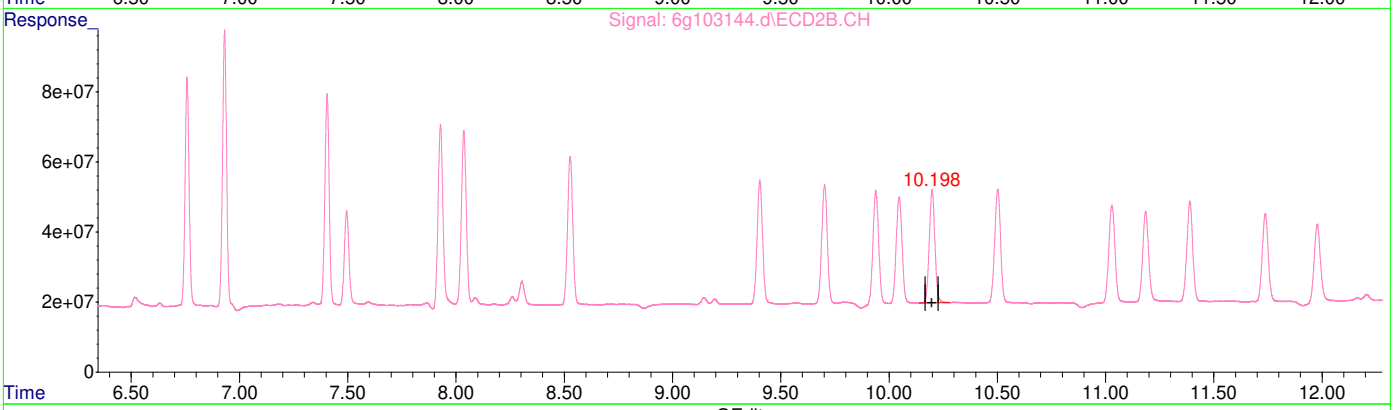
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103144.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:56 pm
Operator : rebeccak
Sample : ic3879-0.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 8 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:11:41 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(15) 4,4'-DDE (B)

8.392min 0.466 PPB

response 366255125

(15) 4,4'-DDE #2 (B)

10.199min 0.378 PPB

response 583984052

(+) = Expected Retention Time

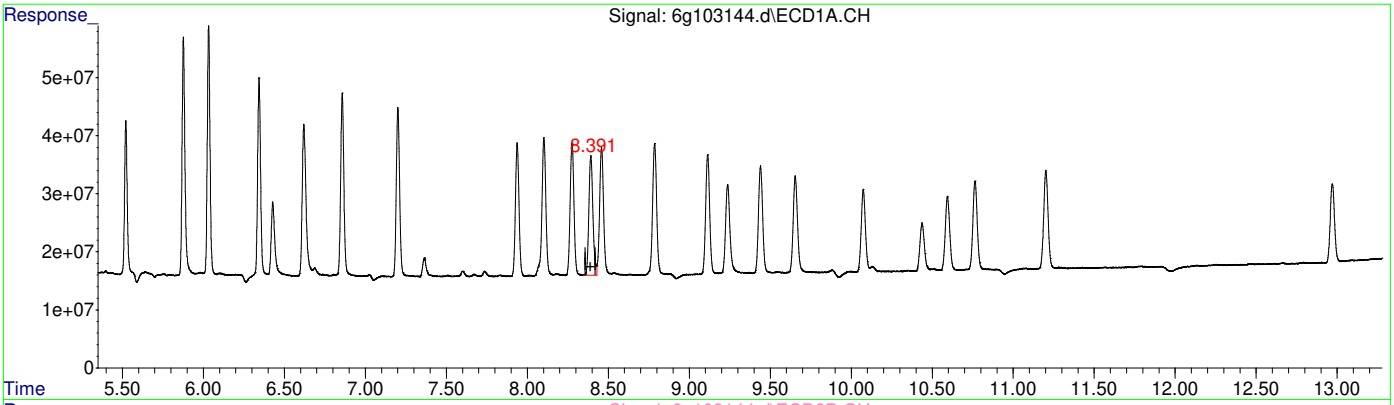
6PSTLVI3879a.M Fri Dec 06 18:20:02 2024 Page: 1

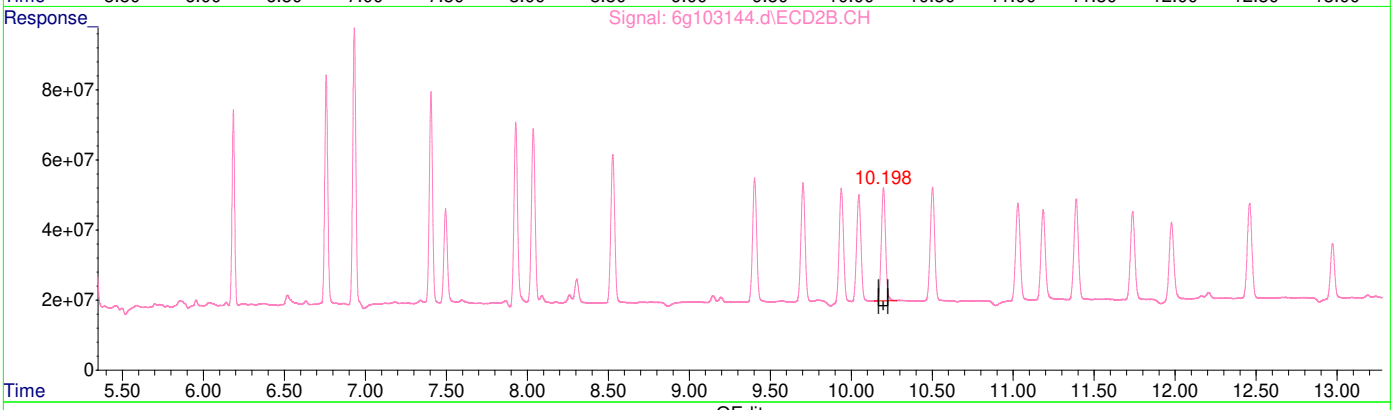
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103144.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:56 pm
Operator : rebeccak
Sample : ic3879-0.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 8 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:11:41 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(15) 4,4'-DDE (B)

8.391min 0.457 PPB m

response 358805942

(15) 4,4'-DDE #2 (B)

10.199min 0.378 PPB

response 583984052

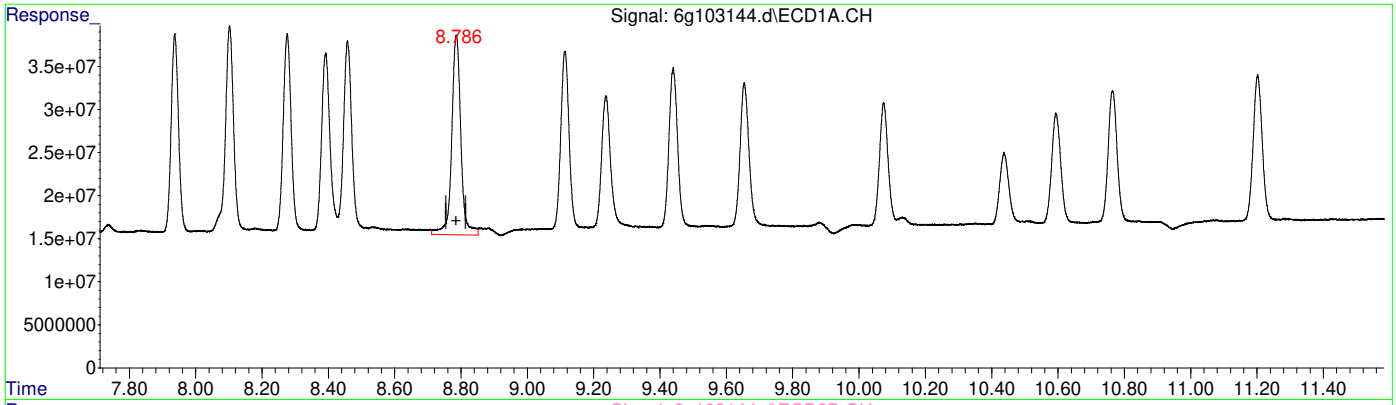
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:20:13 2024

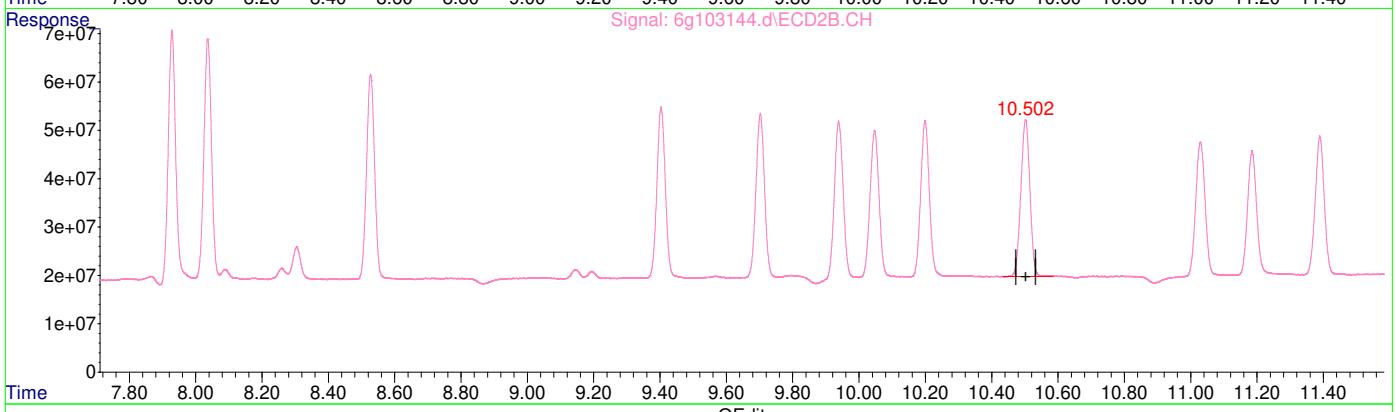
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103144.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:56 pm
Operator : rebeccak
Sample : ic3879-0.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 8 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:11:41 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(16) Dieldrin (MA)

8.786min 0.538 PPB

response 445192769

(16) Dieldrin #2 (MA)

10.503min 0.406 PPB

response 615301197

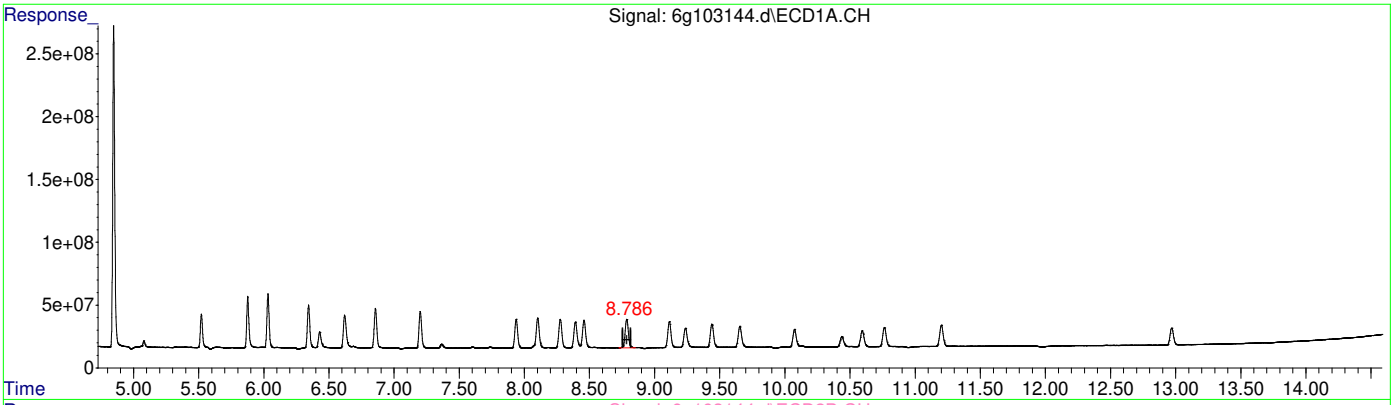
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:20:17 2024

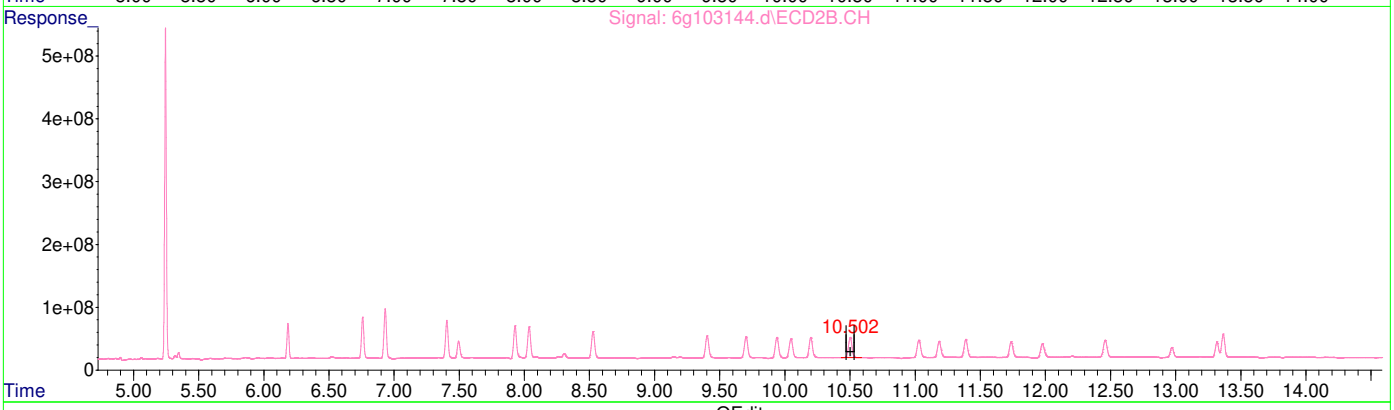
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103144.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:56 pm
Operator : rebeccak
Sample : ic3879-0.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 8 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:11:41 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(16) Dieldrin (MA)

8.786min 0.482 PPB m

response 398886008

(16) Dieldrin #2 (MA)

10.503min 0.406 PPB

response 615301197

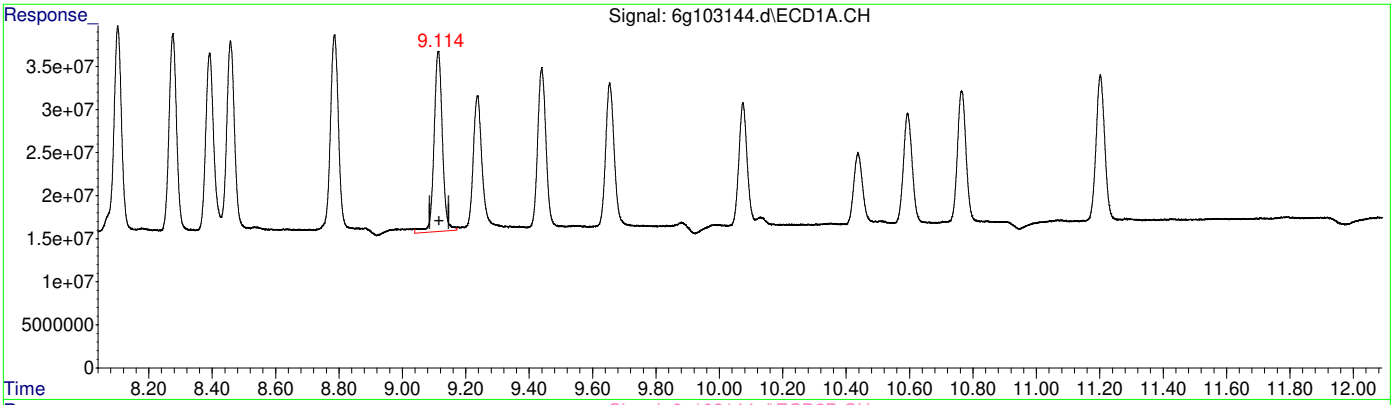
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:20:28 2024

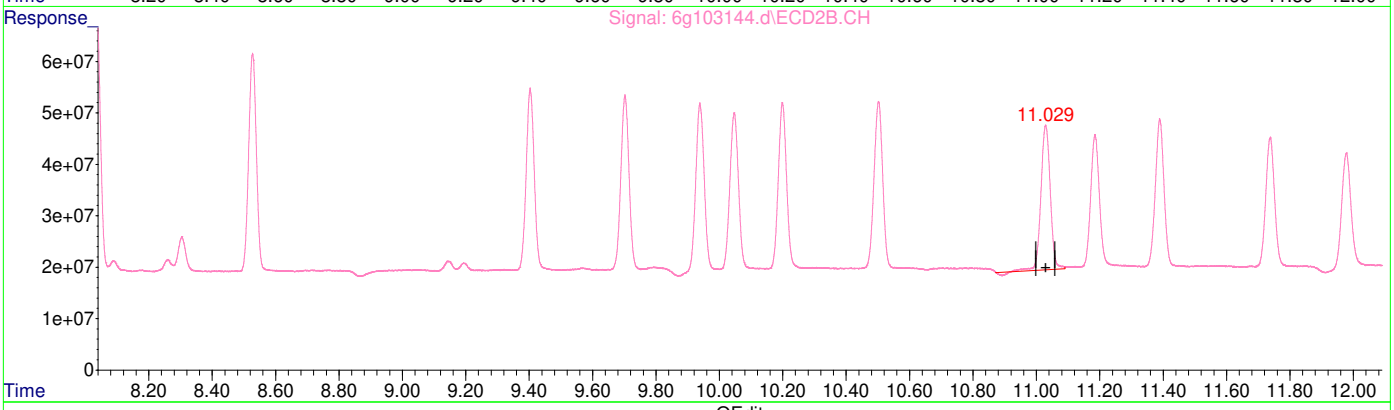
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103144.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:56 pm
Operator : rebeccak
Sample : ic3879-0.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 8 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:11:41 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(17) Endrin (MA)

9.114min 0.538 PPB

response 383206725

(17) Endrin #2 (MA)

11.029min 0.477 PPB

response 572300583

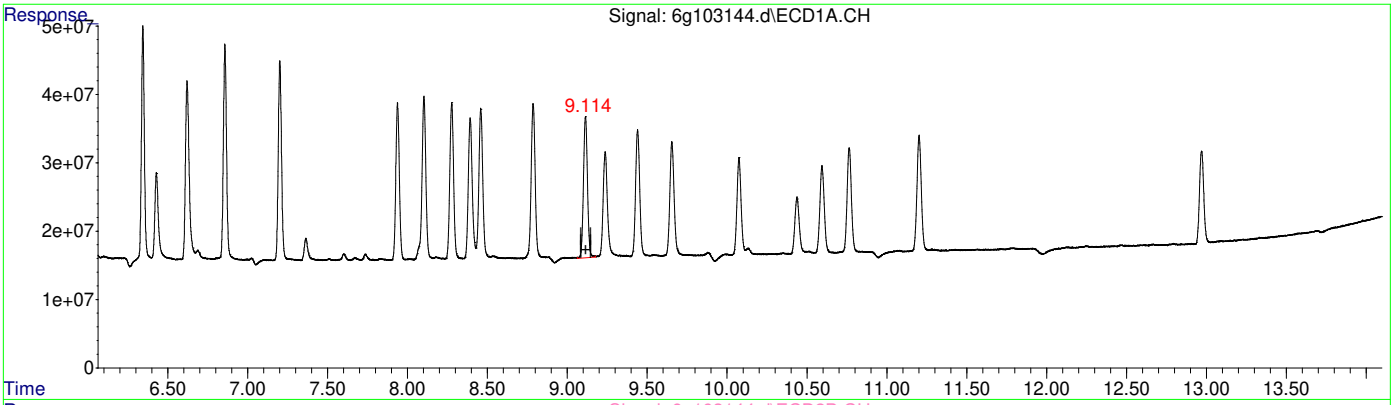
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:20:54 2024

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103144.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:56 pm
Operator : rebeccak
Sample : ic3879-0.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 8 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:11:41 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



(17) Endrin (MA)

9.114min 0.505 PPB m

response 359719772

(17) Endrin #2 (MA)

11.029min 0.465 PPB m

response 557775263

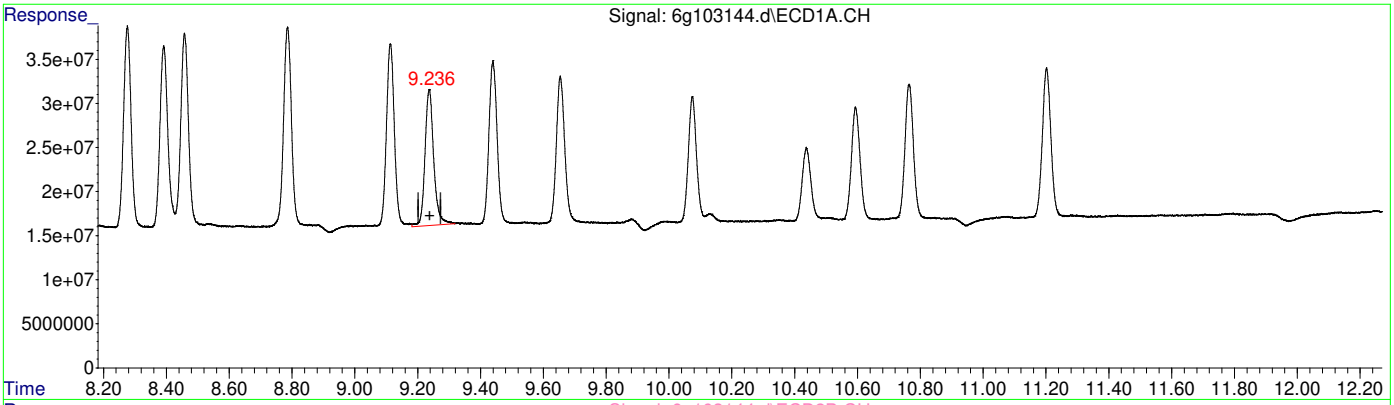
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:21:07 2024

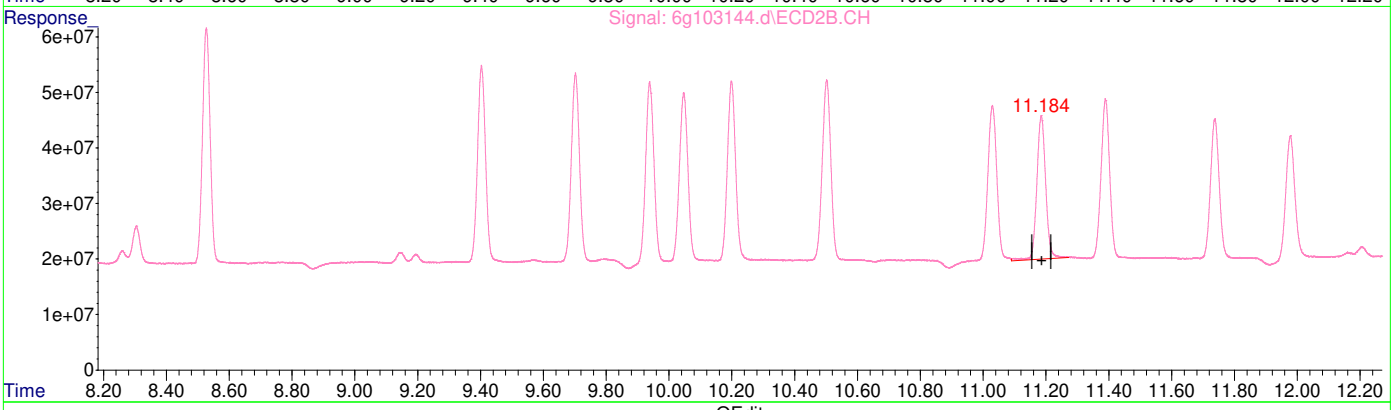
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103144.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:56 pm
Operator : rebeccak
Sample : ic3879-0.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 8 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:11:41 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(18) 4,4'-DDD (A)

9.237min 0.455 PPB

response 298862101

(18) 4,4'-DDD #2 (A)

11.185min 0.410 PPB

response 503730200

(+) = Expected Retention Time

6PSTLVI3879a.M Fri Dec 06 18:21:10 2024 Page: 1

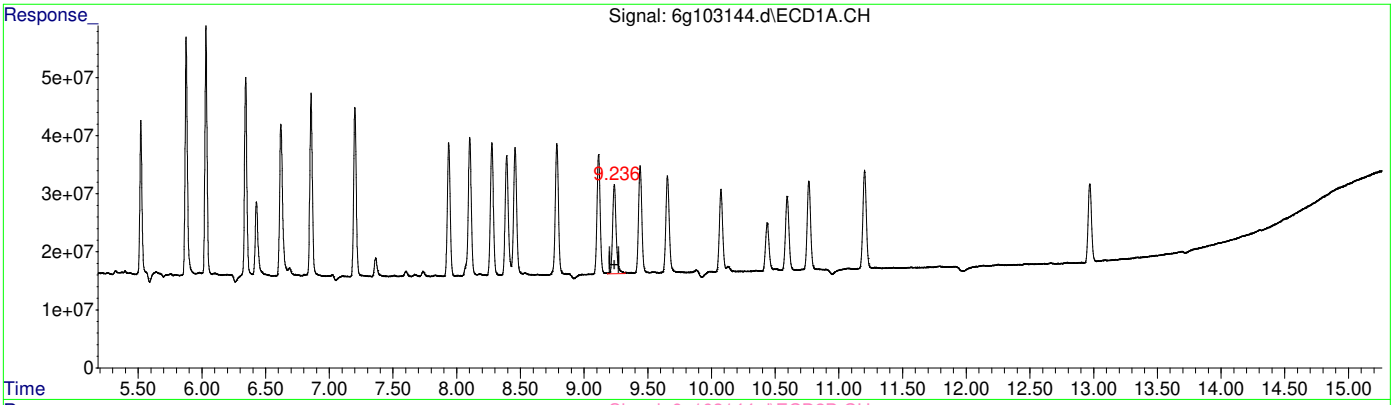
6G103144.D edits: 4,4'-DDD

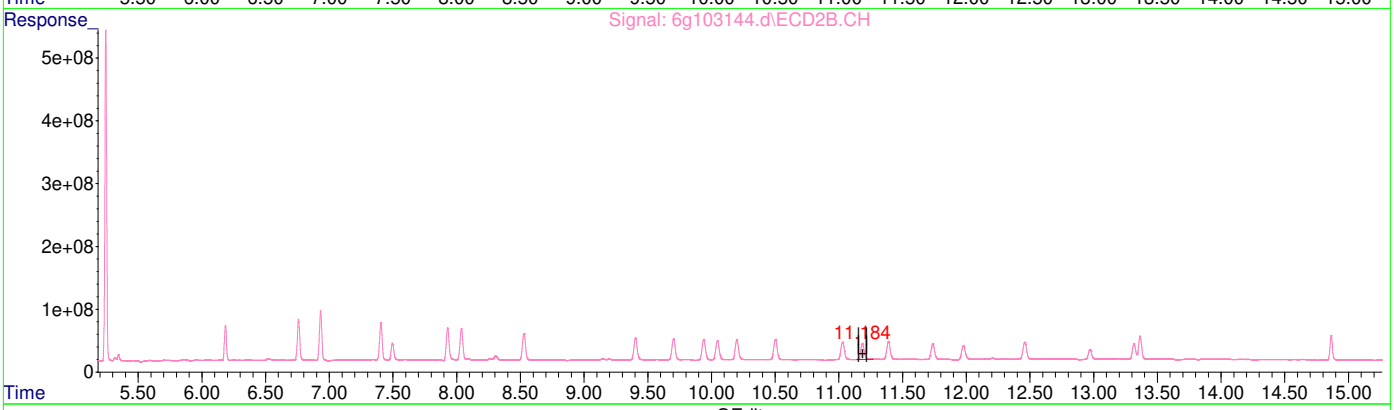
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103144.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:56 pm
Operator : rebeccak
Sample : ic3879-0.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 8 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:11:41 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(18) 4,4'-DDD (A)

9.236min 0.448 PPB m

response 294162491

(18) 4,4'-DDD #2 (A)

11.184min 0.399 PPB m

response 490216655

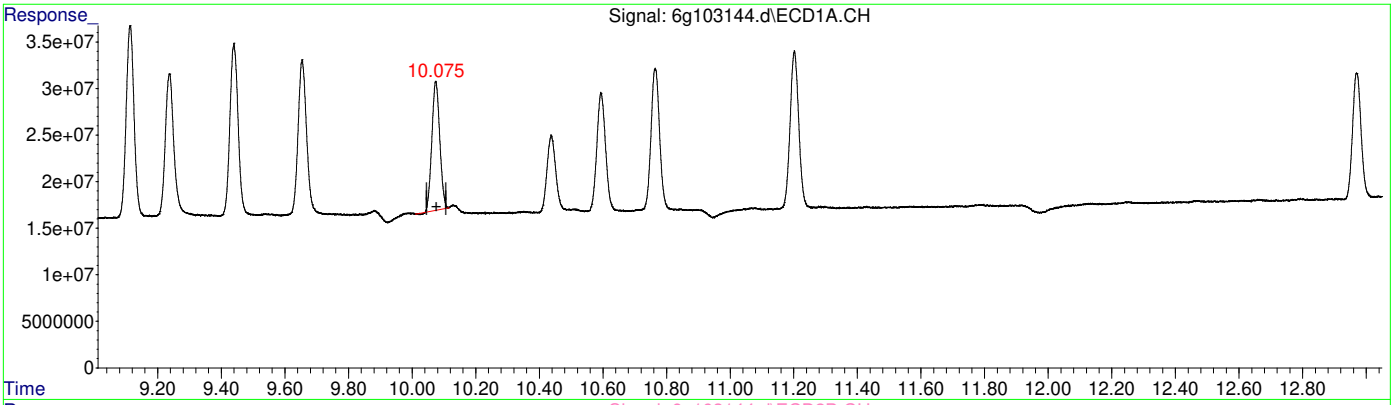
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:21:23 2024

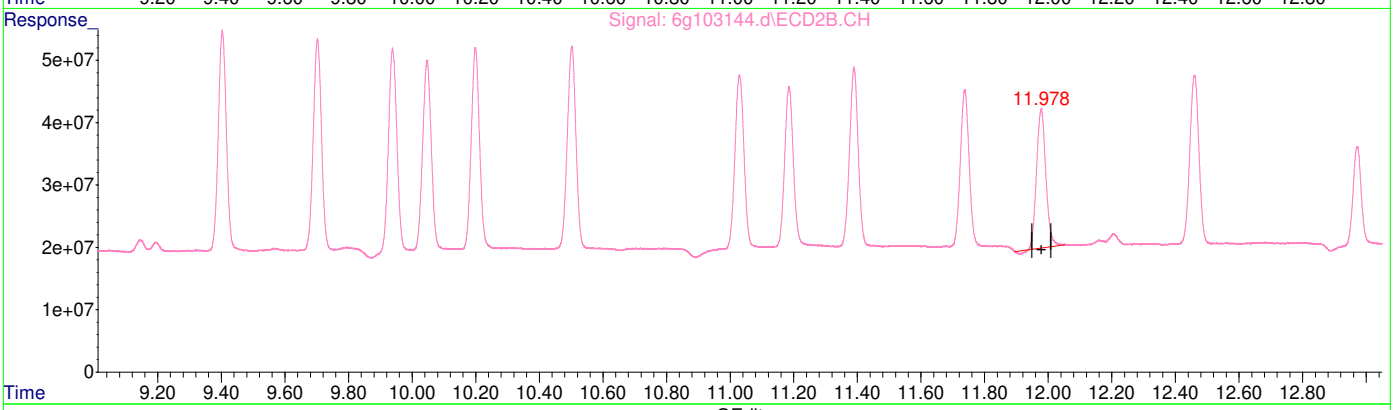
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103144.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:56 pm
Operator : rebeccak
Sample : ic3879-0.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 8 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:11:41 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(21) Endrin Aldehyde (B)

10.075min 0.416 PPB

response 239376284

(21) Endrin Aldehyde #2 (B)

11.978min 0.403 PPB

response 449088463

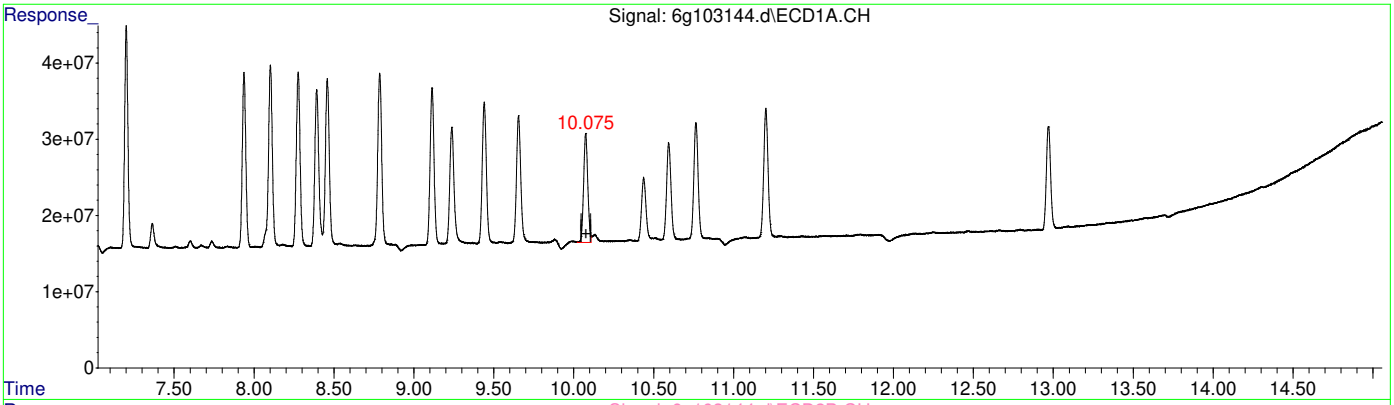
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:21:30 2024

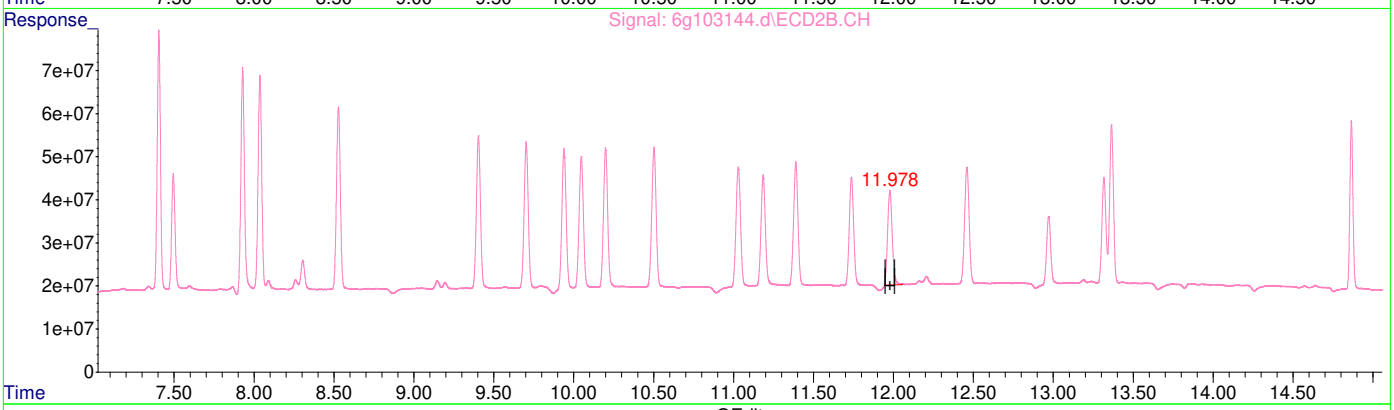
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103144.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:56 pm
Operator : rebeccak
Sample : ic3879-0.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 8 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:11:41 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(21) Endrin Aldehyde (B)

10.075min 0.451 PPB m

response 259542782

(21) Endrin Aldehyde #2 (B)

11.978min 0.395 PPB m

response 440200966

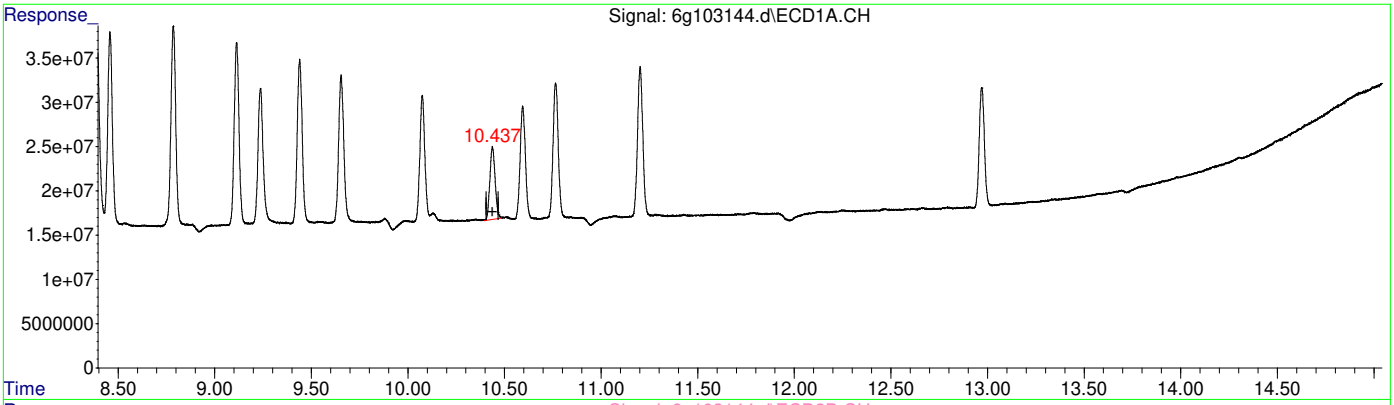
(+) = Expected Retention Time

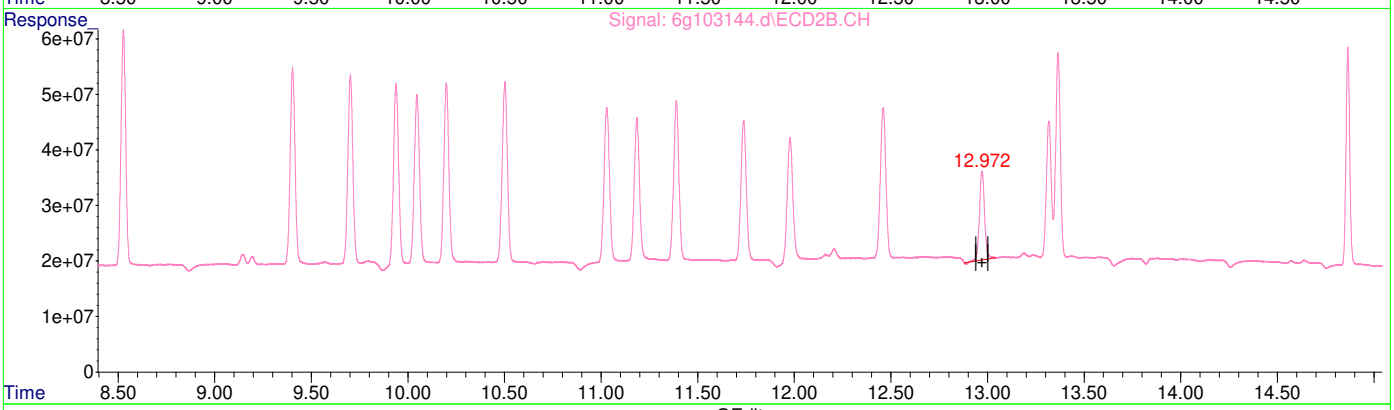
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103144.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:56 pm
Operator : rebeccak
Sample : ic3879-0.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 8 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:11:41 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(23) Methoxychlor (A)

10.437min 0.467 PPB

response 154991242

(23) Methoxychlor #2 (A)

12.972min 0.467 PPB

response 294641964

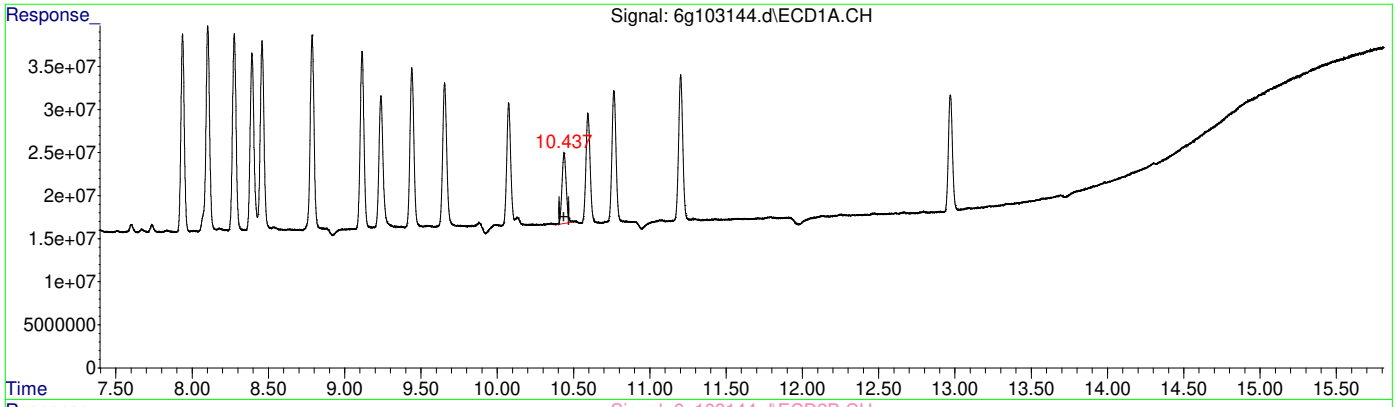
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:21:53 2024

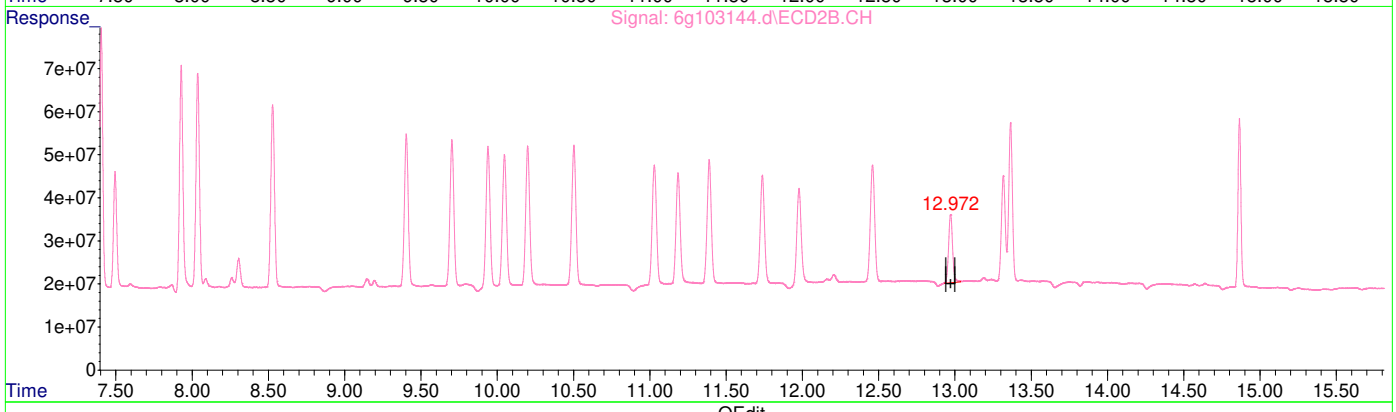
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103144.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 12:56 pm
Operator : rebeccak
Sample : ic3879-0.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 8 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:11:41 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(23) Methoxychlor (A)

10.437min 0.467 PPB

response 154991242

(23) Methoxychlor #2 (A)

12.972min 0.458 PPB m

response 288980805

(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:22:04 2024

Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug 12/09/24 11:00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103145.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 13:17 pm
Operator : rebeccak
Sample : ic3879-1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 9 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:32:03 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:28:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1)	I 1-bromo-2...	4.846	5.245	3016.7E6	5492.8E6	5.000	5.000
27)	I 1-bromo-2...	4.846	5.245	3016.7E6	5492.8E6	5.000	5.000
33)	I 1-bromo-2...	4.846	5.245	3016.7E6	5492.8E6	5.000	5.000
	System Monitoring Compounds						
2)	SAB Tetrachlo...	5.520	6.183	593.9E6	921.2E6	0.884m	0.787
	Spiked Amount 40.000	Range 30 - 150		Recovery =		2.21%#	1.97%#
26)	SA Decachlor...	12.970	14.865	498.5E6	996.2E6	0.617	1.126 #
	Spiked Amount 40.000			Recovery =		1.54%	2.81%
	Target Compounds						
3)	Hexachlor...	5.876	6.757	1009.6E6	1571.1E6	0.928m	0.811
4)	A alpha-BHC	6.032	6.929	994.1E6	1937.2E6	0.874	0.844m
5)	MA gamma-BHC	6.343	7.404	858.6E6	1552.7E6	0.863m	0.798
6)	MA Heptachlor	6.856	8.035	853.5E6	1437.1E6	0.903	0.783m
7)	B beta-BHC	6.426	7.494	382.8E6	719.0E6	0.896	0.828
8)	B delta-BHC	6.618	7.927	840.8E6	1522.7E6	0.860m	0.768
9)	MB Aldrin	7.201	8.527	816.2E6	1282.9E6	0.880	0.703
10)	Alachlor	7.362	8.304	98067313	192.4E6	1.014	1.013
11)	B Heptachlo...	7.936	9.403	625.4E6	1117.6E6	0.758	0.694
12)	B gamma-Chl...	8.101	9.702	737.2E6	1069.9E6	0.759	0.645
13)	B alpha-Chl...	8.275	9.938	709.6E6	1126.7E6	0.807	0.681
14)	A Endosulfan I	8.458	10.046	687.9E6	1033.6E6	0.826	0.681
15)	B 4,4'-DDE	8.389	10.198	676.7E6	1045.4E6	0.774	0.630
16)	MA Dieldrin	8.785	10.501	738.4E6	1099.8E6	0.803m	0.675
17)	MA Endrin	9.113	11.030	670.2E6	975.7E6	0.846m	0.758m
18)	A 4,4'-DDD	9.234	11.185	574.6E6	876.4E6	0.787	0.664
19)	B Endosulfa...	9.440	11.389	622.8E6	970.7E6	0.773	0.668
20)	MA 4,4'-DDT	9.654	11.738	596.7E6	888.1E6	0.802	0.628
21)	B Endrin Al...	10.074	11.978	494.9E6	805.1E6	0.773	0.672
22)	B Endosulfa...	10.763	12.460	533.0E6	962.6E6	0.707	0.757
23)	A Methoxychlor	10.435	12.971	310.9E6	518.0E6	0.842	0.765m
24)	Mirex	10.594	13.318	464.3E6	786.4E6	0.720	0.870
25)	B Endrin Ke...	11.201	13.364	600.6E6	1124.9E6	0.691	0.848
	Sum Toxaphene			0	0	N.D.	N.D.
Average	Toxaphene					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						

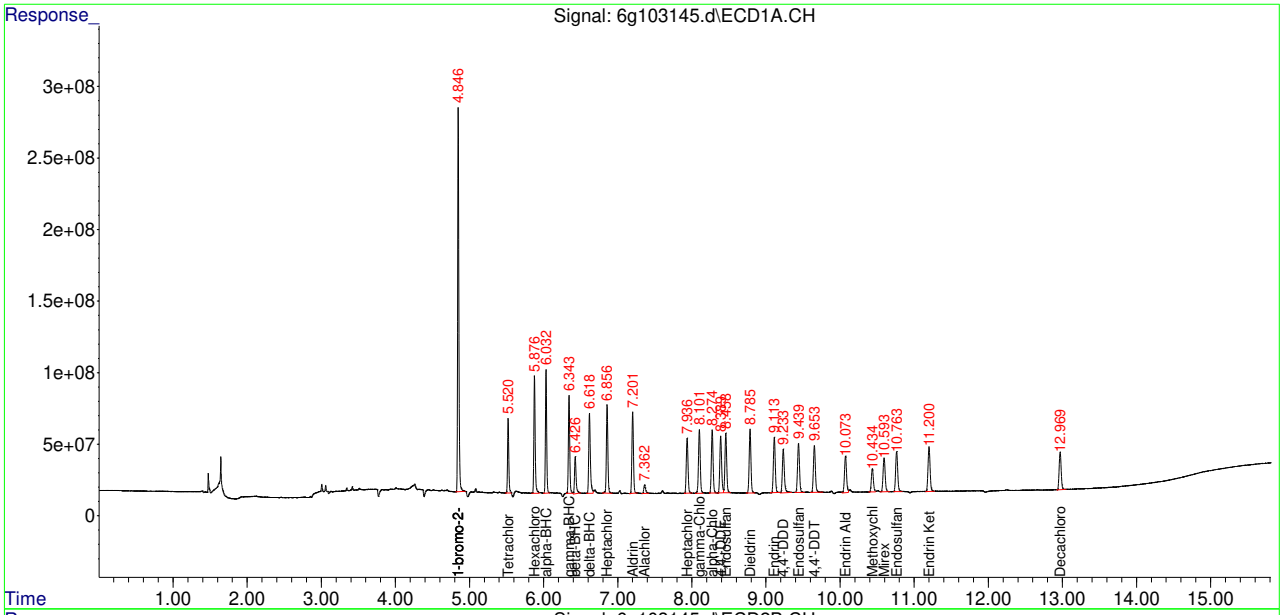
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

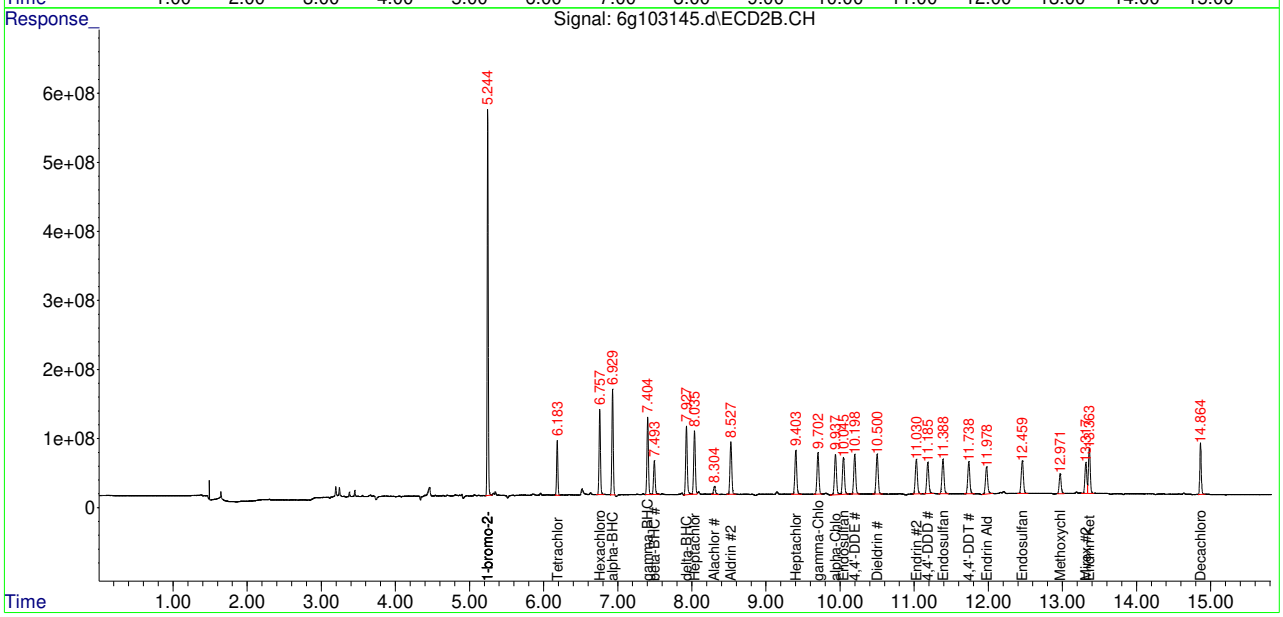
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103145.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 13:17 pm
Operator : rebeccak
Sample : ic3879-1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 9 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:32:03 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:28:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





Manual Integration Approval Summary

Sample Number: G6G3879-IC3879
Lab FileID: 6G103145.D
Injection Time: 12/06/24 13:17
Method: SW846 8081B
Analyst approved: 12/08/24 21:53 Rebecca Krug
Supervisor approved: 12/09/24 11:00 Rebecca Krug

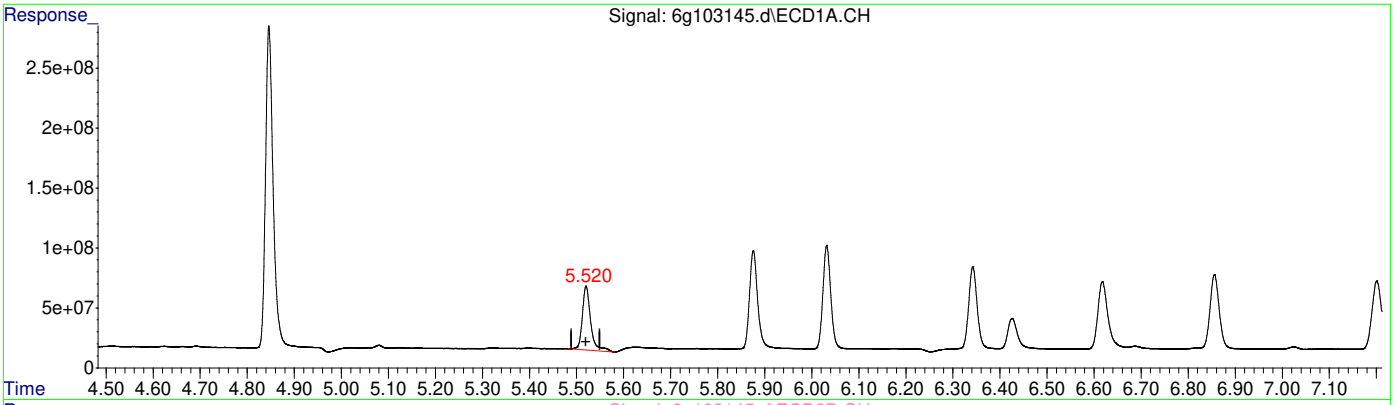
Parameter	CAS	Sig#	R.T. (min.)	Reason
Tetrachloro-m-xylene	877-09-8	1	5.52	Poorly defined baseline
Hexachlorobenzene	118-74-1	1	5.88	Poorly defined baseline
gamma-BHC (Lindane)	58-89-9	1	6.34	Poorly defined baseline
delta-BHC	319-86-8	1	6.62	Poorly defined baseline
alpha-BHC	319-84-6	2	6.93	Poorly defined baseline
Heptachlor	76-44-8	2	8.04	Poorly defined baseline
Dieldrin	60-57-1	1	8.78	Poorly defined baseline
Endrin	72-20-8	1	9.11	Poorly defined baseline
Endrin	72-20-8	2	11.03	Poorly defined baseline
Methoxychlor	72-43-5	2	12.97	Poorly defined baseline

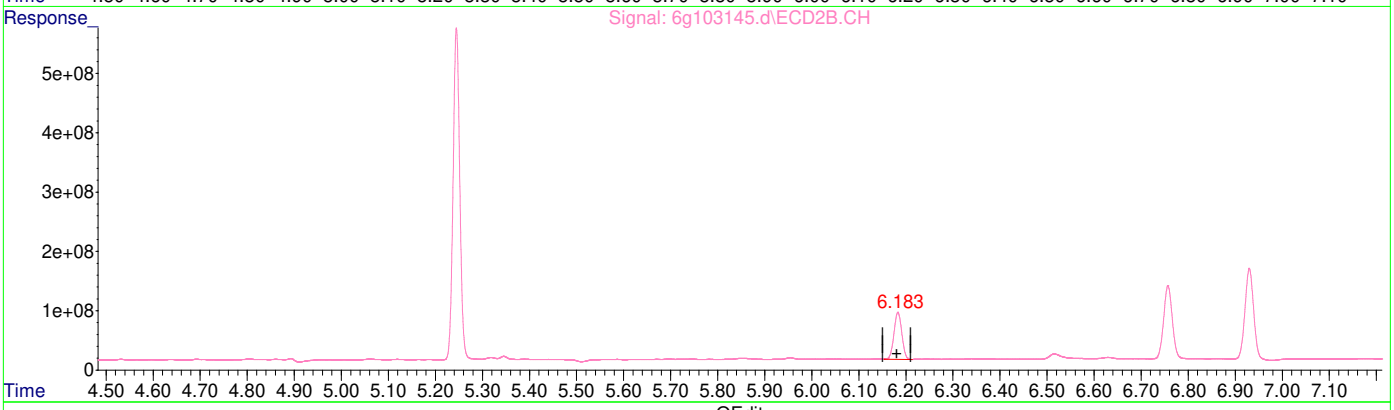
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103145.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 13:17 pm
Operator : rebeccak
Sample : ic3879-1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 9 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:22:31 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(2) Tetrachloro-m-xylene (SAB)

5.520min 0.984 PPB

response 660954462

(2) Tetrachloro-m-xylene #2 (SAB)

6.183min 0.787 PPB

response 920797754

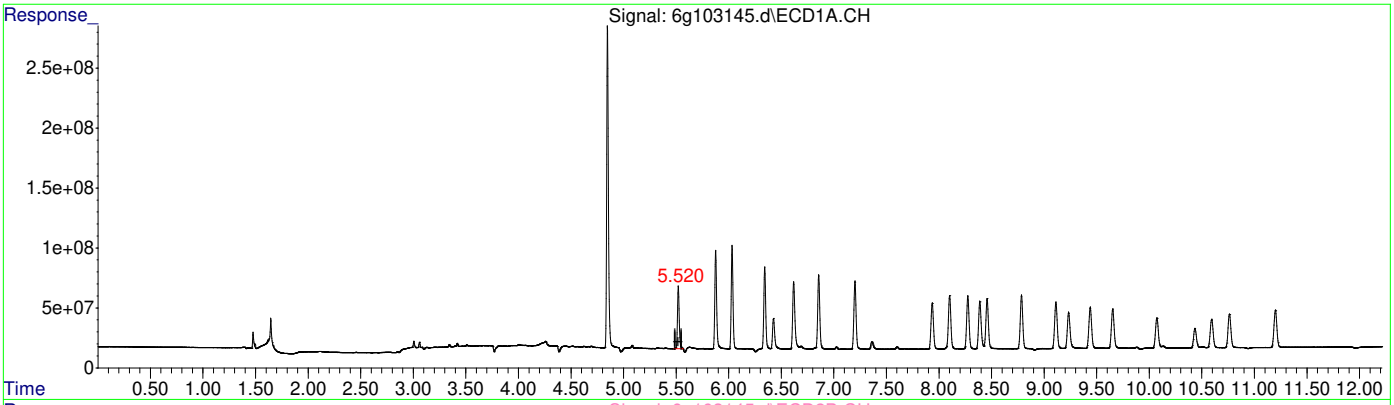
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:23:43 2024

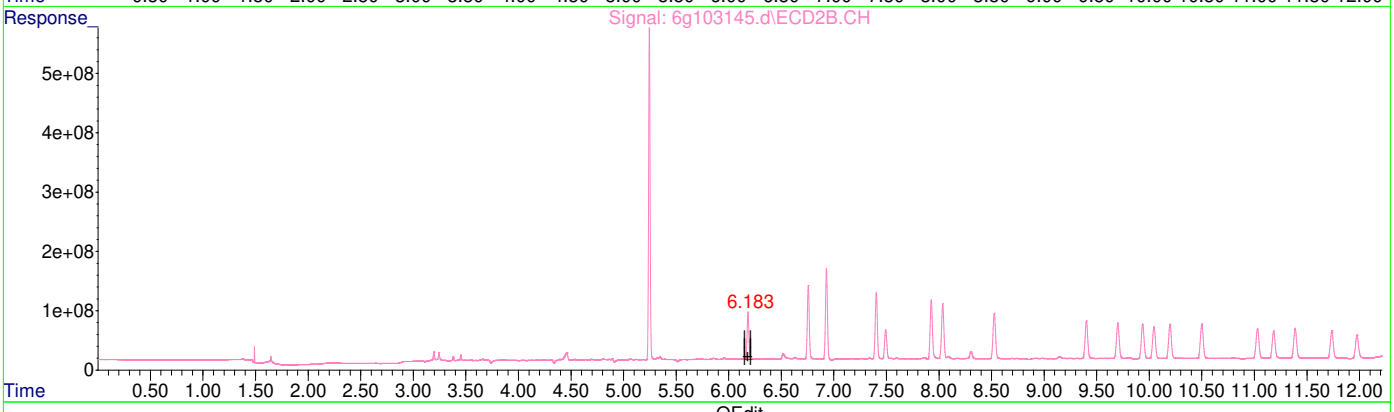
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103145.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 13:17 pm
Operator : rebeccak
Sample : ic3879-1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 9 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:22:31 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(2) Tetrachloro-m-xylene (SAB)

5.520min 0.879 PPB m

response 590557469

(2) Tetrachloro-m-xylene #2 (SAB)

6.183min 0.787 PPB

response 920797754

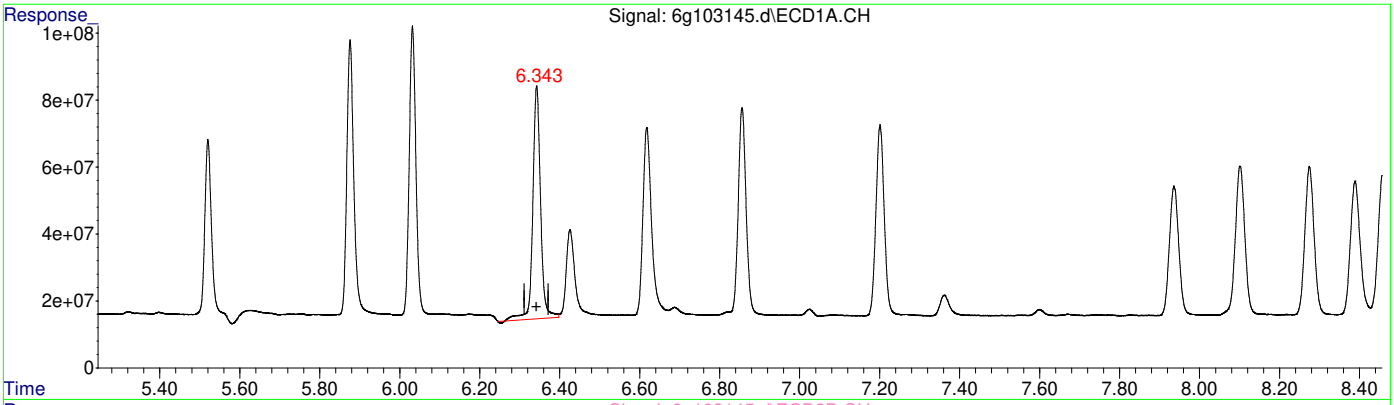
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:24:11 2024

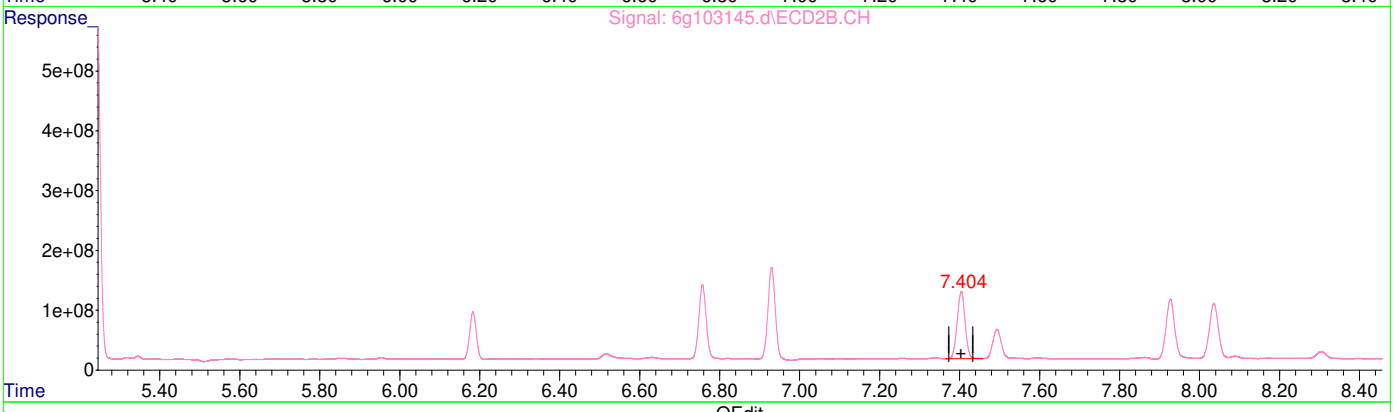
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103145.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 13:17 pm
Operator : rebeccak
Sample : ic3879-1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 9 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:22:31 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(5) gamma-BHC (MA)

6.343min 0.947 PPB

response 941842983

(5) gamma-BHC #2 (MA)

7.404min 0.800 PPB

response 1556871895

(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:24:24 2024

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103145.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 13:17 pm
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Sample : ic3879-1
Misc : op59754,g6g3879,5.0,,,10,1
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Integration File signal 2: autoint2.e
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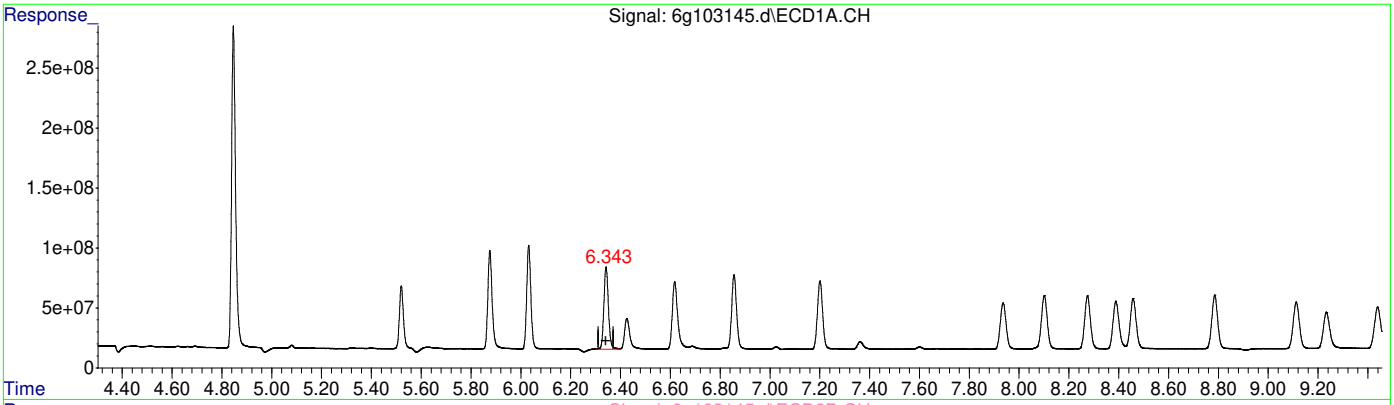
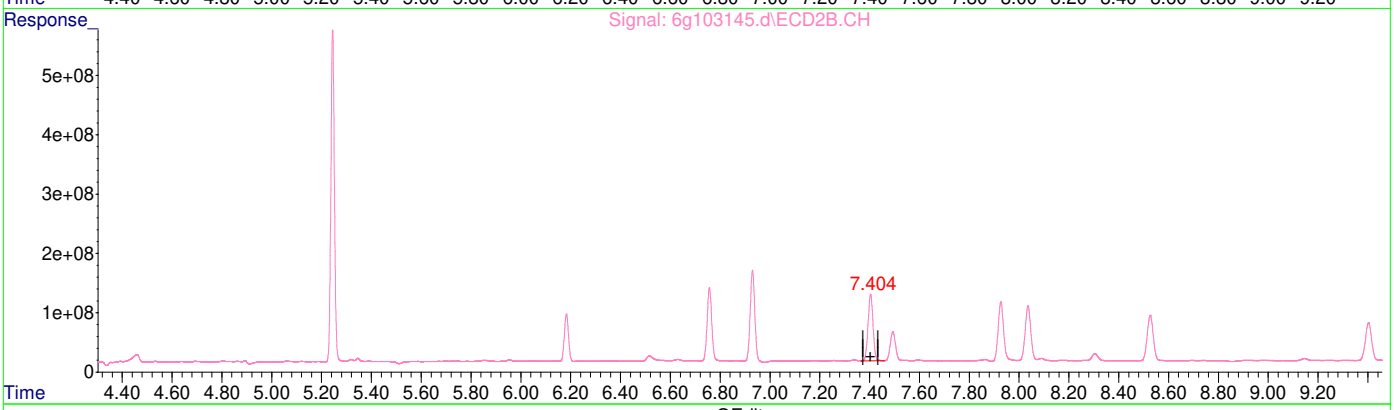
Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(5) gamma-BHC (MA)

6.343min 0.872 PPB m

response 867075573

(5) gamma-BHC #2 (MA)

7.404min 0.800 PPB

response 1556871895

(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:24:33 2024

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103145.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 13:17 pm
Operator : rebeccak
Sample : ic3879-1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 9 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:22:31 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
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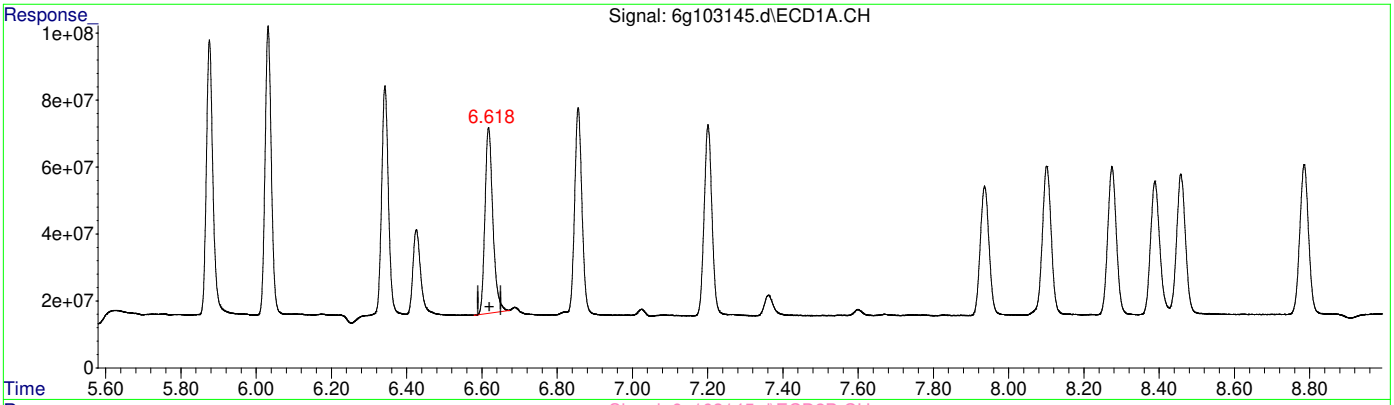
Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



(8) delta-BHC (B)

6.618min 0.826 PPB

response 807789233

(8) delta-BHC #2 (B)

7.927min 0.781 PPB

response 1549567822

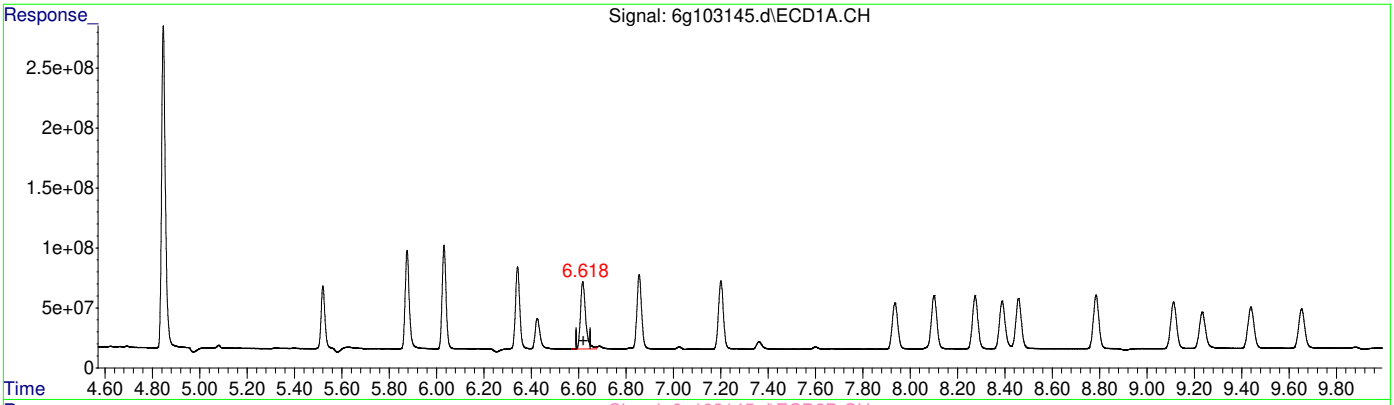
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:24:41 2024

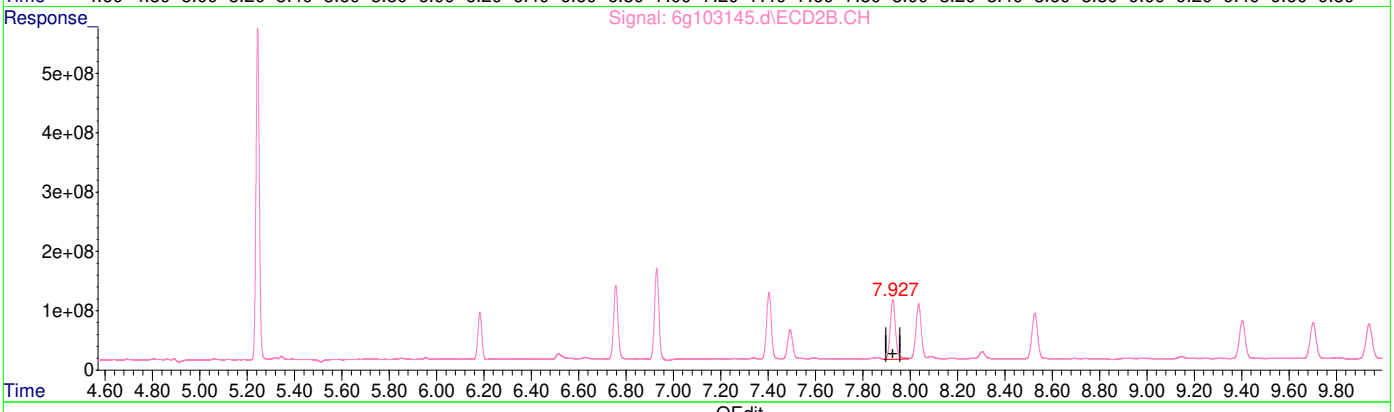
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103145.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 13:17 pm
Operator : rebeccak
Sample : ic3879-1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 9 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:22:31 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(8) delta-BHC (B)

6.618min 0.870 PPB m

response 850547629

(8) delta-BHC #2 (B)

7.927min 0.781 PPB

response 1549567822

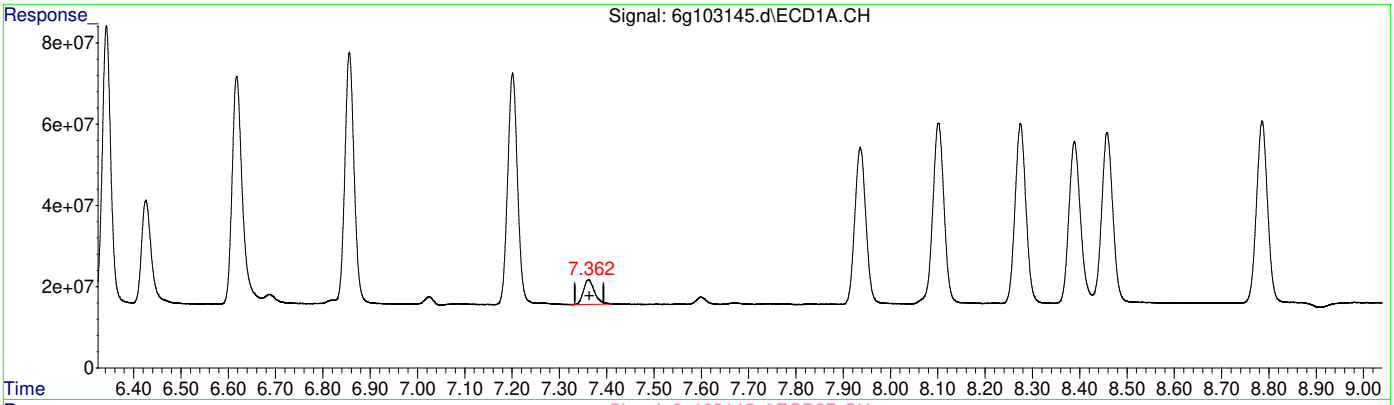
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:24:49 2024

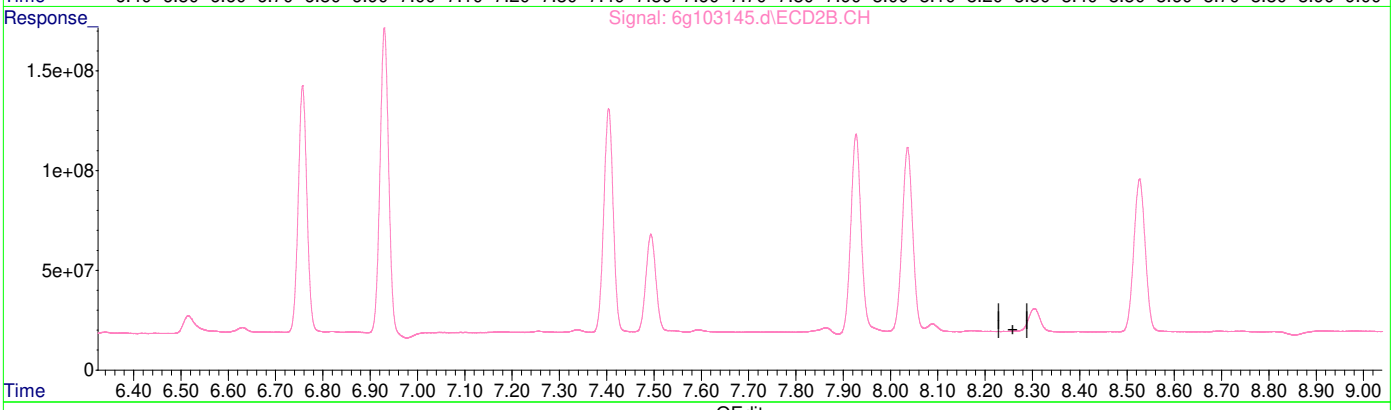
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103145.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 13:17 pm
Operator : rebeccak
Sample : ic3879-1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 9 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:22:31 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(10) Alachlor

7.362min 1.014 PPB

response 98067313

(10) Alachlor #2

0.000min 0.000 PPB

response 0

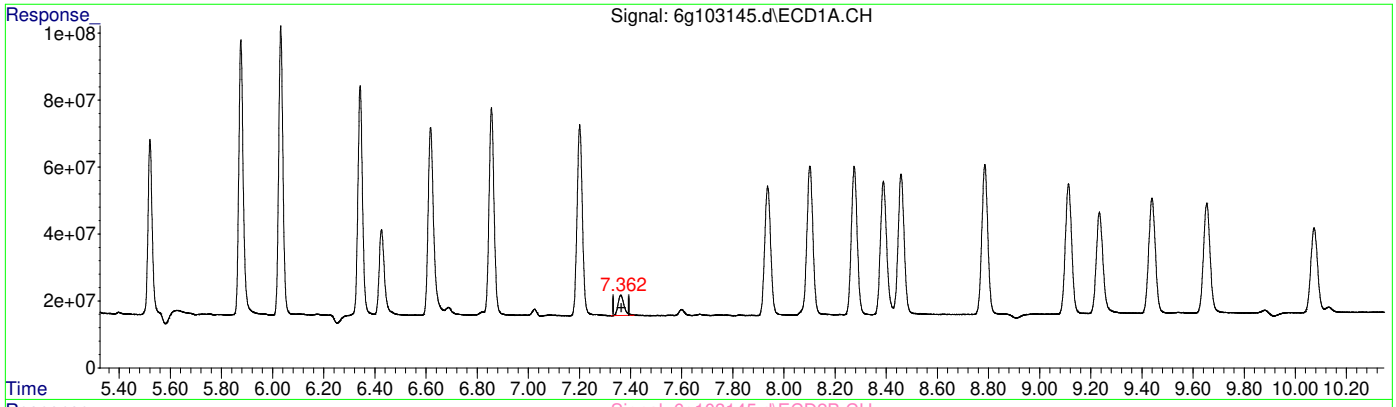
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:24:55 2024

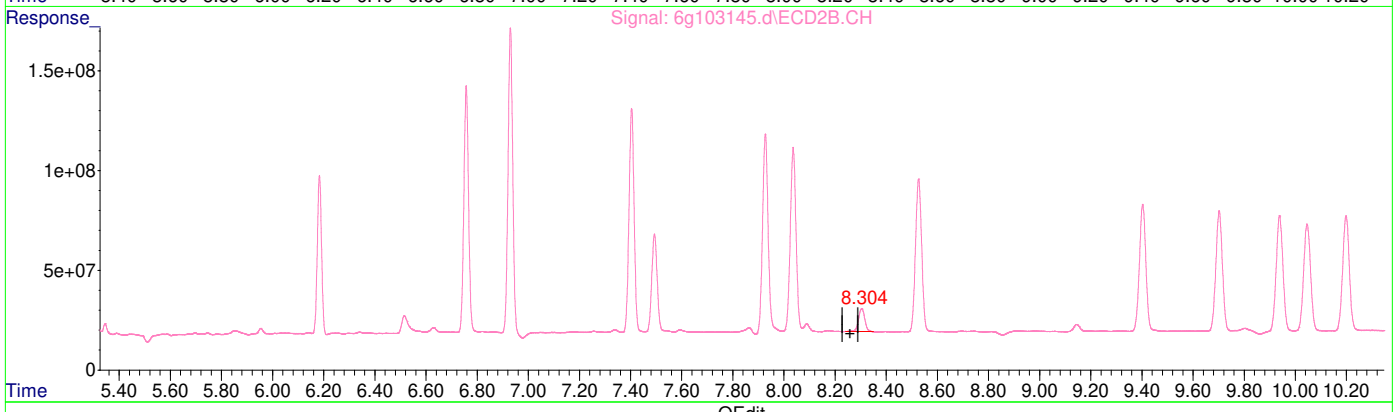
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103145.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 13:17 pm
Operator : rebeccak
Sample : ic3879-1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 9 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:22:31 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(10) Alachlor

7.362min 1.014 PPB

response 98067313

(10) Alachlor #2

8.304min 1.025 PPB m

response 194805749

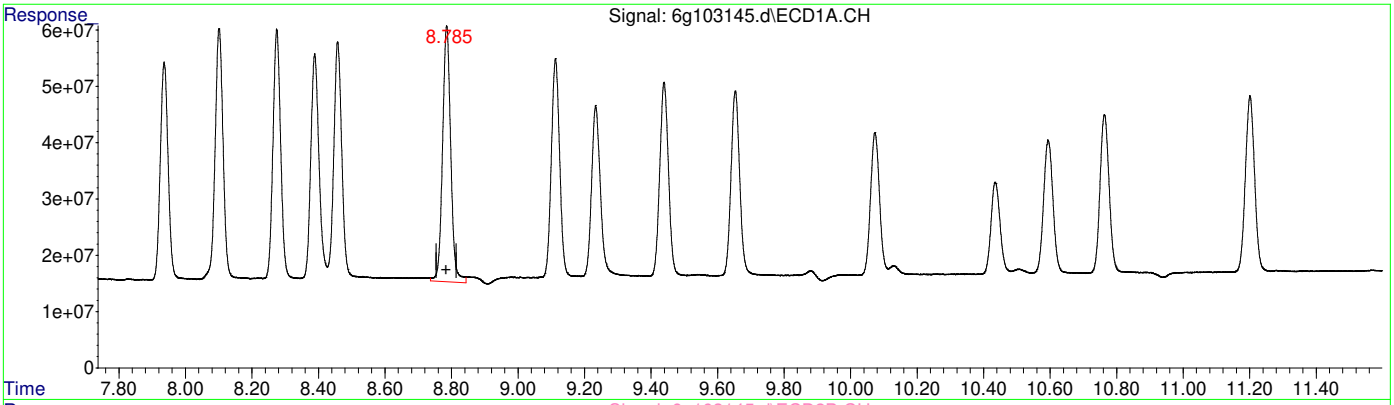
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:25:15 2024

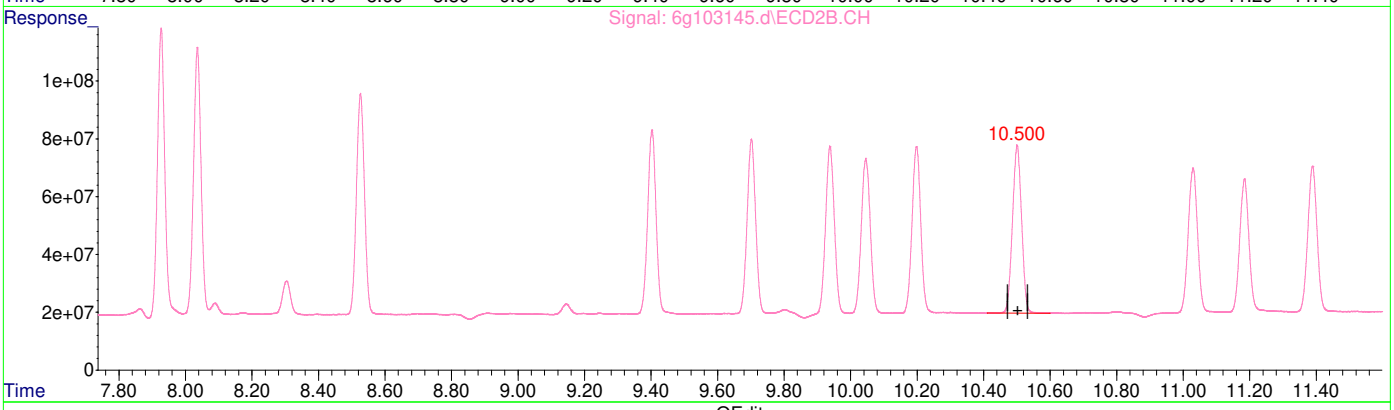
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103145.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 13:17 pm
Operator : rebeccak
Sample : ic3879-1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 9 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:22:31 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(16) Dieldrin (MA)

8.786min 0.842 PPB

response 775070980

(16) Dieldrin #2 (MA)

10.501min 0.682 PPB

response 1111099836

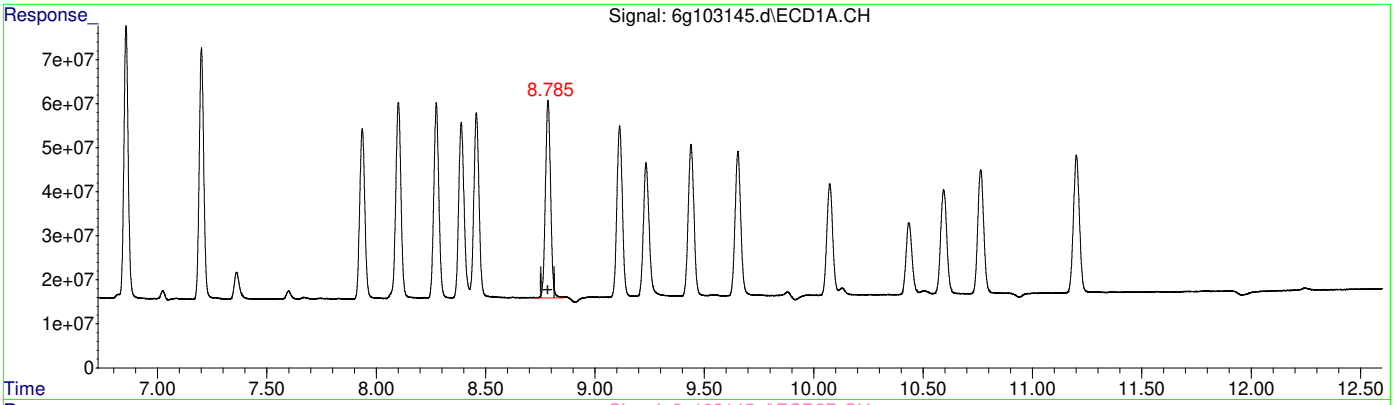
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:25:49 2024

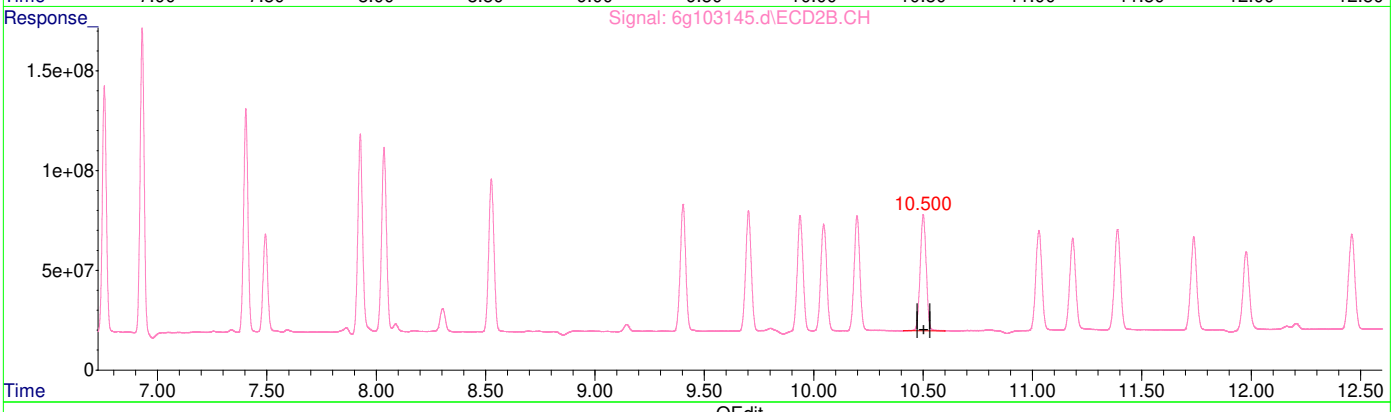
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103145.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 13:17 pm
Operator : rebeccak
Sample : ic3879-1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 9 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:22:31 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(16) Dieldrin (MA)

8.785min 0.802 PPB m

response 738004053

(16) Dieldrin #2 (MA)

10.501min 0.682 PPB

response 1111099836

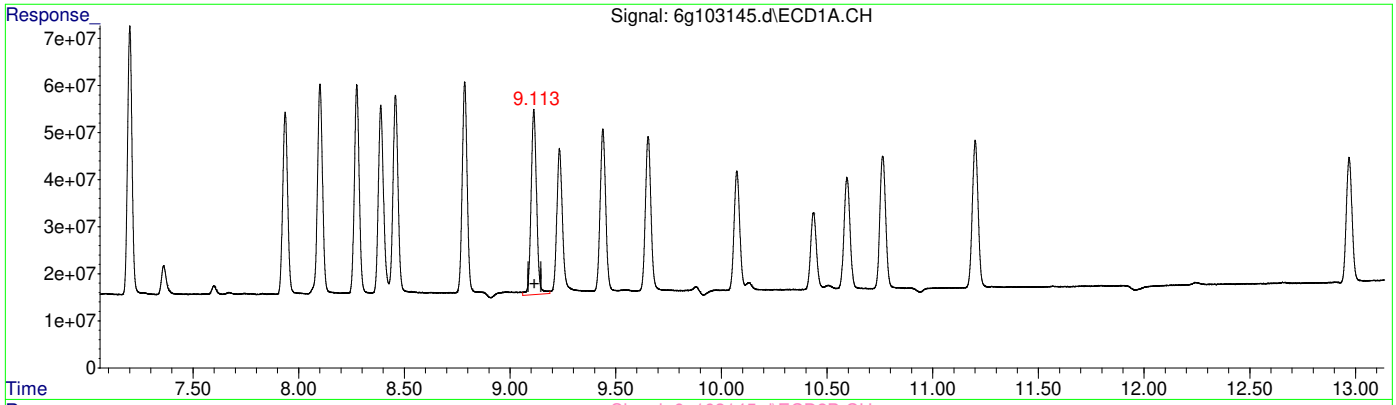
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:26:13 2024

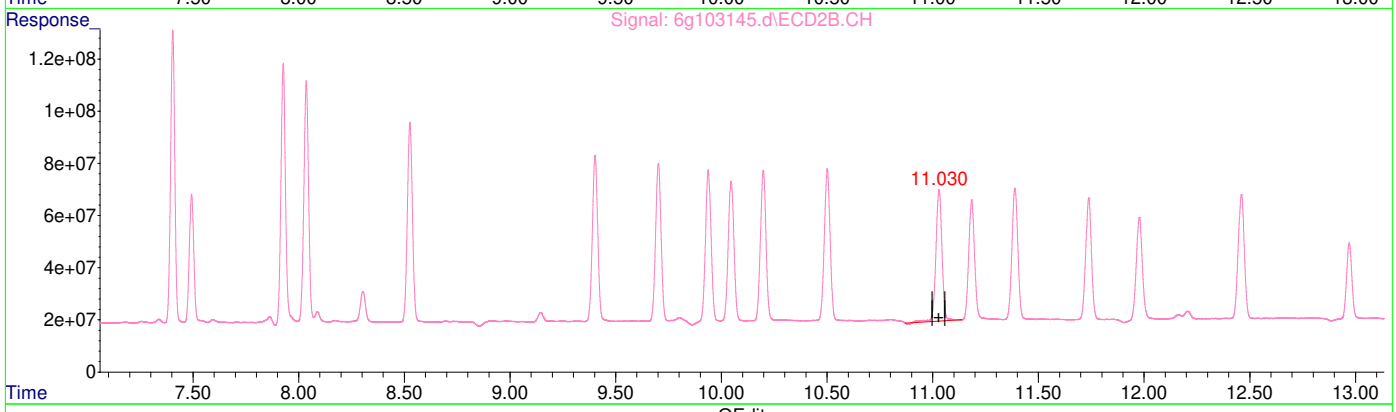
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103145.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 13:17 pm
Operator : rebeccak
Sample : ic3879-1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 9 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:22:31 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(17) Endrin (MA)

9.113min 0.901 PPB

response 713507462

(17) Endrin #2 (MA)

11.030min 0.798 PPB

response 1027967880

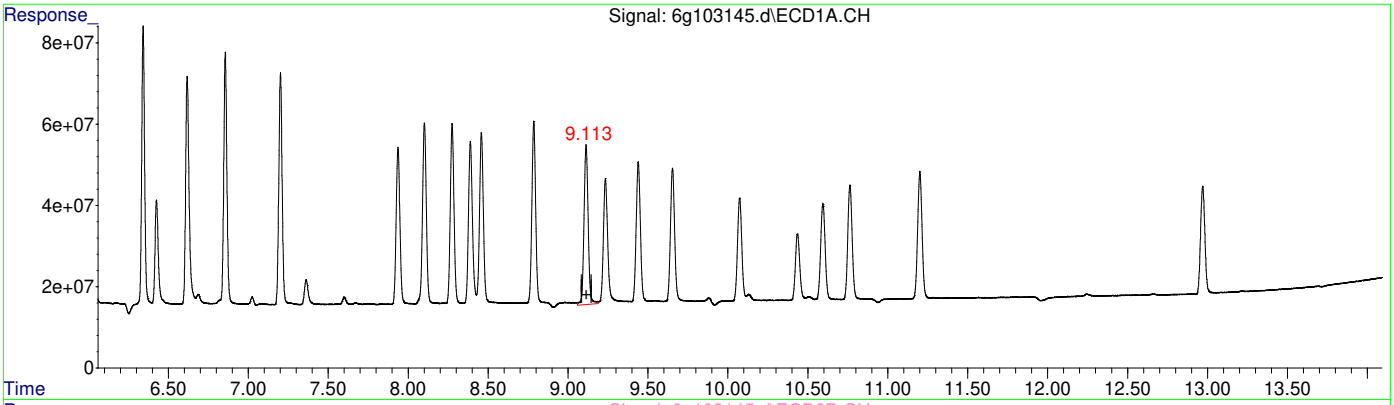
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:26:21 2024

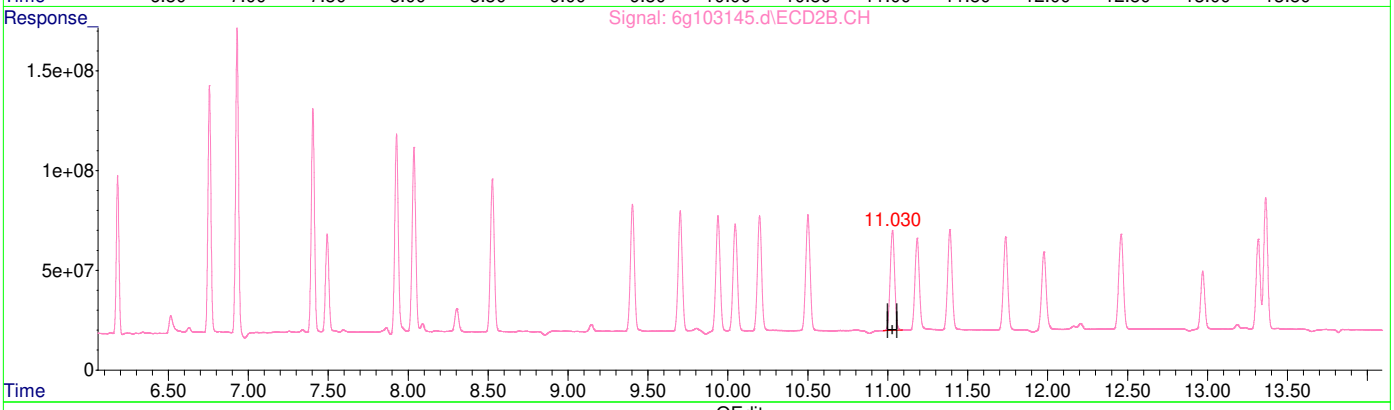
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103145.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 13:17 pm
Operator : rebeccak
Sample : ic3879-1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 9 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:22:31 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:00:48 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(17) Endrin (MA)

9.113min 0.901 PPB

response 713507462

(17) Endrin #2 (MA)

11.030min 0.758 PPB m

response 976521418

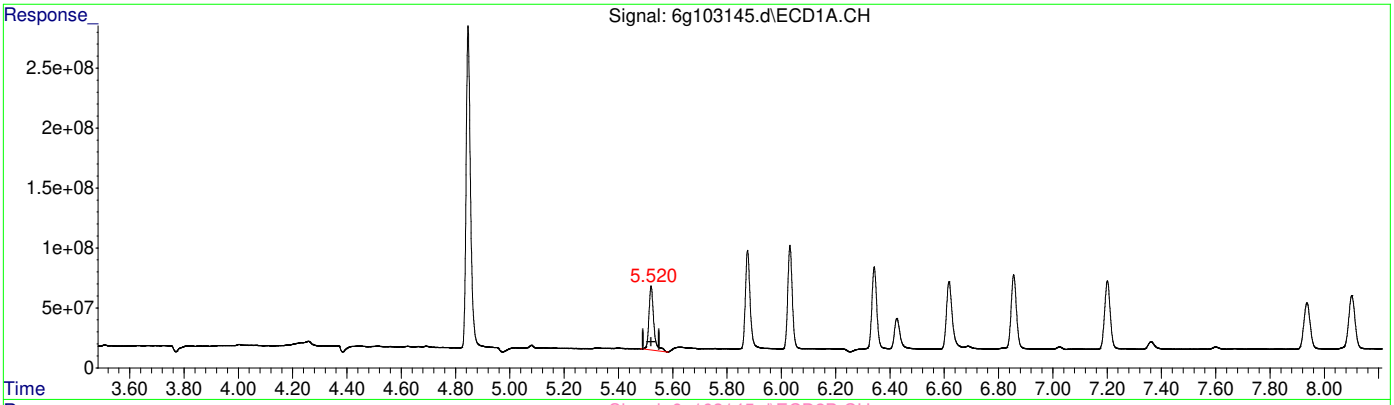
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:26:28 2024

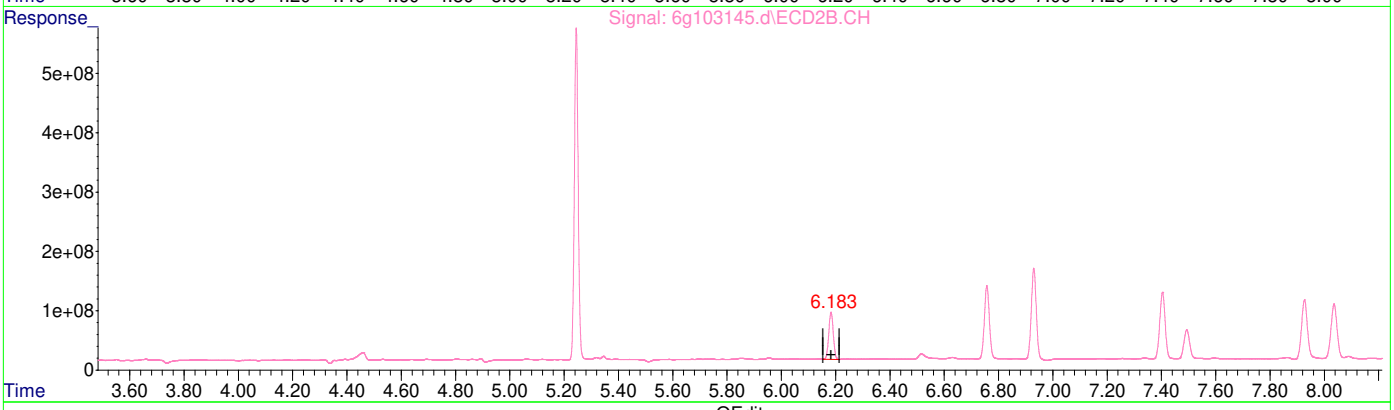
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103145.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 13:17 pm
Operator : rebeccak
Sample : ic3879-1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 9 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:28:58 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:28:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(2) Tetrachloro-m-xylene (SAB)

5.520min 0.984 PPB

response 660954462

(2) Tetrachloro-m-xylene #2 (SAB)

6.183min 0.787 PPB

response 921192470

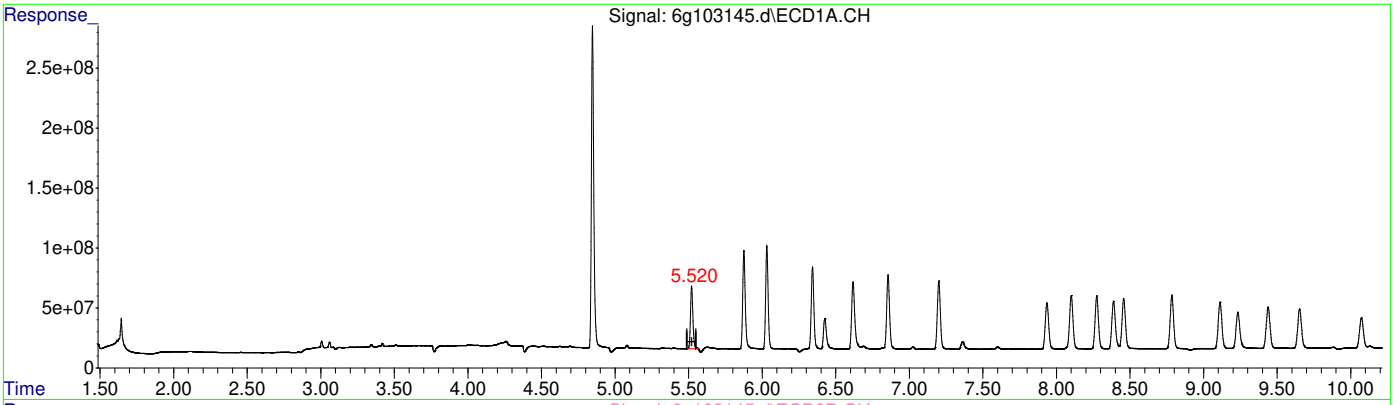
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:29:16 2024

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103145.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 13:17 pm
Operator : rebeccak
Sample : ic3879-1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 9 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:28:58 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:28:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



QEdit

(2) Tetrachloro-m-xylene (SAB)

5.520min 0.884 PPB m

response 593922535

(2) Tetrachloro-m-xylene #2 (SAB)

6.183min 0.787 PPB

response 921192470

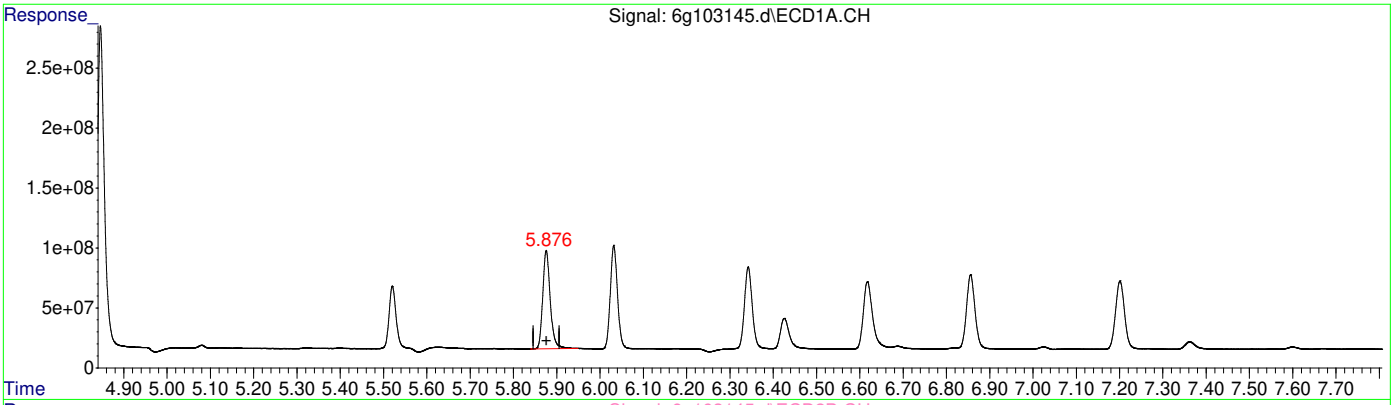
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:29:27 2024

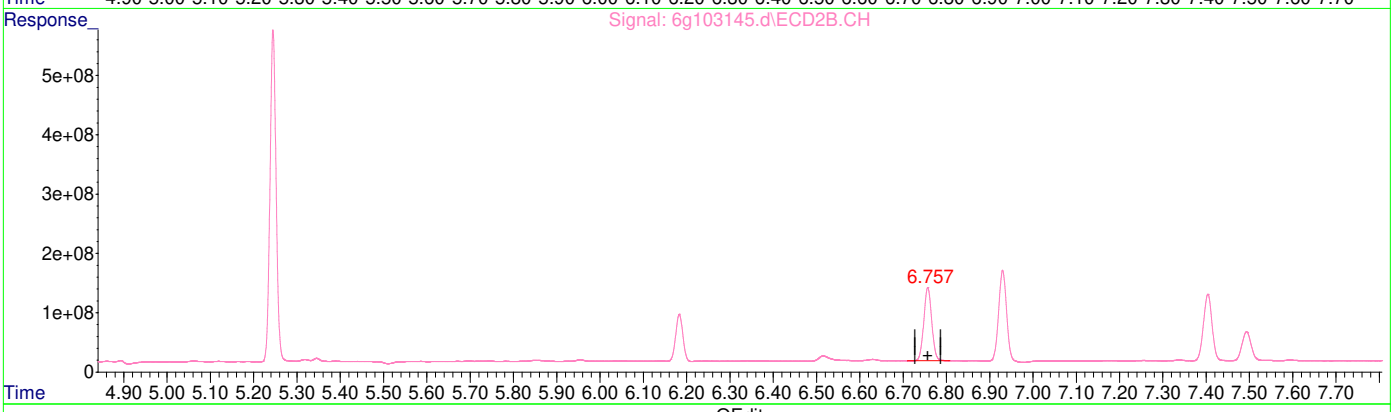
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103145.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 13:17 pm
Operator : rebeccak
Sample : ic3879-1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 9 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:28:58 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:28:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(3) Hexachlorobenzene

5.876min 0.906 PPB

response 985896032

(3) Hexachlorobenzene #2

6.757min 0.811 PPB

response 1571083211

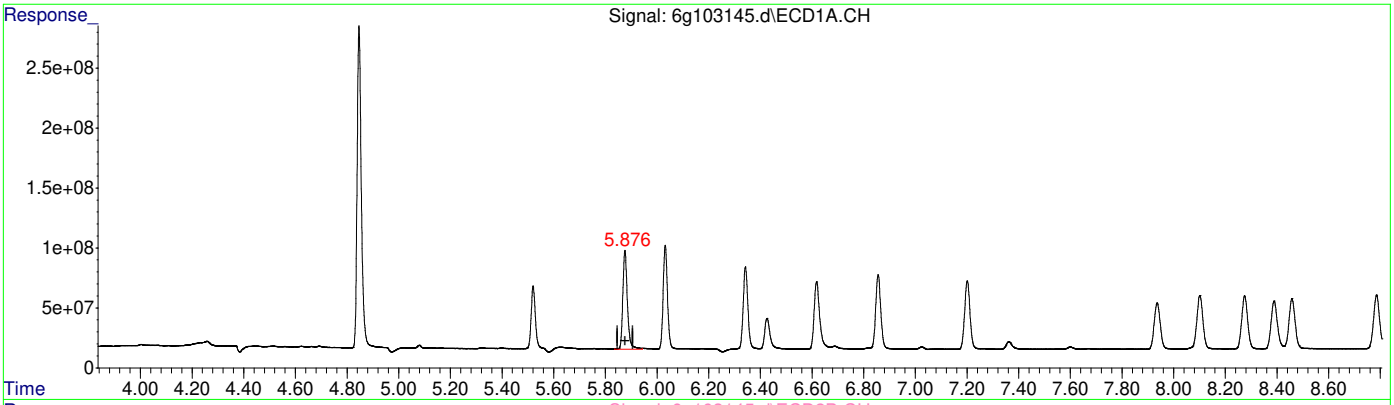
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:29:31 2024

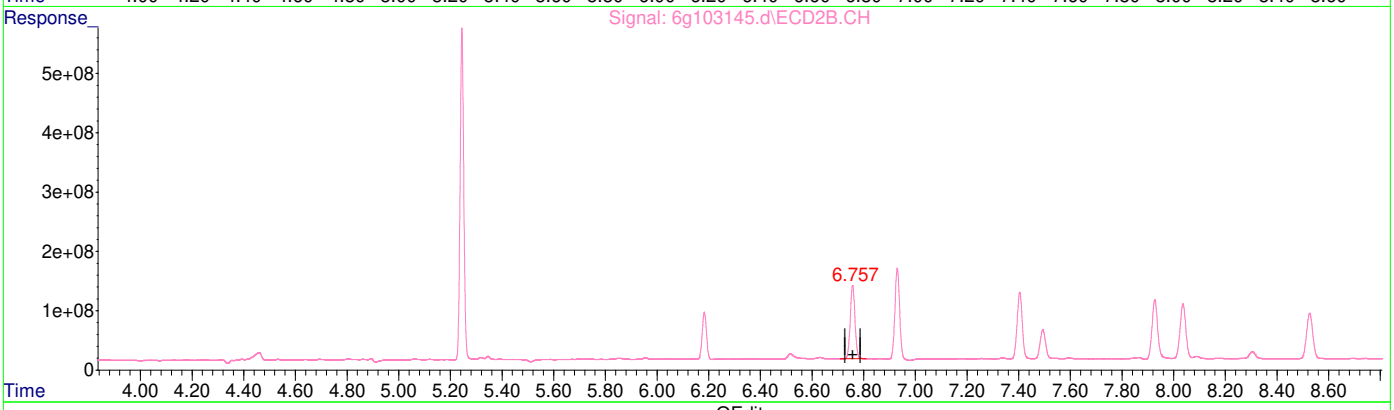
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103145.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 13:17 pm
Operator : rebeccak
Sample : ic3879-1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 9 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:28:58 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:28:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(3) Hexachlorobenzene

5.876min 0.928 PPB m

response 1009639949

(3) Hexachlorobenzene #2

6.757min 0.811 PPB

response 1571083211

(+) = Expected Retention Time

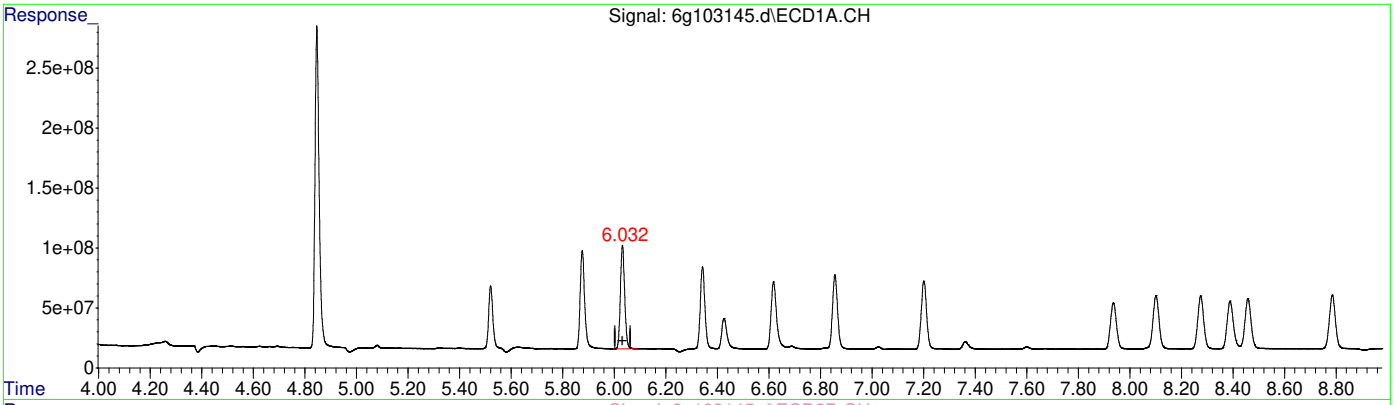
6PSTLVI3879a.M Fri Dec 06 18:29:41 2024

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103145.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 13:17 pm
Operator : rebeccak
Sample : ic3879-1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 9 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:28:58 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:28:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



QEdit

(4) alpha-BHC (A)

6.032min 0.874 PPB

response 994092787

(4) alpha-BHC #2 (A)

6.930min 0.881 PPB

response 2021441119

(+) = Expected Retention Time

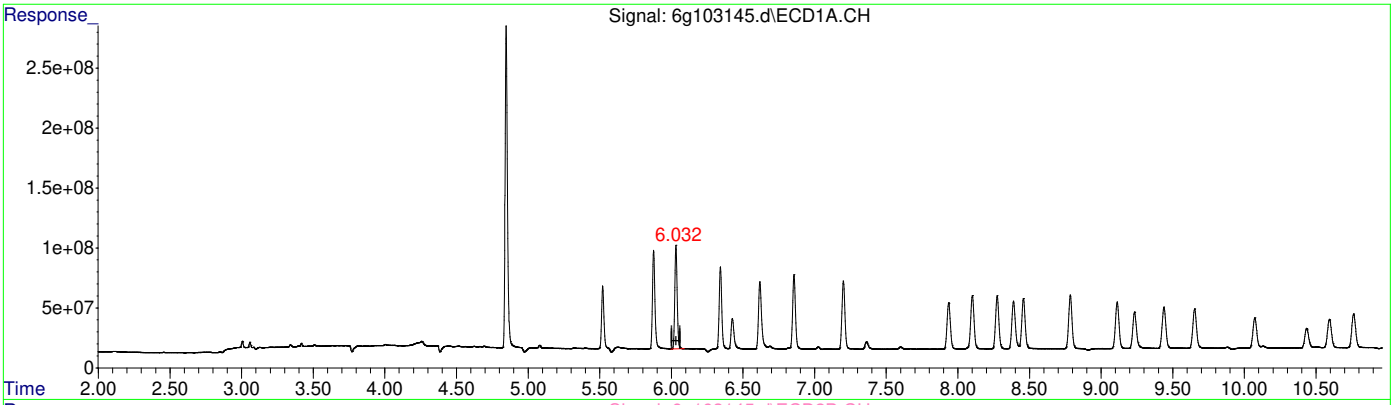
6PSTLVI3879a.M Fri Dec 06 18:29:48 2024 Page: 1

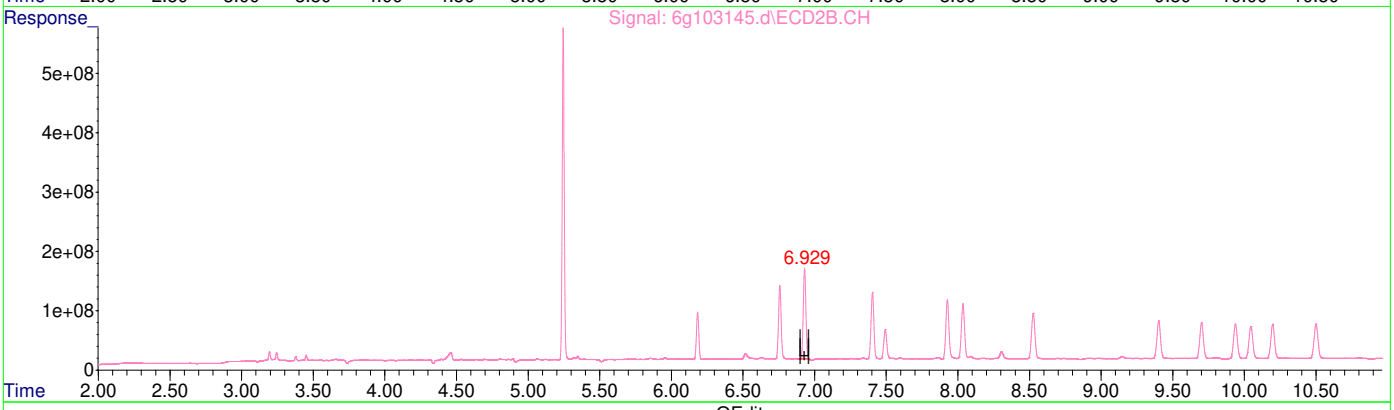
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103145.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 13:17 pm
Operator : rebeccak
Sample : ic3879-1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 9 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:28:58 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:28:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(4) alpha-BHC (A)

6.032min 0.874 PPB

response 994092787

(4) alpha-BHC #2 (A)

6.929min 0.844 PPB m

response 1937211057

(+) = Expected Retention Time

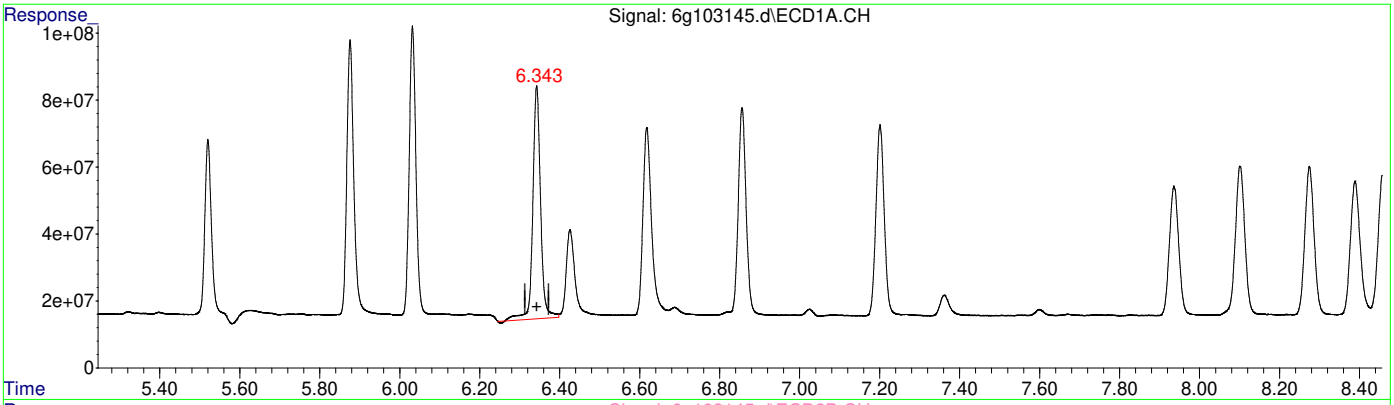
6PSTLVI3879a.M Fri Dec 06 18:30:00 2024

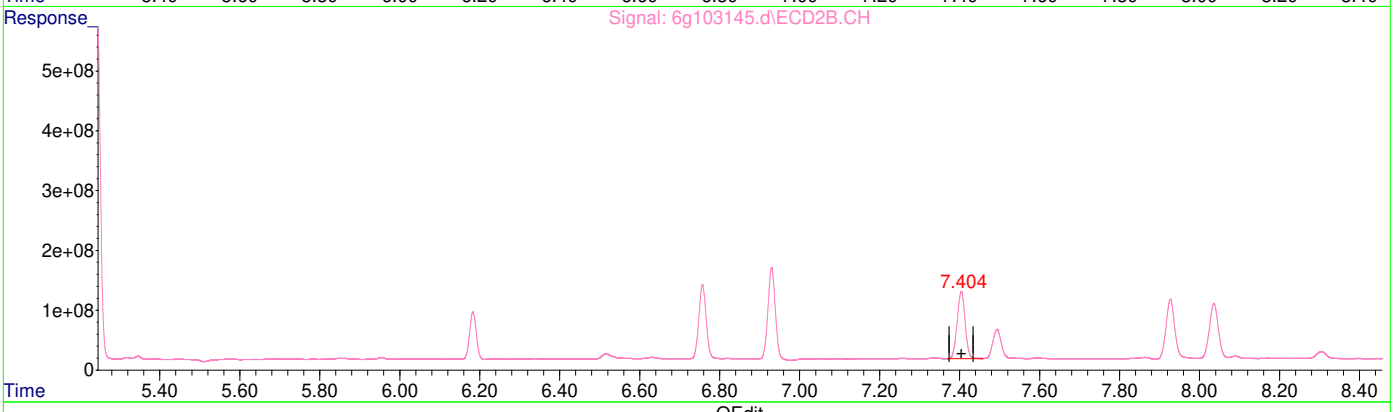
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103145.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 13:17 pm
Operator : rebeccak
Sample : ic3879-1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 9 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:28:58 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:28:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(5) gamma-BHC (MA)

6.343min 0.947 PPB

response 941842983

(5) gamma-BHC #2 (MA)

7.404min 0.798 PPB

response 1552681675

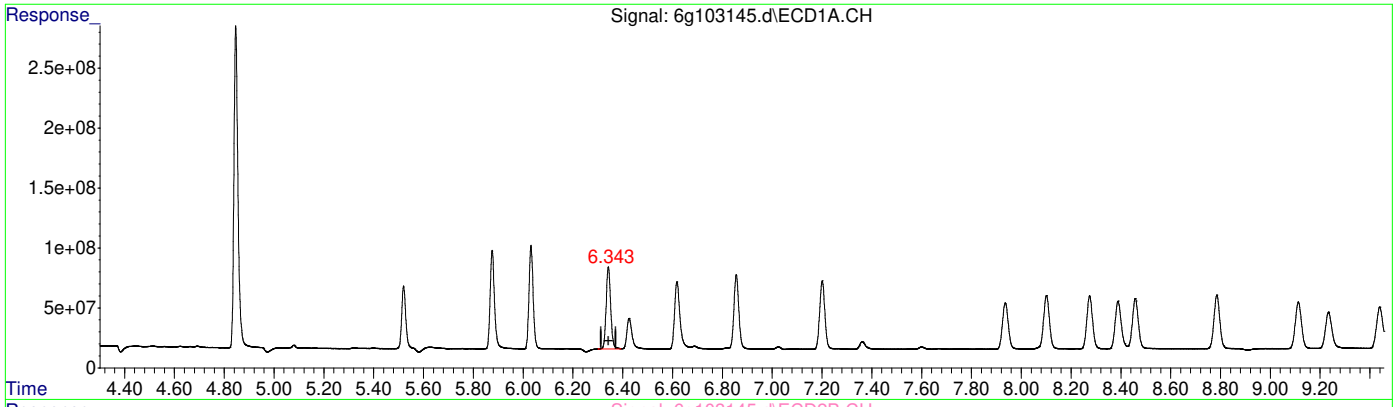
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:30:05 2024

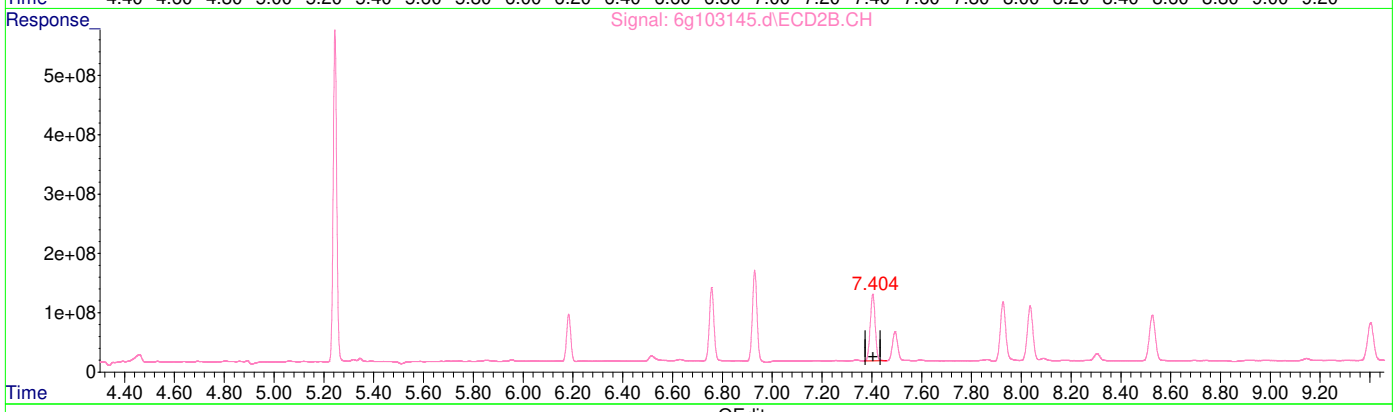
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103145.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 13:17 pm
Operator : rebeccak
Sample : ic3879-1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 9 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:28:58 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:28:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(5) gamma-BHC (MA)

6.343min 0.863 PPB m

response 858586778

(5) gamma-BHC #2 (MA)

7.404min 0.798 PPB

response 1552681675

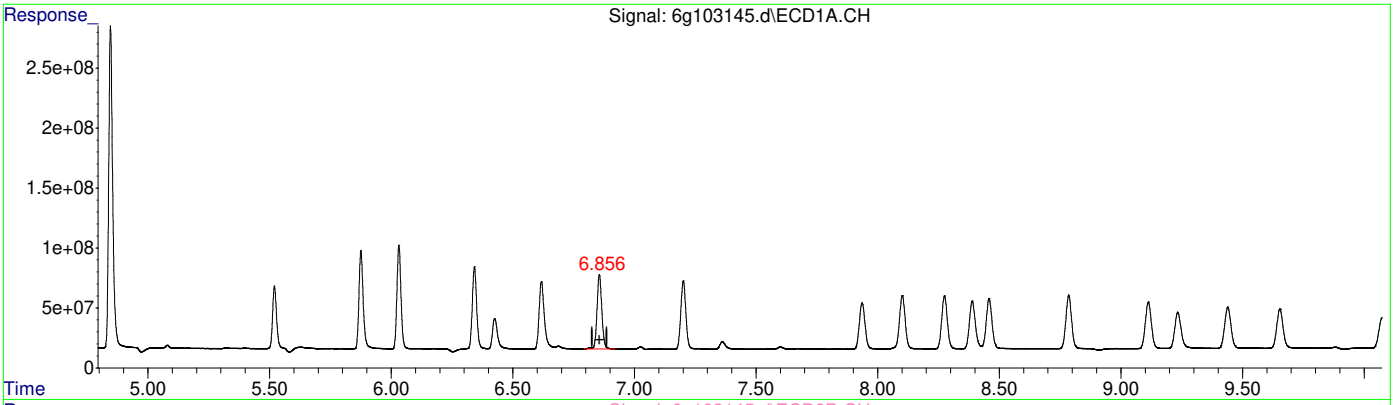
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:30:18 2024

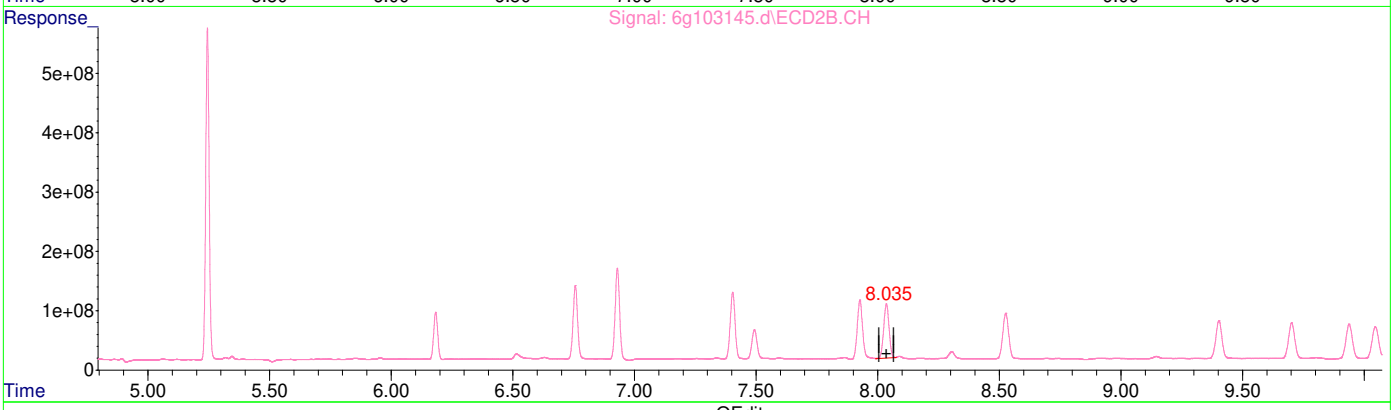
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103145.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 13:17 pm
Operator : rebeccak
Sample : ic3879-1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 9 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:28:58 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:28:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(6) Heptachlor (MA)

6.856min 0.903 PPB

response 853452841

(6) Heptachlor #2 (MA)

8.036min 0.762 PPB

response 1400328939

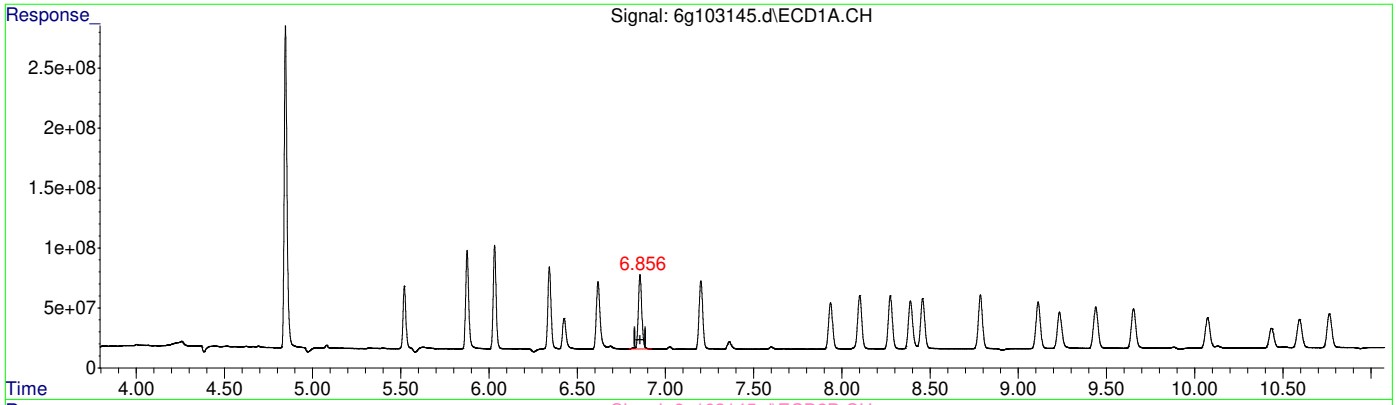
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:30:27 2024

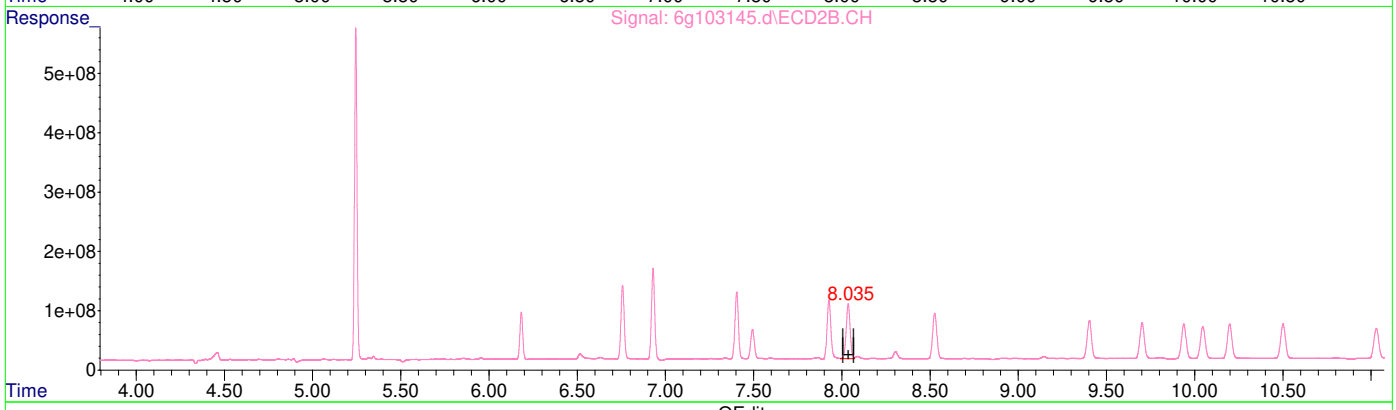
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103145.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 13:17 pm
Operator : rebeccak
Sample : ic3879-1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 9 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:28:58 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:28:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(6) Heptachlor (MA)

6.856min 0.903 PPB

response 853452841

(6) Heptachlor #2 (MA)

8.035min 0.783 PPB m

response 1437143468

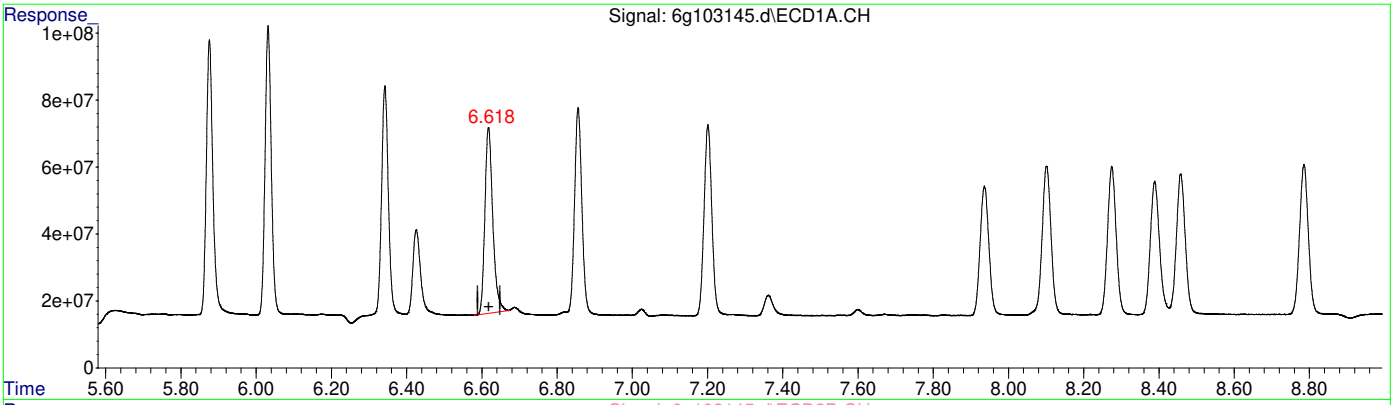
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:30:39 2024

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103145.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 13:17 pm
Operator : rebeccak
Sample : ic3879-1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 9 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:28:58 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:28:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



(8) delta-BHC (B)

6.618min 0.826 PPB

response 807789233

(8) delta-BHC #2 (B)

7.927min 0.768 PPB

response 1522722165

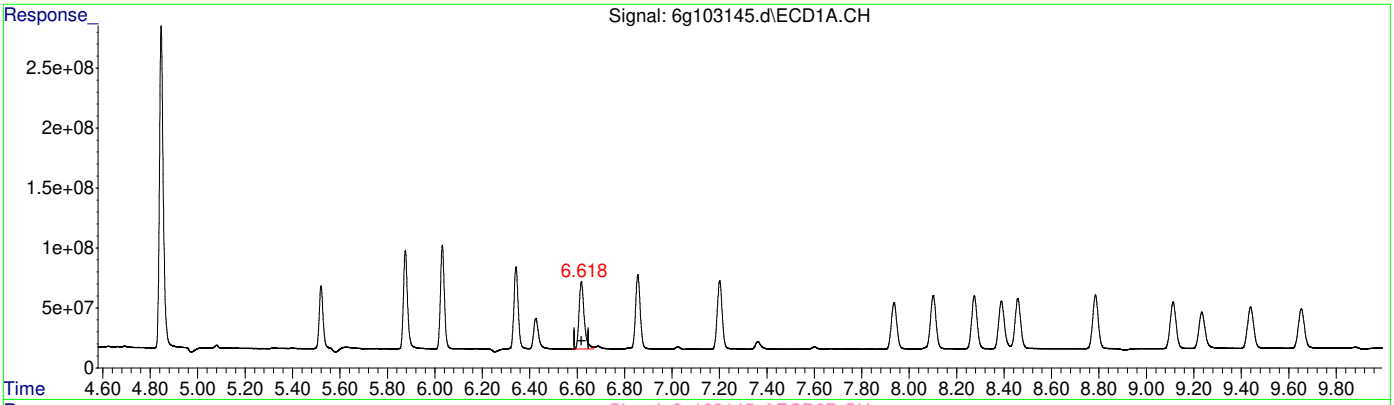
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:30:45 2024

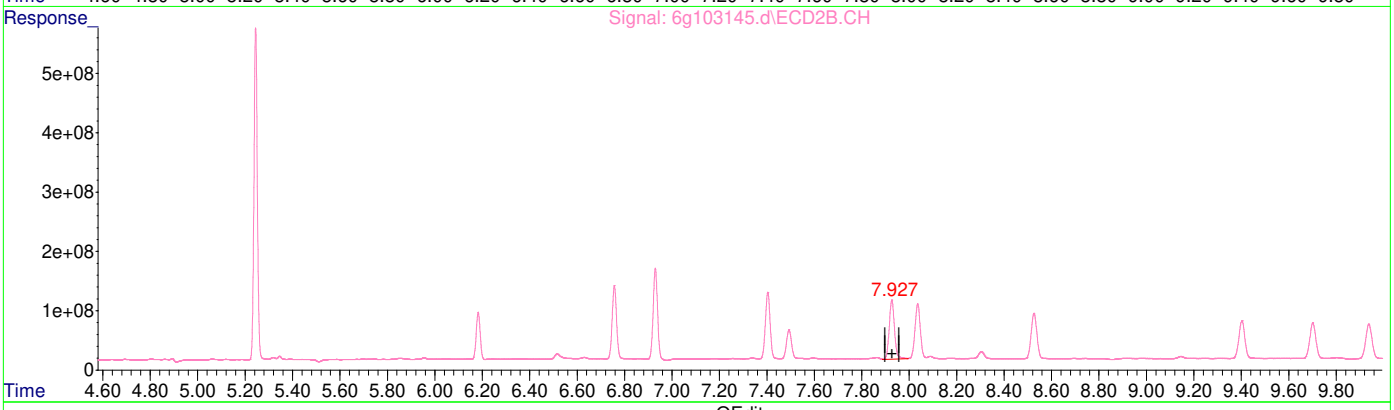
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103145.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 13:17 pm
Operator : rebeccak
Sample : ic3879-1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 9 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:28:58 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:28:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(8) delta-BHC (B)

6.618min 0.860 PPB m

response 840752060

(8) delta-BHC #2 (B)

7.927min 0.768 PPB

response 1522722165

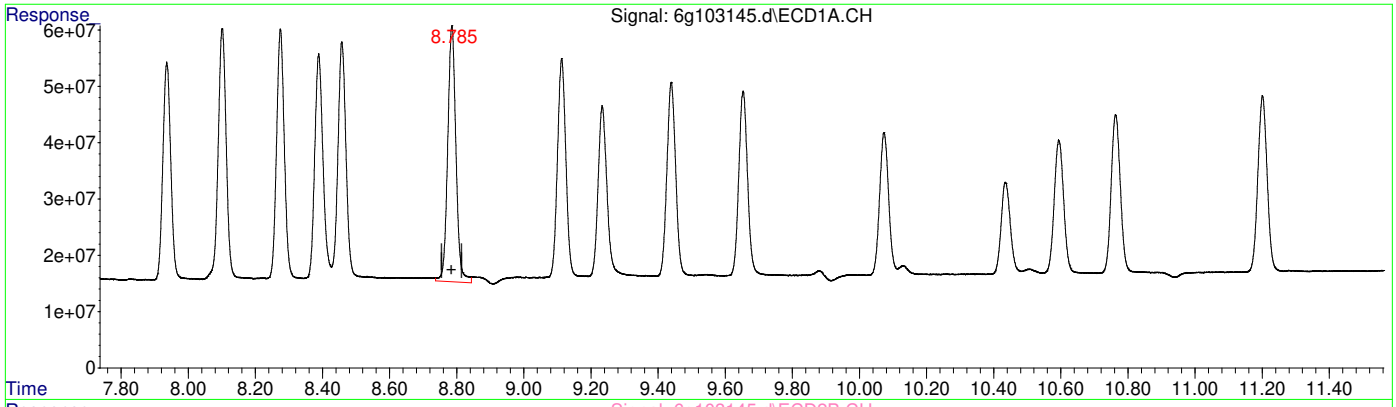
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:30:52 2024

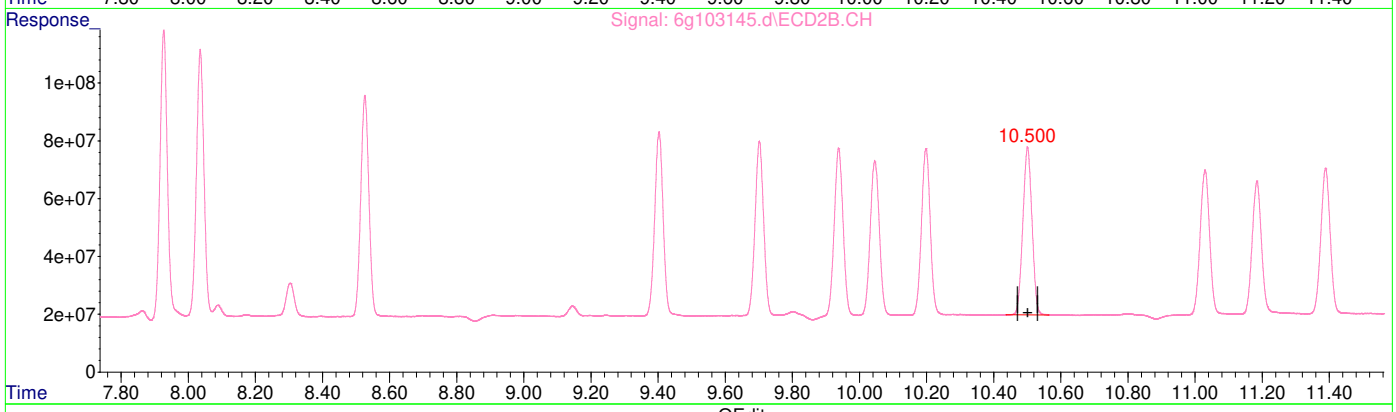
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103145.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 13:17 pm
Operator : rebeccak
Sample : ic3879-1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 9 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:28:58 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:28:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(16) Dieldrin (MA)

8.786min 0.842 PPB

response 775070980

(16) Dieldrin #2 (MA)

10.501min 0.675 PPB

response 1099829391

(+) = Expected Retention Time

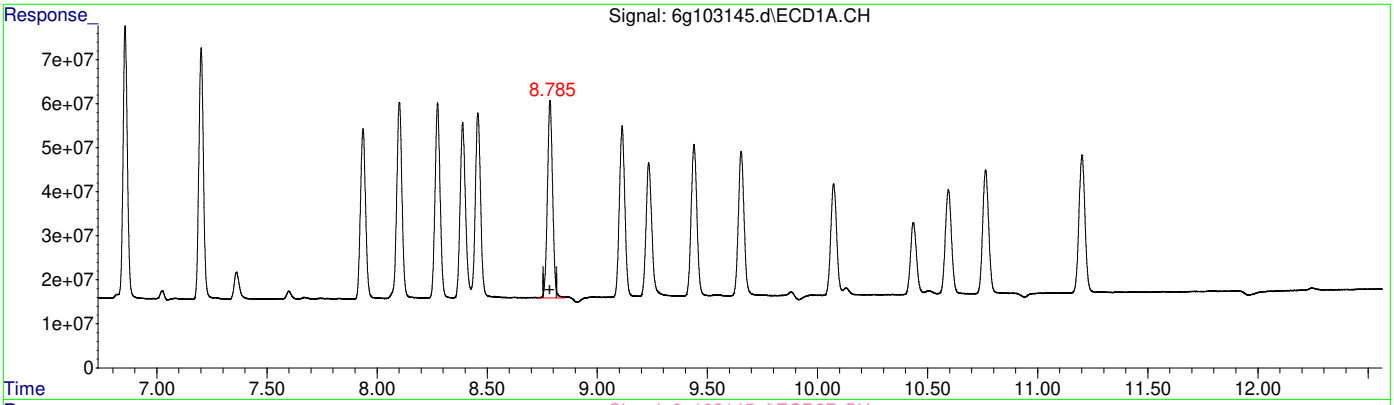
6PSTLVI3879a.M Fri Dec 06 18:31:10 2024

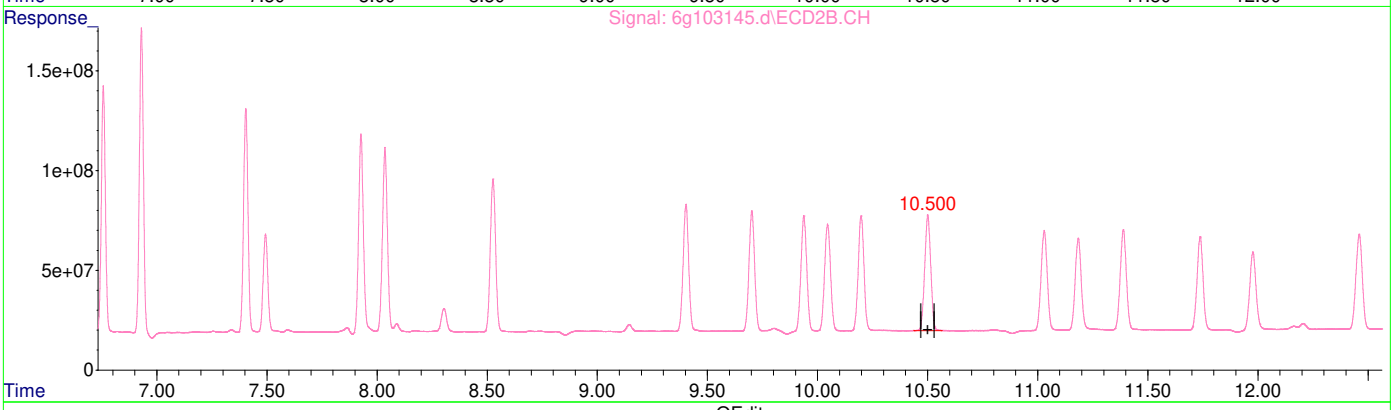
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103145.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 13:17 pm
Operator : rebeccak
Sample : ic3879-1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 9 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:28:58 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:28:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(16) Dieldrin (MA)

8.785min 0.803 PPB m

response 738370139

(16) Dieldrin #2 (MA)

10.501min 0.675 PPB

response 1099829391

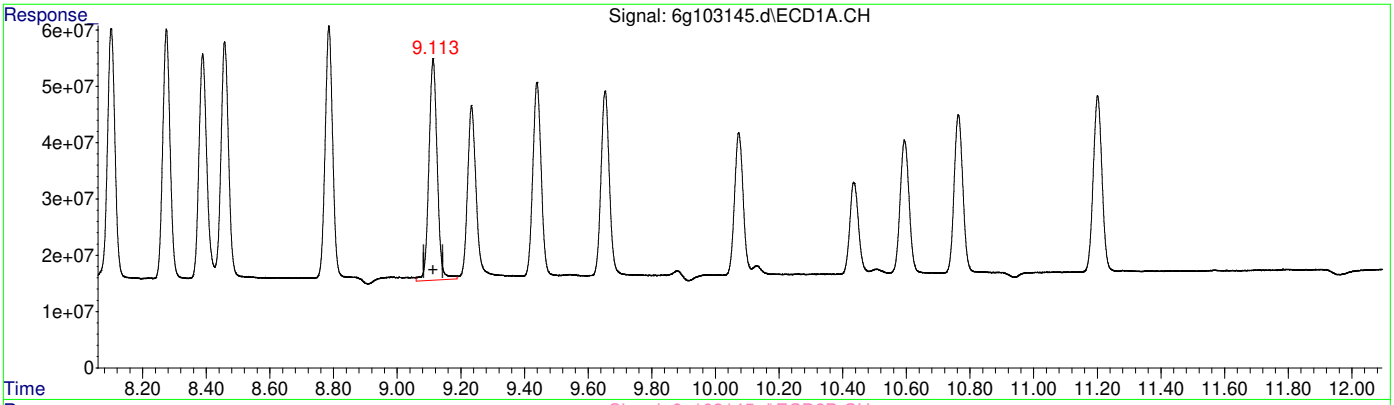
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:31:17 2024

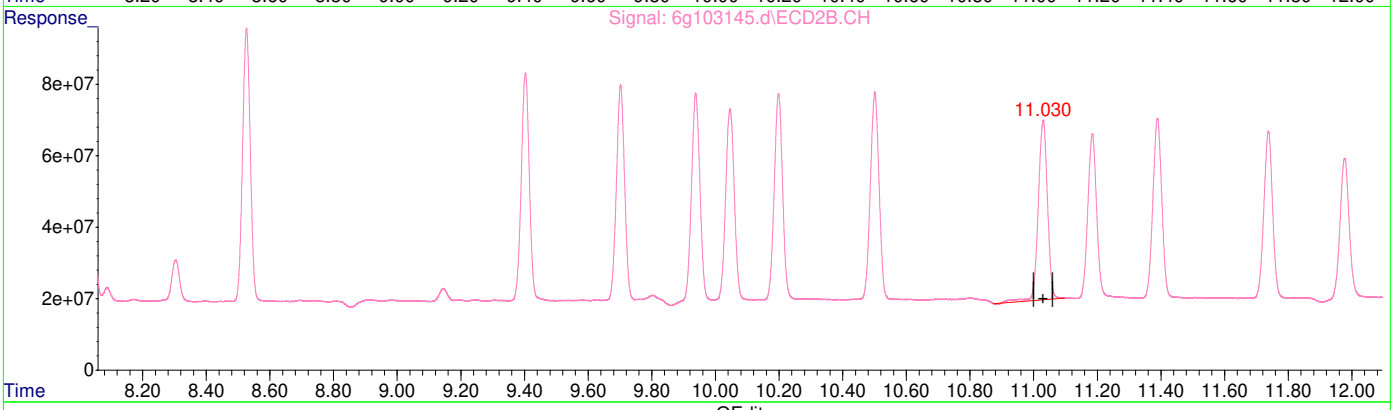
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103145.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 13:17 pm
Operator : rebeccak
Sample : ic3879-1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 9 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:28:58 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:28:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(17) Endrin (MA)

9.113min 0.901 PPB

response 713507462

(17) Endrin #2 (MA)

11.030min 0.789 PPB

response 1015401659

(+) = Expected Retention Time

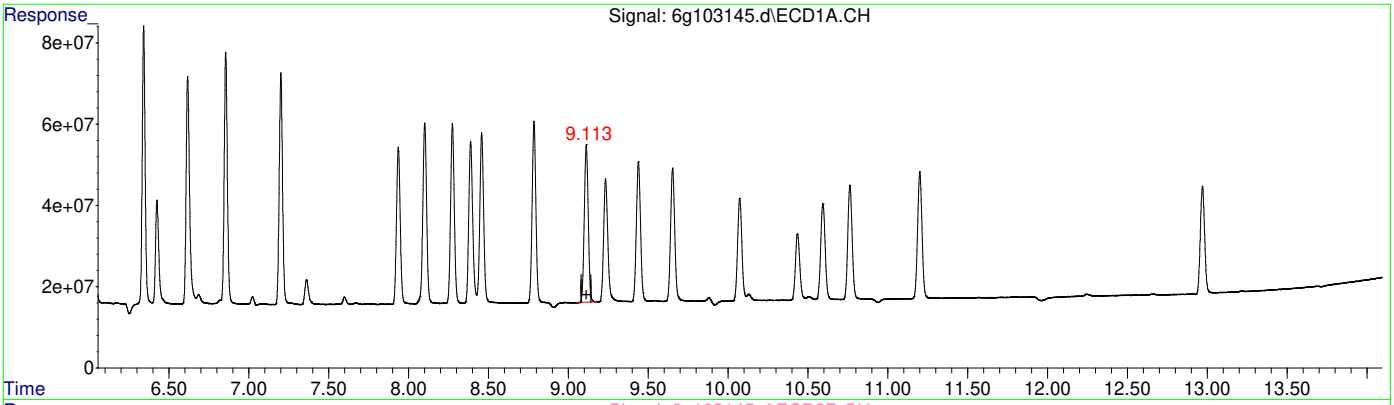
6PSTLVI3879a.M Fri Dec 06 18:31:22 2024

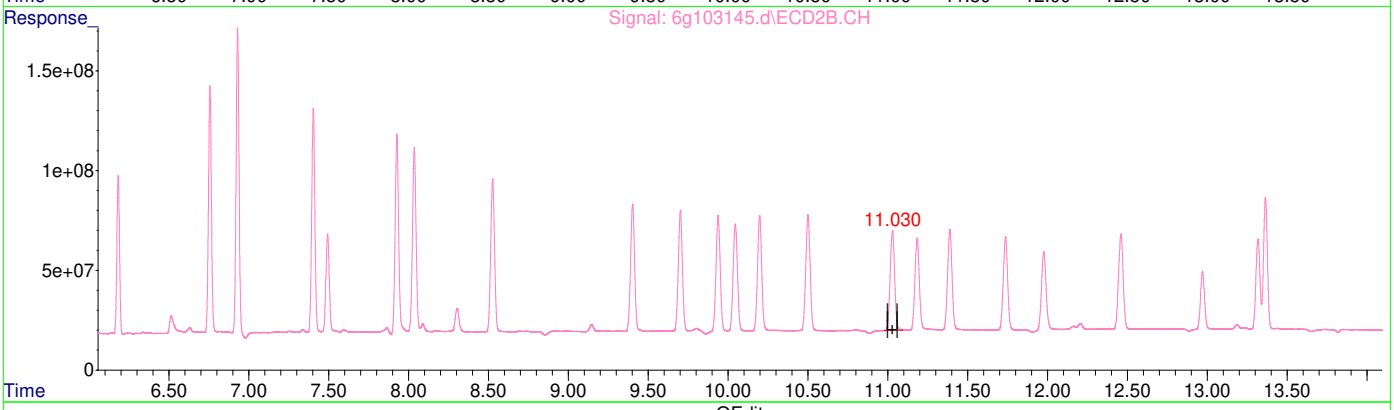
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103145.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 13:17 pm
Operator : rebeccak
Sample : ic3879-1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 9 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:28:58 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:28:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(17) Endrin (MA)

9.113min 0.846 PPB m

response 670170283

(17) Endrin #2 (MA)

11.030min 0.758 PPB m

response 975729434

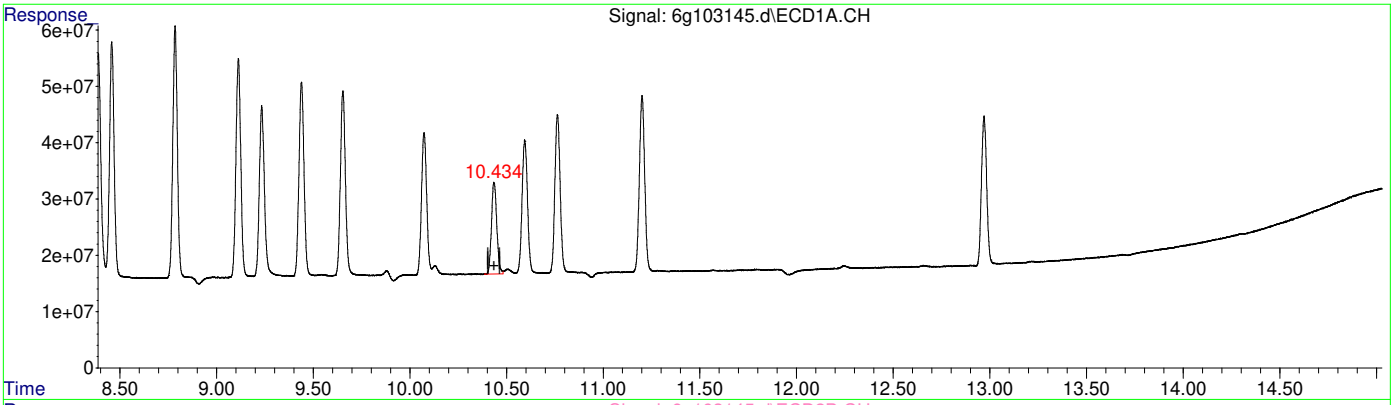
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:31:35 2024

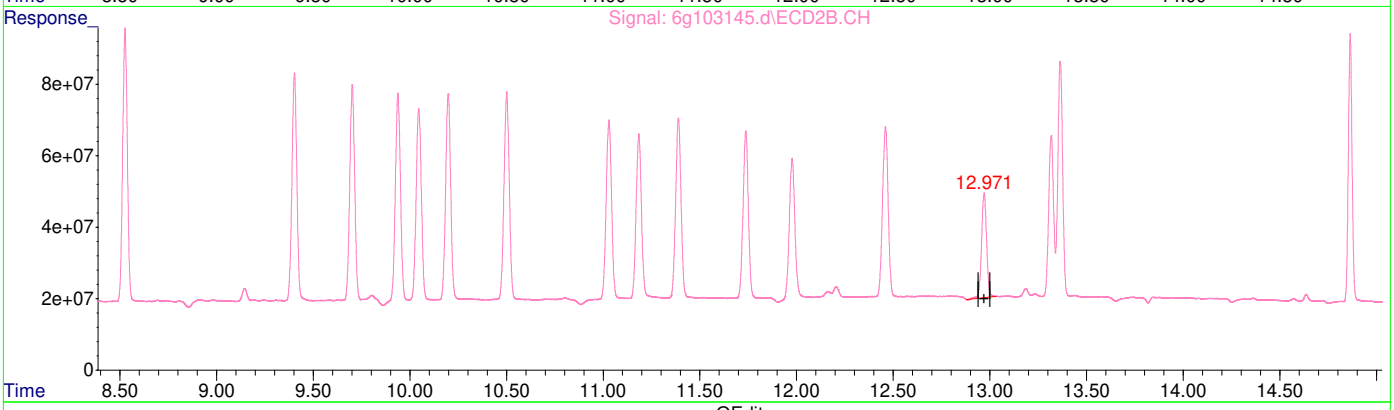
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103145.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 13:17 pm
Operator : rebeccak
Sample : ic3879-1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 9 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:28:58 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:28:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(23) Methoxychlor (A)

10.435min 0.842 PPB

response 310851577

(23) Methoxychlor #2 (A)

12.971min 0.772 PPB

response 522934112

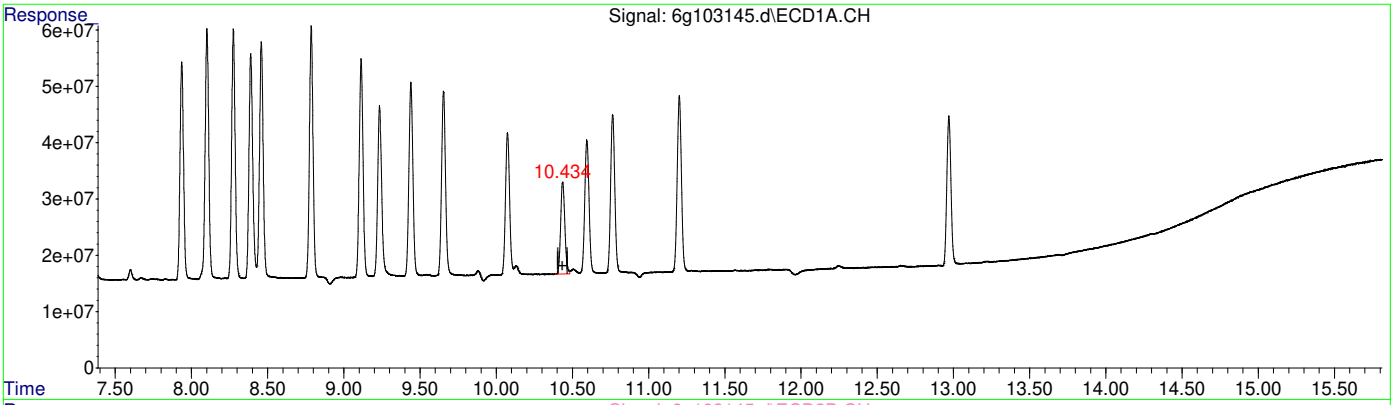
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:31:56 2024

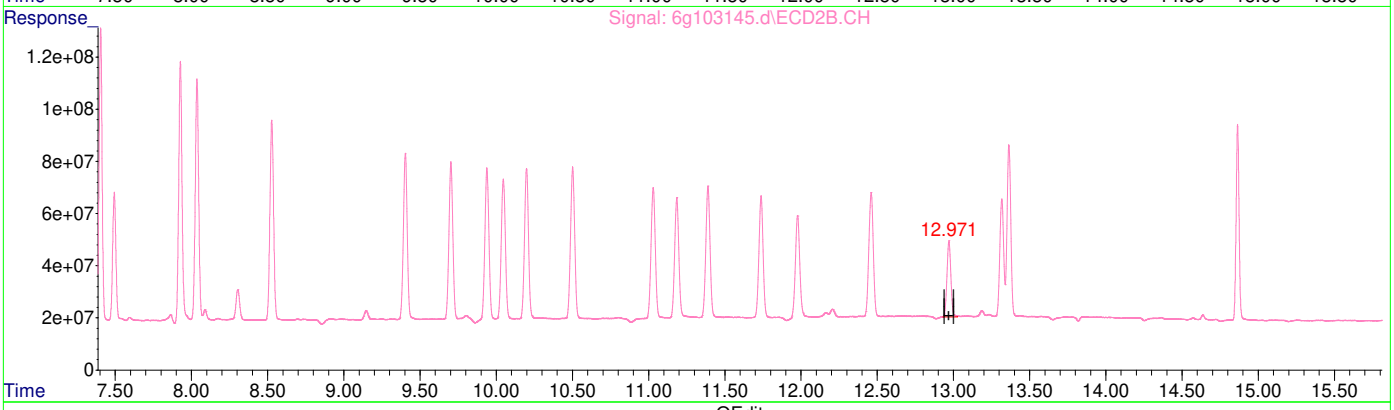
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103145.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 13:17 pm
Operator : rebeccak
Sample : ic3879-1
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 9 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:28:58 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:28:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(23) Methoxychlor (A)

10.435min 0.842 PPB

response 310851577

(23) Methoxychlor #2 (A)

12.971min 0.765 PPB m

response 518008695

(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:32:06 2024

Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug
12/09/24 11:00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103146.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 13:38 pm
Operator : rebeccak
Sample : icc3879-2.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:41:07 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:28:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
		Internal Standards						
1)	I	1-bromo-2...	4.846	5.244	3771.5E6	6854.5E6	5.000	5.000
27)	I	1-bromo-2...	4.846	5.244	3771.5E6	6854.5E6	5.000	5.000
33)	I	1-bromo-2...	4.846	5.244	3771.5E6	6854.5E6	5.000	5.000
		System Monitoring Compounds						
2)	SAB	Tetrachlo...	5.521	6.185	2045.6E6	2550.6E6	2.435	1.746 #
		Spiked Amount	40.000	Range	30 - 150	Recovery	=	6.09%# 4.37%#
26)	SA	Decachlor...	12.968	14.863	1499.5E6	3221.1E6	1.484m	2.917 #
		Spiked Amount	40.000			Recovery	=	3.71% 7.29%
		Target Compounds						
3)		Hexachlor...	5.875	6.758	3277.2E6	4887.0E6	2.409	2.022
4)	A	alpha-BHC	6.032	6.931	3430.8E6	6331.5E6	2.414	2.211
5)	MA	gamma-BHC	6.342	7.402	2925.9E6	4137.3E6	2.352m	1.704m#
6)	MA	Heptachlor	6.856	8.036	2964.8E6	4326.5E6	2.508	1.888
7)	B	beta-BHC	6.425	7.492	1174.0E6	2177.1E6	2.199	2.009
8)	B	delta-BHC	6.616	7.926	2678.5E6	4487.8E6	2.191	1.813
9)	MB	Aldrin	7.200	8.527	2848.6E6	3790.5E6	2.456	1.665 #
10)		Alachlor	7.360	8.302	309.4E6	535.3E6	2.560	2.258
11)	B	Heptachlo...	7.937	9.402	1686.6E6	3152.4E6	1.635m	1.568m
12)	B	gamma-Chl...	8.100	9.702	2703.7E6	3378.2E6	2.225	1.633m#
13)	B	alpha-Chl...	8.274	9.938	2534.3E6	3558.3E6	2.305	1.722 #
14)	A	Endosulfan I	8.457	10.046	2322.0E6	2873.9E6	2.230	1.517 #
15)	B	4,4'-DDE	8.386	10.197	2480.2E6	3206.8E6	2.270	1.548 #
16)	MA	Dieldrin	8.785	10.502	2502.8E6	3356.5E6	2.176m	1.651
17)	MA	Endrin	9.112	11.029	2430.5E6	3030.2E6	2.454	1.886m
18)	A	4,4'-DDD	9.231	11.183	1955.1E6	2691.9E6	2.141	1.635
19)	B	Endosulfa...	9.438	11.388	2140.5E6	2924.6E6	2.126m	1.613
20)	MA	4,4'-DDT	9.650	11.737	2262.7E6	2894.3E6	2.434	1.640 #
21)	B	Endrin Al...	10.072	11.977	1686.2E6	2468.1E6	2.107m	1.652m
22)	B	Endosulfa...	10.762	12.459	1885.8E6	3009.5E6	2.001m	1.895
23)	A	Methoxychlor	10.433	12.971	1074.3E6	1526.5E6	2.327	1.806m
24)		Mirex	10.592	13.318	1543.3E6	2538.4E6	1.914	2.251
25)	B	Endrin Ke...	11.201	13.364	1934.4E6	3628.9E6	1.781	2.193
		Sum Toxaphene			0	0	N.D.	N.D.
		Average Toxaphene					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

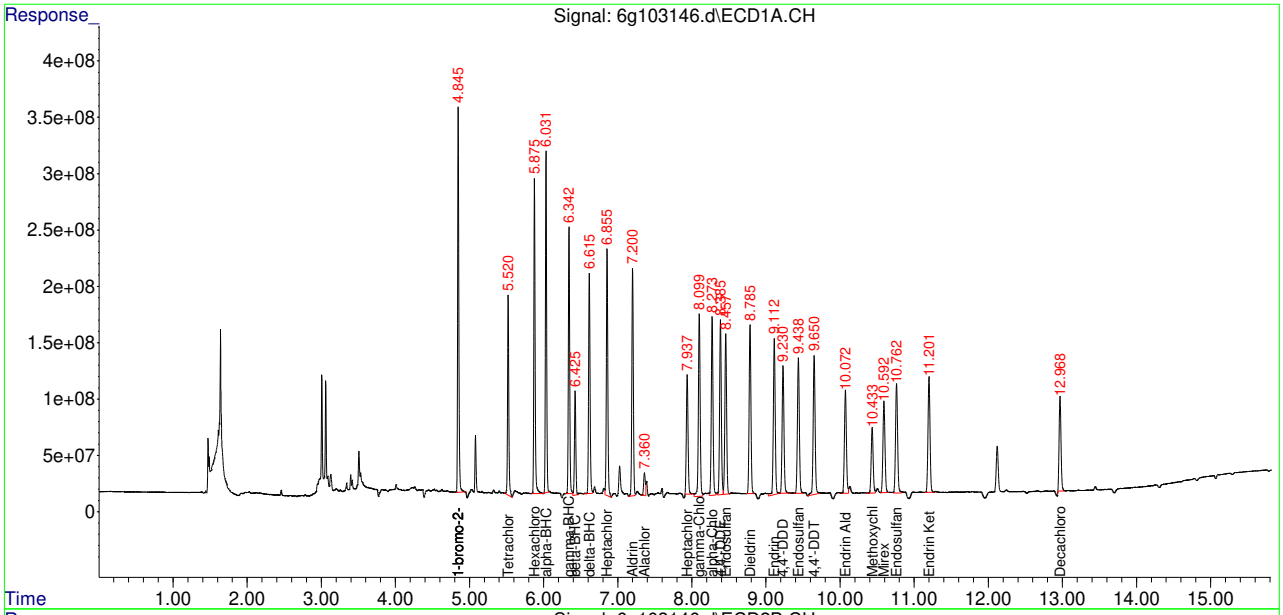
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

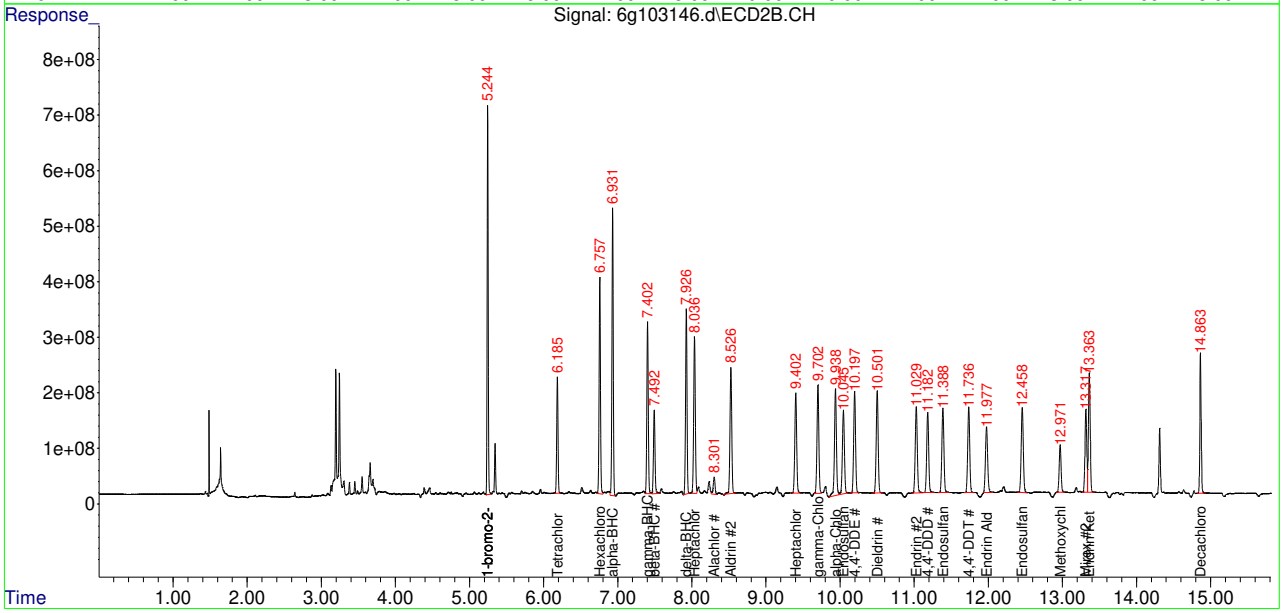
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103146.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 13:38 pm
Operator : rebeccak
Sample : icc3879-2.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:41:07 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:28:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





Manual Integration Approval Summary

Sample Number: G6G3879-ICC3879 **Method:** SW846 8081B
Lab FileID: 6G103146.D **Analyst approved:** 12/08/24 21:53 Rebecca Krug
Injection Time: 12/06/24 13:38 **Supervisor approved:** 12/09/24 11:00 Rebecca Krug

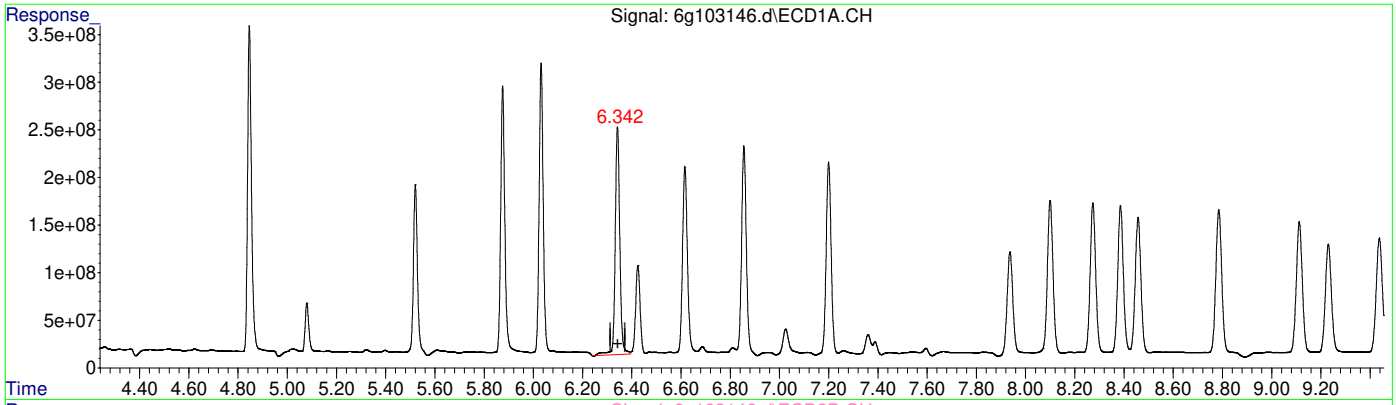
Parameter	CAS	Sig#	R.T. (min.)	Reason
gamma-BHC (Lindane)	58-89-9	1	6.34	Poorly defined baseline
gamma-BHC (Lindane)	58-89-9	2	7.40	Poorly defined baseline
Heptachlor epoxide	1024-57-3	1	7.94	Poorly defined baseline
Dieldrin	60-57-1	1	8.79	Poorly defined baseline
Heptachlor epoxide	1024-57-3	2	9.40	Poorly defined baseline
Endosulfan-II	33213-65-9	1	9.44	Poorly defined baseline
gamma-Chlordane	5103-74-2	2	9.70	Poorly defined baseline
Endrin aldehyde	7421-93-4	1	10.07	Poorly defined baseline
Endosulfan sulfate	1031-07-8	1	10.76	Poorly defined baseline
Endrin	72-20-8	2	11.03	Poorly defined baseline
Endrin aldehyde	7421-93-4	2	11.98	Poorly defined baseline
Decachlorobiphenyl	2051-24-3	1	12.97	Poorly defined baseline
Methoxychlor	72-43-5	2	12.97	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103146.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 13:38 pm
Operator : rebeccak
Sample : icc3879-2.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:32:32 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:28:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



(5) gamma-BHC (MA)

6.342min 2.497 PPB

response 3106038289

(5) gamma-BHC #2 (MA)

7.402min 1.722 PPB

response 4182823169

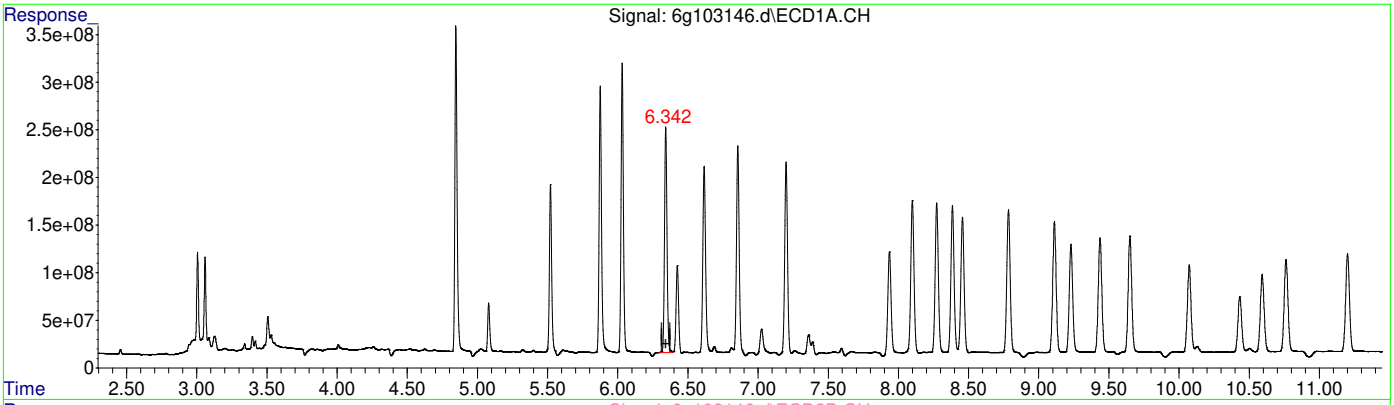
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:32:55 2024

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103146.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 13:38 pm
Operator : rebeccak
Sample : icc3879-2.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:32:32 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:28:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



(5) gamma-BHC (MA)

6.342min 2.352 PPB m

response 2925912297

(5) gamma-BHC #2 (MA)

7.402min 1.704 PPB m

response 4137330336

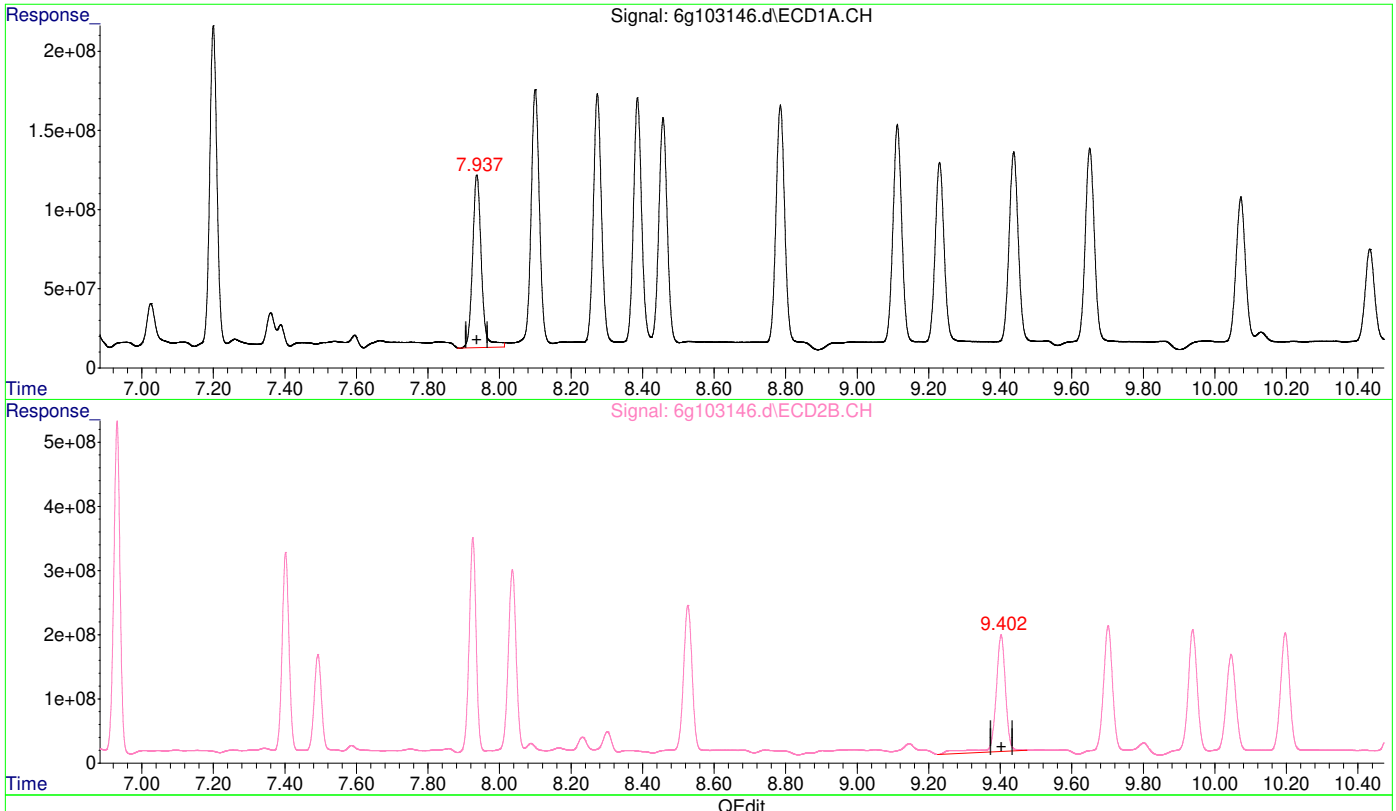
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:33:18 2024

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103146.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 13:38 pm
Operator : rebeccak
Sample : icc3879-2.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:32:32 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:28:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



(11) Heptachlor Epoxide (B)

7.937min 1.812 PPB

response 1869371016

(11) Heptachlor Epoxide #2 (B)

9.402min 1.762 PPB

response 3541731336

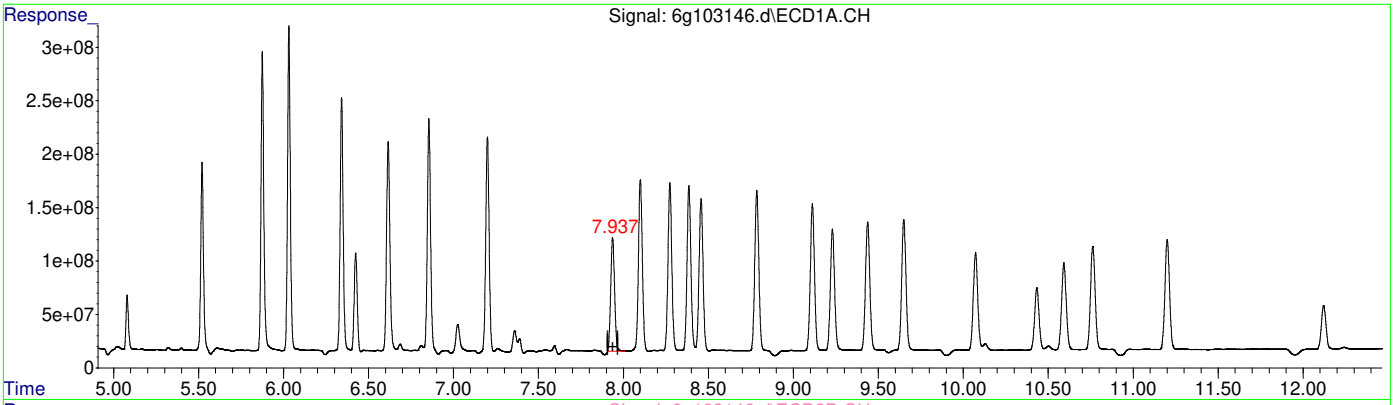
(+) = Expected Retention Time

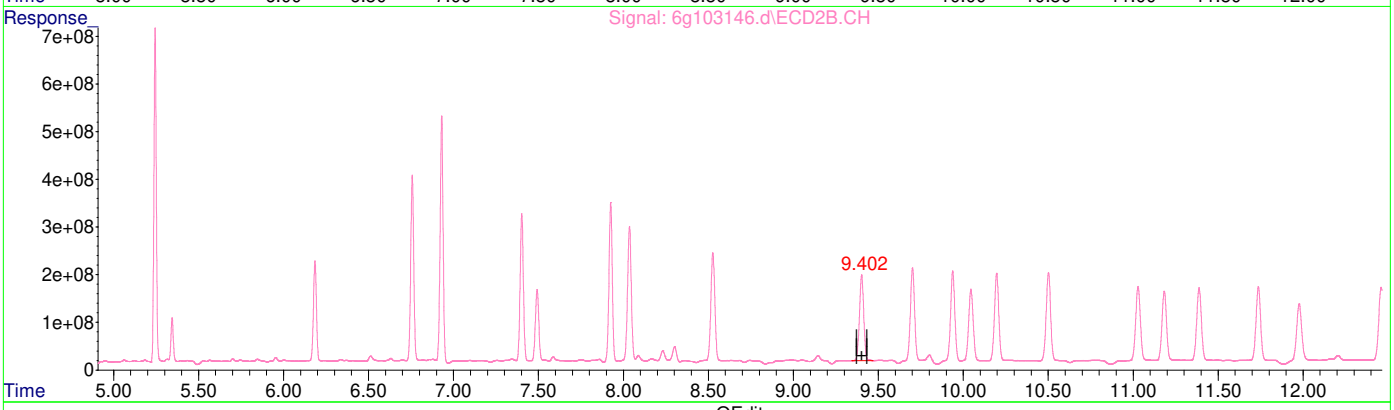
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103146.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 13:38 pm
Operator : rebeccak
Sample : icc3879-2.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:32:32 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:28:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(11) Heptachlor Epoxide (B)

7.937min 1.635 PPB m

response 1686622493

(11) Heptachlor Epoxide #2 (B)

9.402min 1.568 PPB m

response 3152393183

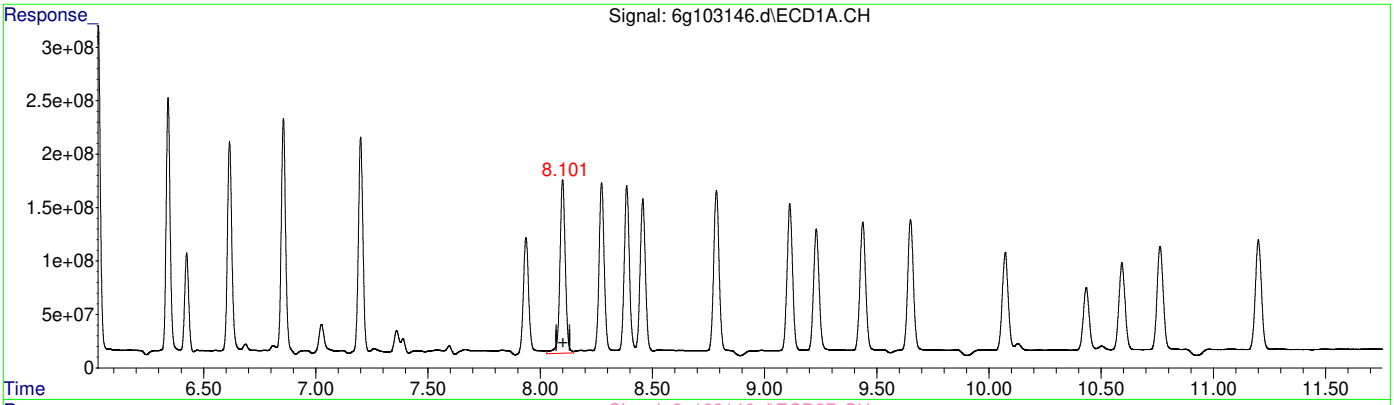
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:33:45 2024

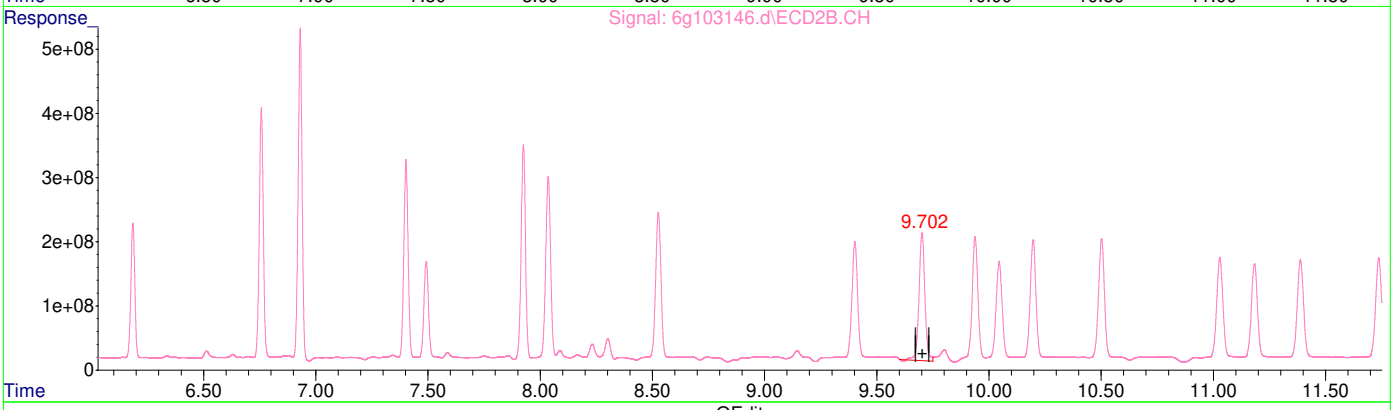
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103146.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 13:38 pm
Operator : rebeccak
Sample : icc3879-2.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:32:32 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:28:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(12) gamma-Chlordane (B)

8.100min 2.225 PPB

response 2703746269

(12) gamma-Chlordane #2 (B)

9.702min 1.765 PPB

response 3651739153

(+) = Expected Retention Time

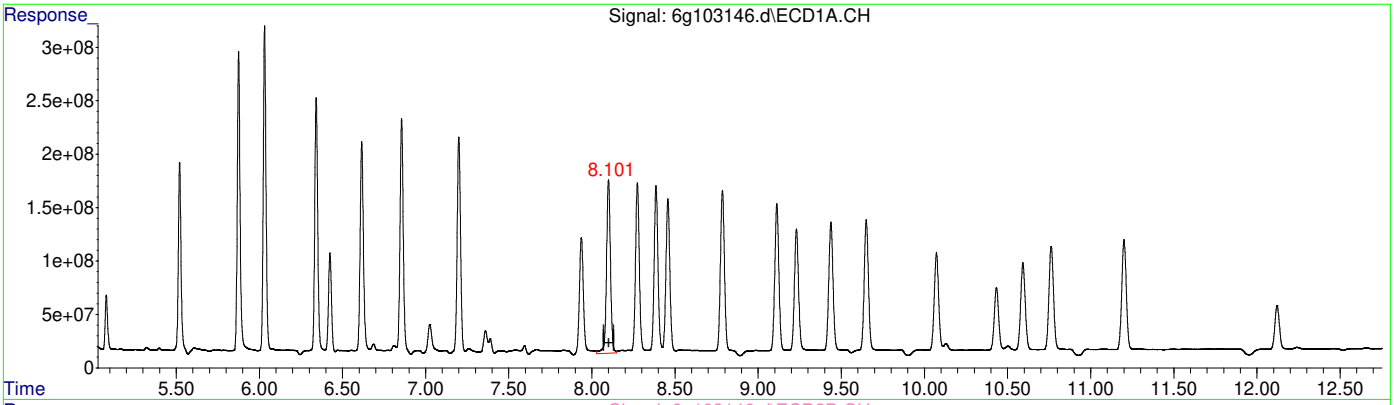
6PSTLVI3879a.M Fri Dec 06 18:33:53 2024 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103146.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 13:38 pm
Operator : rebeccak
Sample : icc3879-2.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:32:32 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:28:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



(12) gamma-Chlordane (B)

8.100min 2.225 PPB

response 2703746269

(12) gamma-Chlordane #2 (B)

9.702min 1.633 PPB m

response 3378212648

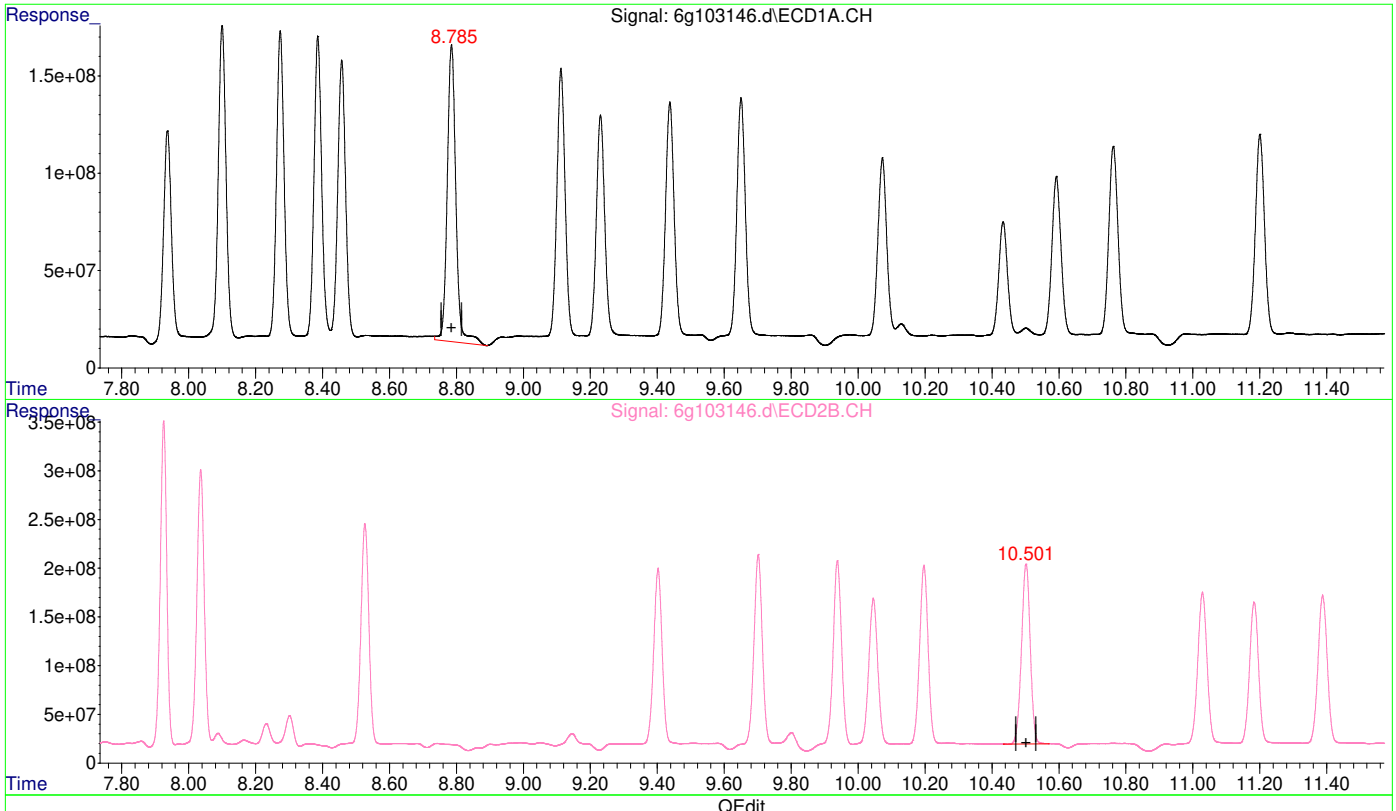
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103146.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 13:38 pm
Operator : rebeccak
Sample : icc3879-2.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:32:32 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:28:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



(16) Dieldrin (MA)

8.786min 2.381 PPB

response 2738805116

(16) Dieldrin #2 (MA)

10.502min 1.651 PPB

response 3356454816

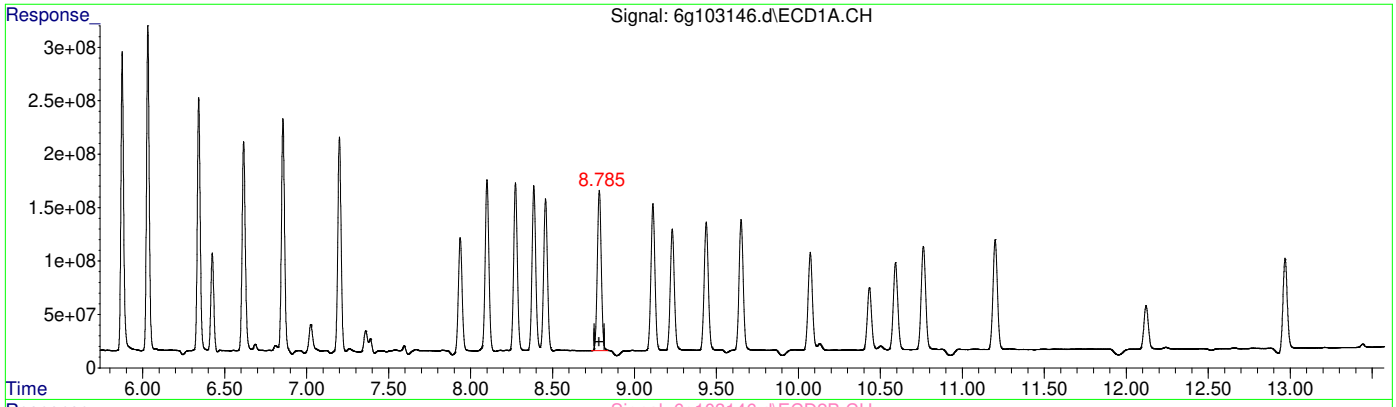
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:34:13 2024

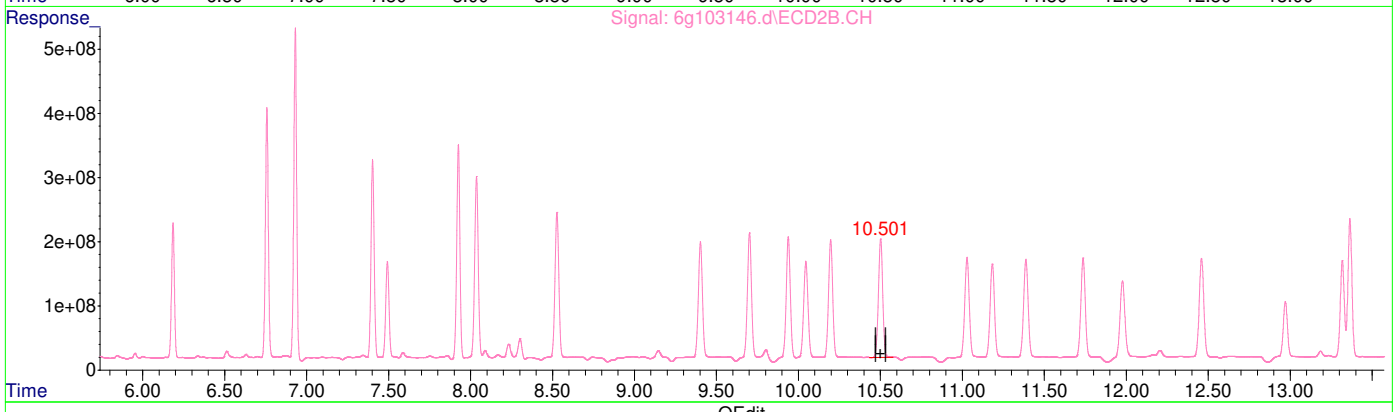
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103146.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 13:38 pm
Operator : rebeccak
Sample : icc3879-2.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:32:32 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:28:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(16) Dieldrin (MA)

8.785min 2.176 PPB m

response 2502815235

(16) Dieldrin #2 (MA)

10.502min 1.651 PPB

response 3356454816

(+) = Expected Retention Time

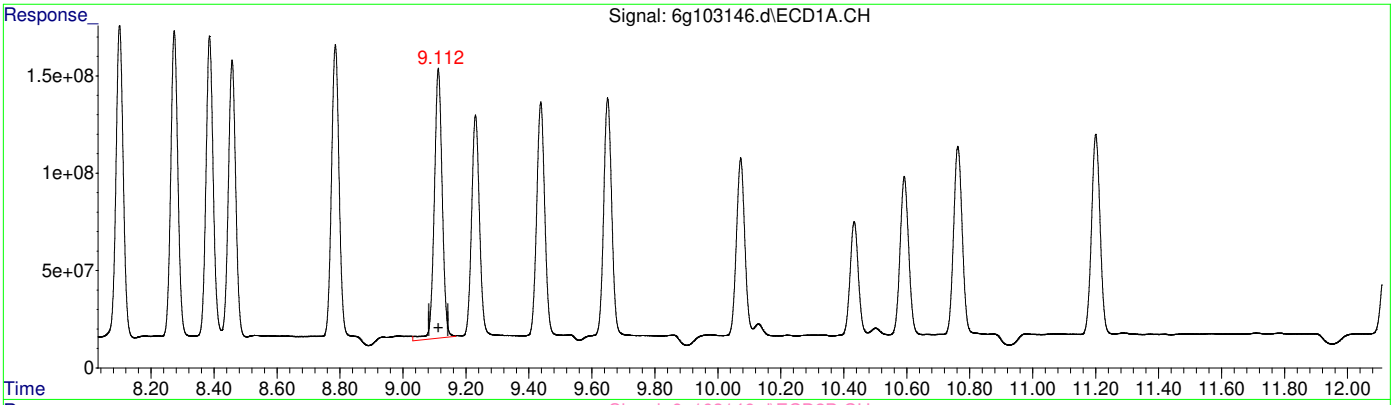
6PSTLVI3879a.M Fri Dec 06 18:34:23 2024

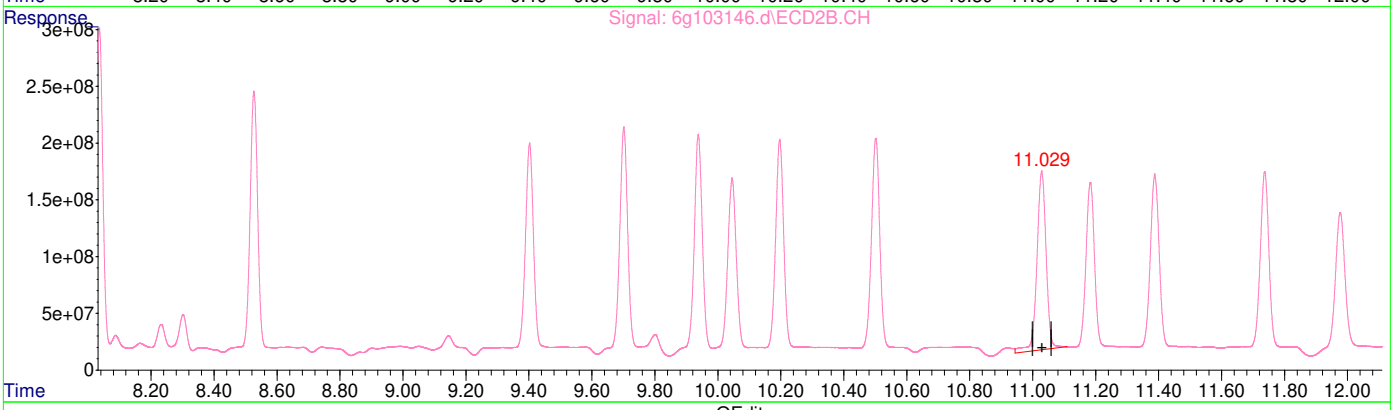
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103146.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 13:38 pm
Operator : rebeccak
Sample : icc3879-2.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:32:32 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:28:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(17) Endrin (MA)

9.112min 2.454 PPB

response 2430532253

(17) Endrin #2 (MA)

11.029min 1.997 PPB

response 3208539397

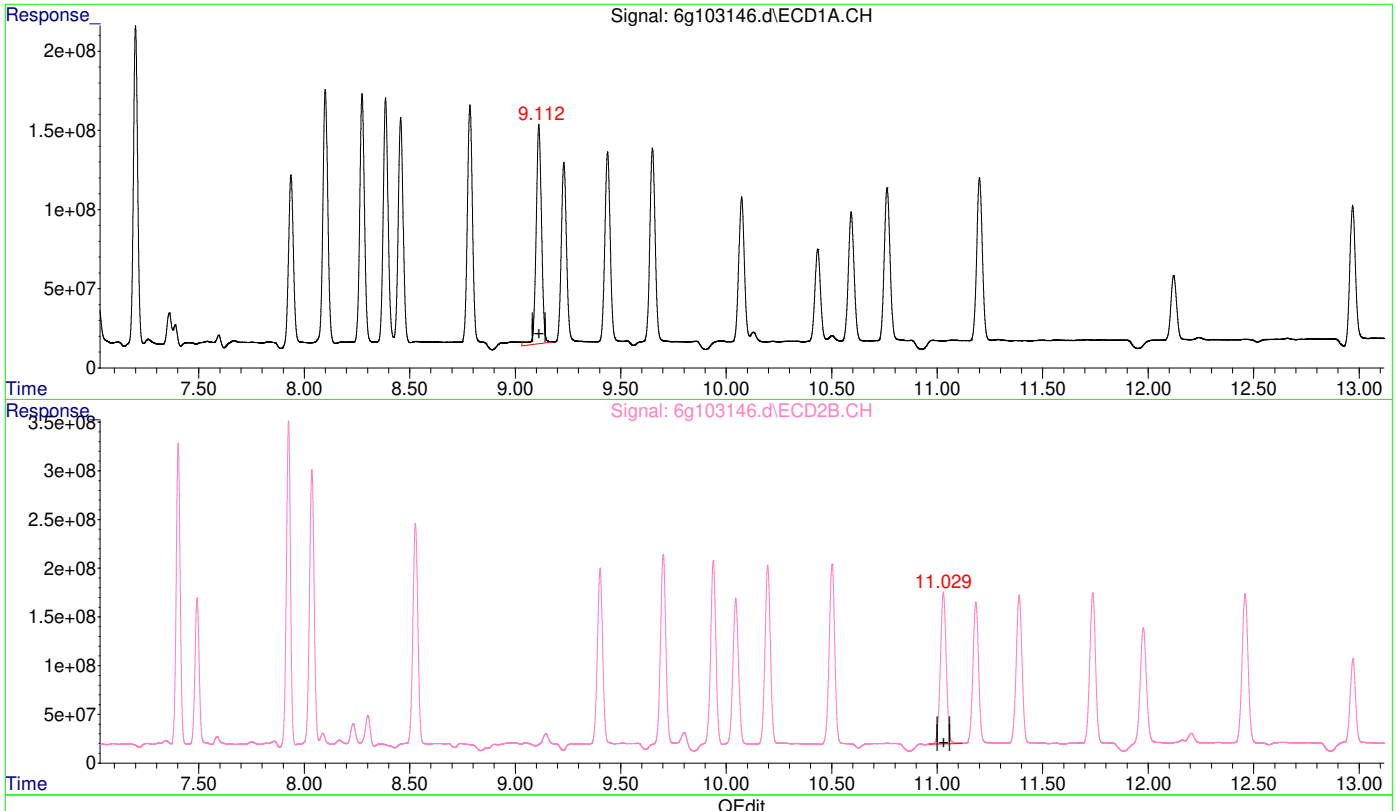
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:34:34 2024

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103146.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 13:38 pm
Operator : rebeccak
Sample : icc3879-2.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:32:32 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:28:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



(17) Endrin (MA)

9.112min 2.454 PPB

response 2430532253

(17) Endrin #2 (MA)

11.029min 1.886 PPB m

response 3030198905

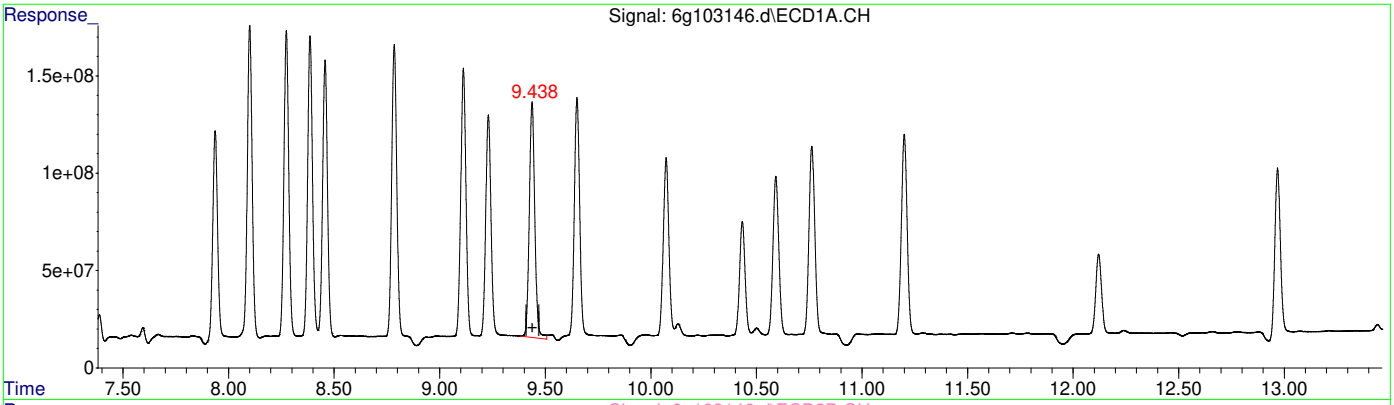
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:34:43 2024

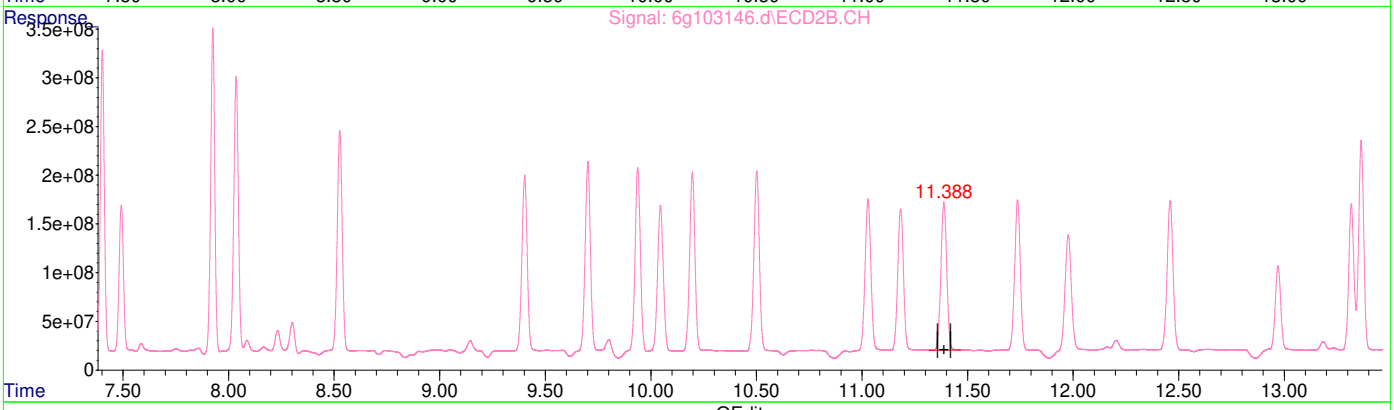
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103146.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 13:38 pm
Operator : rebeccak
Sample : icc3879-2.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:32:32 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:28:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(19) Endosulfan II (B)

9.438min 2.189 PPB

response 2203877716

(19) Endosulfan II #2 (B)

11.388min 1.613 PPB

response 2924583776

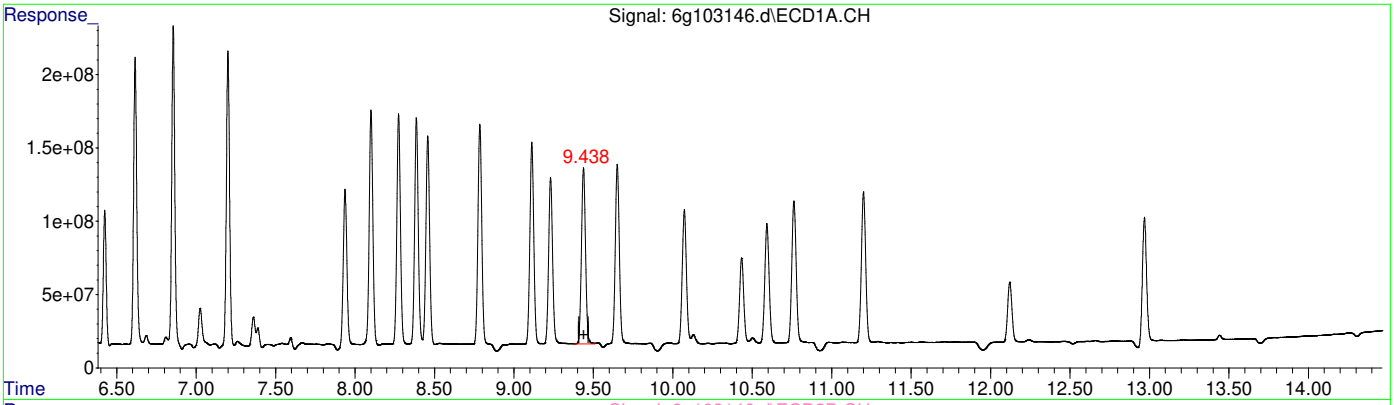
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:34:52 2024

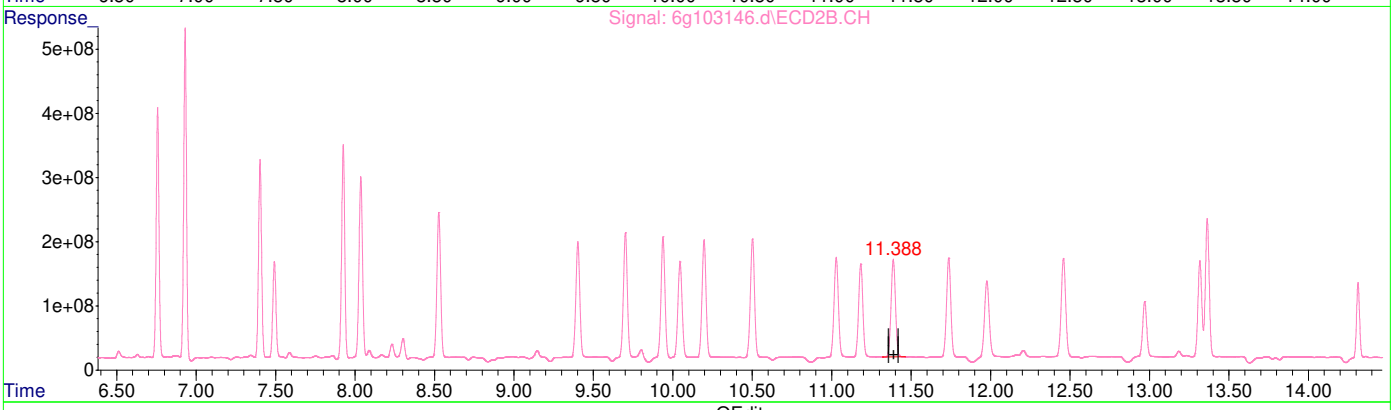
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103146.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 13:38 pm
Operator : rebeccak
Sample : icc3879-2.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:32:32 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:28:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(19) Endosulfan II (B)

9.438min 2.126 PPB m

response 2140482884

(19) Endosulfan II #2 (B)

11.388min 1.613 PPB

response 2924583776

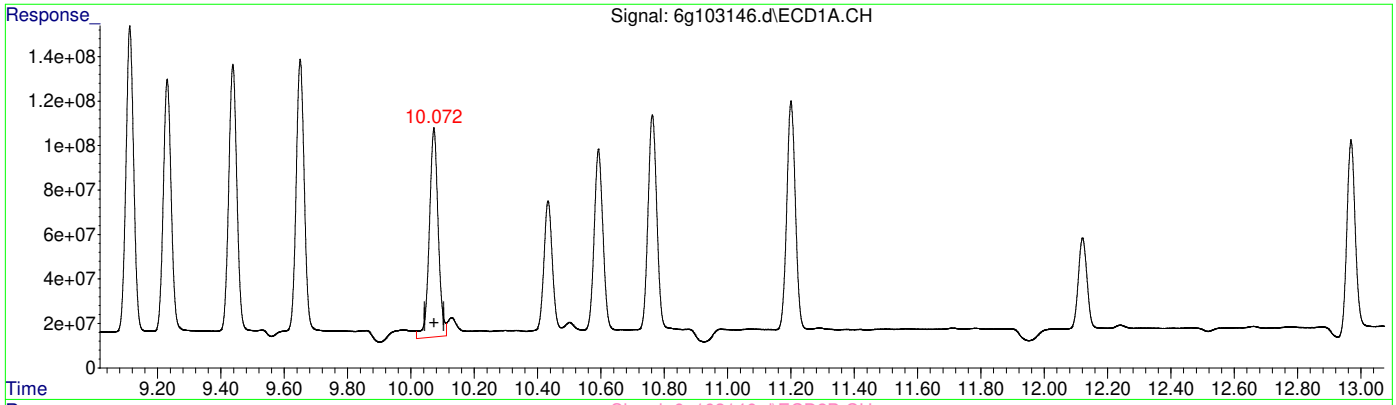
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:35:00 2024

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103146.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 13:38 pm
Operator : rebeccak
Sample : icc3879-2.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:32:32 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:28:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



(21) Endrin Aldehyde (B)

10.073min 2.293 PPB

response 1835435779

(21) Endrin Aldehyde #2 (B)

11.977min 1.843 PPB

response 2754595369

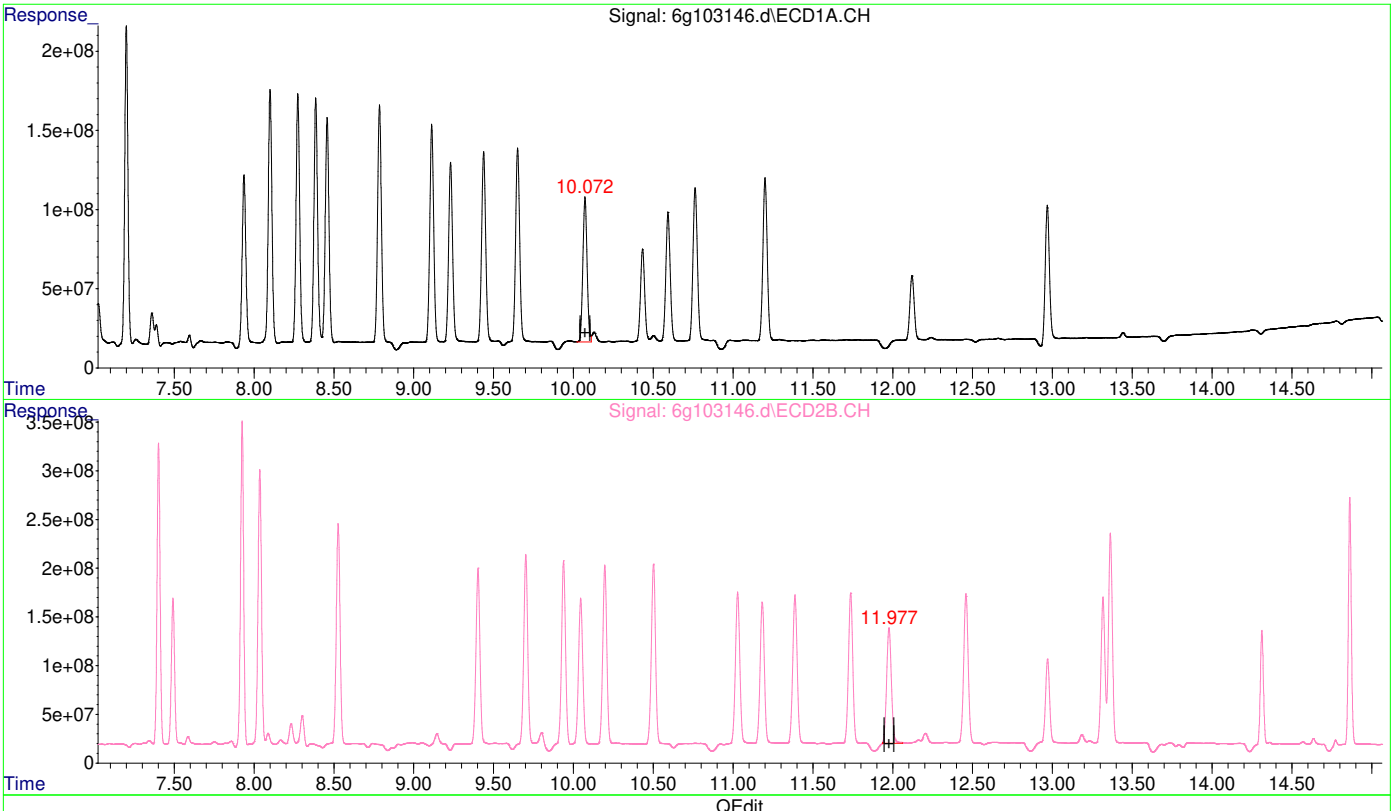
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:35:11 2024

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103146.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 13:38 pm
Operator : rebeccak
Sample : icc3879-2.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:32:32 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:28:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



QEdit

(21) Endrin Aldehyde (B)

10.072min 2.107 PPB m

response 1686215115

(21) Endrin Aldehyde #2 (B)

11.977min 1.652 PPB m

response 2468142058

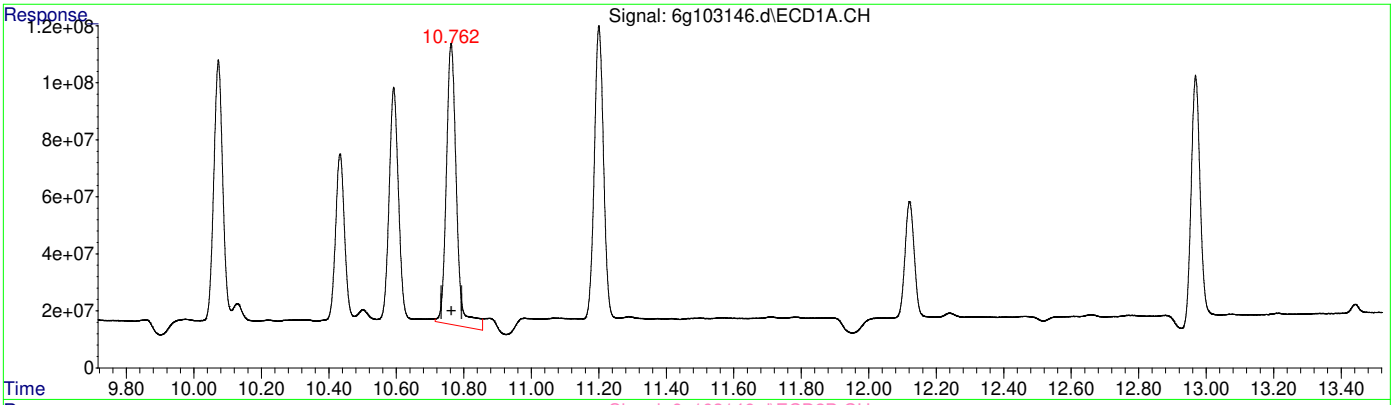
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:35:32 2024

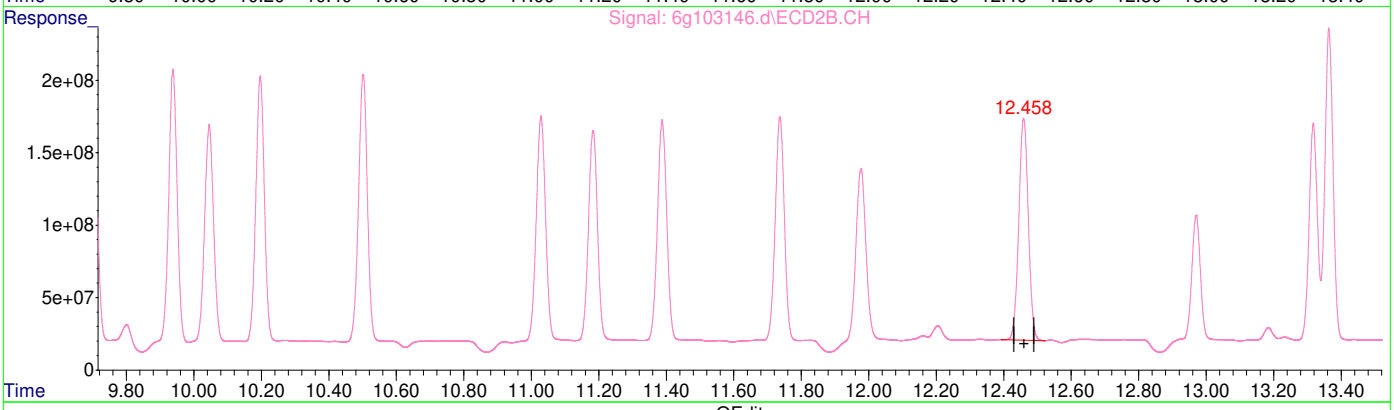
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103146.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 13:38 pm
Operator : rebeccak
Sample : icc3879-2.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:32:32 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:28:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(22) Endosulfan Sulfate (B)

10.763min 2.185 PPB

response 2059357581

(22) Endosulfan Sulfate #2 (B)

12.459min 1.895 PPB

response 3009512277

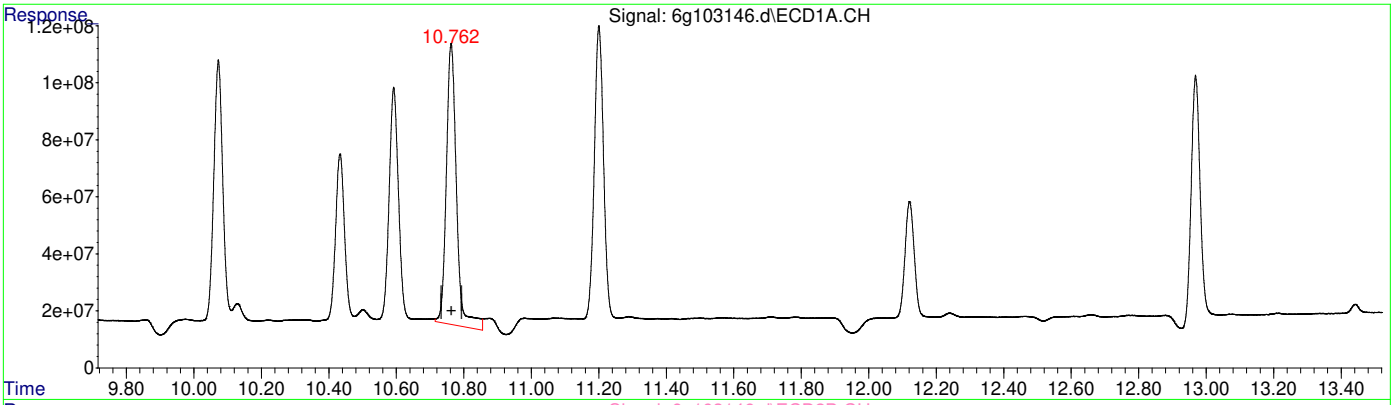
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:35:36 2024

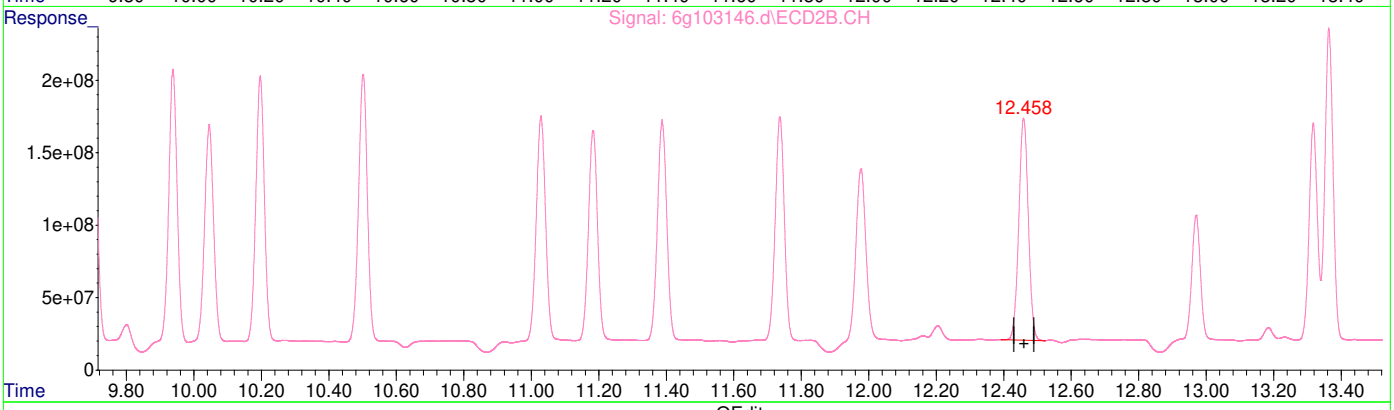
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103146.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 13:38 pm
Operator : rebeccak
Sample : icc3879-2.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:35:29 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:28:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(22) Endosulfan Sulfate (B)

10.763min 2.185 PPB

response 2059357581

(22) Endosulfan Sulfate #2 (B)

12.459min 1.895 PPB

response 3009512277

(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:36:38 2024

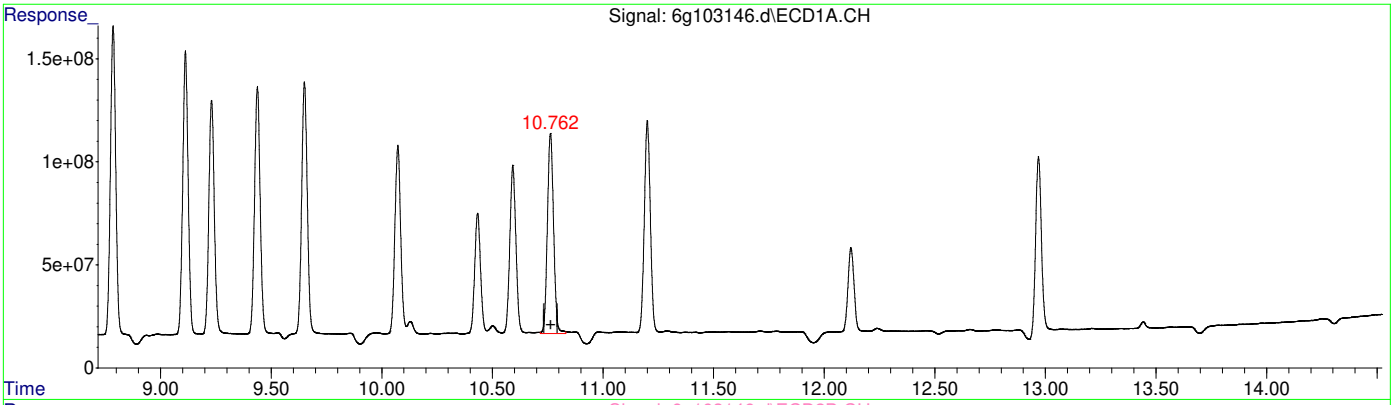
7.6.5.17
7

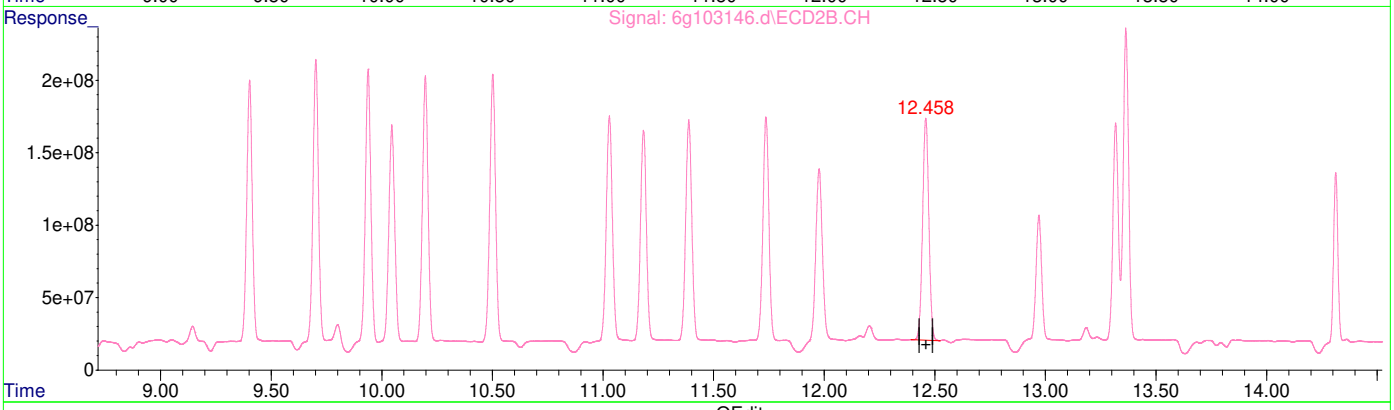
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103146.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 13:38 pm
Operator : rebeccak
Sample : icc3879-2.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:35:29 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:28:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(22) Endosulfan Sulfate (B)

10.762min 2.001 PPB m

response 1885760056

(22) Endosulfan Sulfate #2 (B)

12.459min 1.895 PPB

response 3009512277

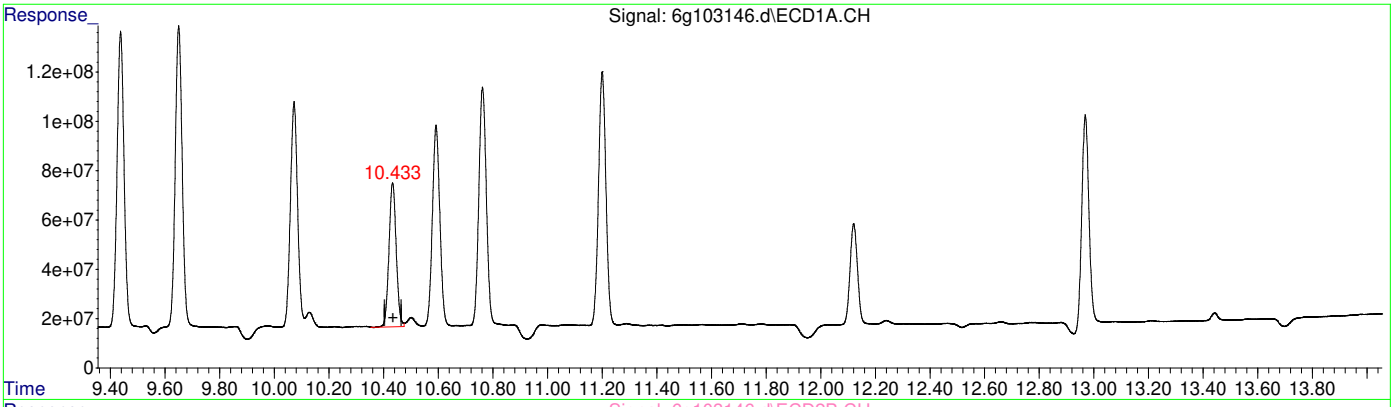
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:36:45 2024

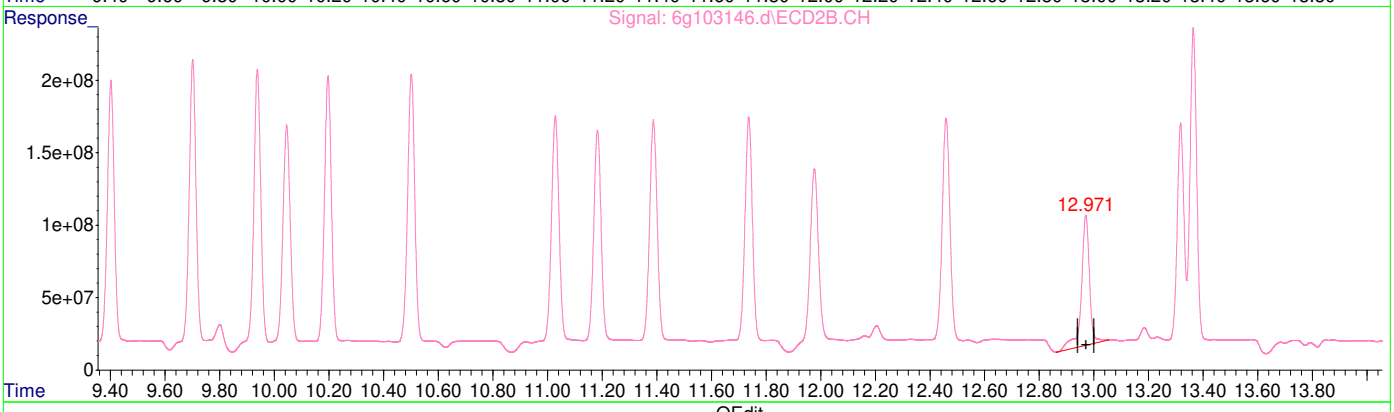
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103146.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 13:38 pm
Operator : rebeccak
Sample : icc3879-2.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:35:29 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:28:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(23) Methoxychlor (A)

10.433min 2.327 PPB

response 1074324082

(23) Methoxychlor #2 (A)

12.971min 2.212 PPB

response 1869392155

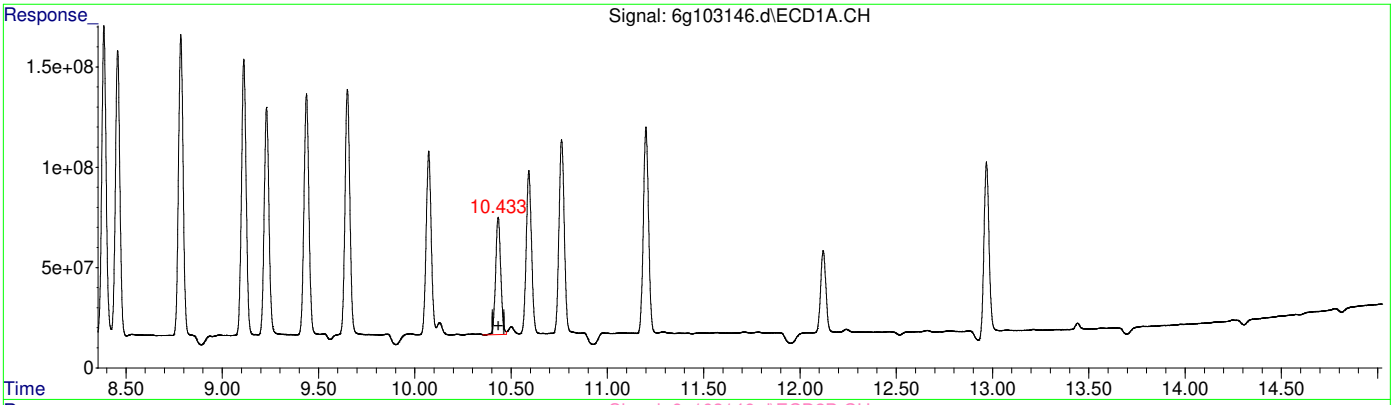
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:40:49 2024

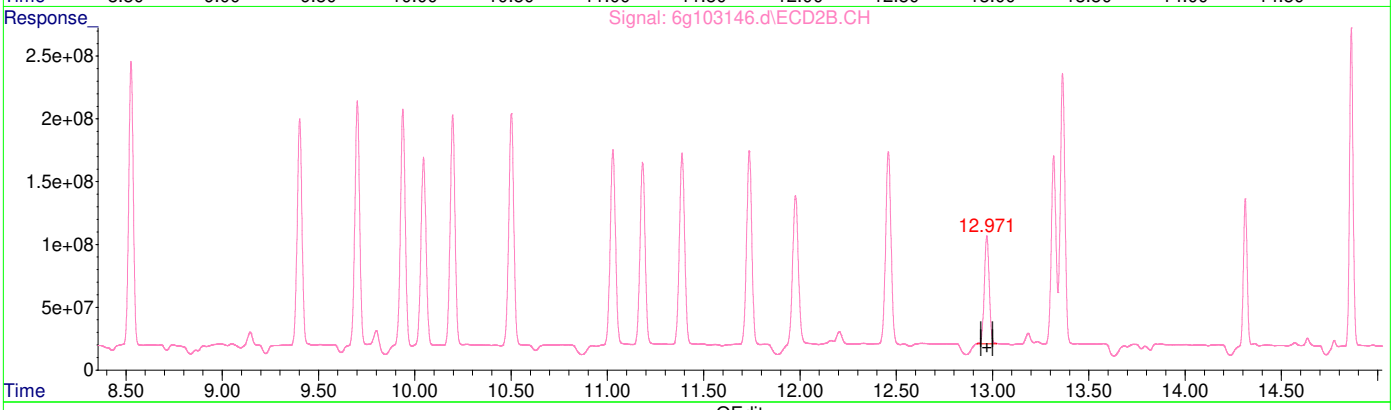
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103146.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 13:38 pm
Operator : rebeccak
Sample : icc3879-2.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:35:29 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:28:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(23) Methoxychlor (A)

10.433min 2.327 PPB

response 1074324082

(23) Methoxychlor #2 (A)

12.971min 1.806 PPB m

response 1526497626

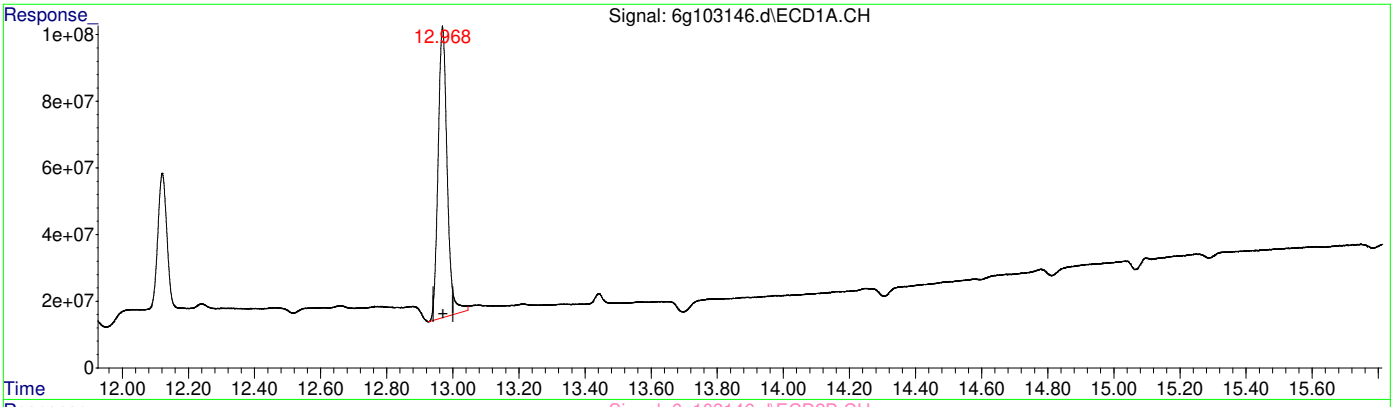
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:40:57 2024

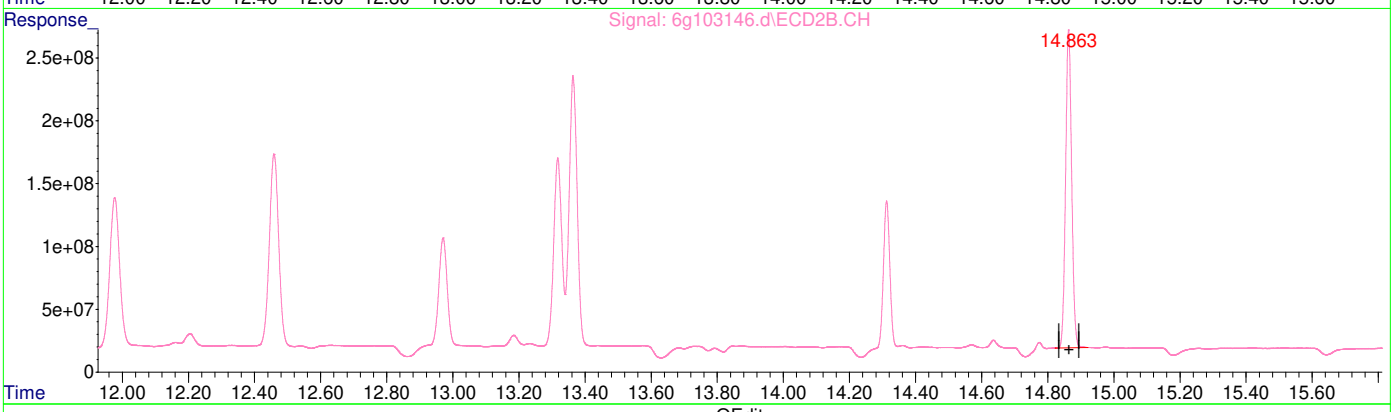
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103146.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 13:38 pm
Operator : rebeccak
Sample : icc3879-2.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:35:29 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:28:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(26) Decachlorobiphenyl (SA)

12.969min 1.652 PPB

response 1669055011

(26) Decachlorobiphenyl #2 (SA)

14.863min 2.917 PPB

response 3221071562

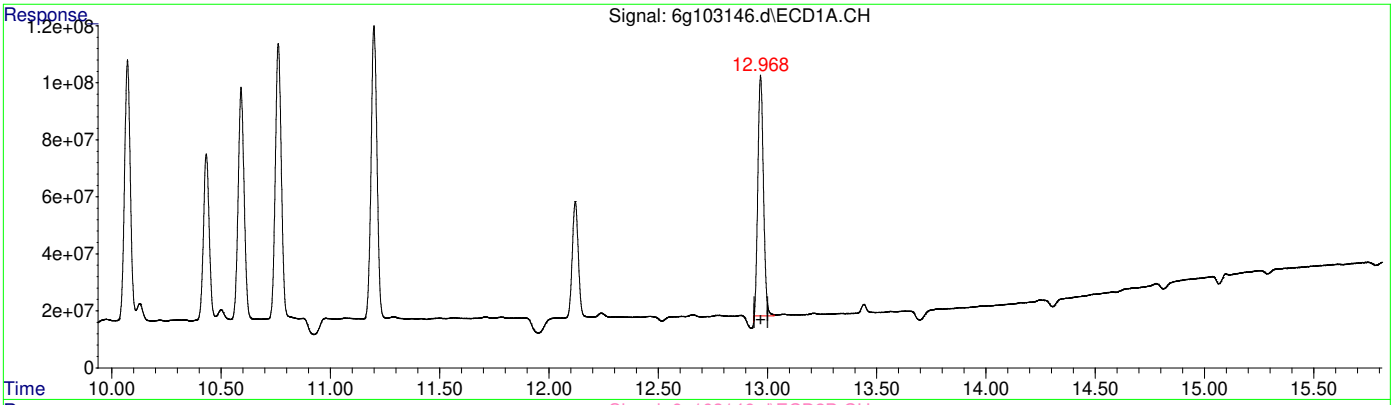
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:41:03 2024

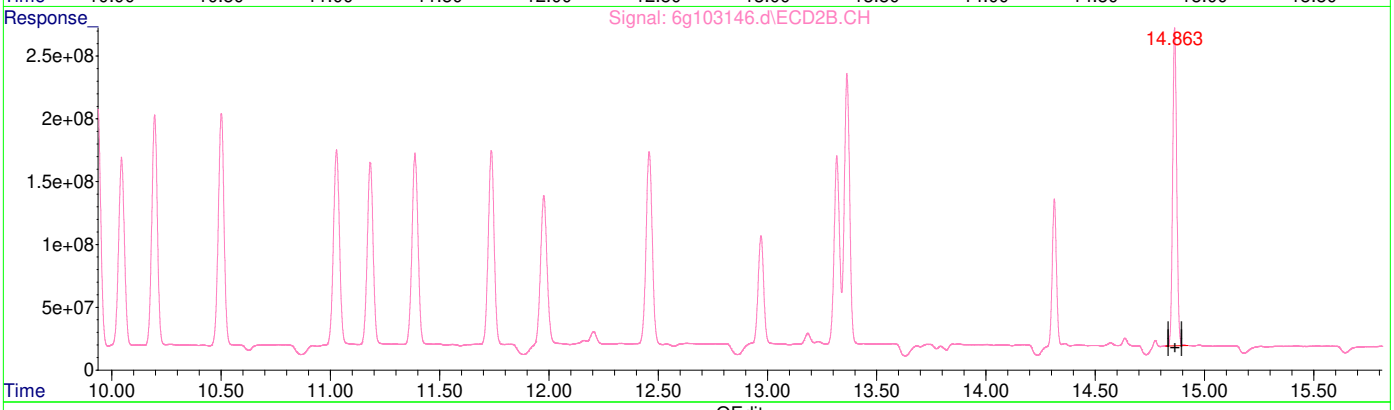
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103146.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 13:38 pm
Operator : rebeccak
Sample : icc3879-2.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:35:29 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:28:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(26) Decachlorobiphenyl (SA)

12.968min 1.484 PPB m

response 1499527825

(26) Decachlorobiphenyl #2 (SA)

14.863min 2.917 PPB

response 3221071562

(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:41:13 2024

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103148.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 14:20 pm
Operator : rebeccak
Sample : ic3879-5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 4 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:43:23 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:28:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB	
	Internal Standards							
1)	I 1-bromo-2...	4.848	5.246	2677.3E6	5039.0E6	5.000	5.000	
27)	I 1-bromo-2...	4.848	5.246	2677.3E6	5039.0E6	5.000	5.000	
33)	I 1-bromo-2...	4.848	5.246	2677.3E6	5039.0E6	5.000	5.000	
	System Monitoring Compounds							
2)	SAB Tetrachlo...	5.522	6.187	2860.9E6	5612.5E6	4.797	5.226	
	Spiked Amount 40.000	Range 30 - 150		Recovery =		11.99%#	13.07%#	
26)	SA Decachlor...	12.971	14.864	2365.2E6	4595.1E6	3.297	5.660	#
	Spiked Amount 40.000			Recovery =		8.24%	14.15%	
	Target Compounds							
3)	Hexachlor...	5.877	6.759	4676.7E6	6978.4E6	4.843	3.928	
4)	A alpha-BHC	6.034	6.933	4991.9E6	9161.3E6	4.948	4.351	
5)	MA gamma-BHC	6.345	7.405	4292.0E6	7267.4E6	4.861	4.070	
6)	MA Heptachlor	6.858	8.038	4060.6E6	6181.1E6	4.838	3.669	
7)	B beta-BHC	6.427	7.496	1785.7E6	3121.7E6	4.711	3.919	
8)	B delta-BHC	6.618	7.928	4269.8E6	6962.4E6	4.921	3.826	
9)	MB Aldrin	7.202	8.529	3990.9E6	5436.0E6	4.846	3.247	#
10)	Alachlor	7.362	8.305	407.6E6	676.0E6	4.751	3.879	
11)	B Heptachlo...	7.938	9.404	3465.2E6	4624.1E6	4.732	3.129	#
12)	B gamma-Chl...	8.103	9.703	3621.9E6	4707.0E6	4.199	3.094	#
13)	B alpha-Chl...	8.276	9.940	3511.8E6	4577.8E6	4.500	3.014	#
14)	A Endosulfan I	8.459	10.047	3314.3E6	4149.3E6	4.485	2.978	#
15)	B 4,4'-DDE	8.390	10.200	3425.5E6	4577.1E6	4.416	3.006	#
16)	MA Dieldrin	8.787	10.503	3608.0E6	4655.1E6	4.419	3.114	#
17)	MA Endrin	9.115	11.031	3307.9E6	4118.5E6	4.705	3.486	#
18)	A 4,4'-DDD	9.235	11.184	2836.1E6	3769.5E6	4.375	3.114	#
19)	B Endosulfa...	9.440	11.390	3024.1E6	4057.1E6	4.231	3.043	#
20)	MA 4,4'-DDT	9.654	11.738	3022.7E6	3974.2E6	4.580	3.063	#
21)	B Endrin Al...	10.075	11.978	2230.3E6	3172.1E6	3.926	2.887	#
22)	B Endosulfa...	10.766	12.461	2607.4E6	4143.6E6	3.898	3.550	
23)	A Methoxychlor	10.437	12.972	1493.2E6	2148.8E6	4.556	3.459	
24)	Mirex	10.595	13.318	2187.4E6	3561.5E6	3.822	4.296	
25)	B Endrin Ke...	11.201	13.365	2936.2E6	5027.5E6	3.807	4.132	
	Sum Toxaphene			0	0	N.D.	N.D.	
Average	Toxaphene					0.000	0.000	

SemiQuant Compounds - Not Calibrated on this Instrument

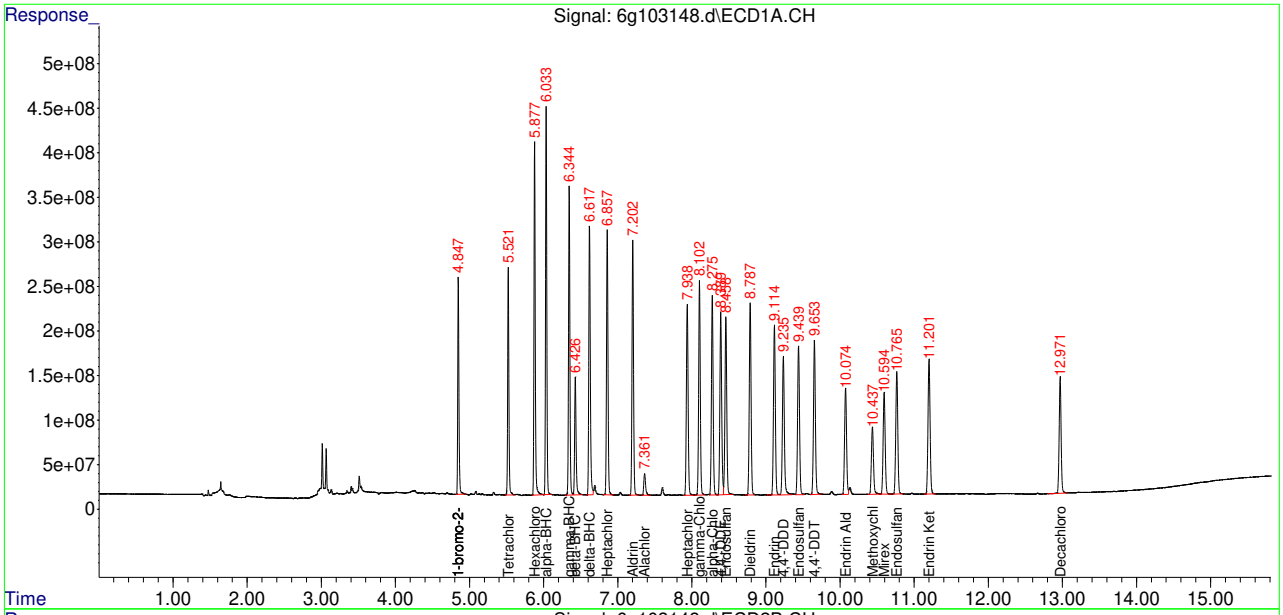
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

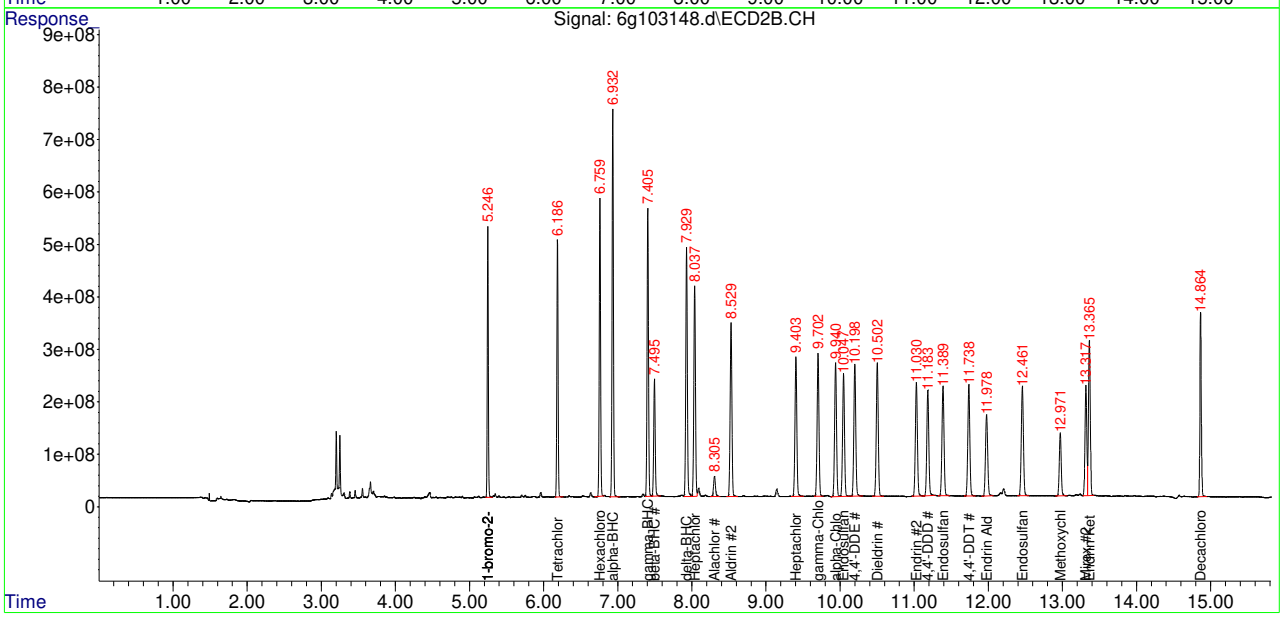
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103148.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 14:20 pm
Operator : rebeccak
Sample : ic3879-5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 4 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:43:23 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:28:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





6G103149.D

Manual Integrations APPROVED (compounds with "m" flag)

Rebecca Krug 12/09/24 11:00

7.6.7

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103149.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 14:40 pm
Operator : rebeccak
Sample : ic3879-7.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 10 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:44:40 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:28:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
		Internal Standards						
1)	I	1-bromo-2...	4.848	5.248	2702.9E6	4995.5E6	5.000	5.000
27)	I	1-bromo-2...	4.848	5.248	2702.9E6	4995.5E6	5.000	5.000
33)	I	1-bromo-2...	4.848	5.248	2702.9E6	4995.5E6	5.000	5.000
		System Monitoring Compounds						
2)	SAB	Tetrachlo...	5.523	6.189	4263.4E6	5544.1E6	7.081	5.207 #
		Spiked Amount	40.000	Range	30 - 150	Recovery	= 17.70%#	13.02%#
26)	SA	Decachlor...	12.971	14.867	3424.1E6	6872.1E6	4.728	8.539 #
		Spiked Amount	40.000			Recovery	= 11.82%	21.35%
		Target Compounds						
3)		Hexachlor...	5.879	6.761	6846.8E6	10210.8E6	7.023	5.797
4)	A	alpha-BHC	6.036	6.936	7384.4E6	13464.1E6	7.250	6.451
5)	MA	gamma-BHC	6.346	7.408	6473.2E6	10639.3E6	7.262	6.011
6)	MA	Heptachlor	6.860	8.040	5833.6E6	8768.5E6	6.885	5.250
7)	B	beta-BHC	6.429	7.498	2648.7E6	4519.9E6	6.922	5.723
8)	B	delta-BHC	6.621	7.930	6319.2E6	10414.2E6	7.214	5.773
9)	MB	Aldrin	7.204	8.531	5898.3E6	7598.2E6	7.095	4.578 #
10)		Alachlor	7.364	8.307	559.2E6	884.2E6	6.456	5.117
11)	B	Heptachlo...	7.940	9.406	4287.7E6	6489.3E6	5.799	4.429
12)	B	gamma-Chl...	8.104	9.706	5345.6E6	6700.5E6	6.139	4.443 #
13)	B	alpha-Chl...	8.278	9.943	5147.3E6	6616.6E6	6.533	4.395 #
14)	A	Endosulfan I	8.461	10.051	4880.4E6	5833.0E6	6.541	4.224 #
15)	B	4,4'-DDE	8.391	10.200	4891.3E6	6291.1E6	6.246	4.167 #
16)	MA	Dieldrin	8.788	10.504	5286.5E6	6488.5E6	6.413	4.378 #
17)	MA	Endrin	9.116	11.033	4609.7E6	5722.5E6	6.494	4.886
18)	A	4,4'-DDD	9.234	11.187	3992.4E6	5176.4E6	6.100	4.313 #
19)	B	Endosulfa...	9.443	11.392	4280.8E6	5566.6E6	5.932	4.211 #
20)	MA	4,4'-DDT	9.654	11.740	4222.2E6	5504.4E6	6.337	4.280 #
21)	B	Endrin Al...	10.076	11.980	3167.2E6	4398.2E6	5.522	4.038 #
22)	B	Endosulfa...	10.765	12.463	3714.7E6	5678.9E6	5.501m	4.908
23)	A	Methoxychlor	10.436	12.973	2128.4E6	3006.2E6	6.433	4.881
24)		Mirex	10.596	13.320	3154.3E6	4962.6E6	5.459	6.038
25)	B	Endrin Ke...	11.204	13.367	4214.6E6	6982.7E6	5.413	5.789
		Sum Toxaphene			0	0	N.D.	N.D.
Average		Toxaphene					0.000	0.000
		SemiQuant Compounds - Not Calibrated on this Instrument						

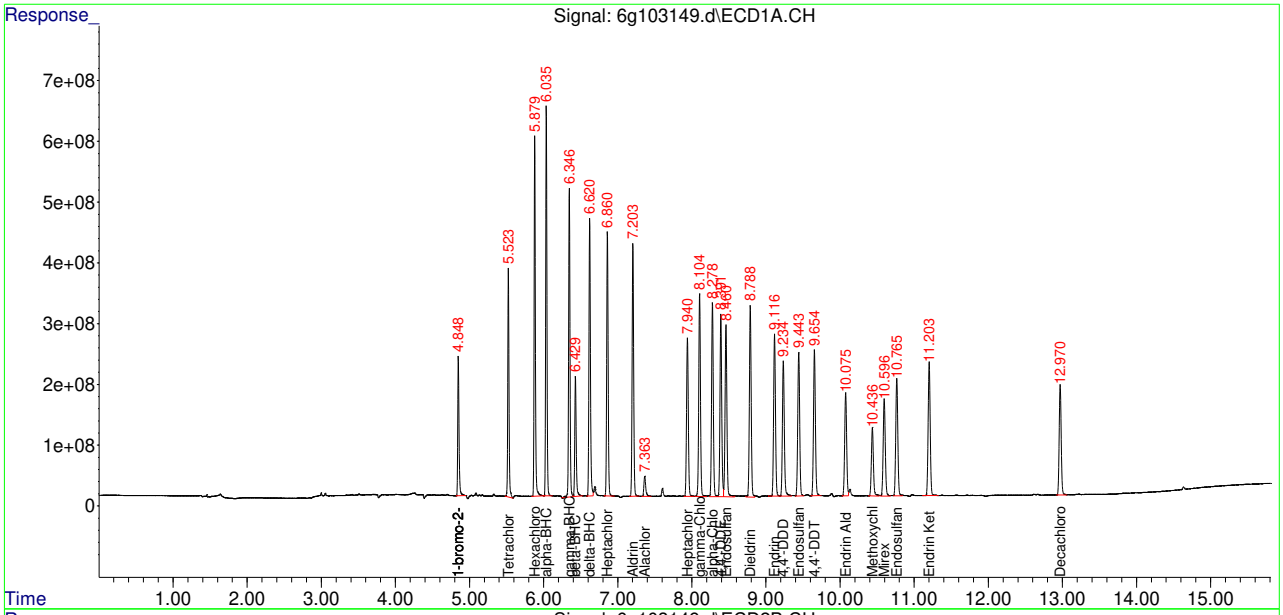
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

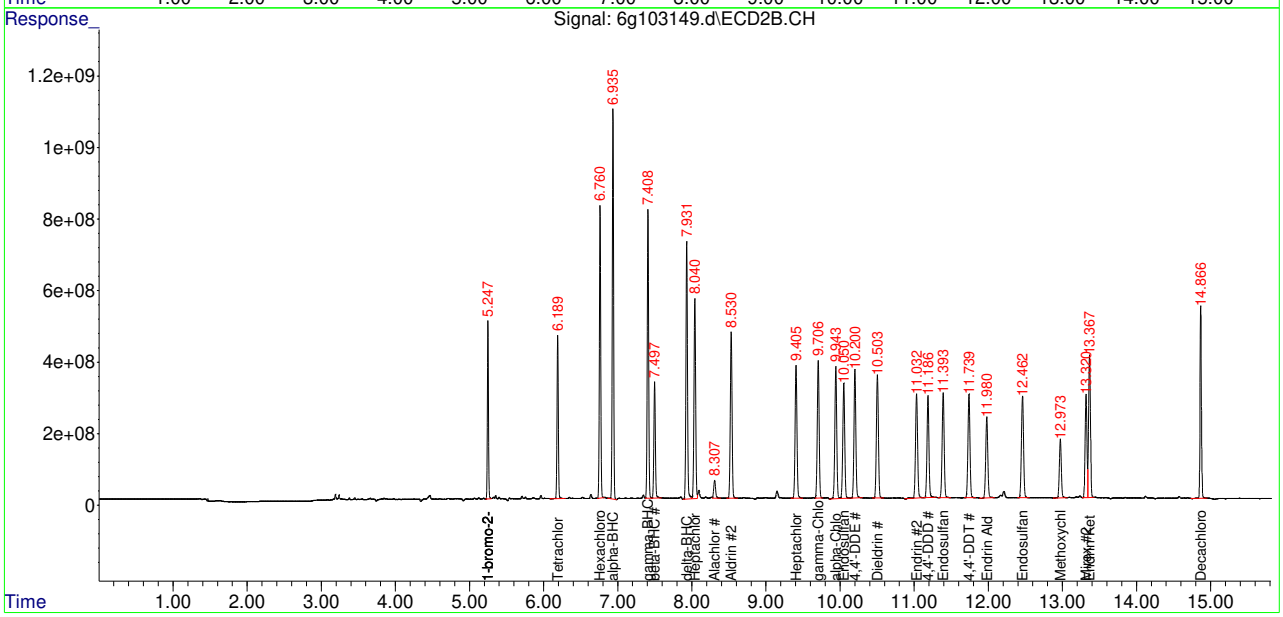
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103149.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 14:40 pm
Operator : rebeccak
Sample : ic3879-7.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 10 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:44:40 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:28:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





Manual Integration Approval Summary

Sample Number:	G6G3879-IC3879	**Method:**	SW846 8081B
Lab FileID:	6G103149.D	**Analyst approved:**	12/08/24 21:53 Rebecca Krug
Injection Time:	12/06/24 14:40	**Supervisor approved:**	12/09/24 11:00 Rebecca Krug

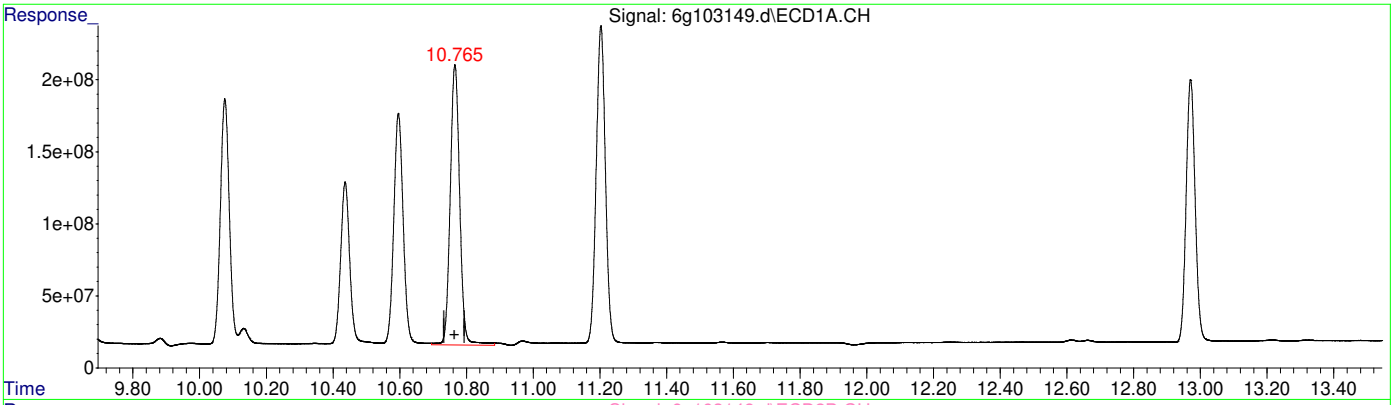
Parameter	CAS	Sig#	R.T. (min.)	Reason
Endosulfan sulfate	1031-07-8	1	10.76	Poorly defined baseline

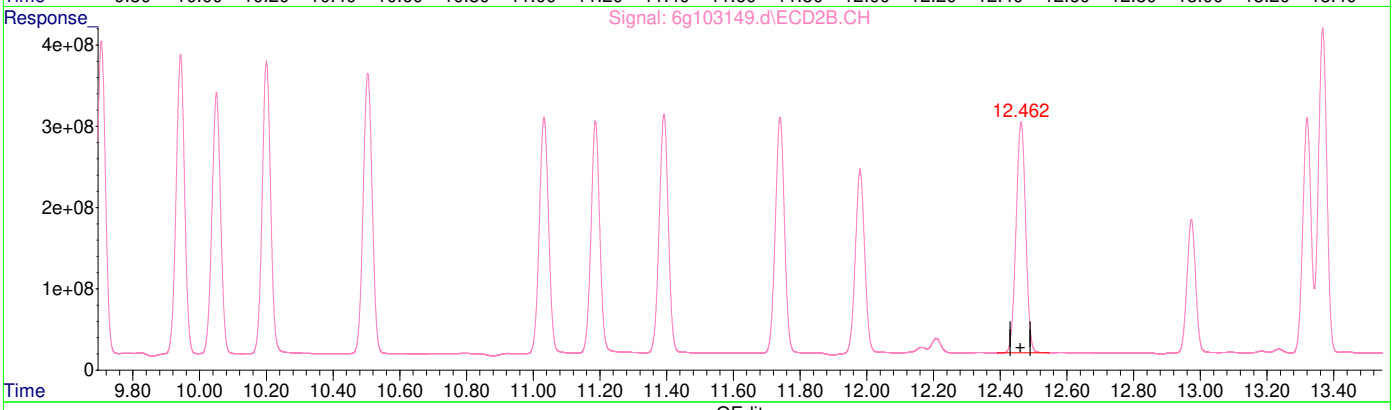
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103149.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 14:40 pm
Operator : rebeccak
Sample : ic3879-7.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 10 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:43:58 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:28:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(22) Endosulfan Sulfate (B)

10.765min 5.691 PPB

response 3843401542

(22) Endosulfan Sulfate #2 (B)

12.463min 4.908 PPB

response 5678938333

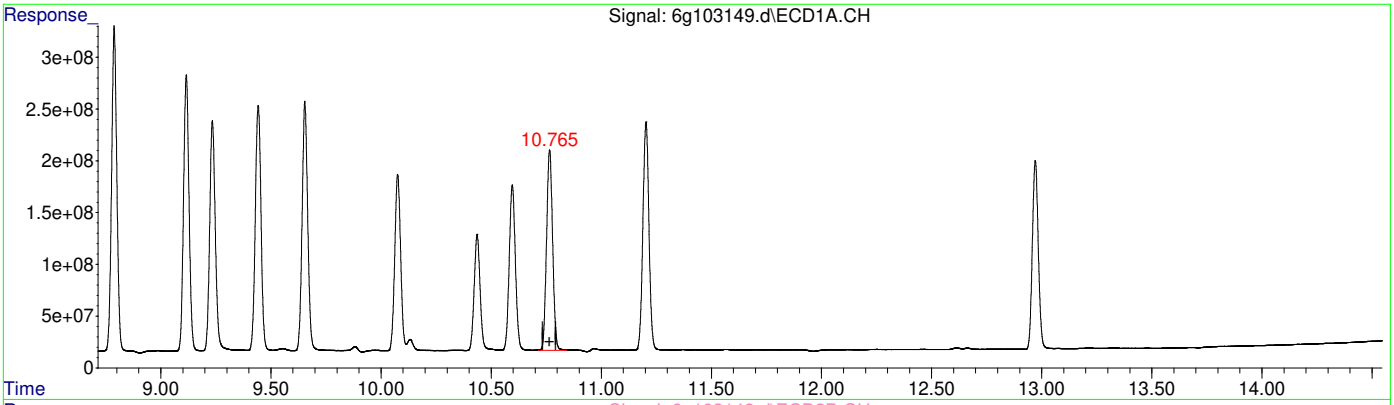
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:44:35 2024

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103149.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 14:40 pm
Operator : rebeccak
Sample : ic3879-7.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 10 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:43:58 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:28:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



(22) Endosulfan Sulfate (B)

10.765min 5.501 PPB m

response 3714736869

(22) Endosulfan Sulfate #2 (B)

12.463min 4.908 PPB

response 5678938333

(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 18:44:44 2024

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103150.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 15:01 pm
Operator : rebeccak
Sample : ic3879-10
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 11 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 21:31:31 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:28:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1)	I 1-bromo-2...	4.848	5.247	2793.2E6	5267.3E6	5.000	5.000
27)	I 1-bromo-2...	4.848	5.247	2793.2E6	5267.3E6	5.000	5.000
33)	I 1-bromo-2...	4.848	5.247	2793.2E6	5267.3E6	5.000	5.000
	System Monitoring Compounds						
2)	SAB Tetrachlo...	5.522	6.186	5870.7E6	8733.5E6	9.435	7.779
	Spiked Amount 40.000	Range 30 - 150		Recovery =		23.59%#	19.45%#
26)	SA Decachlor...	12.969	14.865	4908.4E6	9586.0E6	6.558	11.297 #
	Spiked Amount 40.000			Recovery =		16.40%	28.24%
	Target Compounds						
3)	Hexachlor...	5.878	6.760	9565.9E6	14338.9E6	9.495	7.721
4)	A alpha-BHC	6.033	6.933	10385.9E6	19161.8E6	9.867	8.707
5)	MA gamma-BHC	6.343	7.406	9059.5E6	15066.0E6	9.834	8.072
6)	MA Heptachlor	6.858	8.039	8178.5E6	12069.9E6	9.340	6.853 #
7)	B beta-BHC	6.427	7.495	3735.6E6	6334.6E6	9.447	7.607
8)	B delta-BHC	6.617	7.929	9021.6E6	14848.4E6	9.966	7.806
9)	MB Aldrin	7.202	8.530	8182.8E6	10116.9E6	9.524	5.782 #
10)	Alachlor	7.362	8.306	759.7E6	1183.1E6	8.487	6.493
11)	B Heptachlo...	7.938	9.404	6443.7E6	8853.5E6	8.433	5.731 #
12)	B gamma-Chl...	8.102	9.704	7622.1E6	9458.0E6	8.470	5.948 #
13)	B alpha-Chl...	8.275	9.940	7382.7E6	9270.8E6	9.067	5.840 #
14)	A Endosulfan I	8.459	10.047	6694.8E6	8010.9E6	8.683	5.501 #
15)	B 4,4'-DDE	8.389	10.199	7177.5E6	9122.5E6	8.869	5.731 #
16)	MA Dieldrin	8.786	10.503	7404.1E6	8979.4E6	8.692	5.746 #
17)	MA Endrin	9.114	11.030	6679.2E6	8034.4E6	9.105	6.506 #
18)	A 4,4'-DDD	9.232	11.185	5810.7E6	7418.7E6	8.592	5.863 #
19)	B Endosulfa...	9.440	11.389	6094.1E6	7758.8E6	8.172	5.567 #
20)	MA 4,4'-DDT	9.652	11.738	6319.6E6	7981.6E6	9.178	5.886 #
21)	B Endrin Al...	10.074	11.978	4512.3E6	6065.6E6	7.613	5.282 #
22)	B Endosulfa...	10.764	12.461	5476.8E6	7976.1E6	7.848	6.537
23)	A Methoxychlor	10.435	12.971	2978.1E6	4067.3E6	8.710	6.263 #
24)	Mirex	10.594	13.318	4499.4E6	7205.4E6	7.535	8.315
25)	B Endrin Ke...	11.201	13.365	6007.6E6	9616.6E6	7.466	7.561
	Sum Toxaphene			0	0	N.D.	N.D.
Average	Toxaphene					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

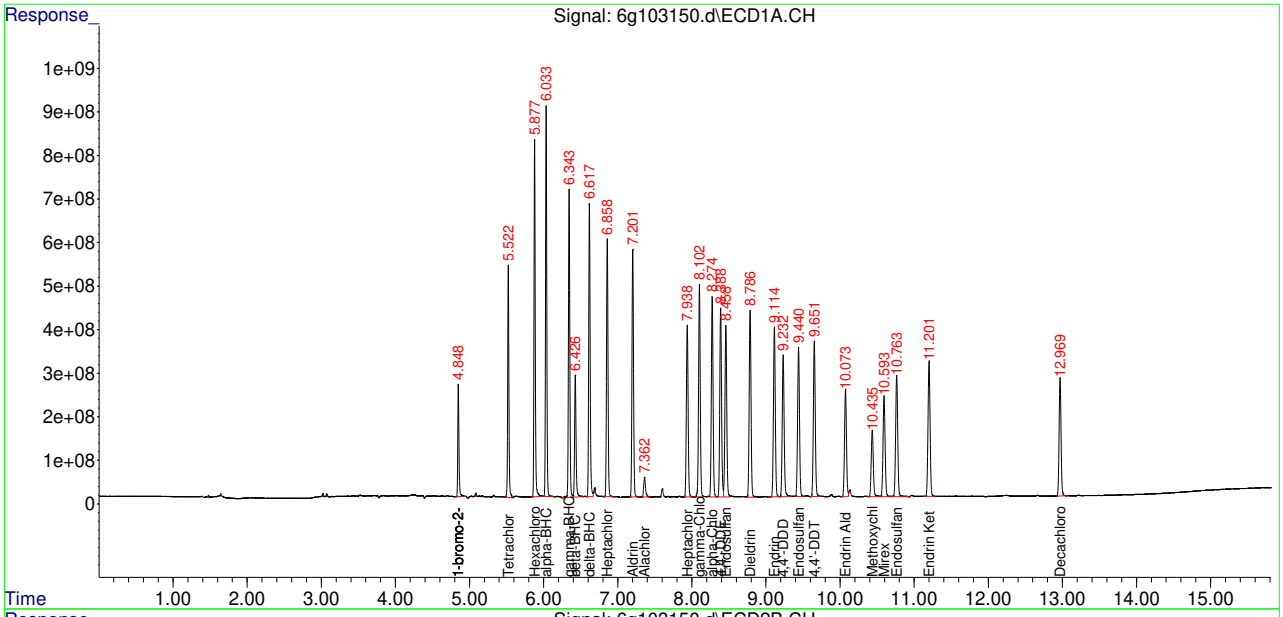
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

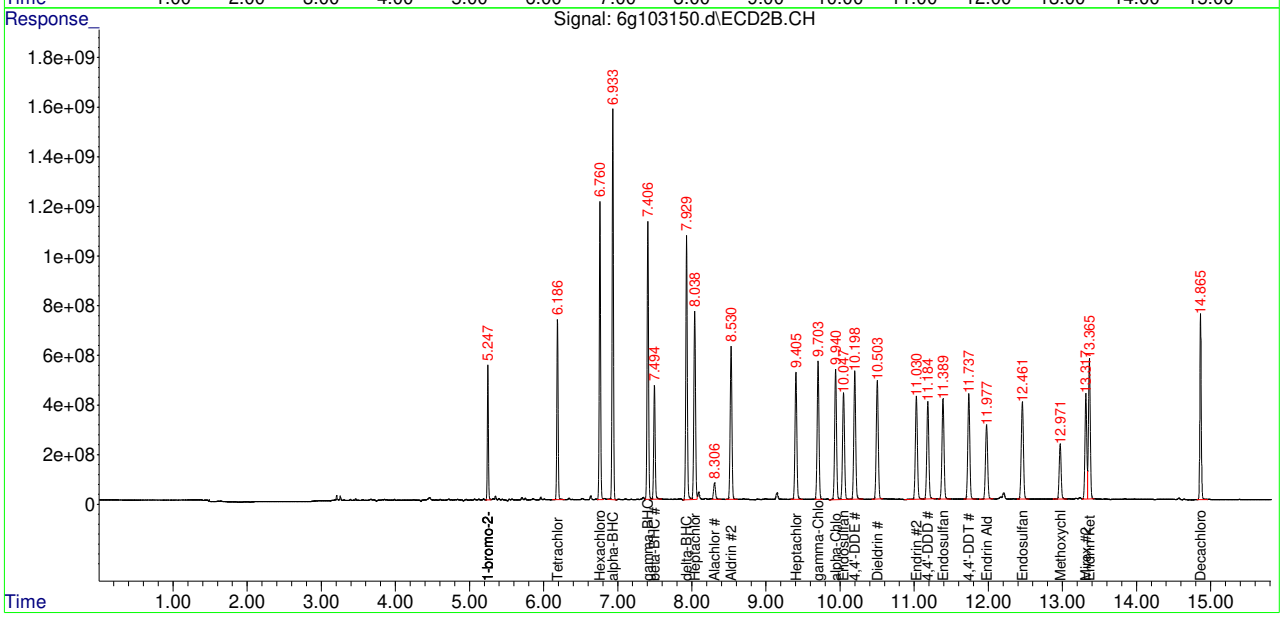
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103150.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 15:01 pm
Operator : rebeccak
Sample : ic3879-10
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 11 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 21:31:31 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:28:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug 12/09/24 11:00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103151.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 15:22 pm
Operator : rebeccak
Sample : ic3879-50
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 12 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 21:34:02 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 21:33:10 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1)	I 1-bromo-2...	4.847	5.245	2692.8E6	5263.8E6	5.000	5.000
27)	I 1-bromo-2...	4.847	5.245	2692.8E6	5263.8E6	5.000	5.000
33)	I 1-bromo-2...	4.847	5.245	2692.8E6	5263.8E6	5.000	5.000
	System Monitoring Compounds						
2)	SAB Tetrachlo...	5.520	6.185	3172.0E6	5851.9E6	5.288	5.216
	Spiked Amount 40.000	Range 30 - 150		Recovery =		13.22%#	13.04%#
26)	SA Decachlor...	12.969	14.865	2544.1E6	4879.3E6	3.526	5.754 #
	Spiked Amount 40.000			Recovery =		8.81%	14.38%
	Target Compounds						
	Sum Toxaphene			0	0	N.D.	N.D.
	Average Toxaphene					0.000	0.000
34)	Chlordane...	6.856	8.036	2365.0E6	3718.2E6	59.350	43.270 #
35)	Chlordane...	7.351	8.729	1279.4E6	1866.9E6	54.977	39.949 #
36)	Chlordane...	8.101	9.701	4925.1E6	5778.2E6	56.012	35.478 #
37)	Chlordane...	8.267	9.939	7505.8E6	9731.8E6	55.827	38.037m#
38)	Chlordane...	9.340	11.475	1150.3E6	1591.8E6	54.519	39.318 #
	SemiQuant Compounds - Not Calibrated on this Instrument						

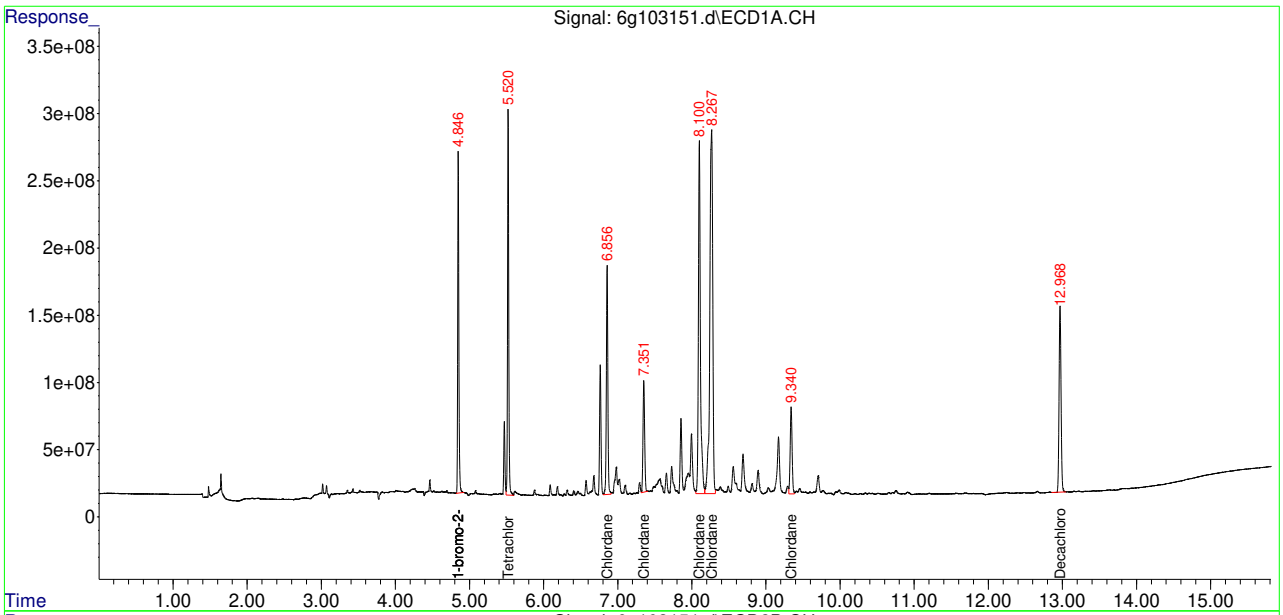
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

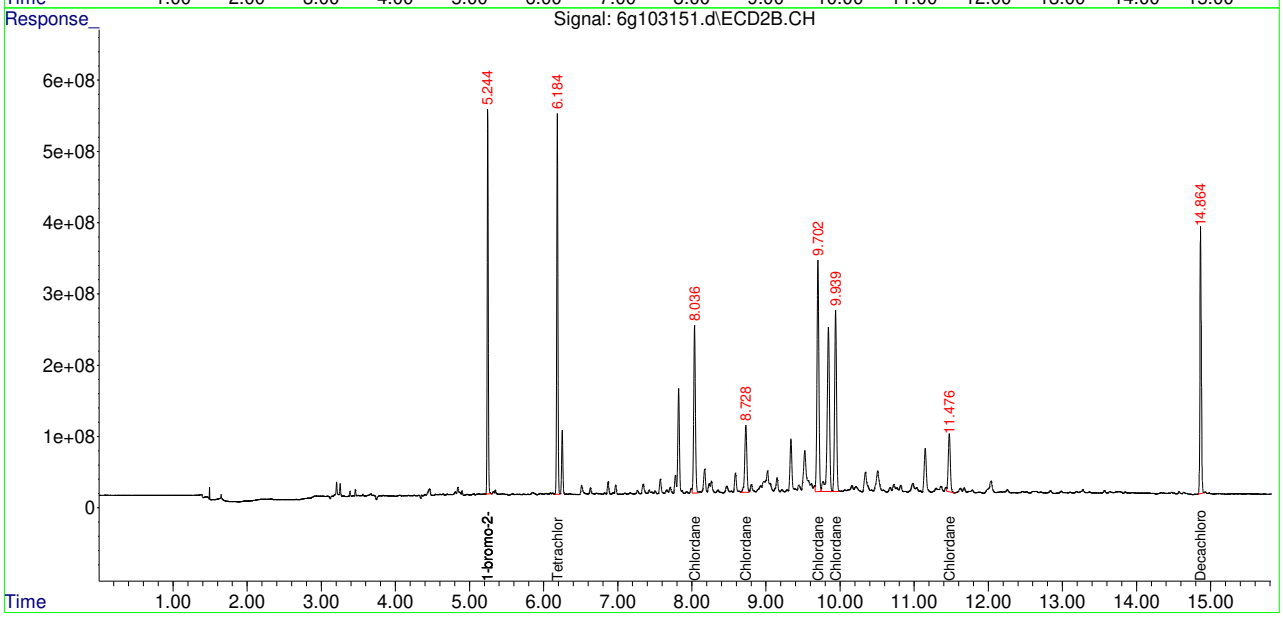
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103151.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 15:22 pm
Operator : rebeccak
Sample : ic3879-50
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 12 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 21:34:02 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 21:33:10 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





Manual Integration Approval Summary

Sample Number:	G6G3879-IC3879	**Method:**	SW846 8081B
Lab FileID:	6G103151.D	**Analyst approved:**	12/08/24 21:53 Rebecca Krug
Injection Time:	12/06/24 15:22	**Supervisor approved:**	12/09/24 11:00 Rebecca Krug

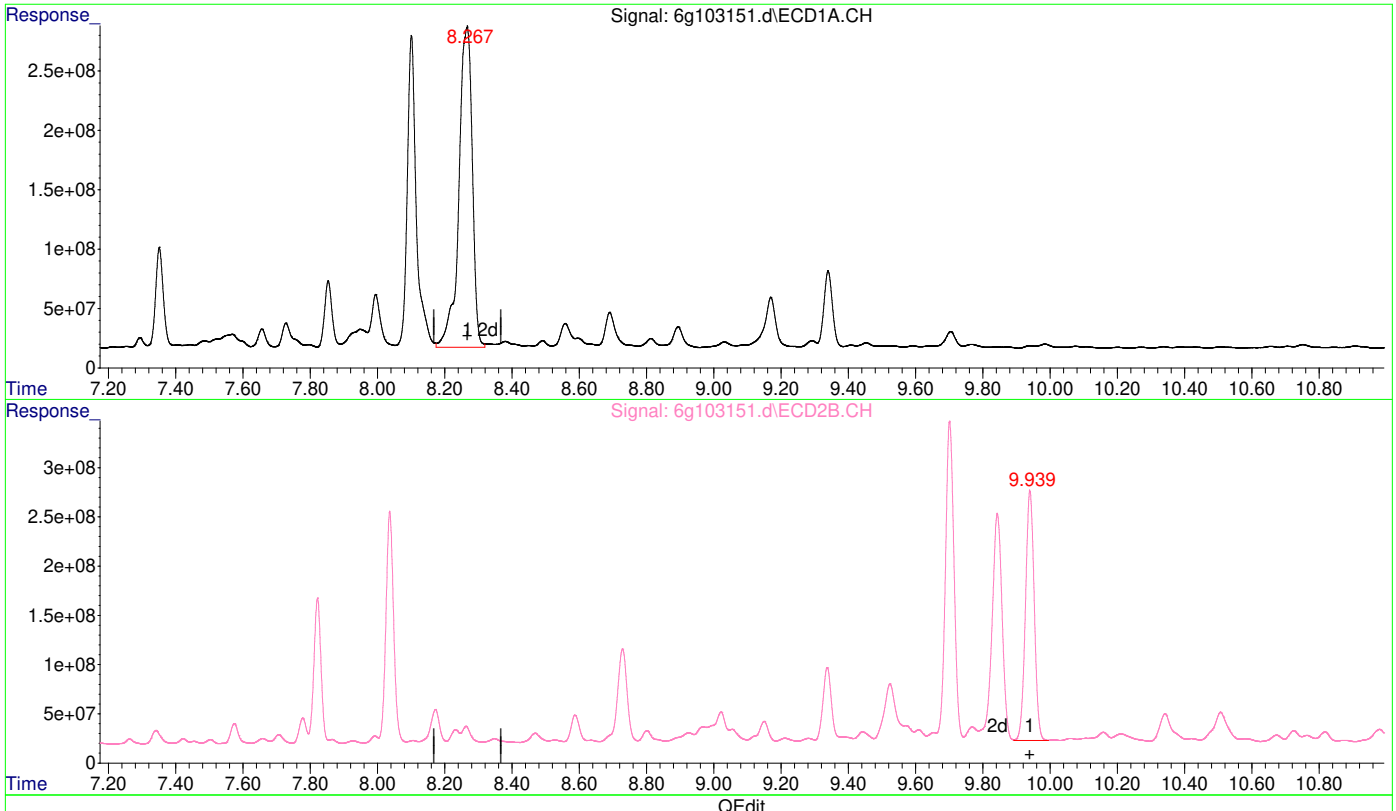
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chlordane-D		2	9.94	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103151.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 15:22 pm
Operator : rebeccak
Sample : ic3879-50
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 12 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 21:33:18 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 21:33:10 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



(37) Chlordane {D}
8.267min 55.827 PPB
response 7505795056

(37) Chlordane {D} #2
9.940min 17.951 PPB
response 4592904420

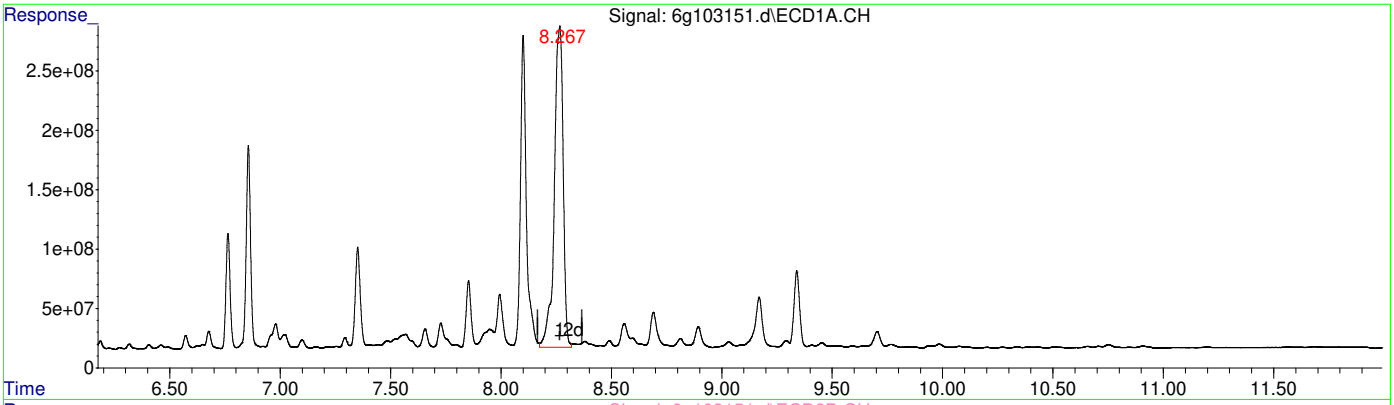
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 21:33:48 2024

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103151.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 15:22 pm
Operator : rebeccak
Sample : ic3879-50
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 12 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 21:33:18 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 21:33:10 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



(37) Chlordane {D}
8.267min 55.827 PPB
response 7505795056

(37) Chlordane {D} #2
9.939min 38.037 PPB m
response 9731800156

(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 21:34:06 2024

Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug 12/09/24 11:00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103152.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 15:43 pm
Operator : rebeccak
Sample : ic3879-50
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 13 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 21:49:00 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 21:33:10 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1)	I 1-bromo-2...	4.849	5.247	2777.3E6	5217.7E6	5.000	5.000
27)	I 1-bromo-2...	4.849	5.247	2777.3E6	5217.7E6	5.000	5.000
33)	I 1-bromo-2...	4.849	5.247	2777.3E6	5217.7E6	5.000	5.000
	System Monitoring Compounds						
2)	SAB Tetrachlo...	5.522	6.187	2906.4E6	5386.0E6	4.698	4.843
	Spiked Amount 40.000	Range 30 - 150		Recovery =		11.75%#	12.11%#
26)	SA Decachlor...	12.968	14.864	2461.9E6	4613.3E6	3.308	5.488 #
	Spiked Amount 40.000			Recovery =		8.27%	13.72%
	Target Compounds						
28)	L8 Toxaphene{A}	8.266f	10.465f	182.6E6	503.0E6	44.410m	87.766m#
29)	L8 Toxaphene{B}	8.918	11.666	252.5E6	629.9E6	28.642m	47.897m#
30)	L8 Toxaphene{C}	9.609	11.852	514.1E6	458.4E6	39.307m	57.697m#
31)	L8 Toxaphene{D}	10.449	11.974	740.9E6	1054.6E6	40.327m	35.122m
32)	L8 Toxaphene{E}	10.599	12.897	881.1E6	1389.4E6	41.638m	48.265m
	Sum Toxaphene			2571.2E6	4035.3E6	194.324	276.747
Average Toxaphene						38.865	55.349

SemiQuant Compounds - Not Calibrated on this Instrument

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

7.6.10

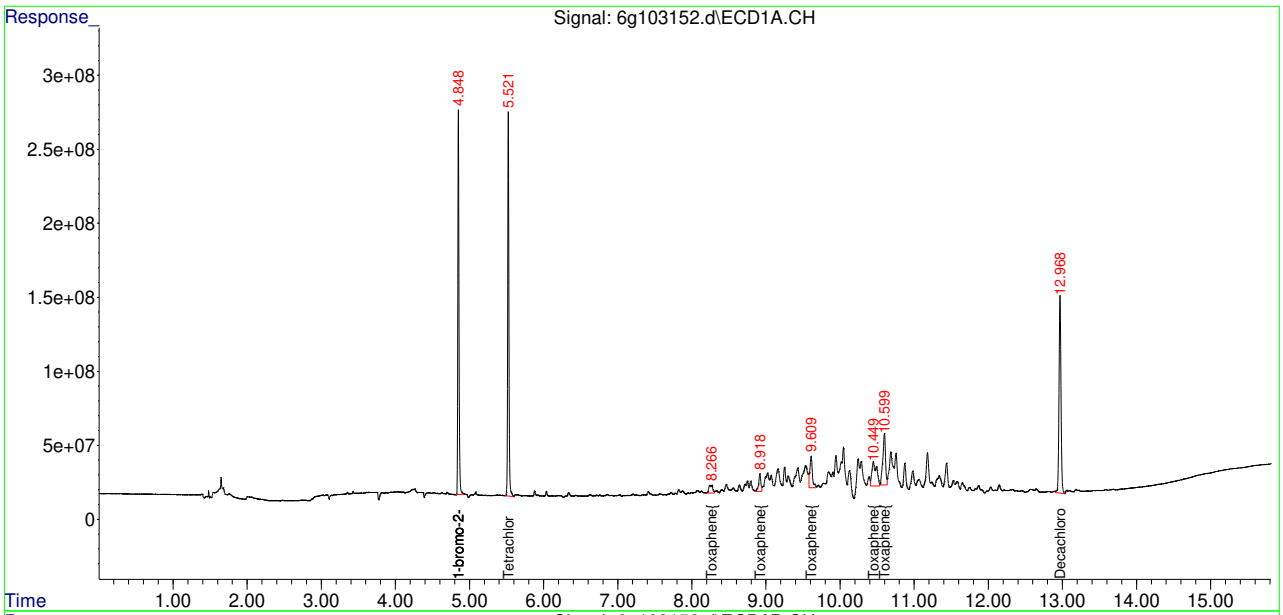
7

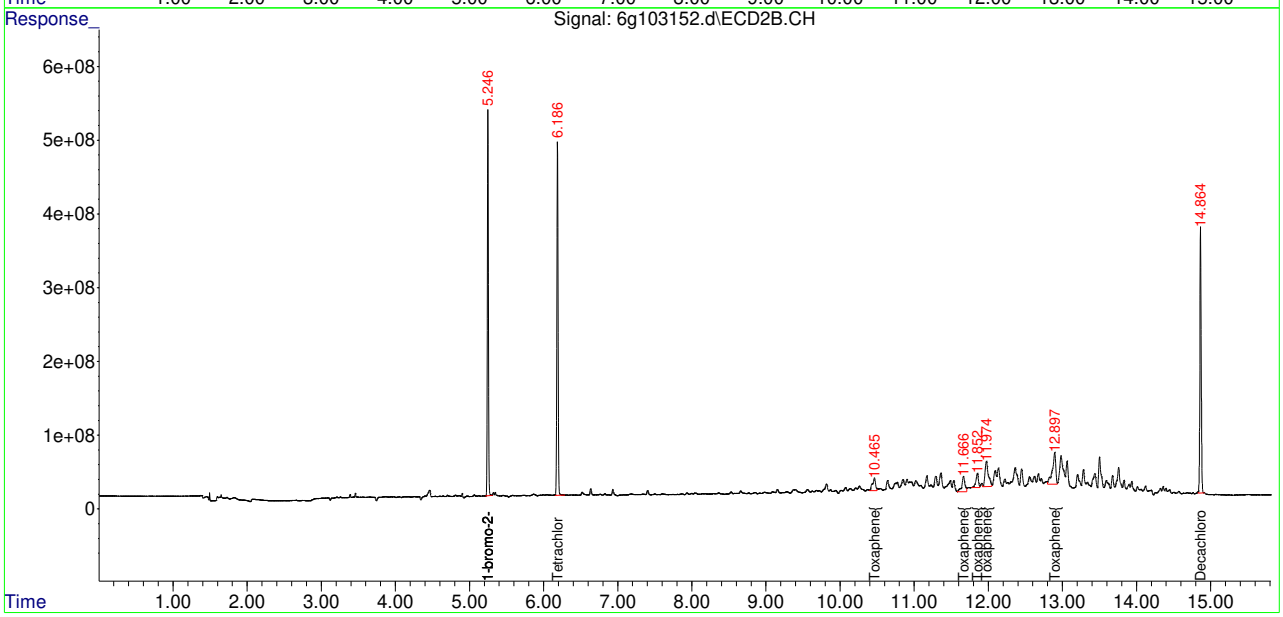
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103152.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 15:43 pm
Operator : rebeccak
Sample : ic3879-50
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 13 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 21:49:00 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 21:33:10 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





Manual Integration Approval Summary

Sample Number: G6G3879-IC3879 **Method:** SW846 8081B
Lab FileID: 6G103152.D **Analyst approved:** 12/08/24 21:53 Rebecca Krug
Injection Time: 12/06/24 15:43 **Supervisor approved:** 12/09/24 11:00 Rebecca Krug

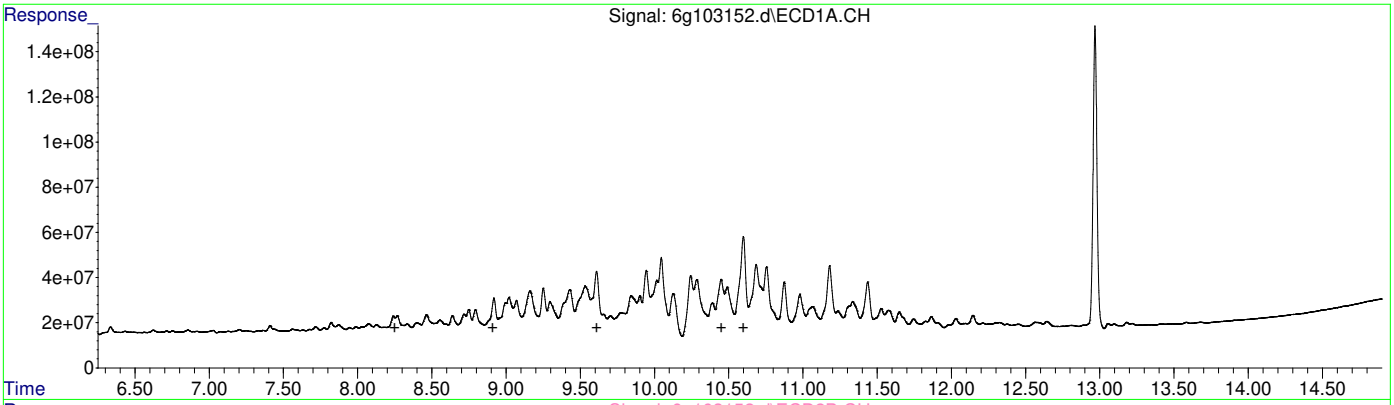
Parameter	CAS	Sig#	R.T. (min.)	Reason
Toxaphene-A		1	8.27	Poorly defined baseline
Toxaphene-B		1	8.92	Poorly defined baseline
Toxaphene-C		1	9.61	Poorly defined baseline
Toxaphene-D		1	10.45	Poorly defined baseline
Toxaphene-A		2	10.47	Poorly defined baseline
Toxaphene-E		1	10.60	Poorly defined baseline
Toxaphene-B		2	11.67	Poorly defined baseline
Toxaphene-C		2	11.85	Poorly defined baseline
Toxaphene-D		2	11.97	Poorly defined baseline
Toxaphene-E		2	12.90	Poorly defined baseline

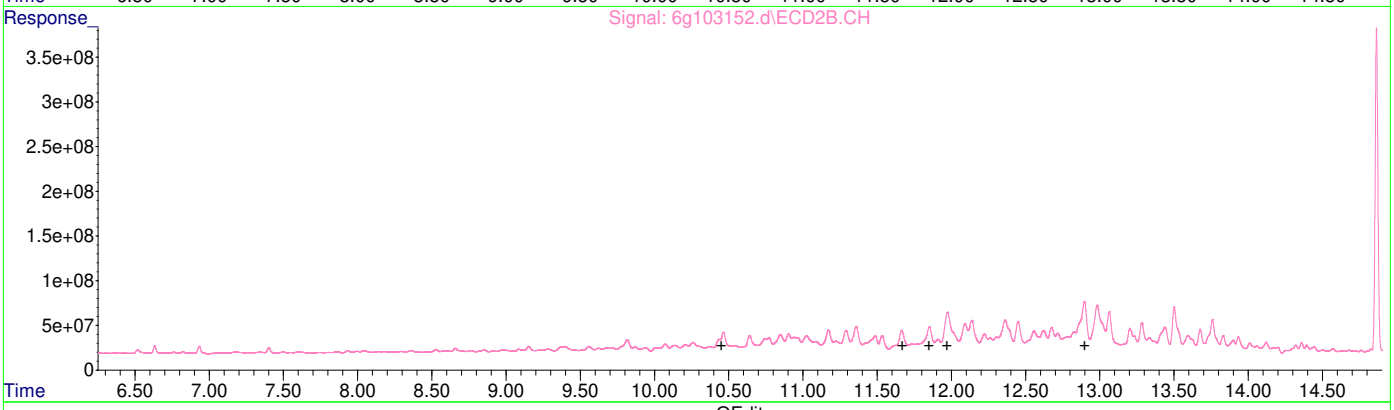
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103152.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 15:43 pm
Operator : rebeccak
Sample : ic3879-50
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 13 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 21:46:45 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 21:33:10 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(28) Toxaphene{A} (L8)

R.T.	Response	Conc
0.00	0	0.00
0.00	0	0.00
0.00	0	0.00
0.00	0	0.00
0.00	0	0.00

(28) Toxaphene{A} #2 (L8)

R.T.	Response	Conc
0.00	0	0.00
0.00	0	0.00
0.00	0	0.00
0.00	0	0.00
0.00	0	0.00

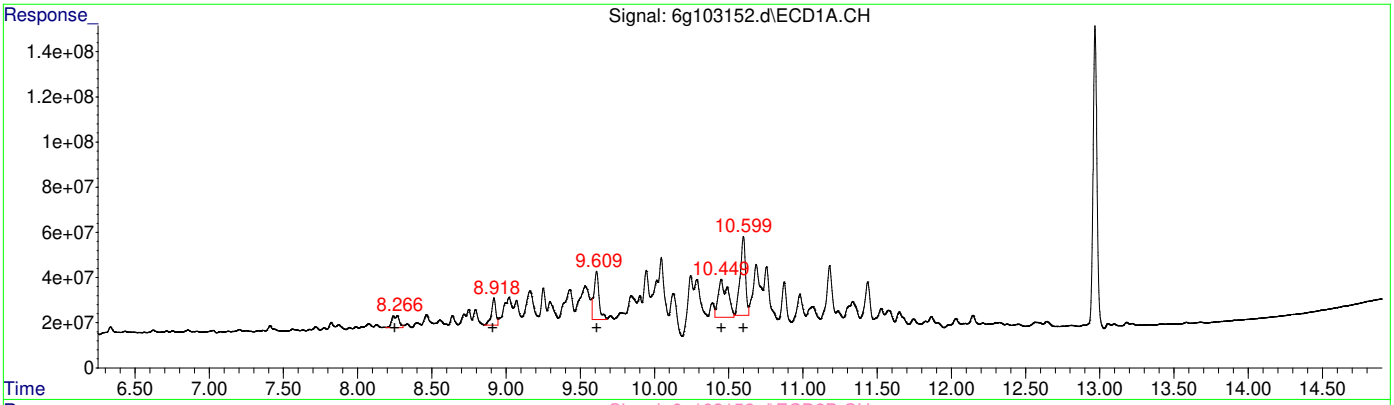
(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 21:47:31 2024

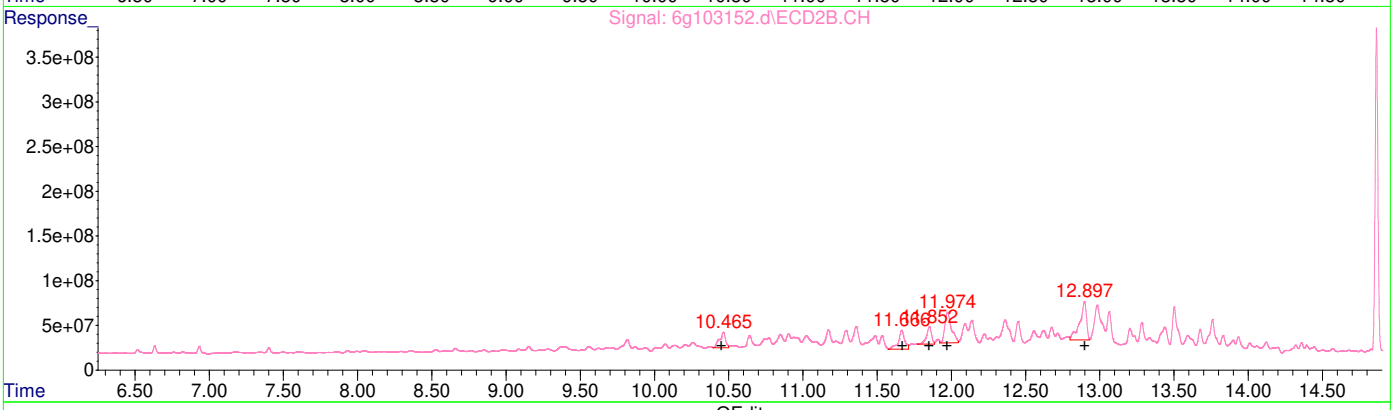
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103152.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 15:43 pm
Operator : rebeccak
Sample : ic3879-50
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 13 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 21:46:45 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 21:33:10 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(28) Toxaphene{A} (L8)

R.T.	Response	Conc
8.27	182570357	44.41
8.92	252528048	28.64
9.61	514073626	39.31
10.45	740871670	40.33
10.60	881149046	41.64

(28) Toxaphene{A} #2 (L8)

R.T.	Response	Conc
10.47	503041308	87.77
11.67	629877713	47.90
11.85	458448799	57.70
11.97	1054615650	35.12
12.90	1389358134	48.27

(+) = Expected Retention Time
6PSTLVI3879a.M Fri Dec 06 21:49:05 2024

Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug 12/09/24 11:00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103154.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 16:25 pm
Operator : rebeccak
Sample : icv3879-50
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 15 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 08 21:49:20 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Sun Dec 08 21:21:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1)	I 1-bromo-2...	4.848	5.246	2713.6E6	5204.6E6	5.000	5.000
27)	I 1-bromo-2...	4.848	5.246	2713.6E6	5204.6E6	5.000	5.000
33)	I 1-bromo-2...	4.848	5.246	2713.6E6	5204.6E6	5.000	5.000
	System Monitoring Compounds						
2)	SAB Tetrachlo...	5.522	6.185	3026.0E6	3759.8E6	5.242	3.921 #
	Spiked Amount 40.000	Range 30 - 150		Recovery =		13.11%#	9.80%#
26)	SA Decachlor...	12.968	14.864	2290.4E6	4694.8E6	4.961	4.823
	Spiked Amount 40.000			Recovery =		12.40%	12.06%
	Target Compounds						
	Sum Toxaphene			0	0	N.D.	N.D.
	Average Toxaphene					0.000	0.000
34)	Chlordane...	6.857	8.037	2315.4E6	3666.3E6	48.578	49.863
35)	Chlordane...	7.352	8.729	1214.9E6	1848.0E6	47.117	50.059
36)	Chlordane...	8.102	9.702	4796.3E6	5715.4E6	48.320	50.020
37)	Chlordane...	8.267	9.939	7255.0E6	9123.0E6	47.961	47.406m
38)	Chlordane...	9.340	11.473	1065.5E6	1709.7E6	45.961	54.314
	SemiQuant Compounds - Not Calibrated on this Instrument						

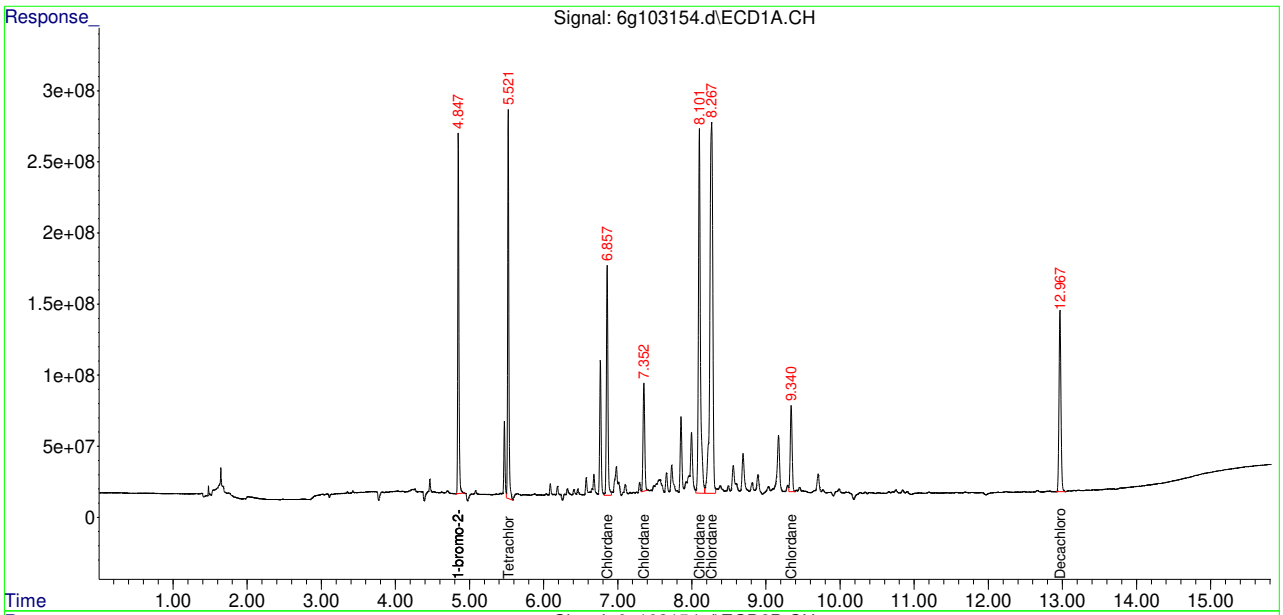
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

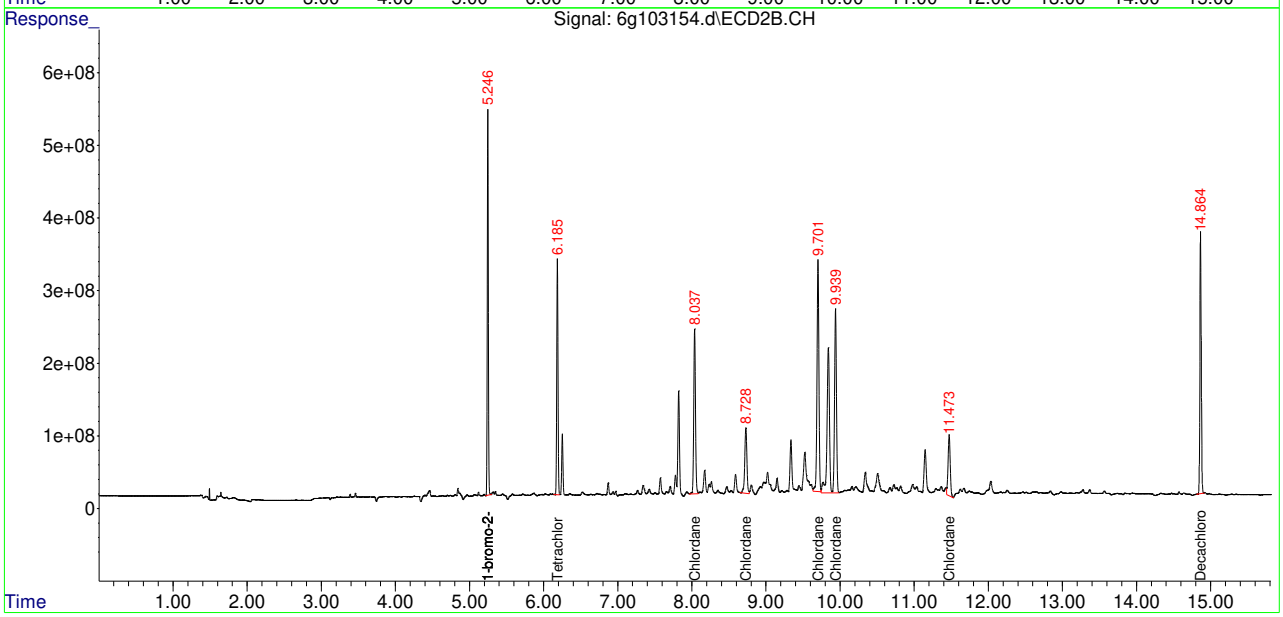
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103154.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 16:25 pm
Operator : rebeccak
Sample : icv3879-50
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 15 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 08 21:49:20 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Sun Dec 08 21:21:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





Manual Integration Approval Summary

Sample Number:	G6G3879-ICV3879	**Method:**	SW846 8081B
Lab FileID:	6G103154.D	**Analyst approved:**	12/08/24 22:00 Rebecca Krug
Injection Time:	12/06/24 16:25	**Supervisor approved:**	12/09/24 11:00 Rebecca Krug

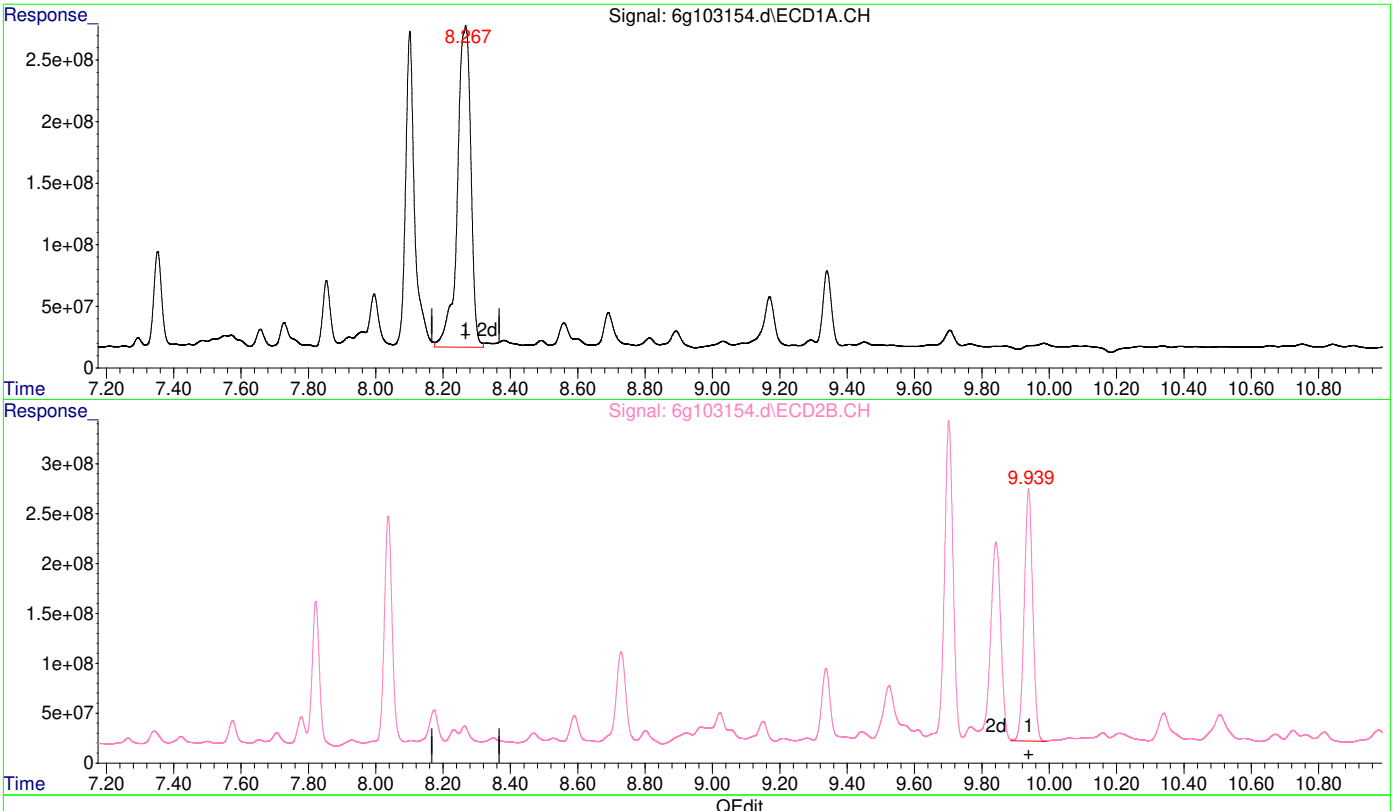
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chlordane-D		2	9.94	Split peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103154.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 16:25 pm
Operator : rebeccak
Sample : icv3879-50
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 15 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 08 21:48:45 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Sun Dec 08 21:21:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



(37) Chlordane {D}
8.267min 47.961 PPB
response 7255023580

(37) Chlordane {D} #2
9.939min 23.136 PPB
response 4452366276

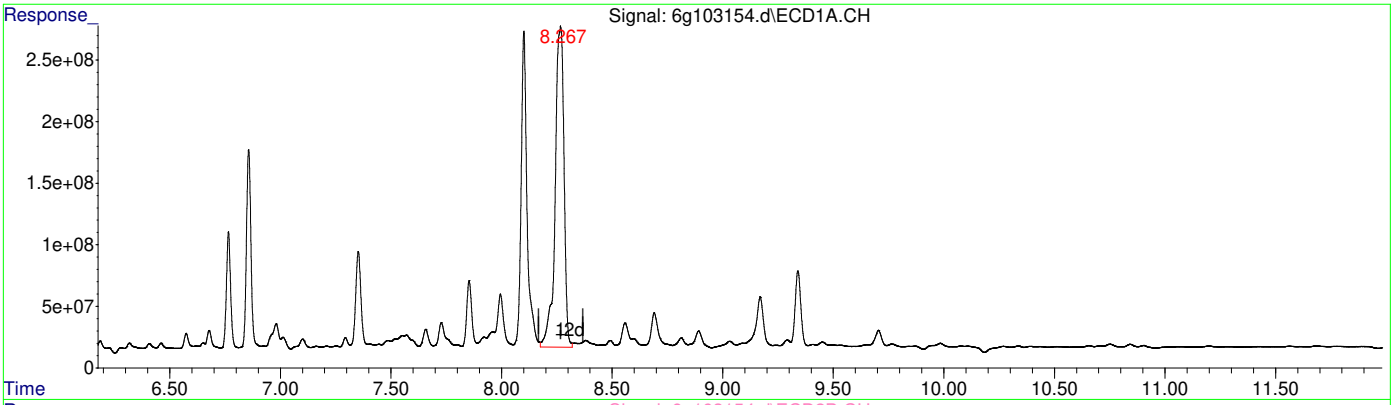
(+) = Expected Retention Time
6PSTLVI3879a.M Sun Dec 08 21:49:12 2024

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103154.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 16:25 pm
Operator : rebeccak
Sample : icv3879-50
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 15 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 08 21:48:45 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Sun Dec 08 21:21:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



(37) Chlordane {D}

8.267min 47.961 PPB

response 7255023580

(37) Chlordane {D} #2

9.939min 47.406 PPB m

response 9122992714

(+) = Expected Retention Time

6PSTLVI3879a.M Sun Dec 08 21:49:23 2024

Manual Integrations APPROVED
(compounds with "m" flag)
Rebecca Krug
12/09/24 11:00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103155.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 16:45 pm
Operator : rebeccak
Sample : icv3879-50
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 16 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 08 21:51:54 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Sun Dec 08 21:21:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1)	I 1-bromo-2...	4.847	5.245	2806.8E6	5224.7E6	5.000	5.000
27)	I 1-bromo-2...	4.847	5.245	2806.8E6	5224.7E6	5.000	5.000
33)	I 1-bromo-2...	4.847	5.245	2806.8E6	5224.7E6	5.000	5.000
	System Monitoring Compounds						
2)	SAB Tetrachlo...	5.520	6.183	3011.7E6	4328.9E6	5.044	4.498
	Spiked Amount 40.000	Range 30 - 150		Recovery =		12.61%#	11.25%#
26)	SA Decachlor...	12.967	14.865	2492.3E6	4844.8E6	5.219	4.958
	Spiked Amount 40.000			Recovery =		13.05%	12.40%
	Target Compounds						
28)	L8 Toxaphene{A}	8.236	10.459	194.6E6	557.6E6	52.726m	55.344m
29)	L8 Toxaphene{B}	8.917	11.666	214.5E6	602.0E6	42.028m	47.725m
30)	L8 Toxaphene{C}	9.606	11.850	491.0E6	545.0E6	47.257m	59.364m#
31)	L8 Toxaphene{D}	10.441	11.970	678.8E6	957.1E6	45.333m	45.315m
32)	L8 Toxaphene{E}	10.596	12.897	722.4E6	1147.3E6	40.561m	41.232m
	Sum Toxaphene			2301.4E6	3809.0E6	227.905	248.980
Average Toxaphene						45.581	49.796

SemiQuant Compounds - Not Calibrated on this Instrument

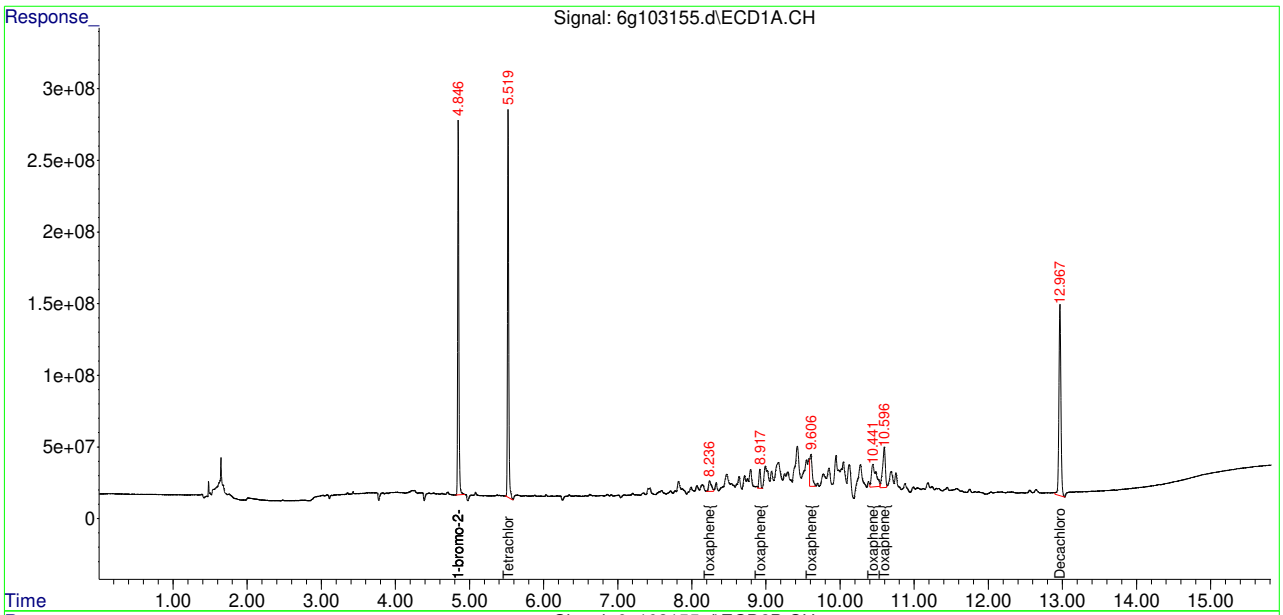
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

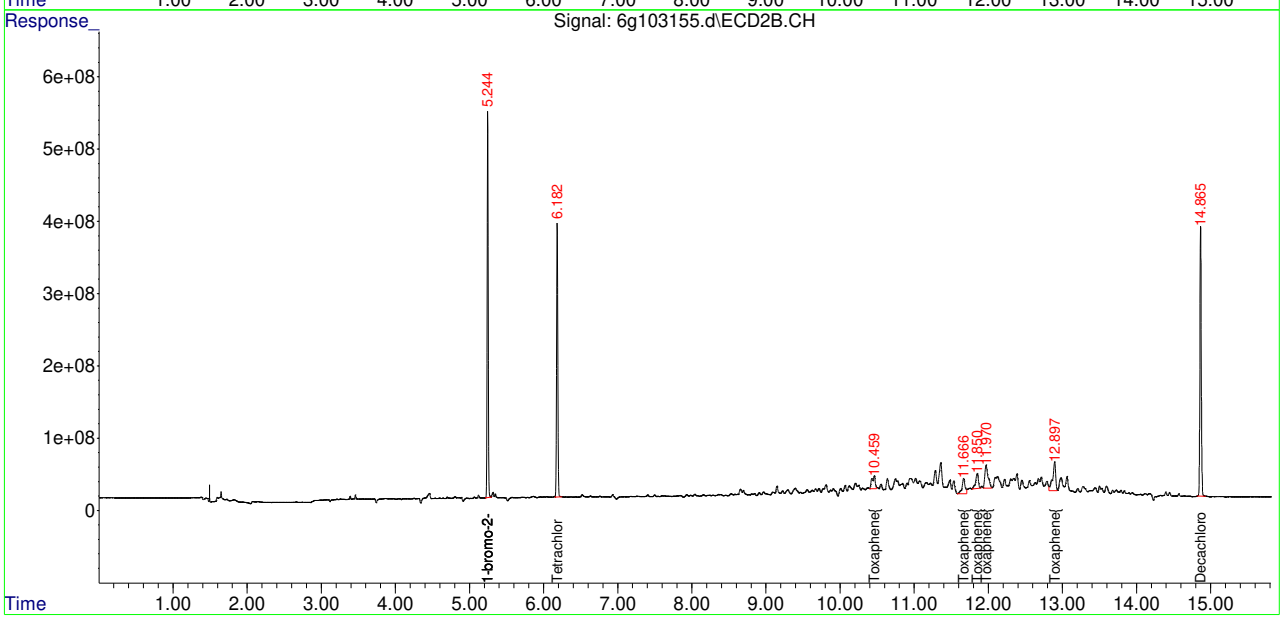
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103155.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 16:45 pm
Operator : rebeccak
Sample : icv3879-50
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 16 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 08 21:51:54 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Sun Dec 08 21:21:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





Manual Integration Approval Summary

Sample Number: G6G3879-ICV3879 **Method:** SW846 8081B
Lab FileID: 6G103155.D **Analyst approved:** 12/08/24 22:00 Rebecca Krug
Injection Time: 12/06/24 16:45 **Supervisor approved:** 12/09/24 11:00 Rebecca Krug

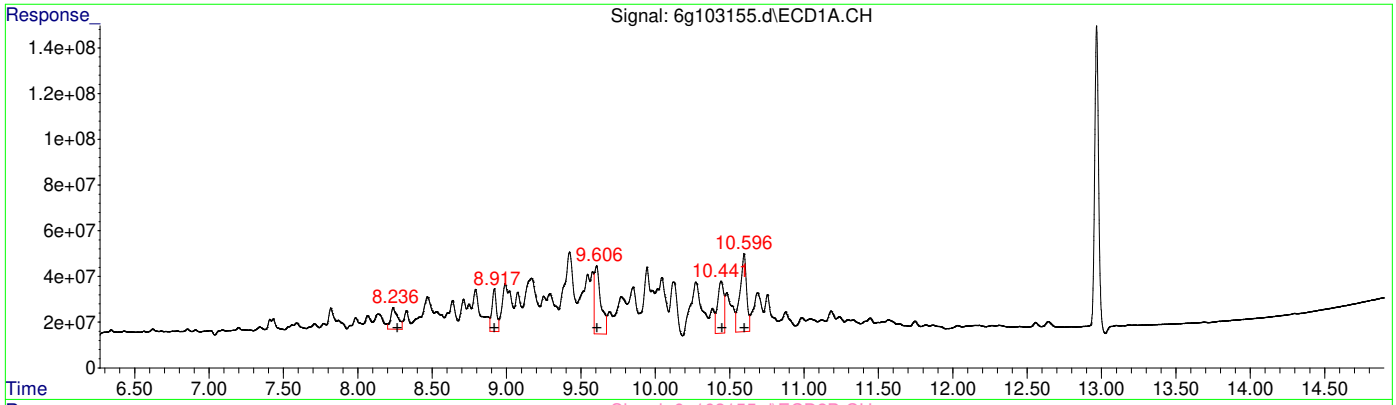
Parameter	CAS	Sig#	R.T. (min.)	Reason
Toxaphene-A		1	8.24	Poorly defined baseline
Toxaphene-B		1	8.92	Poorly defined baseline
Toxaphene-C		1	9.61	Poorly defined baseline
Toxaphene-D		1	10.44	Poorly defined baseline
Toxaphene-A		2	10.46	Poorly defined baseline
Toxaphene-E		1	10.60	Poorly defined baseline
Toxaphene-B		2	11.67	Poorly defined baseline
Toxaphene-C		2	11.85	Poorly defined baseline
Toxaphene-D		2	11.97	Poorly defined baseline
Toxaphene-E		2	12.90	Poorly defined baseline

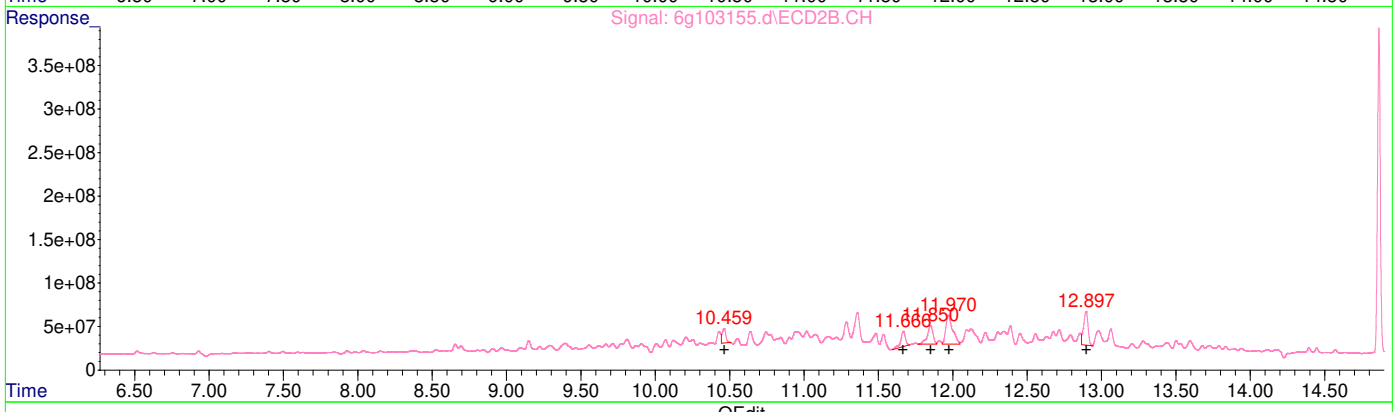
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103155.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 16:45 pm
Operator : rebeccak
Sample : icv3879-50
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 16 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 08 21:49:43 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Sun Dec 08 21:21:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(28) Toxaphene{A} (L8)

R.T.	Response	Conc
8.24	315794359	85.58
8.92	395484660	77.48
9.61	873094451	84.03
10.44	663486005	44.31
10.60	1060489058	59.54

(28) Toxaphene{A} #2 (L8)

R.T.	Response	Conc
10.46	292019666	28.99
11.67	398048457	31.55
11.85	581353148	63.32
11.97	1055409434	49.97
12.90	816364709	29.34

(+) = Expected Retention Time

Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug 12/09/24 11:00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103161.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Dec 2024 6:39 am
Operator : rebeccak
Sample : icv3879-2.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 10 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 08 21:41:01 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Sun Dec 08 21:32:19 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1)	I 1-bromo-2...	4.834	5.231	3820.0E6	6907.5E6	5.000	5.000
27)	I 1-bromo-2...	4.834	5.231	3820.0E6	6907.5E6	5.000	5.000
33)	I 1-bromo-2...	4.834	5.231	3820.0E6	6907.5E6	5.000	5.000
	System Monitoring Compounds						
2)	SAB Tetrachlo...	5.510	6.170	2082.9E6	2918.2E6	2.563	2.293
	Spiked Amount 40.000	Range 30 - 150		Recovery =		6.41%#	5.73%#
26)	SA Decachlor...	12.950f	14.849f	1475.8E6	3359.9E6	2.270m	2.601
	Spiked Amount 40.000			Recovery =		5.67%	6.50%
	Target Compounds						
3)	Hexachlor...	5.864	6.742f	3383.0E6	4814.7E6	2.489	2.216
4)	A alpha-BHC	6.020	6.914f	3528.3E6	6344.3E6	2.582	2.278
5)	MA gamma-BHC	6.330	7.384f	3091.2E6	4061.1E6	2.575	2.137
6)	MA Heptachlor	6.843	8.016f	2959.1E6	4244.6E6	2.563	2.422
7)	B beta-BHC	6.413f	7.474f	1196.9E6	2092.4E6	2.346	2.130
8)	B delta-BHC	6.604f	7.906f	2615.9E6	4359.1E6	2.246	2.101
9)	MB Aldrin	7.186	8.506f	2831.3E6	3705.8E6	2.505	2.354
10)	Alachlor	7.346f	8.282f	300.2E6	521.7E6	2.481m	2.519
11)	B Heptachlo...	7.921f	9.378f	1718.7E6	3105.0E6	2.129	2.360m
12)	B gamma-Chl...	8.084f	9.678f	2588.4E6	3587.1E6	2.428	2.424
13)	B alpha-Chl...	8.258f	9.915f	2563.1E6	3571.2E6	2.538	2.381
14)	A Endosulfan I	8.440f	10.021f	2347.0E6	2889.1E6	2.432m	2.440
15)	B 4,4'-DDE	8.370f	10.173f	2480.8E6	3254.9E6	2.572m	2.281
16)	MA Dieldrin	8.766f	10.476f	2555.2E6	3380.6E6	2.429m	2.550
17)	MA Endrin	9.095f	11.002f	2367.7E6	3038.5E6	2.507	2.597m
18)	A 4,4'-DDD	9.213f	11.158f	2003.6E6	2776.3E6	2.530	2.373
19)	B Endosulfa...	9.419f	11.362f	2235.2E6	2955.8E6	2.573	2.566
20)	MA 4,4'-DDT	9.633f	11.710f	2353.0E6	3002.9E6	2.794	2.503
21)	B Endrin Al...	10.052f	11.950f	1725.0E6	2577.2E6	2.452m	2.790m
22)	B Endosulfa...	10.743f	12.433f	1889.1E6	3125.4E6	2.528m	2.677
23)	A Methoxychlor	10.414f	12.947f	1126.4E6	1670.7E6	2.630	2.720m
24)	Mirex	10.572f	13.295f	1574.9E6	2667.4E6	2.470	2.486
25)	B Endrin Ke...	11.179f	13.343f	1959.2E6	3810.0E6	2.344	2.539
	Sum Toxaphene			0	0	N.D.	N.D.
Average	Toxaphene					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						

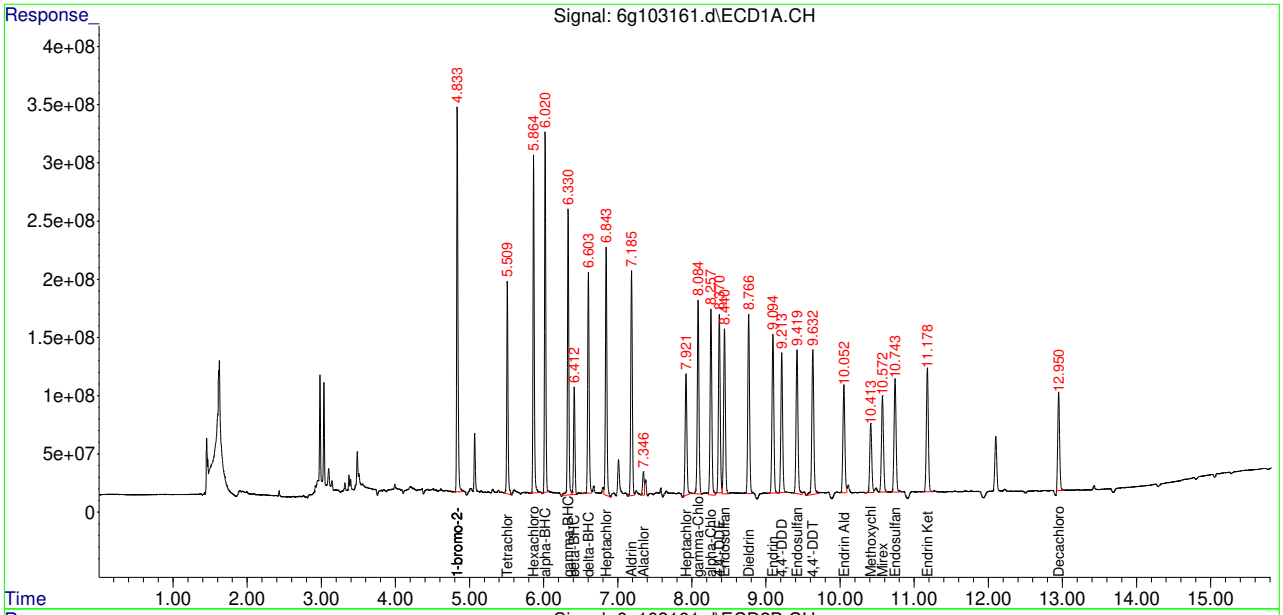
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

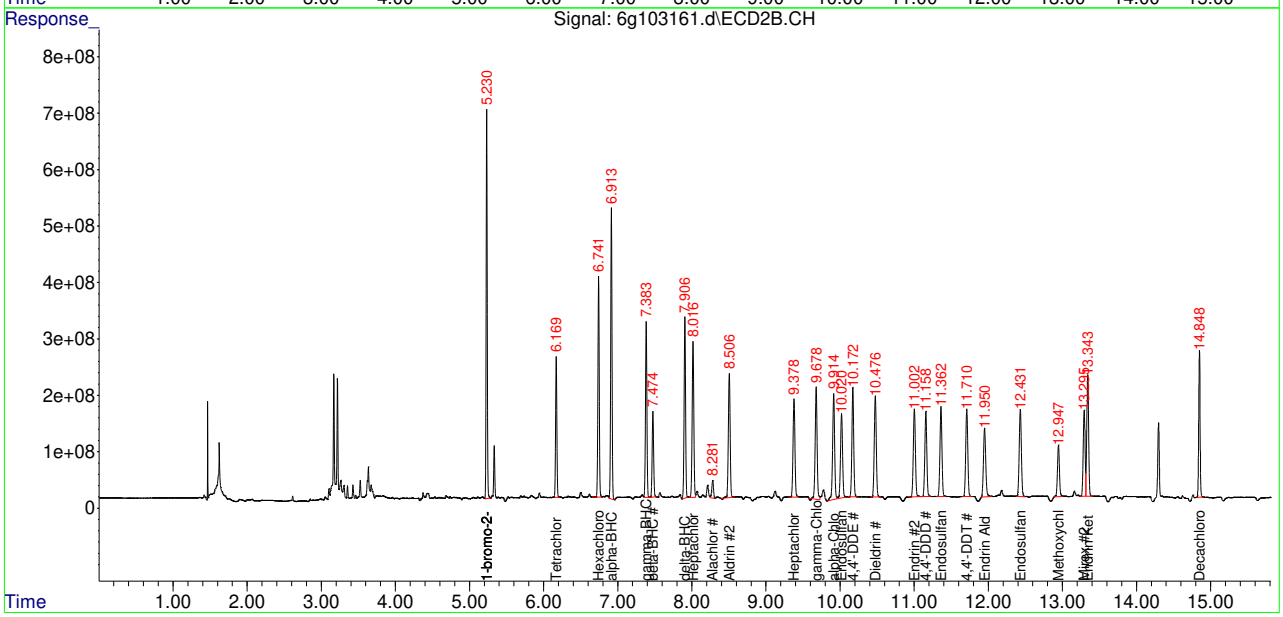
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103161.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Dec 2024 6:39 am
Operator : rebeccak
Sample : icv3879-2.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 10 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 08 21:41:01 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Sun Dec 08 21:32:19 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





Manual Integration Approval Summary

Sample Number: G6G3879-ICV3879 **Method:** SW846 8081B
Lab FileID: 6G103161.D **Analyst approved:** 12/08/24 21:53 Rebecca Krug
Injection Time: 12/07/24 06:39 **Supervisor approved:** 12/09/24 11:00 Rebecca Krug

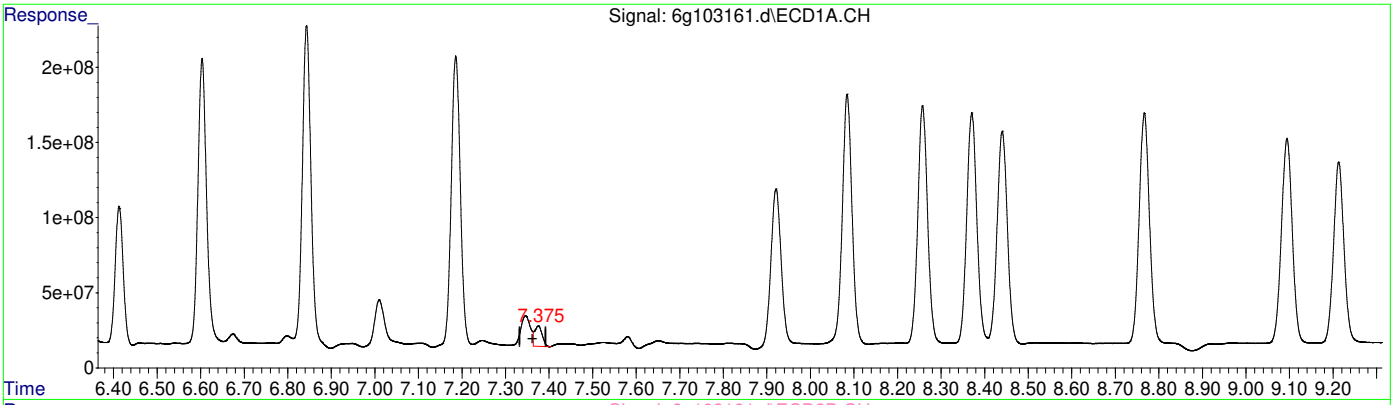
Parameter	CAS	Sig#	R.T. (min.)	Reason
Alachlor	15972-60-8	1	7.35	Poorly defined baseline
4,4'-DDE	72-55-9	1	8.37	Poorly defined baseline
Endosulfan-I	959-98-8	1	8.44	Poorly defined baseline
Dieldrin	60-57-1	1	8.77	Poorly defined baseline
Heptachlor epoxide	1024-57-3	2	9.38	Poorly defined baseline
Endrin aldehyde	7421-93-4	1	10.05	Poorly defined baseline
Endosulfan sulfate	1031-07-8	1	10.74	Poorly defined baseline
Endrin	72-20-8	2	11.00	Poorly defined baseline
Endrin aldehyde	7421-93-4	2	11.95	Poorly defined baseline
Decachlorobiphenyl	2051-24-3	1	12.95	Poorly defined baseline
Methoxychlor	72-43-5	2	12.95	Poorly defined baseline

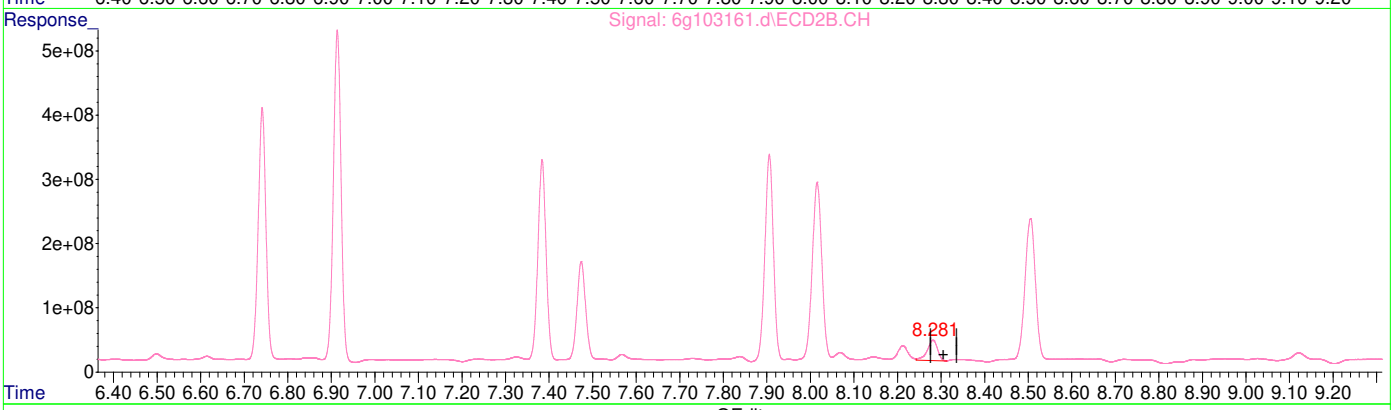
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103161.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Dec 2024 6:39 am
Operator : rebeccak
Sample : icv3879-2.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 10 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 08 21:38:29 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Sun Dec 08 21:32:19 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(10) Alachlor

7.376min 1.374 PPB

response 166250034

(10) Alachlor #2

8.282min 2.519 PPB

response 521677848

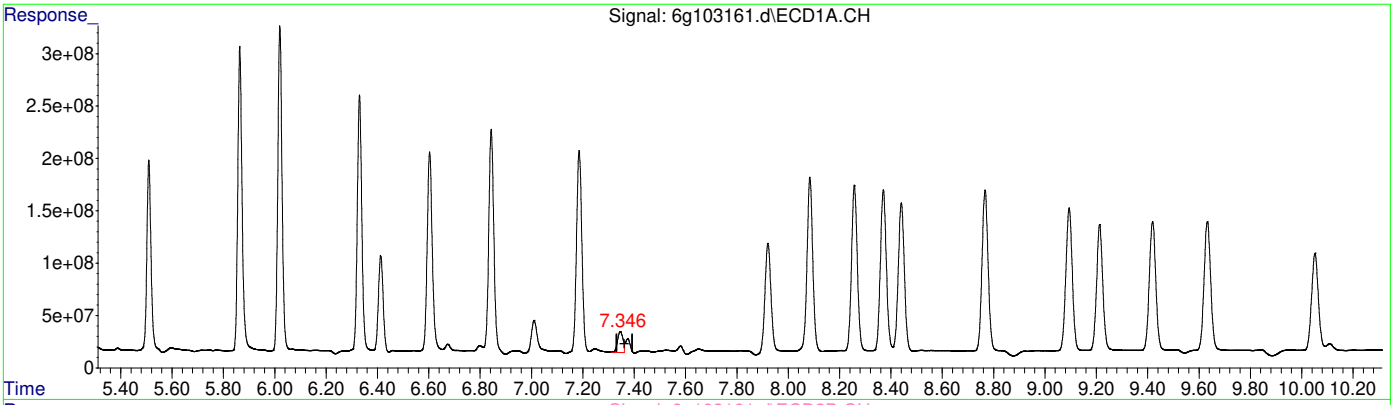
(+) = Expected Retention Time
6PSTLVI3879a.M Sun Dec 08 21:38:54 2024

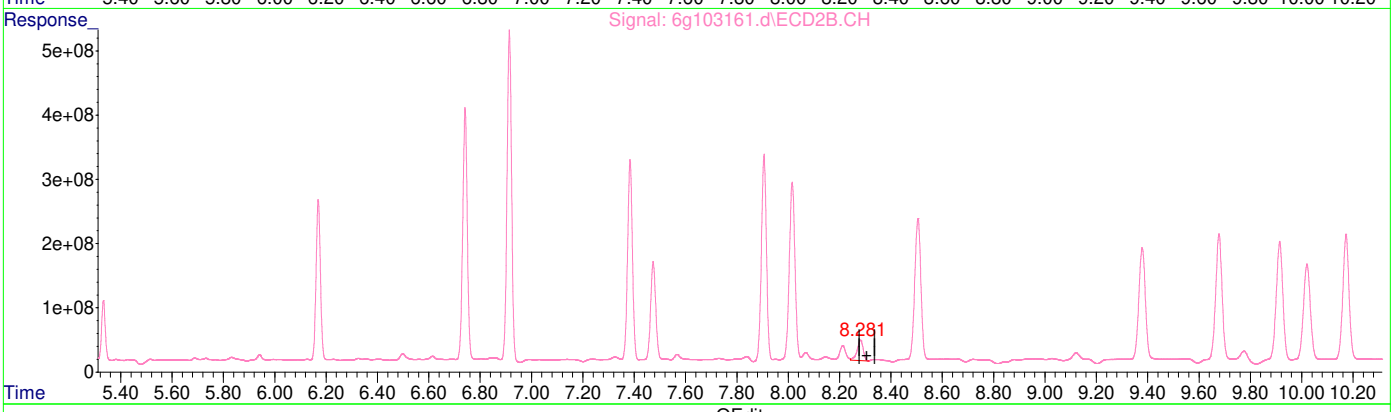
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103161.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Dec 2024 6:39 am
Operator : rebeccak
Sample : icv3879-2.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 10 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 08 21:38:29 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Sun Dec 08 21:32:19 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(10) Alachlor

7.346min 2.481 PPB m

response 300249282

(10) Alachlor #2

8.282min 2.519 PPB

response 521677848

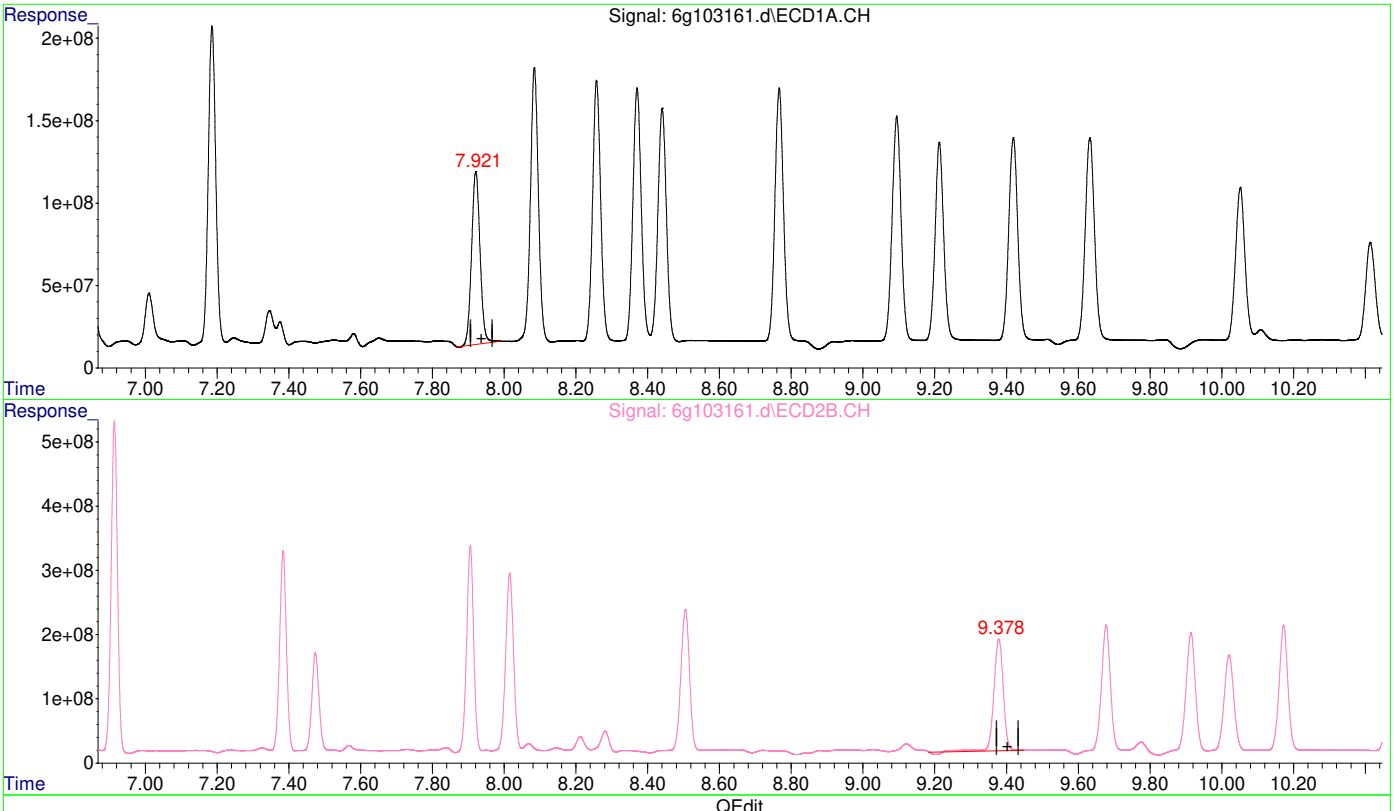
(+) = Expected Retention Time
6PSTLVI3879a.M Sun Dec 08 21:39:03 2024

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103161.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Dec 2024 6:39 am
Operator : rebeccak
Sample : icv3879-2.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 10 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 08 21:38:29 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Sun Dec 08 21:32:19 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



(11) Heptachlor Epoxide (B)

7.921min 2.129 PPB

response 1718721670

(11) Heptachlor Epoxide #2 (B)

9.379min 2.429 PPB

response 3189824292

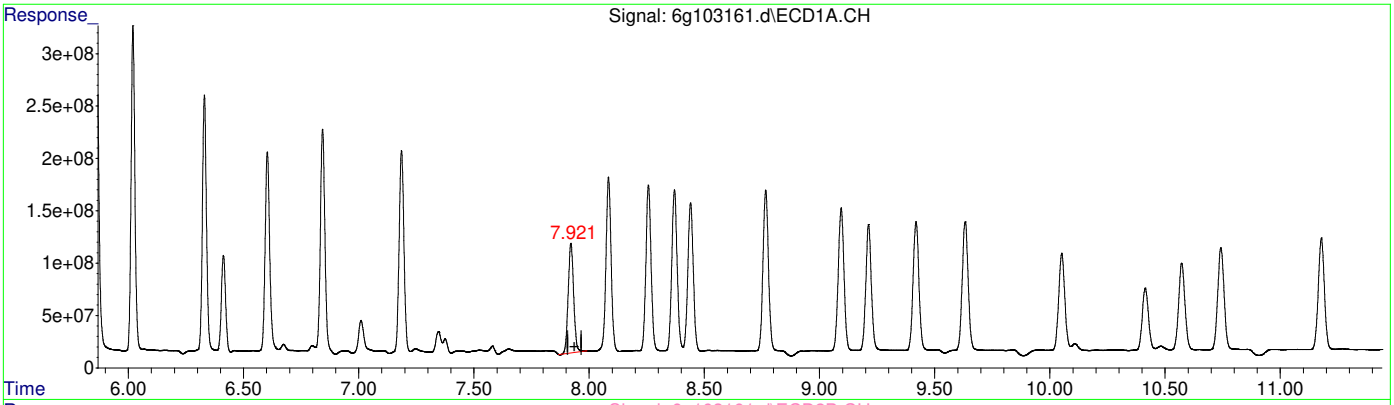
(+) = Expected Retention Time
6PSTLVI3879a.M Sun Dec 08 21:39:07 2024

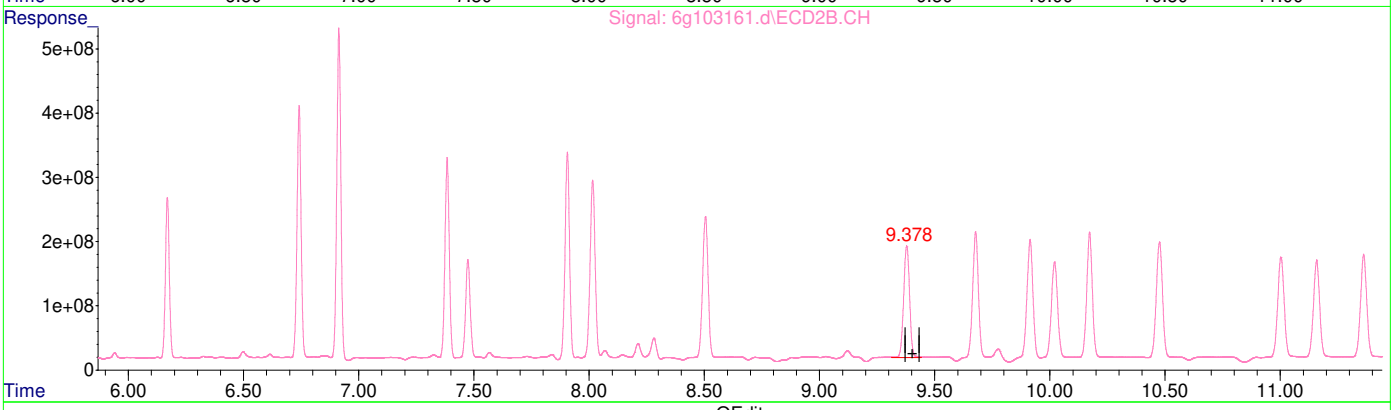
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103161.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Dec 2024 6:39 am
Operator : rebeccak
Sample : icv3879-2.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 10 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 08 21:38:29 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Sun Dec 08 21:32:19 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(11) Heptachlor Epoxide (B)

7.921min 2.129 PPB

response 1718721670

(11) Heptachlor Epoxide #2 (B)

9.378min 2.360 PPB m

response 3105007223

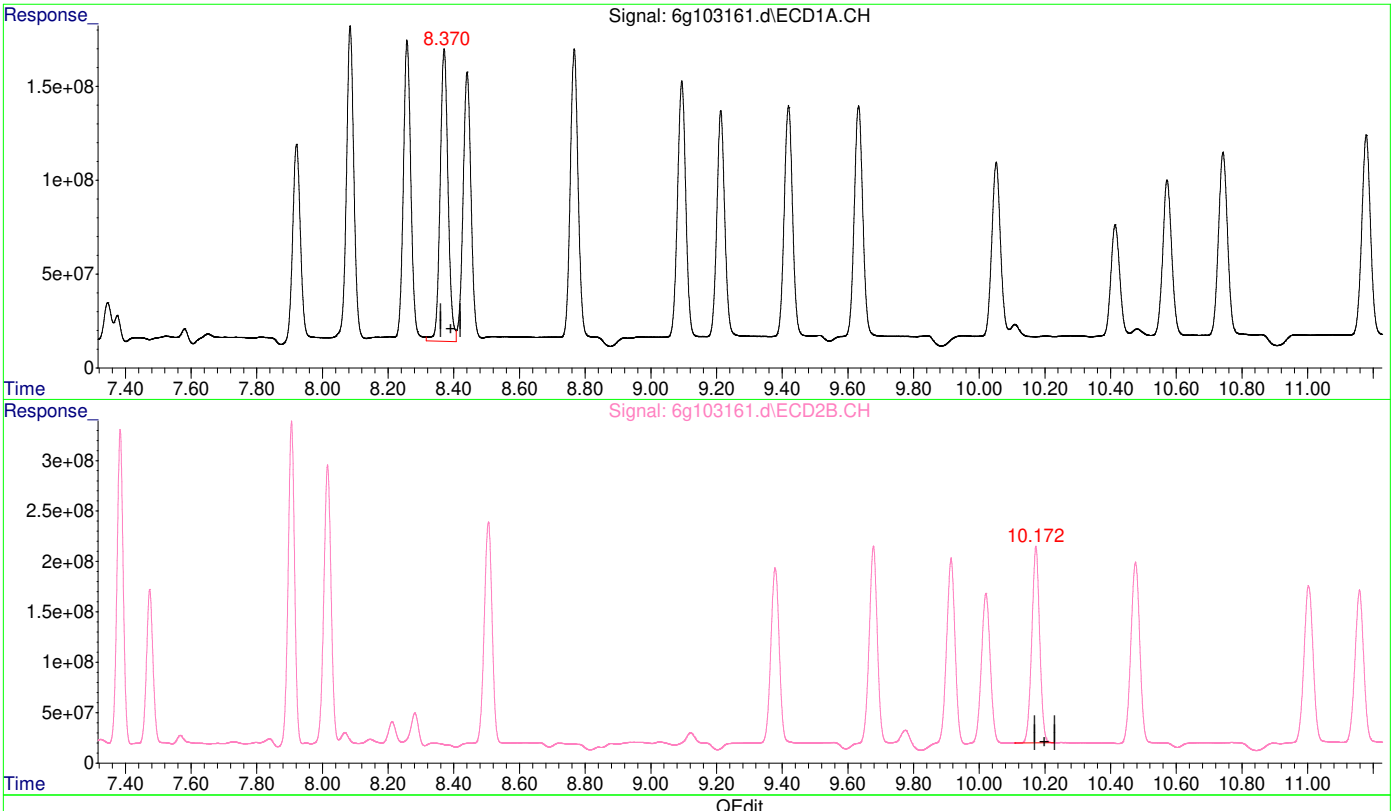
(+) = Expected Retention Time
6PSTLVI3879a.M Sun Dec 08 21:39:14 2024

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103161.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Dec 2024 6:39 am
Operator : rebeccak
Sample : icv3879-2.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 10 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 08 21:38:29 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Sun Dec 08 21:32:19 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



(15) 4,4'-DDE (B)

8.371min 2.704 PPB

response 2607939022

(15) 4,4'-DDE #2 (B)

10.173min 2.281 PPB

response 3254861814

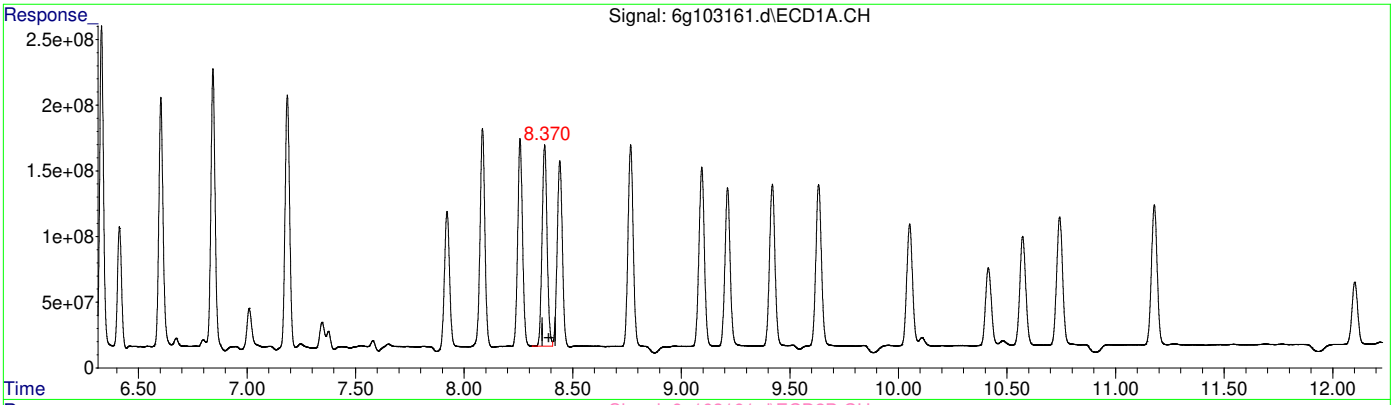
(+) = Expected Retention Time

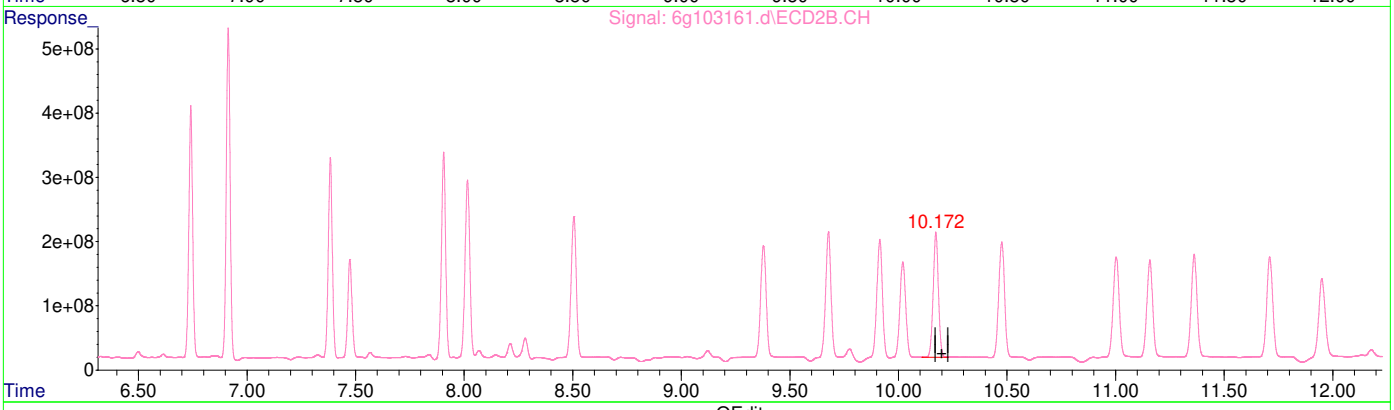
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103161.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Dec 2024 6:39 am
Operator : rebeccak
Sample : icv3879-2.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 10 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 08 21:38:29 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Sun Dec 08 21:32:19 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(15) 4,4'-DDE (B)

8.370min 2.572 PPB m

response 2480769955

(15) 4,4'-DDE #2 (B)

10.173min 2.281 PPB

response 3254861814

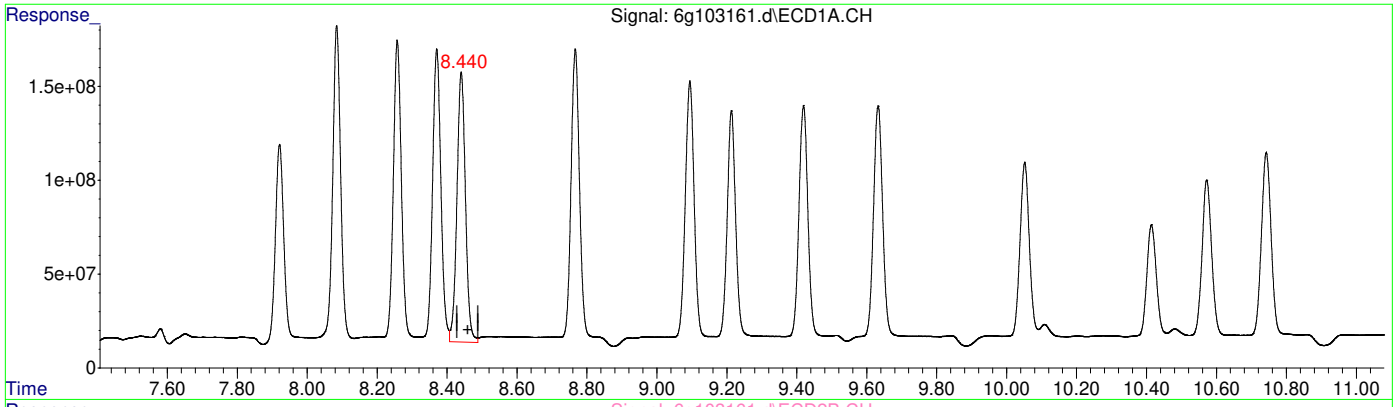
(+) = Expected Retention Time
6PSTLVI3879a.M Sun Dec 08 21:39:32 2024

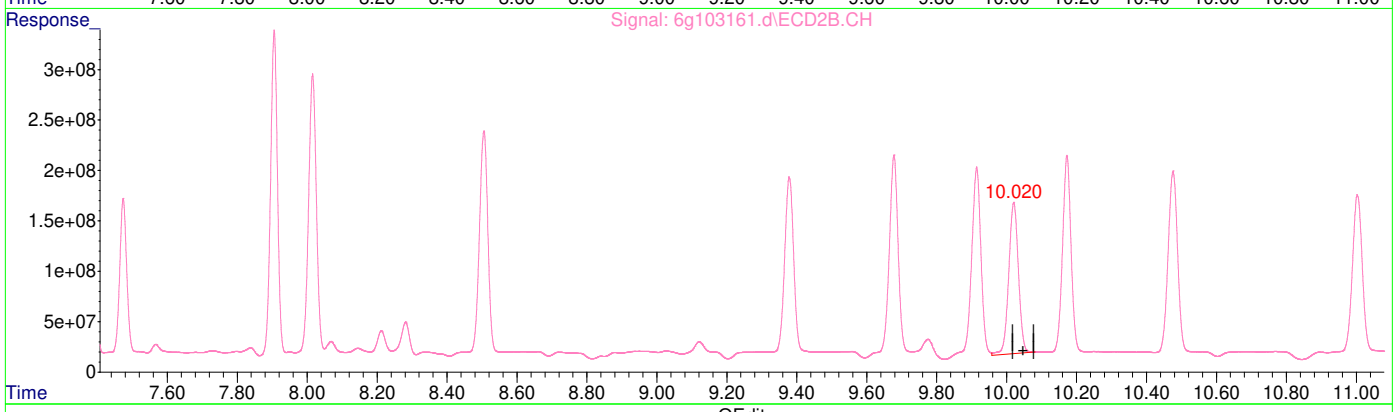
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103161.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Dec 2024 6:39 am
Operator : rebeccak
Sample : icv3879-2.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 10 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 08 21:38:29 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Sun Dec 08 21:32:19 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(14) Endosulfan I (A)

8.441min 2.537 PPB

response 2447736743

(14) Endosulfan I #2 (A)

10.021min 2.440 PPB

response 2889096464

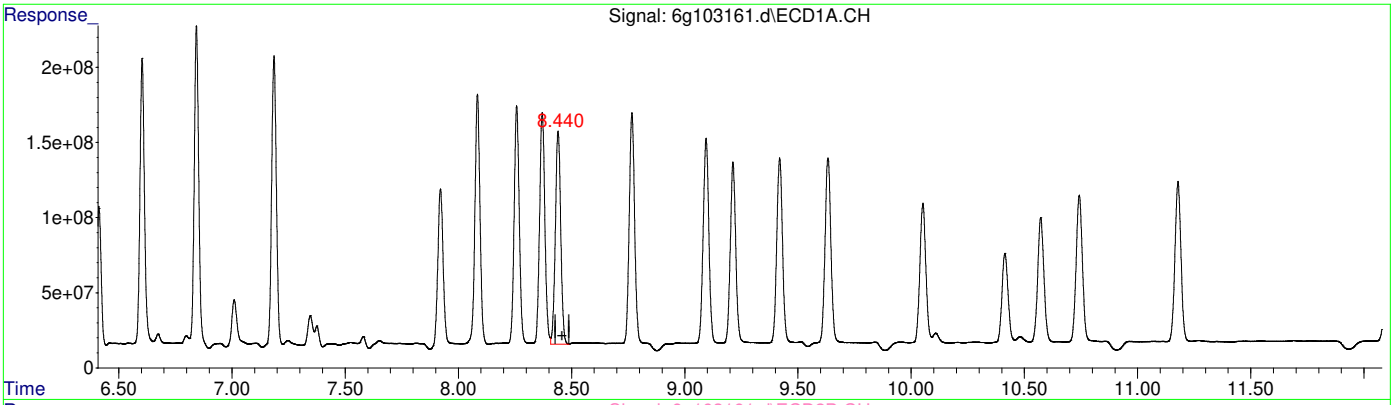
(+) = Expected Retention Time
6PSTLVI3879a.M Sun Dec 08 21:39:40 2024

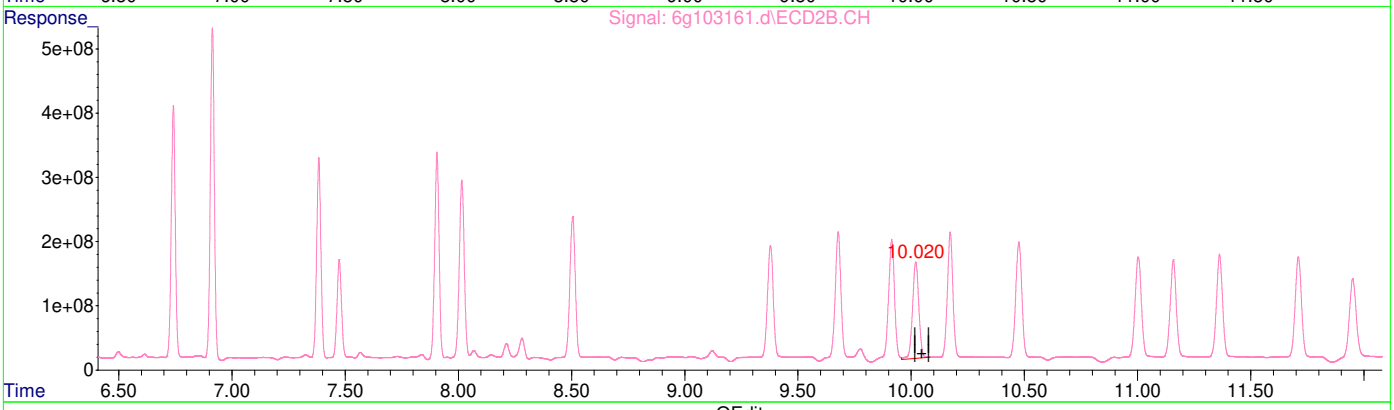
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103161.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Dec 2024 6:39 am
Operator : rebeccak
Sample : icv3879-2.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 10 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 08 21:38:29 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Sun Dec 08 21:32:19 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(14) Endosulfan I (A)

8.440min 2.432 PPB m

response 2346999864

(14) Endosulfan I #2 (A)

10.021min 2.440 PPB

response 2889096464

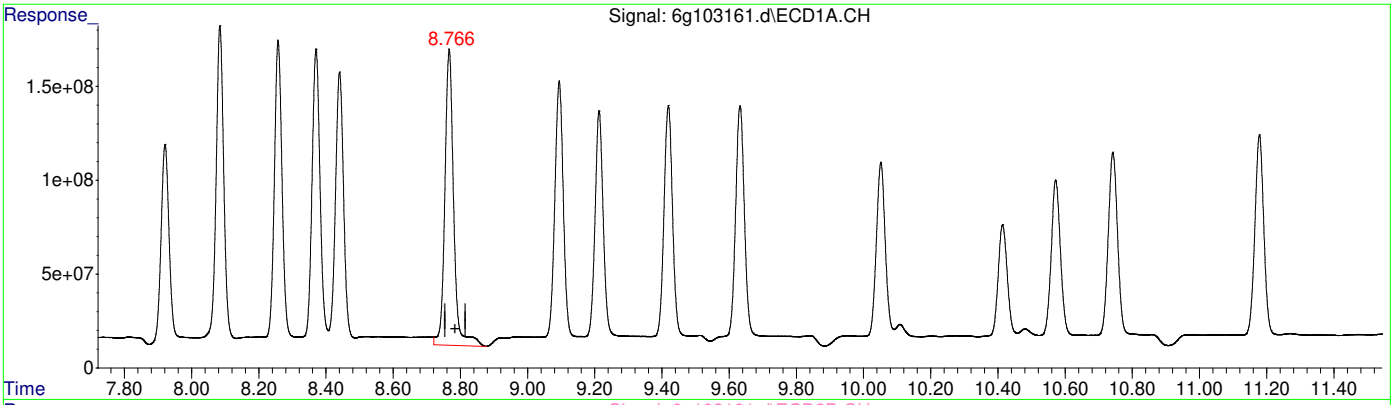
(+) = Expected Retention Time
6PSTLVI3879a.M Sun Dec 08 21:39:50 2024

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103161.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Dec 2024 6:39 am
Operator : rebeccak
Sample : icv3879-2.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 10 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 08 21:38:29 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Sun Dec 08 21:32:19 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



QEdit

(16) Dieldrin (MA)

8.767min 2.742 PPB

response 2885232654

(16) Dieldrin #2 (MA)

10.476min 2.550 PPB

response 3380610189

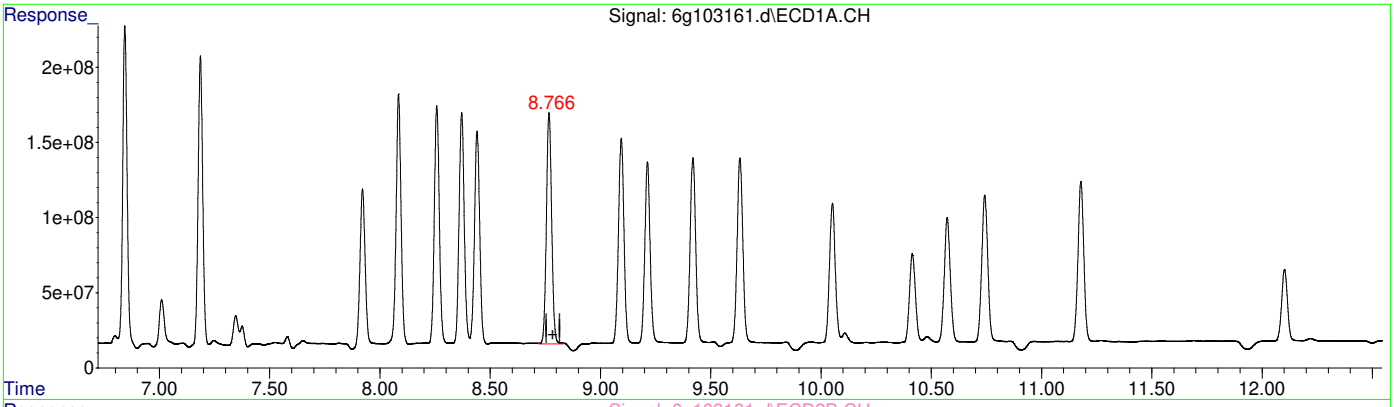
(+) = Expected Retention Time
6PSTLVI3879a.M Sun Dec 08 21:39:55 2024

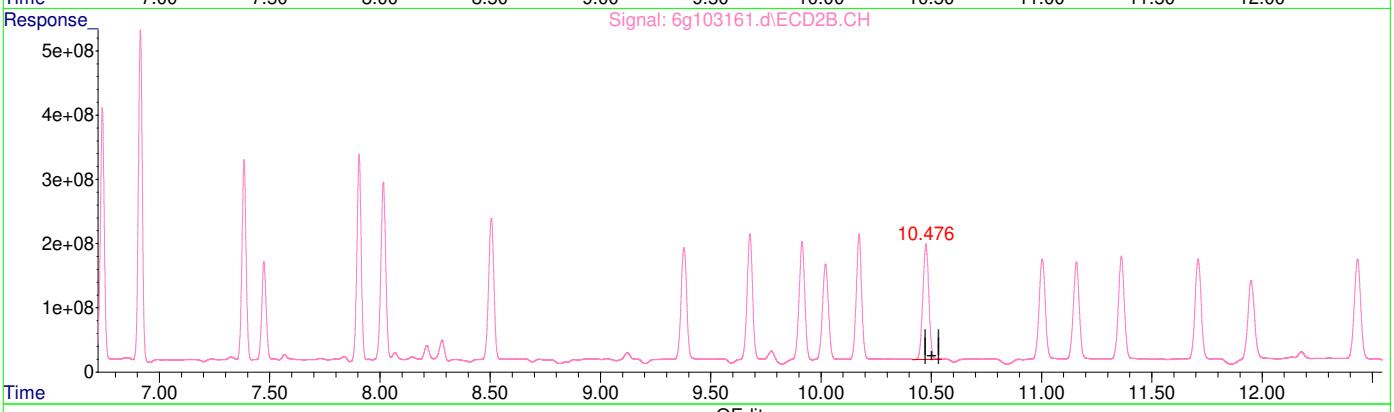
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103161.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Dec 2024 6:39 am
Operator : rebeccak
Sample : icv3879-2.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 10 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 08 21:38:29 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Sun Dec 08 21:32:19 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(16) Dieldrin (MA)

8.766min 2.429 PPB m

response 2555174919

(16) Dieldrin #2 (MA)

10.476min 2.550 PPB

response 3380610189

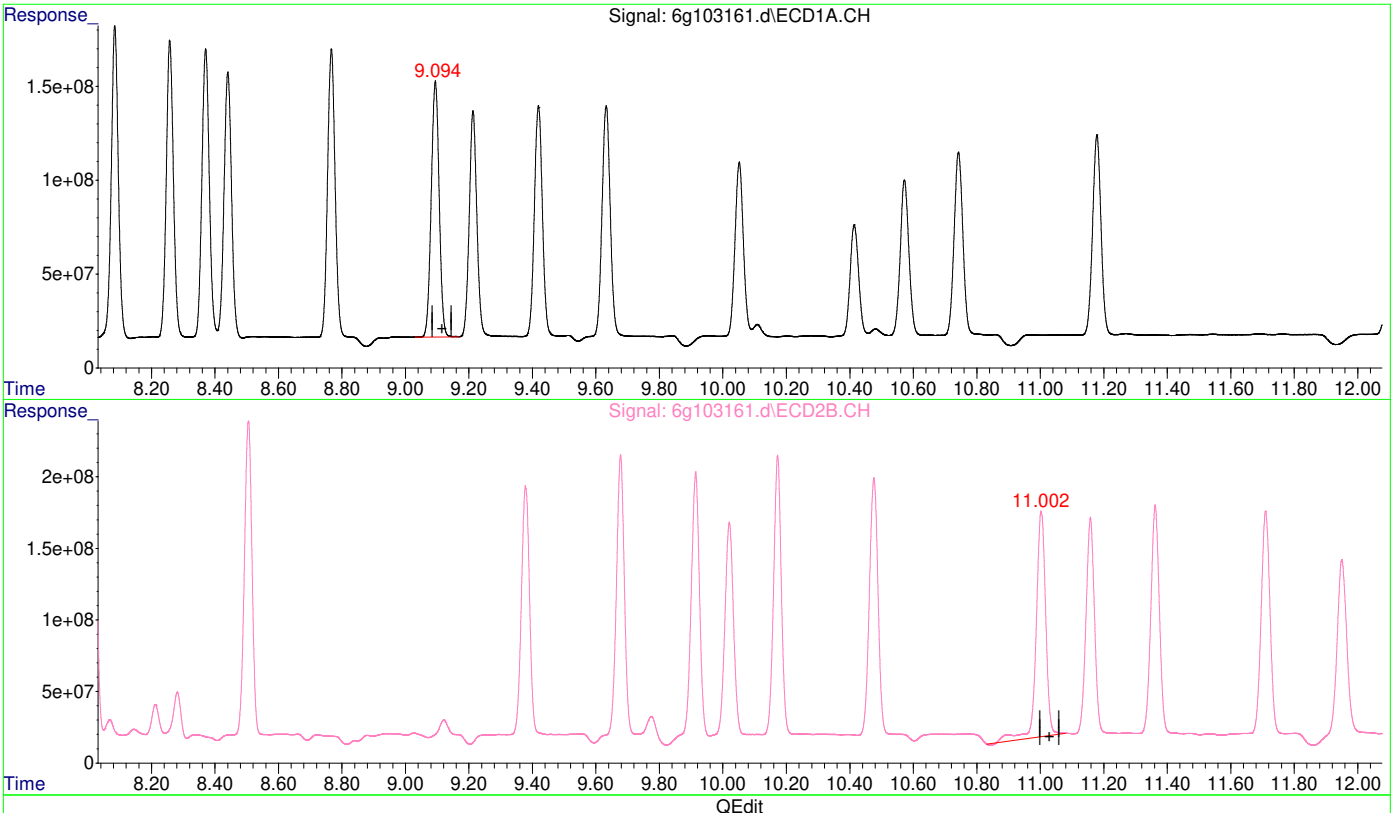
(+) = Expected Retention Time
6PSTLVI3879a.M Sun Dec 08 21:40:01 2024

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103161.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Dec 2024 6:39 am
Operator : rebeccak
Sample : icv3879-2.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 10 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 08 21:38:29 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Sun Dec 08 21:32:19 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



(17) Endrin (MA)

9.095min 2.507 PPB

response 2367657726

(17) Endrin #2 (MA)

11.003min 2.855 PPB

response 3319493686

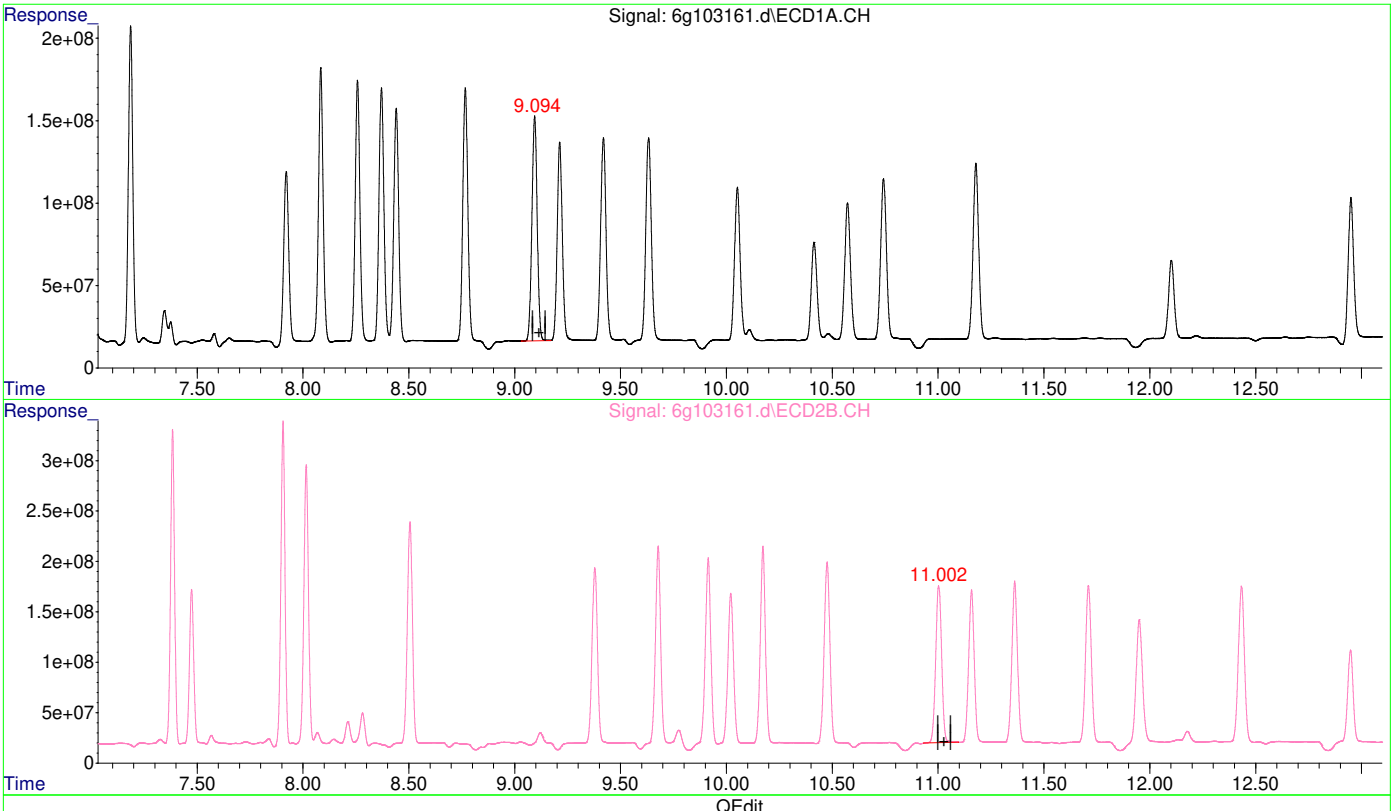
(+) = Expected Retention Time
6PSTLVI3879a.M Sun Dec 08 21:40:05 2024

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103161.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Dec 2024 6:39 am
Operator : rebeccak
Sample : icv3879-2.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 10 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 08 21:38:29 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Sun Dec 08 21:32:19 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



(17) Endrin (MA)

9.095min 2.507 PPB

response 2367657726

(17) Endrin #2 (MA)

11.002min 2.597 PPB m

response 3038469411

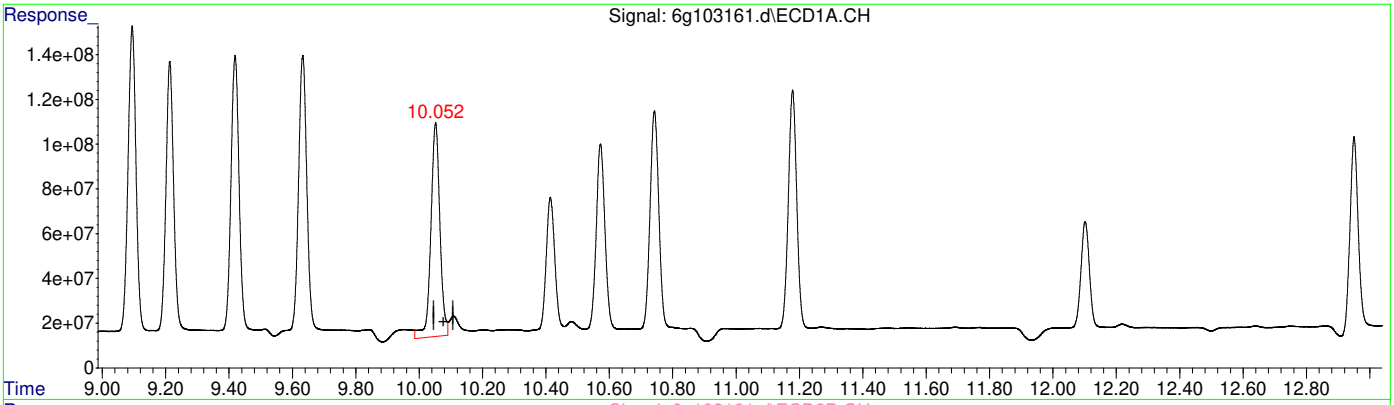
(+) = Expected Retention Time
6PSTLVI3879a.M Sun Dec 08 21:40:11 2024

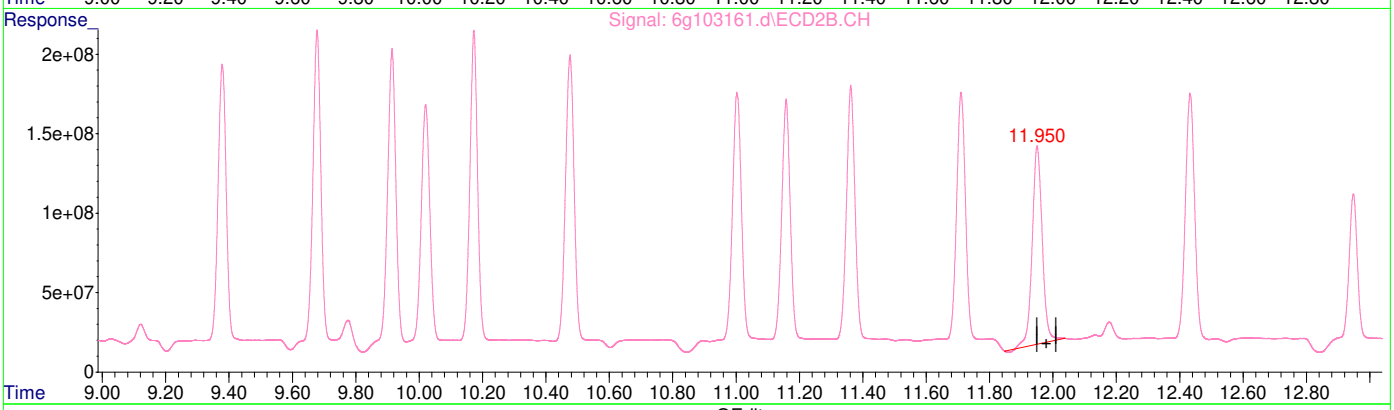
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103161.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Dec 2024 6:39 am
Operator : rebeccak
Sample : icv3879-2.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 10 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 08 21:38:29 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Sun Dec 08 21:32:19 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(21) Endrin Aldehyde (B)

10.052min 2.693 PPB

response 1894033384

(21) Endrin Aldehyde #2 (B)

11.950min 2.985 PPB

response 2739064731

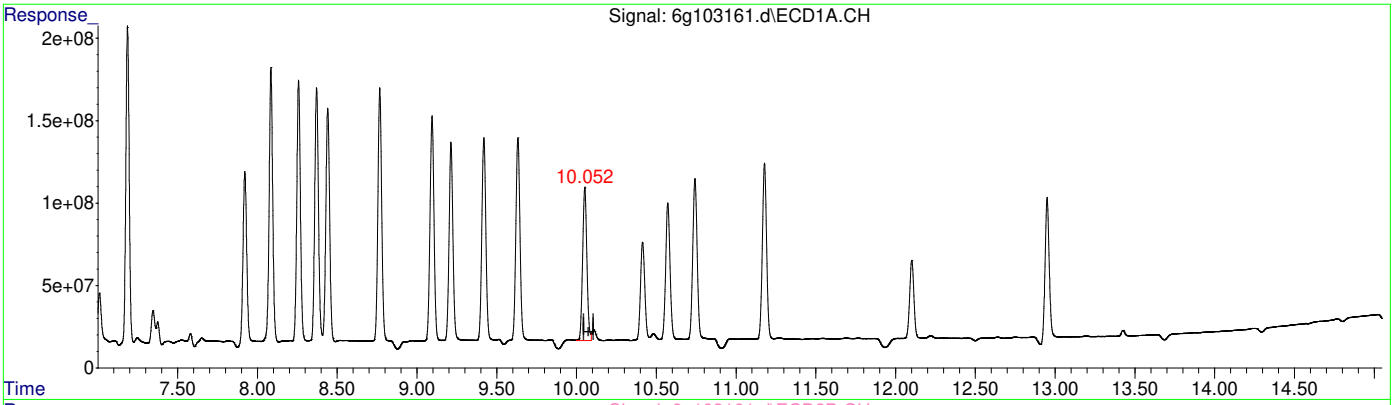
(+) = Expected Retention Time
6PSTLVI3879a.M Sun Dec 08 21:40:18 2024

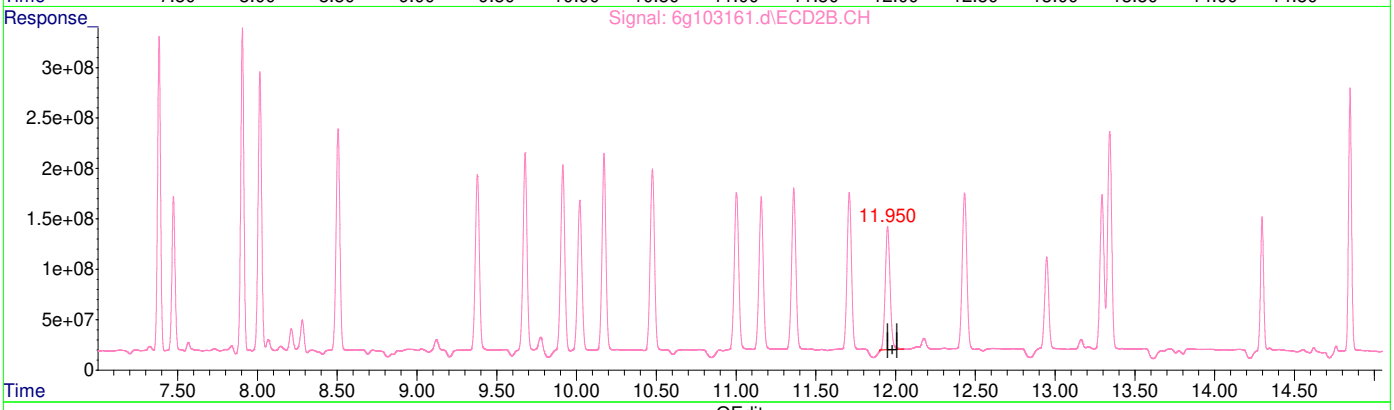
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103161.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Dec 2024 6:39 am
Operator : rebeccak
Sample : icv3879-2.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 10 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 08 21:38:29 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Sun Dec 08 21:32:19 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(21) Endrin Aldehyde (B)

10.052min 2.452 PPB m

response 1724974831

(21) Endrin Aldehyde #2 (B)

11.950min 2.790 PPB m

response 2577198043

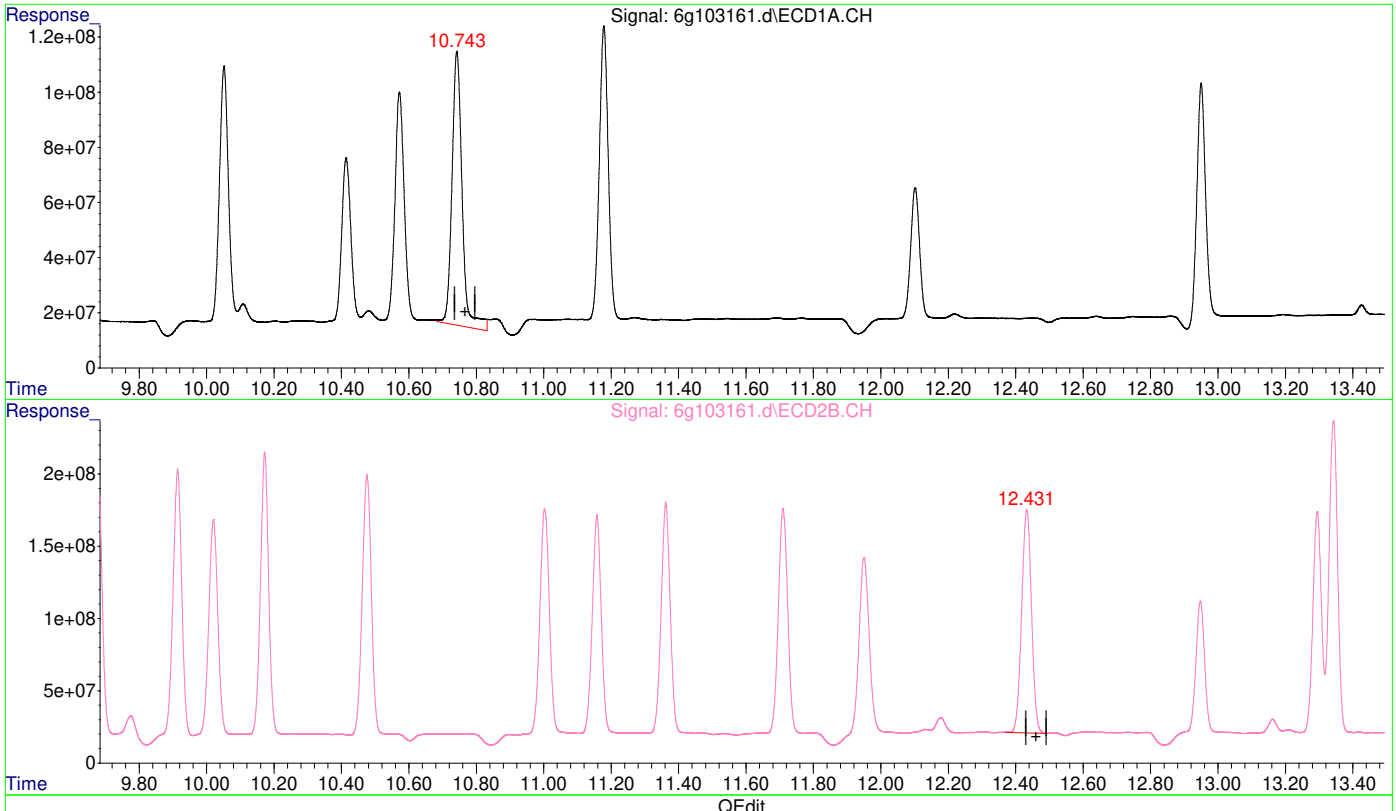
(+) = Expected Retention Time
6PSTLVI3879a.M Sun Dec 08 21:40:30 2024

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103161.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Dec 2024 6:39 am
Operator : rebeccak
Sample : icv3879-2.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 10 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 08 21:38:29 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Sun Dec 08 21:32:19 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



(22) Endosulfan Sulfate (B)

10.743min 2.780 PPB

response 2076980166

(22) Endosulfan Sulfate #2 (B)

12.433min 2.677 PPB

response 3125400953

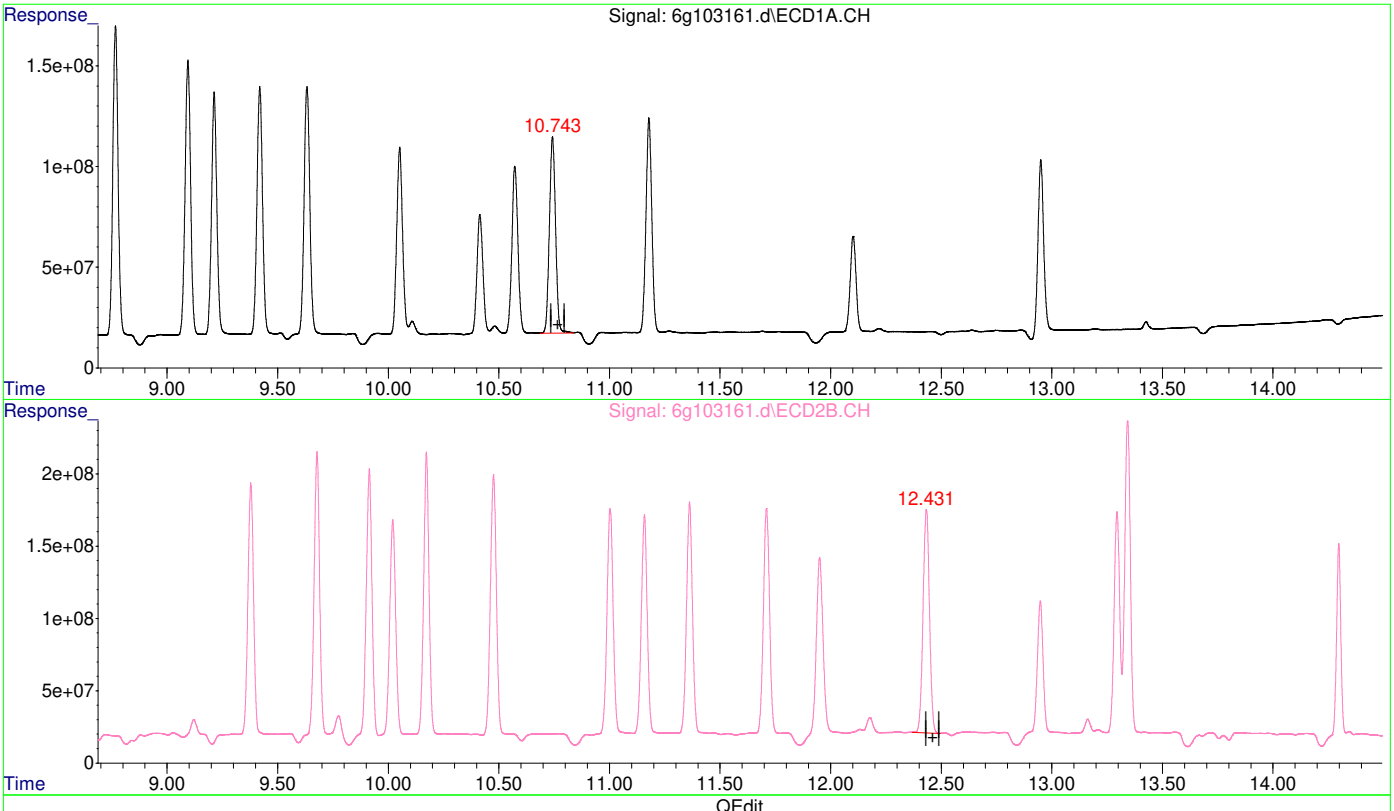
(+) = Expected Retention Time
6PSTLVI3879a.M Sun Dec 08 21:40:33 2024

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103161.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Dec 2024 6:39 am
Operator : rebeccak
Sample : icv3879-2.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 10 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 08 21:38:29 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Sun Dec 08 21:32:19 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



QEdit

(22) Endosulfan Sulfate (B)

10.743min 2.528 PPB m

response 1889066402

(22) Endosulfan Sulfate #2 (B)

12.433min 2.677 PPB

response 3125400953

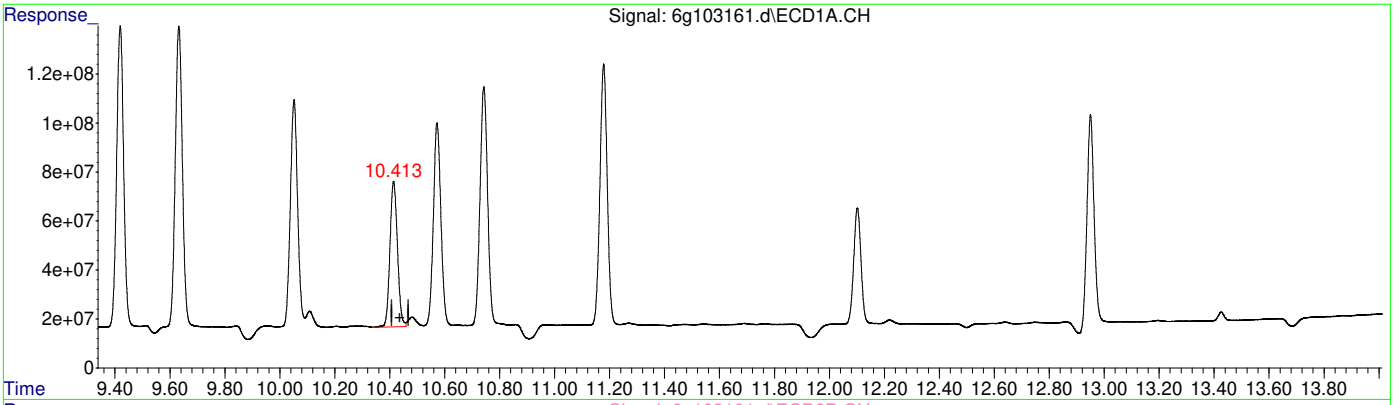
(+) = Expected Retention Time
6PSTLVI3879a.M Sun Dec 08 21:40:40 2024

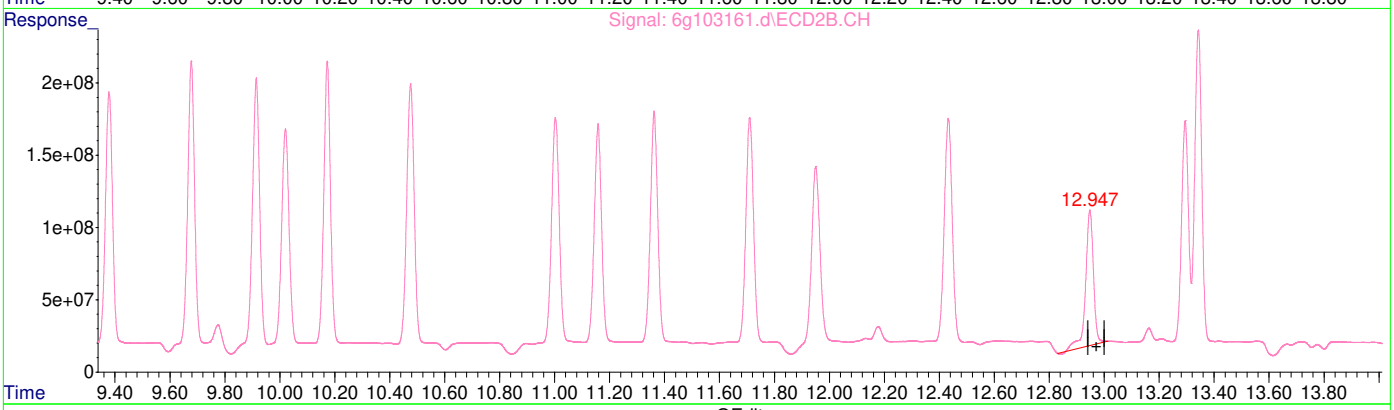
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103161.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Dec 2024 6:39 am
Operator : rebeccak
Sample : icv3879-2.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 10 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 08 21:38:29 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Sun Dec 08 21:32:19 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(23) Methoxychlor (A)

10.414min 2.630 PPB

response 1126445260

(23) Methoxychlor #2 (A)

12.948min 3.076 PPB

response 1872407562

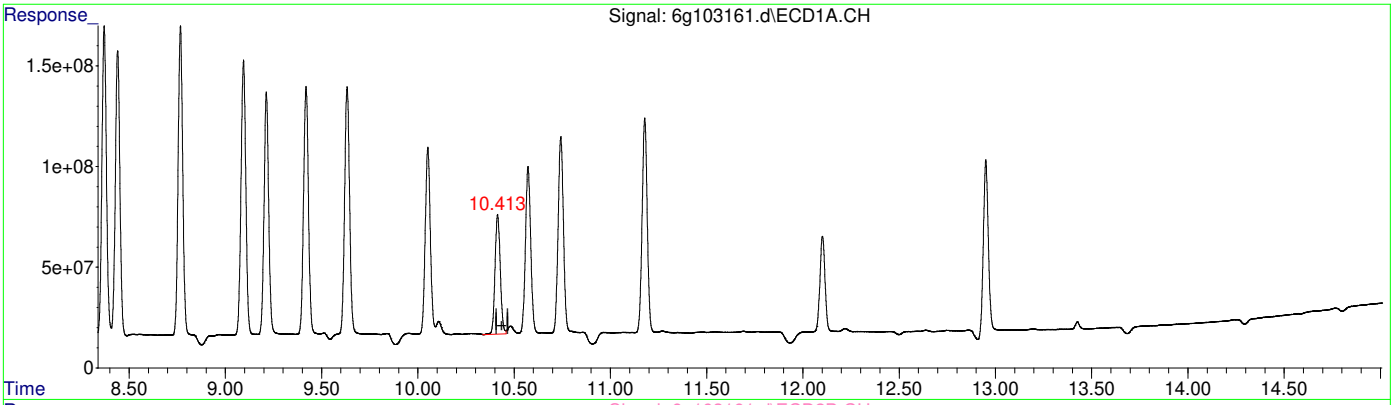
(+) = Expected Retention Time
6PSTLVI3879a.M Sun Dec 08 21:40:44 2024

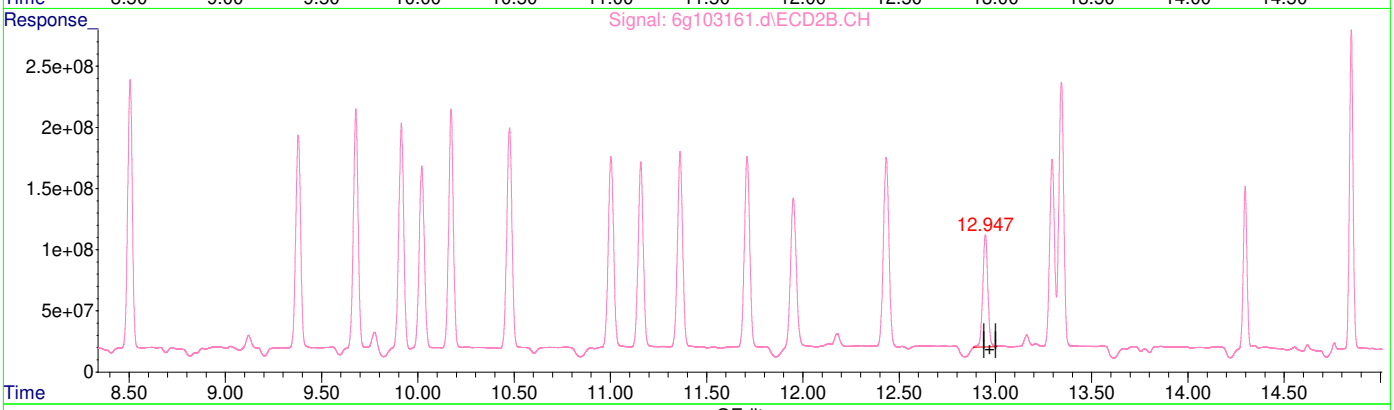
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103161.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Dec 2024 6:39 am
Operator : rebeccak
Sample : icv3879-2.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 10 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 08 21:38:29 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Sun Dec 08 21:32:19 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(23) Methoxychlor (A)

10.414min 2.630 PPB

response 1126445260

(23) Methoxychlor #2 (A)

12.947min 2.720 PPB m

response 1670727592

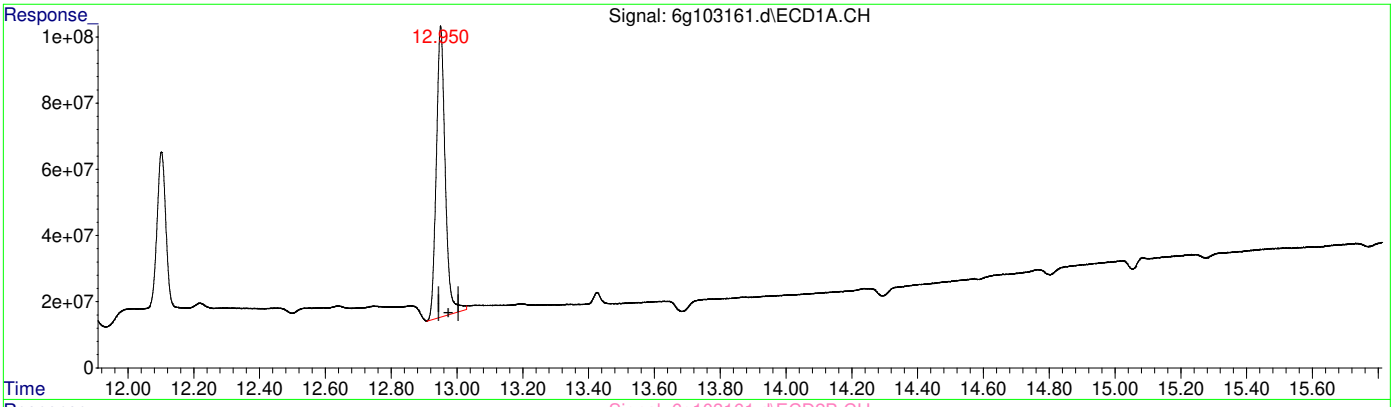
(+) = Expected Retention Time
6PSTLVI3879a.M Sun Dec 08 21:40:51 2024

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103161.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Dec 2024 6:39 am
Operator : rebeccak
Sample : icv3879-2.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 10 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 08 21:38:29 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Sun Dec 08 21:32:19 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



QEdit

(26) Decachlorobiphenyl (SA)

12.950min 2.539 PPB

response 1650346229

(26) Decachlorobiphenyl #2 (SA)

14.849min 2.601 PPB

response 3359889542

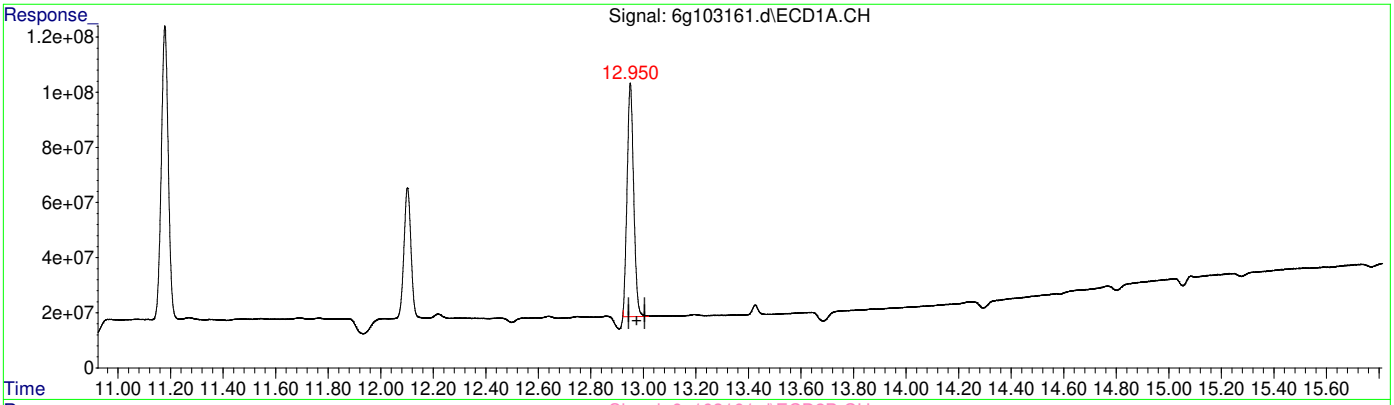
(+) = Expected Retention Time
6PSTLVI3879a.M Sun Dec 08 21:40:57 2024

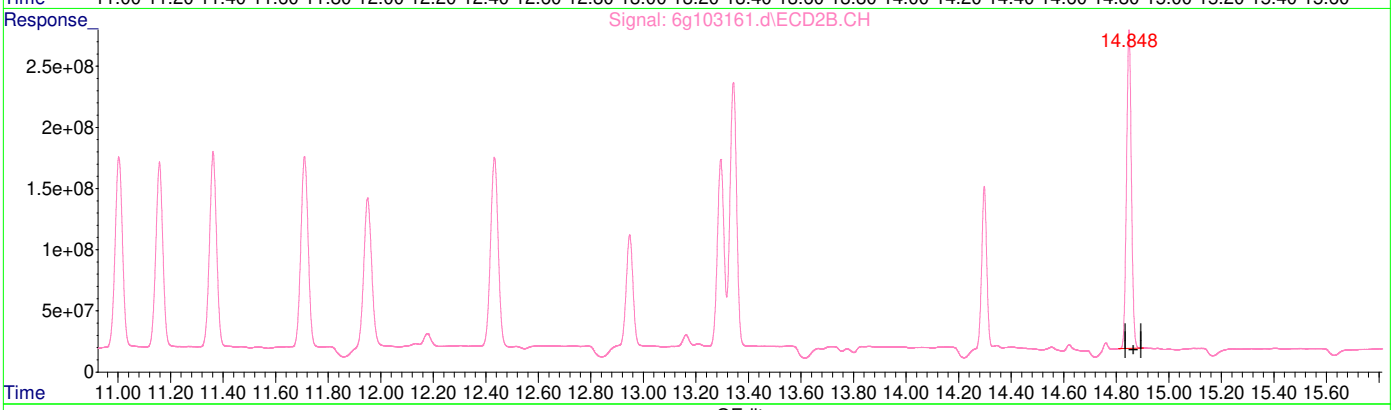
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103161.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Dec 2024 6:39 am
Operator : rebeccak
Sample : icv3879-2.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 10 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 08 21:38:29 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Sun Dec 08 21:32:19 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(26) Decachlorobiphenyl (SA)

12.950min 2.270 PPB m

response 1475750627

(26) Decachlorobiphenyl #2 (SA)

14.849min 2.601 PPB

response 3359889542

(+) = Expected Retention Time
6PSTLVI3879a.M Sun Dec 08 21:41:03 2024

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\G6G3881\
Data File : 6g103196.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09-Dec-24, 18:23:34
Operator : mahalial
Sample : cc3879-5
Misc : op59754,g6g3881,5.0,,,10,1
ALS Vial : 0 (Sig #1); 4 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 13:29:35 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\G6G3881\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Tue Dec 10 13:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1)	I 1-bromo-2...	4.839	5.241	2949.0E6	5132.2E6	5.000	5.000
27)	I 1-bromo-2...	4.839	5.241	2949.0E6	5132.2E6	5.000	5.000
33)	I 1-bromo-2...	4.839	5.241	2949.0E6	5132.2E6	5.000	5.000
	System Monitoring Compounds						
2)	SAB Tetrachlo...	5.512	6.181	3240.3E6	5614.8E6	5.165	5.939
	Spiked Amount 40.000	Range 30 - 150		Recovery =		12.91%#	14.85%#
26)	SA Decachlor...	12.953	14.863	2318.3E6	2667.8E6	4.620	2.780
	Spiked Amount 40.000			Recovery =		11.55%	6.95%
	Target Compounds						
3)	Hexachlor...	5.866	6.754	5298.7E6	7253.6E6	5.049	4.493
4)	A alpha-BHC	6.022	6.926	5639.7E6	9482.6E6	5.345	4.583
5)	MA gamma-BHC	6.331	7.398	4880.2E6	7475.0E6	5.267	5.223
6)	MA Heptachlor	6.844	8.031	4720.6E6	6193.9E6	5.296	4.962
7)	B beta-BHC	6.415	7.490	2023.3E6	3226.2E6	5.137	4.420
8)	B delta-BHC	6.605	7.923	4927.9E6	7305.1E6	5.480	4.739
9)	MB Aldrin	7.188	8.522	4507.0E6	5602.2E6	5.166	5.128
10)	Alachlor	7.347	8.298	441.2E6	653.9E6	4.722	4.771
11)	B Heptachlo...	7.921	9.397	3678.5E6	4670.0E6	5.902	5.036
12)	B gamma-Chl...	8.086	9.697	3853.7E6	4636.0E6	4.683	4.216
13)	B alpha-Chl...	8.260	9.934	3734.7E6	4556.9E6	4.791	4.089
14)	A Endosulfan I	8.443	10.041	3518.6E6	4148.0E6	4.723	4.970
15)	B 4,4'-DDE	8.373	10.193	3689.4E6	4537.5E6	4.955	4.281
16)	MA Dieldrin	8.769	10.496	3829.4E6	4604.6E6	4.715	4.899
17)	MA Endrin	9.096	11.024	3491.2E6	4035.4E6	4.787	4.848
18)	A 4,4'-DDD	9.216	11.179	3051.2E6	3757.2E6	4.992	4.323
19)	B Endosulfa...	9.422	11.384	3211.6E6	3863.5E6	4.789	4.729
20)	MA 4,4'-DDT	9.637	11.733	3253.5E6	3779.6E6	5.004	4.240
21)	B Endrin Al...	10.054	11.972	2379.7E6	3142.5E6	4.382	4.836
22)	B Endosulfa...	10.745	12.455	2719.3E6	3917.7E6	4.714	4.698
23)	A Methoxychlor	10.419	12.966	1633.7E6	1957.3E6	4.941	4.458
24)	Mirex	10.577	13.314	2265.6E6	3049.2E6	4.602	3.825
25)	B Endrin Ke...	11.182	13.361	3120.2E6	4466.4E6	4.836	4.006
	Sum Toxaphene			0	0	N.D.	N.D.
Average	Toxaphene					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

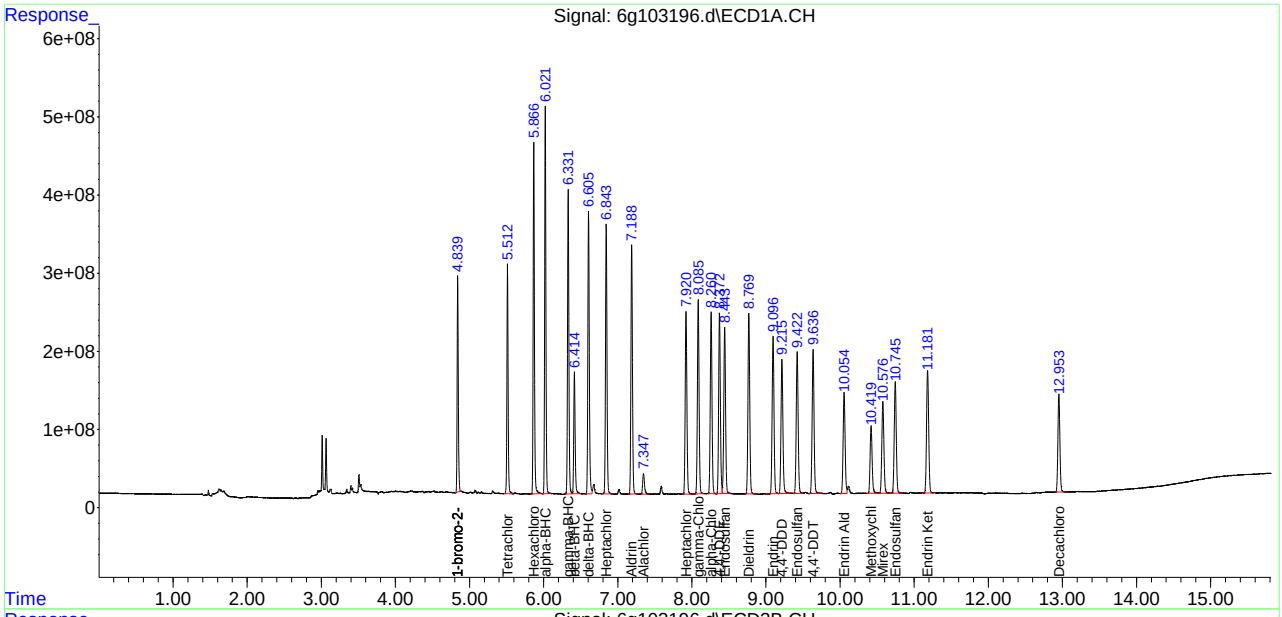
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

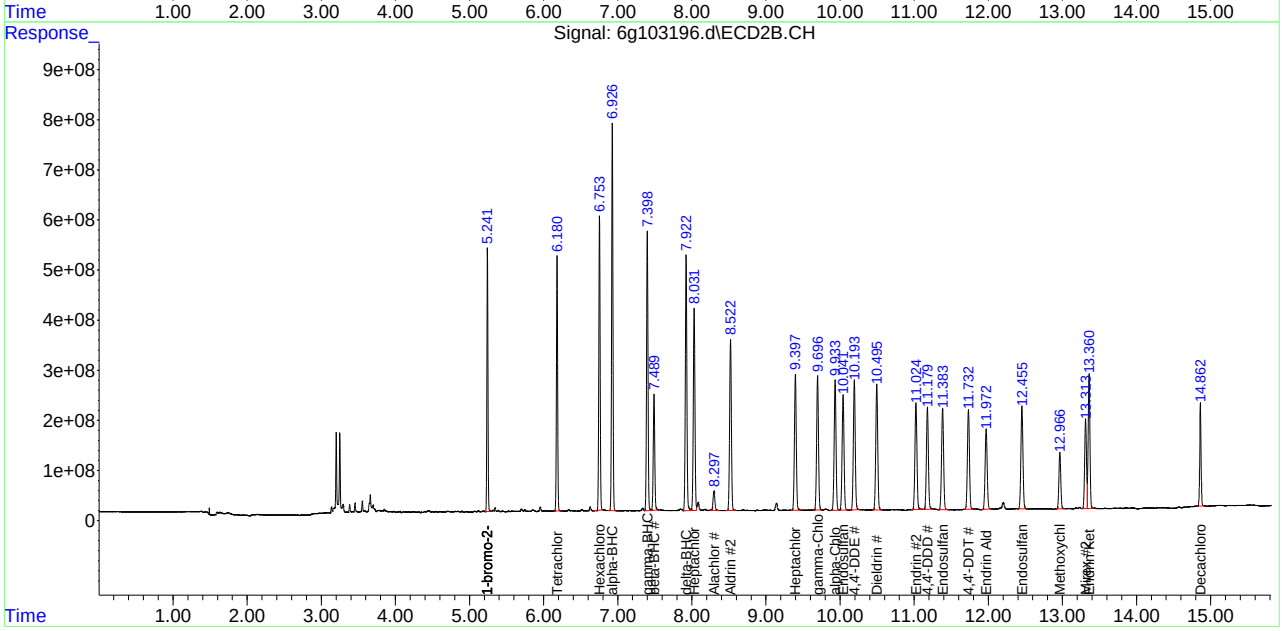
Quantitation Report (QT Reviewed)

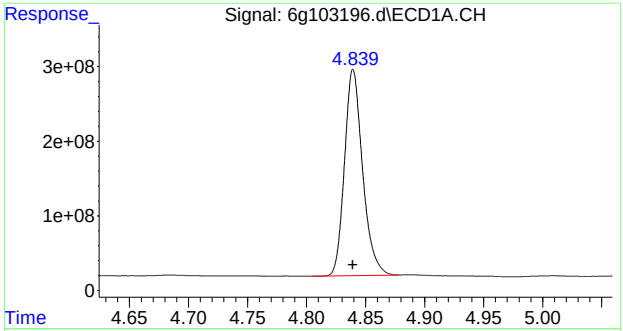
Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\G6G3881\
Data File : 6g103196.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09-Dec-24, 18:23:34
Operator : mahalial
Sample : cc3879-5
Misc : op59754,g6g3881,5.0,,,10,1
ALS Vial : 0 (Sig #1); 4 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 13:29:35 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\G6G3881\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Tue Dec 10 13:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um

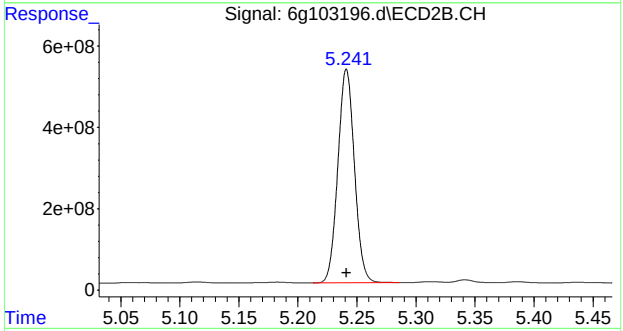






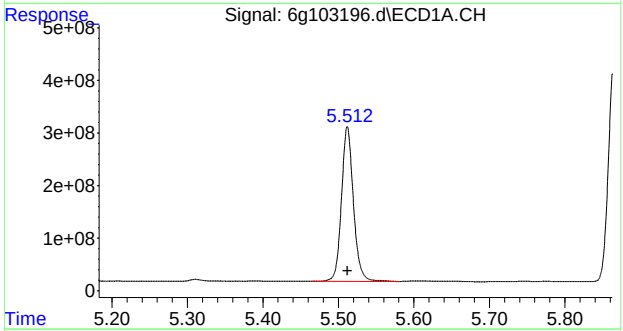
#1 1-bromo-2-nitrobenzene

R.T.: 4.839 min
Delta R.T.: 0.000 min
Response: 2949022508
Conc: 5.00 PPB



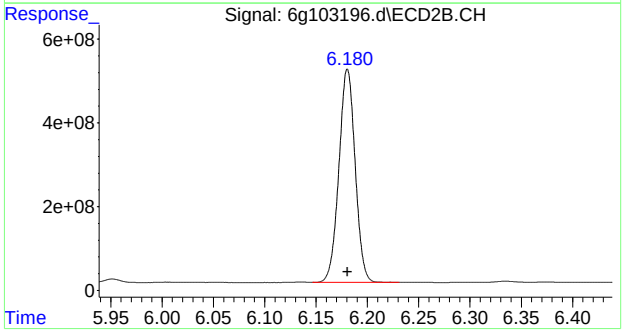
#1 1-bromo-2-nitrobenzene

R.T.: 5.241 min
Delta R.T.: 0.000 min
Response: 5132168852
Conc: 5.00 PPB



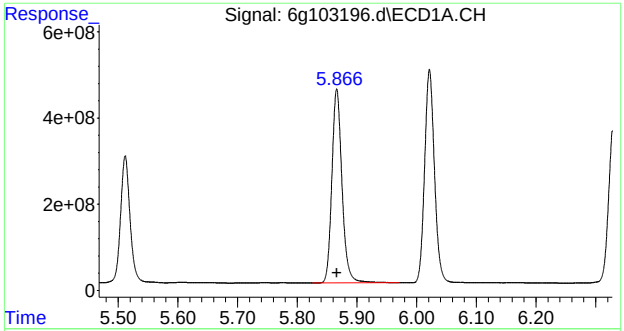
#2 Tetrachloro-m-xylene

R.T.: 5.512 min
Delta R.T.: 0.000 min
Response: 3240250319
Conc: 5.17 PPB



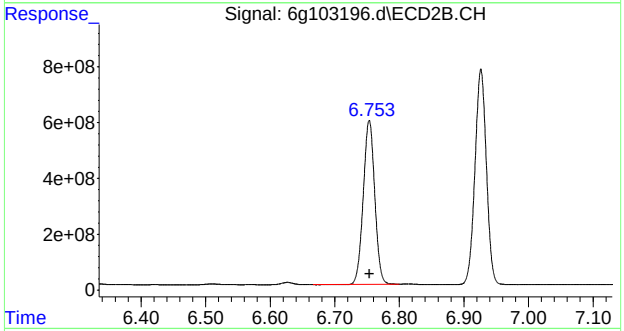
#2 Tetrachloro-m-xylene

R.T.: 6.181 min
Delta R.T.: 0.000 min
Response: 5614750856
Conc: 5.94 PPB



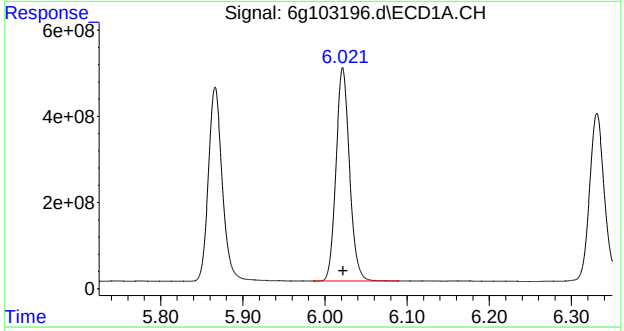
#3 Hexachlorobenzene

R.T.: 5.866 min
Delta R.T.: 0.000 min
Response: 5298674364
Conc: 5.05 PPB



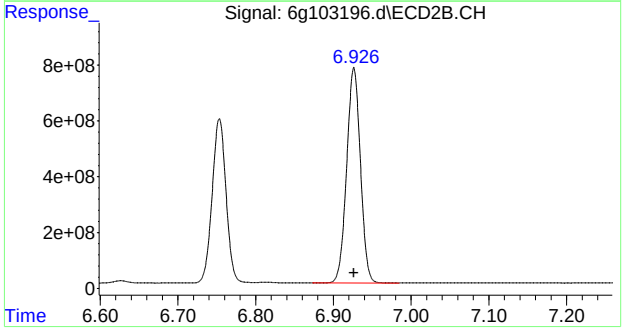
#3 Hexachlorobenzene

R.T.: 6.754 min
Delta R.T.: 0.000 min
Response: 7253631897
Conc: 4.49 PPB



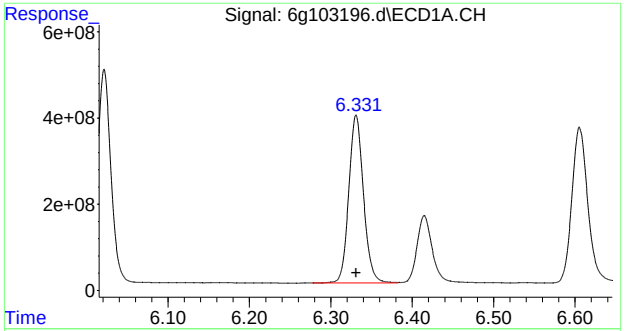
#4 alpha-BHC

R.T.: 6.022 min
Delta R.T.: 0.000 min
Response: 5639731830
Conc: 5.35 PPB



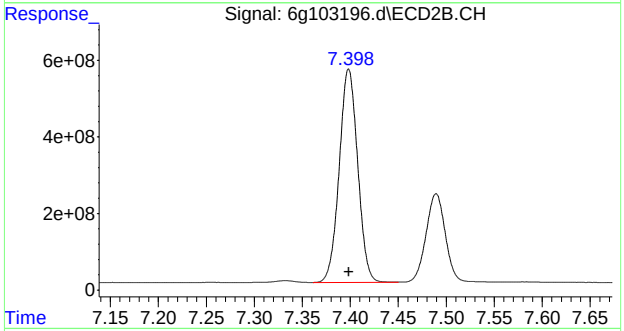
#4 alpha-BHC

R.T.: 6.926 min
Delta R.T.: 0.000 min
Response: 9482603916
Conc: 4.58 PPB



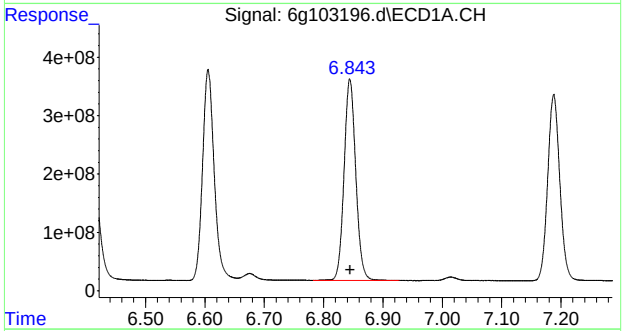
#5 gamma-BHC

R.T.: 6.331 min
Delta R.T.: 0.000 min
Response: 4880245405
Conc: 5.27 PPB



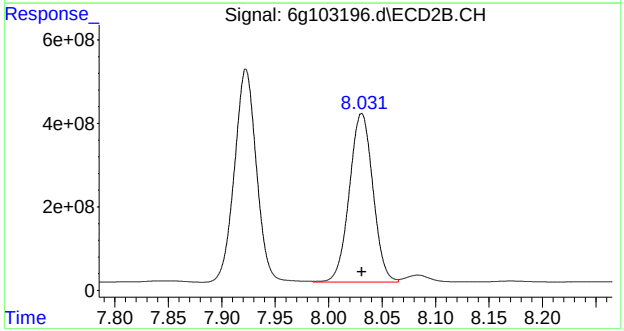
#5 gamma-BHC

R.T.: 7.398 min
Delta R.T.: 0.000 min
Response: 7474960374
Conc: 5.22 PPB



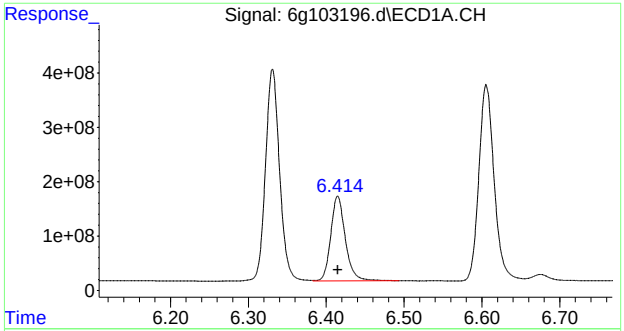
#6 Heptachlor

R.T.: 6.844 min
Delta R.T.: 0.000 min
Response: 4720634924
Conc: 5.30 PPB



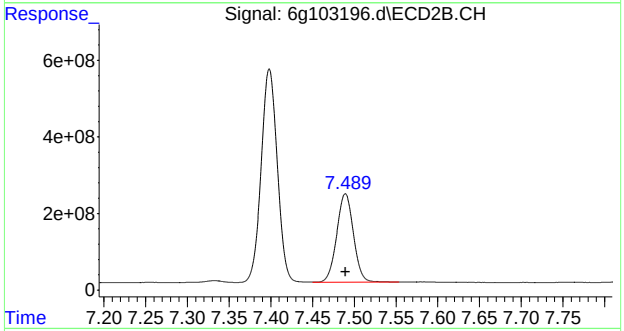
#6 Heptachlor

R.T.: 8.031 min
Delta R.T.: 0.000 min
Response: 6193920609
Conc: 4.96 PPB



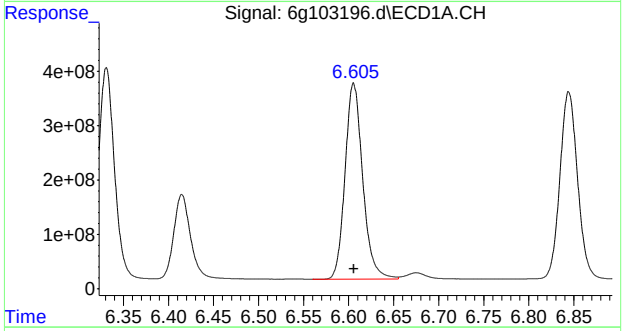
#7 beta-BHC

R.T.: 6.415 min
Delta R.T.: 0.000 min
Response: 2023301977
Conc: 5.14 PPB



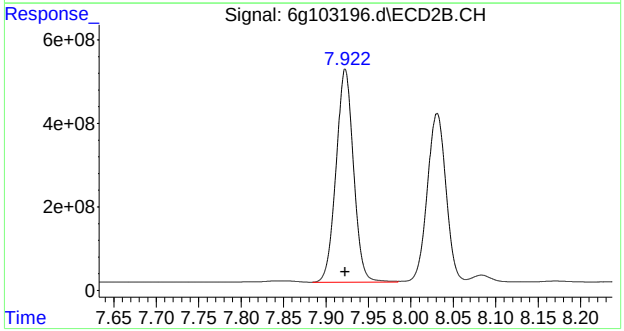
#7 beta-BHC

R.T.: 7.490 min
Delta R.T.: 0.000 min
Response: 3226214796
Conc: 4.42 PPB



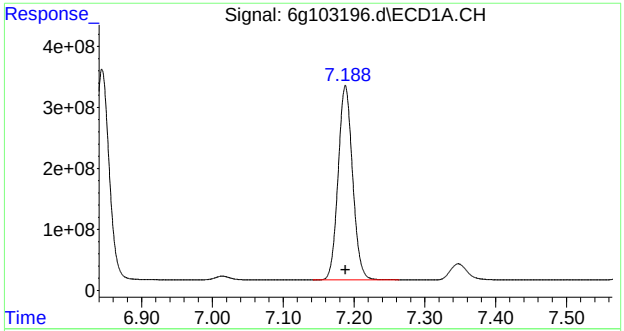
#8 delta-BHC

R.T.: 6.605 min
Delta R.T.: 0.000 min
Response: 4927926499
Conc: 5.48 PPB



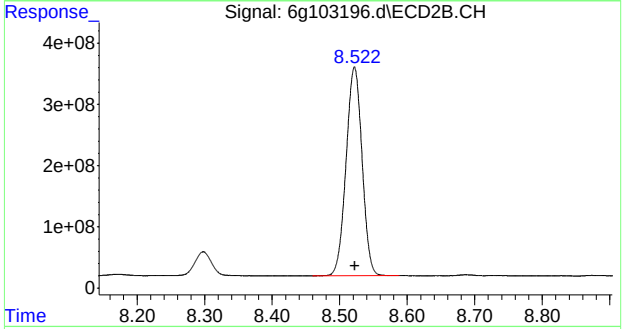
#8 delta-BHC

R.T.: 7.923 min
Delta R.T.: 0.000 min
Response: 7305135290
Conc: 4.74 PPB



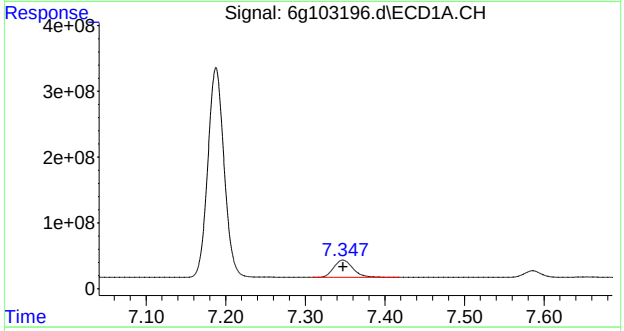
#9 Aldrin

R.T.: 7.188 min
Delta R.T.: 0.000 min
Response: 4507019248
Conc: 5.17 PPB



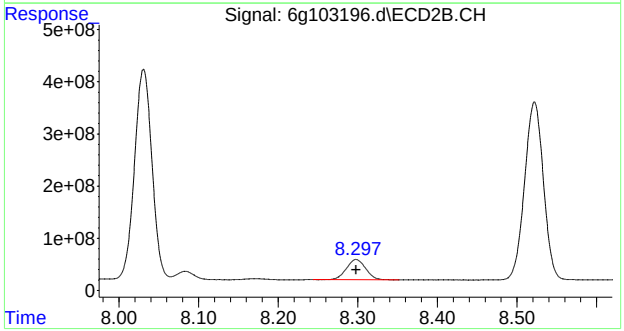
#9 Aldrin

R.T.: 8.522 min
Delta R.T.: 0.000 min
Response: 5602237711
Conc: 5.13 PPB



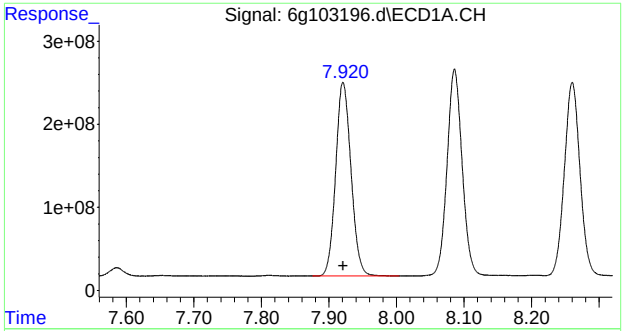
#10 Alachlor

R.T.: 7.347 min
Delta R.T.: 0.000 min
Response: 441160560
Conc: 4.72 PPB



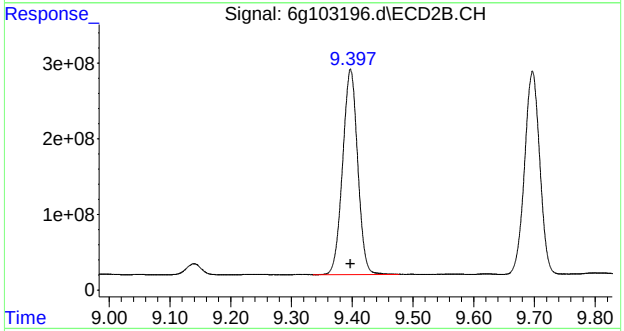
#10 Alachlor

R.T.: 8.298 min
Delta R.T.: 0.000 min
Response: 653852166
Conc: 4.77 PPB



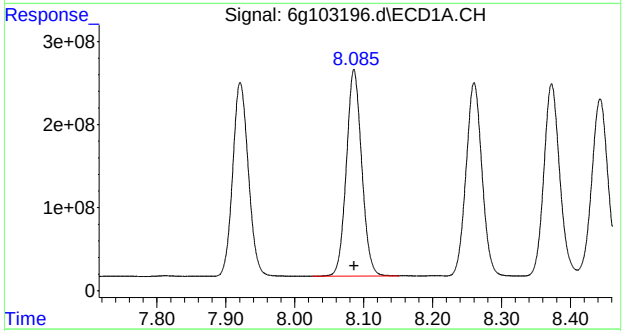
#11 Heptachlor Epoxide

R.T.: 7.921 min
Delta R.T.: 0.000 min
Response: 3678518708
Conc: 5.90 PPB



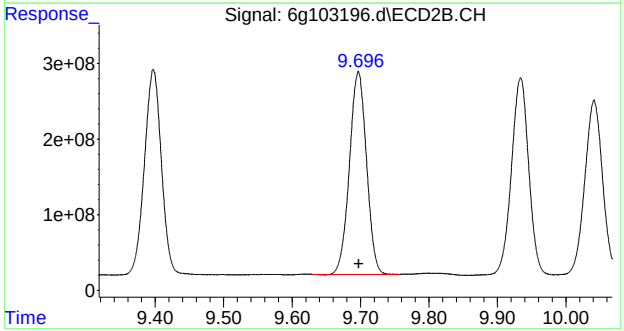
#11 Heptachlor Epoxide

R.T.: 9.397 min
Delta R.T.: 0.000 min
Response: 4669980939
Conc: 5.04 PPB



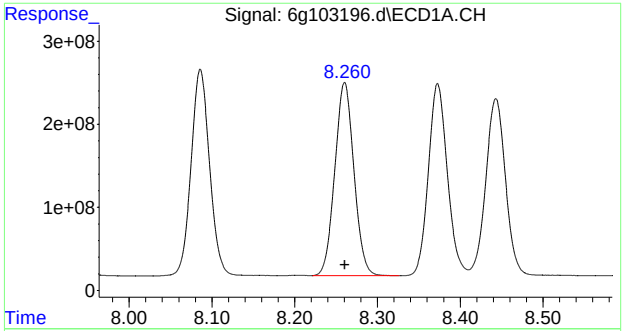
#12 gamma-Chlordane

R.T.: 8.086 min
Delta R.T.: 0.000 min
Response: 3853665934
Conc: 4.68 PPB



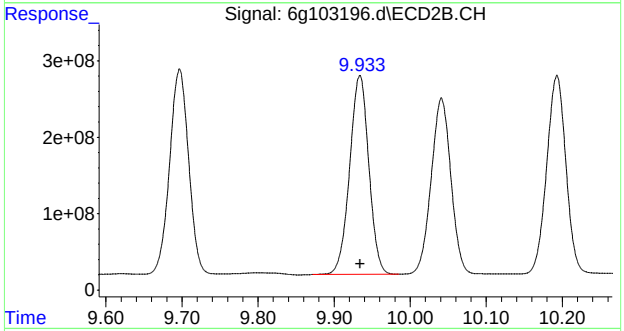
#12 gamma-Chlordane

R.T.: 9.697 min
Delta R.T.: 0.000 min
Response: 4636040890
Conc: 4.22 PPB



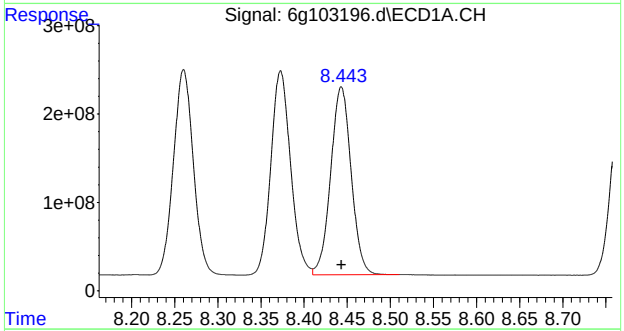
#13 alpha-Chlordane

R.T.: 8.260 min
Delta R.T.: 0.000 min
Response: 3734687231
Conc: 4.79 PPB



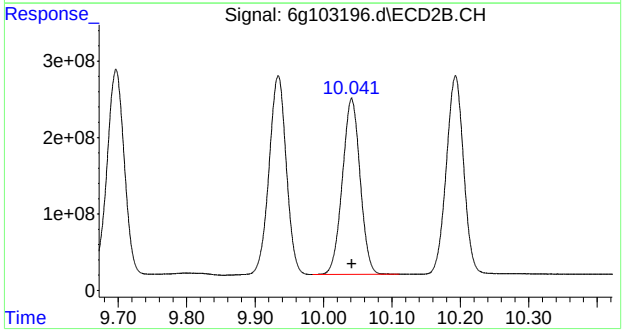
#13 alpha-Chlordane

R.T.: 9.934 min
Delta R.T.: 0.000 min
Response: 4556937946
Conc: 4.09 PPB



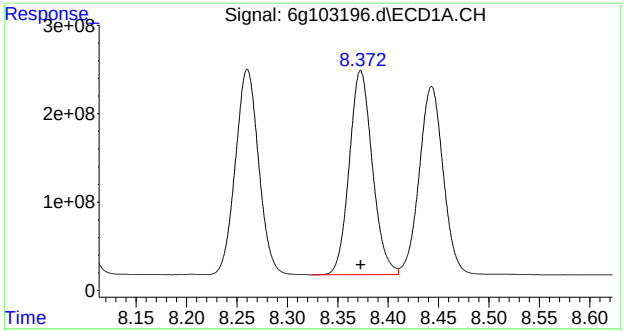
#14 Endosulfan I

R.T.: 8.443 min
Delta R.T.: 0.000 min
Response: 3518595531
Conc: 4.72 PPB



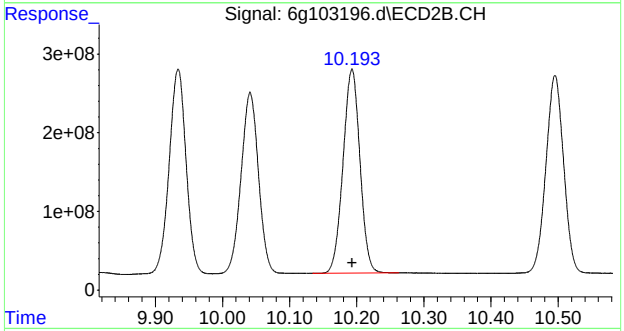
#14 Endosulfan I

R.T.: 10.041 min
Delta R.T.: 0.000 min
Response: 4148019729
Conc: 4.97 PPB



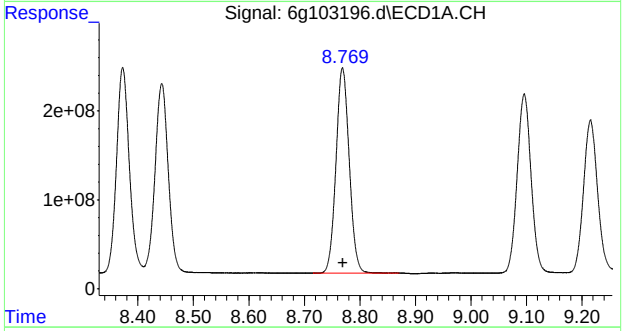
#15 4,4'-DDE

R.T.: 8.373 min
Delta R.T.: 0.000 min
Response: 3689400338
Conc: 4.95 PPB



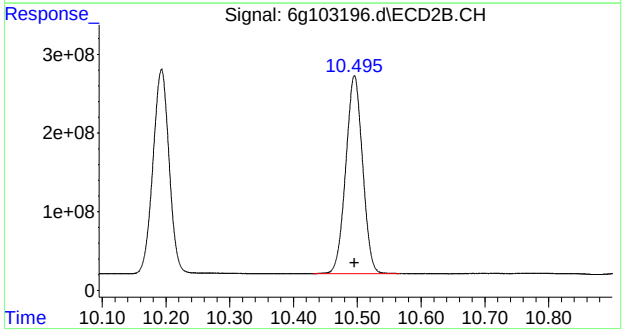
#15 4,4'-DDE

R.T.: 10.193 min
Delta R.T.: 0.000 min
Response: 4537479584
Conc: 4.28 PPB



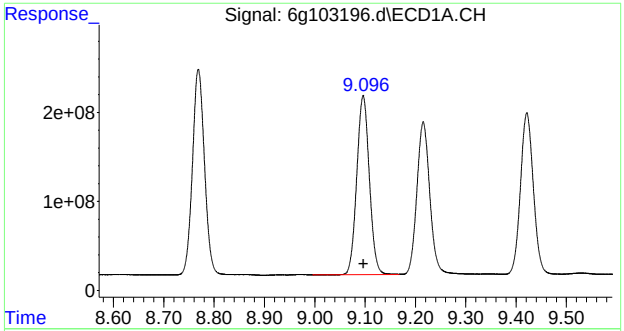
#16 Dieldrin

R.T.: 8.769 min
Delta R.T.: 0.000 min
Response: 3829375863
Conc: 4.71 PPB



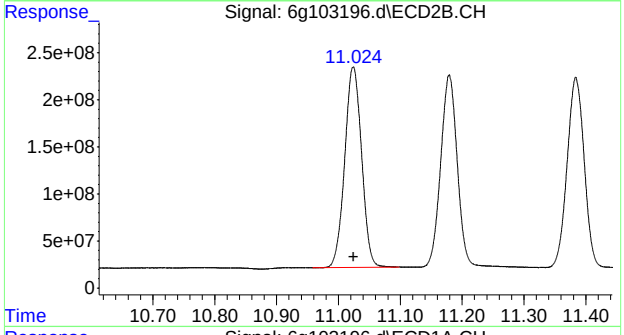
#16 Dieldrin

R.T.: 10.496 min
Delta R.T.: 0.000 min
Response: 4604565114
Conc: 4.90 PPB



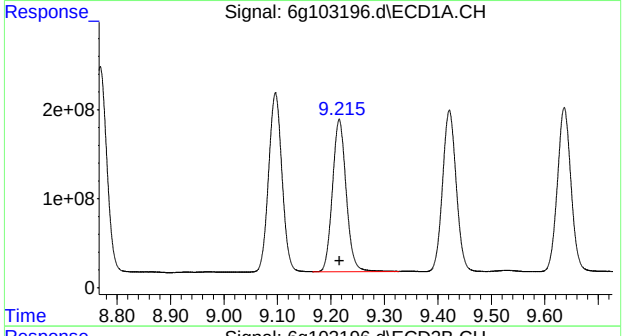
#17 Endrin

R.T.: 9.096 min
Delta R.T.: 0.000 min
Response: 3491188038
Conc: 4.79 PPB



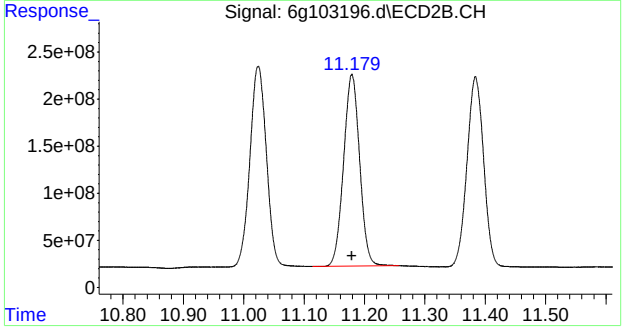
#17 Endrin

R.T.: 11.024 min
Delta R.T.: 0.000 min
Response: 4035421716
Conc: 4.85 PPB



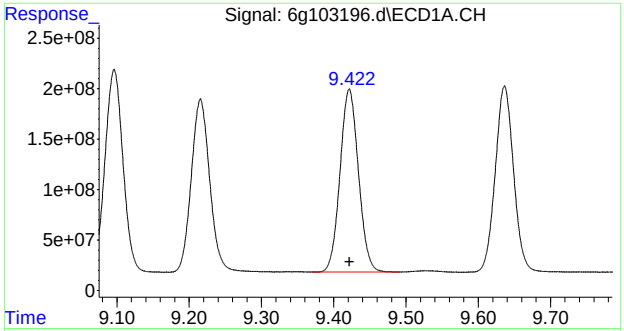
#18 4,4'-DDD

R.T.: 9.216 min
Delta R.T.: 0.000 min
Response: 3051225404
Conc: 4.99 PPB



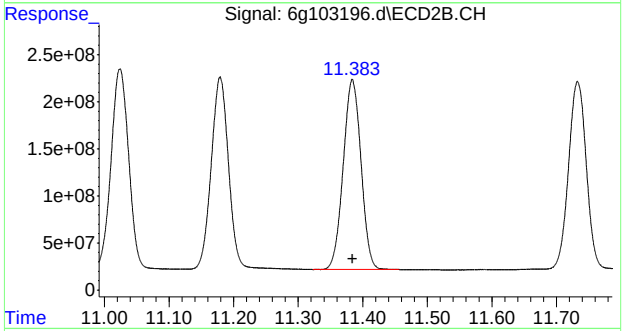
#18 4,4'-DDD

R.T.: 11.179 min
Delta R.T.: 0.000 min
Response: 3757174260
Conc: 4.32 PPB



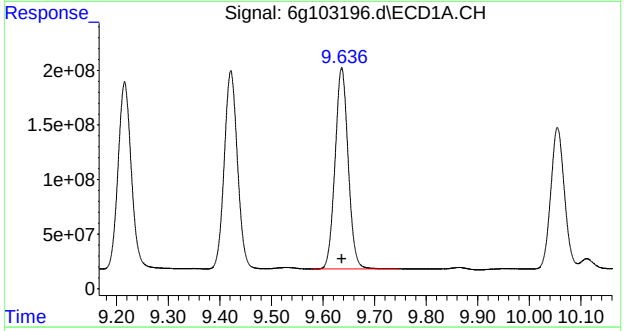
#19 Endosulfan II

R.T.: 9.422 min
Delta R.T.: 0.000 min
Response: 3211620084
Conc: 4.79 PPB



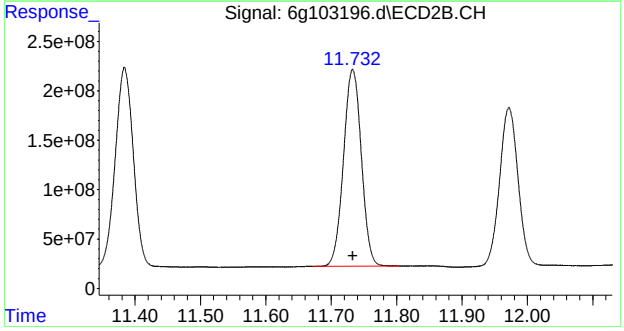
#19 Endosulfan II

R.T.: 11.384 min
Delta R.T.: 0.000 min
Response: 3863458518
Conc: 4.73 PPB



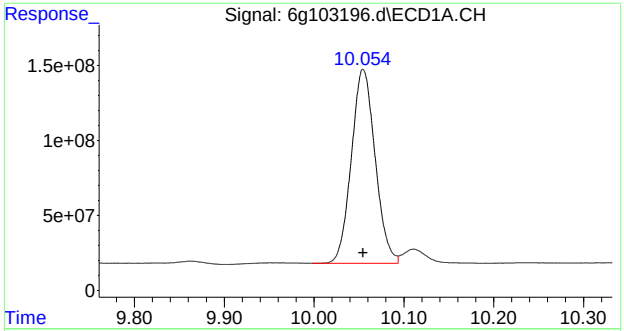
#20 4,4'-DDT

R.T.: 9.637 min
Delta R.T.: 0.000 min
Response: 3253460984
Conc: 5.00 PPB



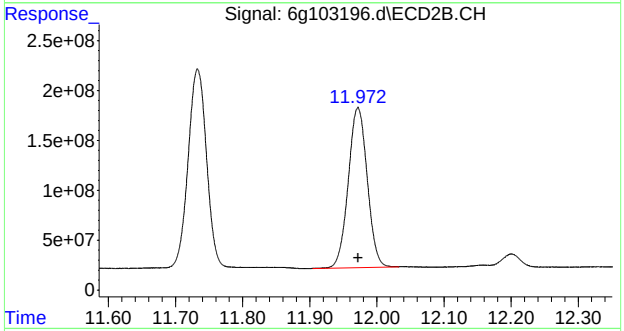
#20 4,4'-DDT

R.T.: 11.733 min
Delta R.T.: 0.000 min
Response: 3779573092
Conc: 4.24 PPB



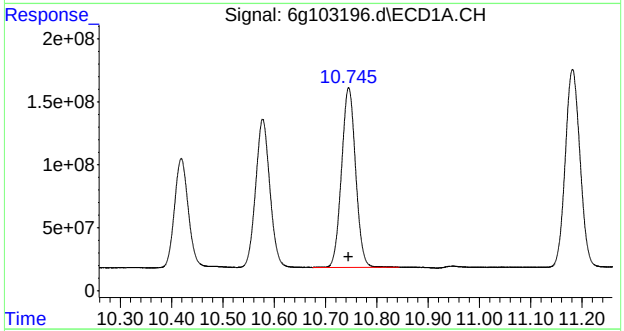
#21 Endrin Aldehyde

R.T.: 10.054 min
Delta R.T.: 0.000 min
Response: 2379671366
Conc: 4.38 PPB



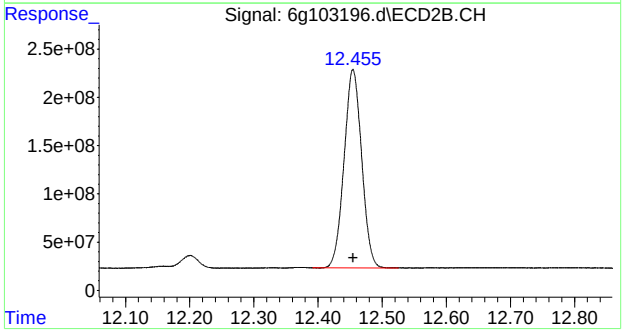
#21 Endrin Aldehyde

R.T.: 11.972 min
Delta R.T.: 0.000 min
Response: 3142502081
Conc: 4.84 PPB



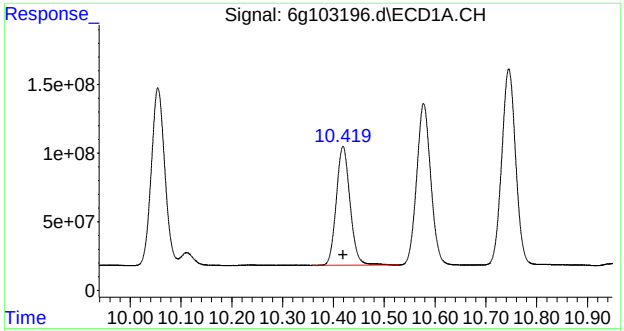
#22 Endosulfan Sulfate

R.T.: 10.745 min
Delta R.T.: 0.000 min
Response: 2719283144
Conc: 4.71 PPB



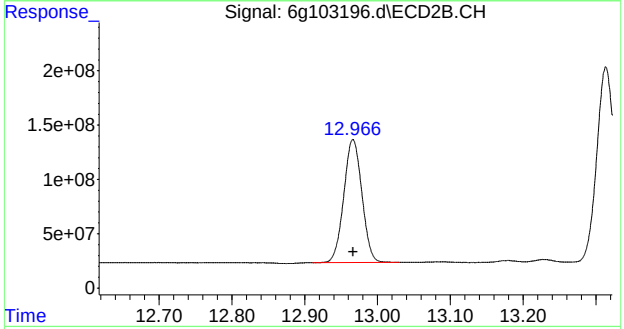
#22 Endosulfan Sulfate

R.T.: 12.455 min
Delta R.T.: 0.000 min
Response: 3917718099
Conc: 4.70 PPB



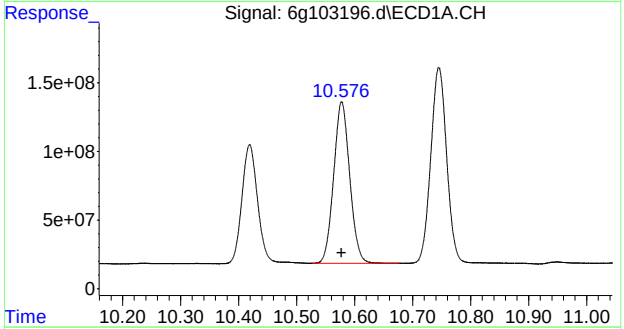
#23 Methoxychlor

R.T.: 10.419 min
Delta R.T.: 0.000 min
Response: 1633664039
Conc: 4.94 PPB



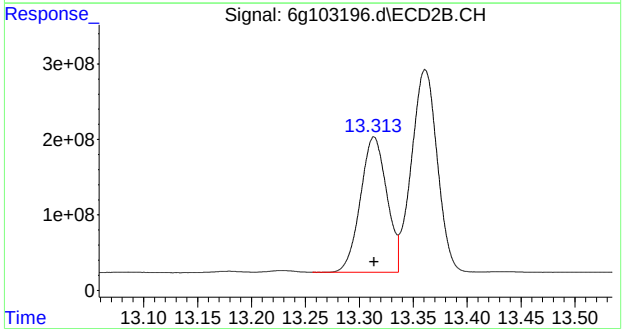
#23 Methoxychlor

R.T.: 12.966 min
Delta R.T.: 0.000 min
Response: 1957255724
Conc: 4.46 PPB



#24 Mirex

R.T.: 10.577 min
Delta R.T.: 0.000 min
Response: 2265585502
Conc: 4.60 PPB

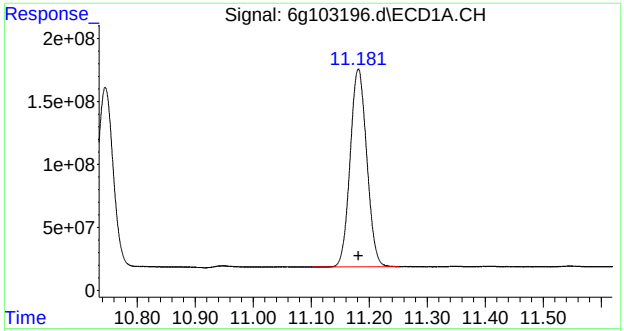


#24 Mirex

R.T.: 13.314 min
Delta R.T.: 0.000 min
Response: 3049209460
Conc: 3.83 PPB

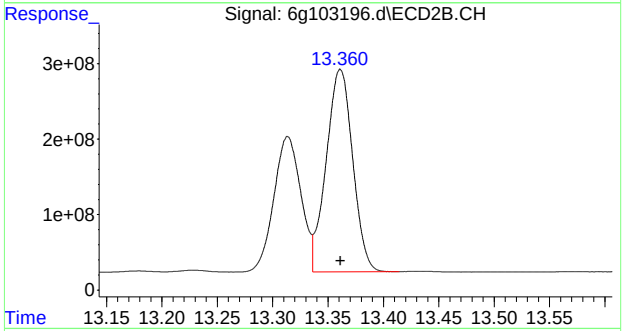
7.6.14

7



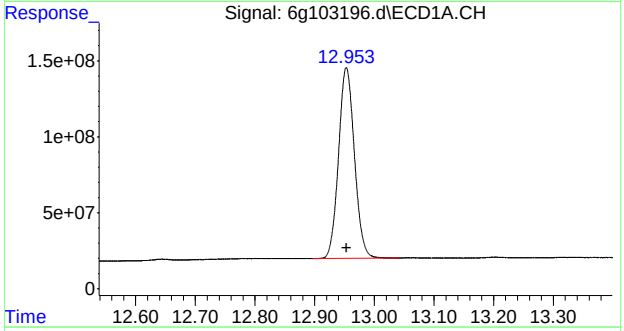
#25 Endrin Ketone

R.T.: 11.182 min
Delta R.T.: 0.000 min
Response: 3120223146
Conc: 4.84 PPB



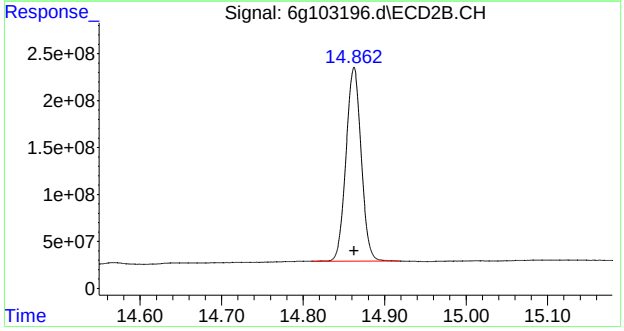
#25 Endrin Ketone

R.T.: 13.361 min
Delta R.T.: 0.000 min
Response: 4466390268
Conc: 4.01 PPB



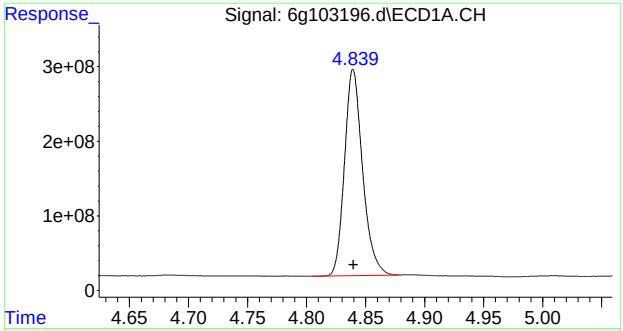
#26 Decachlorobiphenyl

R.T.: 12.953 min
Delta R.T.: 0.000 min
Response: 2318261922
Conc: 4.62 PPB



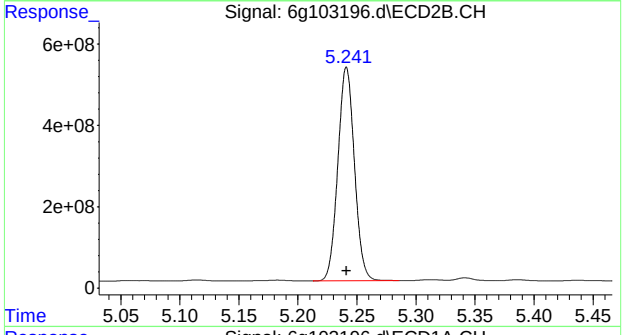
#26 Decachlorobiphenyl

R.T.: 14.863 min
Delta R.T.: 0.000 min
Response: 2667838204
Conc: 2.78 PPB



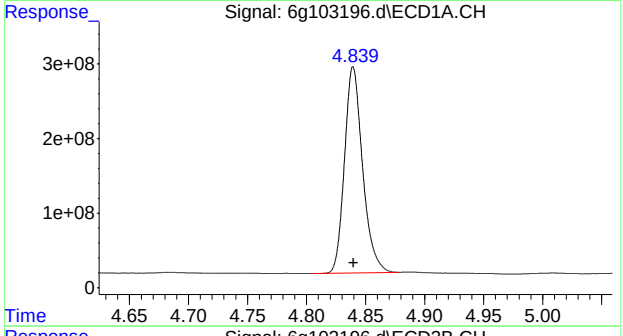
#27 1-bromo-2-nitrobenzeneA

R.T.: 4.839 min
Delta R.T.: 0.000 min
Response: 2949022508
Conc: 5.00 PPB



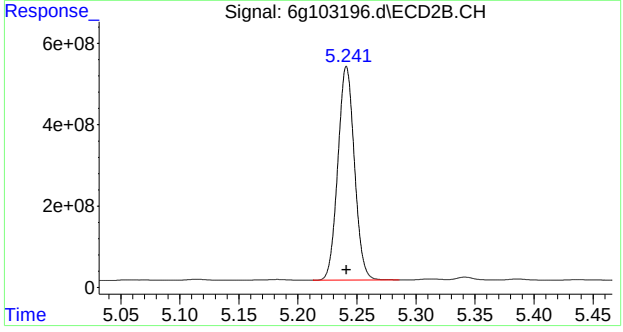
#27 1-bromo-2-nitrobenzeneA

R.T.: 5.241 min
Delta R.T.: 0.000 min
Response: 5132168852
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 4.839 min
Delta R.T.: 0.000 min
Response: 2949022508
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 5.241 min
Delta R.T.: 0.000 min
Response: 5132168852
Conc: 5.00 PPB

Manual Integrations APPROVED (compounds with "m" flag)
Syra Marie Pacheco 12/11/24 03:13

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\
Data File : 6g103213.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10-Dec-24, 02:17:06
Operator : rebeccak
Sample : cc3879-2.5
Misc : op59854,g6g3882,5.5,,,10,5
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 20:50:23 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Tue Dec 10 13:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1)	I 1-bromo-2...	4.833	5.235	3951.8E6	6580.9E6	5.000	5.000
27)	I 1-bromo-2...	4.833	5.235	3951.8E6	6580.9E6	5.000	5.000
33)	I 1-bromo-2...	4.833	5.235	3951.8E6	6580.9E6	5.000	5.000
	System Monitoring Compounds						
2)	SAB Tetrachlo...	5.505	6.174	2164.7E6	2855.2E6	2.575	2.355
	Spiked Amount 40.000	Range 30 - 150		Recovery =		6.44%#	5.89%#
26)	SA Decachlor...	12.946	14.859	1407.1E6	1541.1E6	2.093m	1.252 #
	Spiked Amount 40.000			Recovery =		5.23%	3.13%
	Target Compounds						
3)	Hexachlor...	5.859	6.746	3515.6E6	4625.6E6	2.500	2.235
4)	A alpha-BHC	6.014	6.919	3727.5E6	5986.1E6	2.636	2.256
5)	MA gamma-BHC	6.322	7.390	3142.7E6	3711.4E6	2.531m	2.050
6)	MA Heptachlor	6.835	8.023	3089.1E6	3996.9E6	2.586m	2.392
7)	B beta-BHC	6.406	7.482	1276.4E6	1969.0E6	2.418	2.104
8)	B delta-BHC	6.597	7.914	2790.7E6	4212.8E6	2.316	2.131
9)	MB Aldrin	7.179	8.514	2970.8E6	3577.1E6	2.541m	2.387m
10)	Alachlor	7.338	8.289	301.2E6	511.8E6	2.405	2.611
11)	B Heptachlo...	7.914	9.390	1741.0E6	2858.7E6	2.085m	2.275m
12)	B gamma-Chl...	8.076	9.689	2647.6E6	2950.2E6	2.401	2.092m
13)	B alpha-Chl...	8.250	9.926	2504.3E6	2864.6E6	2.397m	2.005m
14)	A Endosulfan I	8.432	10.034	2393.0E6	2547.9E6	2.397	2.244
15)	B 4,4'-DDE	8.363	10.185	2491.5E6	2788.6E6	2.497	2.052
16)	MA Dieldrin	8.759	10.489	2560.3E6	2893.5E6	2.352m	2.274
17)	MA Endrin	9.087	11.017	2308.6E6	2495.6E6	2.362	2.214m
18)	A 4,4'-DDD	9.205	11.172	2034.5E6	2363.1E6	2.484	2.120
19)	B Endosulfa...	9.412	11.377	2177.9E6	2378.4E6	2.423m	2.139
20)	MA 4,4'-DDT	9.626	11.726	2147.9E6	2390.9E6	2.465m	2.092
21)	B Endrin Al...	10.046	11.966	1728.2E6	2167.6E6	2.375	2.431m
22)	B Endosulfa...	10.733	12.448	1789.2E6	2497.2E6	2.315m	2.217
23)	A Methoxychlor	10.408	12.960	1126.7E6	1268.6E6	2.543m	2.132m
24)	Mirex	10.567	13.308	1511.0E6	1717.9E6	2.291	1.681
25)	B Endrin Ke...	11.172	13.355	1858.5E6	2555.9E6	2.149m	1.788
	Sum Toxaphene			0	0	N.D.	N.D.
Average	Toxaphene					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\
Data File : 6g103213.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10-Dec-24, 02:17:06
Operator : rebeccak
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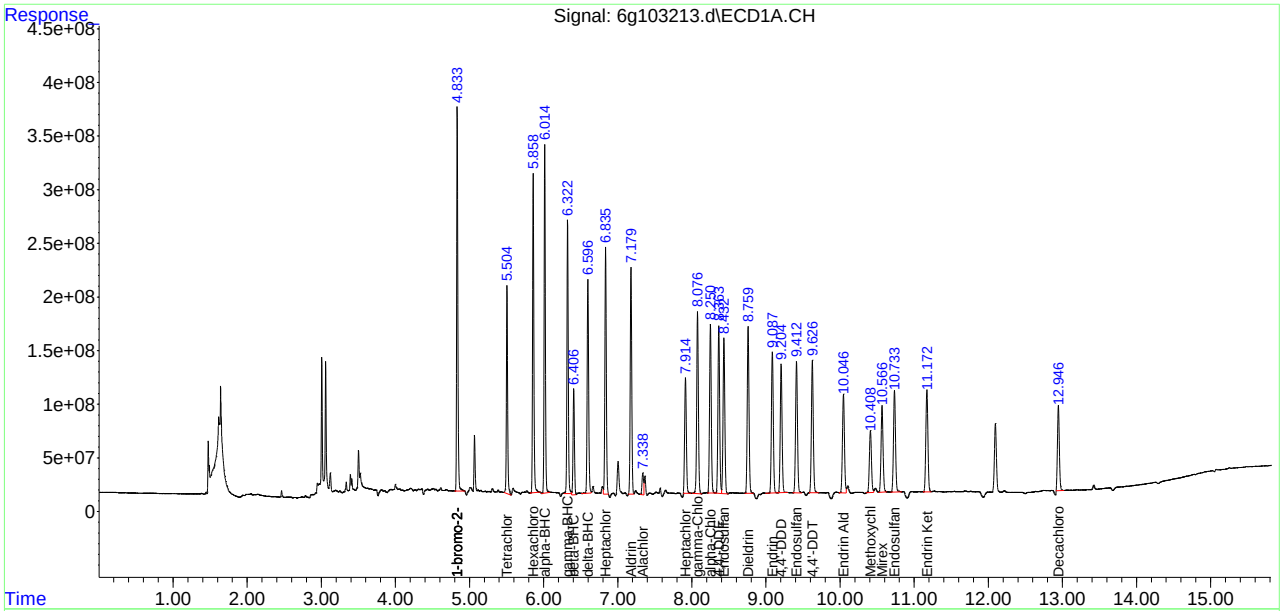
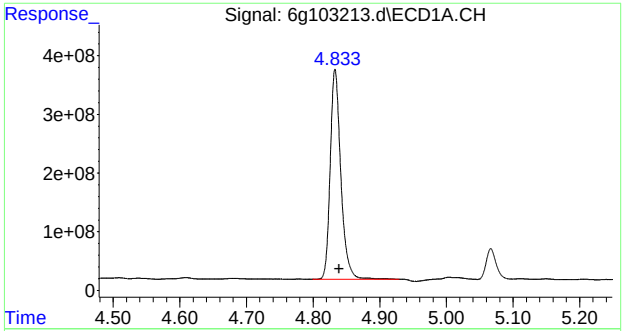
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 20:50:23 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Tue Dec 10 13:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

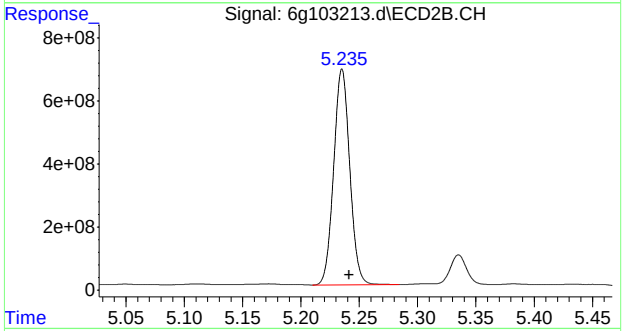
Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





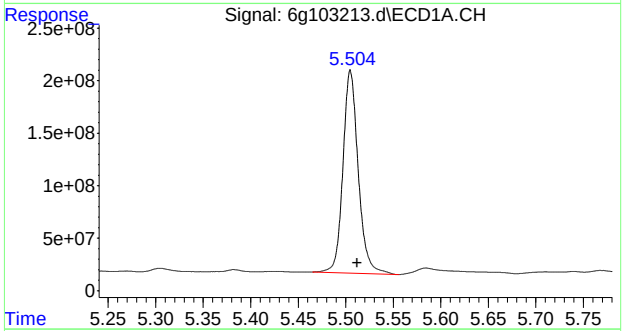
#1 1-bromo-2-nitrobenzene

R.T.: 4.833 min
Delta R.T.: -0.006 min
Response: 3951812190
Conc: 5.00 PPB



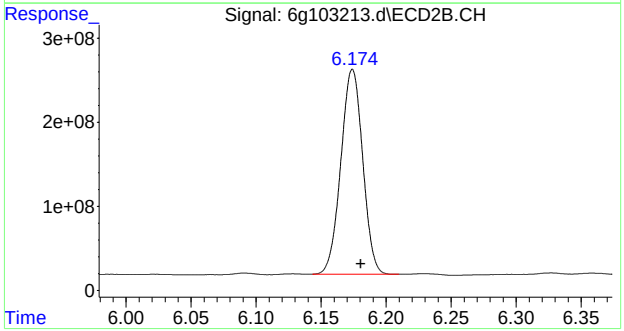
#1 1-bromo-2-nitrobenzene

R.T.: 5.235 min
Delta R.T.: -0.006 min
Response: 6580902148
Conc: 5.00 PPB



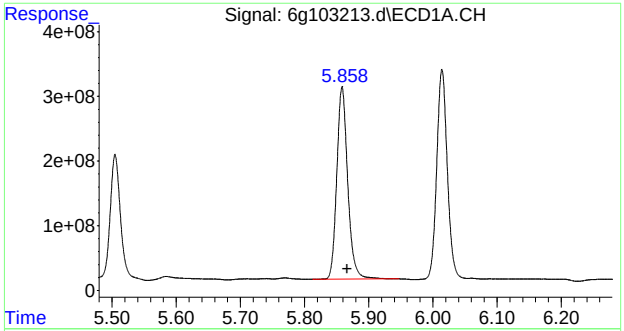
#2 Tetrachloro-m-xylene

R.T.: 5.505 min
Delta R.T.: -0.007 min
Response: 2164742726
Conc: 2.58 PPB



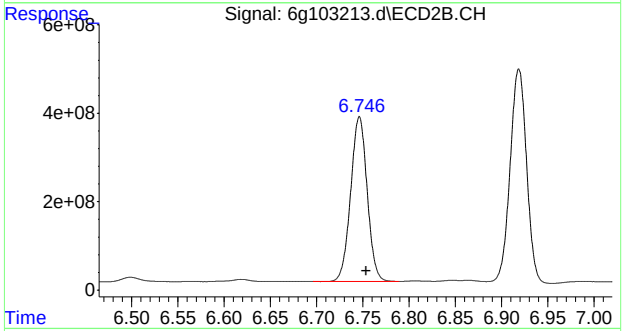
#2 Tetrachloro-m-xylene

R.T.: 6.174 min
Delta R.T.: -0.006 min
Response: 2855191095
Conc: 2.36 PPB



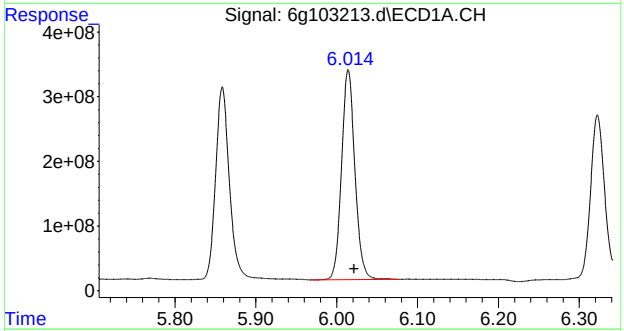
#3 Hexachlorobenzene

R.T.: 5.859 min
Delta R.T.: -0.008 min
Response: 3515578613
Conc: 2.50 PPB



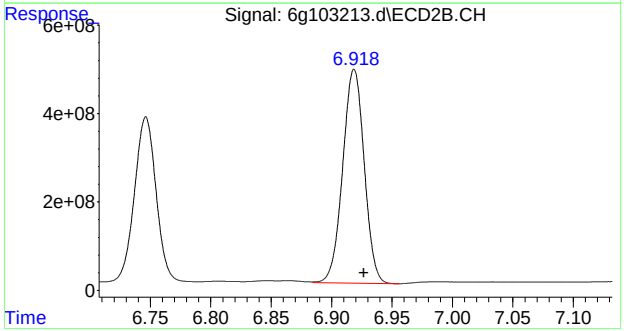
#3 Hexachlorobenzene

R.T.: 6.746 min
Delta R.T.: -0.007 min
Response: 4625603603
Conc: 2.23 PPB



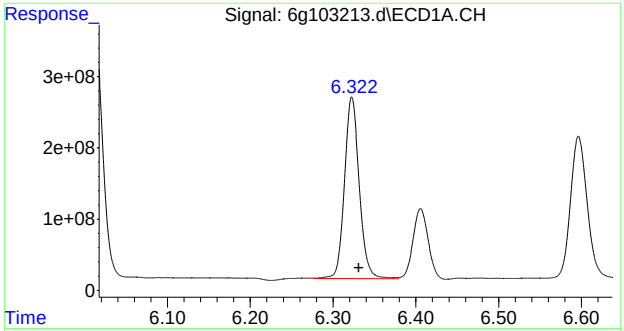
#4 alpha-BHC

R.T.: 6.014 min
Delta R.T.: -0.007 min
Response: 3727463328
Conc: 2.64 PPB



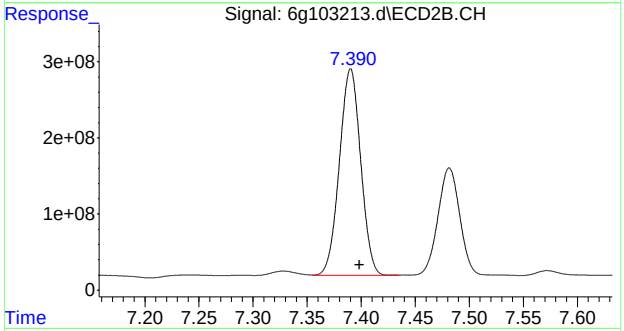
#4 alpha-BHC

R.T.: 6.919 min
Delta R.T.: -0.008 min
Response: 5986131461
Conc: 2.26 PPB



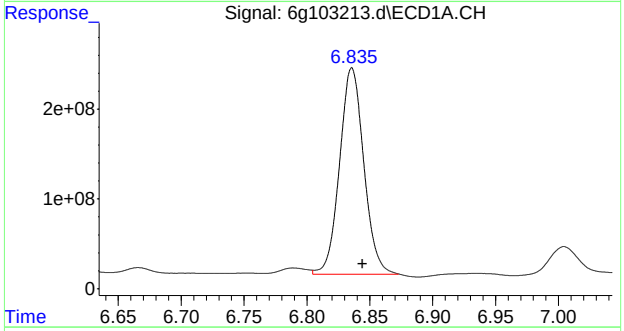
#5 gamma-BHC

R.T.: 6.322 min
Delta R.T.: -0.009 min
Response: 3142673854
Conc: 2.53 PPB m



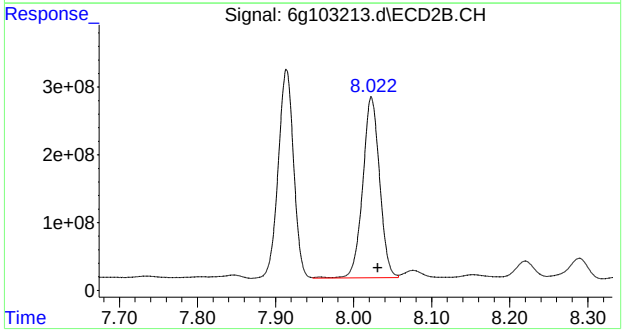
#5 gamma-BHC

R.T.: 7.390 min
Delta R.T.: -0.008 min
Response: 3711441795
Conc: 2.05 PPB



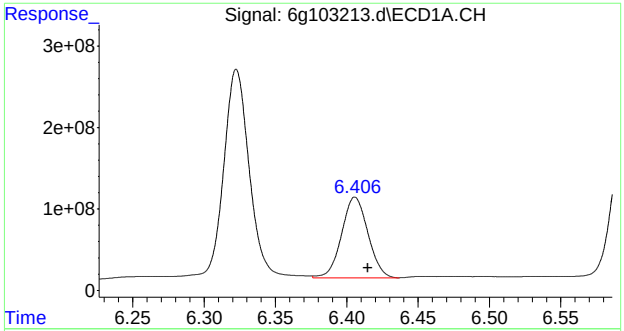
#6 Heptachlor

R.T.: 6.835 min
Delta R.T.: -0.009 min
Response: 3089119916
Conc: 2.59 PPB m



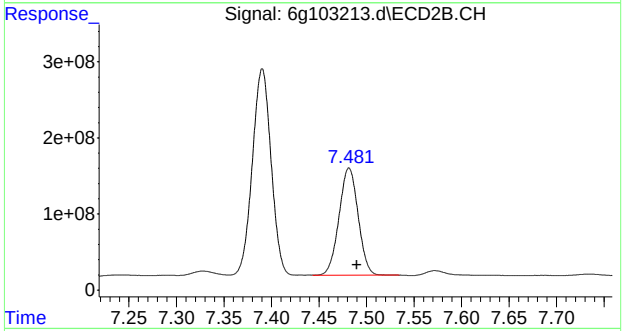
#6 Heptachlor

R.T.: 8.023 min
Delta R.T.: -0.008 min
Response: 3996940632
Conc: 2.39 PPB



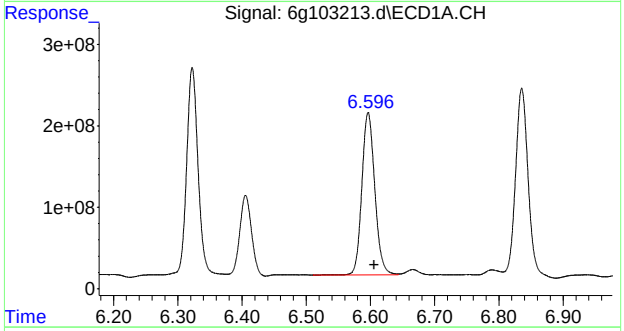
#7 beta-BHC

R.T.: 6.406 min
Delta R.T.: -0.009 min
Response: 1276420808
Conc: 2.42 PPB



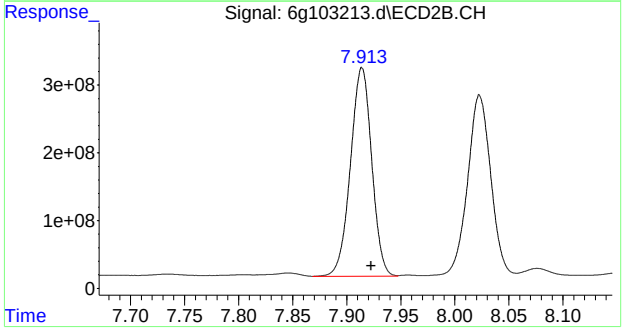
#7 beta-BHC

R.T.: 7.482 min
Delta R.T.: -0.008 min
Response: 1969001491
Conc: 2.10 PPB



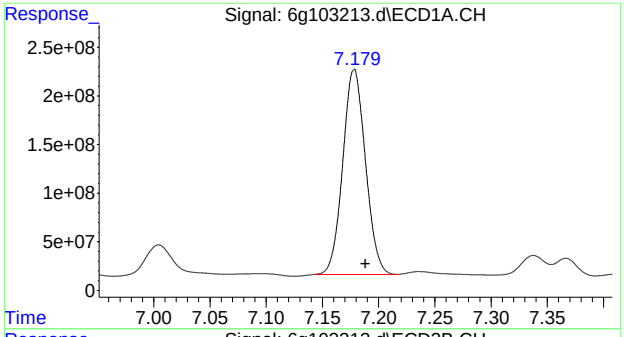
#8 delta-BHC

R.T.: 6.597 min
Delta R.T.: -0.009 min
Response: 2790667184
Conc: 2.32 PPB



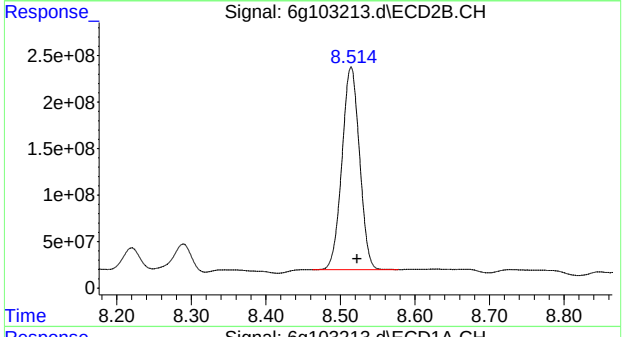
#8 delta-BHC

R.T.: 7.914 min
Delta R.T.: -0.009 min
Response: 4212804797
Conc: 2.13 PPB



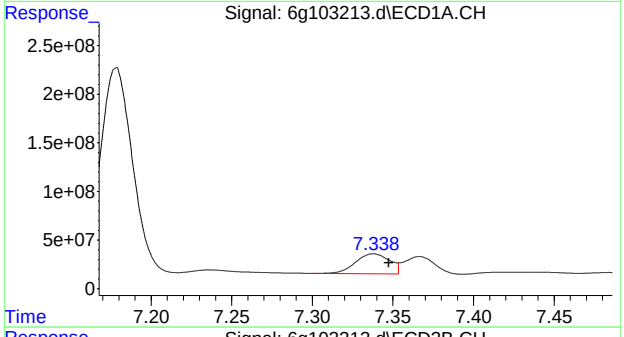
#9 Aldrin

R.T.: 7.179 min
Delta R.T.: -0.009 min
Response: 2970762617
Conc: 2.54 PPB m



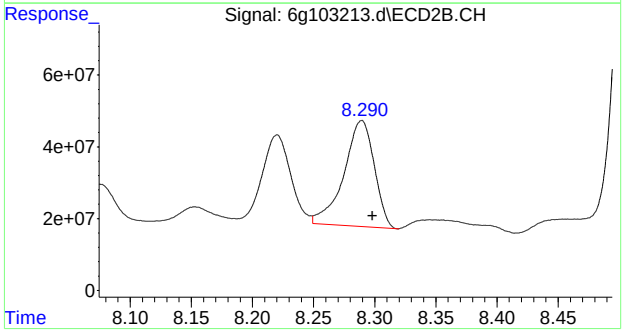
#9 Aldrin

R.T.: 8.514 min
Delta R.T.: -0.008 min
Response: 3577116896
Conc: 2.39 PPB m



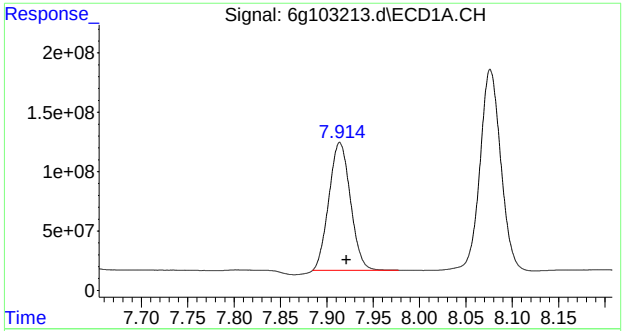
#10 Alachlor

R.T.: 7.338 min
Delta R.T.: -0.009 min
Response: 301160092
Conc: 2.41 PPB



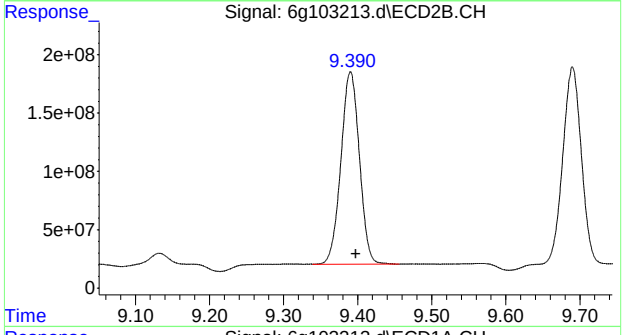
#10 Alachlor

R.T.: 8.289 min
Delta R.T.: -0.009 min
Response: 511767276
Conc: 2.61 PPB



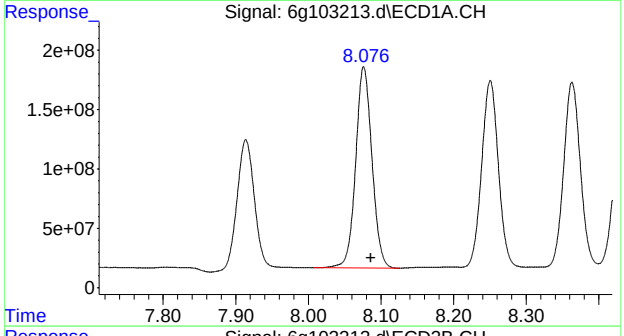
#11 Heptachlor Epoxide

R.T.: 7.914 min
Delta R.T.: -0.007 min
Response: 1741041101
Conc: 2.08 PPB m



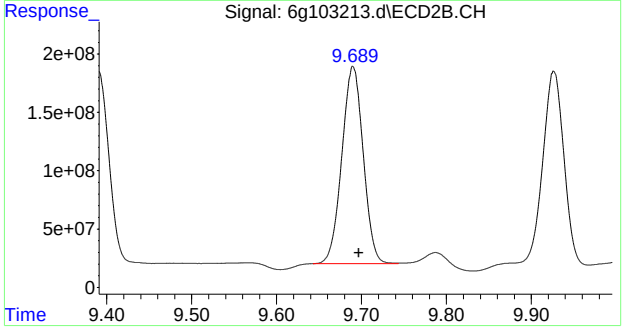
#11 Heptachlor Epoxide

R.T.: 9.390 min
Delta R.T.: -0.008 min
Response: 2858748607
Conc: 2.28 PPB m



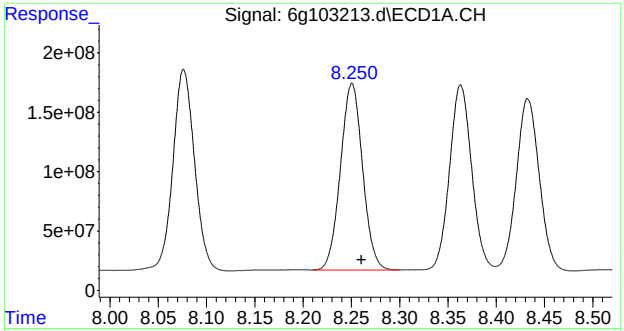
#12 gamma-Chlordane

R.T.: 8.076 min
Delta R.T.: -0.010 min
Response: 2647596266
Conc: 2.40 PPB



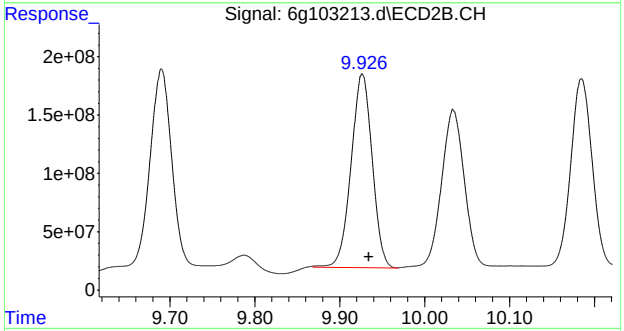
#12 gamma-Chlordane

R.T.: 9.689 min
Delta R.T.: -0.008 min
Response: 2950153224
Conc: 2.09 PPB m



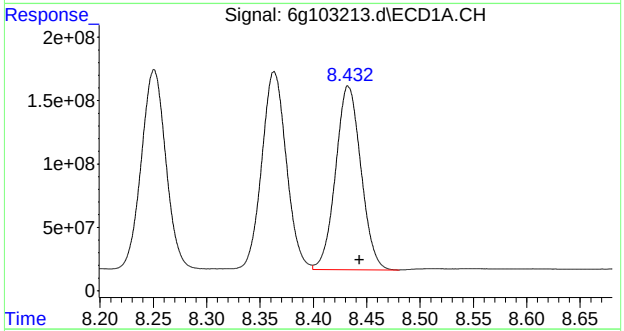
#13 alpha-Chlordane

R.T.: 8.250 min
Delta R.T.: -0.010 min
Response: 2504281334
Conc: 2.40 PPB m



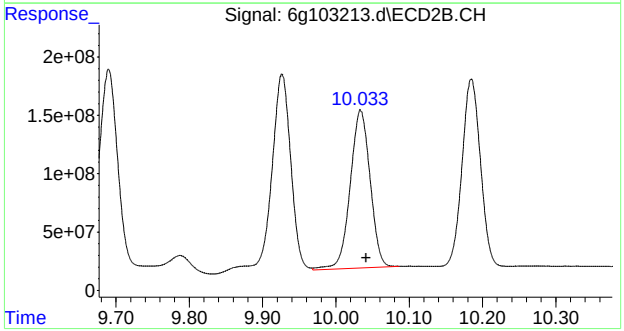
#13 alpha-Chlordane

R.T.: 9.926 min
Delta R.T.: -0.008 min
Response: 2864563960
Conc: 2.00 PPB m



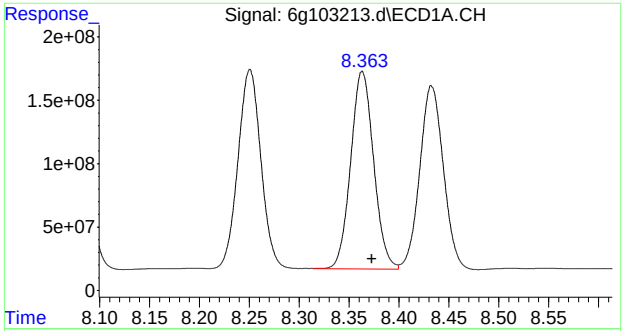
#14 Endosulfan I

R.T.: 8.432 min
Delta R.T.: -0.011 min
Response: 2392981781
Conc: 2.40 PPB



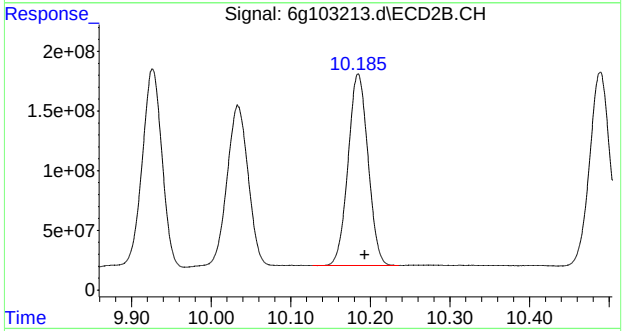
#14 Endosulfan I

R.T.: 10.034 min
Delta R.T.: -0.008 min
Response: 2547897632
Conc: 2.24 PPB



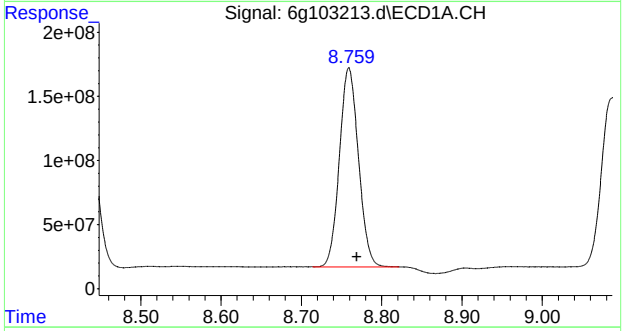
#15 4,4'-DDE

R.T.: 8.363 min
Delta R.T.: -0.010 min
Response: 2491512175
Conc: 2.50 PPB



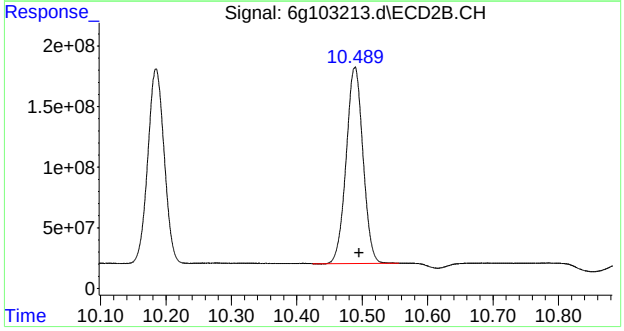
#15 4,4'-DDE

R.T.: 10.185 min
Delta R.T.: -0.008 min
Response: 2788581725
Conc: 2.05 PPB



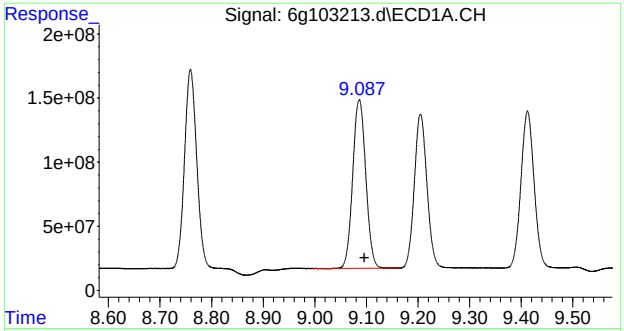
#16 Dieldrin

R.T.: 8.759 min
Delta R.T.: -0.010 min
Response: 2560343762
Conc: 2.35 PPB m



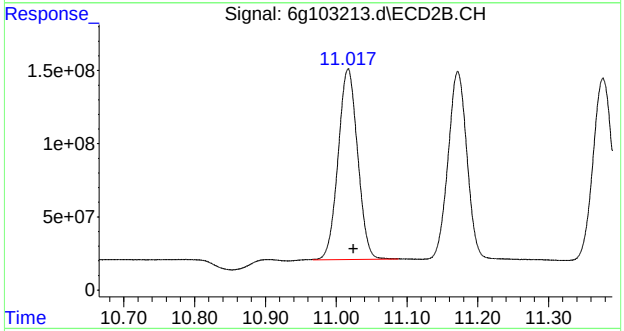
#16 Dieldrin

R.T.: 10.489 min
Delta R.T.: -0.007 min
Response: 2893488379
Conc: 2.27 PPB



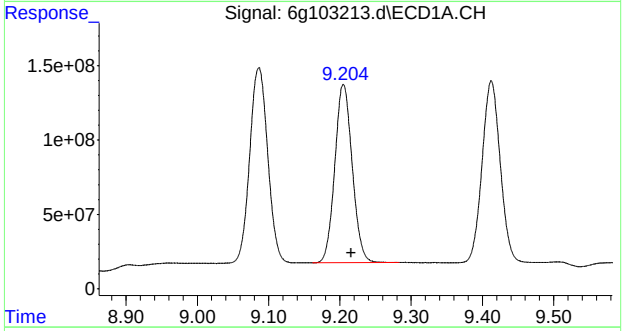
#17 Endrin

R.T.: 9.087 min
Delta R.T.: -0.010 min
Response: 2308594192
Conc: 2.36 PPB



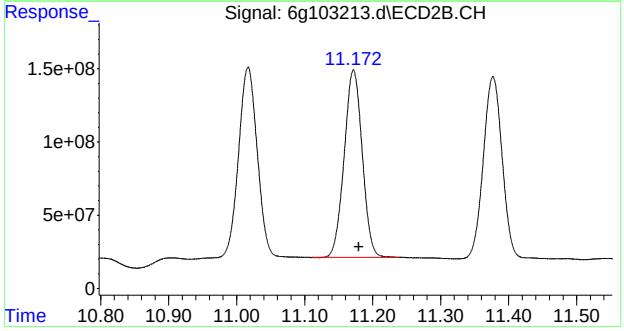
#17 Endrin

R.T.: 11.017 min
Delta R.T.: -0.008 min
Response: 2495566362
Conc: 2.21 PPB m



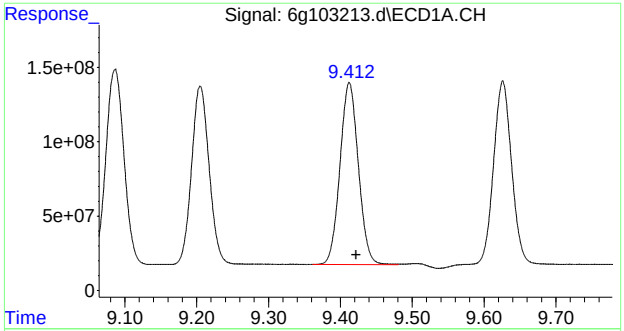
#18 4,4'-DDD

R.T.: 9.205 min
Delta R.T.: -0.011 min
Response: 2034469945
Conc: 2.48 PPB



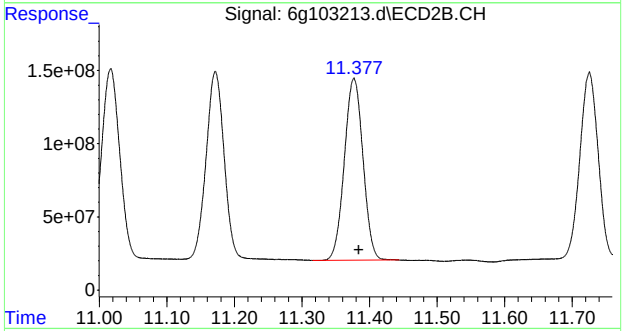
#18 4,4'-DDD

R.T.: 11.172 min
Delta R.T.: -0.007 min
Response: 2363101234
Conc: 2.12 PPB



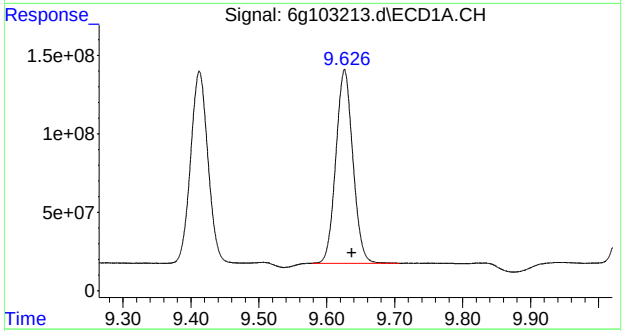
#19 Endosulfan II

R.T.: 9.412 min
Delta R.T.: -0.010 min
Response: 2177887115
Conc: 2.42 PPB m



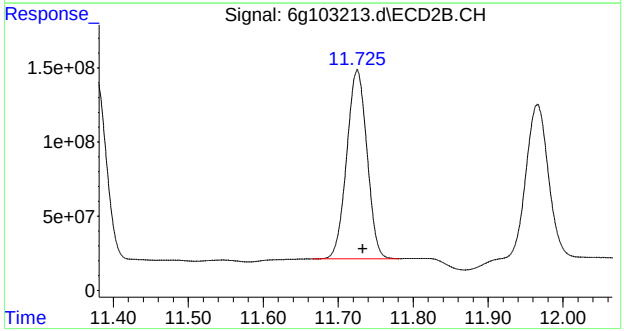
#19 Endosulfan II

R.T.: 11.377 min
Delta R.T.: -0.007 min
Response: 2378424382
Conc: 2.14 PPB



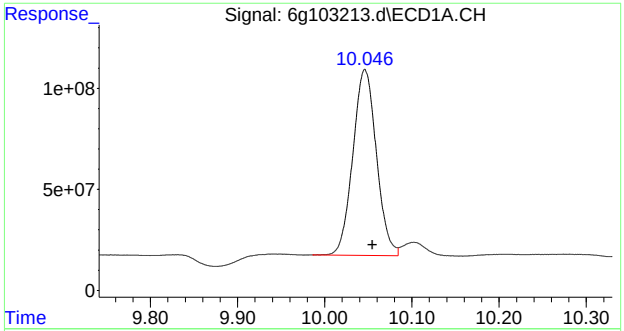
#20 4,4'-DDT

R.T.: 9.626 min
Delta R.T.: -0.011 min
Response: 2147941210
Conc: 2.47 PPB m



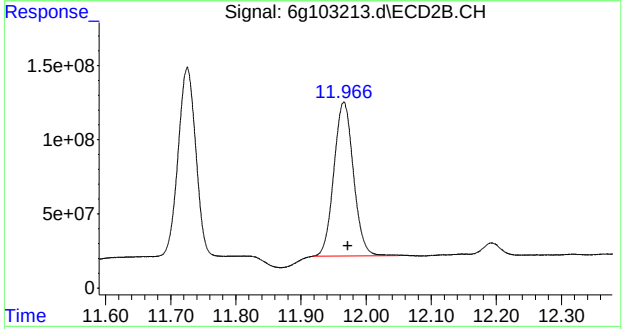
#20 4,4'-DDT

R.T.: 11.726 min
Delta R.T.: -0.007 min
Response: 2390879947
Conc: 2.09 PPB



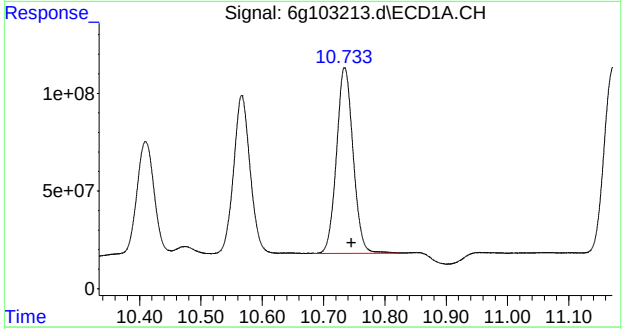
#21 Endrin Aldehyde

R.T.: 10.046 min
Delta R.T.: -0.008 min
Response: 1728248743
Conc: 2.37 PPB



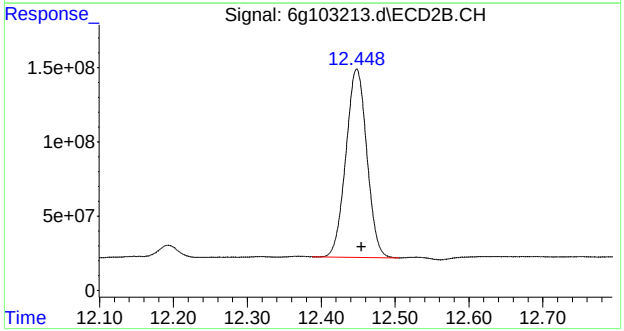
#21 Endrin Aldehyde

R.T.: 11.966 min
Delta R.T.: -0.006 min
Response: 2167551097
Conc: 2.43 PPB m



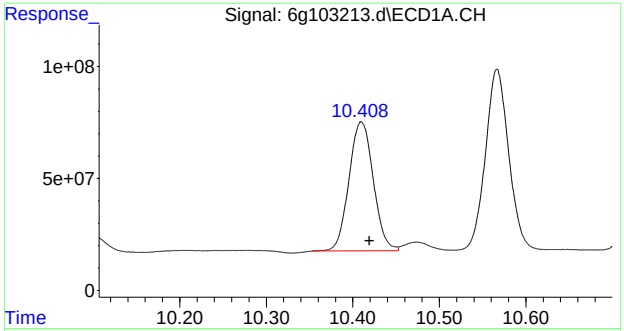
#22 Endosulfan Sulfate

R.T.: 10.733 min
Delta R.T.: -0.012 min
Response: 1789186353
Conc: 2.31 PPB m



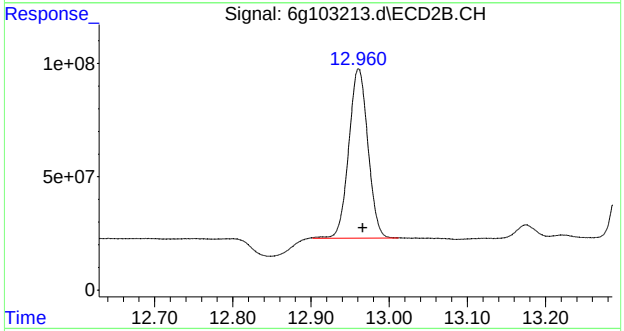
#22 Endosulfan Sulfate

R.T.: 12.448 min
Delta R.T.: -0.006 min
Response: 2497167337
Conc: 2.22 PPB



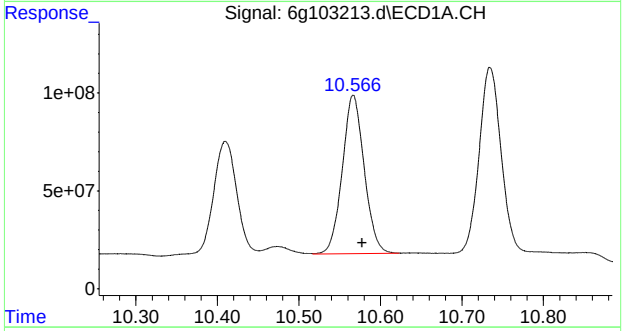
#23 Methoxychlor

R.T.: 10.408 min
Delta R.T.: -0.011 min
Response: 1126699768
Conc: 2.54 PPB m



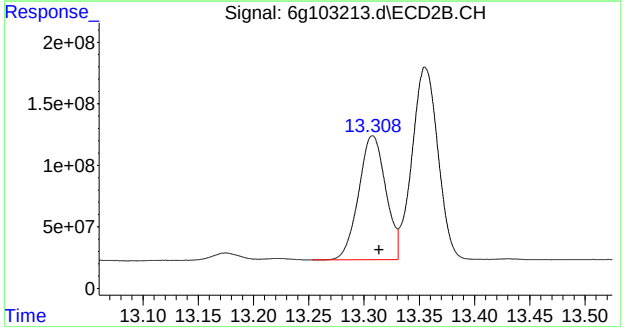
#23 Methoxychlor

R.T.: 12.960 min
Delta R.T.: -0.006 min
Response: 1268622757
Conc: 2.13 PPB m



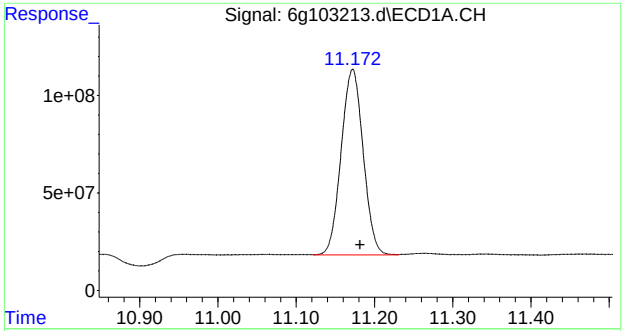
#24 Mirex

R.T.: 10.567 min
Delta R.T.: -0.010 min
Response: 1511033610
Conc: 2.29 PPB



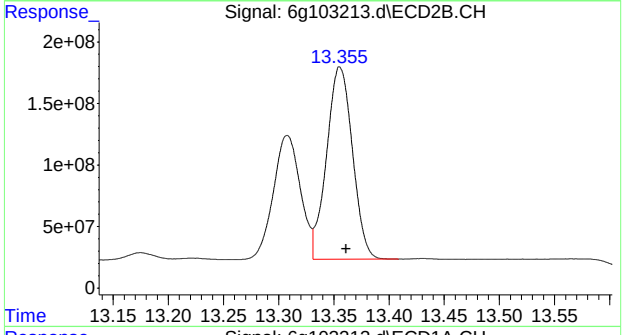
#24 Mirex

R.T.: 13.308 min
Delta R.T.: -0.006 min
Response: 1717900687
Conc: 1.68 PPB



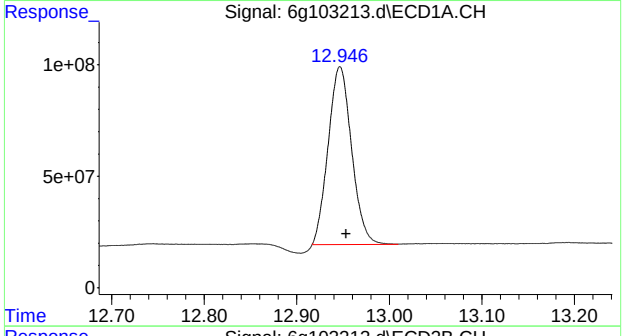
#25 Endrin Ketone

R.T.: 11.172 min
Delta R.T.: -0.009 min
Response: 1858457204
Conc: 2.15 PPB m



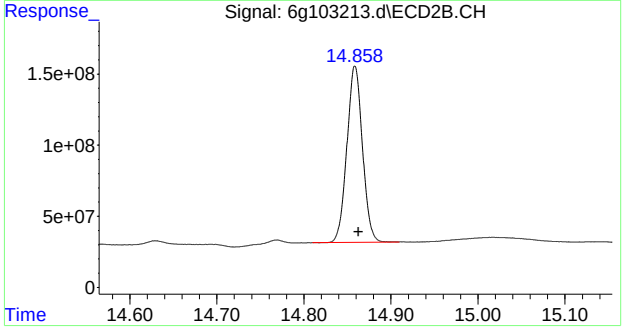
#25 Endrin Ketone

R.T.: 13.355 min
Delta R.T.: -0.006 min
Response: 2555870877
Conc: 1.79 PPB



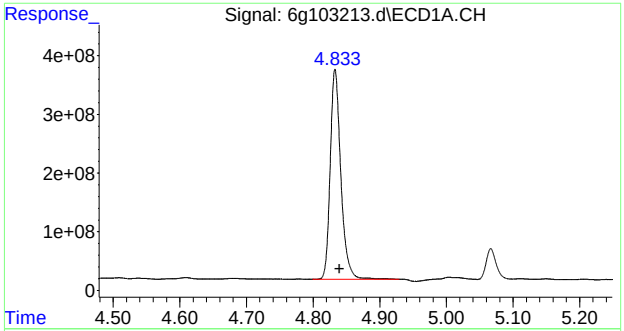
#26 Decachlorobiphenyl

R.T.: 12.946 min
Delta R.T.: -0.007 min
Response: 1407146253
Conc: 2.09 PPB m



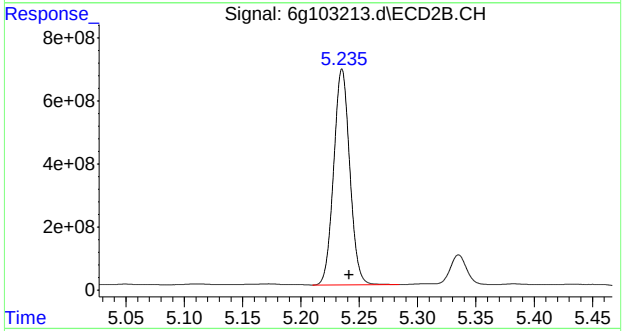
#26 Decachlorobiphenyl

R.T.: 14.859 min
Delta R.T.: -0.004 min
Response: 1541118058
Conc: 1.25 PPB



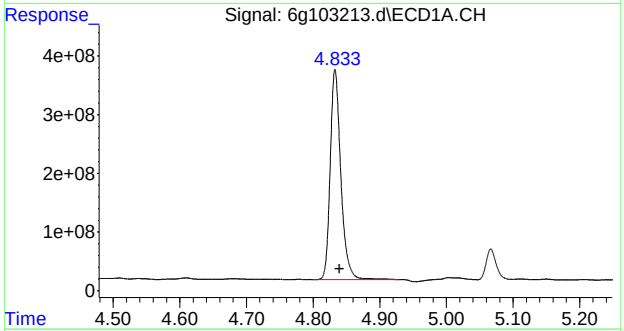
#27 1-bromo-2-nitrobenzeneA

R.T.: 4.833 min
Delta R.T.: -0.006 min
Response: 3951812190
Conc: 5.00 PPB



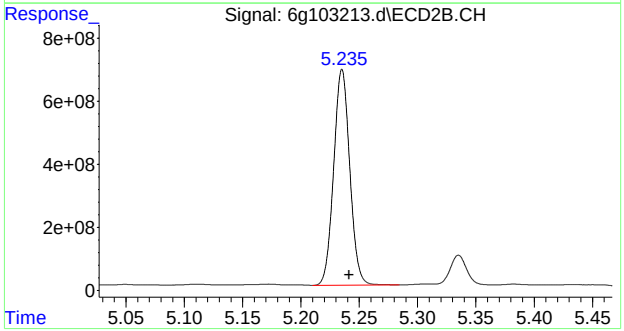
#27 1-bromo-2-nitrobenzeneA

R.T.: 5.235 min
Delta R.T.: -0.006 min
Response: 6580902148
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 4.833 min
Delta R.T.: -0.006 min
Response: 3951812190
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 5.235 min
Delta R.T.: -0.006 min
Response: 6580902148
Conc: 5.00 PPB

Manual Integration Approval Summary

Sample Number: G6G3882-CC3879
Lab FileID: 6G103213.D
Injection Time: 12/10/24 02:17
Method: SW846 8081B
Analyst approved: 12/10/24 16:22 Carlos Pinilla
Supervisor approved: 12/11/24 03:13 Syra Marie Pacheco

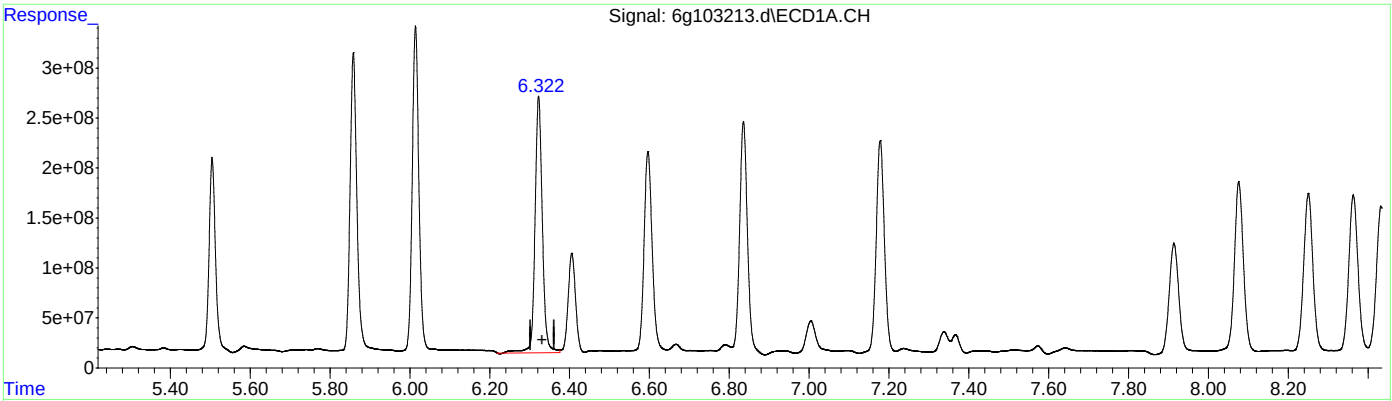
Parameter	CAS	Sig#	R.T. (min.)	Reason
gamma-BHC (Lindane)	58-89-9	1	6.32	Poorly defined baseline
Heptachlor	76-44-8	1	6.84	Poorly defined baseline
Aldrin	309-00-2	1	7.18	Poorly defined baseline
Heptachlor epoxide	1024-57-3	1	7.91	Poorly defined baseline
alpha-Chlordane	5103-71-9	1	8.25	Poorly defined baseline
Aldrin	309-00-2	2	8.51	Poorly defined baseline
Dieldrin	60-57-1	1	8.76	Poorly defined baseline
Heptachlor epoxide	1024-57-3	2	9.39	Poorly defined baseline
Endosulfan-II	33213-65-9	1	9.41	Poorly defined baseline
4,4'-DDT	50-29-3	1	9.63	Poorly defined baseline
gamma-Chlordane	5103-74-2	2	9.69	Poorly defined baseline
alpha-Chlordane	5103-71-9	2	9.93	Poorly defined baseline
Methoxychlor	72-43-5	1	10.41	Poorly defined baseline
Endosulfan sulfate	1031-07-8	1	10.73	Poorly defined baseline
Endrin	72-20-8	2	11.02	Poorly defined baseline
Endrin ketone	53494-70-5	1	11.17	Poorly defined baseline
Endrin aldehyde	7421-93-4	2	11.97	Poorly defined baseline
Decachlorobiphenyl	2051-24-3	1	12.95	Poorly defined baseline
Methoxychlor	72-43-5	2	12.96	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\
Data File : 6g103213.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10-Dec-24, 02:17:06
Operator : rebeccak
Sample : cc3879-2.5
Misc : op59854,g6g3882,5.5,,,10,5
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 20:46:07 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Tue Dec 10 13:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



(5) gamma-BHC (MA)

6.323min 2.636 PPB

response 3273813531

(5) gamma-BHC #2 (MA)

7.390min 2.050 PPB

response 3711441795

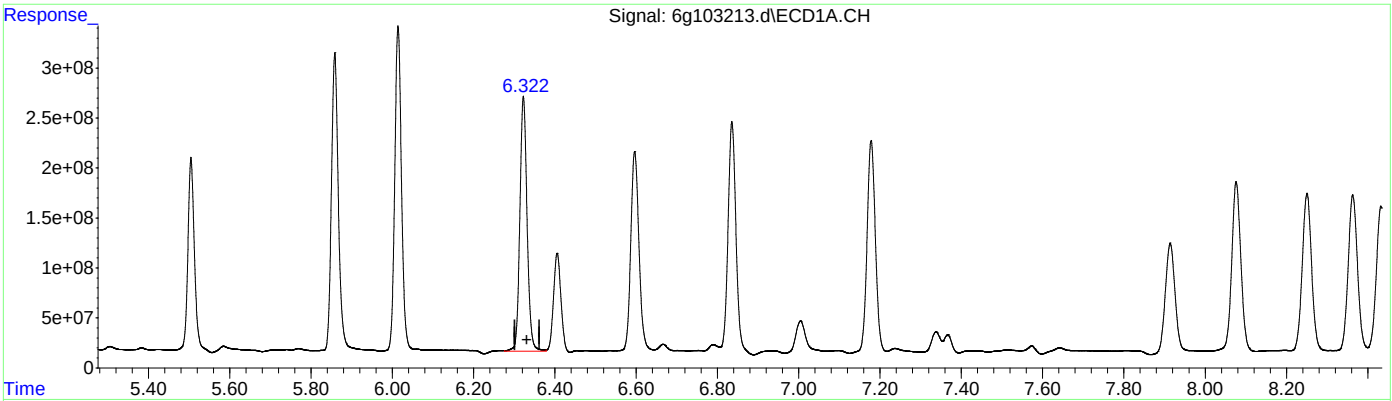
(+) = Expected Retention Time
6PSTLVI3879a.M Tue Dec 10 20:47:22 2024

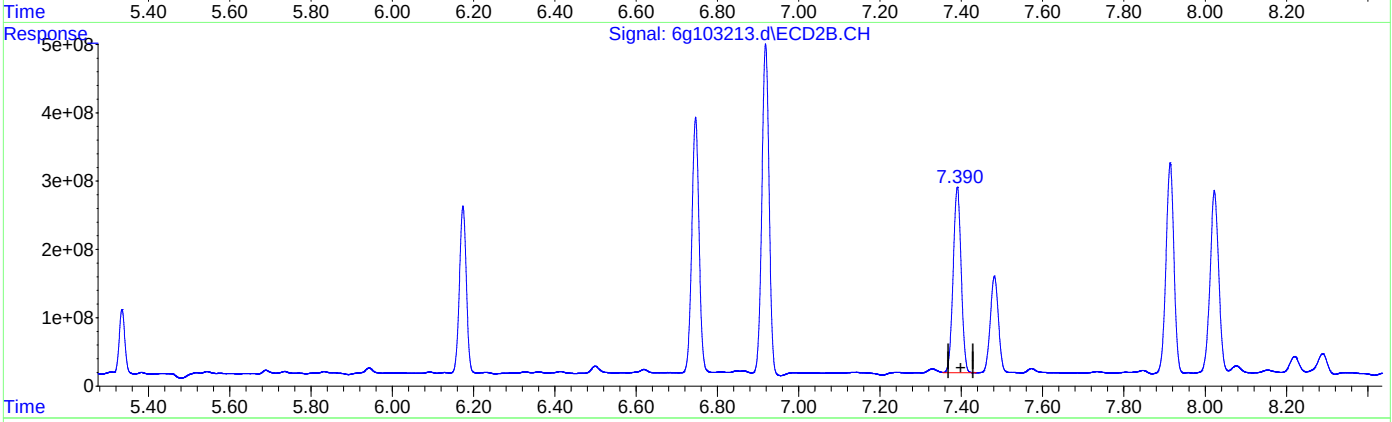
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\
Data File : 6g103213.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10-Dec-24, 02:17:06
Operator : rebeccak
Sample : cc3879-2.5
Misc : op59854,g6g3882,5.5,,,10,5
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 20:46:07 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Tue Dec 10 13:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(5) gamma-BHC (MA)

6.322min 2.531 PPB m

response 3142673854

(5) gamma-BHC #2 (MA)

7.390min 2.050 PPB

response 3711441795

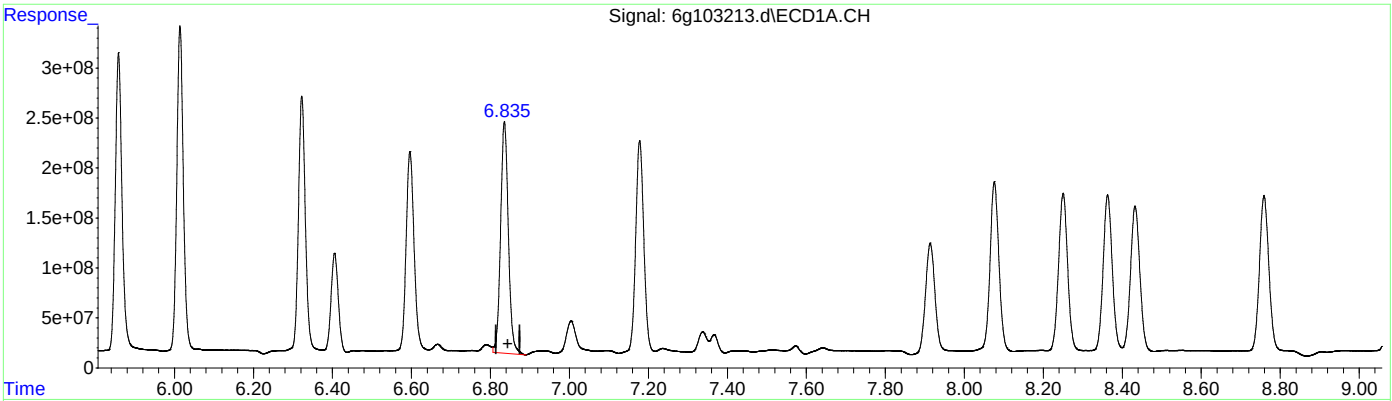
(+) = Expected Retention Time
6PSTLVI3879a.M Tue Dec 10 20:47:27 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\
Data File : 6g103213.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10-Dec-24, 02:17:06
Operator : rebeccak
Sample : cc3879-2.5
Misc : op59854,g6g3882,5.5,,,10,5
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 20:46:07 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Tue Dec 10 13:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



(6) Heptachlor (MA)

6.836min 2.639 PPB

response 3152733974

(6) Heptachlor #2 (MA)

8.023min 2.392 PPB

response 3996940632

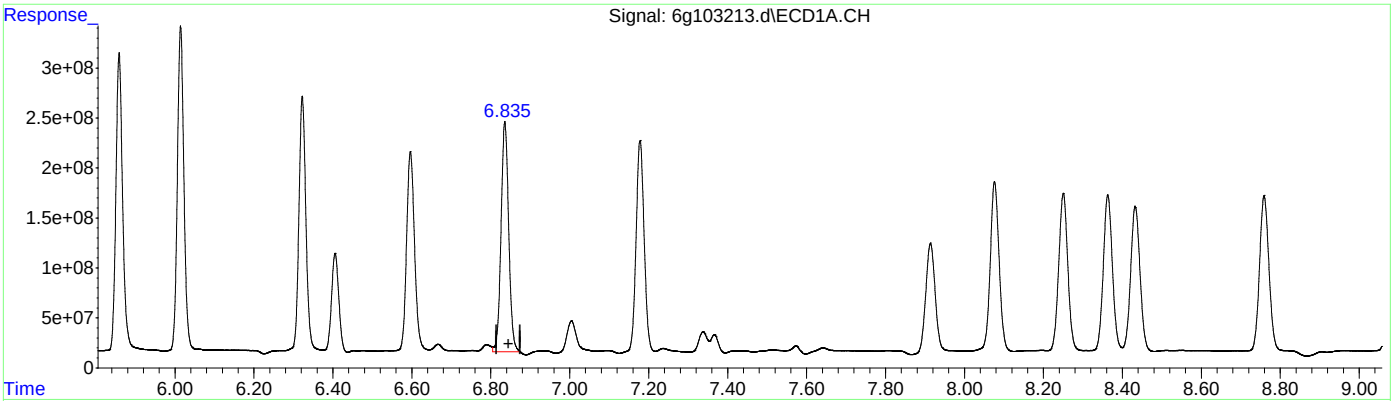
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\
Data File : 6g103213.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10-Dec-24, 02:17:06
Operator : rebeccak
Sample : cc3879-2.5
Misc : op59854,g6g3882,5.5,,,10,5
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 20:46:07 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Tue Dec 10 13:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



(6) Heptachlor (MA)

6.835min 2.586 PPB m

response 3089119916

(6) Heptachlor #2 (MA)

8.023min 2.392 PPB

response 3996940632

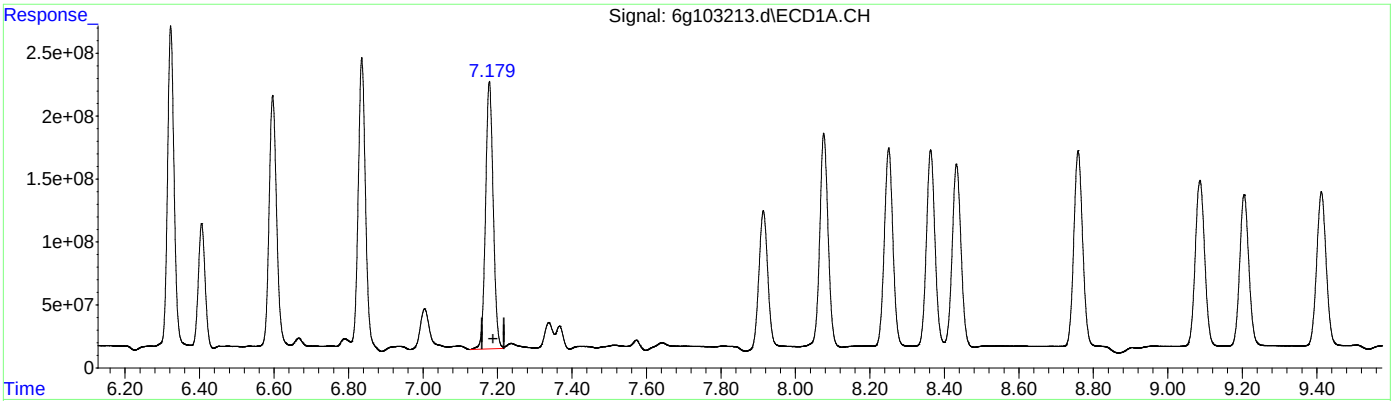
(+) = Expected Retention Time
6PSTLVI3879a.M Tue Dec 10 20:47:42 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\
Data File : 6g103213.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10-Dec-24, 02:17:06
Operator : rebeccak
Sample : cc3879-2.5
Misc : op59854,g6g3882,5.5,,,10,5
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 20:46:07 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Tue Dec 10 13:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



QEdit

(9) Aldrin (MB)

7.179min 2.596 PPB

response 3035189915

(9) Aldrin #2 (MB)

8.514min 2.414 PPB

response 3613606193

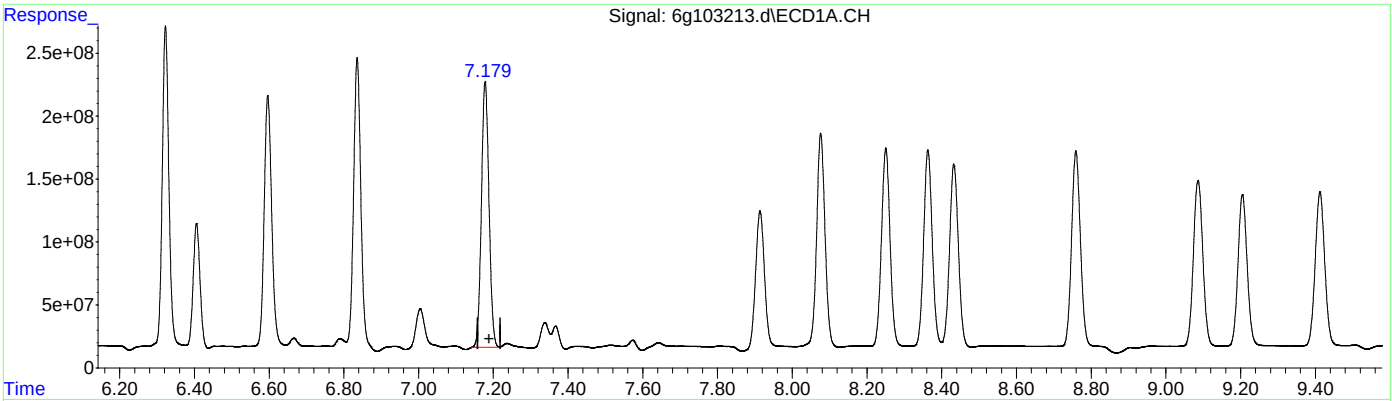
(+) = Expected Retention Time
6PSTLVI3879a.M Tue Dec 10 20:47:47 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\
Data File : 6g103213.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10-Dec-24, 02:17:06
Operator : rebeccak
Sample : cc3879-2.5
Misc : op59854,g6g3882,5.5,,,10,5
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 20:46:07 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Tue Dec 10 13:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



(9) Aldrin (MB)

7.179min 2.541 PPB m

response 2970762617

(9) Aldrin #2 (MB)

8.514min 2.387 PPB m

response 3577116896

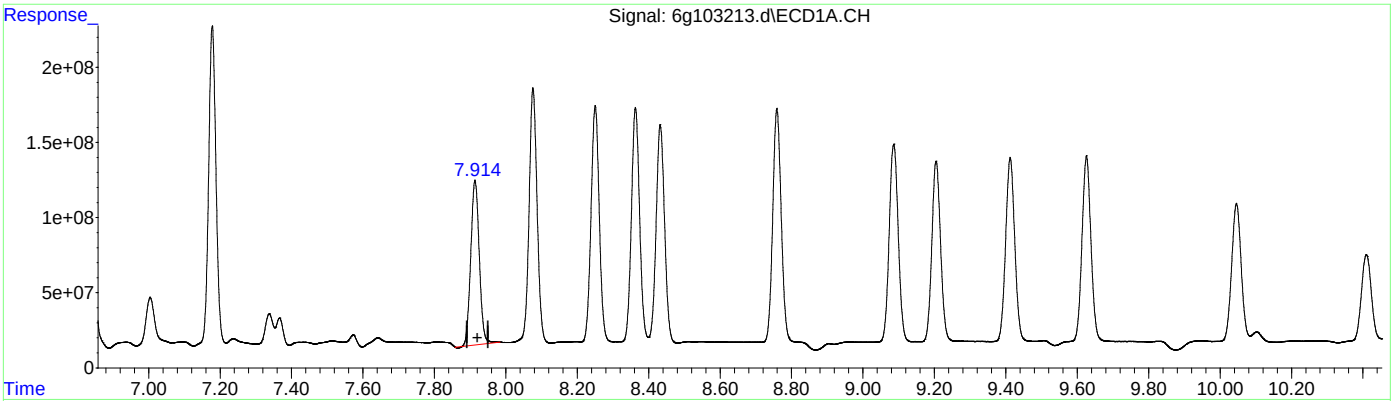
(+) = Expected Retention Time
6PSTLVI3879a.M Tue Dec 10 20:47:58 2024

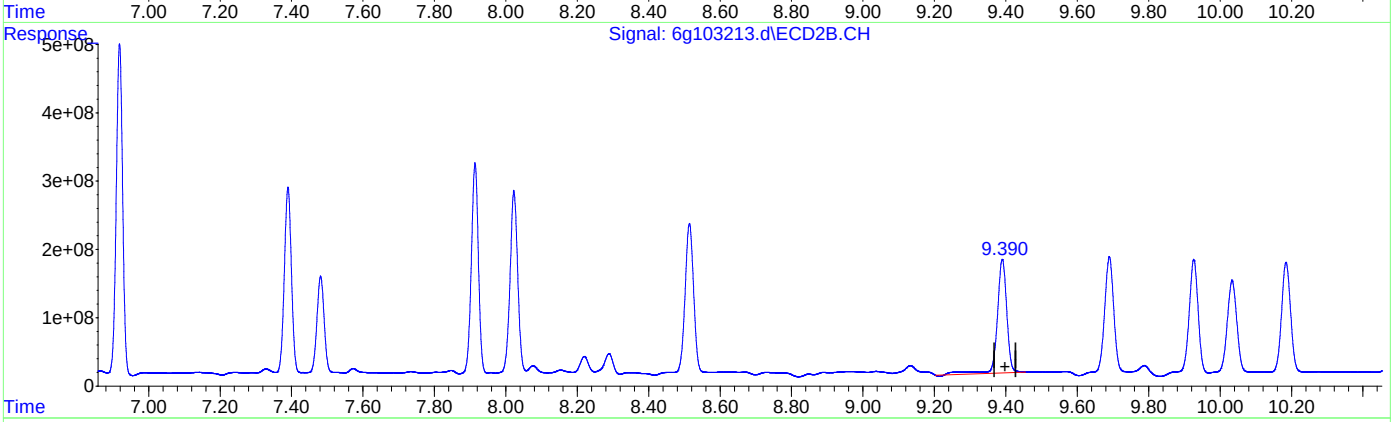
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\
Data File : 6g103213.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10-Dec-24, 02:17:06
Operator : rebeccak
Sample : cc3879-2.5
Misc : op59854,g6g3882,5.5,,,10,5
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 20:46:07 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Tue Dec 10 13:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(11) Heptachlor Epoxide (B)

7.914min 2.167 PPB

response 1809793694

(11) Heptachlor Epoxide #2 (B)

9.390min 2.496 PPB

response 3117653915

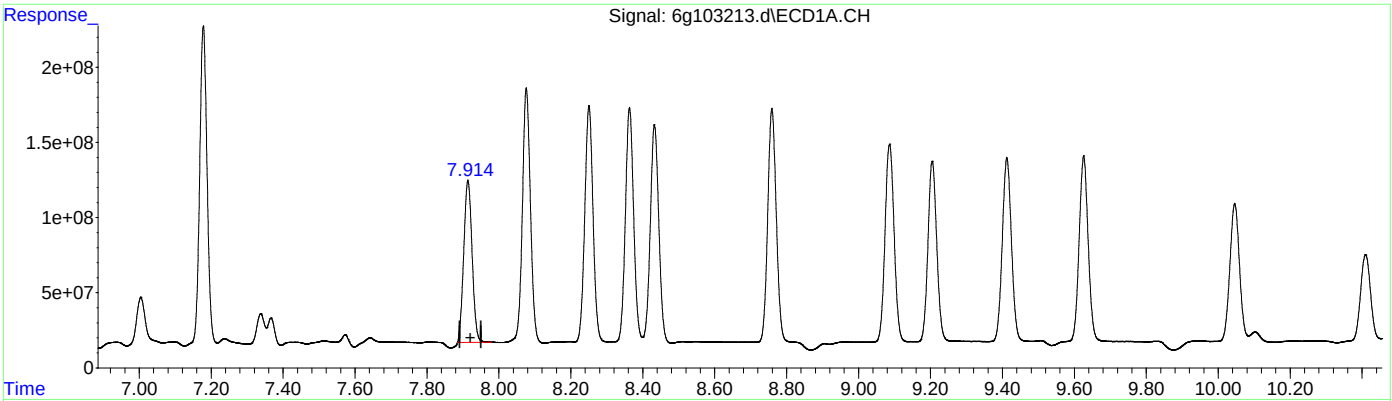
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\
Data File : 6g103213.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10-Dec-24, 02:17:06
Operator : rebeccak
Sample : cc3879-2.5
Misc : op59854,g6g3882,5.5,,,10,5
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 20:46:07 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Tue Dec 10 13:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



QEdit

(11) Heptachlor Epoxide (B)

7.914min 2.085 PPB m

response 1741041101

(11) Heptachlor Epoxide #2 (B)

9.390min 2.275 PPB m

response 2858748607

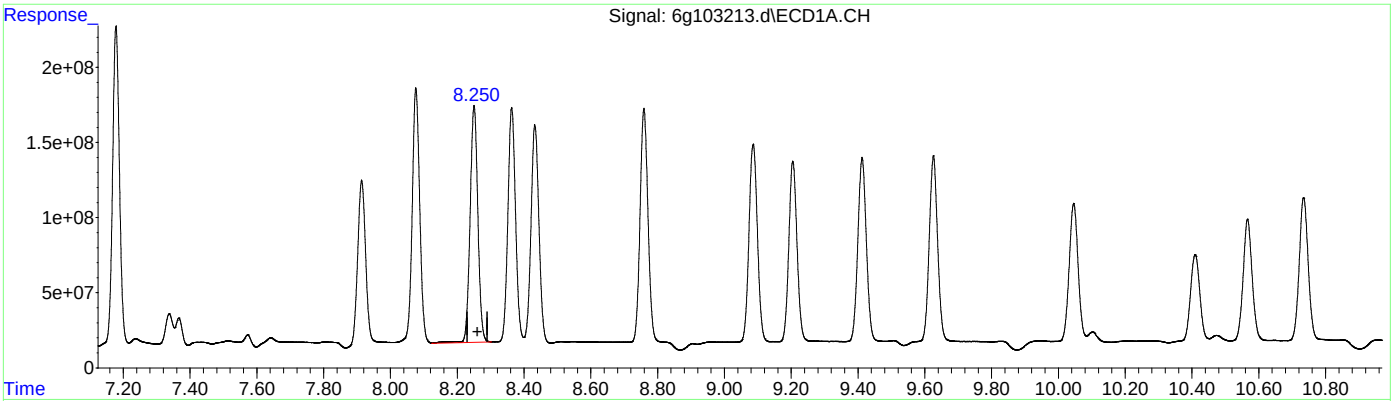
(+) = Expected Retention Time
6PSTLVI3879a.M Tue Dec 10 20:48:13 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\
Data File : 6g103213.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10-Dec-24, 02:17:06
Operator : rebeccak
Sample : cc3879-2.5
Misc : op59854,g6g3882,5.5,,,10,5
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 20:46:07 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Tue Dec 10 13:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



(13) alpha-Chlordane (B)

8.251min 2.433 PPB

response 2541673665

(13) alpha-Chlordane #2 (B)

9.927min 2.173 PPB

response 3104988725

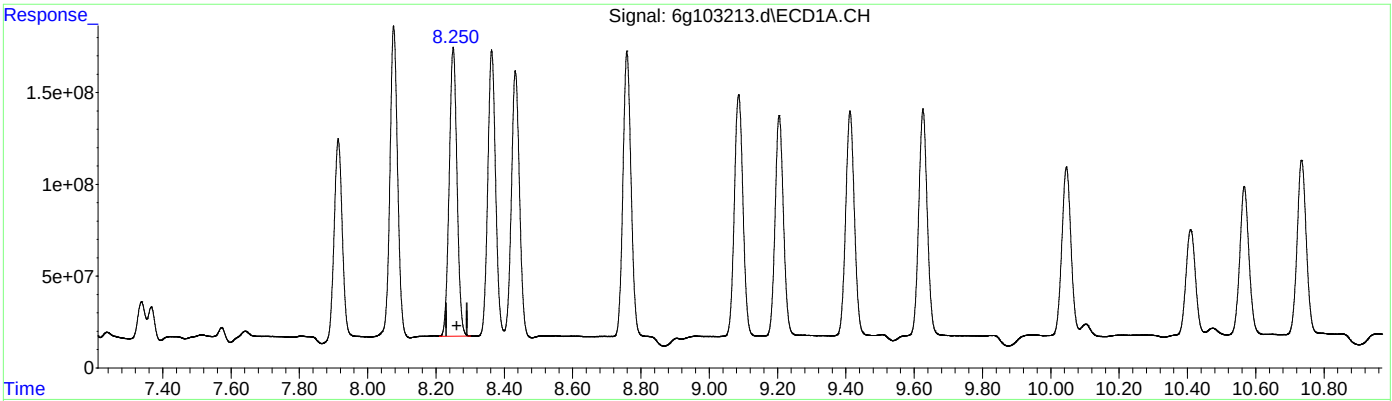
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\
Data File : 6g103213.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10-Dec-24, 02:17:06
Operator : rebeccak
Sample : cc3879-2.5
Misc : op59854,g6g3882,5.5,,,10,5
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 20:46:07 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Tue Dec 10 13:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



QEdit

(13) alpha-Chlordane (B)

8.250min 2.397 PPB m

response 2504281334

(13) alpha-Chlordane #2 (B)

9.926min 2.005 PPB m

response 2864563960

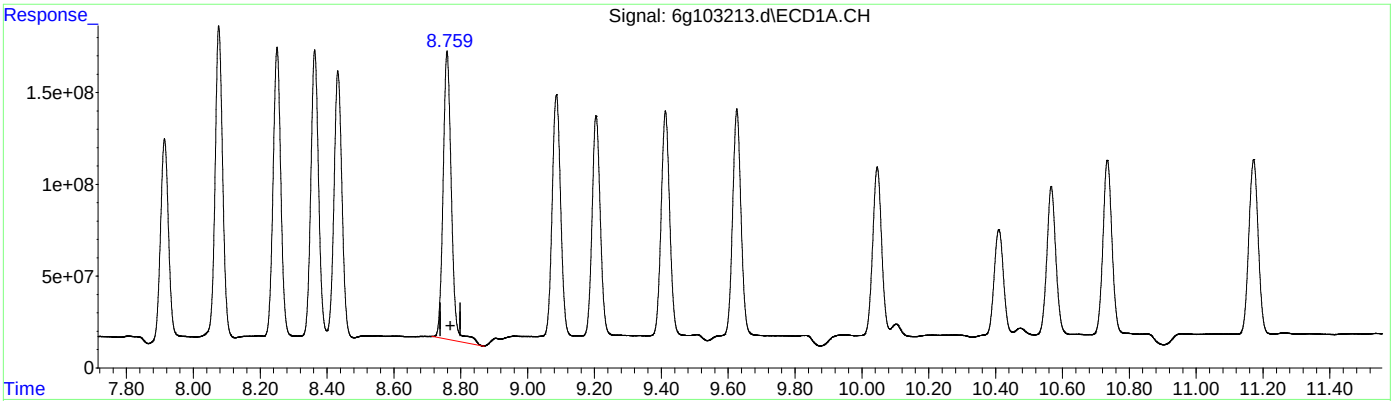
(+) = Expected Retention Time
6PSTLVI3879a.M Tue Dec 10 20:48:34 2024

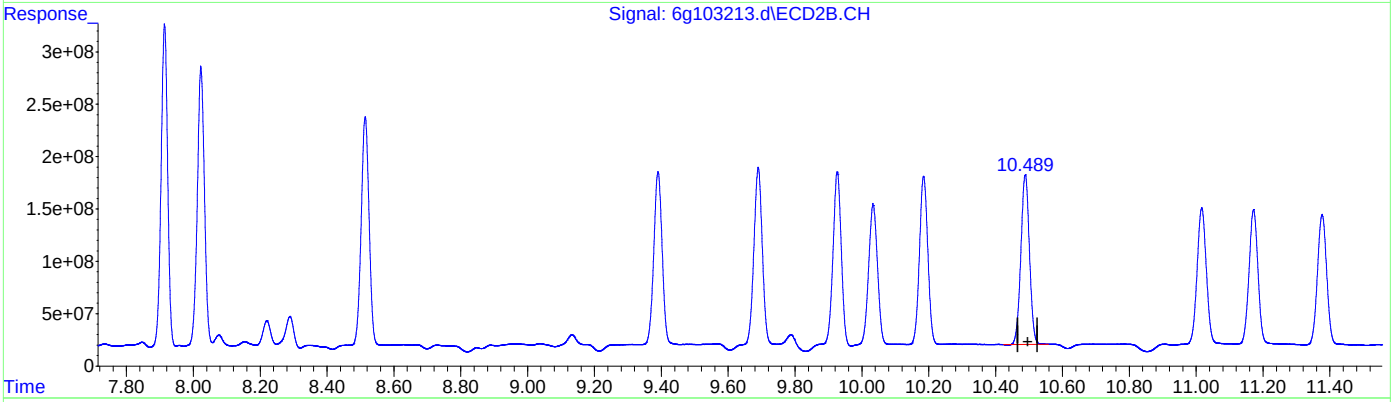
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\
Data File : 6g103213.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10-Dec-24, 02:17:06
Operator : rebeccak
Sample : cc3879-2.5
Misc : op59854,g6g3882,5.5,,,10,5
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 20:46:07 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Tue Dec 10 13:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(16) Dieldrin (MA)

8.759min 2.508 PPB

response 2729843949

(16) Dieldrin #2 (MA)

10.489min 2.274 PPB

response 2893488379

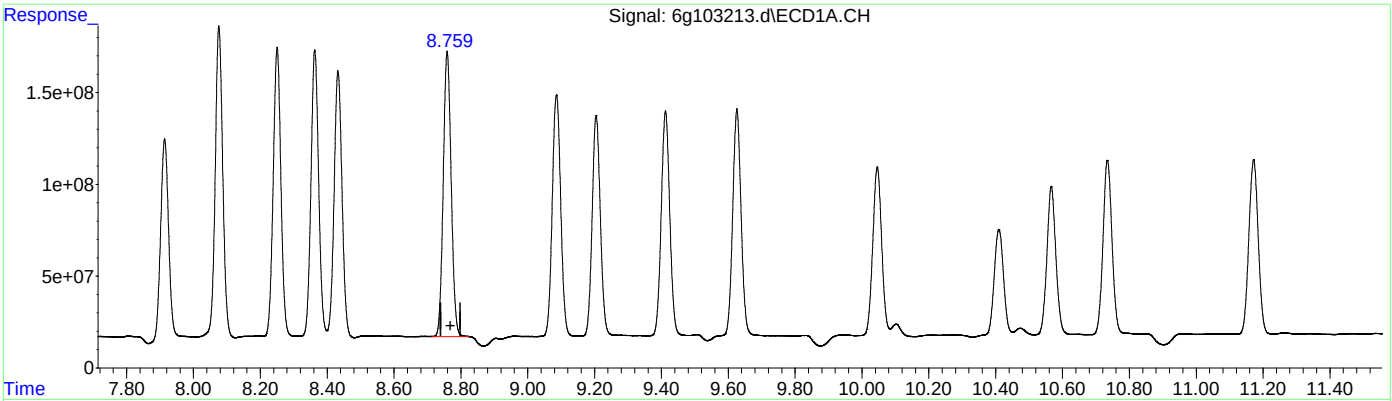
(+) = Expected Retention Time
6PSTLVI3879a.M Tue Dec 10 20:48:41 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\
Data File : 6g103213.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10-Dec-24, 02:17:06
Operator : rebeccak
Sample : cc3879-2.5
Misc : op59854,g6g3882,5.5,,,10,5
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 20:46:07 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Tue Dec 10 13:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



QEdit

(16) Dieldrin (MA)

8.759min 2.352 PPB m

response 2560343762

(16) Dieldrin #2 (MA)

10.489min 2.274 PPB

response 2893488379

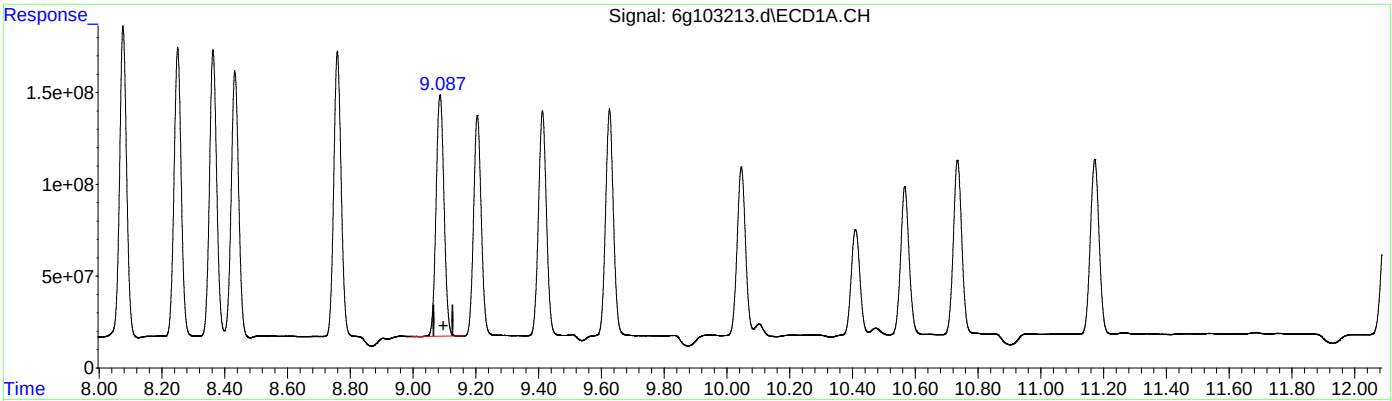
(+) = Expected Retention Time
6PSTLVI3879a.M Tue Dec 10 20:48:47 2024

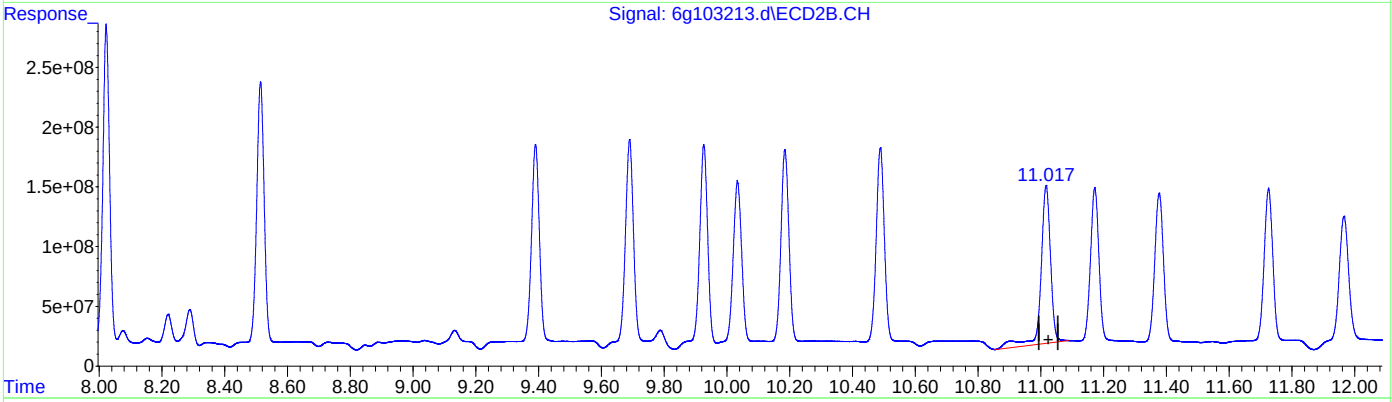
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\
Data File : 6g103213.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10-Dec-24, 02:17:06
Operator : rebeccak
Sample : cc3879-2.5
Misc : op59854,g6g3882,5.5,,,10,5
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 20:46:07 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Tue Dec 10 13:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(17) Endrin (MA)

9.087min 2.362 PPB

response 2308594192

(17) Endrin #2 (MA)

11.017min 2.543 PPB

response 2838530270

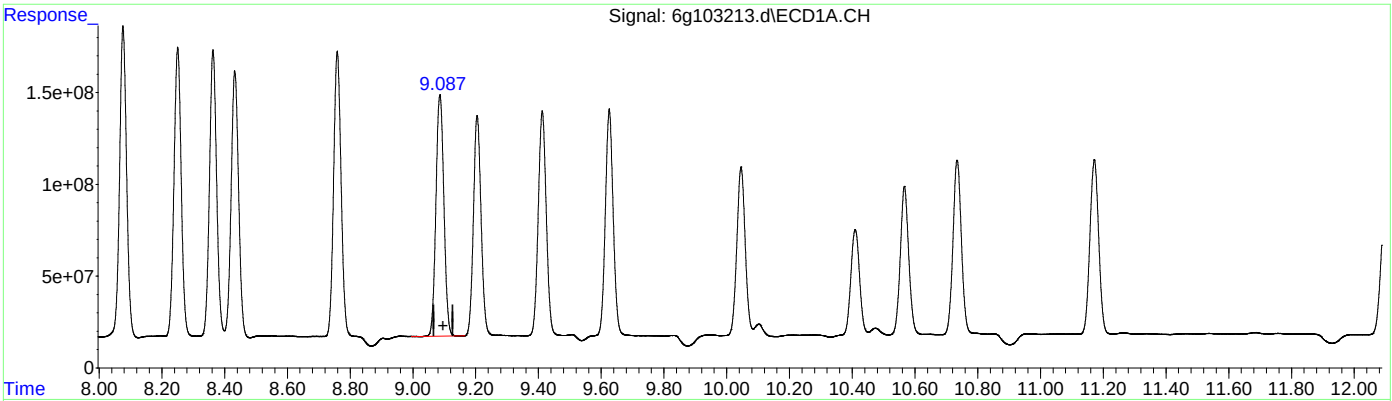
(+) = Expected Retention Time
6PSTLVI3879a.M Tue Dec 10 20:48:49 2024

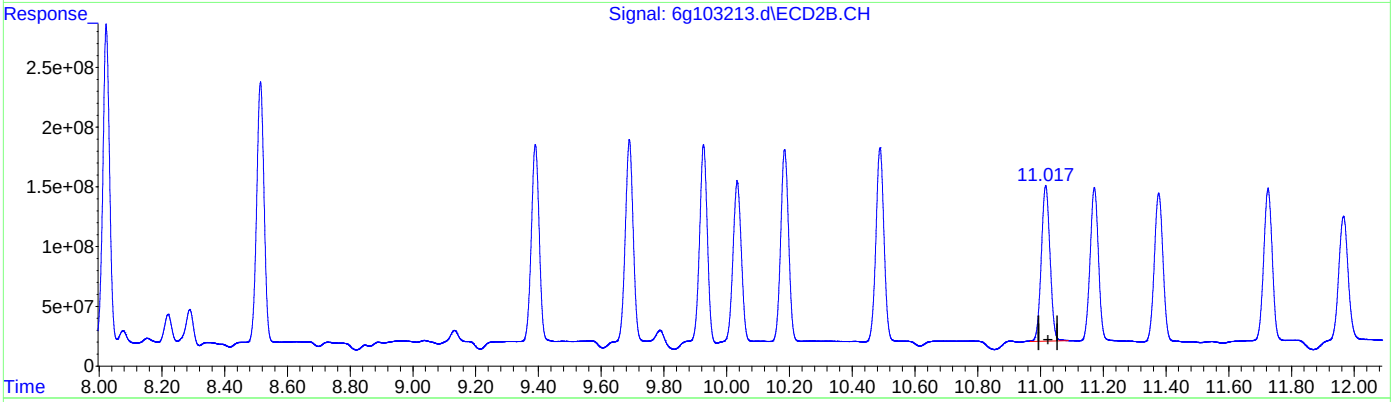
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\
Data File : 6g103213.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10-Dec-24, 02:17:06
Operator : rebeccak
Sample : cc3879-2.5
Misc : op59854,g6g3882,5.5,,,10,5
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 20:46:07 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Tue Dec 10 13:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(17) Endrin (MA)

9.087min 2.362 PPB

response 2308594192

(17) Endrin #2 (MA)

11.017min 2.214 PPB m

response 2495566362

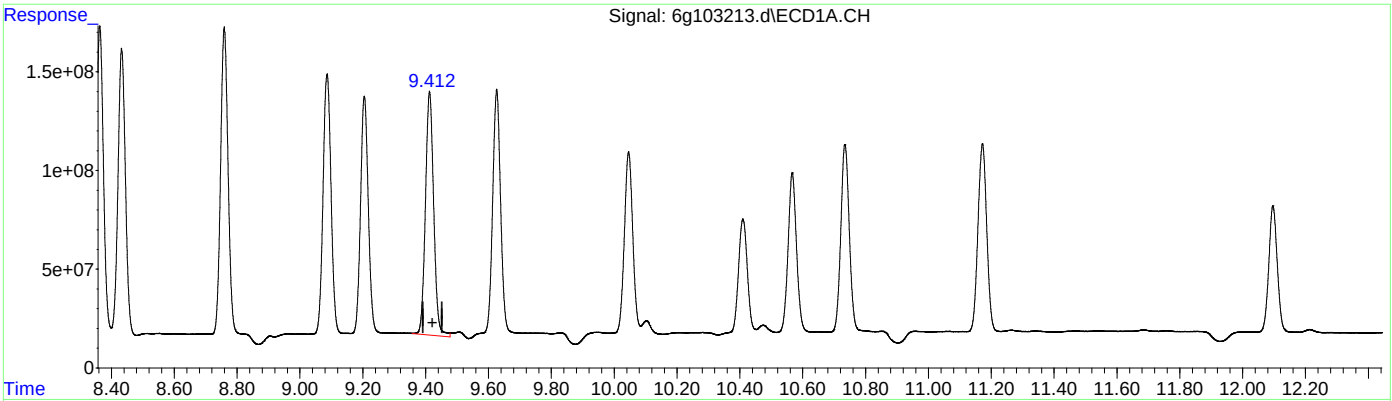
(+) = Expected Retention Time
6PSTLVI3879a.M Tue Dec 10 20:48:55 2024

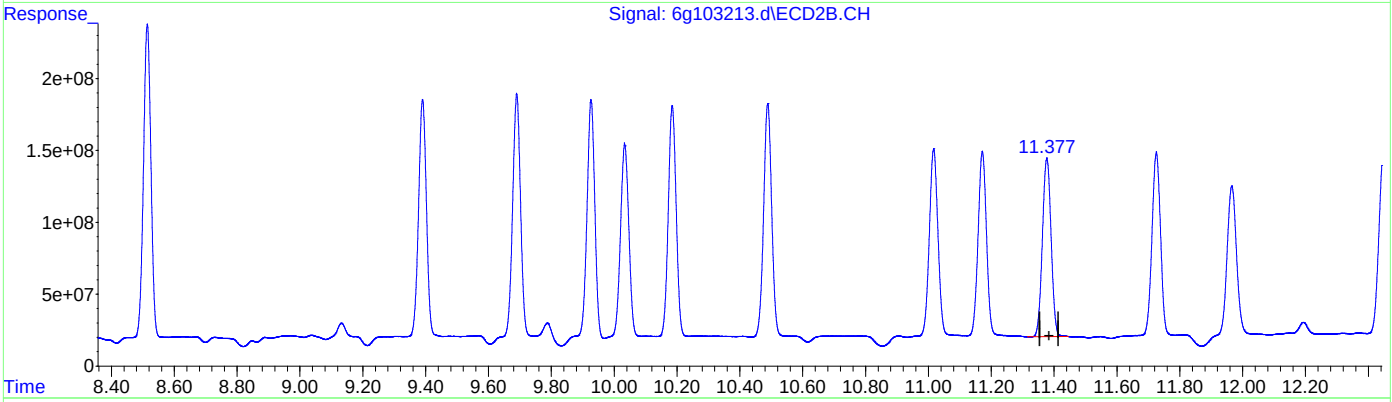
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\
Data File : 6g103213.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10-Dec-24, 02:17:06
Operator : rebeccak
Sample : cc3879-2.5
Misc : op59854,g6g3882,5.5,,,10,5
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 20:46:07 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Tue Dec 10 13:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(19) Endosulfan II (B)

9.413min 2.489 PPB

response 2237312996

(19) Endosulfan II #2 (B)

11.377min 2.139 PPB

response 2378424382

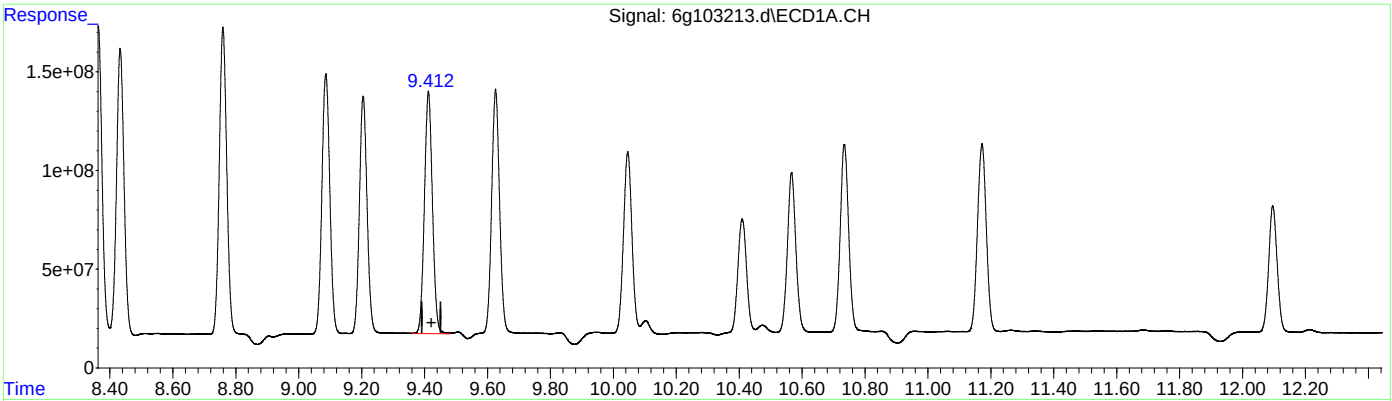
(+) = Expected Retention Time
6PSTLVI3879a.M Tue Dec 10 20:49:00 2024

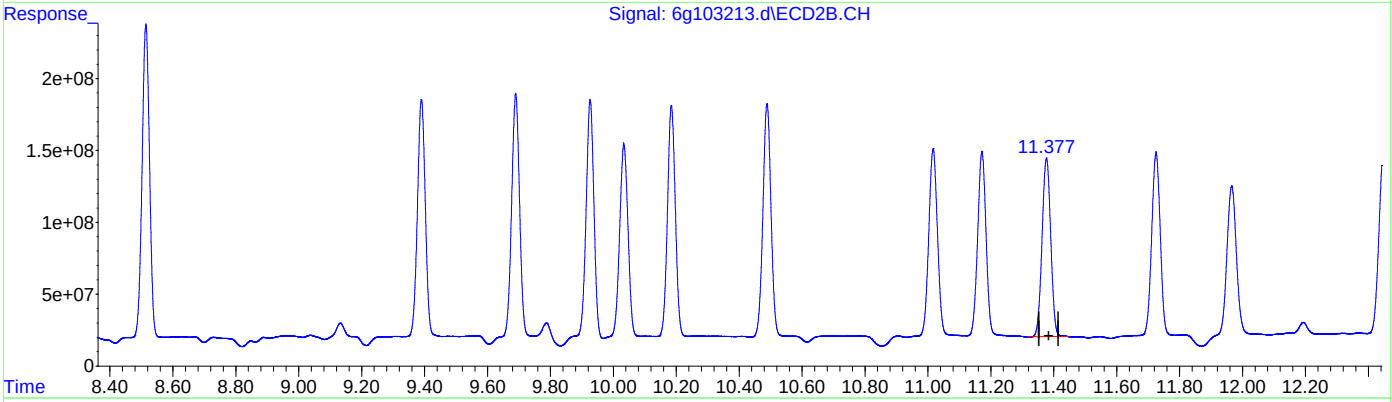
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\
Data File : 6g103213.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10-Dec-24, 02:17:06
Operator : rebeccak
Sample : cc3879-2.5
Misc : op59854,g6g3882,5.5,,,10,5
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 20:46:07 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Tue Dec 10 13:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(19) Endosulfan II (B)

9.412min 2.423 PPB m

response 2177887115

(19) Endosulfan II #2 (B)

11.377min 2.139 PPB

response 2378424382

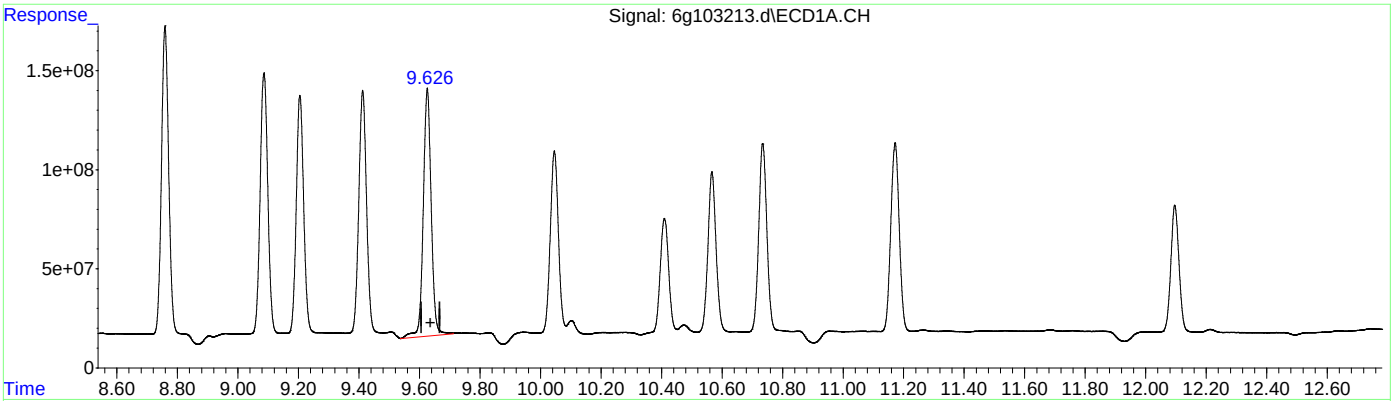
(+) = Expected Retention Time
6PSTLVI3879a.M Tue Dec 10 20:49:05 2024

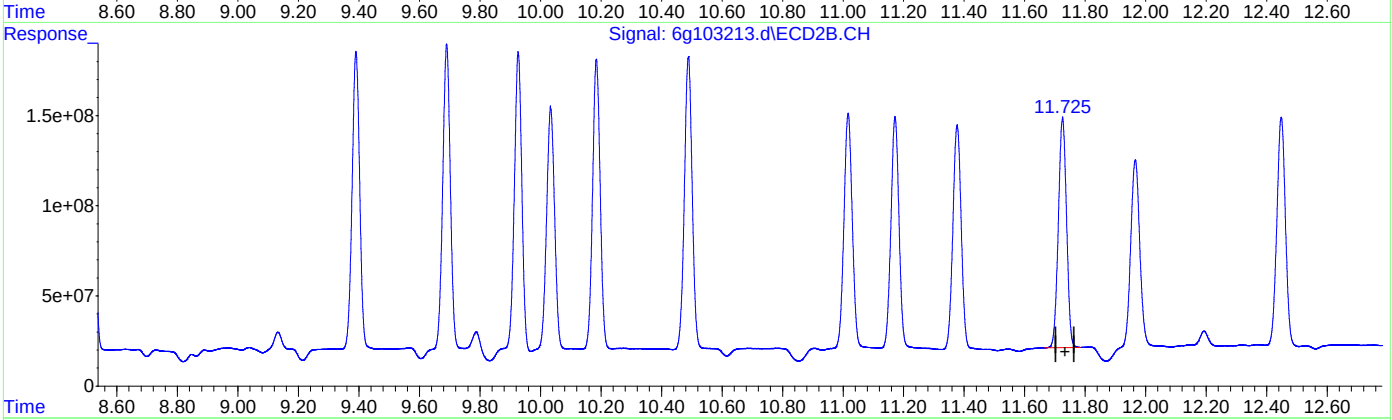
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\
Data File : 6g103213.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10-Dec-24, 02:17:06
Operator : rebeccak
Sample : cc3879-2.5
Misc : op59854,g6g3882,5.5,,,10,5
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 20:46:07 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Tue Dec 10 13:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(20) 4,4'-DDT (MA)

9.626min 2.616 PPB

response 2279231940

(20) 4,4'-DDT #2 (MA)

11.726min 2.092 PPB

response 2390879947

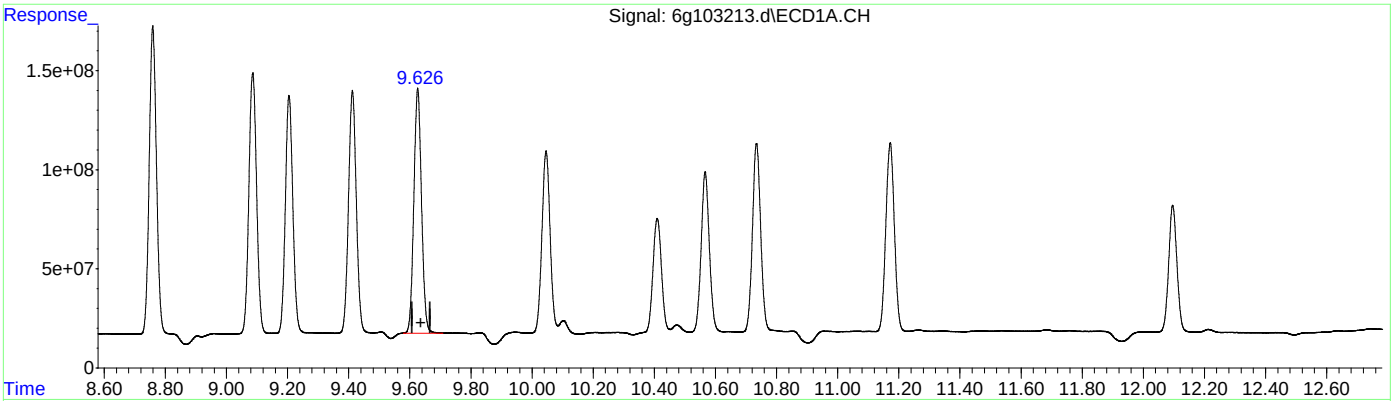
(+) = Expected Retention Time
6PSTLVI3879a.M Tue Dec 10 20:49:08 2024

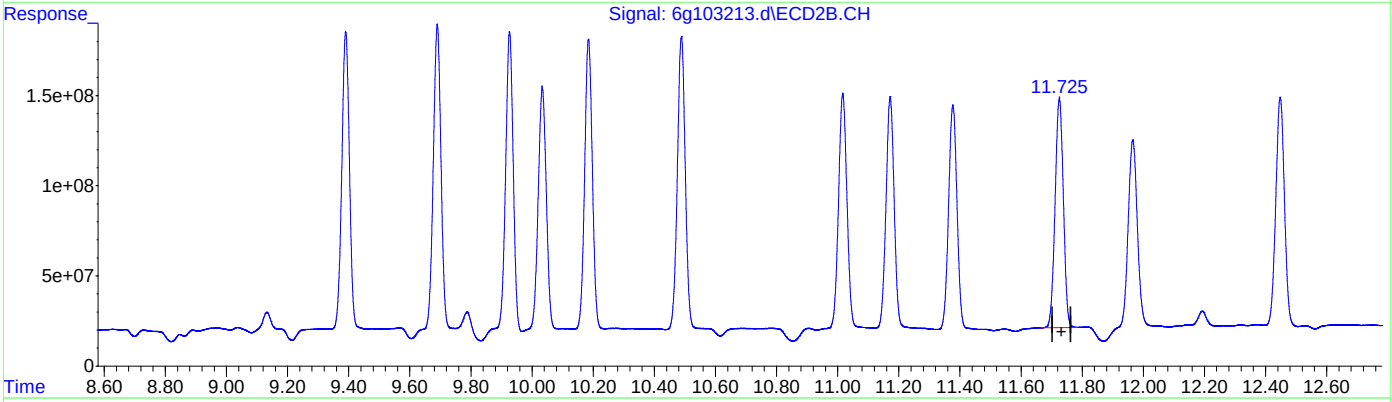
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\
Data File : 6g103213.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10-Dec-24, 02:17:06
Operator : rebeccak
Sample : cc3879-2.5
Misc : op59854,g6g3882,5.5,,,10,5
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 20:46:07 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Tue Dec 10 13:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(20) 4,4'-DDT (MA)

9.626min 2.465 PPB m

response 2147941210

(20) 4,4'-DDT #2 (MA)

11.726min 2.092 PPB

response 2390879947

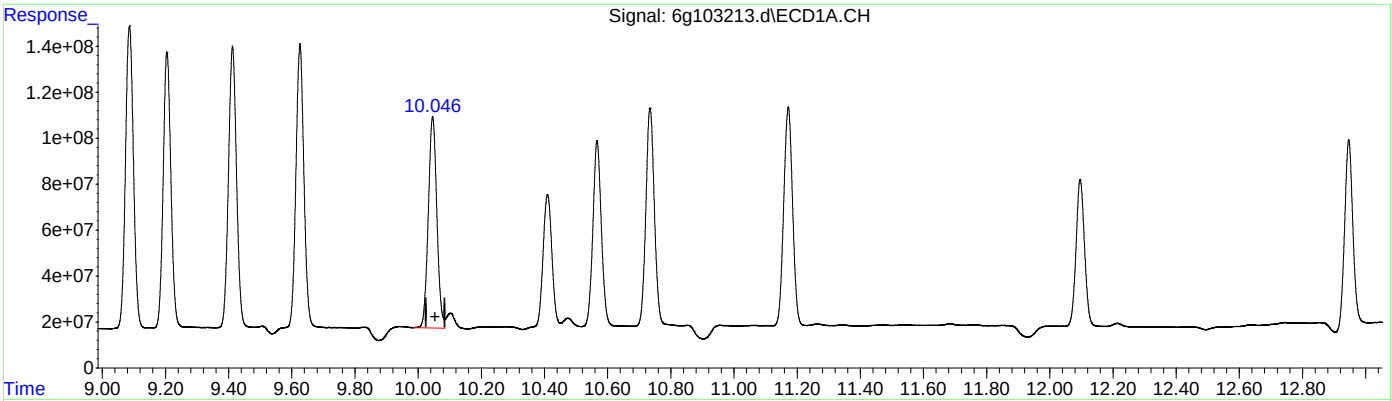
(+) = Expected Retention Time
6PSTLVI3879a.M Tue Dec 10 20:49:14 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\
Data File : 6g103213.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10-Dec-24, 02:17:06
Operator : rebeccak
Sample : cc3879-2.5
Misc : op59854,g6g3882,5.5,,,10,5
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 20:46:07 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Tue Dec 10 13:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



(21) Endrin Aldehyde (B)

10.046min 2.375 PPB

response 1728248743

(21) Endrin Aldehyde #2 (B)

11.966min 2.783 PPB

response 2449301104

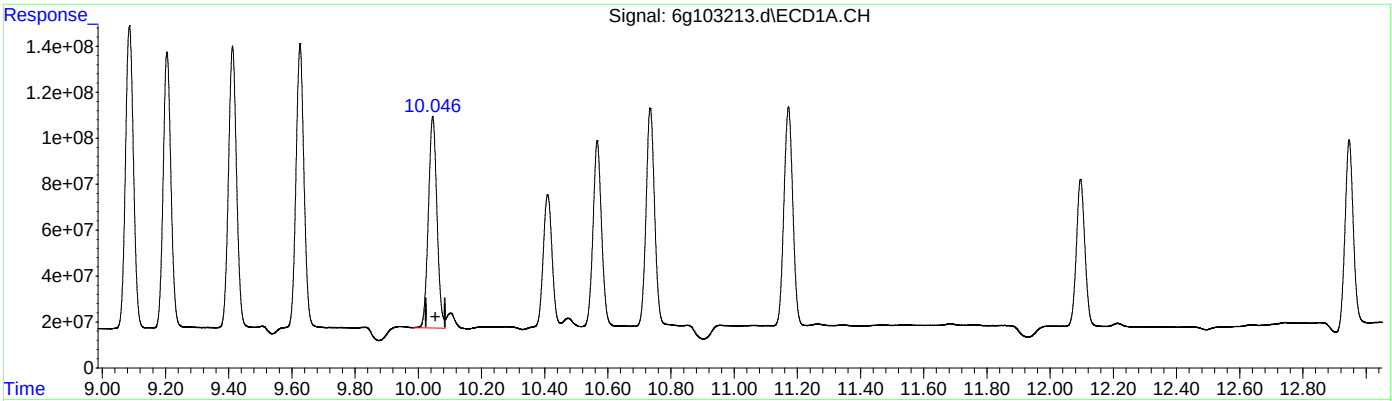
(+) = Expected Retention Time
6PSTLVI3879a.M Tue Dec 10 20:49:17 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\
Data File : 6g103213.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10-Dec-24, 02:17:06
Operator : rebeccak
Sample : cc3879-2.5
Misc : op59854,g6g3882,5.5,,,10,5
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 20:46:07 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Tue Dec 10 13:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um



(21) Endrin Aldehyde (B)

10.046min 2.375 PPB

response 1728248743

(21) Endrin Aldehyde #2 (B)

11.966min 2.431 PPB m

response 2167551097

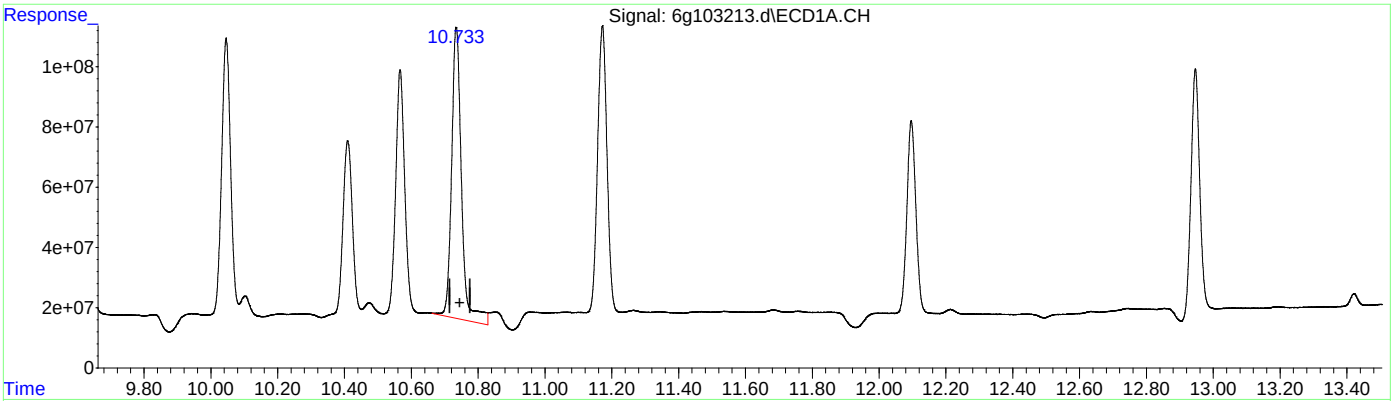
(+) = Expected Retention Time
6PSTLVI3879a.M Tue Dec 10 20:49:23 2024

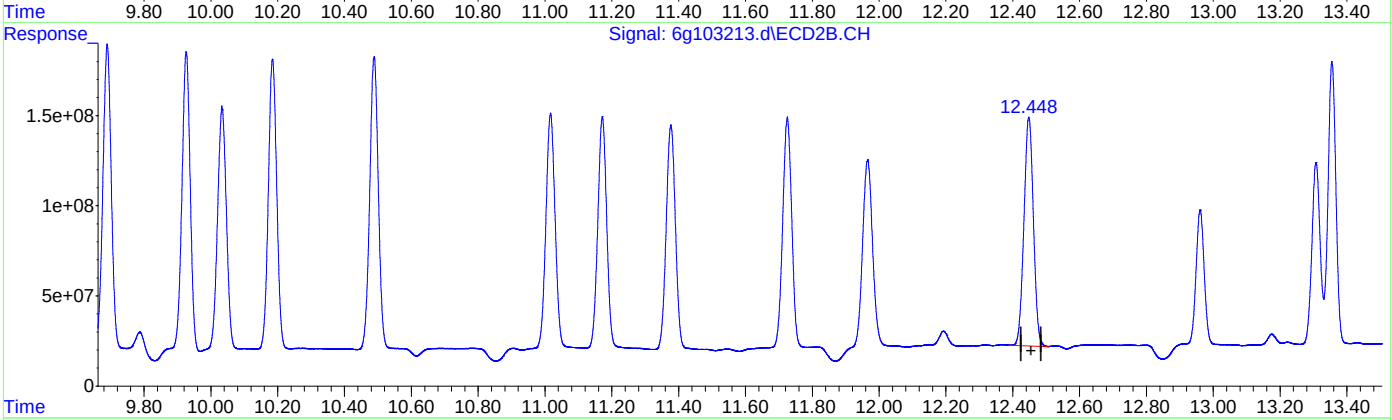
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\
Data File : 6g103213.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10-Dec-24, 02:17:06
Operator : rebeccak
Sample : cc3879-2.5
Misc : op59854,g6g3882,5.5,,,10,5
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 20:46:07 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Tue Dec 10 13:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(22) Endosulfan Sulfate (B)

10.734min 2.569 PPB

response 1985479721

(22) Endosulfan Sulfate #2 (B)

12.448min 2.217 PPB

response 2497167337

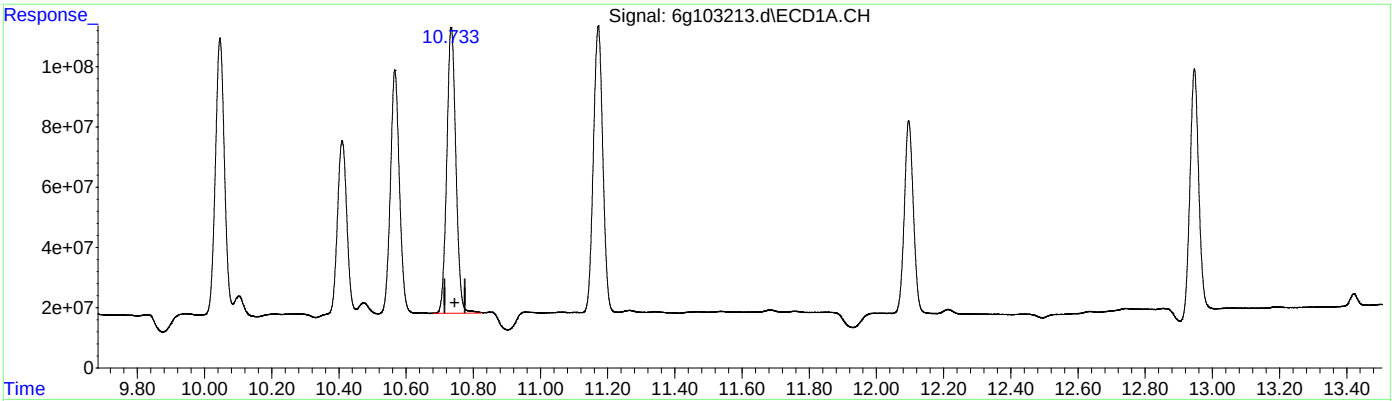
(+) = Expected Retention Time

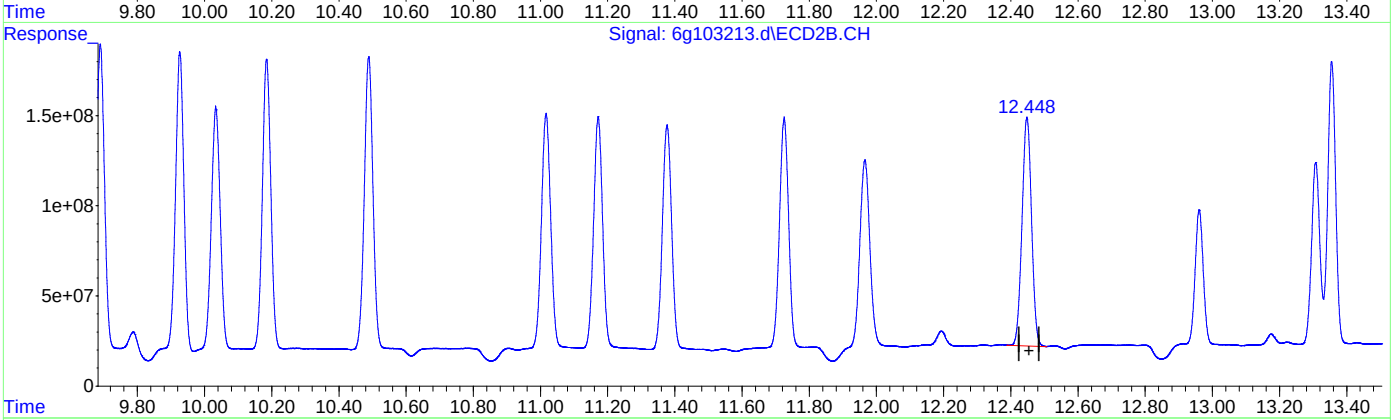
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\
Data File : 6g103213.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10-Dec-24, 02:17:06
Operator : rebeccak
Sample : cc3879-2.5
Misc : op59854,g6g3882,5.5,,,10,5
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 20:46:07 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Tue Dec 10 13:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(22) Endosulfan Sulfate (B)

10.733min 2.315 PPB m

response 1789186353

(22) Endosulfan Sulfate #2 (B)

12.448min 2.217 PPB

response 2497167337

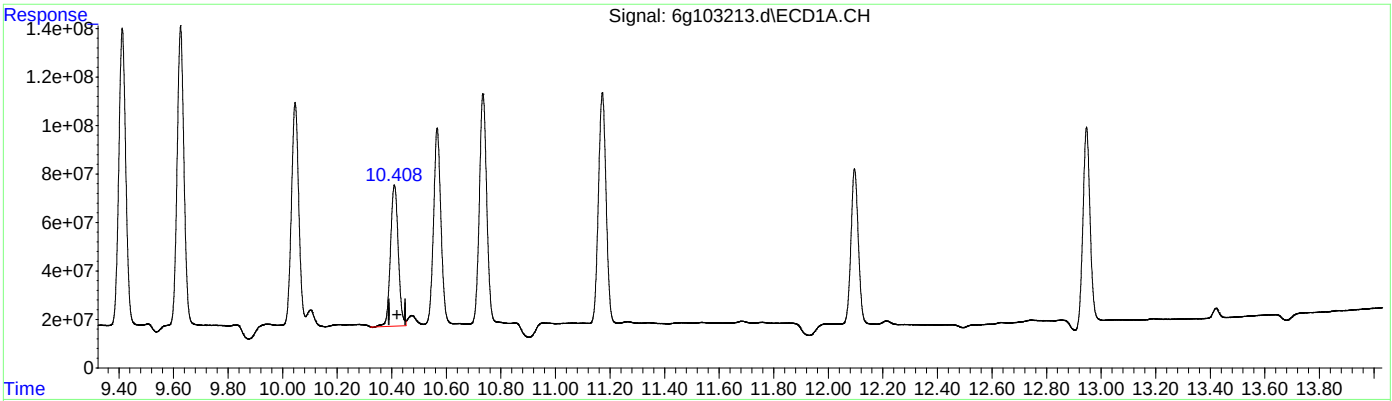
(+) = Expected Retention Time
6PSTLVI3879a.M Tue Dec 10 20:49:32 2024

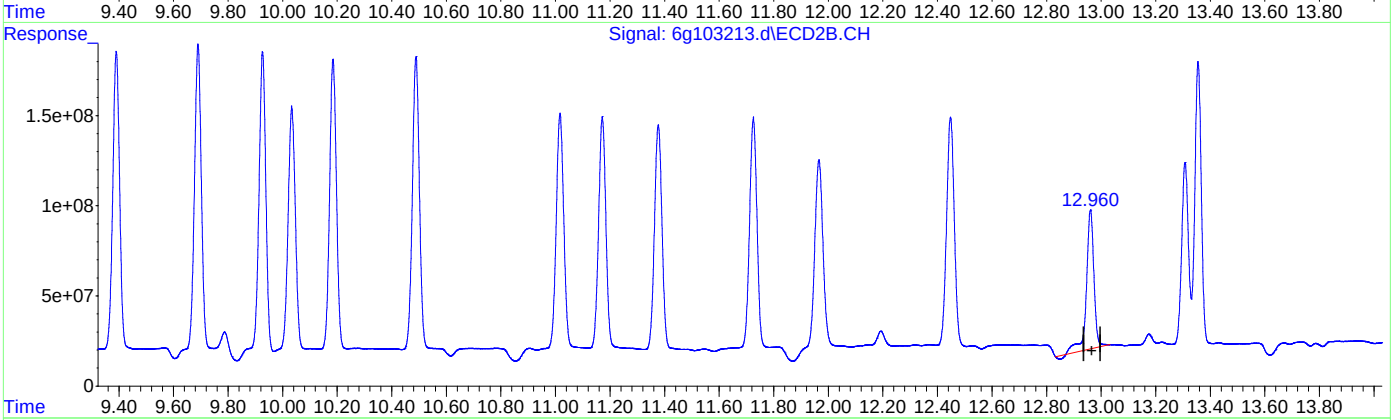
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\
Data File : 6g103213.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10-Dec-24, 02:17:06
Operator : rebeccak
Sample : cc3879-2.5
Misc : op59854,g6g3882,5.5,,,10,5
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 20:46:07 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Tue Dec 10 13:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(23) Methoxychlor (A)

10.410min 2.607 PPB

response 1155251208

(23) Methoxychlor #2 (A)

12.961min 2.497 PPB

response 1469499436

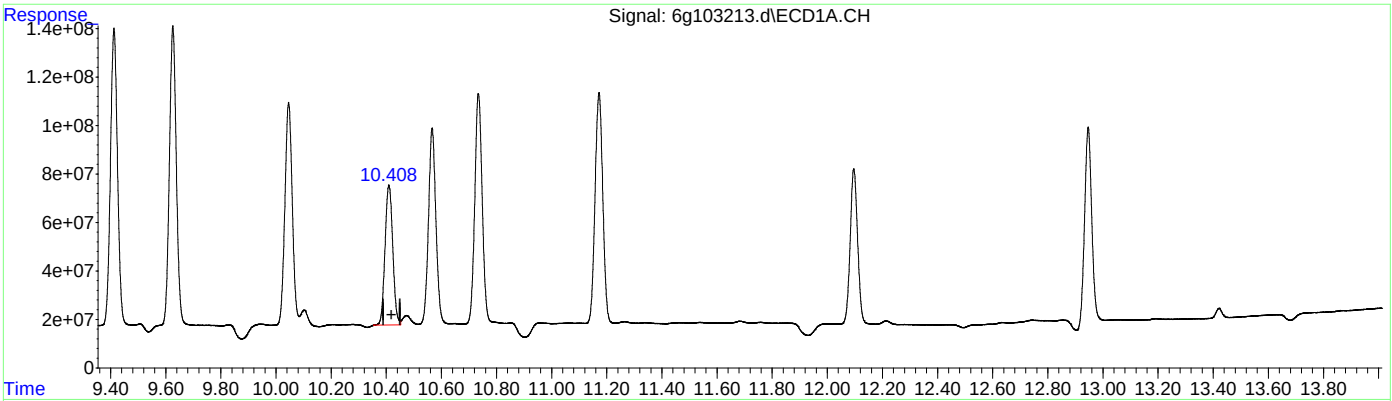
(+) = Expected Retention Time
6PSTLVI3879a.M Tue Dec 10 20:49:35 2024

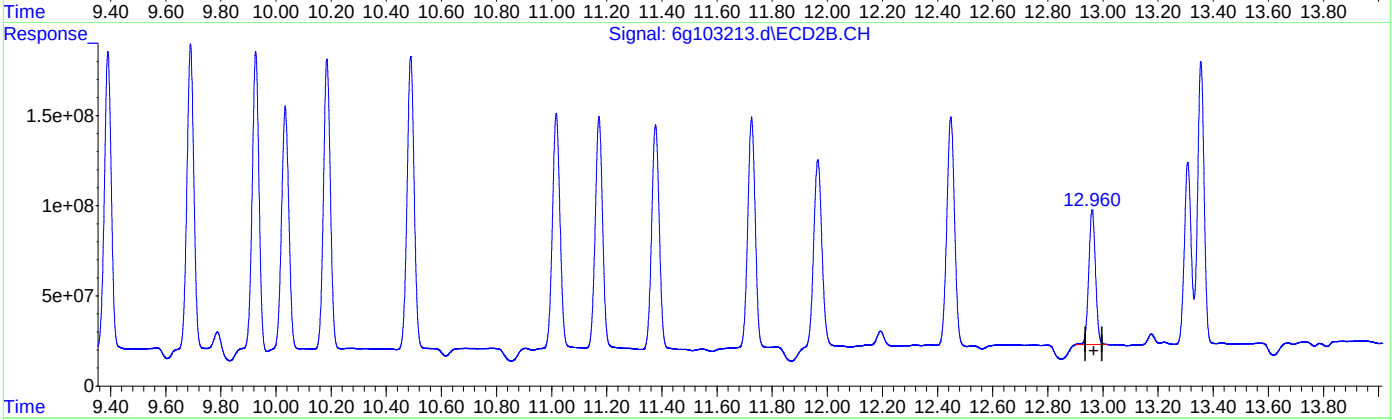
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\
Data File : 6g103213.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10-Dec-24, 02:17:06
Operator : rebeccak
Sample : cc3879-2.5
Misc : op59854,g6g3882,5.5,,,10,5
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 20:46:07 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Tue Dec 10 13:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(23) Methoxychlor (A)

10.408min 2.543 PPB m

response 1126699768

(23) Methoxychlor #2 (A)

12.960min 2.132 PPB m

response 1268622757

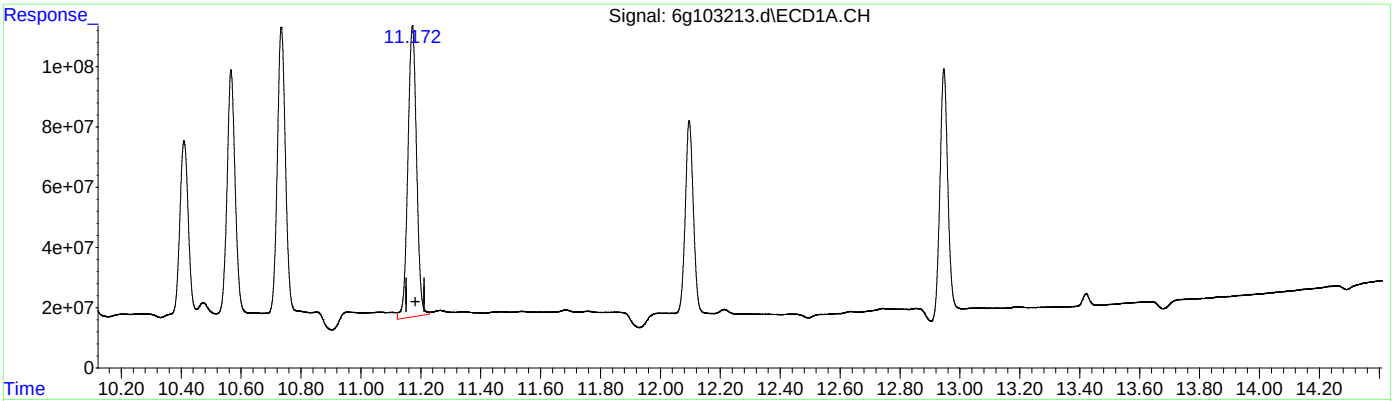
(+) = Expected Retention Time

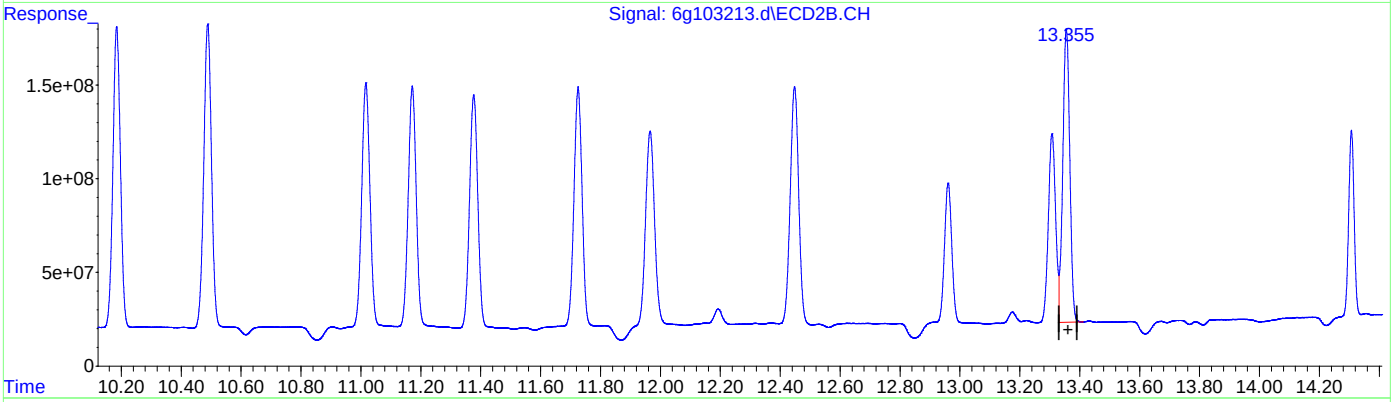
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\
Data File : 6g103213.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10-Dec-24, 02:17:06
Operator : rebeccak
Sample : cc3879-2.5
Misc : op59854,g6g3882,5.5,,,10,5
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 20:46:07 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Tue Dec 10 13:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(25) Endrin Ketone (B)

11.172min 2.247 PPB

response 1942831536

(25) Endrin Ketone #2 (B)

13.355min 1.788 PPB

response 2555870877

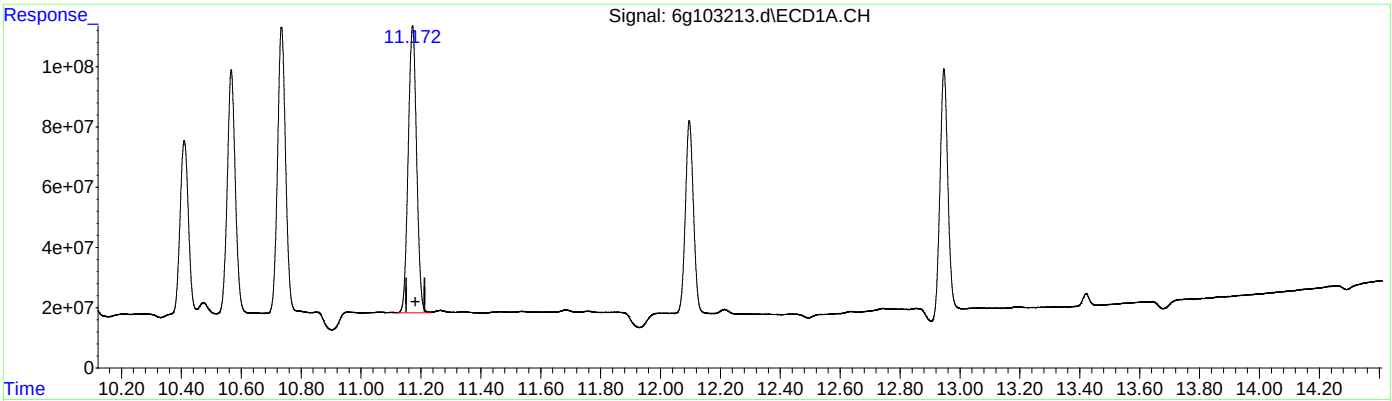
(+) = Expected Retention Time
6PSTLVI3879a.M Tue Dec 10 20:49:55 2024

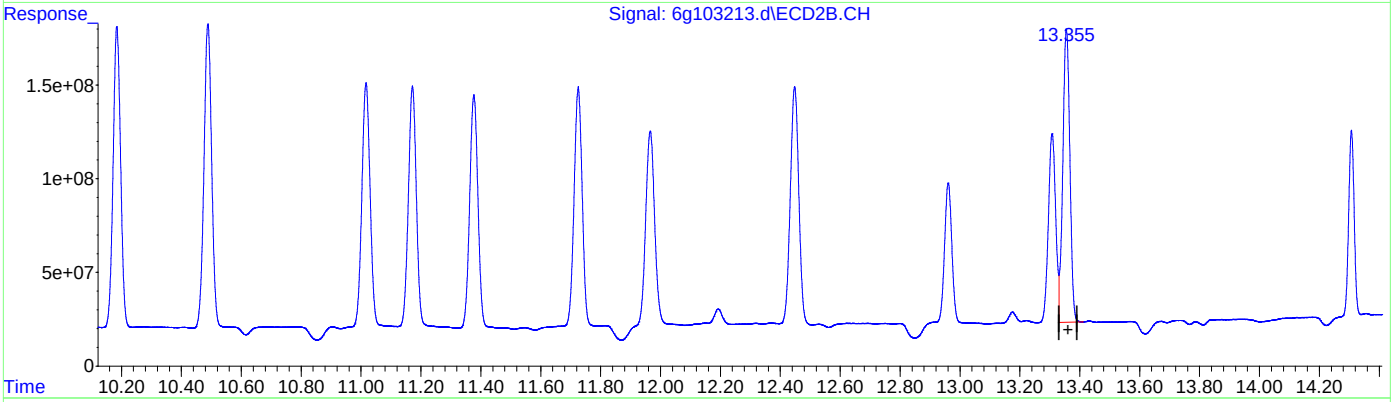
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\
Data File : 6g103213.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10-Dec-24, 02:17:06
Operator : rebeccak
Sample : cc3879-2.5
Misc : op59854,g6g3882,5.5,,,10,5
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 20:46:07 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Tue Dec 10 13:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(25) Endrin Ketone (B)

11.172min 2.149 PPB m

response 1858457204

(25) Endrin Ketone #2 (B)

13.355min 1.788 PPB

response 2555870877

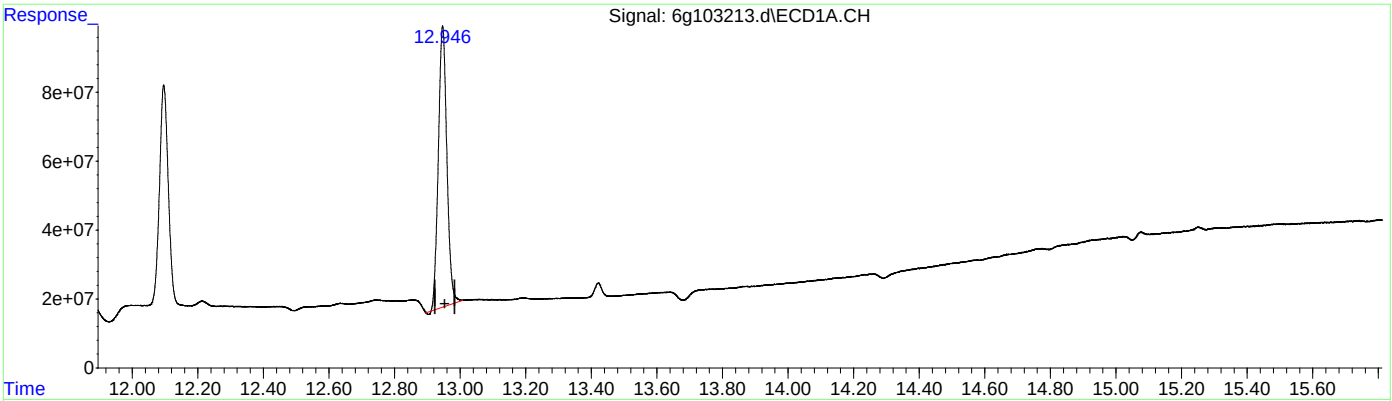
(+) = Expected Retention Time
6PSTLVI3879a.M Tue Dec 10 20:50:00 2024

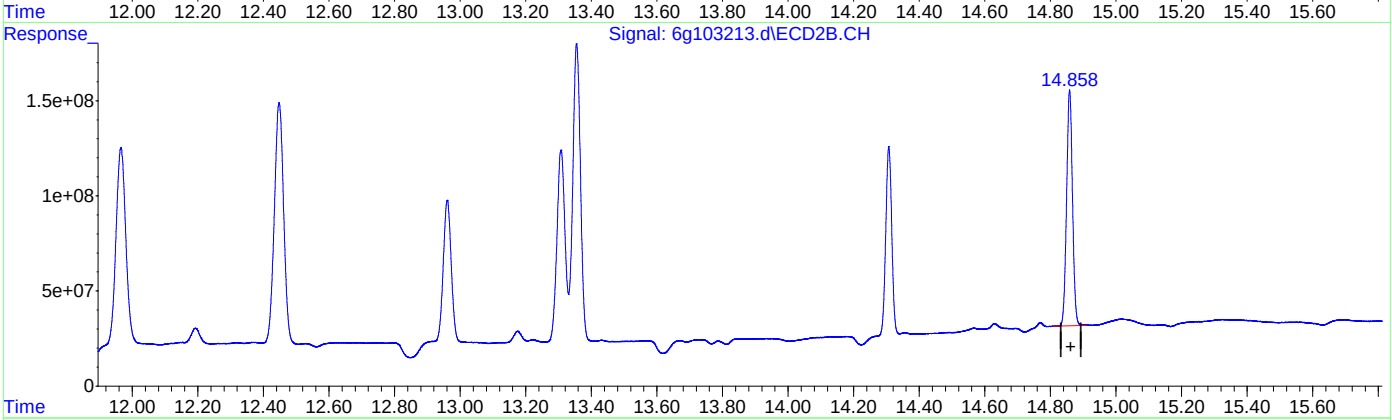
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\
Data File : 6g103213.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10-Dec-24, 02:17:06
Operator : rebeccak
Sample : cc3879-2.5
Misc : op59854,g6g3882,5.5,,,10,5
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 20:46:07 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Tue Dec 10 13:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(26) Decachlorobiphenyl (SA)

12.947min 2.191 PPB

response 1473239171

(26) Decachlorobiphenyl #2 (SA)

14.859min 1.252 PPB

response 1541118058

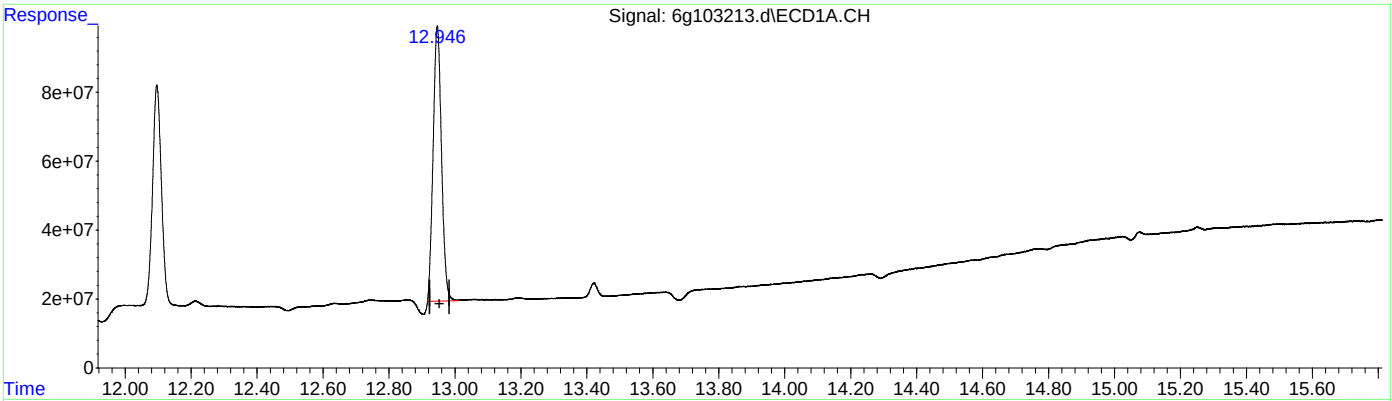
(+) = Expected Retention Time
6PSTLVI3879a.M Tue Dec 10 20:50:03 2024

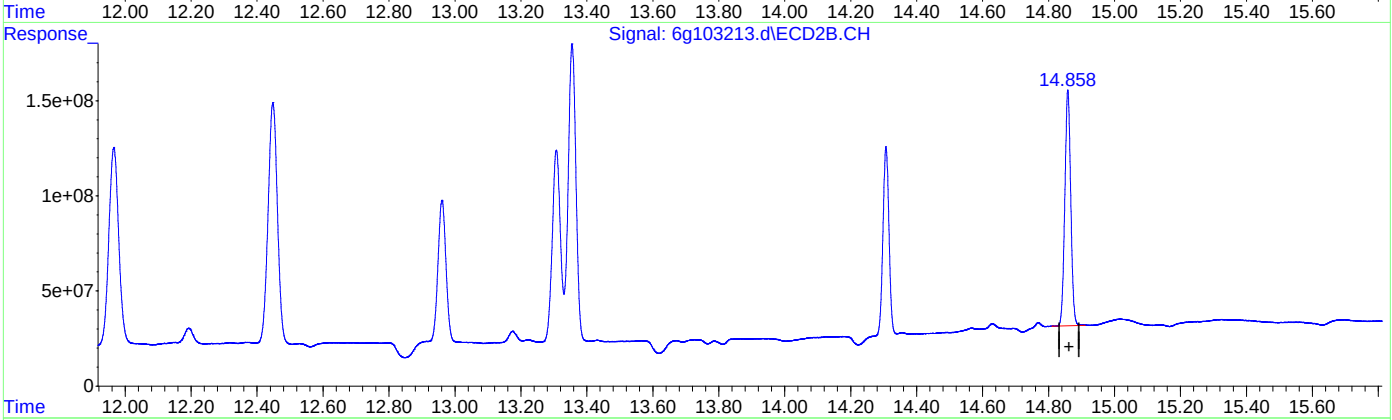
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\
Data File : 6g103213.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10-Dec-24, 02:17:06
Operator : rebeccak
Sample : cc3879-2.5
Misc : op59854,g6g3882,5.5,,,10,5
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 20:46:07 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\carlos\g6g3882\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Tue Dec 10 13:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





QEdit

(26) Decachlorobiphenyl (SA)

12.946min 2.093 PPB m

response 1407146253

(26) Decachlorobiphenyl #2 (SA)

14.859min 1.252 PPB

response 1541118058

(+) = Expected Retention Time
6PSTLVI3879a.M Tue Dec 10 20:50:11 2024

Manual Integrations APPROVED
(compounds with "m" flag)
Gwendolyn Burns
09/24/24 10:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60342.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 11:35 am
Operator : rebeccak
Sample : ic2596-0.1 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 21:42:01 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB	
		Internal Standards							
1)	I	1-bromo-2...	2.420	2.793	267.0E6	642.4E6	5.000	5.000	
27)	I	1-bromo-2...	2.420	2.793	267.0E6	642.4E6	5.000	5.000	
33)	I	1-bromo-2...	2.420	2.793	267.0E6	642.4E6	5.000	5.000	
		System Monitoring Compounds							
2)	SAB	Tetrachlo...	2.971	3.682	5214801	19501606	0.090	0.116	#
		Spiked Amount	40.000	Range	30 - 150	Recovery	=	0.22%#	0.29%#
26)	SA	Decachlor...	10.674	13.072	6200271	10783316	0.108	0.112	
		Spiked Amount	40.000			Recovery	=	0.27%	0.28%
		Target Compounds							
3)		hexachlor...	3.317	4.262	7712690	21144753	0.077	0.110	#
4)	A	alpha-BHC	3.468	4.429	5599956	21588963	0.051	0.072	#
5)	MA	gamma-BHC	3.787	4.917	5799488	19274995	0.057	0.081	#
6)	MA	Heptachlor	4.323	5.587	6966211	17473777	0.071	0.086	
7)	B	beta-BHC	3.862	4.996	3306368	11374611	0.067	0.089	#
8)	B	delta-BHC	4.066	5.448	5889102	18788481	0.054	0.076	#
9)	MB	Aldrin	4.692	6.100	5712334	17732812	0.063	0.082	#
11)	B	Heptachlo...	5.470	6.993	5918754	17075899	0.064	0.082	#
12)	B	gamma-Chl...	5.641	7.300	7282158	16118115	0.081	0.079	
13)	B	alpha-Chl...	5.826	7.542	5525525	16548361	0.062	0.082	#
14)	A	Endosulfan I	6.027	7.655	5481643	15014847	0.066	0.080	
15)	B	4,4'-DDE	5.927	7.792	5753312	15870692	0.061	0.077	#
16)	MA	Dieldrin	6.370	8.118	6266766	16483771	0.073	0.073	
17)	MA	Endrin	6.720	8.654	4273716	11243457	0.070	0.083	
18)	A	4,4'-DDD	6.820	8.790	5291556	15714384	0.049	0.063	#
19)	B	Endosulfa...	7.060	9.013	5401419	13883331	0.067	0.078	
20)	MA	4,4'-DDT	7.260	9.356	4777329	10354115	0.068	0.078	
21)	B	Endrin Al...	7.724	9.602	4953167	12963399	0.072	0.089	
22)	B	Endosulfa...	8.443	10.086	5271223	12861966	0.069	0.078	
23)	A	Methoxychlor	8.057	10.585	3201299	5829128	0.081m	0.092m	
24)		Mirex	8.260	11.022f	5085281	7716912	0.089	0.078m	
25)	B	Endrin Ke...	8.902	11.052	7146066	14498339	0.076	0.066m	

SemiQuant Compounds - Not Calibrated on this Instrument

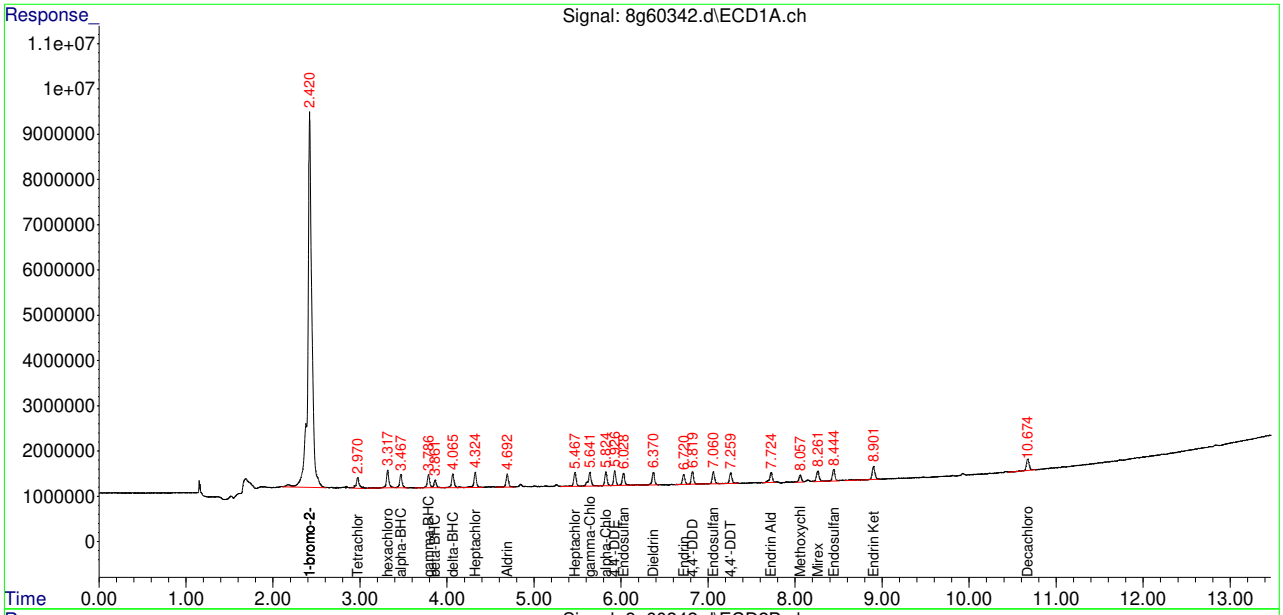
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

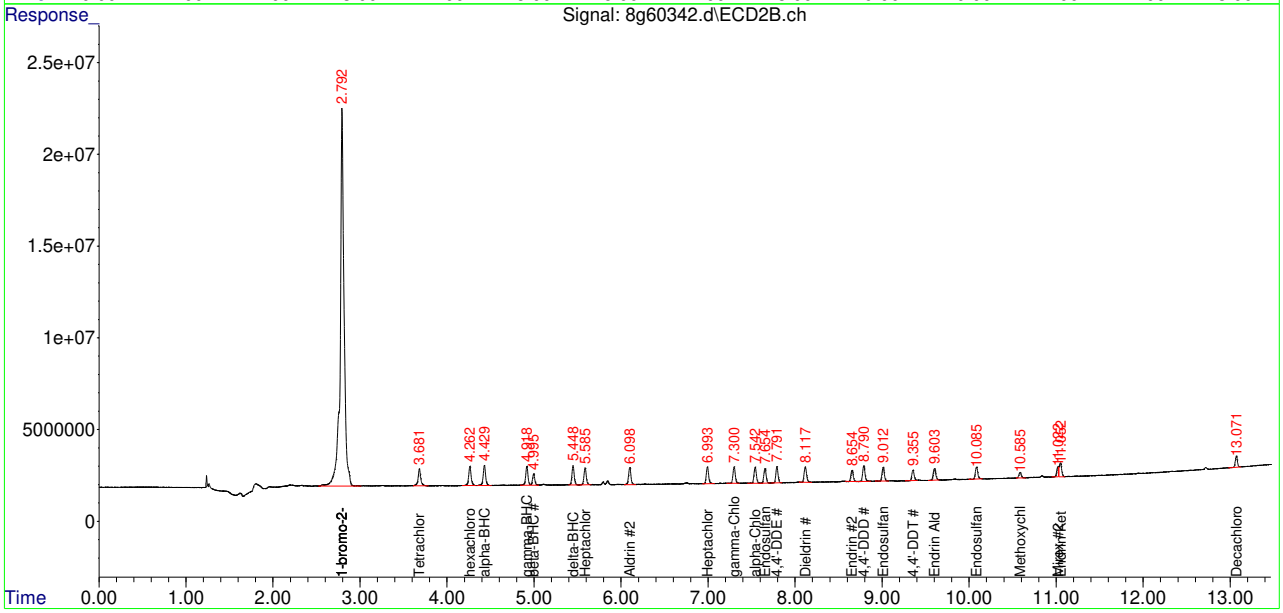
Quantitation Report (QT Reviewed)

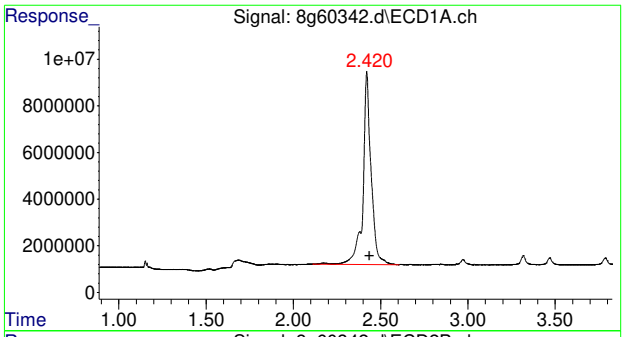
Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60342.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 11:35 am
Operator : rebeccak
Sample : ic2596-0.1 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 21:42:01 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

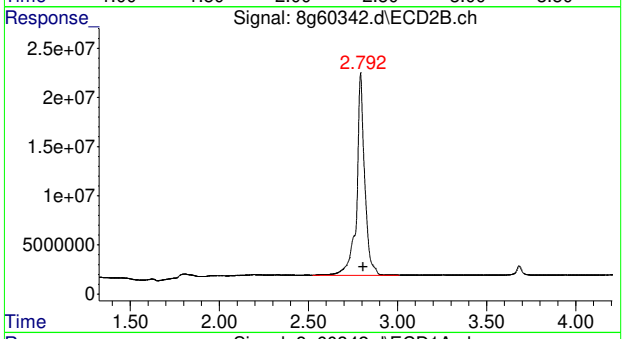






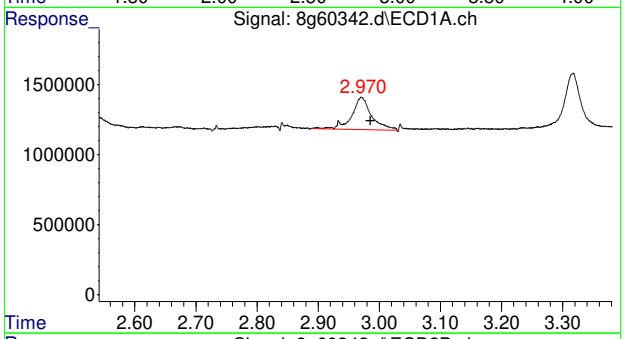
#1 1-bromo-2-nitrobenzene

R.T.: 2.420 min
Delta R.T.: -0.017 min
Response: 267019405
Conc: 5.00 PPB



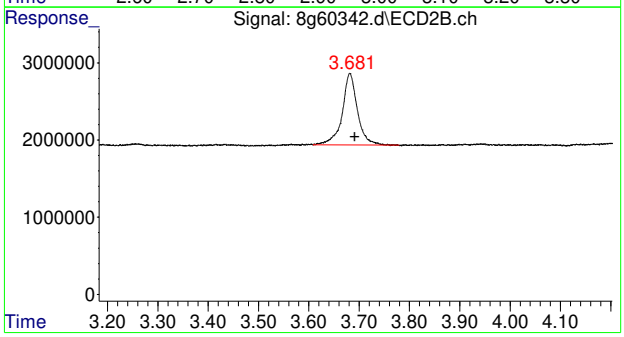
#1 1-bromo-2-nitrobenzene

R.T.: 2.793 min
Delta R.T.: -0.014 min
Response: 642375983
Conc: 5.00 PPB



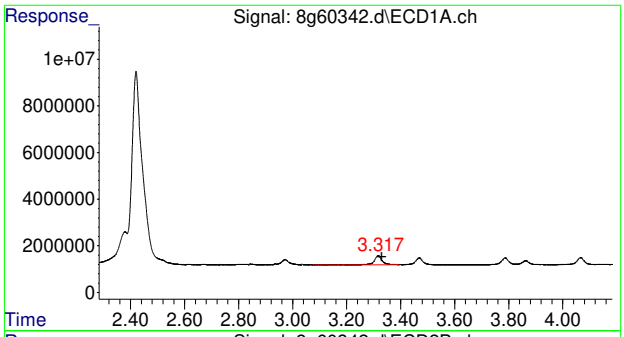
#2 Tetrachloro-m-xylene

R.T.: 2.971 min
Delta R.T.: -0.015 min
Response: 5214801
Conc: 0.09 PPB



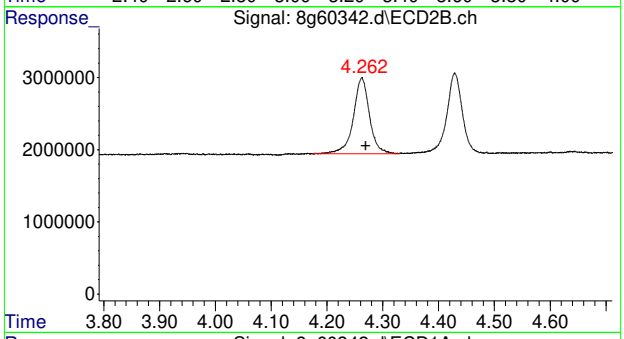
#2 Tetrachloro-m-xylene

R.T.: 3.682 min
Delta R.T.: -0.010 min
Response: 19501606
Conc: 0.12 PPB



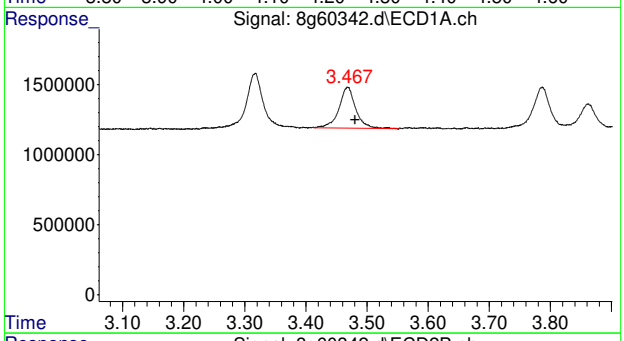
#3 hexachlorobenzene

R.T.: 3.317 min
Delta R.T.: -0.012 min
Response: 7712690
Conc: 0.08 PPB



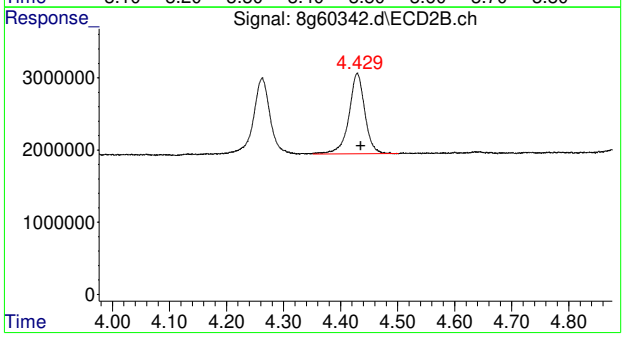
#3 hexachlorobenzene

R.T.: 4.262 min
Delta R.T.: -0.007 min
Response: 21144753
Conc: 0.11 PPB



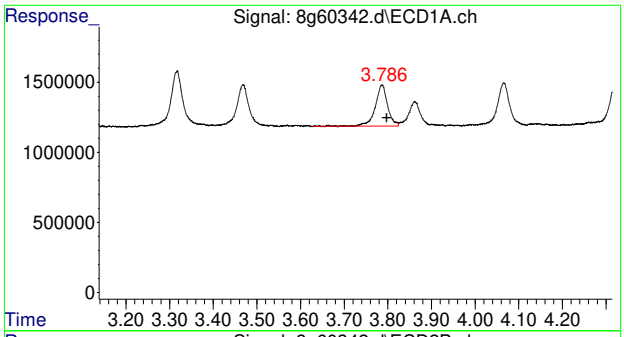
#4 alpha-BHC

R.T.: 3.468 min
Delta R.T.: -0.012 min
Response: 5599956
Conc: 0.05 PPB



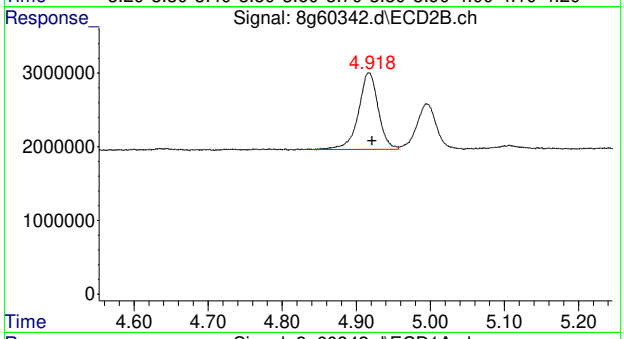
#4 alpha-BHC

R.T.: 4.429 min
Delta R.T.: -0.006 min
Response: 21588963
Conc: 0.07 PPB



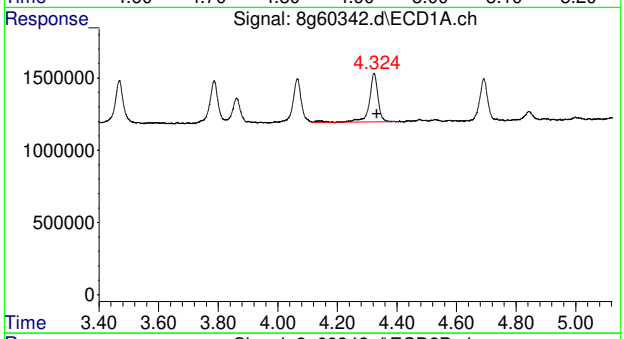
#5 gamma-BHC

R.T.: 3.787 min
Delta R.T.: -0.010 min
Response: 5799488
Conc: 0.06 PPB



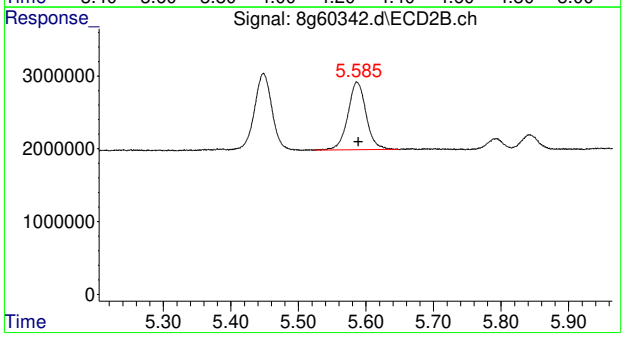
#5 gamma-BHC

R.T.: 4.917 min
Delta R.T.: -0.004 min
Response: 19274995
Conc: 0.08 PPB



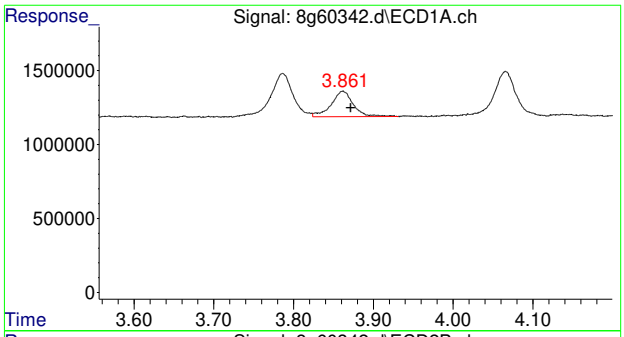
#6 Heptachlor

R.T.: 4.323 min
Delta R.T.: -0.009 min
Response: 6966211
Conc: 0.07 PPB



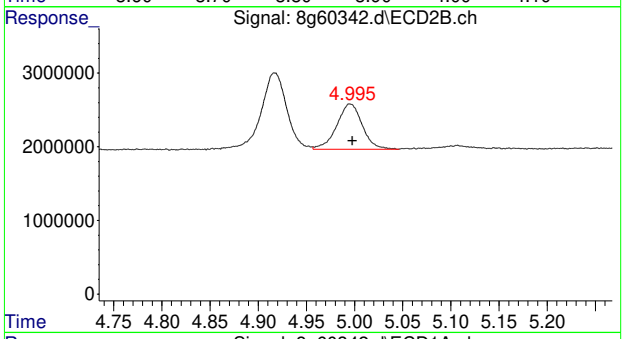
#6 Heptachlor

R.T.: 5.587 min
Delta R.T.: -0.002 min
Response: 17473777
Conc: 0.09 PPB



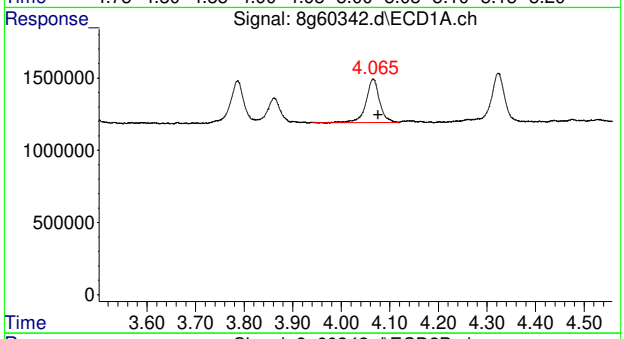
#7 beta-BHC

R.T.: 3.862 min
Delta R.T.: -0.010 min
Response: 3306368
Conc: 0.07 PPB



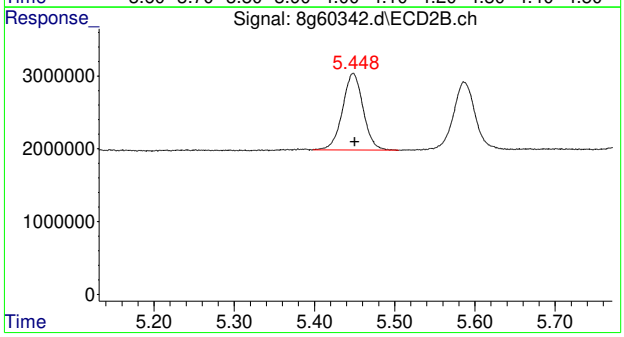
#7 beta-BHC

R.T.: 4.996 min
Delta R.T.: -0.002 min
Response: 11374611
Conc: 0.09 PPB



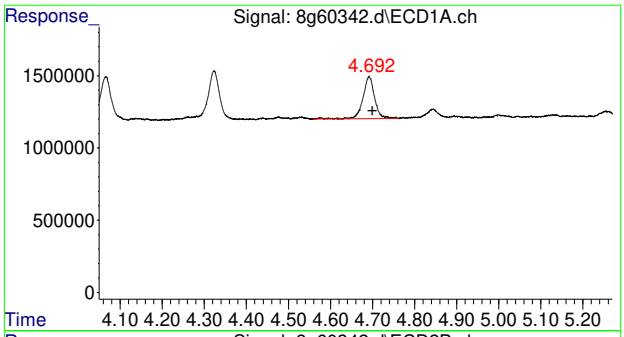
#8 delta-BHC

R.T.: 4.066 min
Delta R.T.: -0.010 min
Response: 5889102
Conc: 0.05 PPB



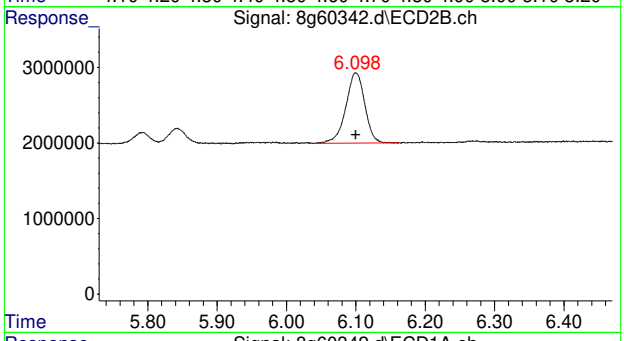
#8 delta-BHC

R.T.: 5.448 min
Delta R.T.: -0.002 min
Response: 18788481
Conc: 0.08 PPB



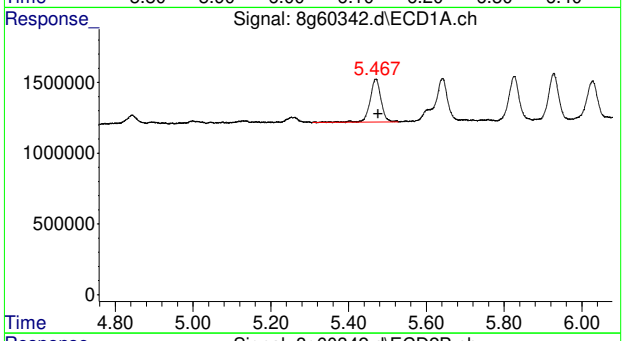
#9 Aldrin

R.T.: 4.692 min
Delta R.T.: -0.008 min
Response: 5712334
Conc: 0.06 PPB



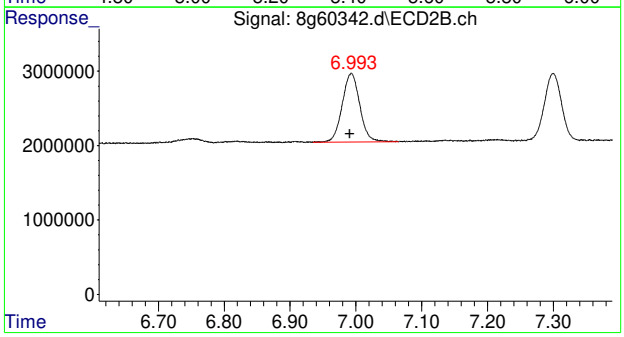
#9 Aldrin

R.T.: 6.100 min
Delta R.T.: 0.000 min
Response: 17732812
Conc: 0.08 PPB



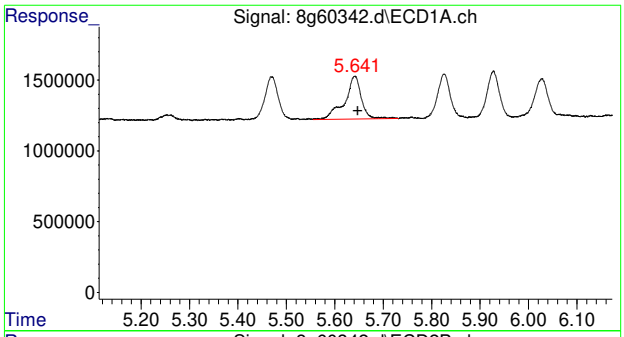
#11 Heptachlor Epoxide

R.T.: 5.470 min
Delta R.T.: -0.006 min
Response: 5918754
Conc: 0.06 PPB



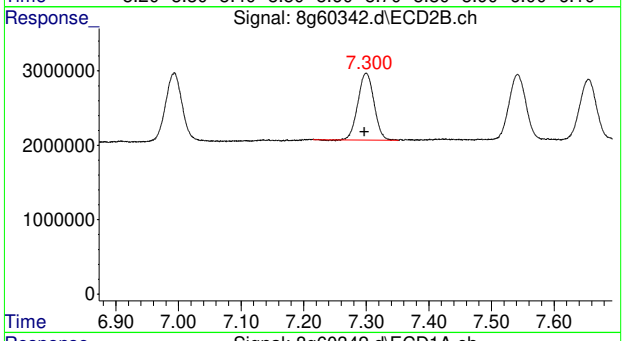
#11 Heptachlor Epoxide

R.T.: 6.993 min
Delta R.T.: 0.003 min
Response: 17075899
Conc: 0.08 PPB



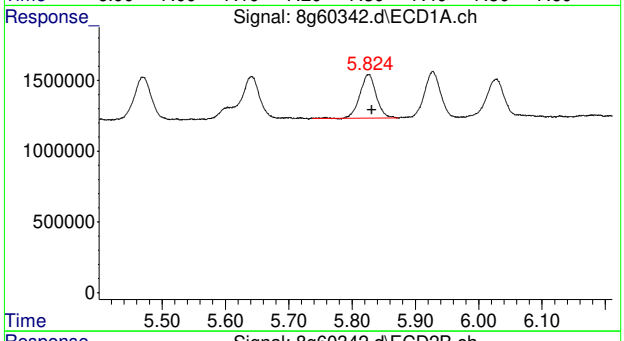
#12 gamma-Chlordane

R.T.: 5.641 min
Delta R.T.: -0.006 min
Response: 7282158
Conc: 0.08 PPB



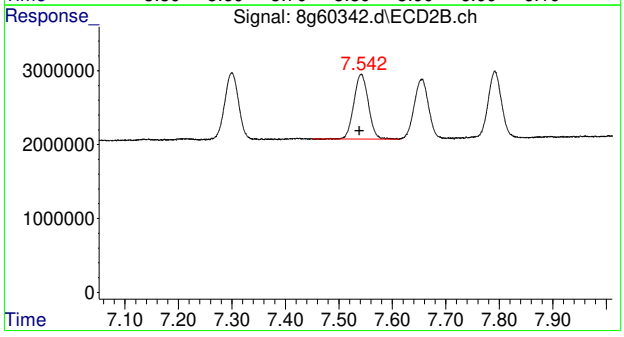
#12 gamma-Chlordane

R.T.: 7.300 min
Delta R.T.: 0.003 min
Response: 16118115
Conc: 0.08 PPB



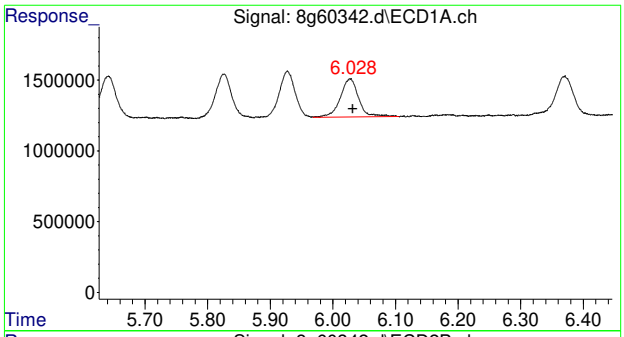
#13 alpha-Chlordane

R.T.: 5.826 min
Delta R.T.: -0.005 min
Response: 5525525
Conc: 0.06 PPB



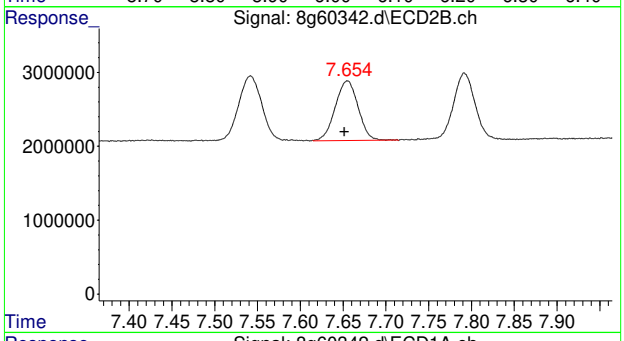
#13 alpha-Chlordane

R.T.: 7.542 min
Delta R.T.: 0.003 min
Response: 16548361
Conc: 0.08 PPB



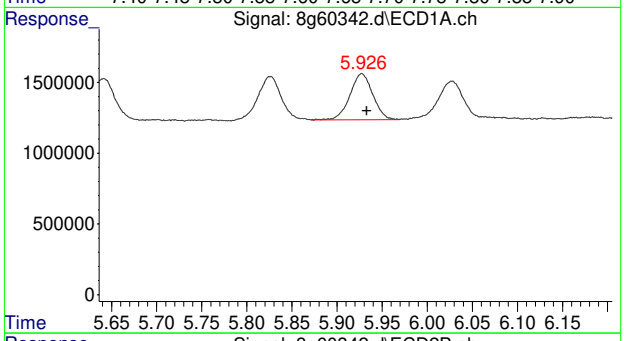
#14 Endosulfan I

R.T.: 6.027 min
Delta R.T.: -0.005 min
Response: 5481643
Conc: 0.07 PPB



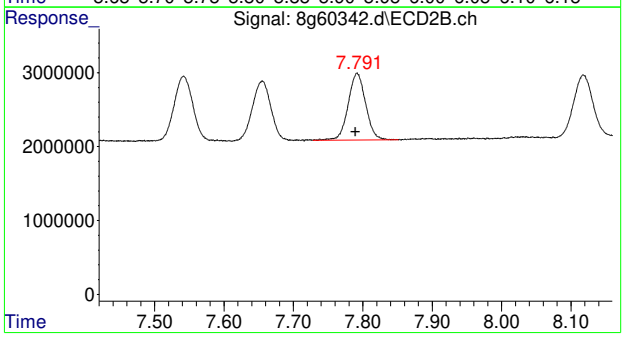
#14 Endosulfan I

R.T.: 7.655 min
Delta R.T.: 0.003 min
Response: 15014847
Conc: 0.08 PPB



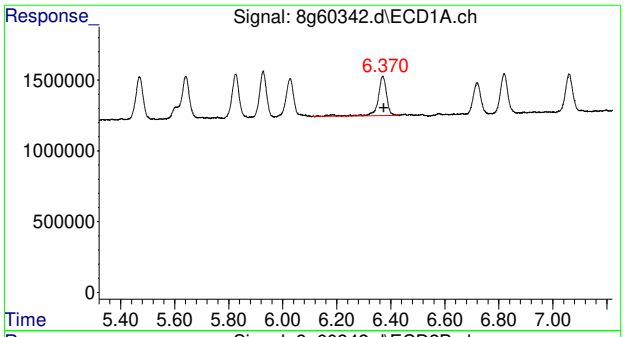
#15 4,4'-DDE

R.T.: 5.927 min
Delta R.T.: -0.005 min
Response: 5753312
Conc: 0.06 PPB



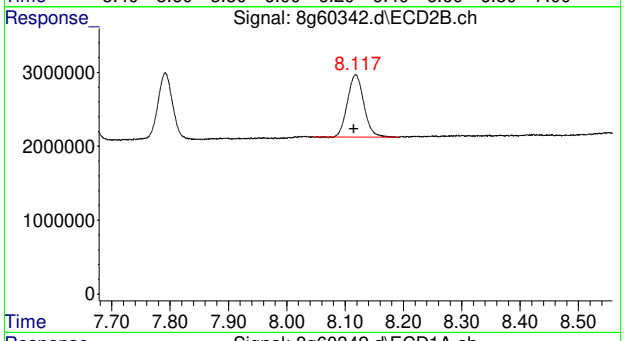
#15 4,4'-DDE

R.T.: 7.792 min
Delta R.T.: 0.003 min
Response: 15870692
Conc: 0.08 PPB



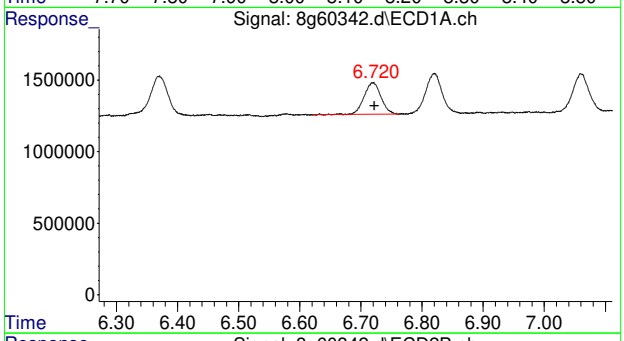
#16 Dieldrin

R.T.: 6.370 min
Delta R.T.: -0.005 min
Response: 6266766
Conc: 0.07 PPB



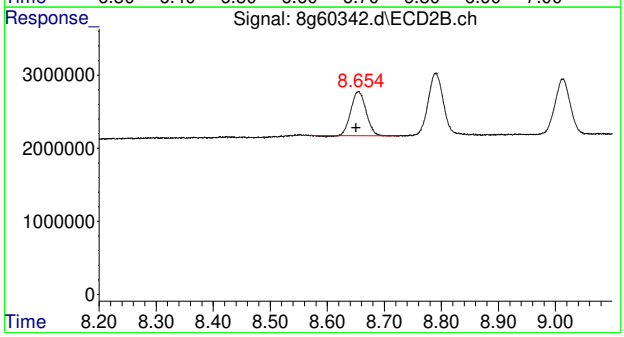
#16 Dieldrin

R.T.: 8.118 min
Delta R.T.: 0.004 min
Response: 16483771
Conc: 0.07 PPB



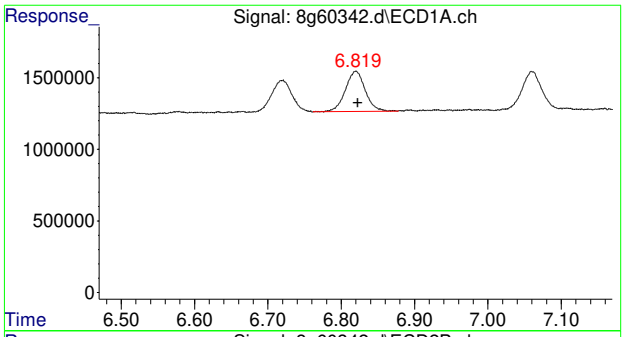
#17 Endrin

R.T.: 6.720 min
Delta R.T.: -0.002 min
Response: 4273716
Conc: 0.07 PPB



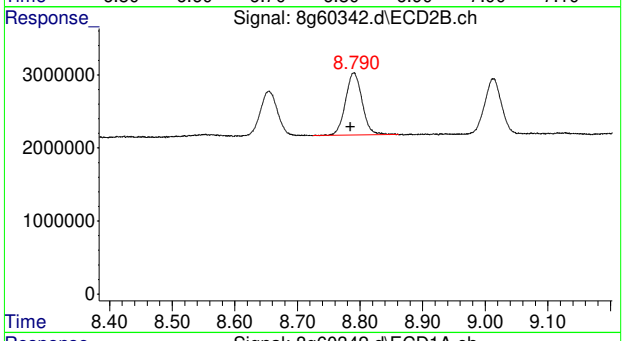
#17 Endrin

R.T.: 8.654 min
Delta R.T.: 0.004 min
Response: 11243457
Conc: 0.08 PPB



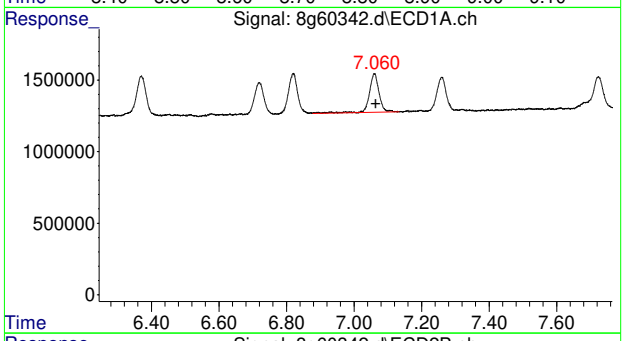
#18 4,4'-DDD

R.T.: 6.820 min
Delta R.T.: -0.003 min
Response: 5291556
Conc: 0.05 PPB



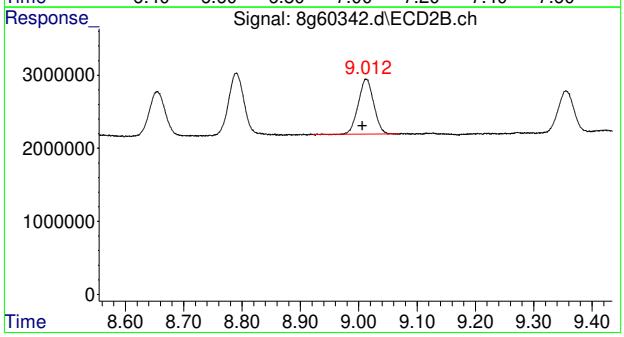
#18 4,4'-DDD

R.T.: 8.790 min
Delta R.T.: 0.005 min
Response: 15714384
Conc: 0.06 PPB



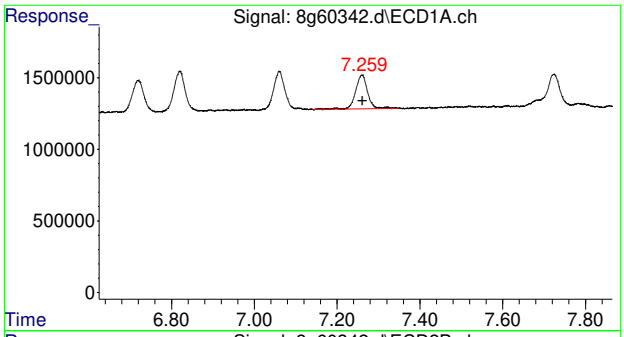
#19 Endosulfan II

R.T.: 7.060 min
Delta R.T.: -0.004 min
Response: 5401419
Conc: 0.07 PPB



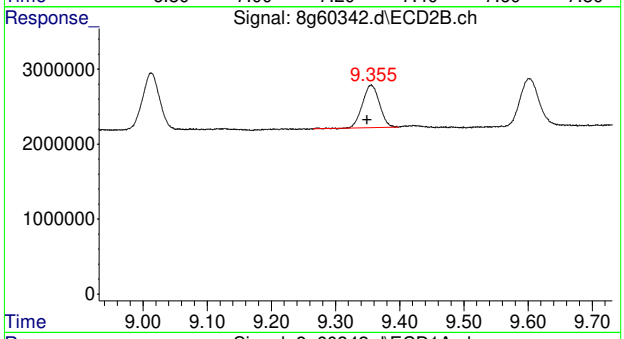
#19 Endosulfan II

R.T.: 9.013 min
Delta R.T.: 0.006 min
Response: 13883331
Conc: 0.08 PPB



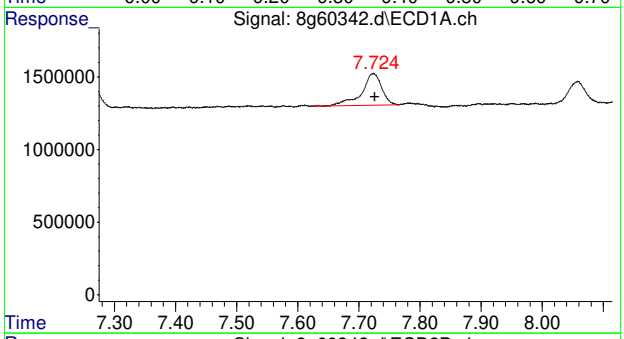
#20 4,4'-DDT

R.T.: 7.260 min
Delta R.T.: -0.002 min
Response: 4777329
Conc: 0.07 PPB



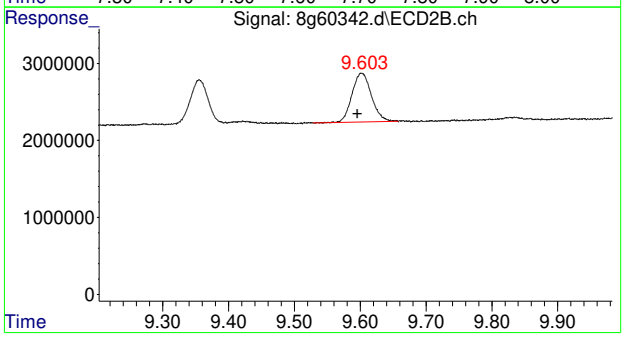
#20 4,4'-DDT

R.T.: 9.356 min
Delta R.T.: 0.007 min
Response: 10354115
Conc: 0.08 PPB



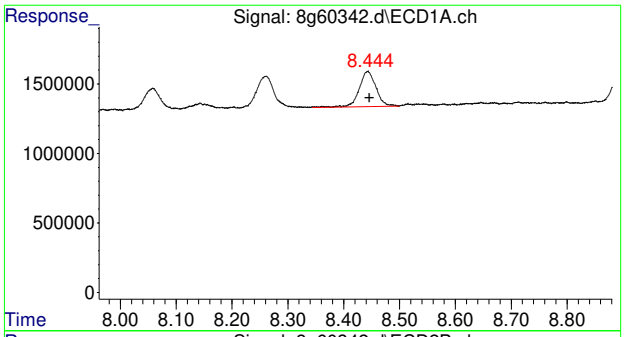
#21 Endrin Aldehyde

R.T.: 7.724 min
Delta R.T.: -0.002 min
Response: 4953167
Conc: 0.07 PPB



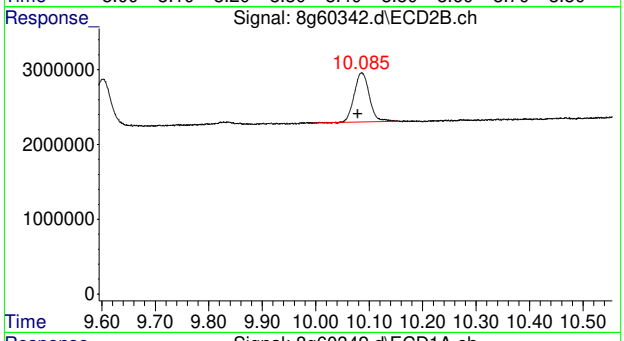
#21 Endrin Aldehyde

R.T.: 9.602 min
Delta R.T.: 0.006 min
Response: 12963399
Conc: 0.09 PPB



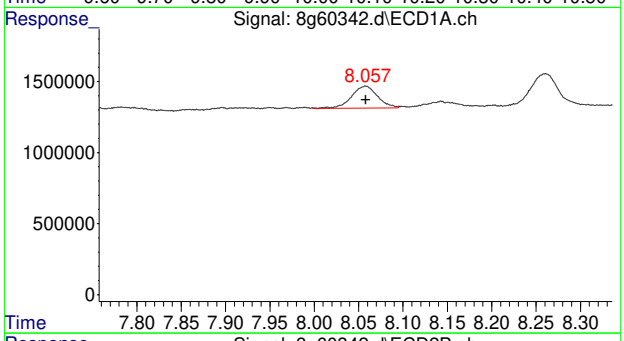
#22 Endosulfan Sulfate

R.T.: 8.443 min
Delta R.T.: -0.003 min
Response: 5271223
Conc: 0.07 PPB



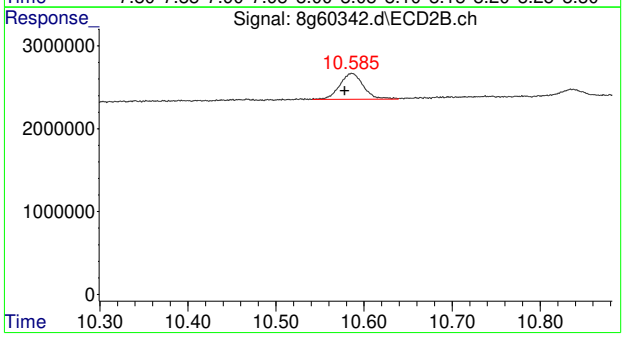
#22 Endosulfan Sulfate

R.T.: 10.086 min
Delta R.T.: 0.008 min
Response: 12861966
Conc: 0.08 PPB



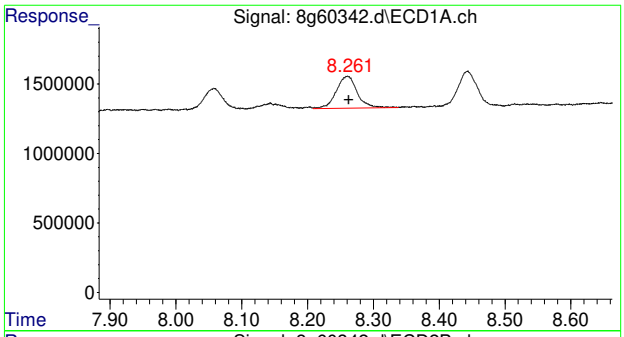
#23 Methoxychlor

R.T.: 8.057 min
Delta R.T.: 0.000 min
Response: 3201299
Conc: 0.08 PPB m



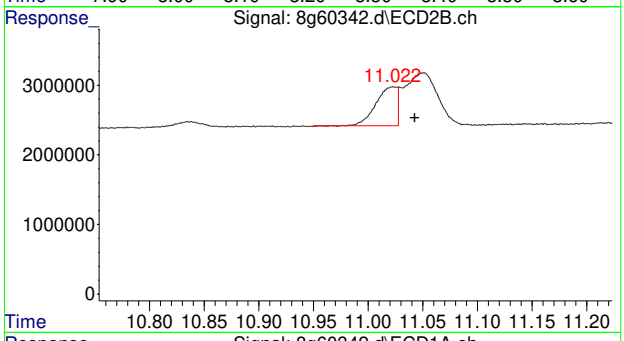
#23 Methoxychlor

R.T.: 10.585 min
Delta R.T.: 0.007 min
Response: 5829128
Conc: 0.09 PPB m



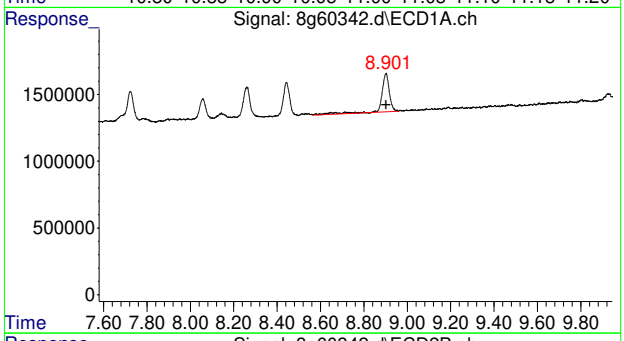
#24 Mirex

R.T.: 8.260 min
Delta R.T.: -0.002 min
Response: 5085281
Conc: 0.09 PPB



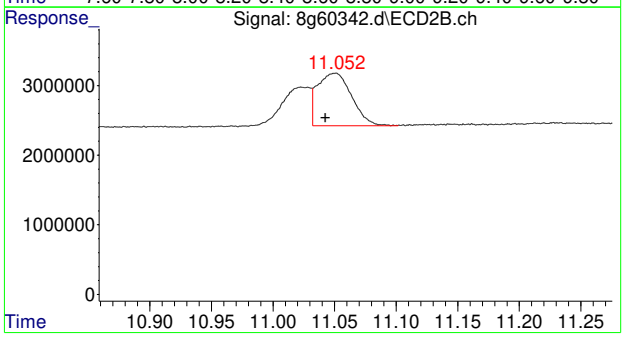
#24 Mirex

R.T.: 11.022 min
Delta R.T.: -0.020 min
Response: 7716912
Conc: 0.08 PPB m



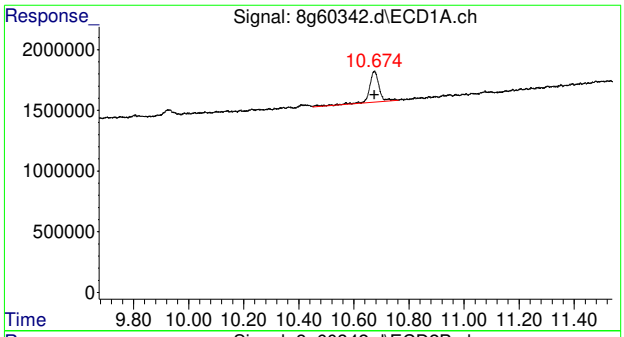
#25 Endrin Ketone

R.T.: 8.902 min
Delta R.T.: 0.000 min
Response: 7146066
Conc: 0.08 PPB



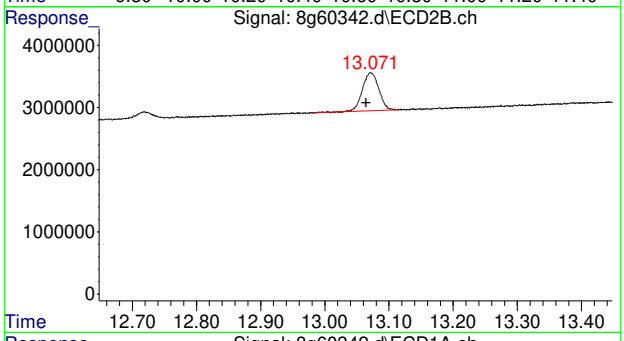
#25 Endrin Ketone

R.T.: 11.052 min
Delta R.T.: 0.009 min
Response: 14498339
Conc: 0.07 PPB m



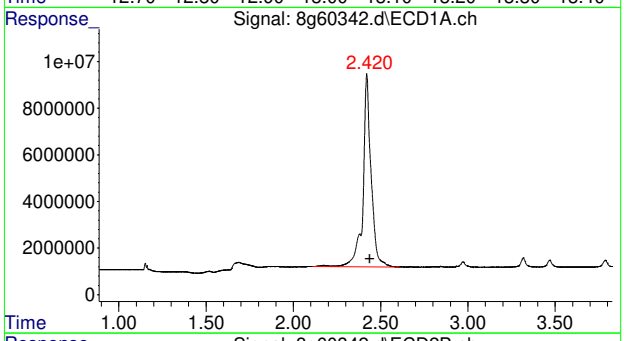
#26 Decachlorobiphenyl

R.T.: 10.674 min
Delta R.T.: 0.000 min
Response: 6200271
Conc: 0.11 PPB



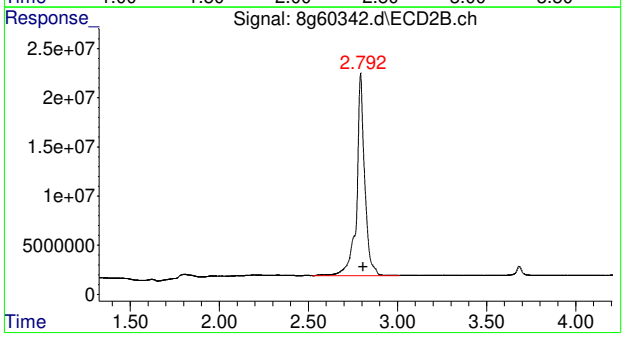
#26 Decachlorobiphenyl

R.T.: 13.072 min
Delta R.T.: 0.008 min
Response: 10783316
Conc: 0.11 PPB



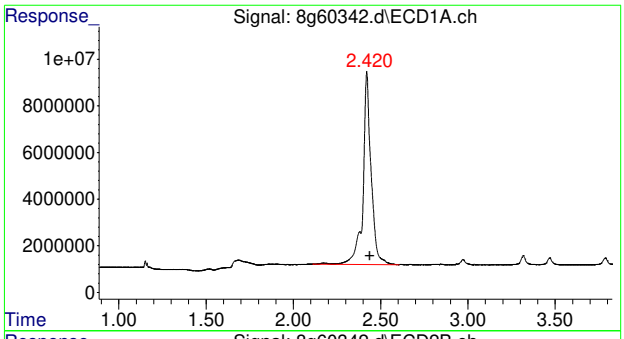
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.420 min
Delta R.T.: -0.017 min
Response: 267019405
Conc: 5.00 PPB



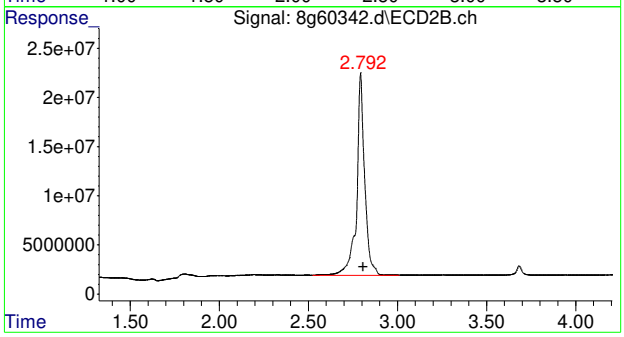
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.793 min
Delta R.T.: -0.014 min
Response: 642375983
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.420 min
Delta R.T.: -0.017 min
Response: 267019405
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.793 min
Delta R.T.: -0.014 min
Response: 642375983
Conc: 5.00 PPB

Manual Integration Approval Summary

Sample Number: G8G2596-IC2596
Lab FileID: 8G60342.D
Injection Time: 09/18/24 11:35
Method: SW846 8081B
Analyst approved: 09/19/24 07:07 Rebecca Krug
Supervisor approved: 09/24/24 10:58 Gwendolyn Burns

Parameter	CAS	Sig#	R.T. (min.)	Reason
Methoxychlor	72-43-5	1	8.06	Poorly defined baseline
Methoxychlor	72-43-5	2	10.59	Poorly defined baseline
Mirex	2385-85-5	2	11.02	Poorly defined baseline
Endrin ketone	53494-70-5	2	11.05	Poorly defined baseline

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 09/24/24 10:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60343.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 11:58 am
Operator : rebeccak
Sample : ic2596-0.2 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 24 09:06:07 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB	
		Internal Standards							
1)	I	1-bromo-2...	2.422	2.793	278.0E6	660.3E6	5.000	5.000	
27)	I	1-bromo-2...	2.422	2.793	278.0E6	660.3E6	5.000	5.000	
33)	I	1-bromo-2...	2.422	2.793	278.0E6	660.3E6	5.000	5.000	
		System Monitoring Compounds							
2)	SAB	Tetrachlo...	2.972	3.682	9626809	35668128	0.159	0.206	#
		Spiked Amount 40.000	Range 30 - 150		Recovery =		0.40%#	0.52%#	
26)	SA	Decachlor...	10.674	13.071	10868233	20133137	0.183	0.203	
		Spiked Amount 40.000			Recovery =		0.46%	0.51%	
		Target Compounds							
3)		hexachlor...	3.317	4.262	17117697	39548210	0.165	0.200	
4)	A	alpha-BHC	3.469	4.429	12280435	40199534	0.107	0.130	
5)	MA	gamma-BHC	3.786	4.917	11769414	36574099	0.112	0.150	#
6)	MA	Heptachlor	4.324	5.587	13470222	32997954	0.131	0.158	
7)	B	beta-BHC	3.861	4.995	6284869	20531297	0.122	0.157	#
8)	B	delta-BHC	4.066	5.447	11483646	35062567	0.101	0.137	#
9)	MB	Aldrin	4.692	6.099	10637125	33497910	0.113	0.151	#
11)	B	Heptachlo...	5.470	6.991	11604114	32234188	0.120	0.151	#
12)	B	gamma-Chl...	5.641	7.299	14221811	30952651	0.152	0.148	
13)	B	alpha-Chl...	5.825	7.541	11267644	31038815	0.121	0.149	
14)	A	Endosulfan I	6.027	7.653	11053091	28244486	0.127	0.146	
15)	B	4,4'-DDE	5.928	7.792	11464328	29860113	0.118	0.141	
16)	MA	Dieldrin	6.370	8.116	11865012	32407226	0.133	0.140	
17)	MA	Endrin	6.719	8.654	9619153	23729282	0.150	0.170	
18)	A	4,4'-DDD	6.819	8.789	10417077	28671201	0.092	0.112	
19)	B	Endosulfa...	7.060	9.011	10434798	26730846	0.125	0.146	
20)	MA	4,4'-DDT	7.259	9.354	9292678	20173401	0.127	0.149	
21)	B	Endrin Al...	7.723	9.601	10701509	23494757	0.150	0.158	
22)	B	Endosulfa...	8.442	10.085	9940568	24157272	0.125	0.143	
23)	A	Methoxychlor	8.056	10.585	6746903	10744538	0.163	0.166	
24)		Mirex	8.260	11.023f	9719181	14507817	0.164	0.142m	
25)	B	Endrin Ke...	8.900	11.047	13352159	29665704	0.136	0.132m	
		SemiQuant Compounds - Not Calibrated on this Instrument							

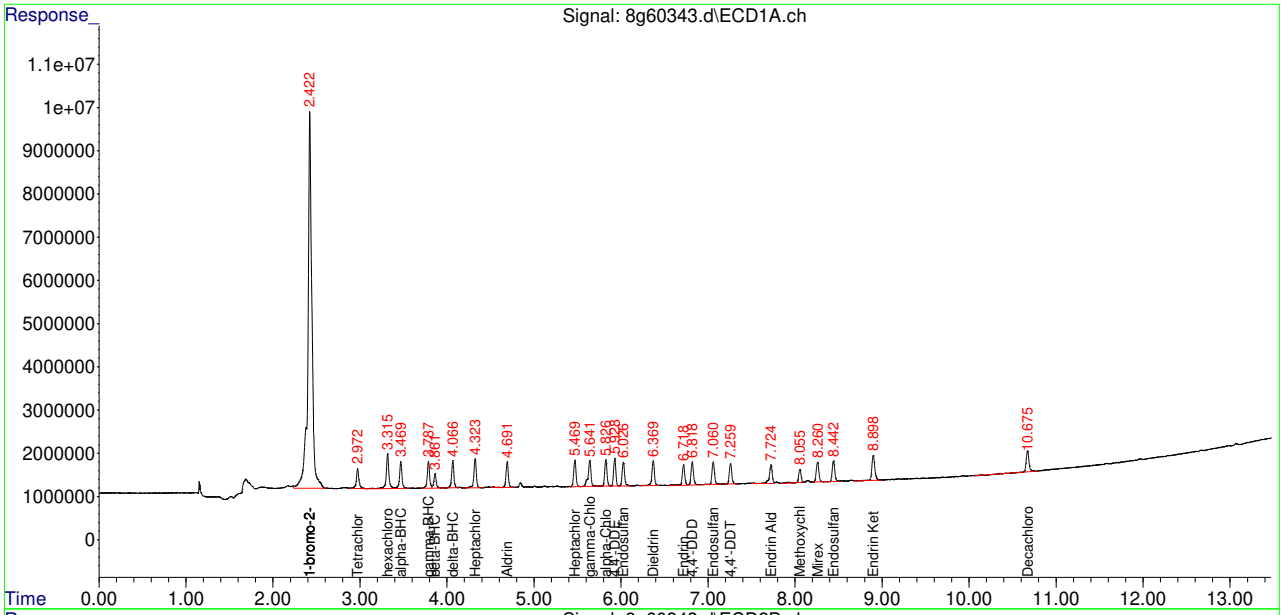
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

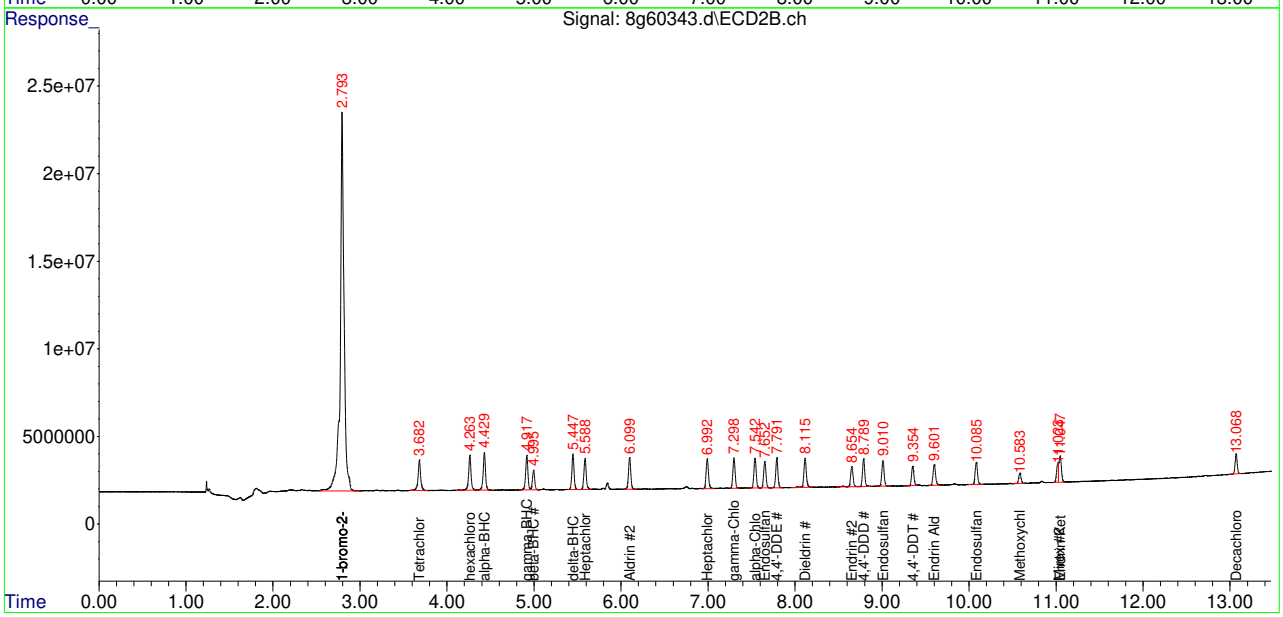
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60343.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 11:58 am
Operator : rebeccak
Sample : ic2596-0.2 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 24 09:06:07 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





Manual Integration Approval Summary

Sample Number: G8G2596-IC2596 **Method:** SW846 8081B
Lab FileID: 8G60343.D **Analyst approved:** 09/19/24 07:07 Rebecca Krug
Injection Time: 09/18/24 11:58 **Supervisor approved:** 09/24/24 10:58 Gwendolyn Burns

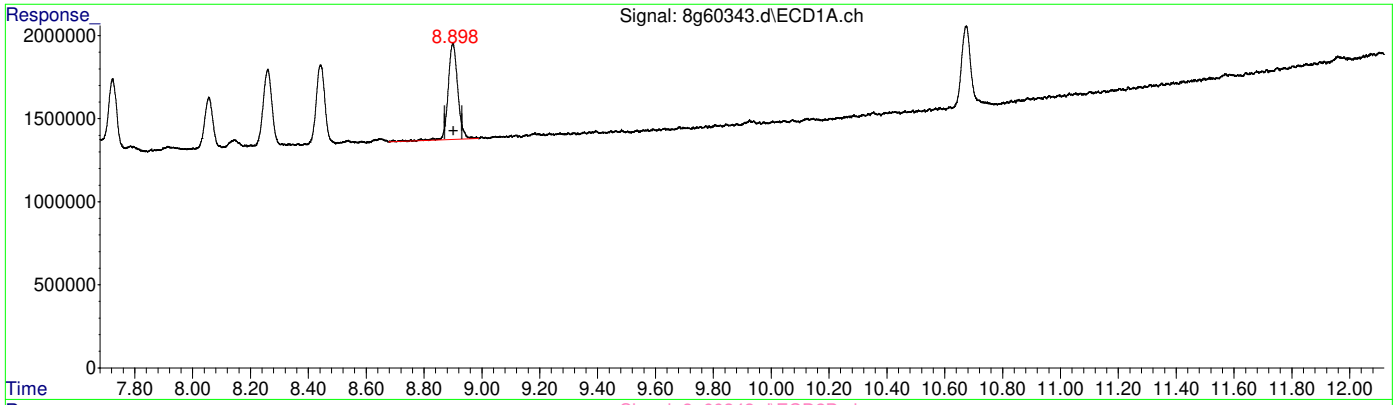
Parameter	CAS	Sig#	R.T. (min.)	Reason
Mirex	2385-85-5	2	11.02	Poorly defined baseline
Endrin ketone	53494-70-5	2	11.05	Poorly defined baseline

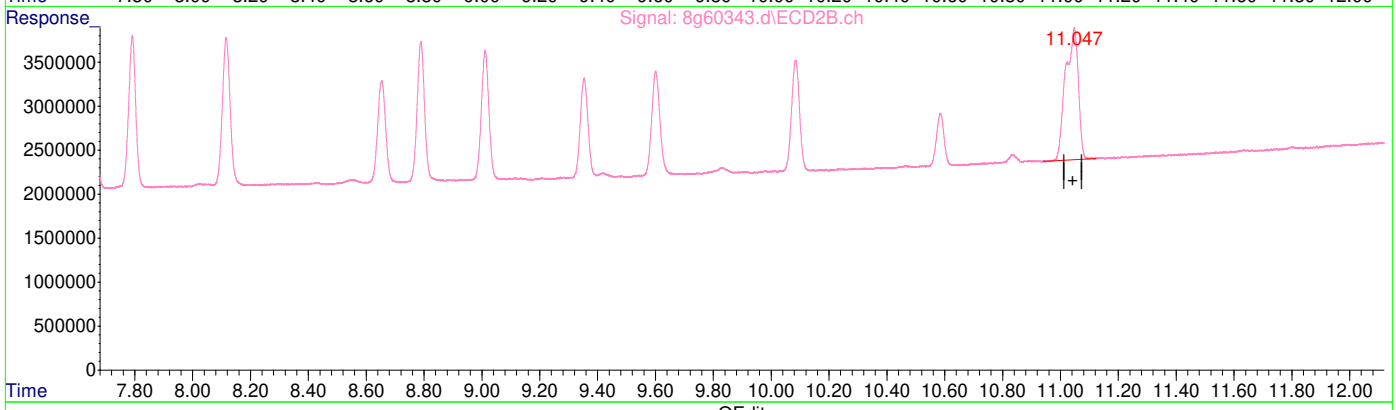
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60343.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 11:58 am
Operator : rebeccak
Sample : ic2596-0.2 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:45:45 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(25) Endrin Ketone (B)

8.900min 0.136 PPB

response 13352159

(25) Endrin Ketone #2 (B)

11.048min 0.203 PPB

response 45565225

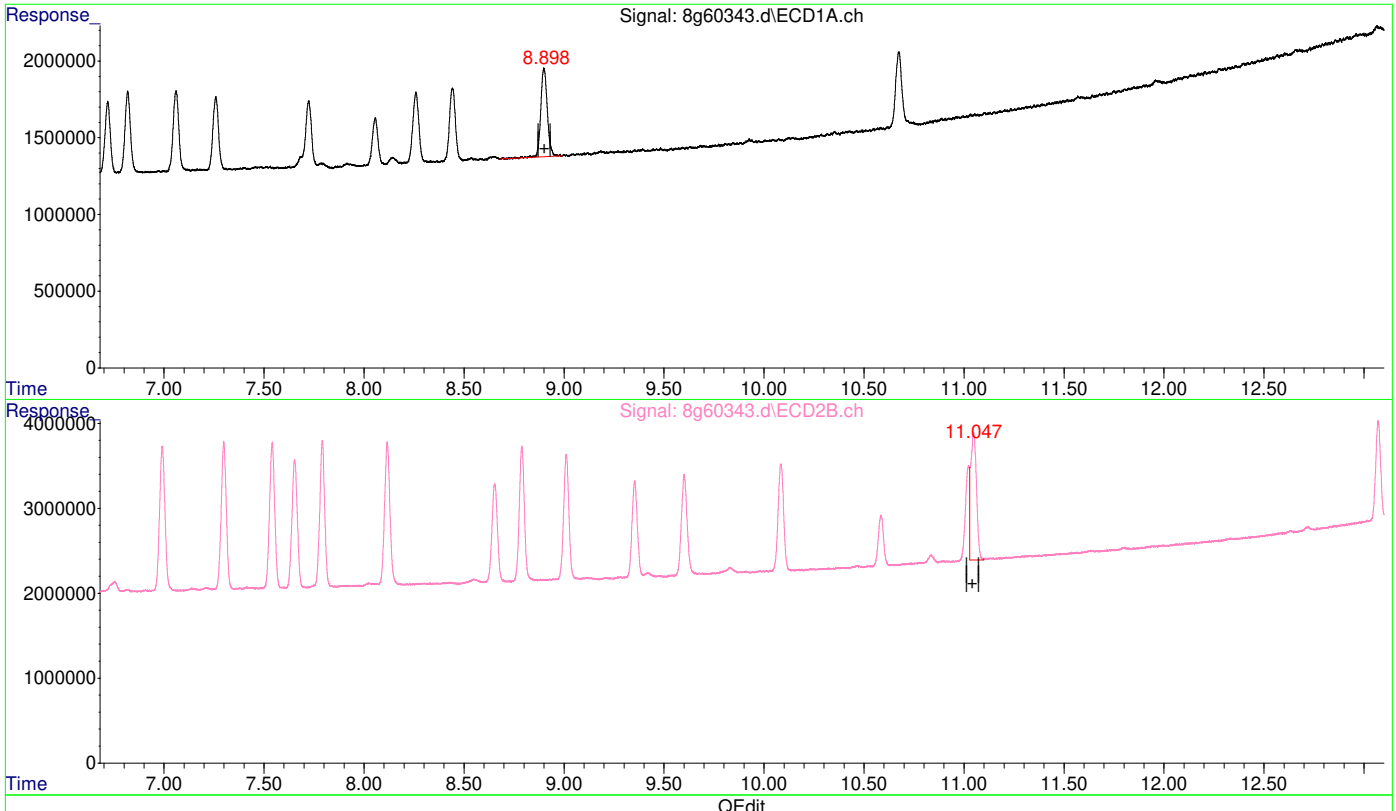
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60343.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 11:58 am
Operator : rebeccak
Sample : ic2596-0.2 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:45:45 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(25) Endrin Ketone (B)

8.900min 0.136 PPB

response 13352159

(25) Endrin Ketone #2 (B)

11.047min 0.132 PPB m

response 29665704

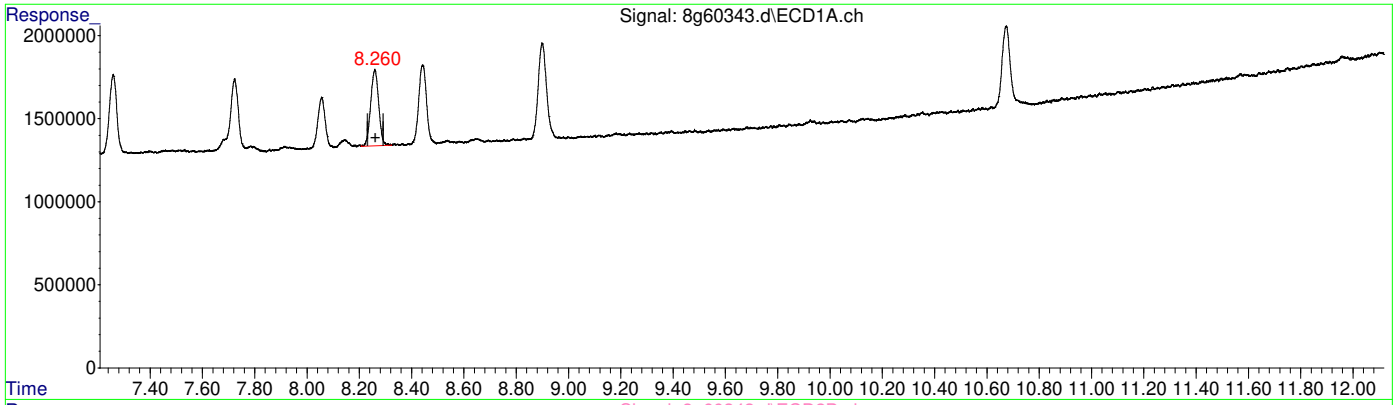
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Sep 19 06:55:59 2024

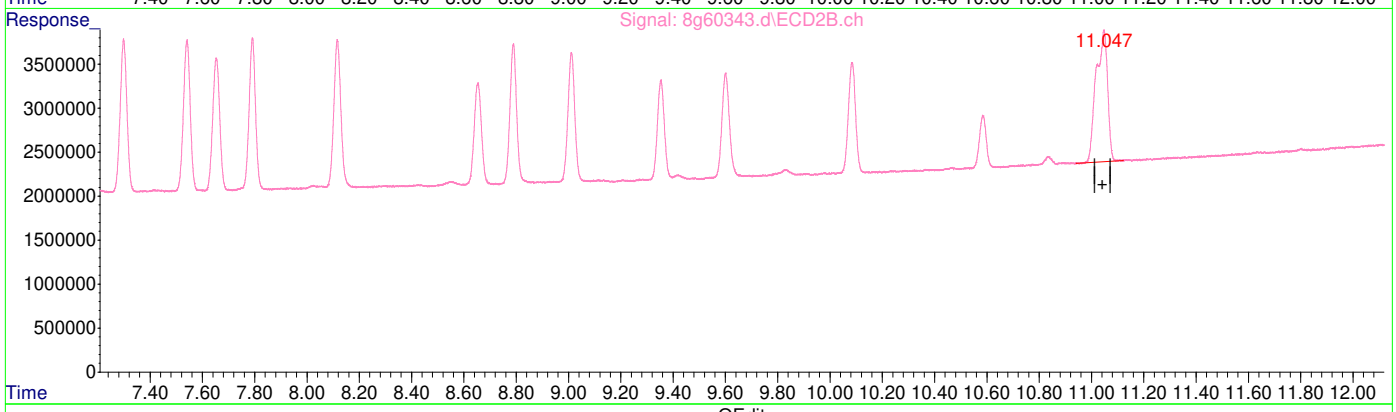
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60343.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 11:58 am
Operator : rebeccak
Sample : ic2596-0.2 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:45:45 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(24) Mirex

8.260min 0.164 PPB

response 9719181

(24) Mirex #2

11.048min 0.448 PPB

response 45565225

(+) = Expected Retention Time

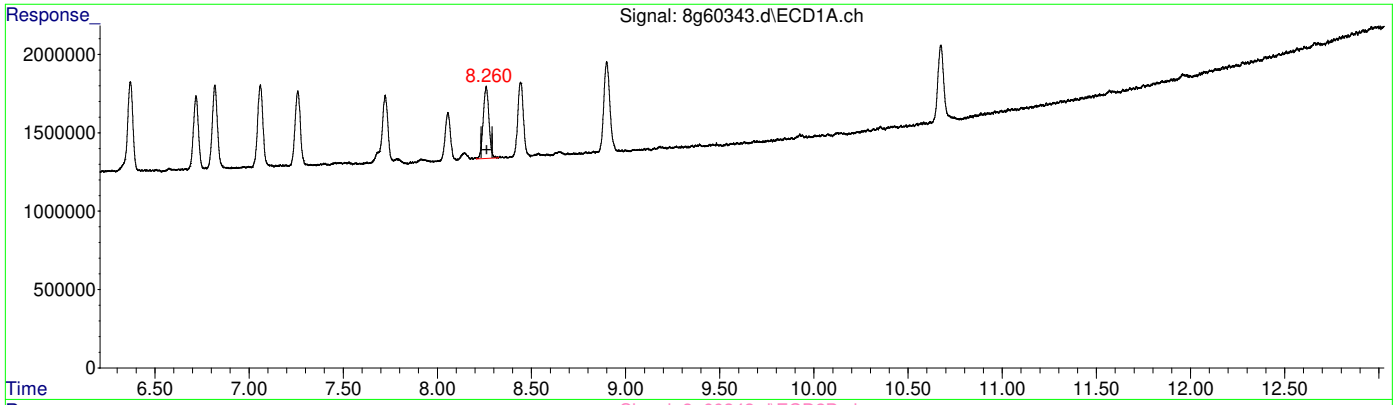
8PSTLVI2596a.M Thu Sep 19 06:56:02 2024 Page: 1

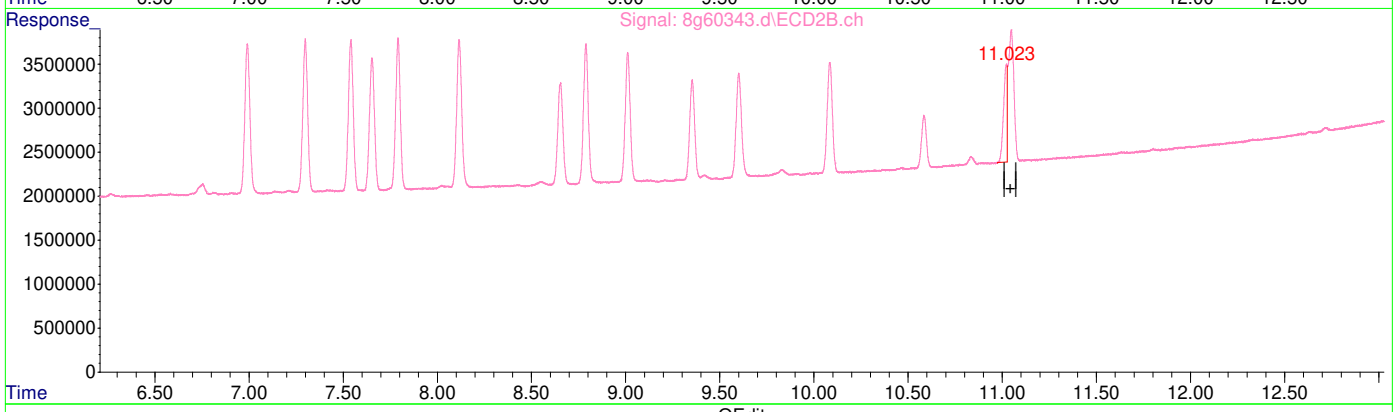
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60343.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 11:58 am
Operator : rebeccak
Sample : ic2596-0.2 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:45:45 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(24) Mirex

8.260min 0.164 PPB

response 9719181

(24) Mirex #2

11.023min 0.142 PPB m

response 14507817

(+) = Expected Retention Time
8PSTLVI2596a.M Thu Sep 19 06:56:12 2024

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 09/24/24 10:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60344.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 12:21 pm
Operator : rebeccak
Sample : ic2596-0.5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:44:21 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
		Internal Standards						
1)	I	1-bromo-2...	2.422	2.793	263.2E6	642.5E6	5.000	5.000
27)	I	1-bromo-2...	2.422	2.793	263.2E6	642.5E6	5.000	5.000
33)	I	1-bromo-2...	2.422	2.793	263.2E6	642.5E6	5.000	5.000
		System Monitoring Compounds						
2)	SAB	Tetrachlo...	2.971	3.682	24450630	84812490	0.427	0.504
		Spiked Amount 40.000	Range 30 - 150		Recovery =		1.07%#	1.26%#
26)	SA	Decachlor...	10.675	13.069	24239115	48722189	0.430	0.505
		Spiked Amount 40.000			Recovery =		1.08%	1.26%
		Target Compounds						
3)		hexachlor...	3.316	4.262	42000736	88061604	0.427	0.458
4)	A	alpha-BHC	3.469	4.429	32645103	96315657	0.302	0.320
5)	MA	gamma-BHC	3.787	4.917	30420870	88768313	0.305	0.373
6)	MA	Heptachlor	4.324	5.586	33240288	79053860	0.342	0.389
7)	B	beta-BHC	3.862	4.995	16226983	47296986	0.332	0.372
8)	B	delta-BHC	4.066	5.447	29478714	84940645	0.275	0.342
9)	MB	Aldrin	4.691	6.100	28524708	79996743	0.319	0.371
10)		alachlor	4.842	5.840	4906649	14400036	0.433	0.541
11)	B	Heptachlo...	5.470	6.991	29835561	77435951	0.327	0.374
12)	B	gamma-Chl...	5.641	7.298	29894066	76891433	0.337	0.377
13)	B	alpha-Chl...	5.827	7.541	29030900	75438576	0.329	0.372
14)	A	Endosulfan I	6.027	7.653	27484261	68991372	0.334	0.365
15)	B	4,4'-DDE	5.928	7.790	29381424	72404423	0.319	0.353
16)	MA	Dieldrin	6.371	8.116	28557157	78022556	0.337	0.346
17)	MA	Endrin	6.718	8.653	23067878	57261467	0.381	0.421
18)	A	4,4'-DDD	6.819	8.788	24133036	63981376	0.226	0.256
19)	B	Endosulfa...	7.060	9.011	26187064	65889320	0.331	0.370
20)	MA	4,4'-DDT	7.258	9.353	25190458	52520986	0.363	0.397
21)	B	Endrin Al...	7.724	9.600	21592680	51130836	0.320	0.353
22)	B	Endosulfa...	8.443	10.083	24949523	60257624	0.331	0.367
23)	A	Methoxychlor	8.055	10.583	15921474	26932343	0.406	0.427
24)		Mirex	8.259	11.026f	24546976	37451312	0.437	0.378m
25)	B	Endrin Ke...	8.899	11.048	30956556	113.1E6	0.334	0.518 #
		SemiQuant Compounds - Not Calibrated on this Instrument						

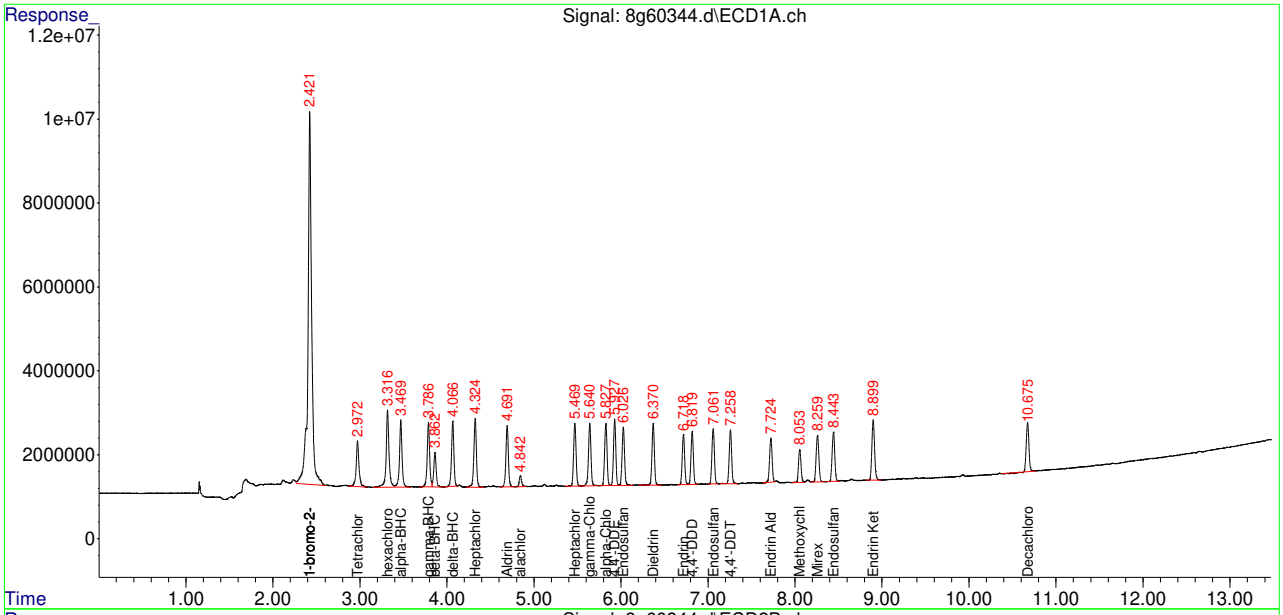
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

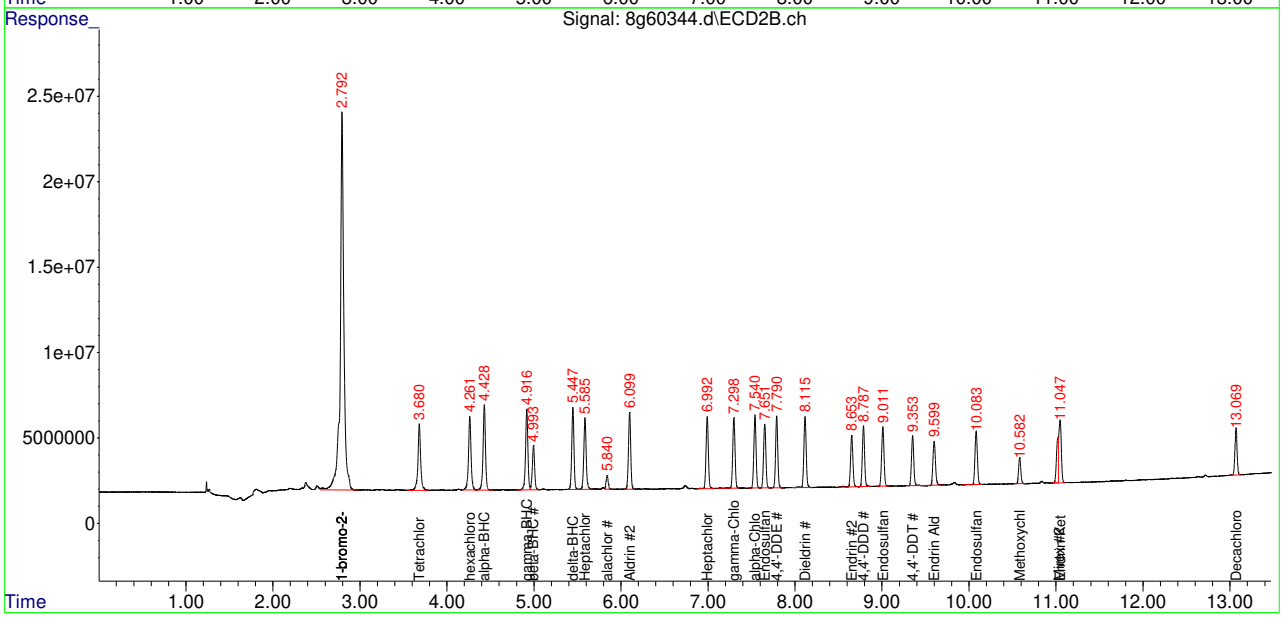
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60344.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 12:21 pm
Operator : rebeccak
Sample : ic2596-0.5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:44:21 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





Manual Integration Approval Summary

Sample Number: G8G2596-IC2596
Lab FileID: 8G60344.D
Injection Time: 09/18/24 12:21

Method: SW846 8081B
Analyst approved: 09/19/24 07:07 Rebecca Krug
Supervisor approved: 09/24/24 10:58 Gwendolyn Burns

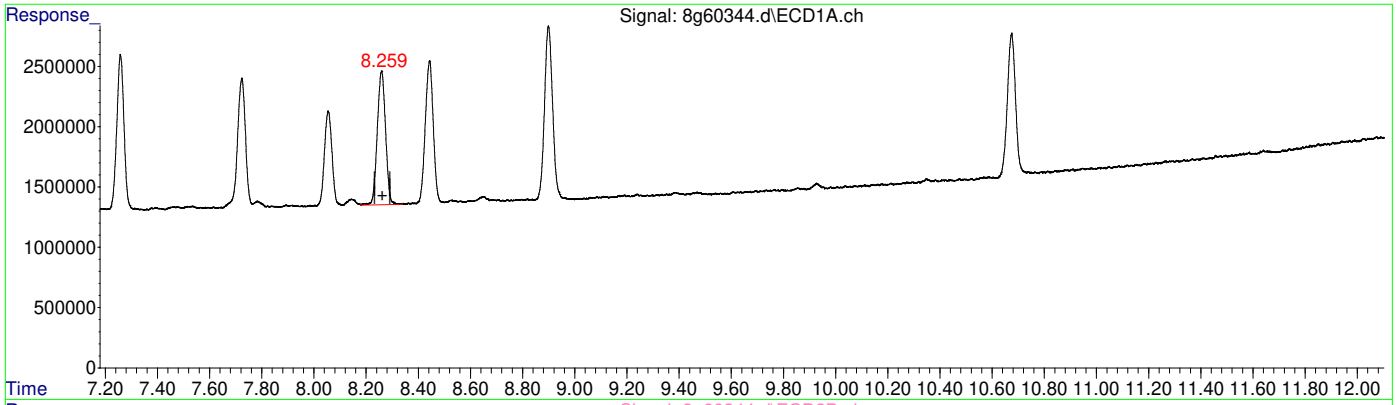
Parameter	CAS	Sig#	R.T. (min.)	Reason
Mirex	2385-85-5	2	11.03	Poorly defined baseline

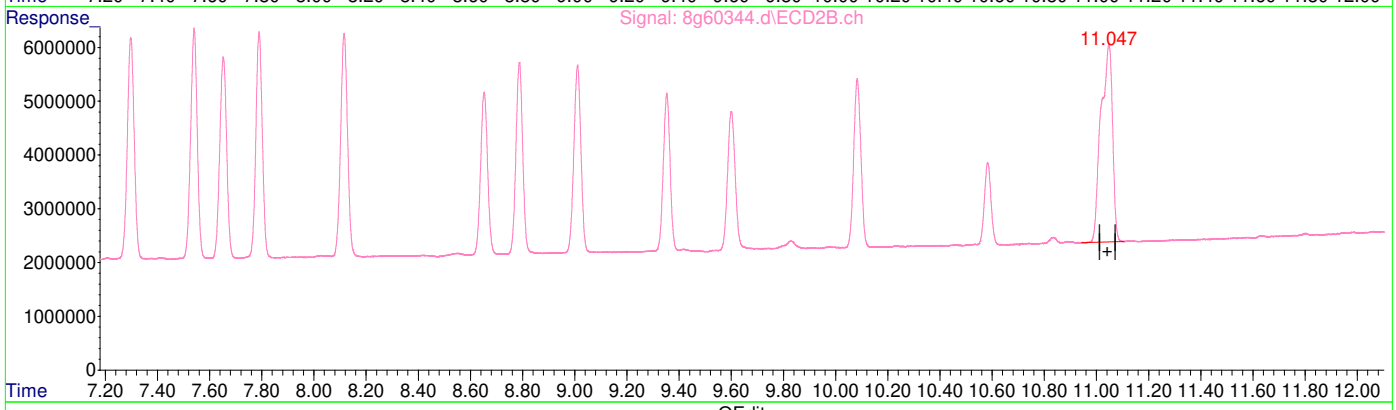
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60344.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 12:21 pm
Operator : rebeccak
Sample : ic2596-0.5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:42:15 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(24) Mirex

8.259min 0.437 PPB

response 24546976

(24) Mirex #2

11.048min 1.142 PPB

response 113142830

(+) = Expected Retention Time

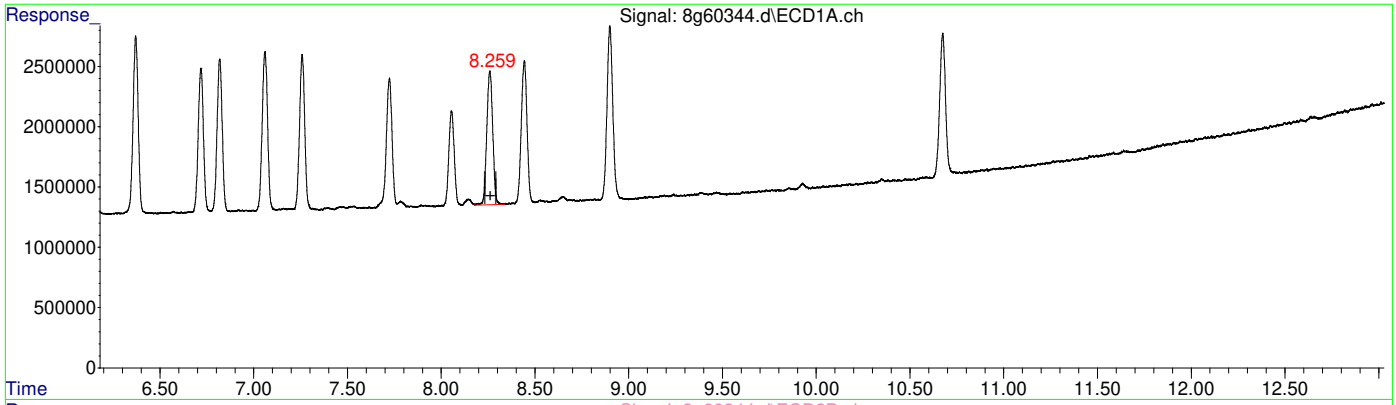
8PSTLVI2596a.M Wed Sep 18 20:43:27 2024 Page: 1

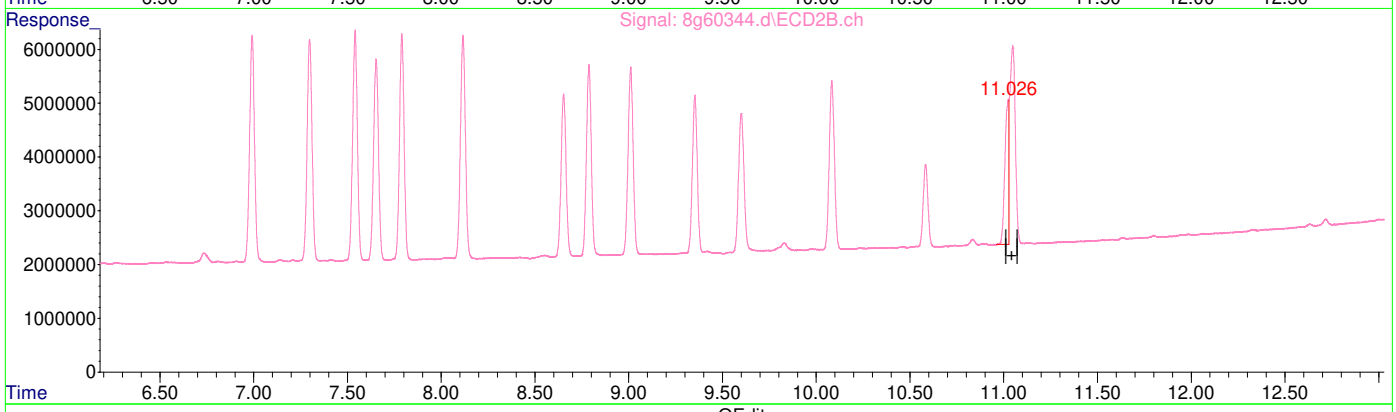
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60344.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 12:21 pm
Operator : rebeccak
Sample : ic2596-0.5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:42:15 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(24) Mirex

8.259min 0.437 PPB

response 24546976

(24) Mirex #2

11.026min 0.378 PPB m

response 37451312

(+) = Expected Retention Time
8PSTLVI2596a.M Wed Sep 18 20:44:02 2024

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 09/24/24 10:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60345.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 12:43 pm
Operator : rebeccak
Sample : ic2596-1 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 06:50:24 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
		Internal Standards						
1)	I	1-bromo-2...	2.425	2.795	305.4E6	739.0E6	5.000	5.000
27)	I	1-bromo-2...	2.425	2.795	305.4E6	739.0E6	5.000	5.000
33)	I	1-bromo-2...	2.425	2.795	305.4E6	739.0E6	5.000	5.000
		System Monitoring Compounds						
2)	SAB	Tetrachlo...	2.973	3.682	48780079	154.2E6	0.734	0.798
		Spiked Amount 40.000	Range 30 - 150		Recovery =		1.83%#	2.00%#
26)	SA	Decachlor...	10.673	13.069	48029813	91514245	0.735	0.825
		Spiked Amount 40.000			Recovery =		1.84%	2.06%
		Target Compounds						
3)		hexachlor...	3.318	4.263	77081452	161.1E6	0.675	0.729
4)	A	alpha-BHC	3.470	4.429	65169309	183.8E6	0.519	0.531
5)	MA	gamma-BHC	3.788	4.917	60693594	163.5E6	0.525	0.597
6)	MA	Heptachlor	4.324	5.586	62515639	146.7E6	0.554	0.628
7)	B	beta-BHC	3.863	4.994	30672364	84742990	0.541	0.579
8)	B	delta-BHC	4.068	5.448	61784135	160.5E6	0.497	0.562
9)	MB	Aldrin	4.693	6.099	55173350	150.0E6	0.532	0.604
10)		alachlor	4.842	5.840	9725637	25794589	0.739	0.842
11)	B	Heptachlo...	5.471	6.991	57001413	142.0E6	0.538	0.596
12)	B	gamma-Chl...	5.643	7.298	54245696	140.4E6	0.527	0.598
13)	B	alpha-Chl...	5.825	7.540	55182985	140.1E6	0.540	0.601
14)	A	Endosulfan I	6.027	7.652	51372405	128.7E6	0.539	0.593
15)	B	4,4'-DDE	5.928	7.790	55308011	135.2E6	0.517	0.573
16)	MA	Dieldrin	6.372	8.115	53057041	143.7E6	0.540	0.555
17)	MA	Endrin	6.719	8.652	44986462	107.5E6	0.641	0.687
18)	A	4,4'-DDD	6.819	8.787	46236505	115.4E6	0.373	0.402
19)	B	Endosulfa...	7.061	9.010	48830466	121.2E6	0.532	0.591
20)	MA	4,4'-DDT	7.259	9.352	48400792	100.3E6	0.601	0.660
21)	B	Endrin Al...	7.724	9.600	36948223	88889061	0.471	0.533
22)	B	Endosulfa...	8.443	10.083	46553361	110.4E6	0.533	0.584
23)	A	Methoxychlor	8.056	10.583	28724941	49693430	0.632	0.685
24)		Mirex	8.260	11.026f	43626060	68391453	0.669	0.600m
25)	B	Endrin Ke...	8.899	11.047	56140049	152.1E6	0.522	0.605m
		SemiQuant Compounds - Not Calibrated on this Instrument						

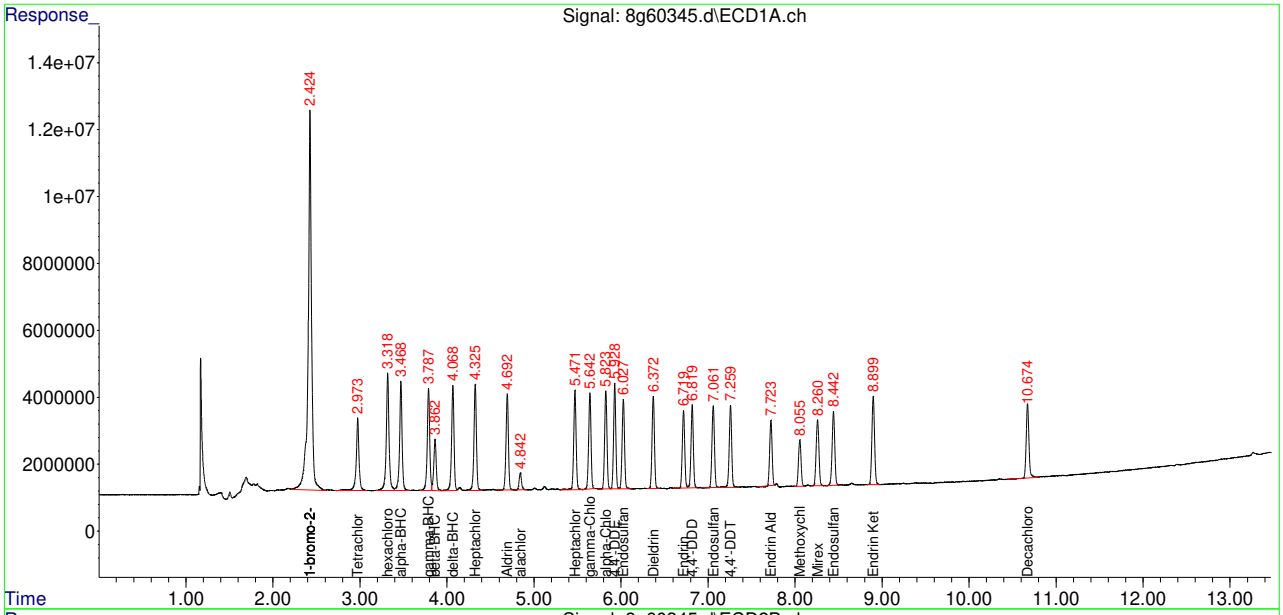
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

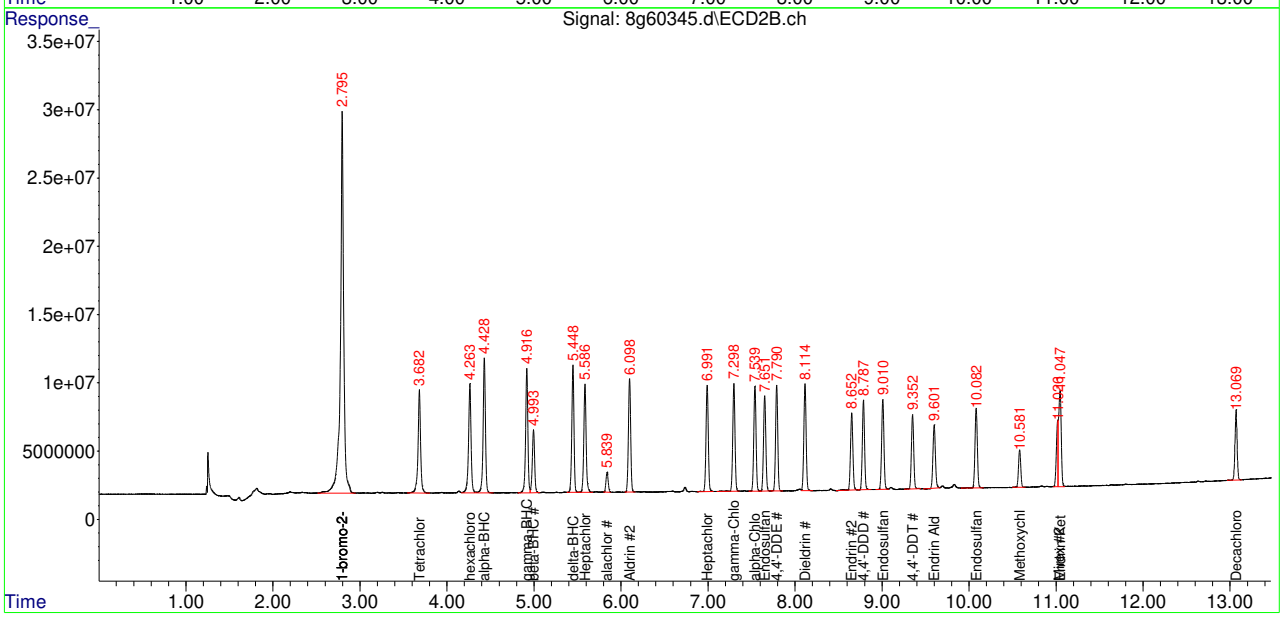
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60345.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 12:43 pm
Operator : rebeccak
Sample : ic2596-1 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 06:50:24 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





Manual Integration Approval Summary

Sample Number: G8G2596-IC2596
Lab FileID: 8G60345.D
Injection Time: 09/18/24 12:43

Method: SW846 8081B
Analyst approved: 09/19/24 07:07 Rebecca Krug
Supervisor approved: 09/24/24 10:58 Gwendolyn Burns

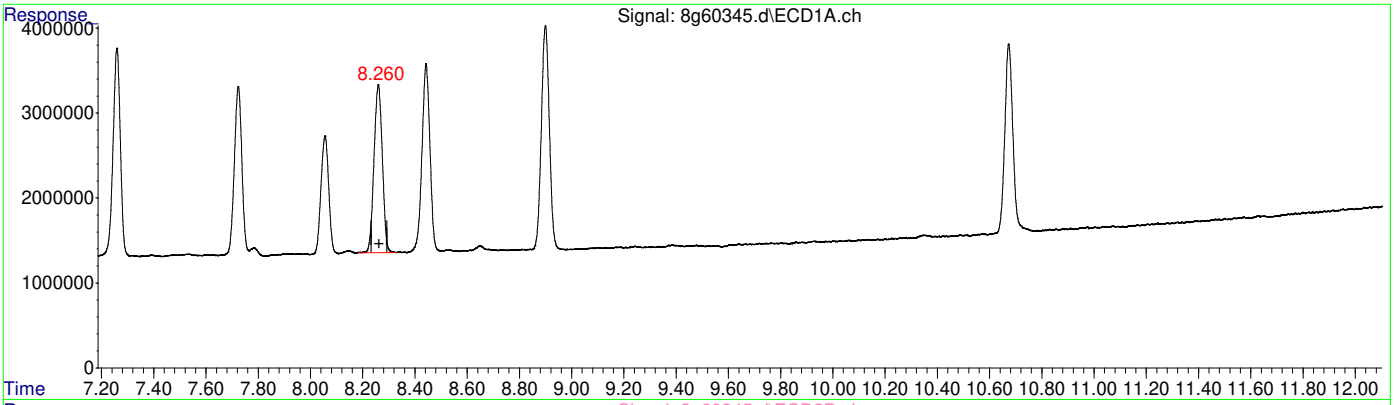
Parameter	CAS	Sig#	R.T. (min.)	Reason
Mirex	2385-85-5	2	11.03	Poorly defined baseline
Endrin ketone	53494-70-5	2	11.05	Poorly defined baseline

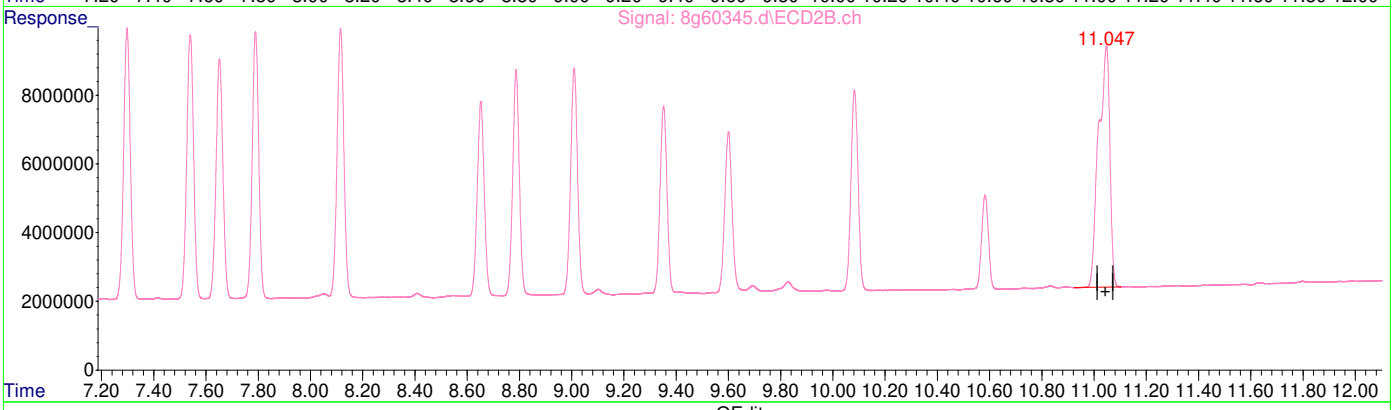
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60345.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 12:43 pm
Operator : rebeccak
Sample : ic2596-1 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:38:58 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(24) Mirex

8.260min 0.669 PPB

response 43626060

(24) Mirex #2

11.047min 1.843 PPB

response 210047171

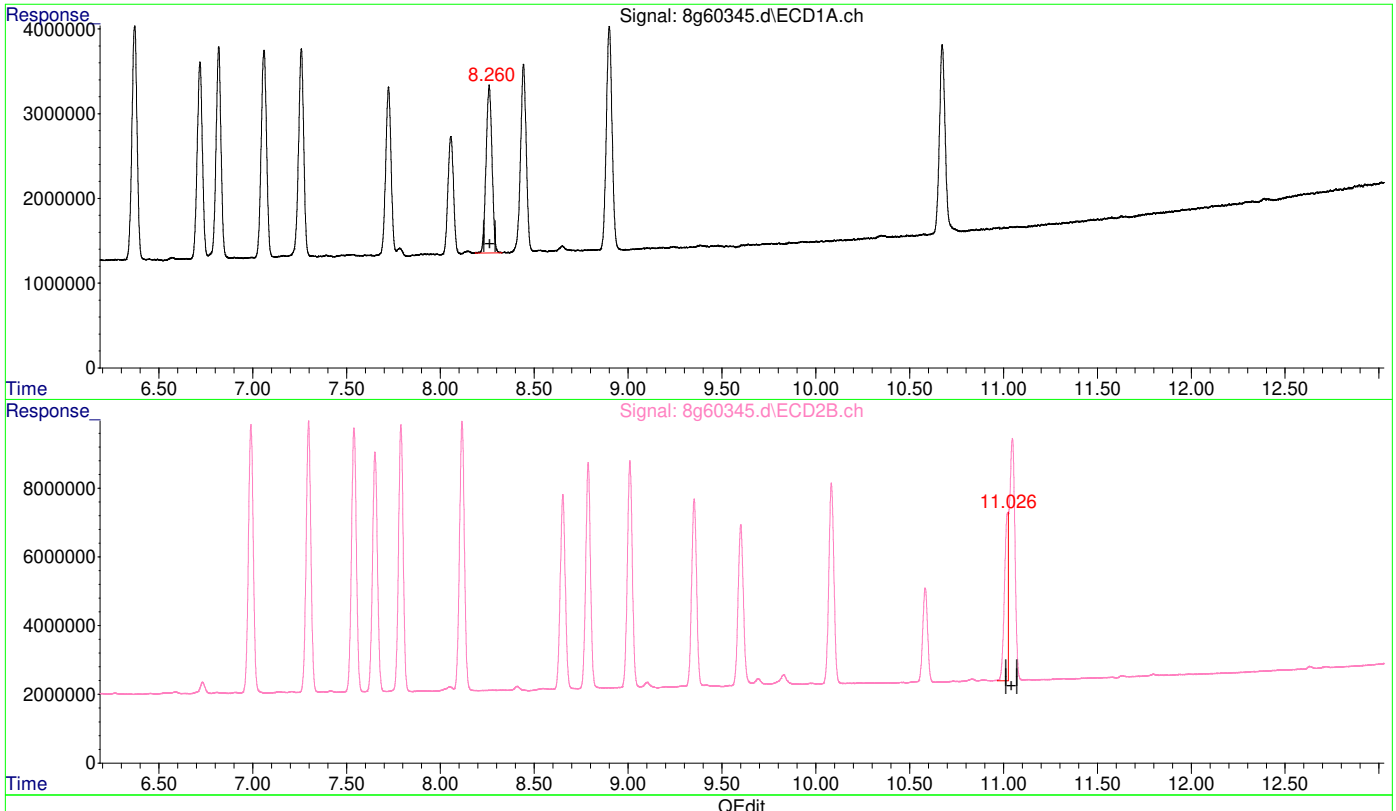
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Sep 18 20:39:39 2024

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60345.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 12:43 pm
Operator : rebeccak
Sample : ic2596-1 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:38:58 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(24) Mirex

8.260min 0.669 PPB

response 43626060

(24) Mirex #2

11.026min 0.600 PPB m

response 68391453

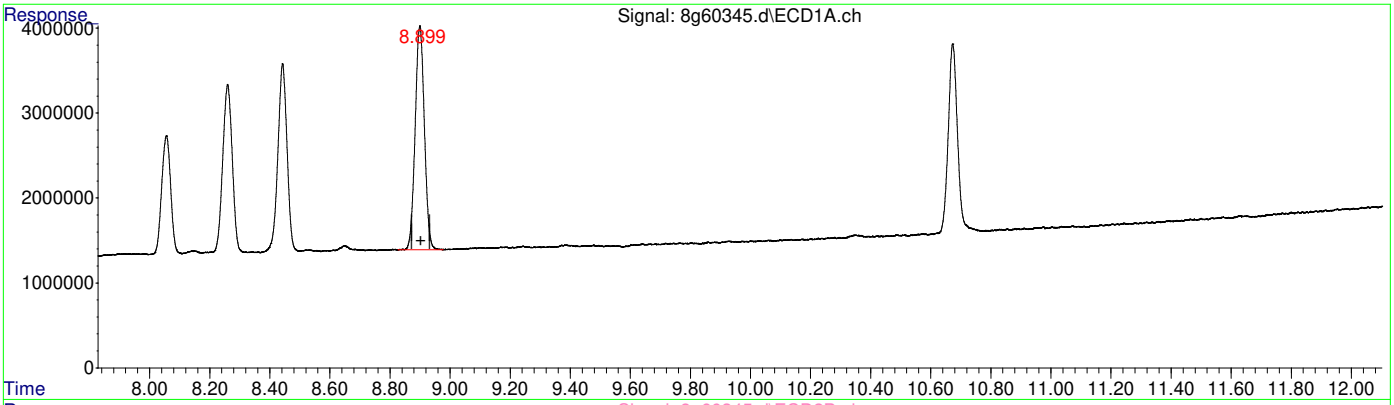
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Sep 18 20:40:10 2024

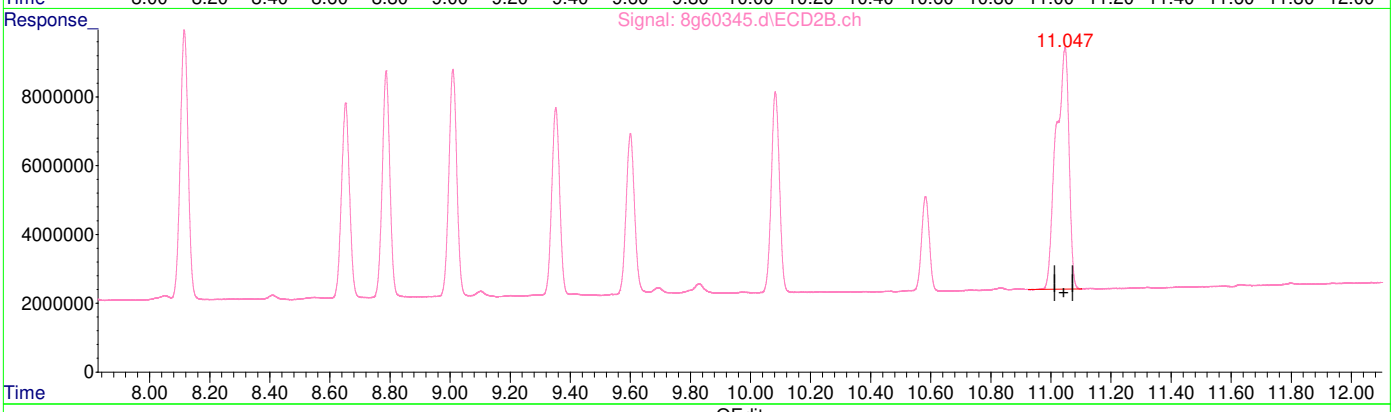
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60345.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 12:43 pm
Operator : rebeccak
Sample : ic2596-1 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:38:58 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(25) Endrin Ketone (B)

8.899min 0.522 PPB

response 56140049

(25) Endrin Ketone #2 (B)

11.047min 0.836 PPB

response 210047171

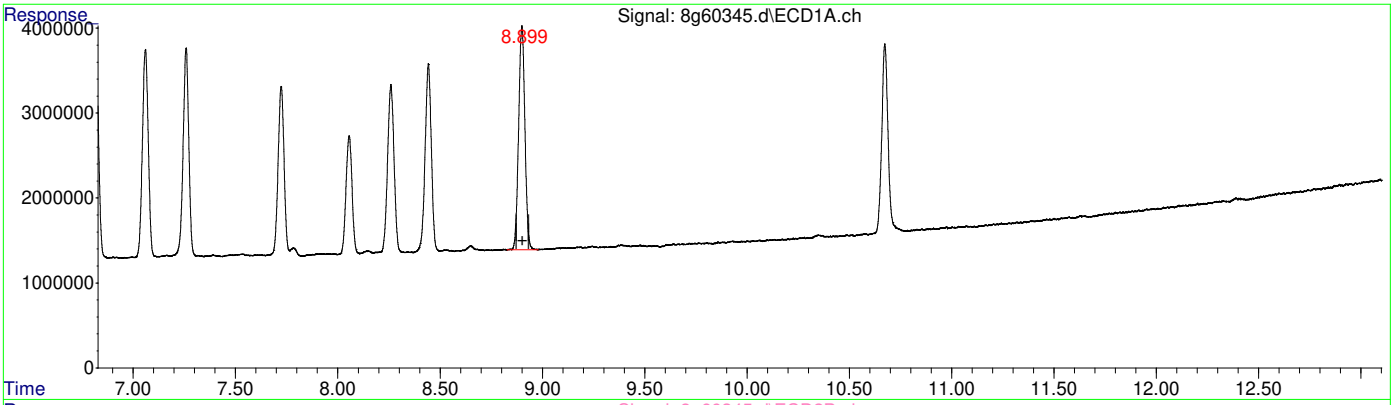
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Sep 18 20:40:17 2024

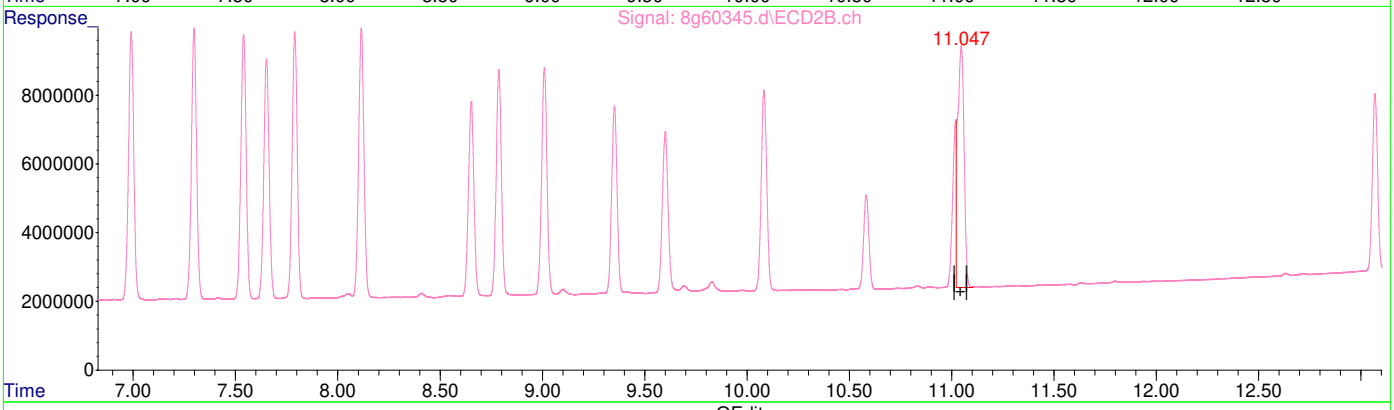
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60345.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 12:43 pm
Operator : rebeccak
Sample : ic2596-1 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:40:35 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(25) Endrin Ketone (B)

8.899min 0.522 PPB

response 56140049

(25) Endrin Ketone #2 (B)

11.047min 0.605 PPB m

response 152055884

(+) = Expected Retention Time
8PSTLVI2596a.M Thu Sep 19 06:50:34 2024

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 09/24/24 10:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60346.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 1:06 pm
Operator : rebeccak
Sample : icc2596-2.5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:38:34 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
		Internal Standards						
1)	I	1-bromo-2...	2.422	2.793	271.7E6	656.8E6	5.000	5.000
27)	I	1-bromo-2...	2.422	2.793	271.7E6	656.8E6	5.000	5.000
33)	I	1-bromo-2...	2.422	2.793	271.7E6	656.8E6	5.000	5.000
		System Monitoring Compounds						
2)	SAB	Tetrachlo...	2.972	3.682	132.3E6	403.5E6	2.238	2.347
		Spiked Amount 40.000	Range 30 - 150		Recovery =		5.59%#	5.87%#
26)	SA	Decachlor...	10.675	13.068	124.1E6	234.0E6	2.133	2.373
		Spiked Amount 40.000			Recovery =		5.33%	5.93%
		Target Compounds						
3)		hexachlor...	3.316	4.262	204.3E6	403.9E6	2.013	2.055
4)	A	alpha-BHC	3.469	4.429	191.5E6	501.1E6	1.714	1.629
5)	MA	gamma-BHC	3.787	4.917	174.3E6	438.0E6	1.695	1.800
6)	MA	Heptachlor	4.325	5.586	174.0E6	379.9E6	1.735	1.831
7)	B	beta-BHC	3.862	4.994	79255645	209.8E6	1.571	1.614
8)	B	delta-BHC	4.066	5.447	173.0E6	416.7E6	1.565	1.642
9)	MB	Aldrin	4.693	6.099	157.5E6	401.9E6	1.706	1.822
10)		alachlor	4.841	5.839	24049868	60983331	2.055	2.241
11)	B	Heptachlo...	5.471	6.991	152.7E6	373.3E6	1.620	1.763
12)	B	gamma-Chl...	5.643	7.298	154.6E6	371.5E6	1.689	1.781
13)	B	alpha-Chl...	5.827	7.540	153.4E6	368.5E6	1.687	1.778
14)	A	Endosulfan I	6.027	7.653	141.3E6	340.2E6	1.665	1.762
15)	B	4,4'-DDE	5.929	7.789	156.5E6	361.0E6	1.644	1.719
16)	MA	Dieldrin	6.372	8.116	152.0E6	386.4E6	1.739	1.678
17)	MA	Endrin	6.720	8.652	120.7E6	273.8E6	1.931	1.968
18)	A	4,4'-DDD	6.821	8.787	126.3E6	301.7E6	1.145	1.180
19)	B	Endosulfa...	7.060	9.010	135.4E6	322.4E6	1.656	1.769
20)	MA	4,4'-DDT	7.259	9.352	130.5E6	267.8E6	1.822	1.982
21)	B	Endrin Al...	7.725	9.600	107.2E6	238.9E6	1.537	1.613
22)	B	Endosulfa...	8.443	10.083	122.8E6	288.1E6	1.579	1.715
23)	A	Methoxychlor	8.056	10.583	74297483	129.7E6	1.837	2.009
24)		Mirex	8.259	11.029	112.5E6	205.8E6	1.939	2.032m
25)	B	Endrin Ke...	8.899	11.046	154.1E6	375.7E6	1.610	1.682m

SemiQuant Compounds - Not Calibrated on this Instrument

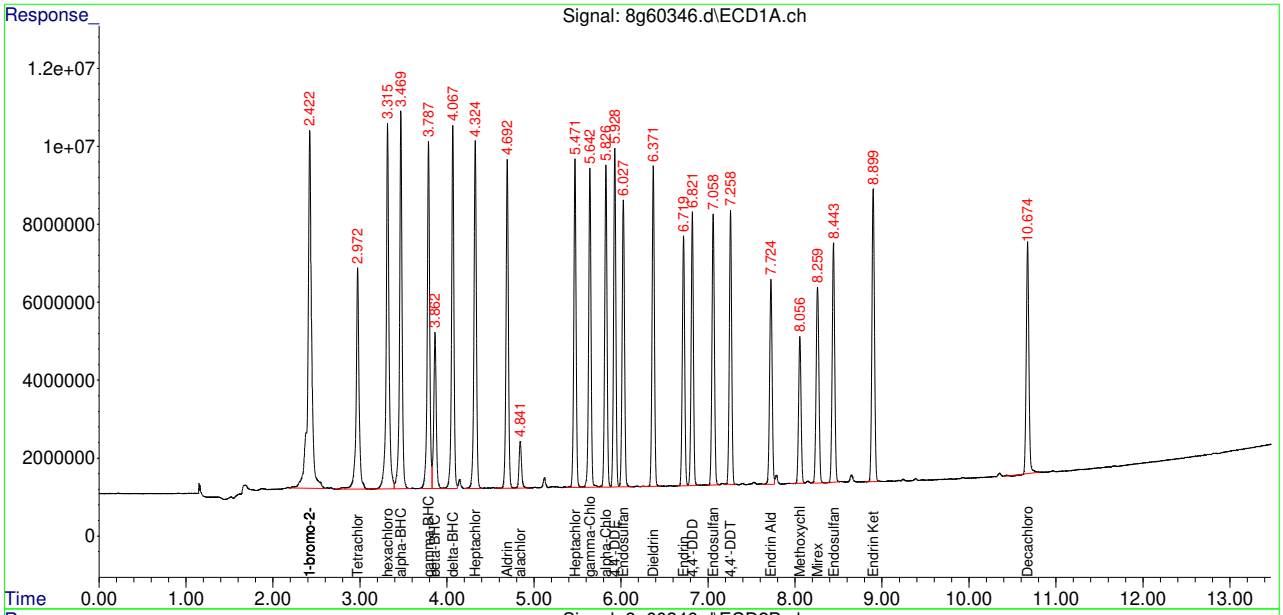
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

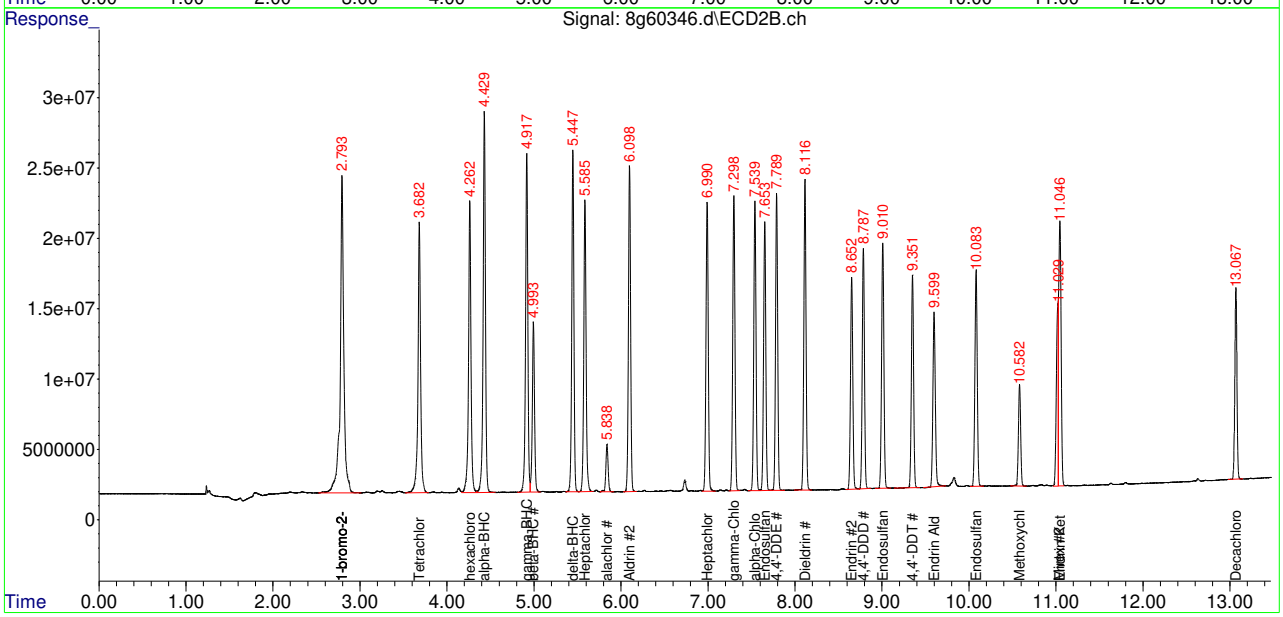
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60346.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 1:06 pm
Operator : rebeccak
Sample : icc2596-2.5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:38:34 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





Manual Integration Approval Summary

Sample Number: G8G2596-ICC2596 **Method:** SW846 8081B
Lab FileID: 8G60346.D **Analyst approved:** 09/19/24 07:07 Rebecca Krug
Injection Time: 09/18/24 13:06 **Supervisor approved:** 09/24/24 10:58 Gwendolyn Burns

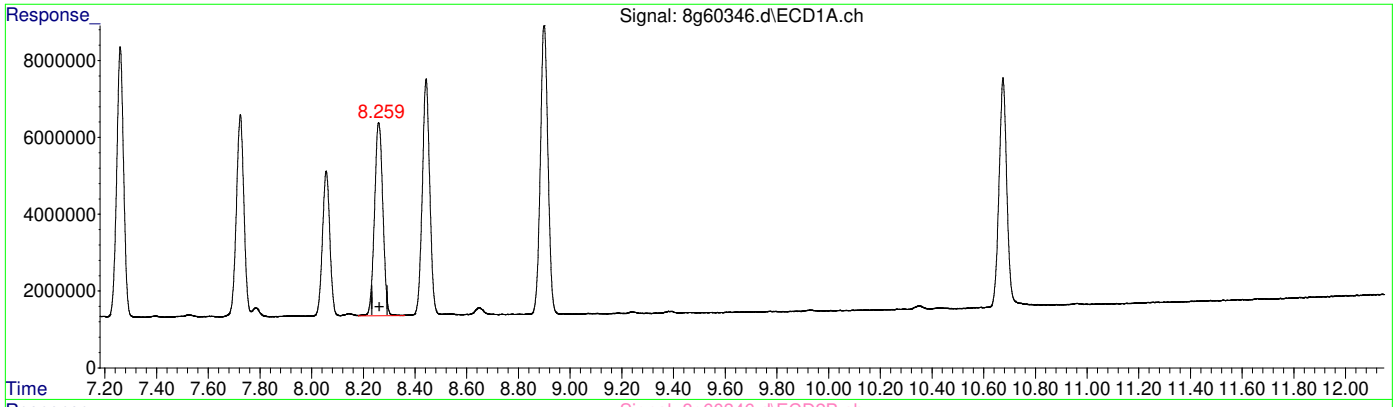
Parameter	CAS	Sig#	R.T. (min.)	Reason
Mirex	2385-85-5	2	11.03	Poorly defined baseline
Endrin ketone	53494-70-5	2	11.05	Poorly defined baseline

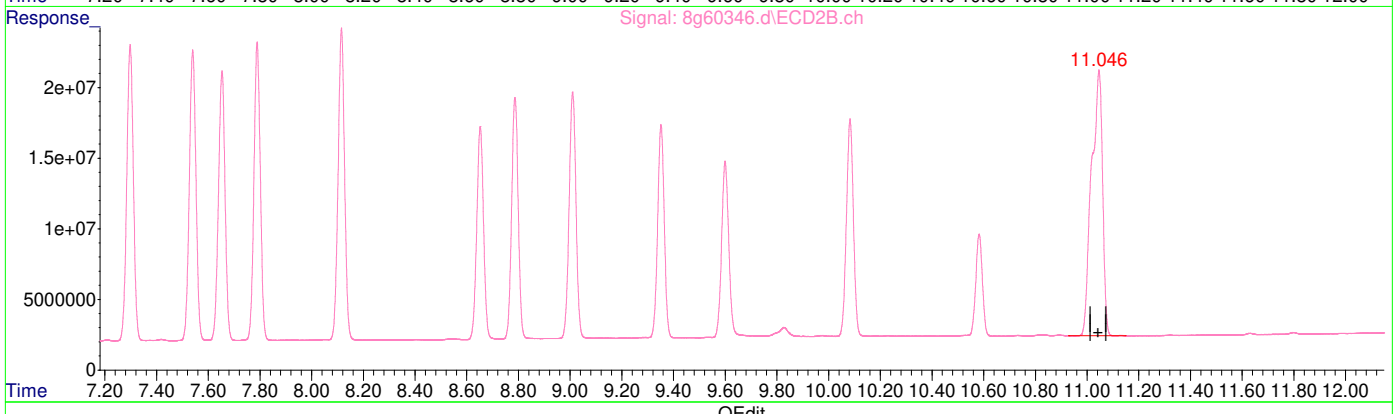
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60346.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 1:06 pm
Operator : rebeccak
Sample : icc2596-2.5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:37:07 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(24) Mirex

8.259min 1.939 PPB

response 112528900

(24) Mirex #2

11.046min 5.500 PPB

response 557048927

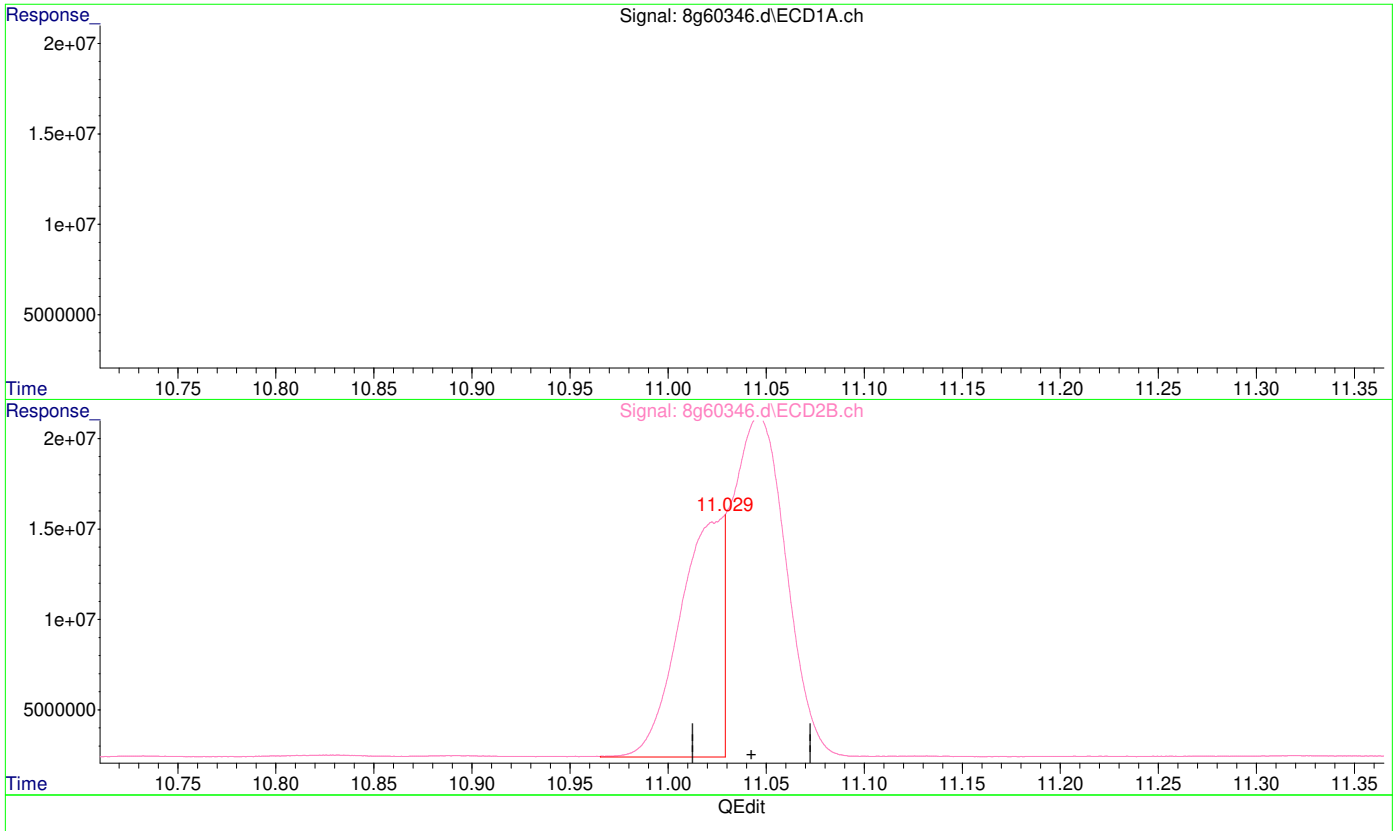
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Sep 18 20:37:39 2024

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60346.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 1:06 pm
Operator : rebeccak
Sample : icc2596-2.5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:37:07 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(24) Mirex

8.259min 1.939 PPB

response 112528900

(24) Mirex #2

11.029min 2.032 PPB m

response 205794987

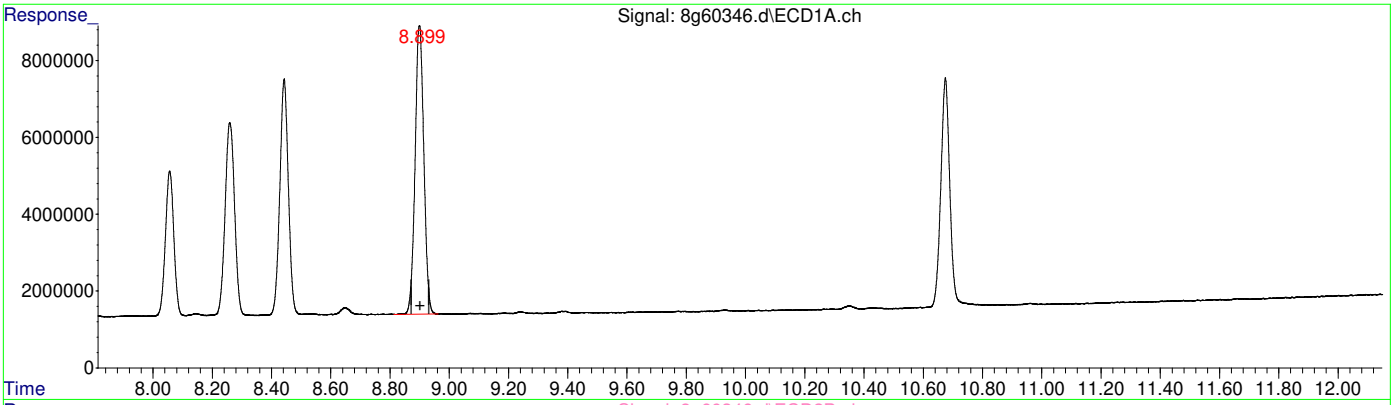
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Sep 18 20:37:54 2024

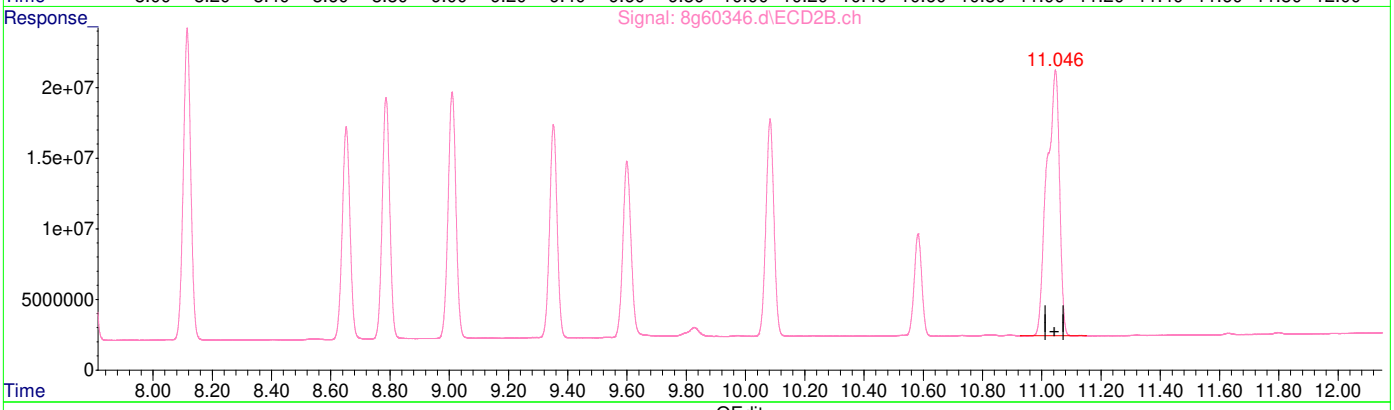
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60346.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 1:06 pm
Operator : rebeccak
Sample : icc2596-2.5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:37:07 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(25) Endrin Ketone (B)

8.899min 1.610 PPB

response 154138069

(25) Endrin Ketone #2 (B)

11.046min 2.493 PPB

response 557048927

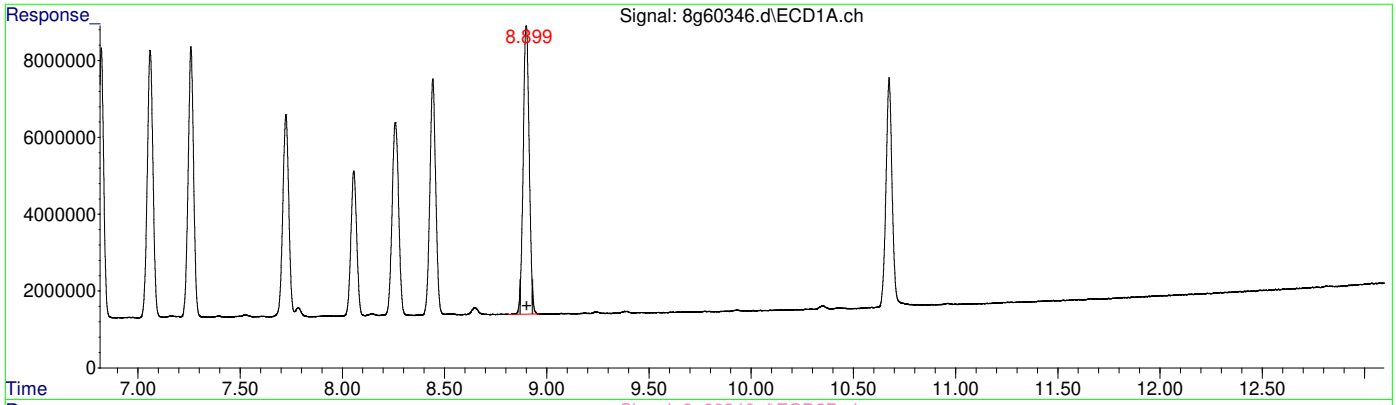
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Sep 18 20:38:01 2024

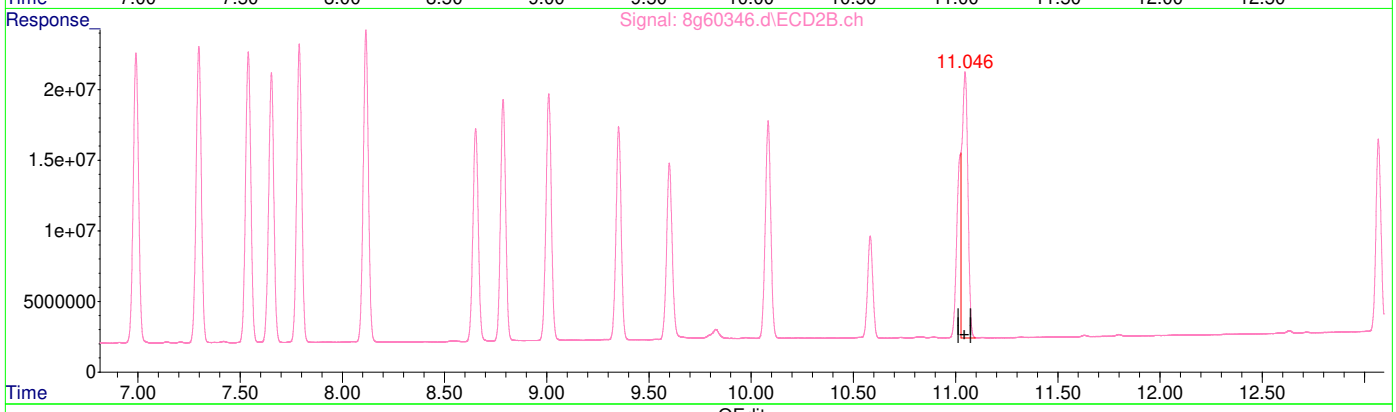
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60346.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 1:06 pm
Operator : rebeccak
Sample : icc2596-2.5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:37:07 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(25) Endrin Ketone (B)

8.899min 1.610 PPB

response 154138069

(25) Endrin Ketone #2 (B)

11.046min 1.682 PPB m

response 375702399

(+) = Expected Retention Time
8PSTLVI2596a.M Wed Sep 18 20:38:20 2024

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 09/24/24 10:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60347.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 1:29 pm
Operator : rebeccak
Sample : ic2596-5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:33:19 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
		Internal Standards						
1)	I	1-bromo-2...	2.423	2.794	273.6E6	655.0E6	5.000	5.000
27)	I	1-bromo-2...	2.423	2.794	273.6E6	655.0E6	5.000	5.000
33)	I	1-bromo-2...	2.423	2.794	273.6E6	655.0E6	5.000	5.000
		System Monitoring Compounds						
2)	SAB	Tetrachlo...	2.973	3.682	268.7E6	787.2E6	4.516	4.593
		Spiked Amount 40.000	Range 30 - 150		Recovery =		11.29%#	11.48%#
26)	SA	Decachlor...	10.673	13.068	249.4E6	460.0E6	4.258	4.678
		Spiked Amount 40.000			Recovery =		10.65%	11.70%
		Target Compounds						
3)		hexachlor...	3.317	4.261	411.2E6	780.7E6	4.022	3.983
4)	A	alpha-BHC	3.470	4.429	419.1E6	1013.8E6	3.725	3.304
5)	MA	gamma-BHC	3.788	4.916	376.8E6	871.9E6	3.639	3.593
6)	MA	Heptachlor	4.325	5.585	364.7E6	761.2E6	3.611	3.678
7)	B	beta-BHC	3.863	4.993	160.8E6	407.1E6	3.165	3.140
8)	B	delta-BHC	4.067	5.446	381.7E6	853.7E6	3.428	3.374
9)	MB	Aldrin	4.692	6.098	336.3E6	802.6E6	3.619	3.648
10)		alachlor	4.842	5.839	44724173	110.3E6	3.795	4.063
11)	B	Heptachlo...	5.471	6.989	316.5E6	748.6E6	3.336	3.544
12)	B	gamma-Chl...	5.643	7.297	326.7E6	752.6E6	3.544	3.618
13)	B	alpha-Chl...	5.827	7.539	321.0E6	739.5E6	3.505	3.577
14)	A	Endosulfan I	6.027	7.651	293.8E6	680.9E6	3.439	3.537
15)	B	4,4'-DDE	5.928	7.790	329.8E6	721.3E6	3.440	3.446
16)	MA	Dieldrin	6.371	8.115	324.0E6	773.4E6	3.681	3.368
17)	MA	Endrin	6.719	8.652	256.6E6	557.5E6	4.079	4.019
18)	A	4,4'-DDD	6.820	8.786	266.4E6	603.5E6	2.399	2.368
19)	B	Endosulfa...	7.060	9.009	281.0E6	647.5E6	3.414	3.564
20)	MA	4,4'-DDT	7.259	9.351	279.8E6	548.2E6	3.879	4.068
21)	B	Endrin Al...	7.724	9.599	215.9E6	468.6E6	3.073	3.172
22)	B	Endosulfa...	8.443	10.082	254.1E6	576.0E6	3.247	3.438
23)	A	Methoxychlor	8.057	10.582	147.6E6	256.3E6	3.625	3.984
24)		Mirex	8.260	11.031	221.2E6	443.6E6	3.784	4.391m
25)	B	Endrin Ke...	8.900	11.046	316.0E6	762.5E6	3.277	3.422m

SemiQuant Compounds - Not Calibrated on this Instrument

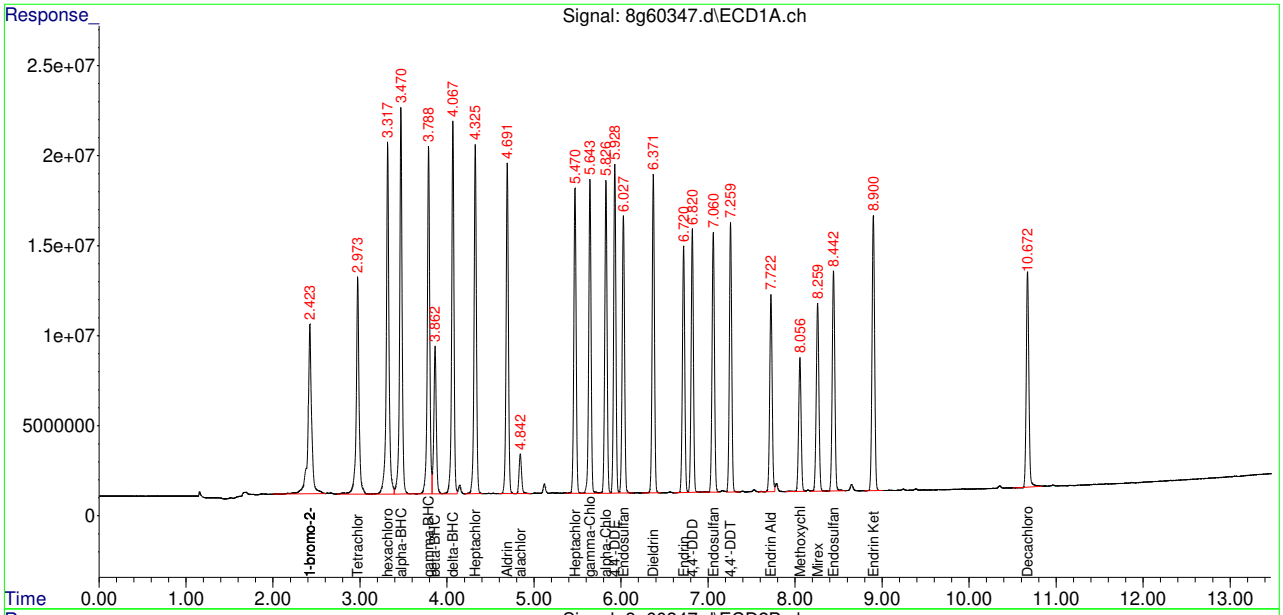
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

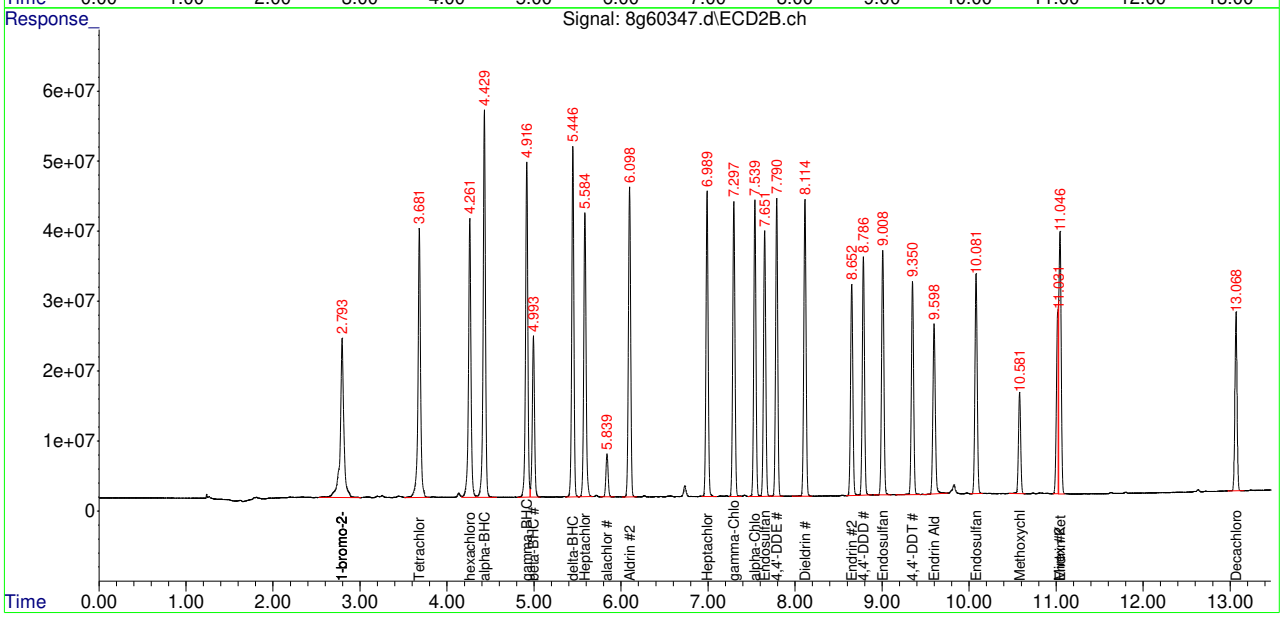
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60347.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 1:29 pm
Operator : rebeccak
Sample : ic2596-5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:33:19 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





Manual Integration Approval Summary

Sample Number: G8G2596-IC2596
Lab FileID: 8G60347.D
Injection Time: 09/18/24 13:29
Method: SW846 8081B
Analyst approved: 09/19/24 07:07 Rebecca Krug
Supervisor approved: 09/24/24 10:58 Gwendolyn Burns

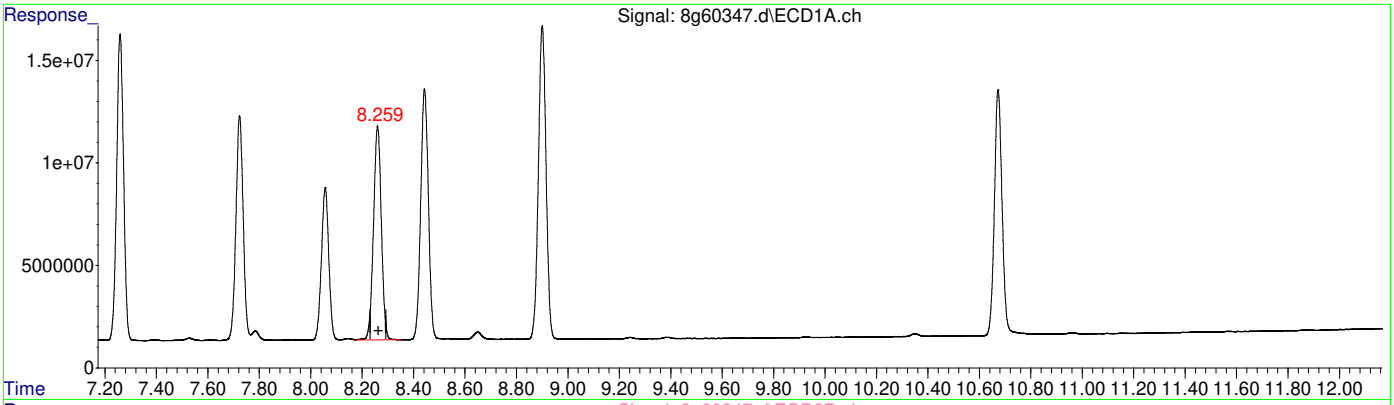
Parameter	CAS	Sig#	R.T. (min.)	Reason
Mirex	2385-85-5	2	11.03	Poorly defined baseline
Endrin ketone	53494-70-5	2	11.05	Poorly defined baseline

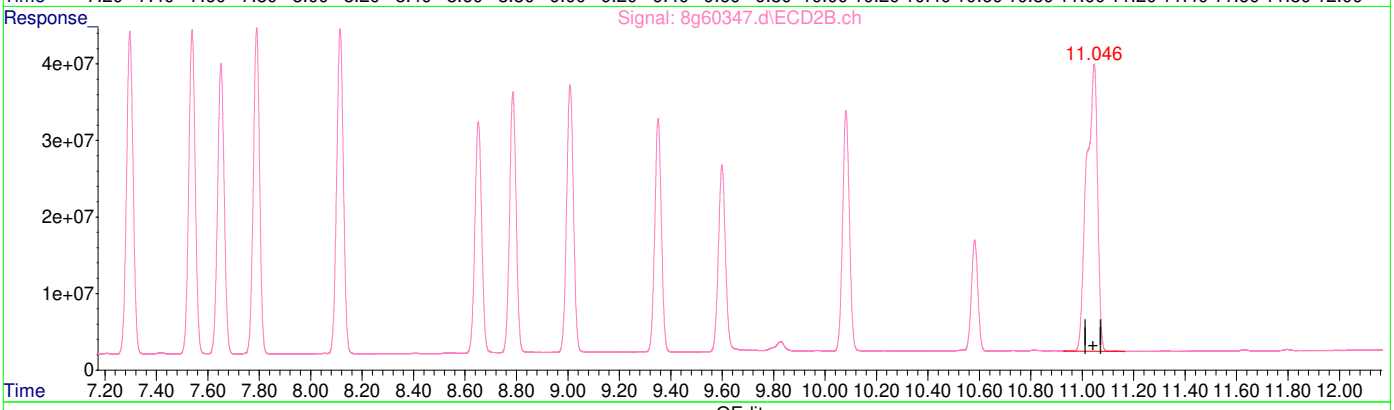
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60347.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 1:29 pm
Operator : rebeccak
Sample : ic2596-5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:25:29 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(24) Mirex

8.260min 3.784 PPB

response 221210108

(24) Mirex #2

11.046min 10.972 PPB

response 1108218594

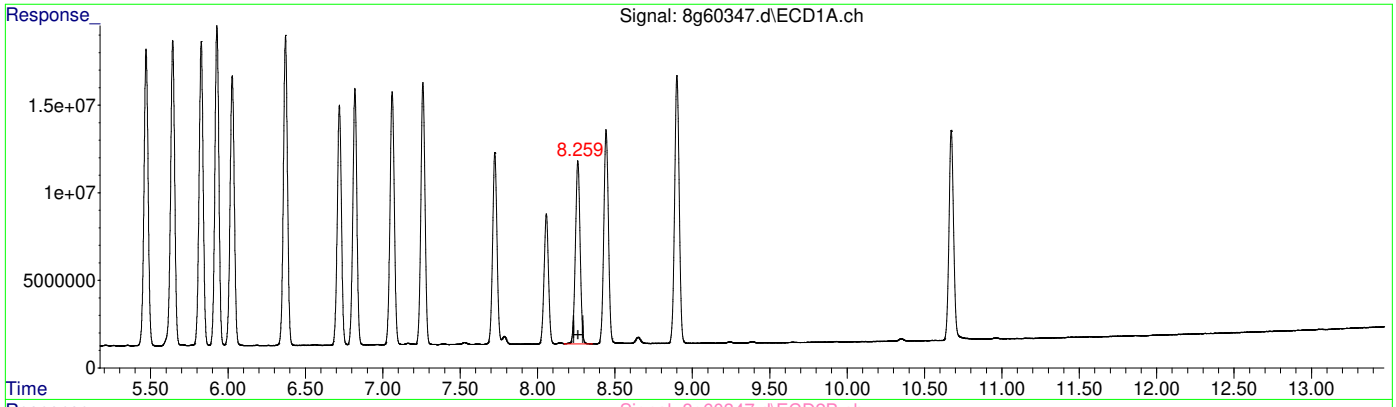
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Sep 18 20:32:06 2024

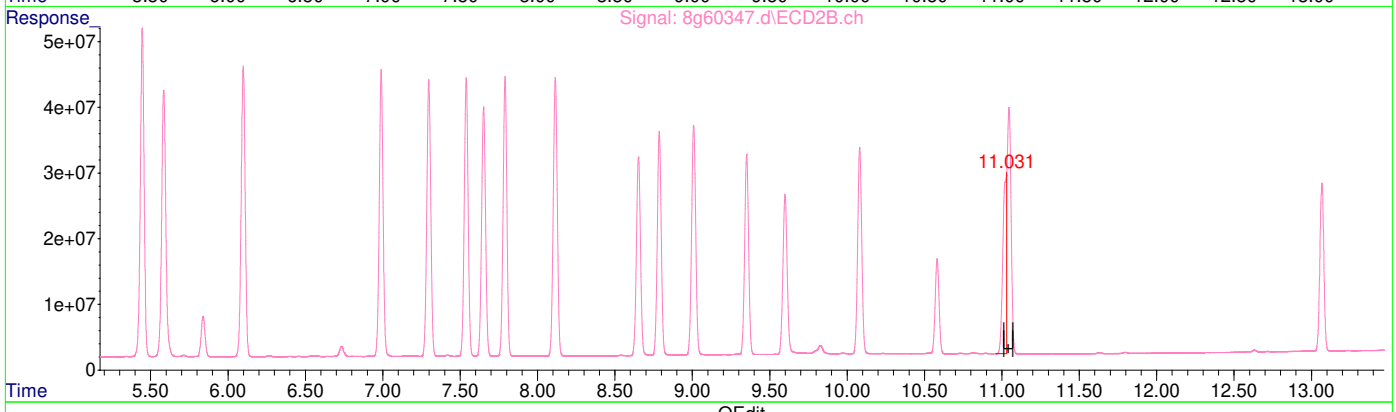
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60347.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 1:29 pm
Operator : rebeccak
Sample : ic2596-5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:25:29 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(24) Mirex

8.260min 3.784 PPB

response 221210108

(24) Mirex #2

11.031min 4.391 PPB m

response 443550806

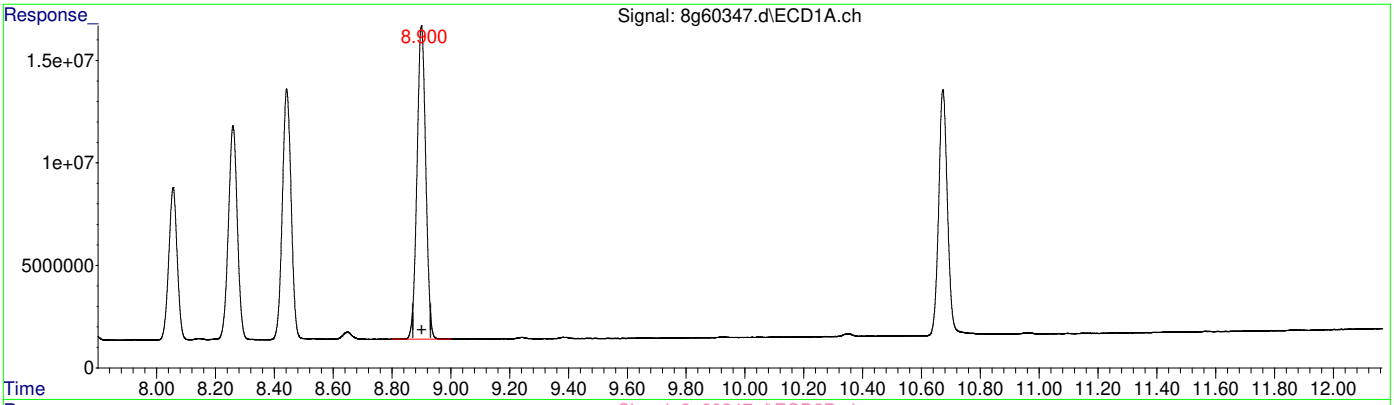
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Sep 18 20:32:46 2024

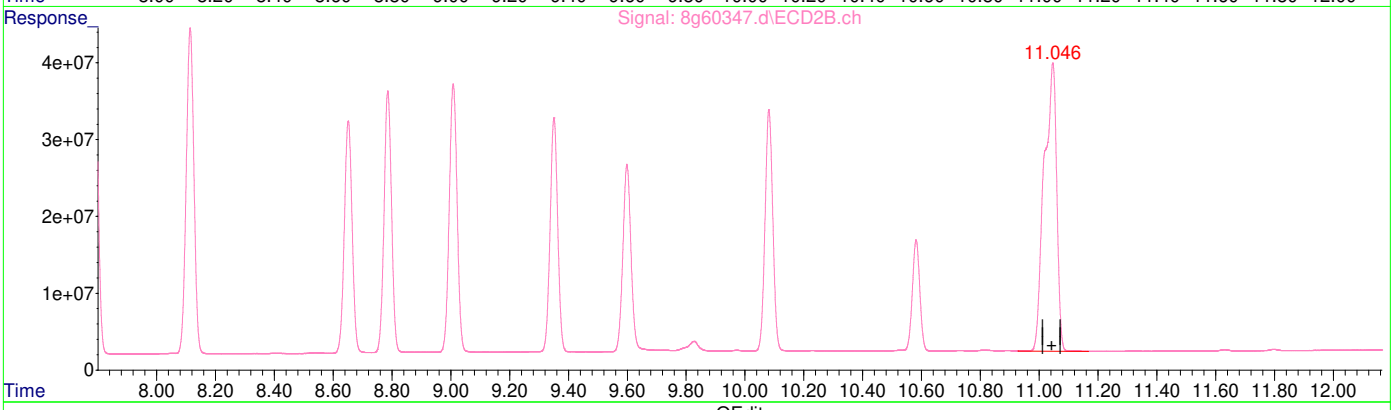
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60347.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 1:29 pm
Operator : rebeccak
Sample : ic2596-5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:25:29 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(25) Endrin Ketone (B)

8.900min 3.277 PPB

response 315975451

(25) Endrin Ketone #2 (B)

11.046min 4.974 PPB

response 1108218594

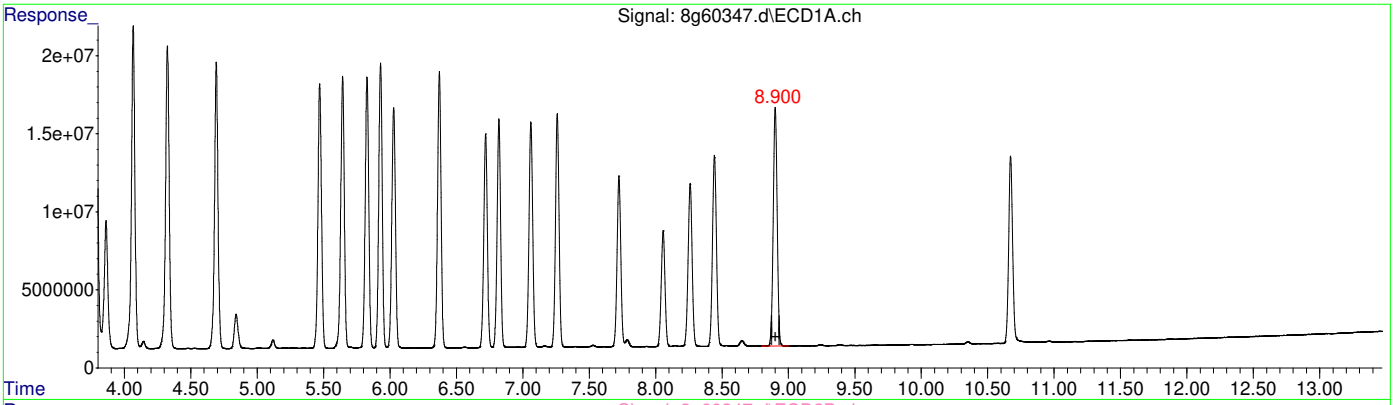
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Sep 18 20:32:50 2024

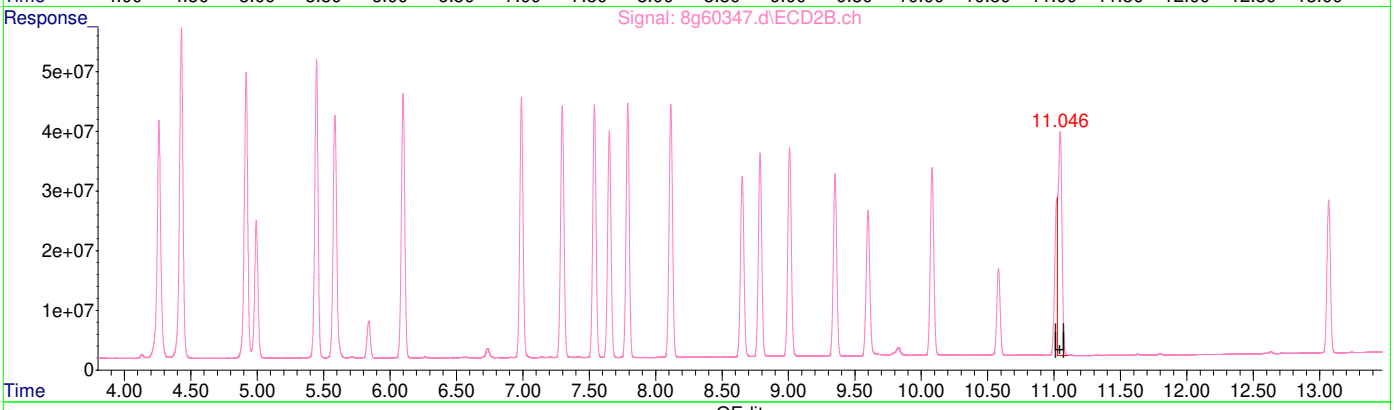
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60347.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 1:29 pm
Operator : rebeccak
Sample : ic2596-5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:25:29 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(25) Endrin Ketone (B)

8.900min 3.277 PPB

response 315975451

(25) Endrin Ketone #2 (B)

11.046min 3.422 PPB m

response 762462187

(+) = Expected Retention Time
8PSTLVI2596a.M Wed Sep 18 20:33:25 2024

8G60348.D

Manual Integrations APPROVED (compounds with "m" flag)

Gwendolyn Burns 09/24/24 10:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60348.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 1:51 pm
Operator : rebeccak
Sample : ic2596-7.5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 06:54:41 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
		Internal Standards						
1)	I	1-bromo-2...	2.424	2.794	243.9E6	636.5E6	5.000	5.000
27)	I	1-bromo-2...	2.424	2.794	243.9E6	636.5E6	5.000	5.000
33)	I	1-bromo-2...	2.424	2.794	243.9E6	636.5E6	5.000	5.000
		System Monitoring Compounds						
2)	SAB	Tetrachlo...	2.973	3.682	406.2E6	1155.7E6	7.658	6.938
		Spiked Amount 40.000	Range 30 - 150		Recovery =		19.15%#	17.34%#
26)	SA	Decachlor...	10.674	13.068	378.6E6	677.3E6	7.253	7.088
		Spiked Amount 40.000			Recovery =		18.13%	17.72%
		Target Compounds						
3)		hexachlor...	3.318	4.261	615.3E6	1144.9E6	6.752	6.011
4)	A	alpha-BHC	3.470	4.429	648.6E6	1492.5E6	6.467	5.005
5)	MA	gamma-BHC	3.788	4.916	579.8E6	1289.8E6	6.281	5.470
6)	MA	Heptachlor	4.325	5.585	554.7E6	1125.0E6	6.161	5.594
7)	B	beta-BHC	3.863	4.994	240.9E6	598.9E6	5.320	4.754
8)	B	delta-BHC	4.068	5.447	591.5E6	1263.2E6	5.960	5.137
9)	MB	Aldrin	4.693	6.097	516.1E6	1181.9E6	6.230	5.529
10)		alachlor	4.842	5.838	63879681	158.0E6	6.081	5.989
11)	B	Heptachlo...	5.472	6.990	479.0E6	1094.9E6	5.664	5.335
12)	B	gamma-Chl...	5.643	7.297	494.1E6	1112.0E6	6.013	5.501
13)	B	alpha-Chl...	5.827	7.538	489.9E6	1091.8E6	6.000	5.435
14)	A	Endosulfan I	6.028	7.651	445.1E6	1005.8E6	5.844	5.377
15)	B	4,4'-DDE	5.929	7.789	505.5E6	1069.1E6	5.916	5.255
16)	MA	Dieldrin	6.372	8.114	494.9E6	1144.9E6	6.309	5.131
17)	MA	Endrin	6.720	8.651	394.0E6	828.0E6	7.026	6.143
18)	A	4,4'-DDD	6.819	8.786	409.2E6	885.2E6	4.134	3.574
19)	B	Endosulfa...	7.060	9.008	426.3E6	954.6E6	5.811	5.406
20)	MA	4,4'-DDT	7.259	9.351	430.9E6	818.3E6	6.702	6.249
21)	B	Endrin Al...	7.723	9.598	322.8E6	700.3E6	5.155	4.878
22)	B	Endosulfa...	8.444	10.082	385.6E6	848.9E6	5.528	5.214
23)	A	Methoxychlor	8.056	10.580	218.1E6	377.0E6	6.008	6.029
24)		Mirex	8.260	11.024f	328.9E6	514.4E6	6.313	5.241m
25)	B	Endrin Ke...	8.901	11.046	477.2E6	1155.5E6	5.552	5.337m
		SemiQuant Compounds - Not Calibrated on this Instrument						

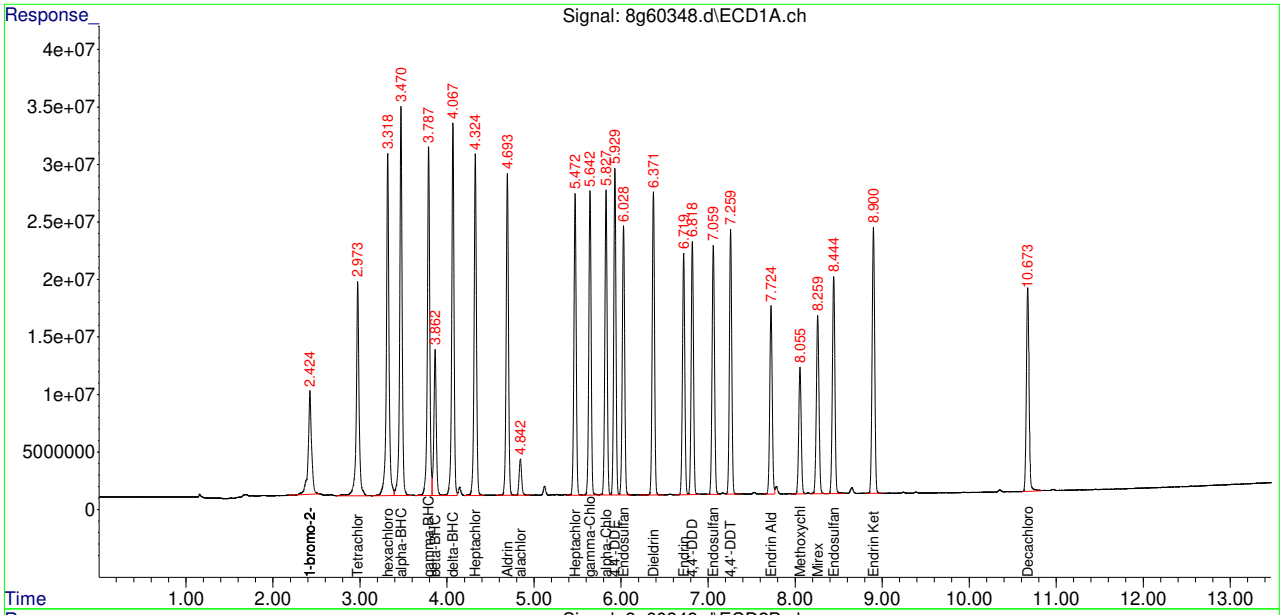
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

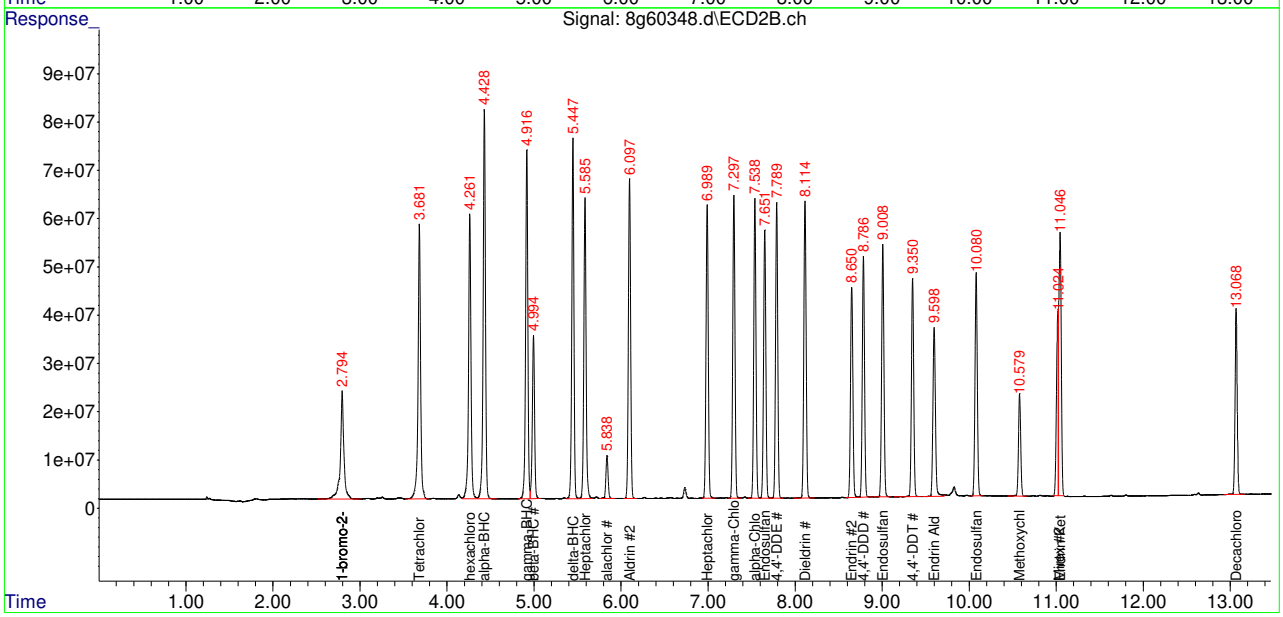
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60348.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 1:51 pm
Operator : rebeccak
Sample : ic2596-7.5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 06:54:41 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





Manual Integration Approval Summary

Sample Number: G8G2596-IC2596
Lab FileID: 8G60348.D
Injection Time: 09/18/24 13:51
Method: SW846 8081B
Analyst approved: 09/19/24 07:07 Rebecca Krug
Supervisor approved: 09/24/24 10:58 Gwendolyn Burns

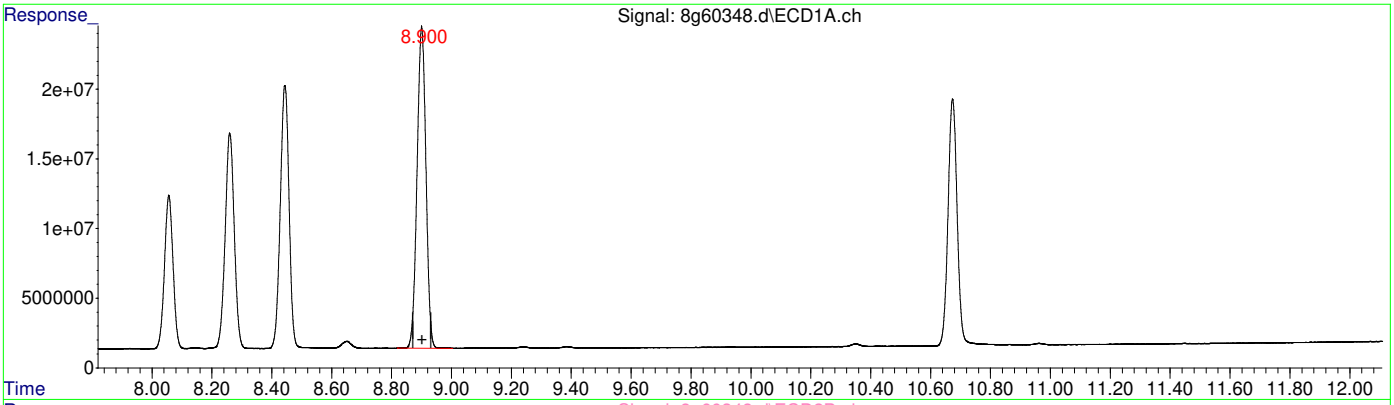
Parameter	CAS	Sig#	R.T. (min.)	Reason
Mirex	2385-85-5	2	11.02	Poorly defined baseline
Endrin ketone	53494-70-5	2	11.05	Poorly defined baseline

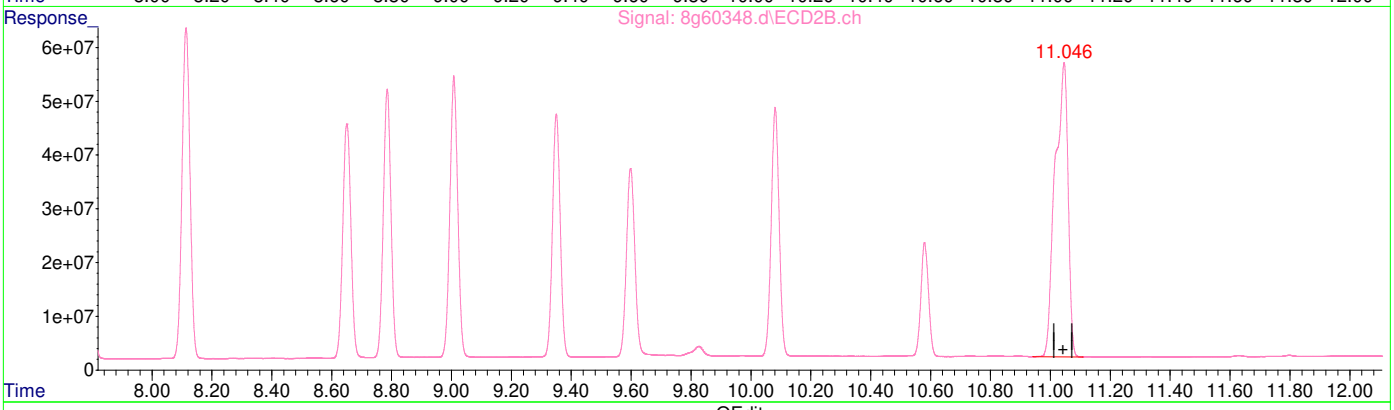
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60348.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 1:51 pm
Operator : rebeccak
Sample : ic2596-7.5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:34:08 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(25) Endrin Ketone (B)

8.901min 5.552 PPB

response 477180499

(25) Endrin Ketone #2 (B)

11.046min 7.578 PPB

response 1640565645

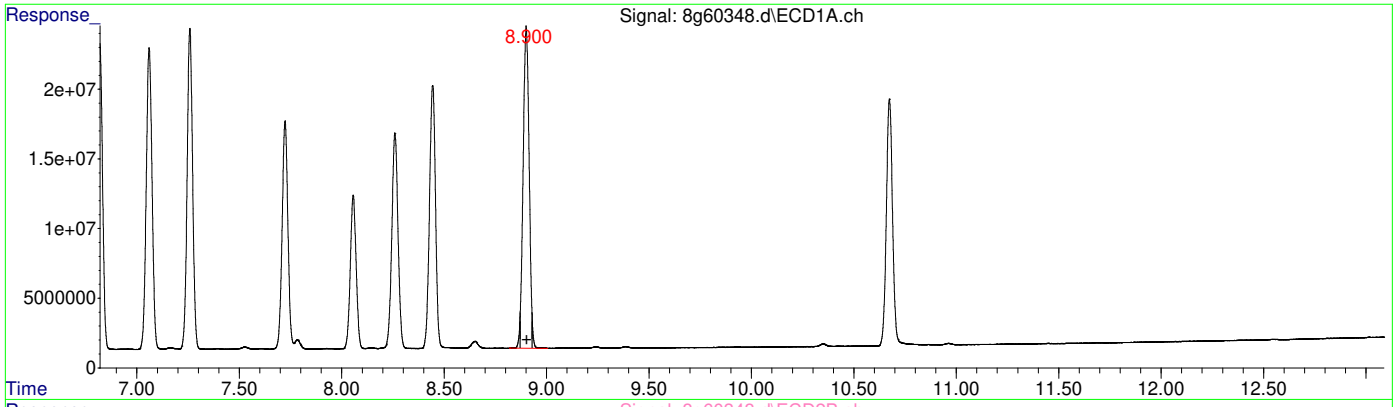
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Sep 19 06:54:14 2024

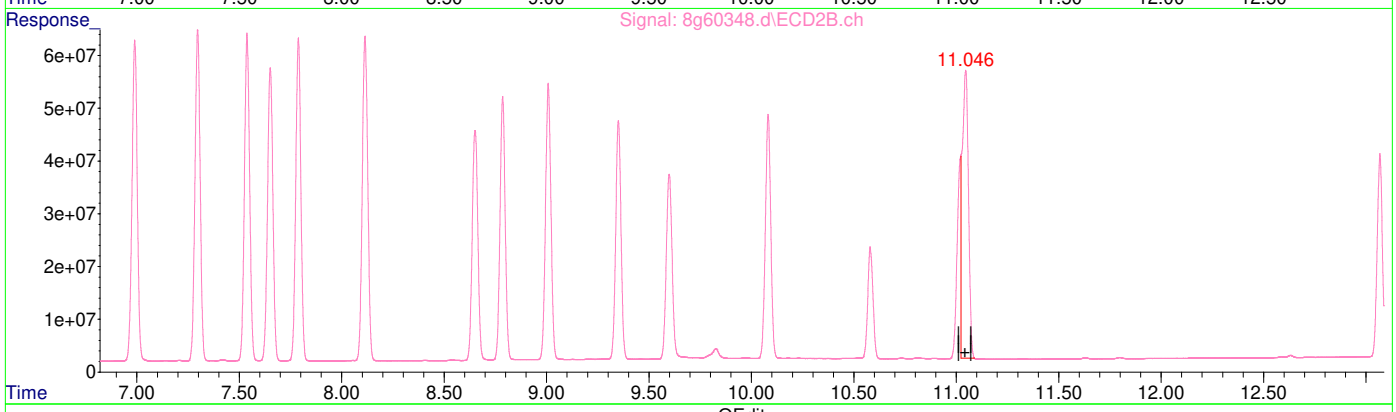
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60348.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 1:51 pm
Operator : rebeccak
Sample : ic2596-7.5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:34:08 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(25) Endrin Ketone (B)

8.901min 5.552 PPB

response 477180499

(25) Endrin Ketone #2 (B)

11.046min 5.337 PPB m

response 1155504983

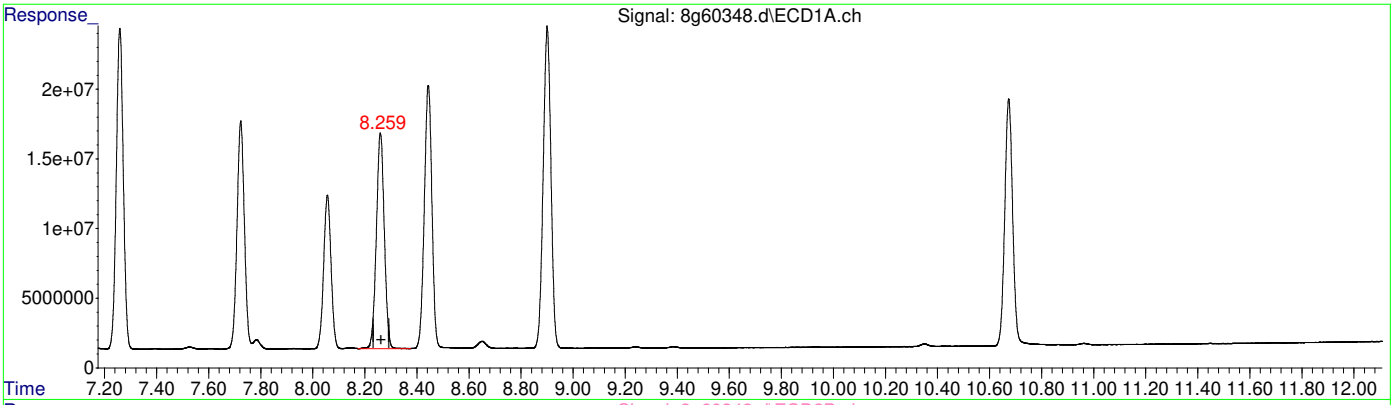
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Sep 19 06:54:29 2024

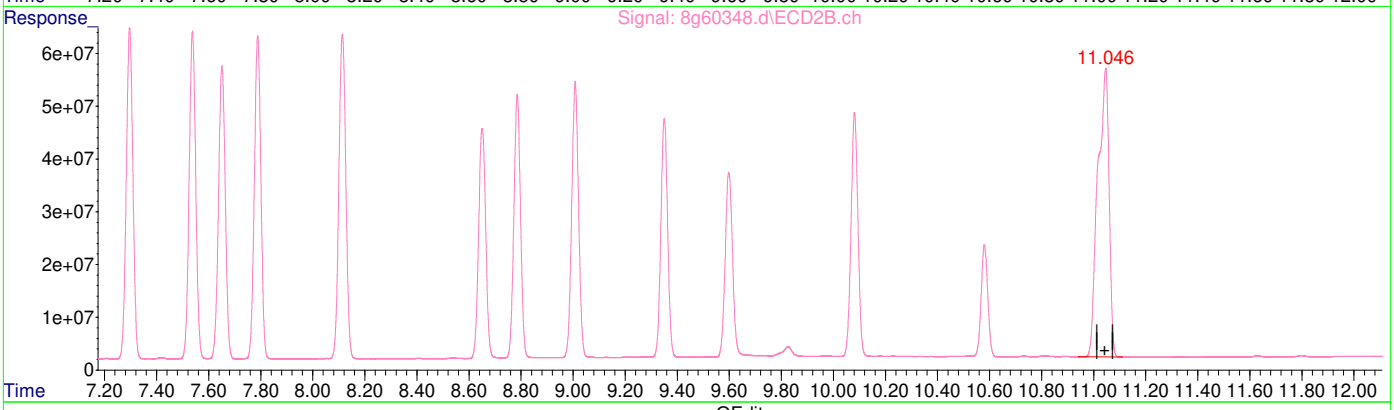
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60348.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 1:51 pm
Operator : rebeccak
Sample : ic2596-7.5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:34:08 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(24) Mirex

8.260min 6.313 PPB

response 328936707

(24) Mirex #2

11.046min 16.715 PPB

response 1640565645

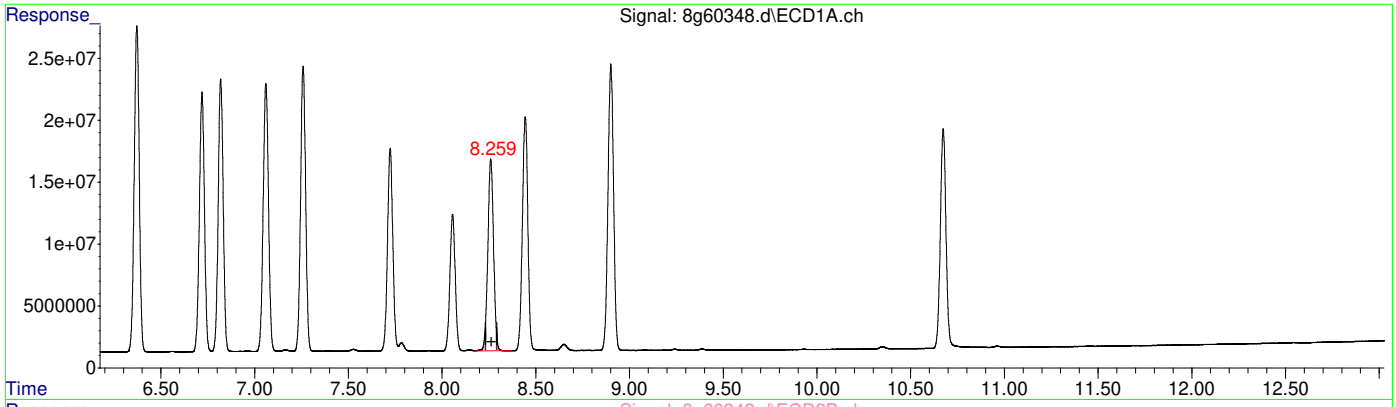
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Sep 19 06:54:33 2024

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60348.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 1:51 pm
Operator : rebeccak
Sample : ic2596-7.5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:34:08 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(24) Mirex

8.260min 6.313 PPB

response 328936707

(24) Mirex #2

11.024min 5.241 PPB m

response 514404650

(+) = Expected Retention Time

8PSTLVI2596a.M Thu Sep 19 06:54:45 2024

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 09/24/24 10:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60349.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 2:14 pm
Operator : rebeccak
Sample : ic2596-10 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:36:27 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
		Internal Standards						
1)	I	1-bromo-2...	2.422	2.792	261.9E6	642.1E6	5.000	5.000
27)	I	1-bromo-2...	2.422	2.792	261.9E6	642.1E6	5.000	5.000
33)	I	1-bromo-2...	2.422	2.792	261.9E6	642.1E6	5.000	5.000
		System Monitoring Compounds						
2)	SAB	Tetrachlo...	2.972	3.680	566.4E6	1566.9E6	9.942	9.326
		Spiked Amount 40.000	Range 30 - 150		Recovery =		24.86%#	23.32%#
26)	SA	Decachlor...	10.674	13.063	520.6E6	926.2E6	9.285	9.610
		Spiked Amount 40.000			Recovery =		23.21%	24.02%
		Target Compounds						
3)		hexachlor...	3.317	4.259	851.6E6	1546.6E6	8.699	8.051
4)	A	alpha-BHC	3.470	4.427	918.8E6	2046.1E6	8.528	6.803
5)	MA	gamma-BHC	3.788	4.914	817.1E6	1769.6E6	8.241	7.440
6)	MA	Heptachlor	4.325	5.582	770.9E6	1516.4E6	7.972	7.476
7)	B	beta-BHC	3.863	4.991	333.6E6	815.6E6	6.859	6.418
8)	B	delta-BHC	4.067	5.443	830.9E6	1720.2E6	7.795	6.936
9)	MB	Aldrin	4.693	6.094	725.0E6	1609.0E6	8.148	7.462
10)		alachlor	4.842	5.835	84941143	206.0E6	7.528	7.742
11)	B	Heptachlo...	5.471	6.986	662.6E6	1490.2E6	7.294	7.198
12)	B	gamma-Chl...	5.642	7.294	692.1E6	1512.6E6	7.841	7.418
13)	B	alpha-Chl...	5.827	7.535	686.2E6	1485.3E6	7.824	7.331
14)	A	Endosulfan I	6.027	7.647	616.8E6	1362.2E6	7.539	7.220
15)	B	4,4'-DDE	5.928	7.785	706.9E6	1449.8E6	7.701	7.066
16)	MA	Dieldrin	6.372	8.110	689.5E6	1560.7E6	8.182	6.935
17)	MA	Endrin	6.719	8.647	546.8E6	1126.9E6	9.078	8.288
18)	A	4,4'-DDD	6.819	8.782	574.2E6	1200.0E6	5.401	4.804
19)	B	Endosulfa...	7.060	9.005	591.0E6	1293.3E6	7.501	7.261
20)	MA	4,4'-DDT	7.259	9.346	603.4E6	1112.6E6	8.738	8.424
21)	B	Endrin Al...	7.724	9.594	446.0E6	954.9E6	6.632	6.594
22)	B	Endosulfa...	8.443	10.077	533.8E6	1165.9E6	7.124	7.099
23)	A	Methoxychlor	8.056	10.577	296.7E6	517.9E6	7.609	8.211
24)		Mirex	8.260	11.019f	451.7E6	704.4E6	8.070	7.115m
25)	B	Endrin Ke...	8.900	11.039	662.0E6	1556.8E6	7.171	7.129m

SemiQuant Compounds - Not Calibrated on this Instrument

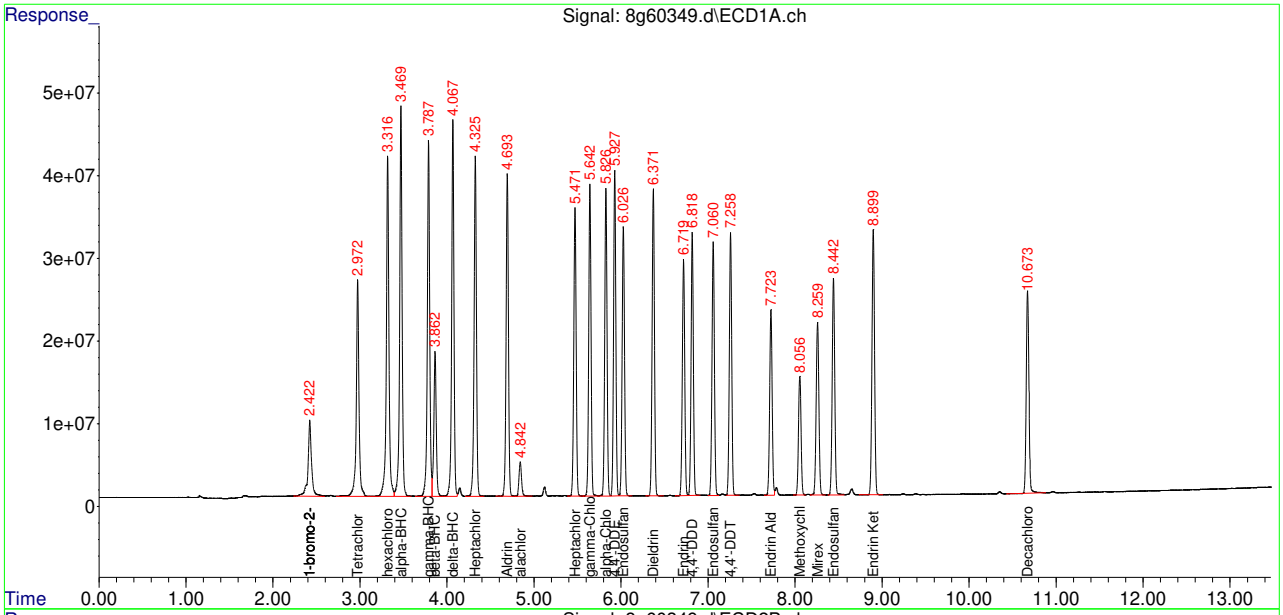
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

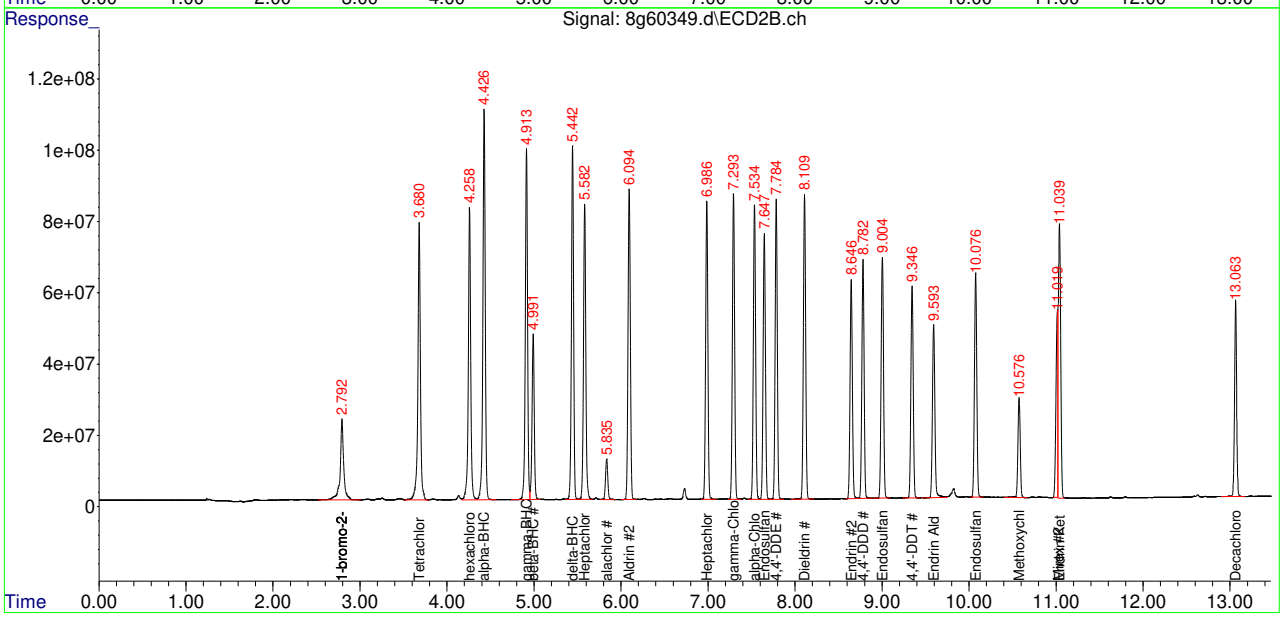
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60349.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 2:14 pm
Operator : rebeccak
Sample : ic2596-10 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:36:27 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





Manual Integration Approval Summary

Sample Number: G8G2596-IC2596
Lab FileID: 8G60349.D
Injection Time: 09/18/24 14:14
Method: SW846 8081B
Analyst approved: 09/19/24 07:07 Rebecca Krug
Supervisor approved: 09/24/24 10:58 Gwendolyn Burns

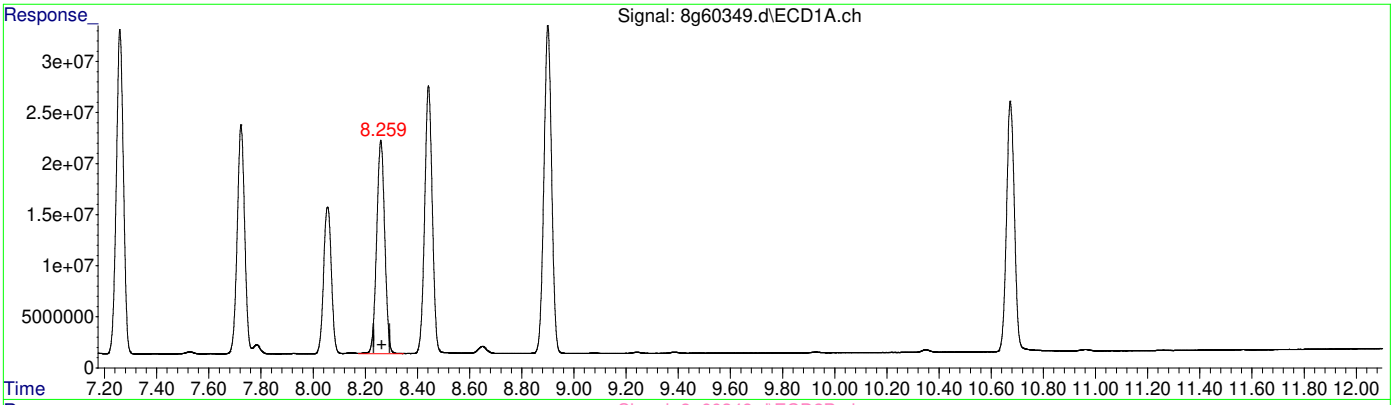
Parameter	CAS	Sig#	R.T. (min.)	Reason
Mirex	2385-85-5	2	11.02	Poorly defined baseline
Endrin ketone	53494-70-5	2	11.04	Poorly defined baseline

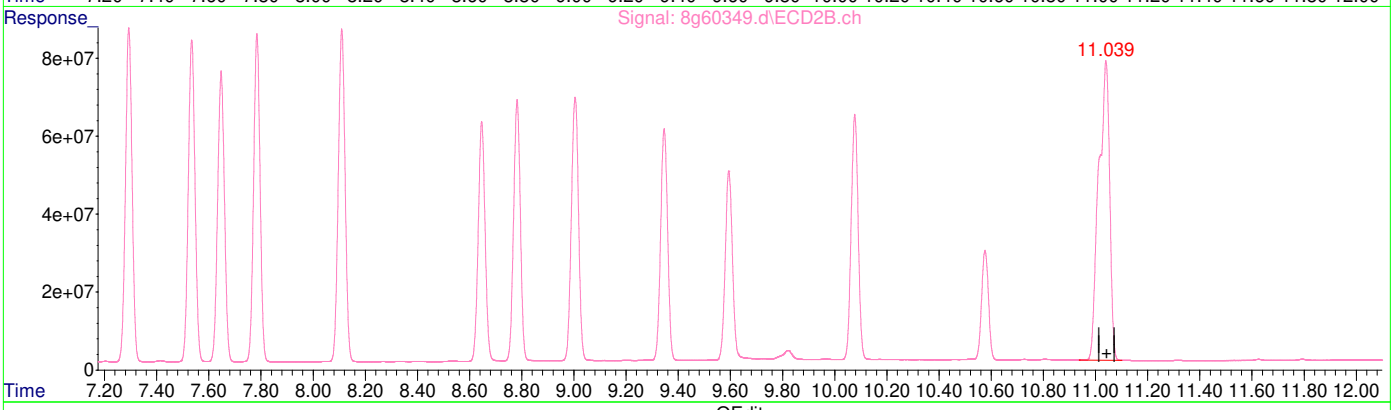
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60349.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 2:14 pm
Operator : rebeccak
Sample : ic2596-10 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:34:58 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(24) Mirex

8.260min 8.070 PPB

response 451690397

(24) Mirex #2

11.040min 22.599 PPB

response 2237296817

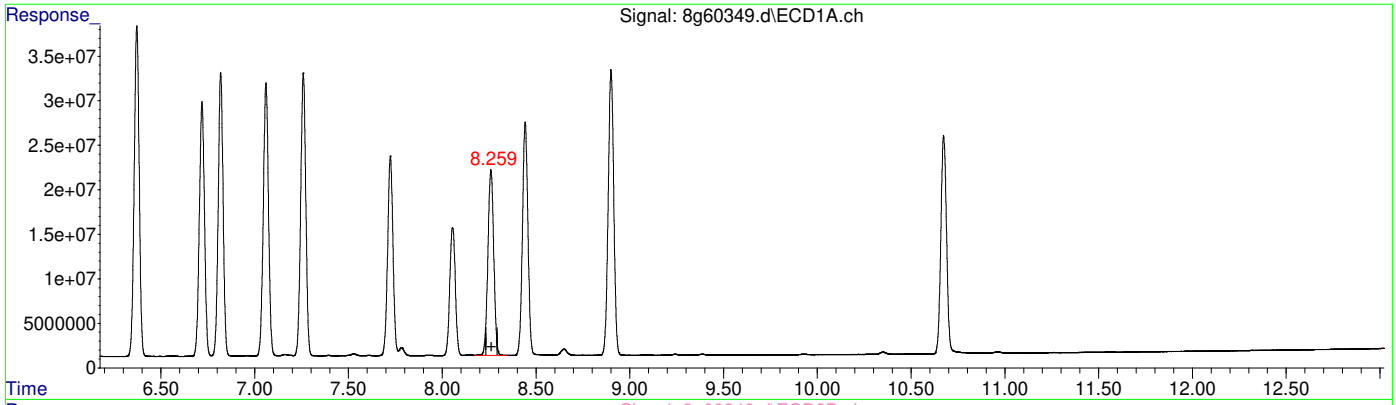
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Sep 18 20:35:33 2024

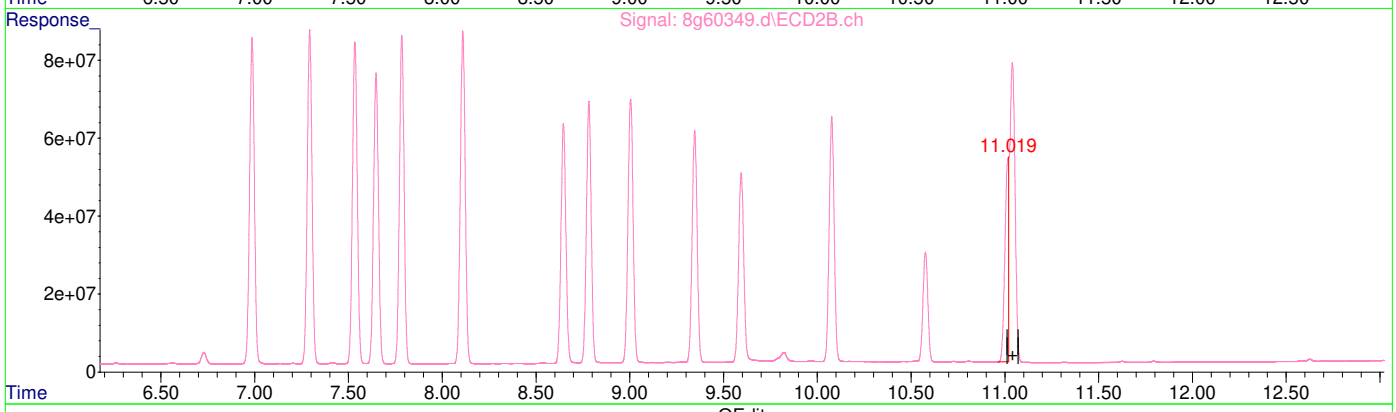
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60349.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 2:14 pm
Operator : rebeccak
Sample : ic2596-10 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:34:58 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(24) Mirex

8.260min 8.070 PPB

response 451690397

(24) Mirex #2

11.019min 7.115 PPB m

response 704391536

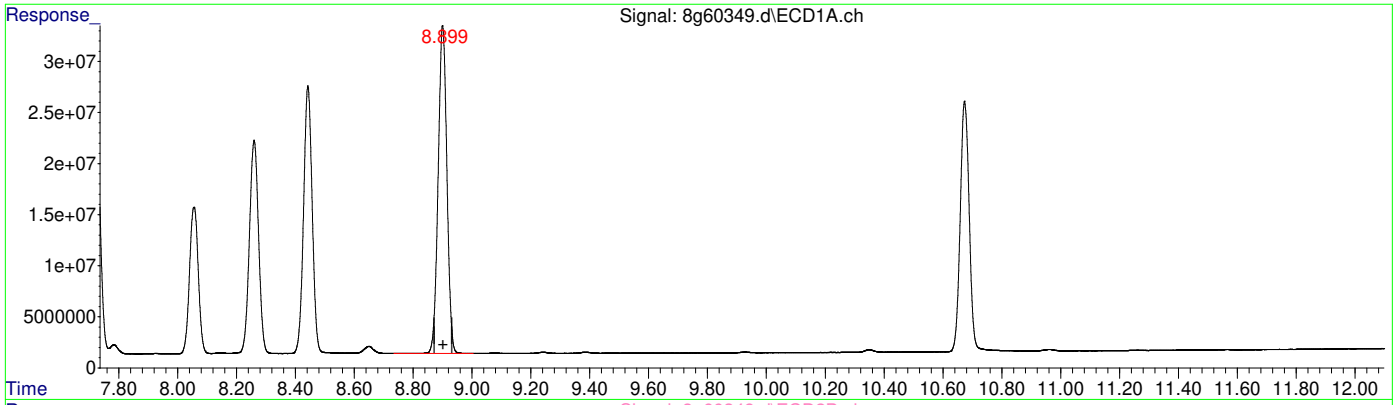
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Sep 18 20:36:06 2024

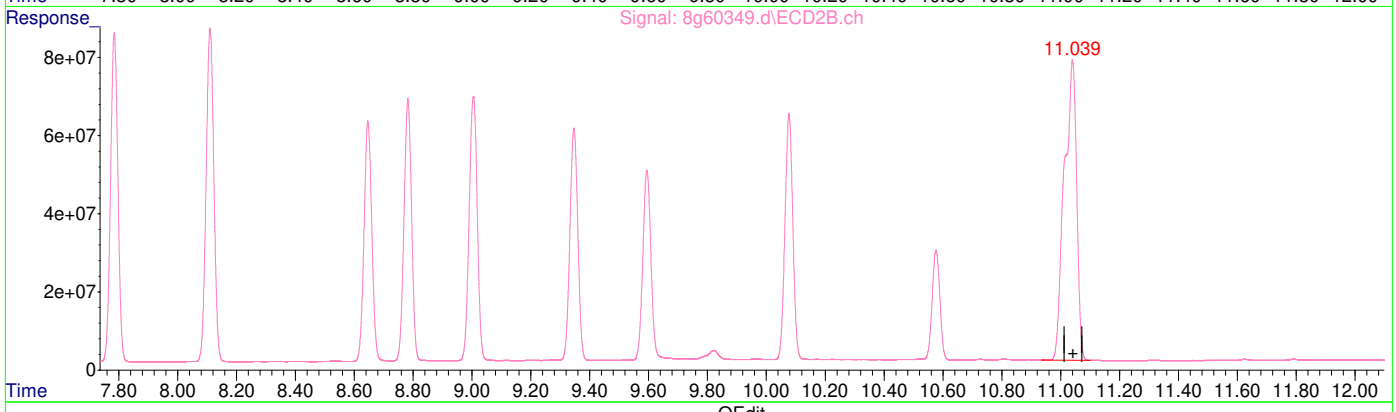
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60349.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 2:14 pm
Operator : rebeccak
Sample : ic2596-10 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:34:58 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(25) Endrin Ketone (B)

8.900min 7.171 PPB

response 662040874

(25) Endrin Ketone #2 (B)

11.040min 10.245 PPB

response 2237296817

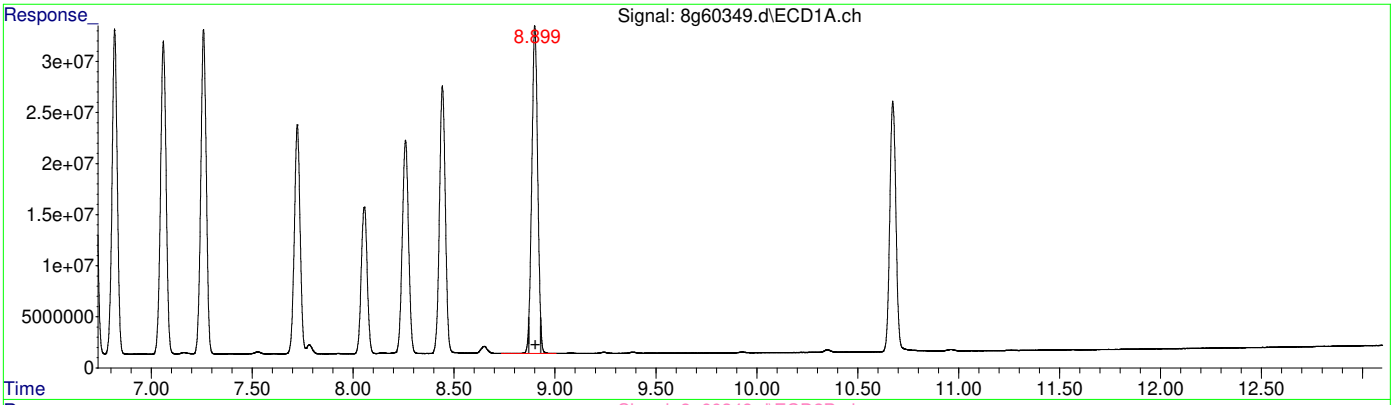
(+) = Expected Retention Time

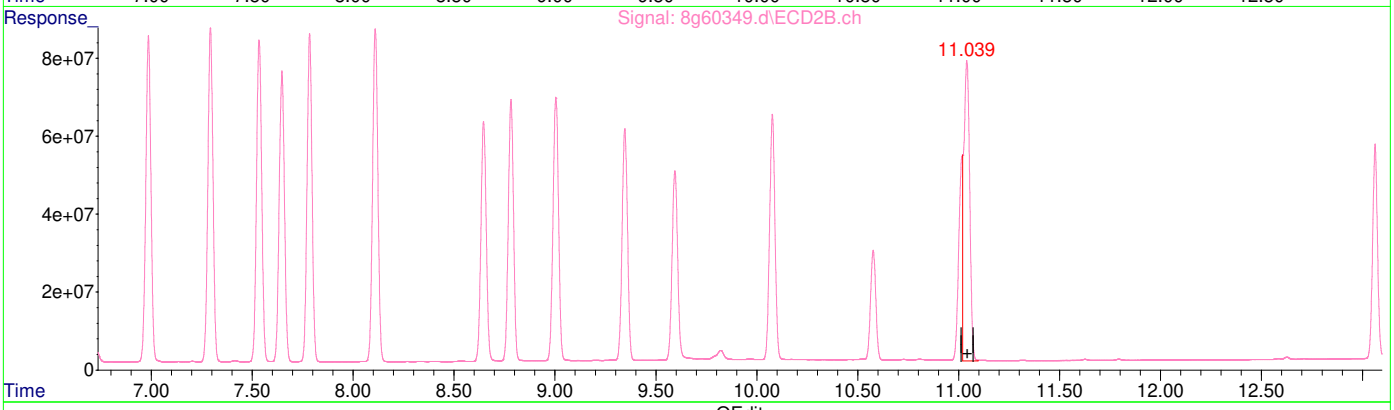
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60349.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 2:14 pm
Operator : rebeccak
Sample : ic2596-10 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:34:58 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(25) Endrin Ketone (B)

8.900min 7.171 PPB

response 662040874

(25) Endrin Ketone #2 (B)

11.039min 7.129 PPB m

response 1556849829

(+) = Expected Retention Time
8PSTLVI2596a.M Wed Sep 18 20:36:33 2024

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 09/24/24 10:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60351.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 3:00 pm
Operator : rebeccak
Sample : ic2596-50 (chlordane)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 07:04:44 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 07:04:06 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1)	I 1-bromo-2...	2.423	2.793	255.8E6	643.8E6	5.000	5.000
27)	I 1-bromo-2...	2.423	2.793	255.8E6	643.8E6	5.000	5.000
33)	I 1-bromo-2...	2.423	2.793	255.8E6	643.8E6	5.000	5.000
	System Monitoring Compounds						
2)	SAB Tetrachlo...	2.973	3.680	314.5E6	796.3E6	6.373	5.048
	Spiked Amount 40.000	Range 30 - 150		Recovery =		15.93%#	12.62%#
26)	SA Decachlor...	10.675	13.062	255.2E6	457.9E6	5.376	5.132
	Spiked Amount 40.000			Recovery =		13.44%	12.83%
	Target Compounds						
34)	Chlordane...	4.325	5.582	197.5E6	438.2E6	120.672	42.469 #
35)	Chlordane...	4.847	6.288	119.1E6	256.2E6	102.398	41.827 #
36)	Chlordane...	5.643	7.293	424.0E6	892.6E6	112.753	44.573 #
37)	Chlordane...	5.820	7.533	650.3E6	1472.8E6	109.112	44.564m#
38)	Chlordane...	6.955	9.096	93073606	209.6E6	112.063	41.566 #
	SemiQuant Compounds - Not Calibrated on this Instrument						

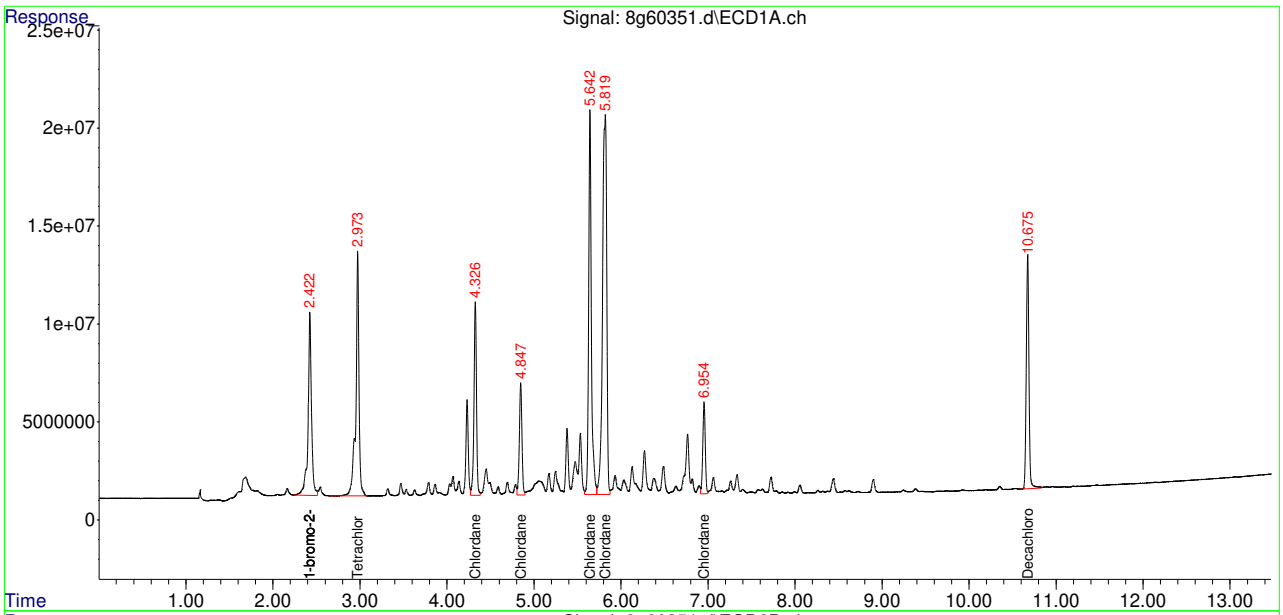
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

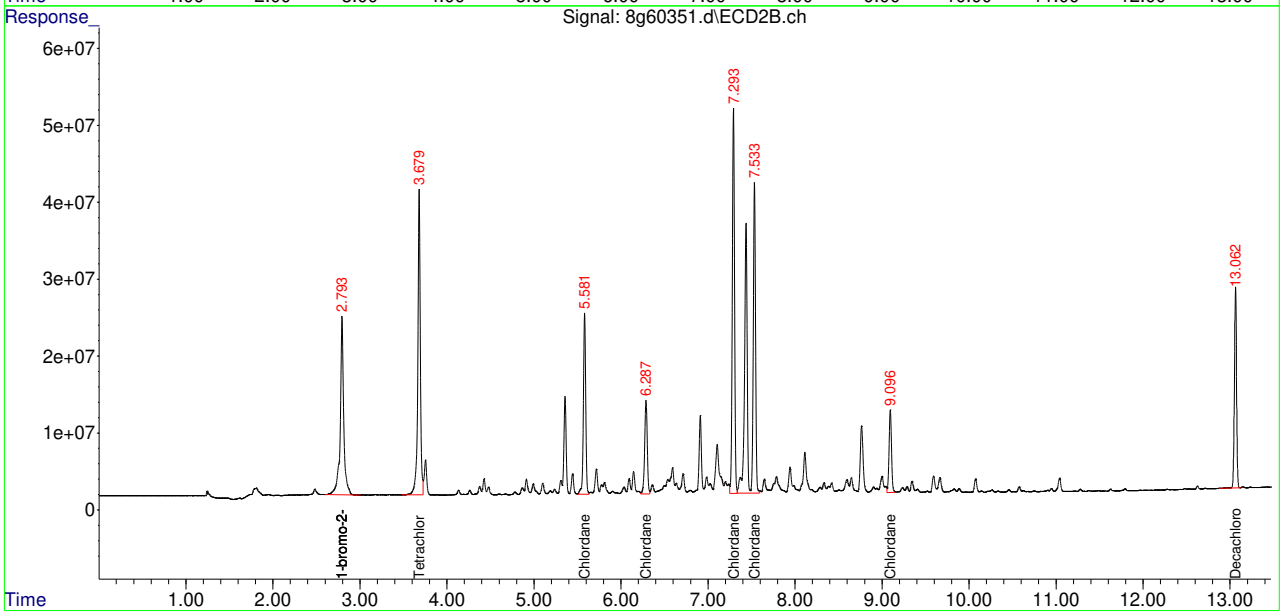
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60351.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 3:00 pm
Operator : rebeccak
Sample : ic2596-50 (chlordane)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 07:04:44 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 07:04:06 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





Manual Integration Approval Summary

Sample Number: G8G2596-IC2596
Lab FileID: 8G60351.D
Injection Time: 09/18/24 15:00

Method: SW846 8081B
Analyst approved: 09/19/24 07:08 Rebecca Krug
Supervisor approved: 09/24/24 10:58 Gwendolyn Burns

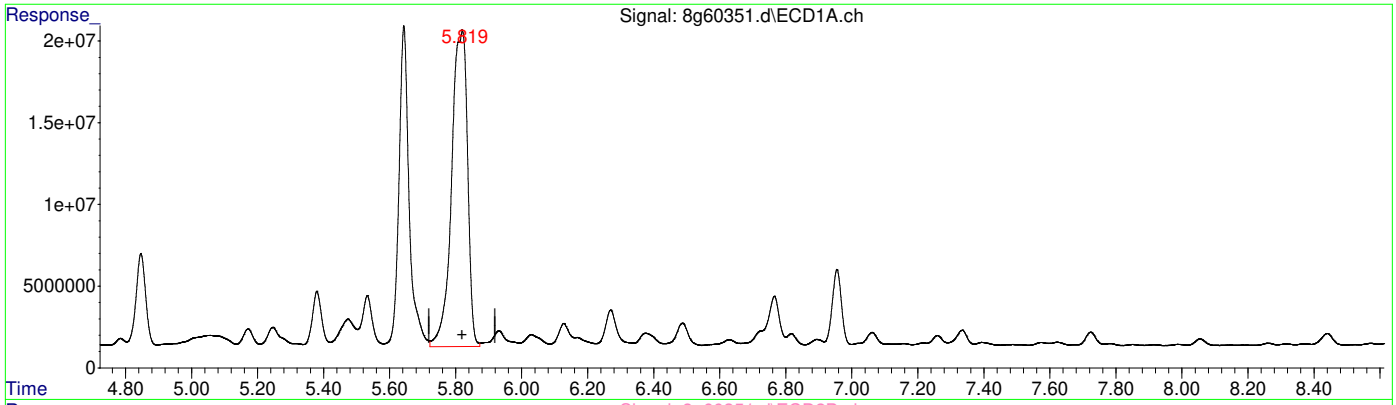
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chlordane-D		2	7.53	Split peak

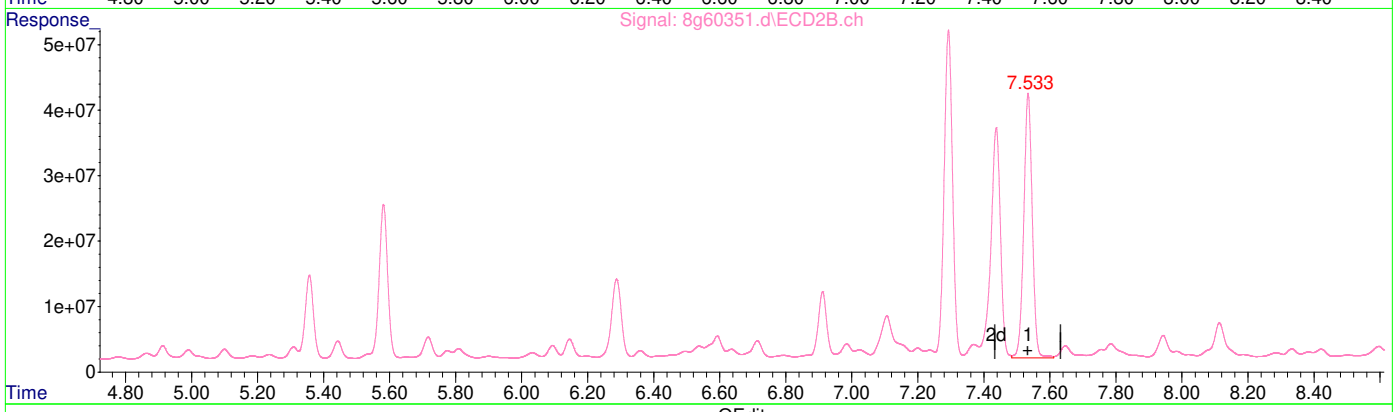
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60351.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 3:00 pm
Operator : rebeccak
Sample : ic2596-50 (chlordane)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 07:04:12 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 07:04:06 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(37) Chlordane {D}

5.820min 109.112 PPB

response 650321055

(37) Chlordane {D} #2

7.534min 21.811 PPB

response 720851481

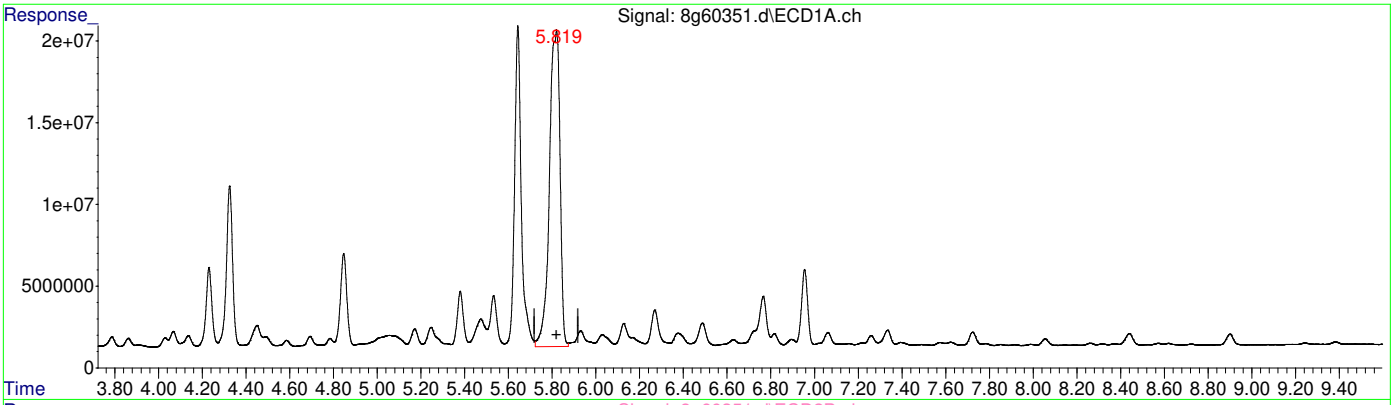
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Sep 19 07:04:22 2024

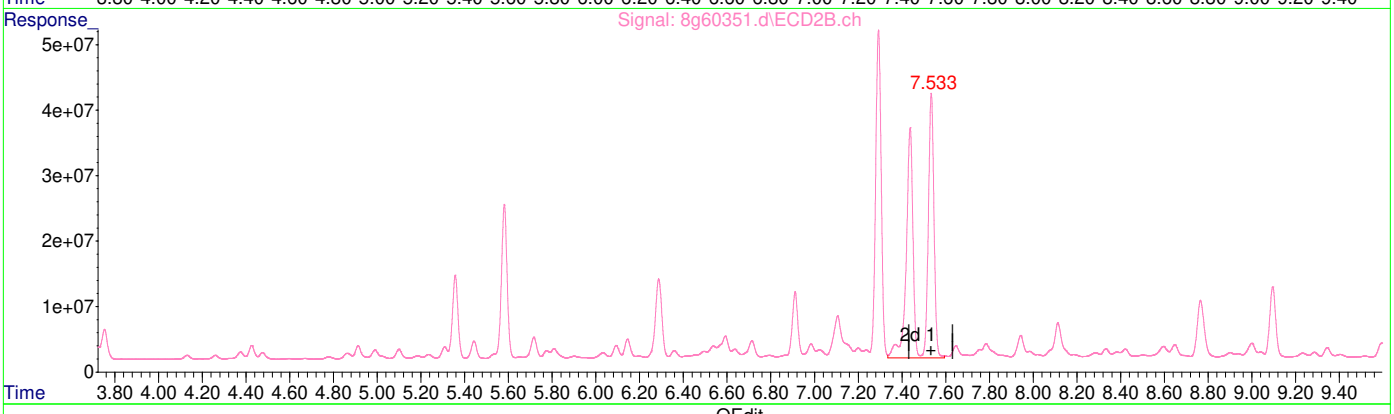
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60351.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 3:00 pm
Operator : rebeccak
Sample : ic2596-50 (chlordane)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 07:04:12 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 07:04:06 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(37) Chlordane {D}

5.820min 109.112 PPB

response 650321055

(37) Chlordane {D} #2

7.533min 44.564 PPB m

response 1472814490

(+) = Expected Retention Time
8PSTLVI2596a.M Thu Sep 19 07:04:32 2024

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 09/24/24 10:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60353.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 3:45 pm
Operator : rebeccak
Sample : ic2596-50 (toxaphene)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 13:28:30 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 07:05:18 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1)	I 1-bromo-2...	2.424	2.793	234.8E6	593.4E6	5.000	5.000
27)	I 1-bromo-2...	2.424	2.793	234.8E6	593.4E6	5.000	5.000
33)	I 1-bromo-2...	2.424	2.793	234.8E6	593.4E6	5.000	5.000
	System Monitoring Compounds						
2)	SAB Tetrachlo...	2.974	3.680	278.0E6	816.6E6	6.135	5.617
	Spiked Amount 40.000	Range 30 - 150		Recovery =		15.34%#	14.04%#
26)	SA Decachlor...	10.674	13.062	248.4E6	467.3E6	5.700	5.682
	Spiked Amount 40.000			Recovery =		14.25%	14.21%
	Target Compounds						
28)	L8 Toxaphene{A}	6.763	8.064	33361425	67520397	238.596m	22.913m#
29)	L8 Toxaphene{B}	7.585	8.248	32245734	44388497	120.975m	42.251m#
30)	L8 Toxaphene{C}	7.692	9.144	87973371	111.1E6	131.924m	64.550m#
31)	L8 Toxaphene{D}	8.113	9.287	56162953	52462715	182.773m	18.033m#
32)	L8 Toxaphene{E}	8.269	10.522	82330893	160.1E6	116.966m	49.305m#
	SemiQuant Compounds - Not Calibrated on this Instrument						

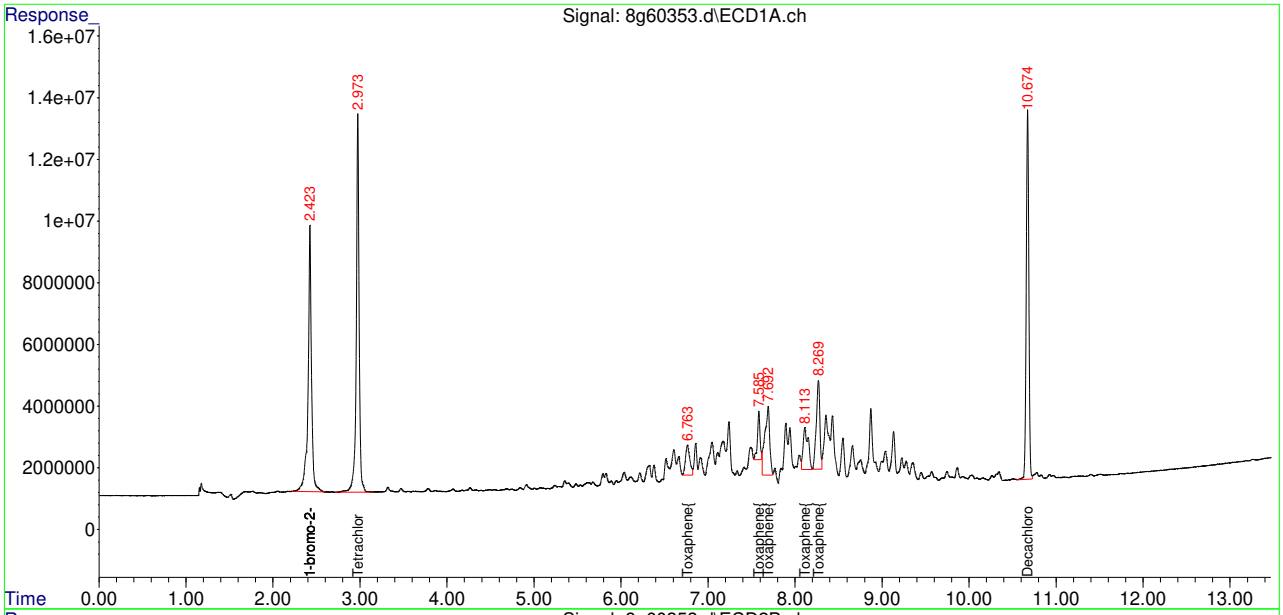
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

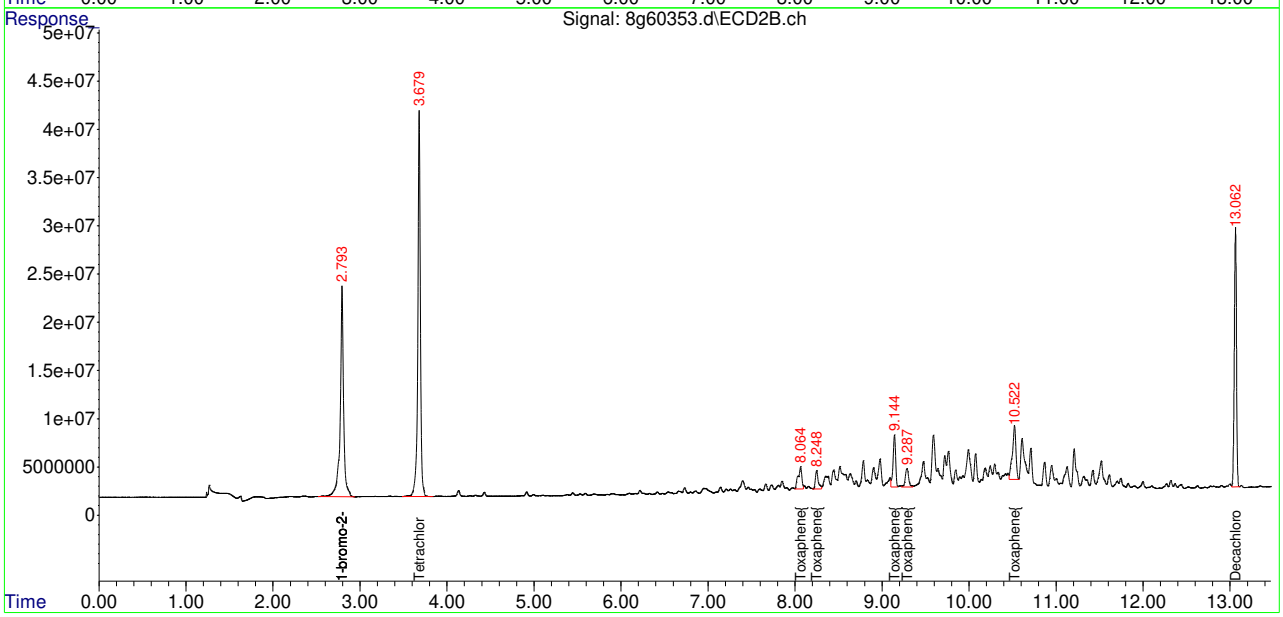
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60353.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 3:45 pm
Operator : rebeccak
Sample : ic2596-50 (toxaphene)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 13:28:30 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 07:05:18 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





Manual Integration Approval Summary

Sample Number: G8G2596-IC2596
Lab FileID: 8G60353.D
Injection Time: 09/18/24 15:45
Method: SW846 8081B
Analyst approved: 09/19/24 13:39 Rebecca Krug
Supervisor approved: 09/24/24 10:58 Gwendolyn Burns

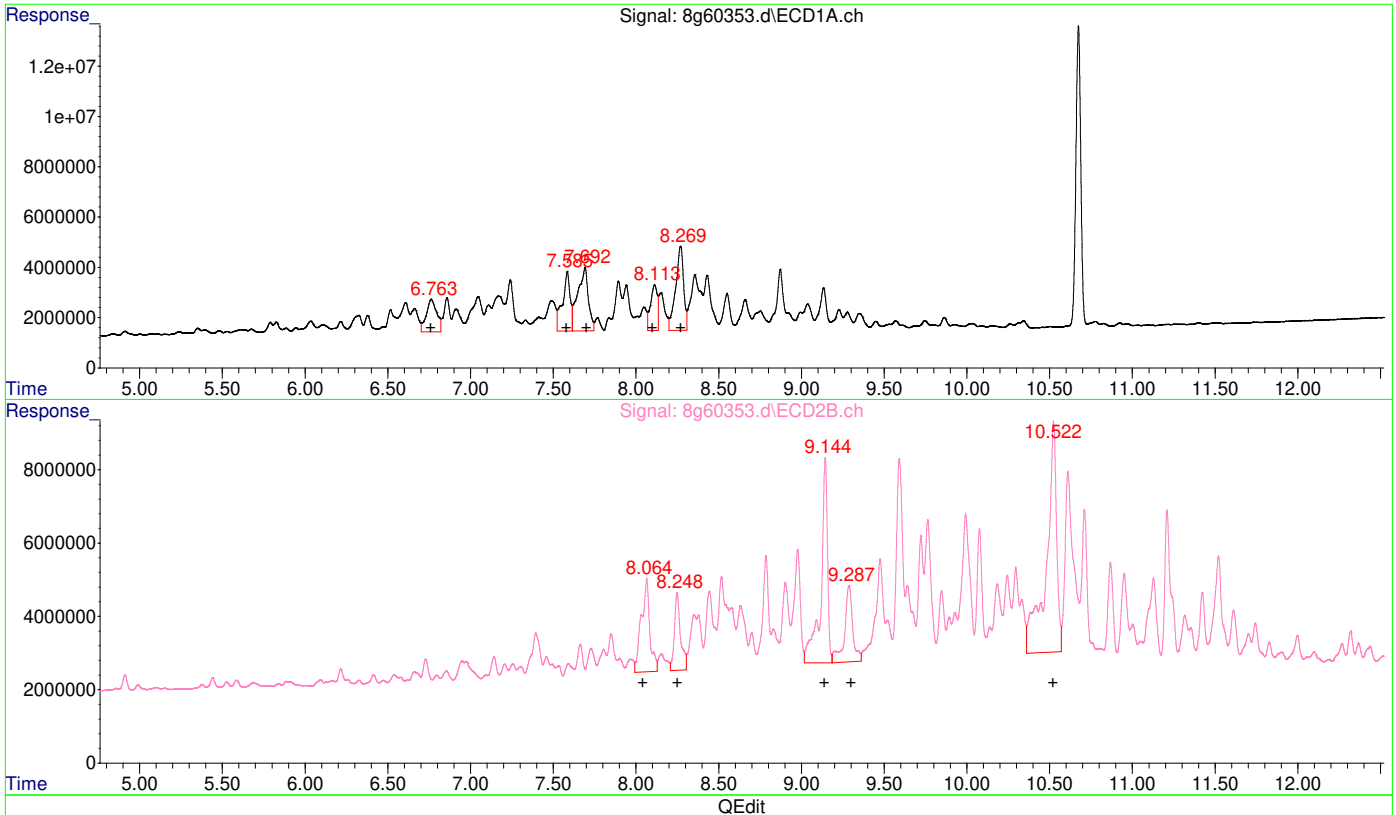
Parameter	CAS	Sig#	R.T. (min.)	Reason
Toxaphene-A		1	6.76	Poorly defined baseline
Toxaphene-B		1	7.59	Poorly defined baseline
Toxaphene-C		1	7.69	Poorly defined baseline
Toxaphene-A		2	8.06	Poorly defined baseline
Toxaphene-D		1	8.11	Poorly defined baseline
Toxaphene-B		2	8.25	Poorly defined baseline
Toxaphene-E		1	8.27	Poorly defined baseline
Toxaphene-C		2	9.14	Poorly defined baseline
Toxaphene-D		2	9.29	Poorly defined baseline
Toxaphene-E		2	10.52	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60353.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 3:45 pm
Operator : rebeccak
Sample : ic2596-50 (toxaphene)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 13:18:23 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 07:05:18 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(28) Toxaphene{A} (L8)

R.T.	Response	Conc
6.76	57131048	408.59
7.58	76465450	286.87
7.69	113485170	170.18
8.11	51940125	169.03
8.27	112092411	159.25

(28) Toxaphene{A} #2 (L8)

R.T.	Response	Conc
8.06	90880608	30.84
8.25	54926049	52.28
9.14	158783348	92.29
9.29	72514099	24.93
10.52	271636124	83.65

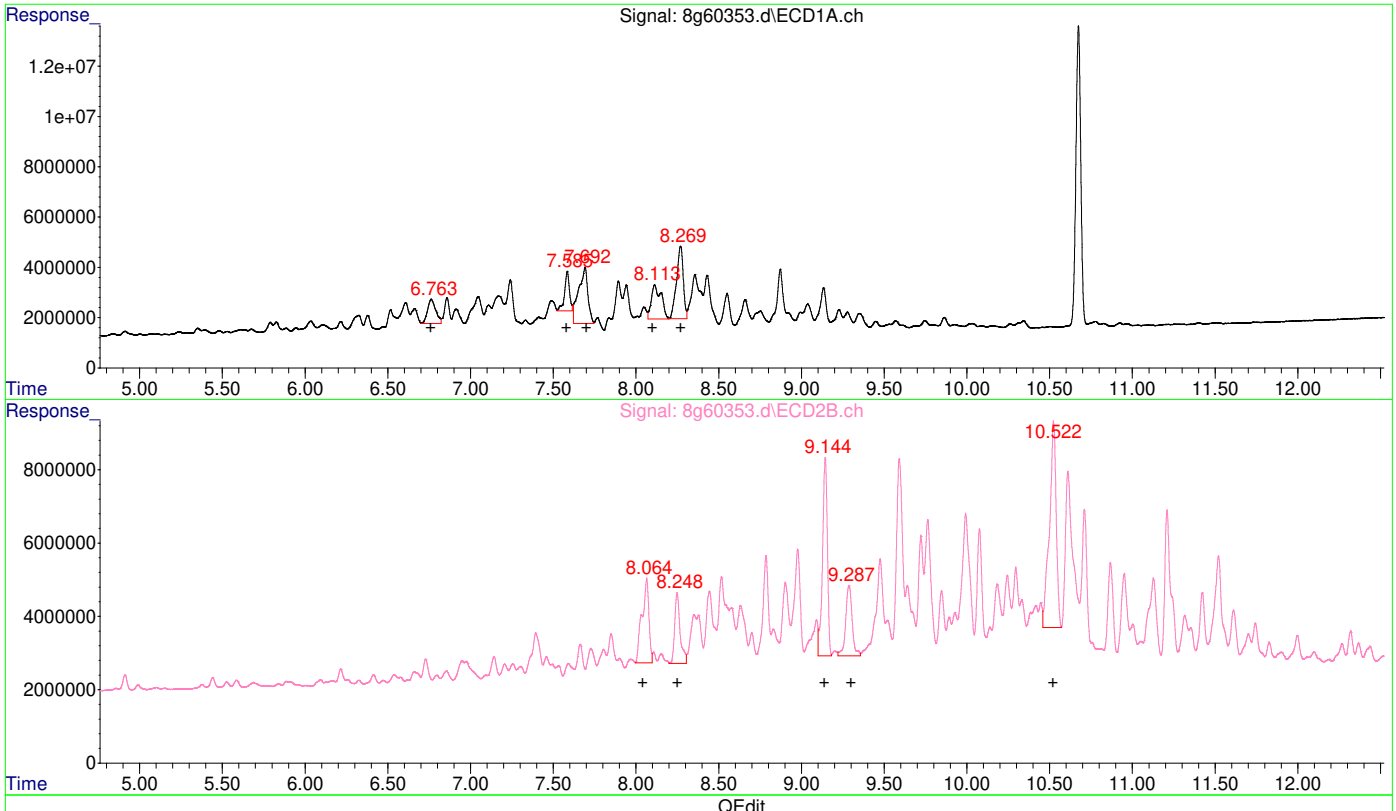
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Sep 19 13:18:32 2024

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60353.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 3:45 pm
Operator : rebeccak
Sample : ic2596-50 (toxaphene)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 13:28:30 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 07:05:18 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(28) Toxaphene{A} (L8)

R.T.	Response	Conc
6.76	33361425	238.60
7.59	32245734	120.98
7.69	87973371	131.92
8.11	56162953	182.77
8.27	82330893	116.97

(28) Toxaphene{A} #2 (L8)

R.T.	Response	Conc
8.06	67520397	22.91
8.25	44388497	42.25
9.14	111061197	64.55
9.29	52462715	18.03
10.52	160117477	49.31

(+) = Expected Retention Time
8PSTLVI2596a.M Thu Sep 19 13:28:45 2024

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 09/24/24 10:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60350.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 2:37 pm
Operator : rebeccak
Sample : icv2596-2.5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 06:58:32 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 06:56:21 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
		Internal Standards						
1)	I	1-bromo-2...	2.422	2.792	260.4E6	653.1E6	5.000	5.000
27)	I	1-bromo-2...	2.422	2.792	260.4E6	653.1E6	5.000	5.000
33)	I	1-bromo-2...	2.422	2.792	260.4E6	653.1E6	5.000	5.000
		System Monitoring Compounds						
2)	SAB	Tetrachlo...	2.973	3.680	150.5E6	453.0E6	2.995	2.831
		Spiked Amount 40.000	Range 30 - 150		Recovery =		7.49%#	7.08%#
26)	SA	Decachlor...	10.675	13.062	141.0E6	259.1E6	2.917	2.863
		Spiked Amount 40.000			Recovery =		7.29%	7.16%
		Target Compounds						
3)		hexachlor...	3.318	4.259	214.7E6	428.5E6	2.713	2.517
4)	A	alpha-BHC	3.470	4.426	205.3E6	508.3E6	2.891	2.557
5)	MA	gamma-BHC	3.788	4.913	189.7E6	464.5E6	2.884	2.642
6)	MA	Heptachlor	4.325	5.582	179.6E6	384.6E6	2.651	2.477
7)	B	beta-BHC	3.862	4.990	83669589	220.7E6	2.695	2.460
8)	B	delta-BHC	4.067	5.443	179.0E6	430.8E6	2.712	2.529
9)	MB	Aldrin	4.693	6.095	171.3E6	430.5E6	2.860	2.677
10)		alachlor	4.842	5.835	25488150	63452099	2.842	2.645
11)	B	Heptachlo...	5.471	6.986	164.1E6	397.6E6	2.778	2.617
12)	B	gamma-Chl...	5.643	7.293	165.4E6	399.0E6	2.627	2.657
13)	B	alpha-Chl...	5.827	7.535	156.6E6	377.2E6	2.671	2.529
14)	A	Endosulfan I	6.028	7.647	149.6E6	353.4E6	2.730	2.585
15)	B	4,4'-DDE	5.929	7.785	163.6E6	372.8E6	2.726	2.578
16)	MA	Dieldrin	6.372	8.110	160.0E6	409.4E6	2.682	2.648
17)	MA	Endrin	6.719	8.647	128.5E6	288.6E6	2.732	2.591
18)	A	4,4'-DDD	6.819	8.782	135.4E6	317.6E6	2.695	2.498
19)	B	Endosulfa...	7.060	9.004	144.9E6	337.7E6	2.761	2.613
20)	MA	4,4'-DDT	7.259	9.346	141.6E6	279.6E6	2.791	2.658
21)	B	Endrin Al...	7.723	9.594	126.8E6	271.2E6	2.938	2.673
22)	B	Endosulfa...	8.443	10.078	127.4E6	301.9E6	2.609	2.585
23)	A	Methoxychlor	8.056	10.576	76833257	132.3E6	2.605	2.532
24)		Mirex	8.259	11.020	119.1E6	192.9E6	2.661	2.576m
25)	B	Endrin Ke...	8.901	11.041	162.0E6	390.9E6	2.621	2.450m

SemiQuant Compounds - Not Calibrated on this Instrument

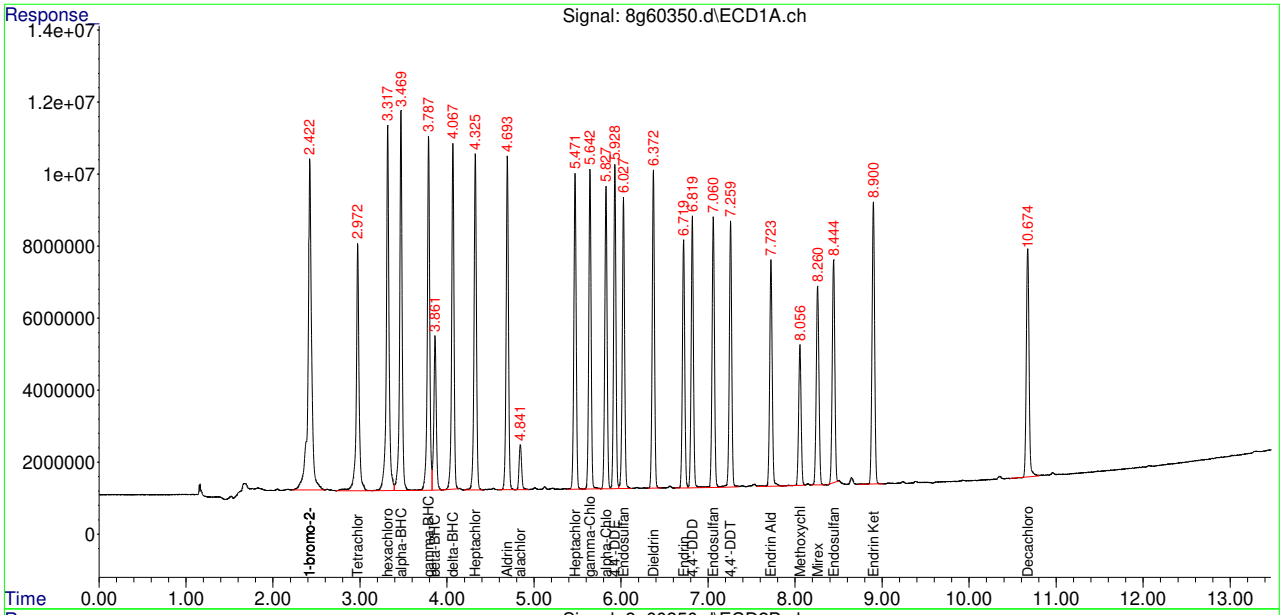
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

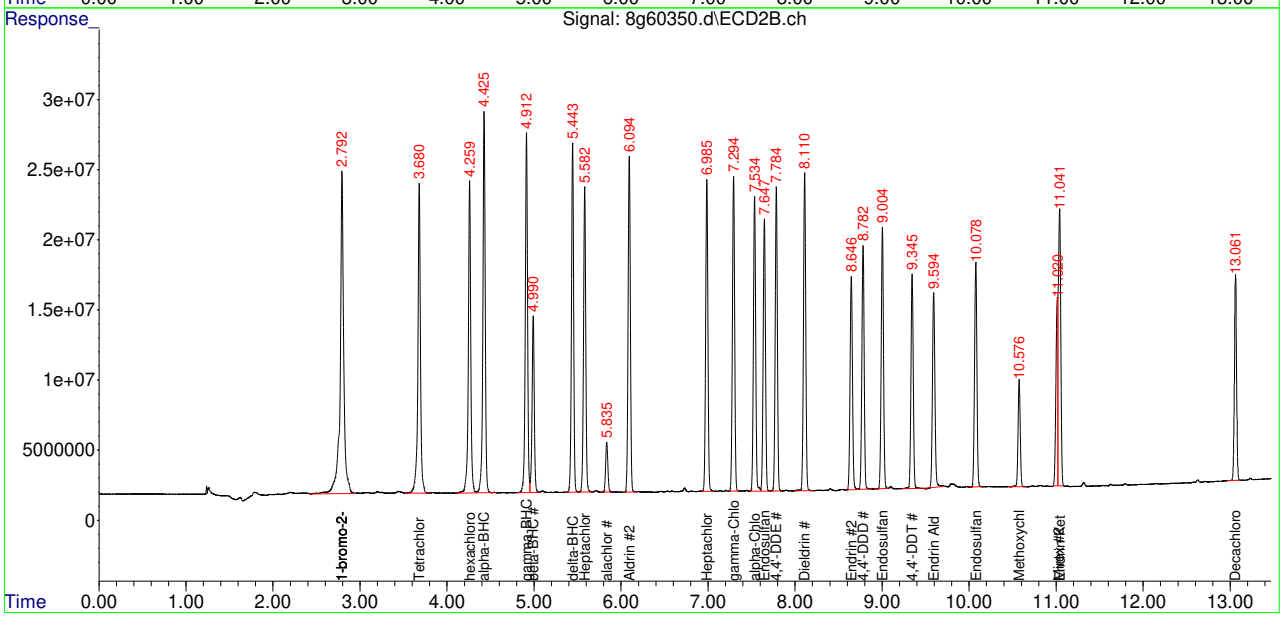
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60350.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 2:37 pm
Operator : rebeccak
Sample : icv2596-2.5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 06:58:32 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 06:56:21 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





Manual Integration Approval Summary

Sample Number: G8G2596-ICV2596 **Method:** SW846 8081B
Lab FileID: 8G60350.D **Analyst approved:** 09/19/24 07:07 Rebecca Krug
Injection Time: 09/18/24 14:37 **Supervisor approved:** 09/24/24 10:58 Gwendolyn Burns

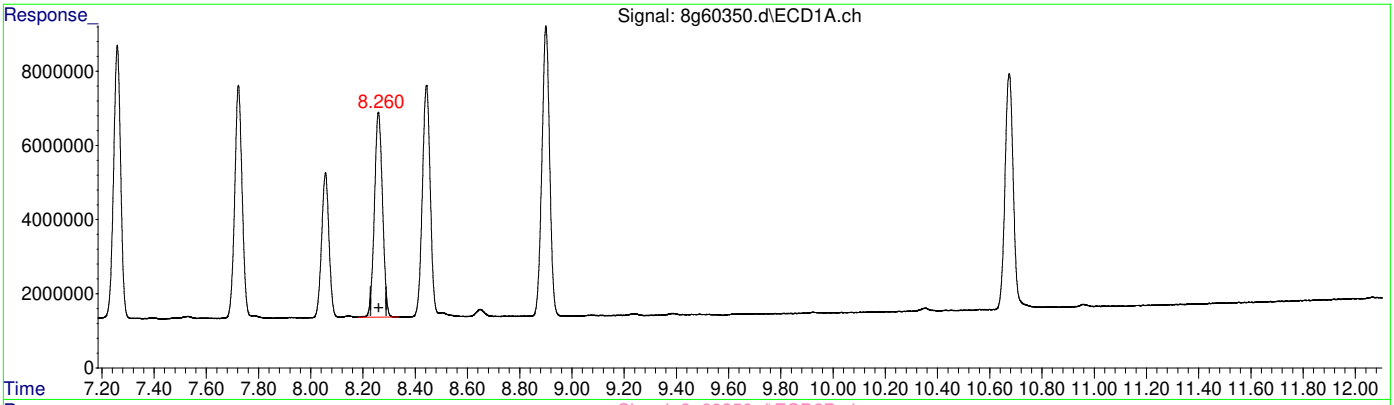
Parameter	CAS	Sig#	R.T. (min.)	Reason
Mirex	2385-85-5	2	11.02	Poorly defined baseline
Endrin ketone	53494-70-5	2	11.04	Poorly defined baseline

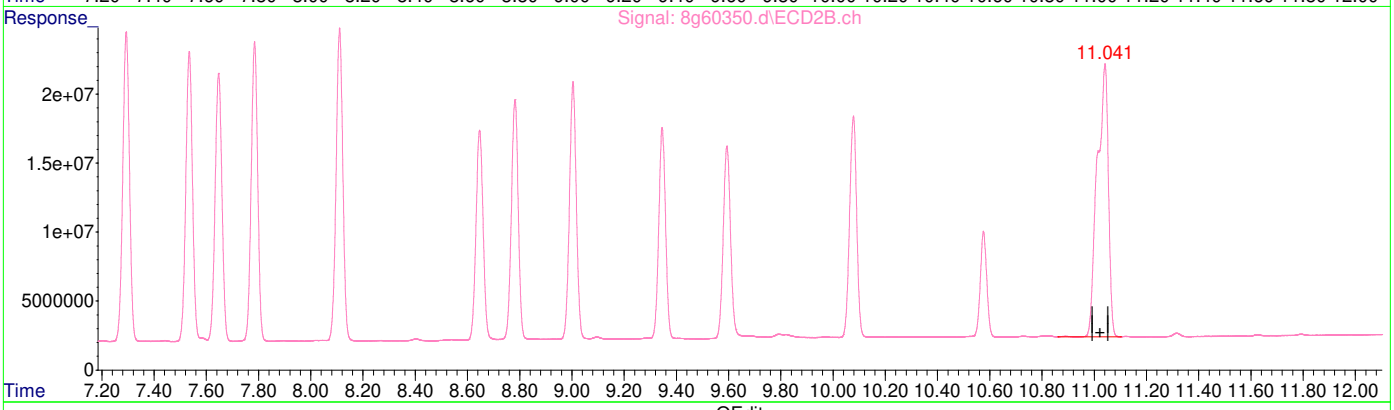
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60350.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 2:37 pm
Operator : rebeccak
Sample : icv2596-2.5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 06:56:32 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 06:56:21 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(24) Mirex

8.259min 2.661 PPB

response 119066444

(24) Mirex #2

11.041min 7.825 PPB

response 586037220

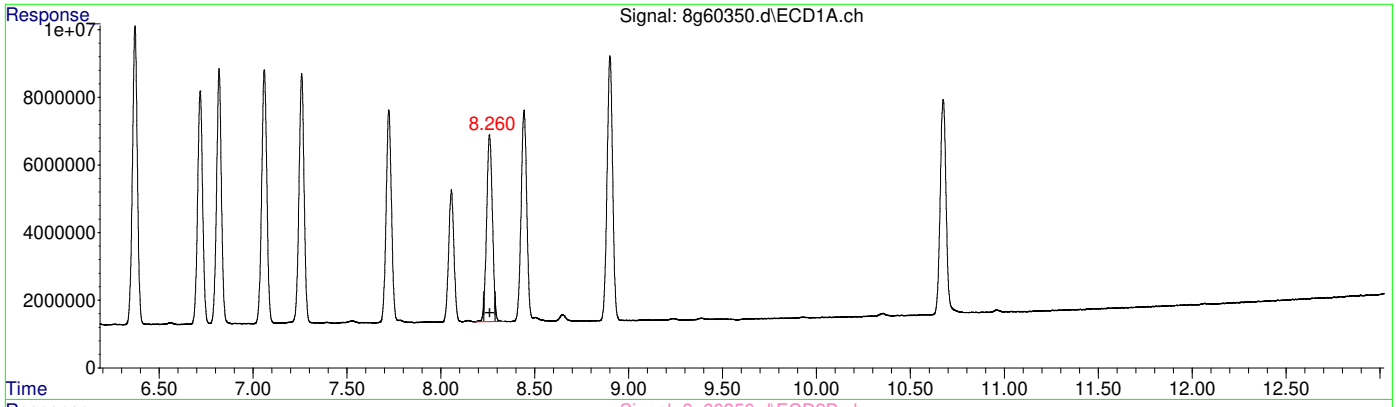
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Sep 19 06:58:05 2024

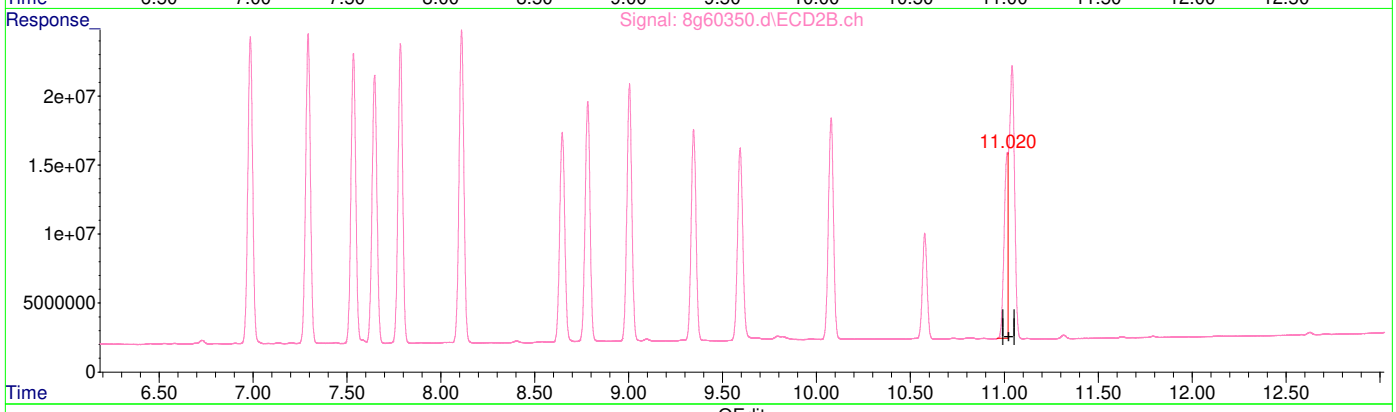
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60350.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 2:37 pm
Operator : rebeccak
Sample : icv2596-2.5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 06:56:32 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 06:56:21 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(24) Mirex

8.259min 2.661 PPB

response 119066444

(24) Mirex #2

11.020min 2.576 PPB m

response 192902788

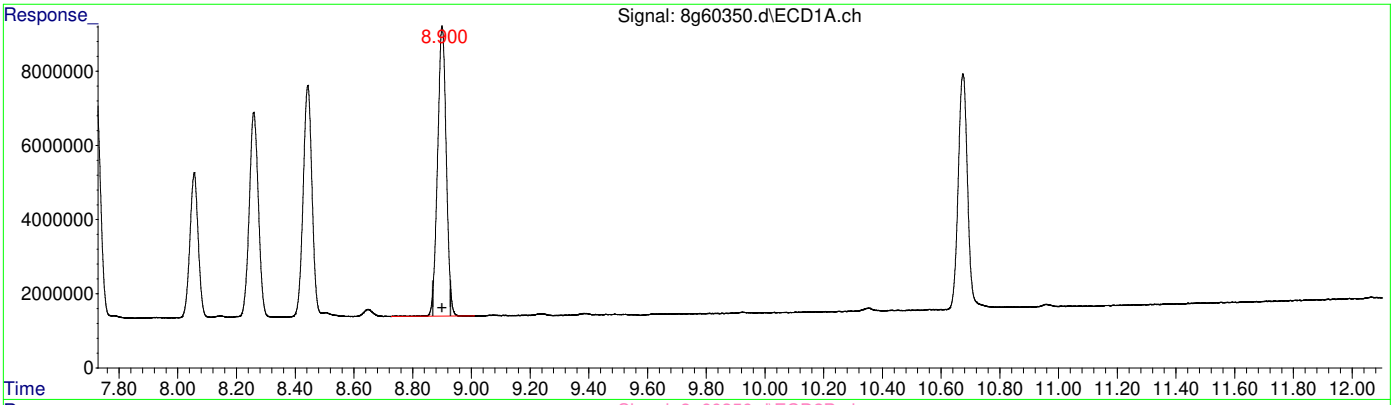
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Sep 19 06:58:20 2024

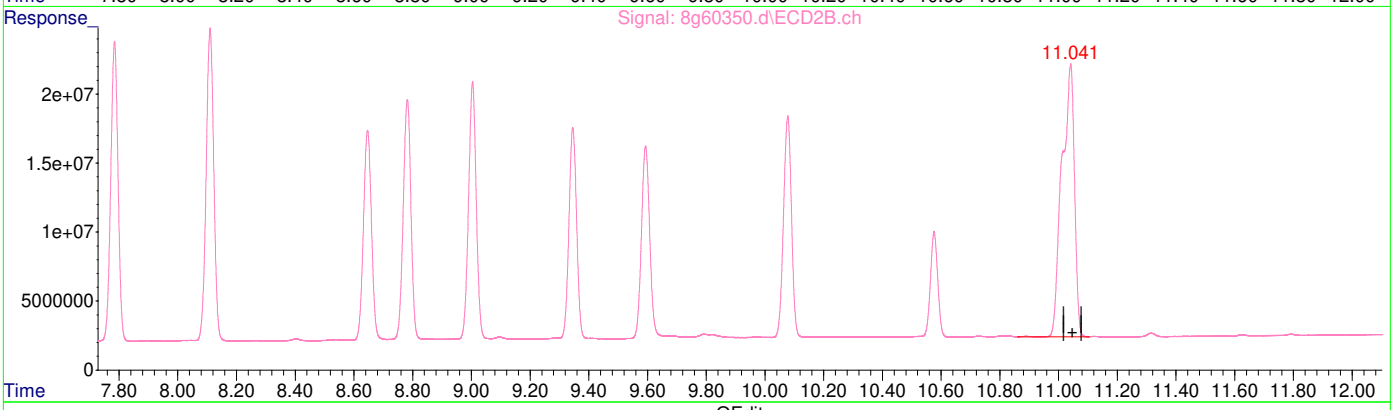
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60350.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 2:37 pm
Operator : rebeccak
Sample : icv2596-2.5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 06:56:32 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 06:56:21 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(25) Endrin Ketone (B)

8.901min 2.621 PPB

response 161997106

(25) Endrin Ketone #2 (B)

11.041min 3.673 PPB

response 586037220

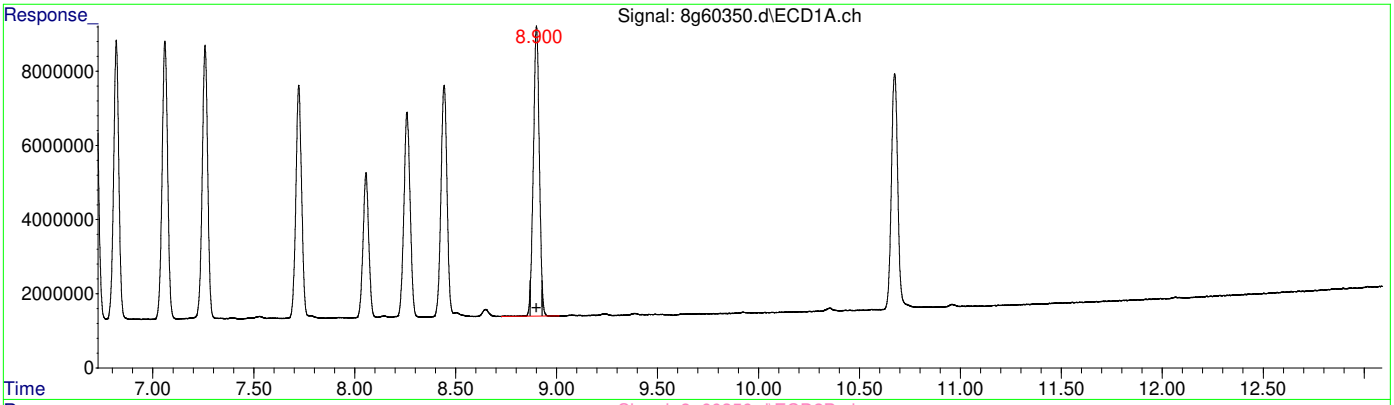
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Sep 19 06:58:23 2024

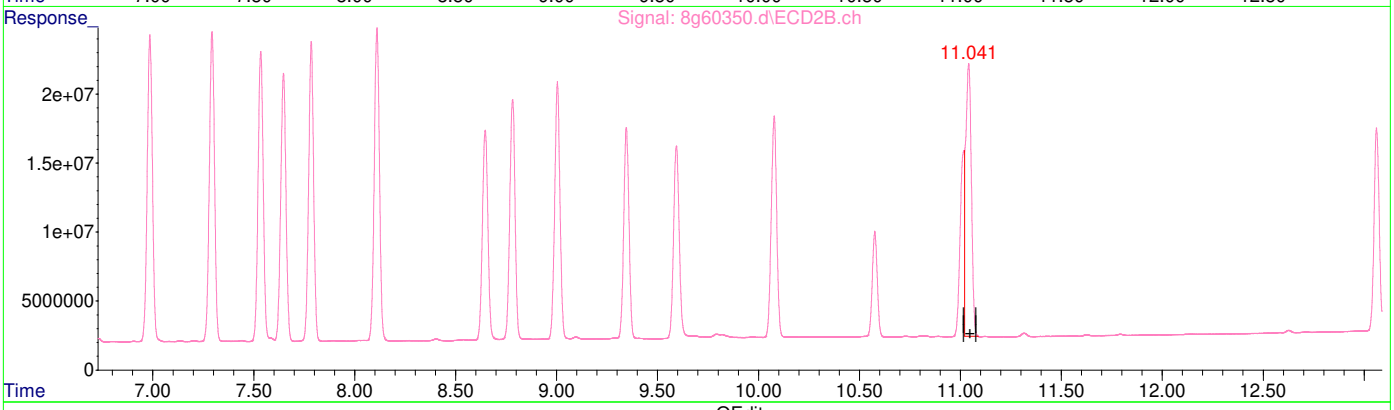
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60350.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 2:37 pm
Operator : rebeccak
Sample : icv2596-2.5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 06:56:32 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 06:56:21 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(25) Endrin Ketone (B)

8.901min 2.621 PPB

response 161997106

(25) Endrin Ketone #2 (B)

11.041min 2.450 PPB m

response 390851286

(+) = Expected Retention Time
8PSTLVI2596a.M Thu Sep 19 06:58:36 2024

Manual Integrations APPROVED
(compounds with "m" flag)
Gwendolyn Burns
09/24/24 10:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60352.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 3:22 pm
Operator : rebeccak
Sample : icv2596-50 (chlordane)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 07:05:54 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 07:05:18 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1)	I 1-bromo-2...	2.422	2.792	244.7E6	634.7E6	5.000	5.000
27)	I 1-bromo-2...	2.422	2.792	244.7E6	634.7E6	5.000	5.000
33)	I 1-bromo-2...	2.422	2.792	244.7E6	634.7E6	5.000	5.000
	System Monitoring Compounds						
2)	SAB Tetrachlo...	2.972	3.679	323.2E6	832.6E6	6.847	5.354
	Spiked Amount 40.000	Range 30 - 150		Recovery =		17.12%#	13.39%#
26)	SA Decachlor...	10.675	13.062	268.3E6	486.1E6	5.908	5.526
	Spiked Amount 40.000			Recovery =		14.77%	13.82%
	Target Compounds						
34)	Chlordane...	4.325	5.582	196.4E6	443.0E6	51.992	51.265
35)	Chlordane...	4.847	6.287	126.9E6	280.1E6	55.664	55.449
36)	Chlordane...	5.643	7.293	449.3E6	958.1E6	55.376	54.438
37)	Chlordane...	5.810	7.535	691.4E6	1500.2E6	55.567	51.657m
38)	Chlordane...	6.956	9.096	97592437	238.0E6	54.801	57.589
	SemiQuant Compounds - Not Calibrated on this Instrument						

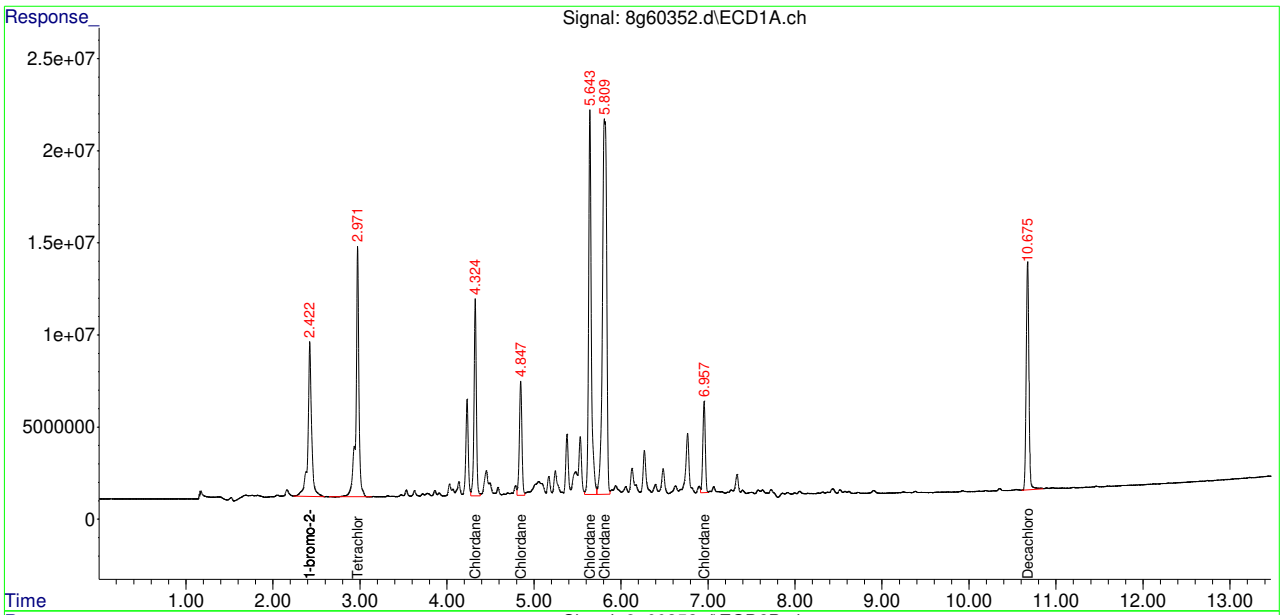
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

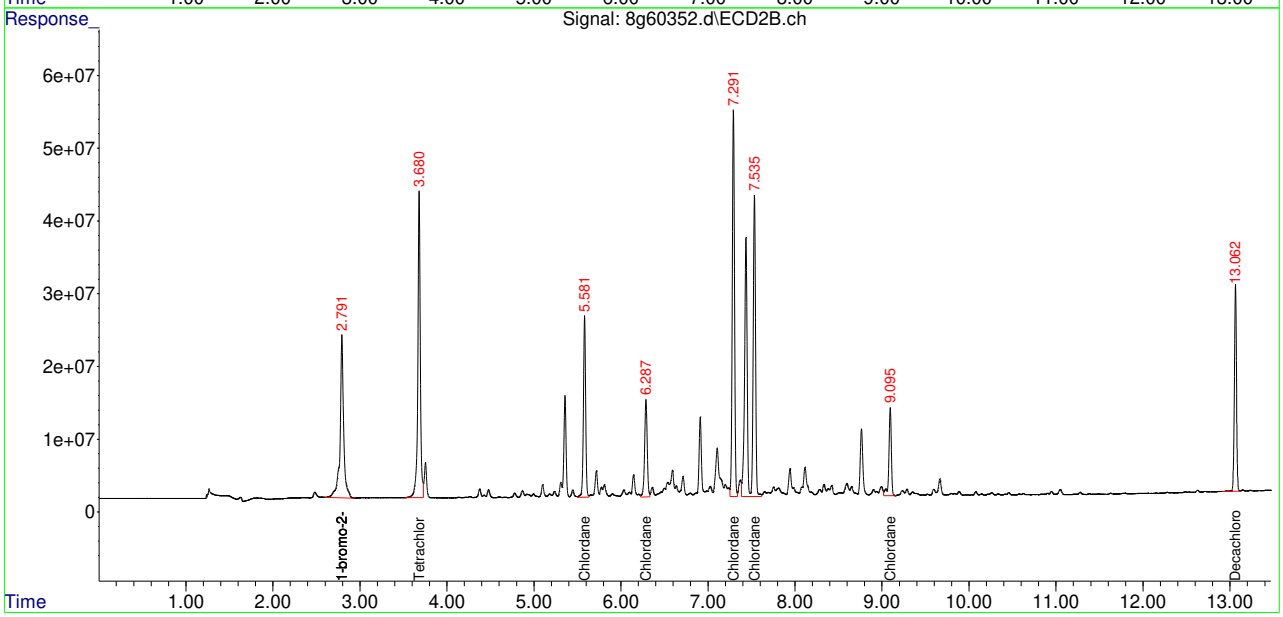
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60352.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 3:22 pm
Operator : rebeccak
Sample : icv2596-50 (chlordane)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 07:05:54 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 07:05:18 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





Manual Integration Approval Summary

Sample Number:	G8G2596-ICV2596	**Method:**	SW846 8081B
Lab FileID:	8G60352.D	**Analyst approved:**	09/19/24 07:08 Rebecca Krug
Injection Time:	09/18/24 15:22	**Supervisor approved:**	09/24/24 10:58 Gwendolyn Burns

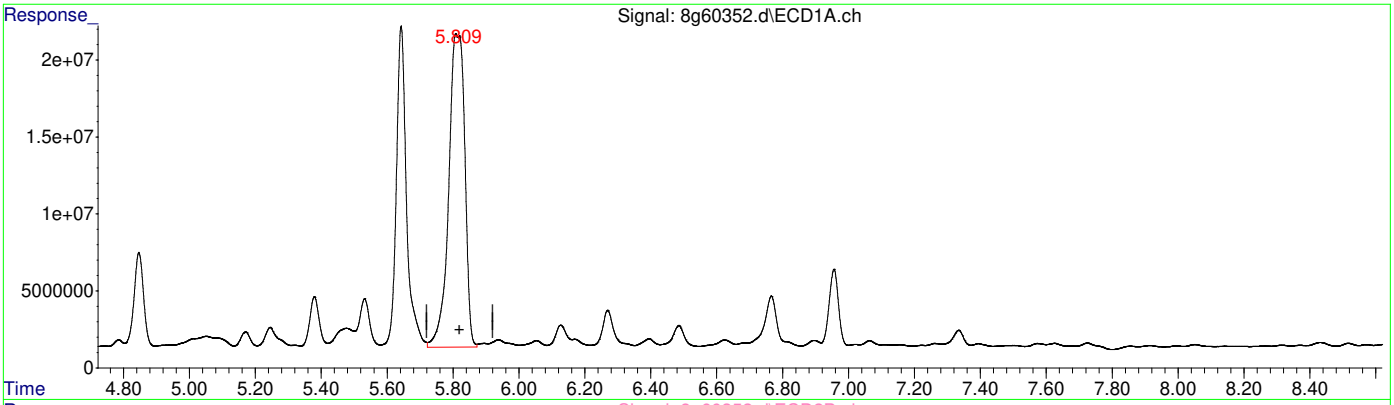
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chlordane-D		2	7.53	Split peak

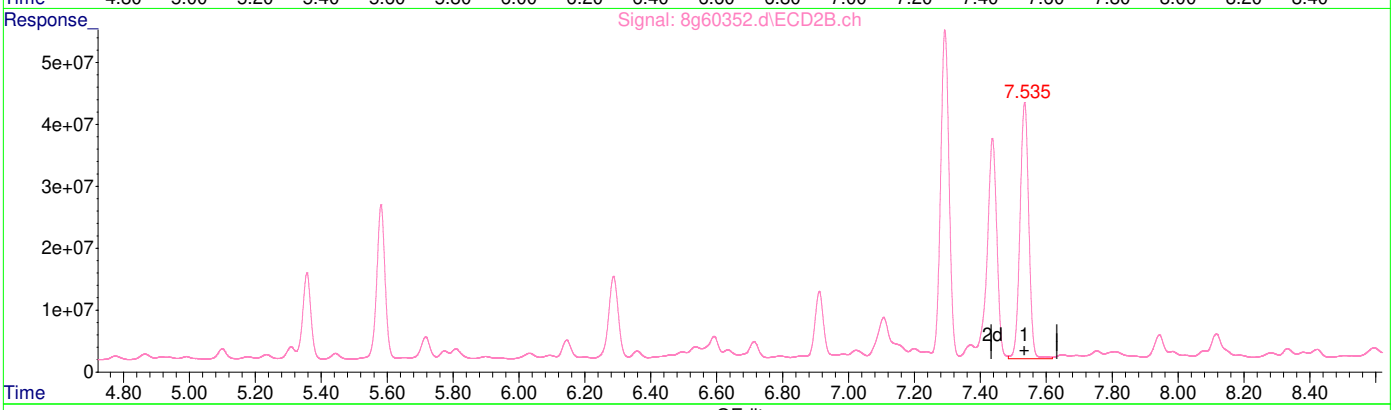
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60352.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 3:22 pm
Operator : rebeccak
Sample : icv2596-50 (chlordane)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 07:05:26 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 07:05:18 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(37) Chlordane {D}

5.810min 55.567 PPB

response 691431659

(37) Chlordane {D} #2

7.534min 26.420 PPB

response 767266724

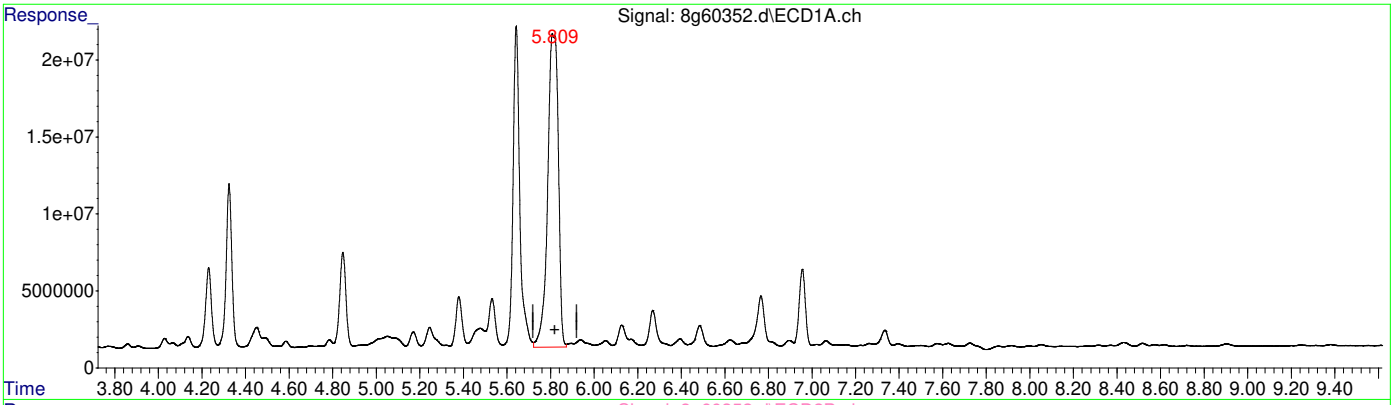
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Sep 19 07:05:37 2024

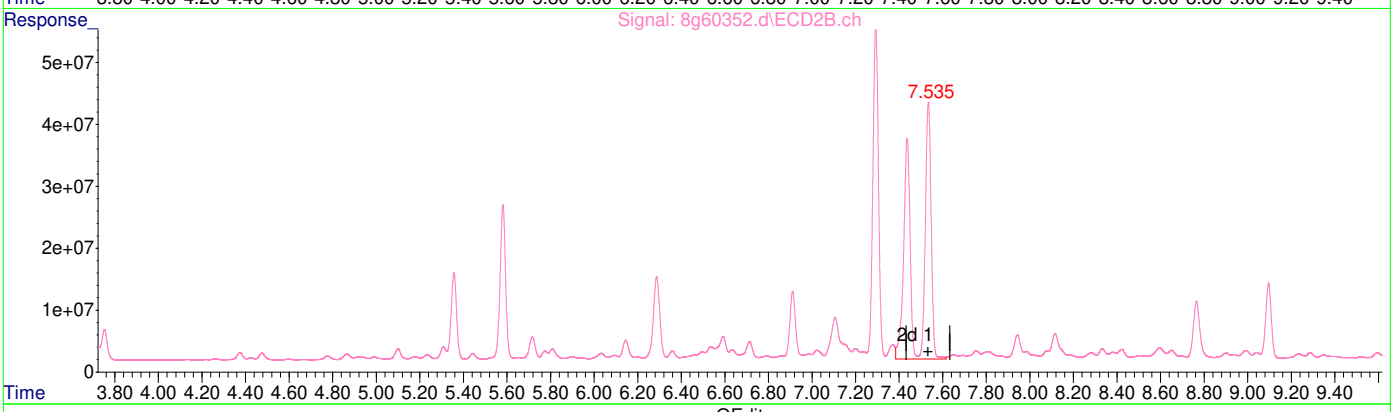
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60352.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 3:22 pm
Operator : rebeccak
Sample : icv2596-50 (chlordane)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 07:05:26 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 07:05:18 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(37) Chlordane {D}

5.810min 55.567 PPB

response 691431659

(37) Chlordane {D} #2

7.535min 51.657 PPB m

response 1500193528

(+) = Expected Retention Time
8PSTLVI2596a.M Thu Sep 19 07:05:45 2024

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 09/24/24 10:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60354.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 4:08 pm
Operator : rebeccak
Sample : icv2596-50 (toxaphene)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 13:33:04 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 13:29:34 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1)	I 1-bromo-2...	2.424	2.794	262.9E6	651.1E6	5.000	5.000
27)	I 1-bromo-2...	2.424	2.794	262.9E6	651.1E6	5.000	5.000
33)	I 1-bromo-2...	2.424	2.794	262.9E6	651.1E6	5.000	5.000
	System Monitoring Compounds						
2)	SAB Tetrachlo...	2.974	3.680	291.6E6	858.7E6	5.750	5.383
	Spiked Amount 40.000	Range 30 - 150		Recovery =		14.37%#	13.46%#
26)	SA Decachlor...	10.673	13.061	240.9E6	501.0E6	4.938	5.552
	Spiked Amount 40.000			Recovery =		12.34%	13.88%
	Target Compounds						
28)	L8 Toxaphene{A}	6.776	8.064	54192850	96324746	72.554m	65.010m
29)	L8 Toxaphene{B}	7.583	8.250	45379591	52104055	62.857m	53.491m
30)	L8 Toxaphene{C}	7.692	9.144	77782916	142.7E6	39.491m	58.554m#
31)	L8 Toxaphene{D}	8.108	9.290	54093858	49794507	43.019m	43.252m
32)	L8 Toxaphene{E}	8.268	10.521	64593975	151.2E6	35.042m	43.037m

SemiQuant Compounds - Not Calibrated on this Instrument

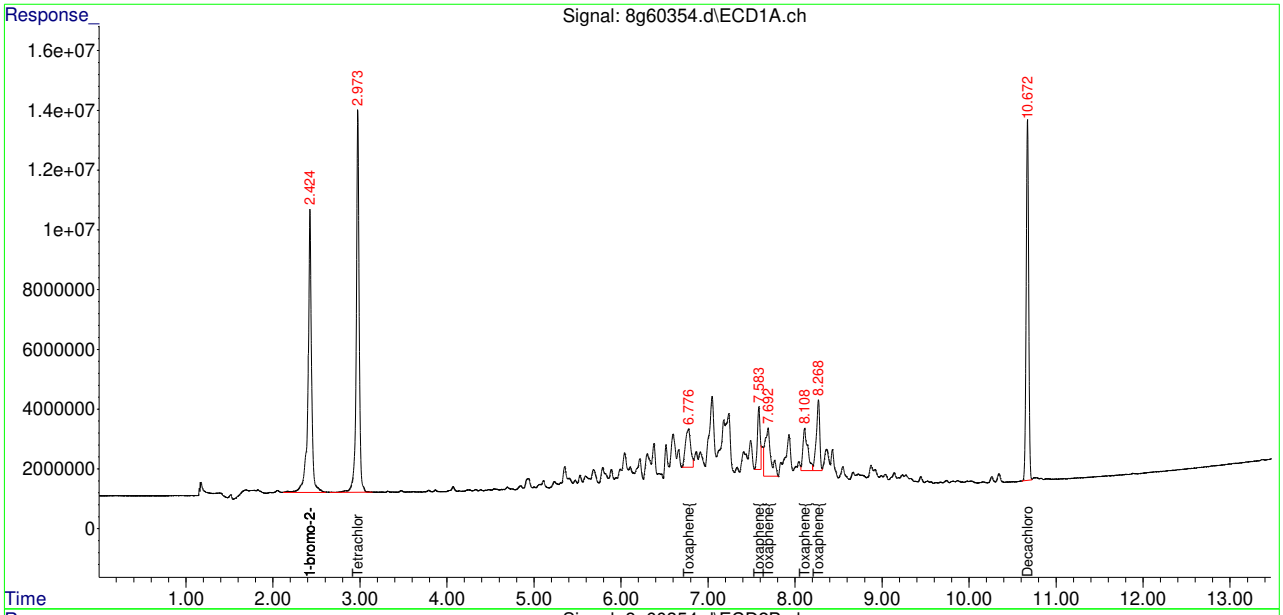
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

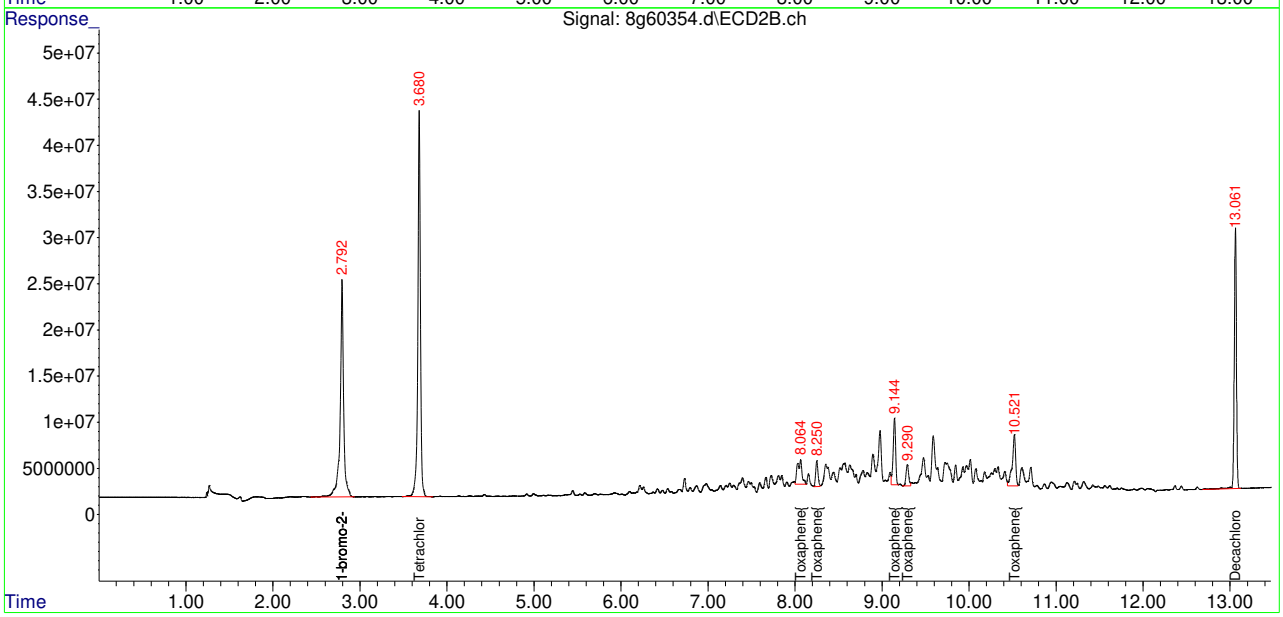
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60354.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 4:08 pm
Operator : rebeccak
Sample : icv2596-50 (toxaphene)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 13:33:04 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 13:29:34 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





Manual Integration Approval Summary

Sample Number: G8G2596-ICV2596 **Method:** SW846 8081B
Lab FileID: 8G60354.D **Analyst approved:** 09/19/24 13:38 Rebecca Krug
Injection Time: 09/18/24 16:08 **Supervisor approved:** 09/24/24 10:58 Gwendolyn Burns

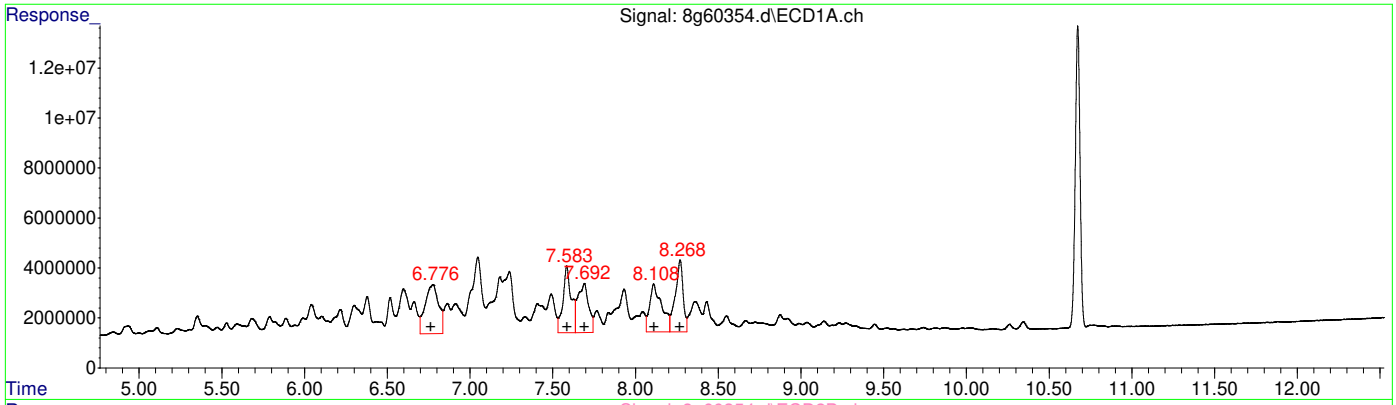
Parameter	CAS	Sig#	R.T. (min.)	Reason
Toxaphene-A		1	6.78	Poorly defined baseline
Toxaphene-B		1	7.58	Poorly defined baseline
Toxaphene-C		1	7.69	Poorly defined baseline
Toxaphene-A		2	8.06	Poorly defined baseline
Toxaphene-D		1	8.11	Poorly defined baseline
Toxaphene-B		2	8.25	Poorly defined baseline
Toxaphene-E		1	8.27	Poorly defined baseline
Toxaphene-C		2	9.14	Poorly defined baseline
Toxaphene-D		2	9.29	Poorly defined baseline
Toxaphene-E		2	10.52	Poorly defined baseline

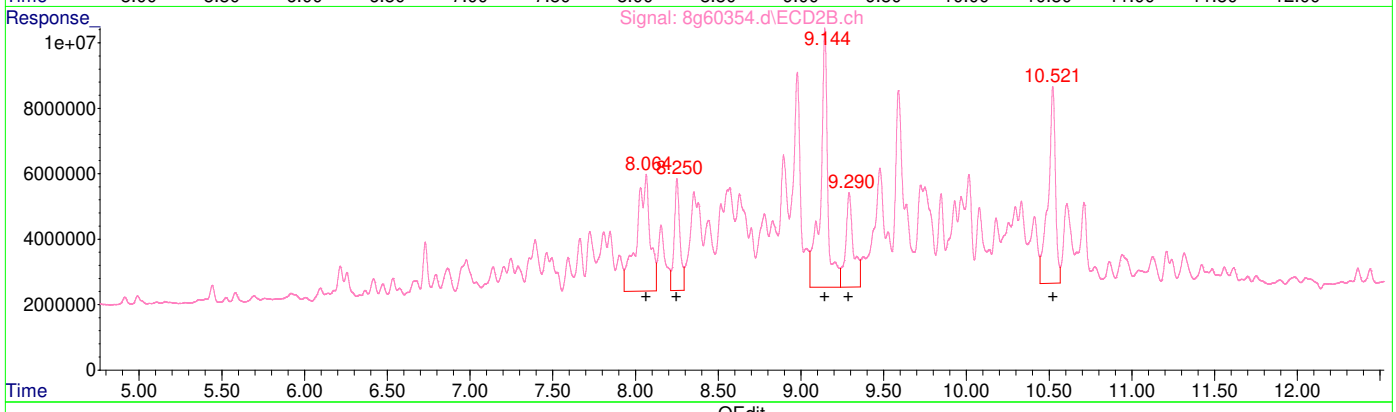
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60354.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 4:08 pm
Operator : rebeccak
Sample : icv2596-50 (toxaphene)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 13:29:56 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 13:29:34 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(28) Toxaphene{A} (L8)

R.T.	Response	Conc
6.78	111271744	148.97
7.58	94349691	130.69
7.69	88941258	45.16
8.11	97510400	77.55
8.27	95574768	51.85

(28) Toxaphene{A} #2 (L8)

R.T.	Response	Conc
8.06	203337380	137.23
8.25	82034475	84.22
9.14	245642511	100.79
9.29	95785055	83.20
10.52	184988838	52.65

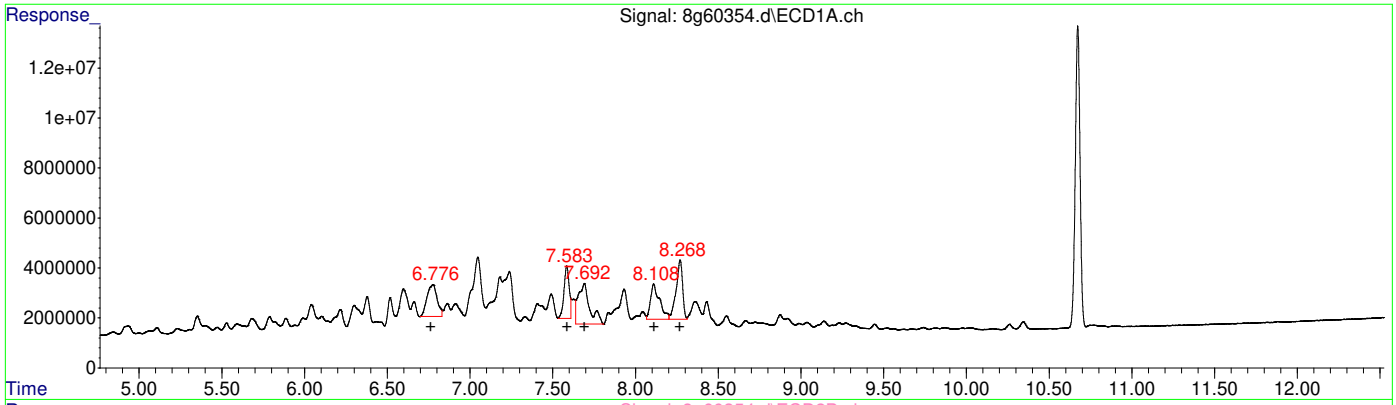
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Sep 19 13:30:25 2024

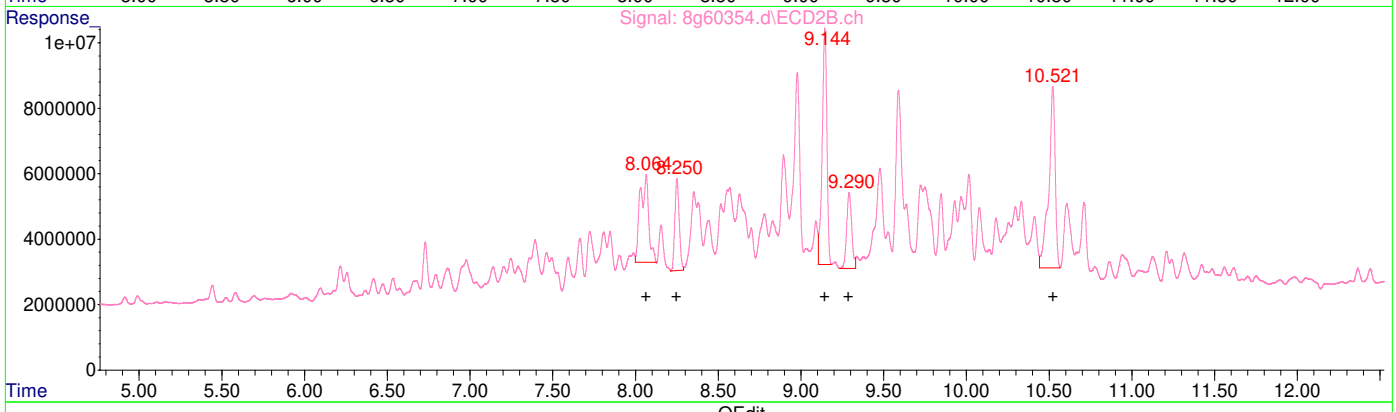
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60354.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 4:08 pm
Operator : rebeccak
Sample : icv2596-50 (toxaphene)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 13:29:56 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 13:29:34 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(28) Toxaphene{A} (L8)

R.T.	Response	Conc
6.78	54192850	72.55
7.58	45379591	62.86
7.69	77782916	39.49
8.11	54093858	43.02
8.27	64593975	35.04

(28) Toxaphene{A} #2 (L8)

R.T.	Response	Conc
8.06	96324746	65.01
8.25	52104055	53.49
9.14	142705033	58.55
9.29	49794507	43.25
10.52	151216681	43.04

(+) = Expected Retention Time
8PSTLVI2596a.M Thu Sep 19 13:34:28 2024

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 12/03/24 16:36

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62764.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 1:07 am
Operator : christp
Sample : cc2596-5
Misc : op59749,g8g2700,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:02:09 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1)	I 1-bromo-2...	2.404	2.768	320.1E6	707.2E6	5.000	5.000
27)	I 1-bromo-2...	2.404	2.768	320.1E6	707.2E6	5.000	5.000
33)	I 1-bromo-2...	2.404	2.768	320.1E6	707.2E6	5.000	5.000
	System Monitoring Compounds						
2)	SAB Tetrachlo...	2.952	3.650	328.5E6	827.1E6	5.319	4.773
	Spiked Amount 40.000	Range 30 - 150		Recovery =		13.30%#	11.93%#
26)	SA Decachlor...	10.616	12.996	340.0E6	449.2E6	5.723	4.583
	Spiked Amount 40.000			Recovery =		14.31%	11.46%
	Target Compounds						
3)	hexachlor...	3.294	4.226	530.6E6	850.0E6	5.454	4.610
4)	A alpha-BHC	3.441	4.385	530.5E6	1042.3E6	5.401	4.842
5)	MA gamma-BHC	3.756	4.868	475.3E6	939.0E6	5.881	4.932
6)	MA Heptachlor	4.286	5.528	486.4E6	839.3E6	5.842	4.991
7)	B beta-BHC	3.836	4.956	206.2E6	462.9E6	5.403	4.764
8)	B delta-BHC	4.039	5.402	480.8E6	925.4E6	5.926m	5.017
9)	MB Aldrin	4.650	6.037	437.5E6	884.3E6	5.944m	5.078
10)	alachlor	4.795	5.778	58687388	120.1E6	5.325	4.624
11)	B Heptachlo...	5.420	6.922	415.4E6	840.4E6	5.721	5.109
12)	B gamma-Chl...	5.593	7.232	431.7E6	861.2E6	5.578	5.296
13)	B alpha-Chl...	5.775	7.470	431.6E6	842.2E6	5.988	5.214
14)	A Endosulfan I	5.972	7.582	398.8E6	768.8E6	5.923	5.194
15)	B 4,4'-DDE	5.878	7.722	455.5E6	873.2E6	6.175	5.576
16)	MA Dieldrin	6.313	8.042	426.2E6	868.4E6	5.811	5.187
17)	MA Endrin	6.660	8.577	408.9E6	718.6E6	7.072	5.958
18)	A 4,4'-DDD	6.765	8.719	366.5E6	713.0E6	5.933	5.178
19)	B Endosulfa...	7.001	8.937	375.3E6	685.9E6	5.818	4.901
20)	MA 4,4'-DDT	7.202	9.280	383.5E6	607.9E6	6.149	5.337
21)	B Endrin Al...	7.659	9.523	284.4E6	522.2E6	5.363m	4.751
22)	B Endosulfa...	8.377	10.007	337.4E6	588.1E6	5.624	4.649
23)	A Methoxychlor	7.999	10.508	205.1E6	287.1E6	5.656	5.074
24)	Mirex	8.198	10.941	314.9E6	406.1E6	5.727	5.007m
25)	B Endrin Ke...	8.834	10.971	419.8E6	768.5E6	5.527	4.448m

SemiQuant Compounds - Not Calibrated on this Instrument

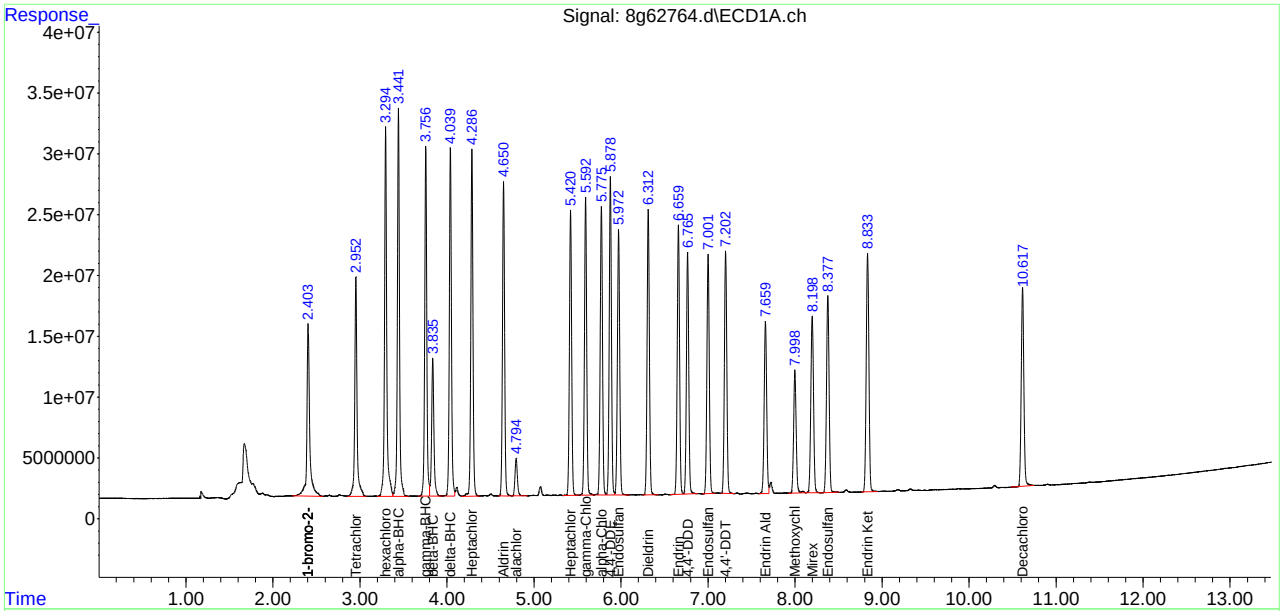
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

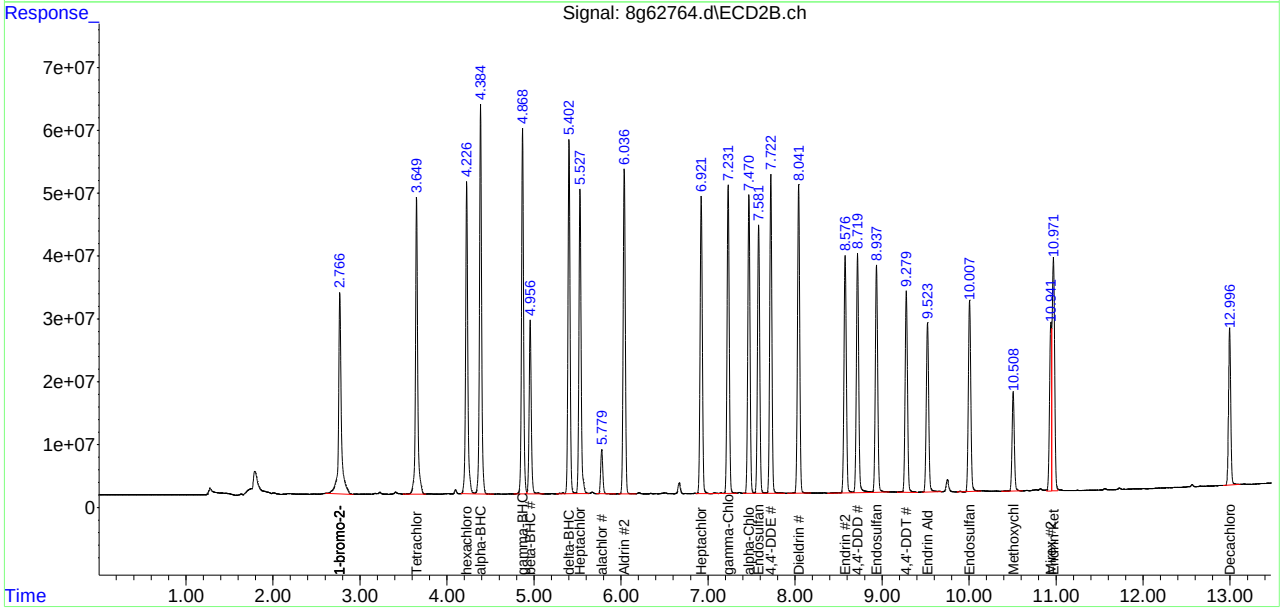
Quantitation Report (QT Reviewed)

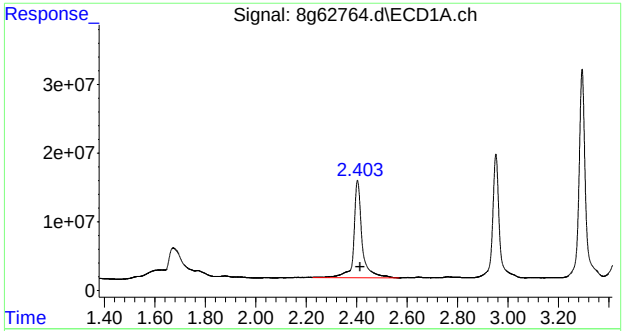
Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62764.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 1:07 am
Operator : christp
Sample : cc2596-5
Misc : op59749,g8g2700,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:02:09 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

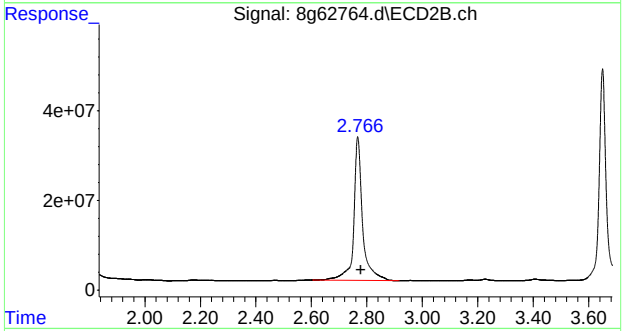






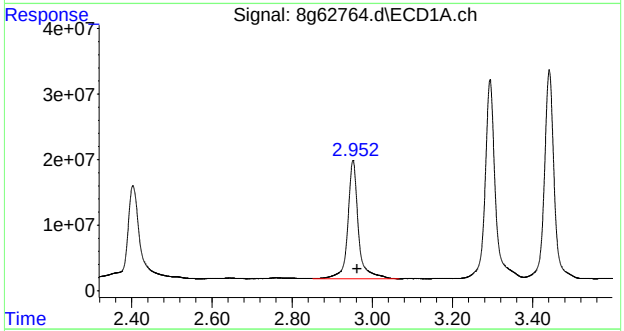
#1 1-bromo-2-nitrobenzene

R.T.: 2.404 min
Delta R.T.: -0.009 min
Response: 320089610
Conc: 5.00 PPB



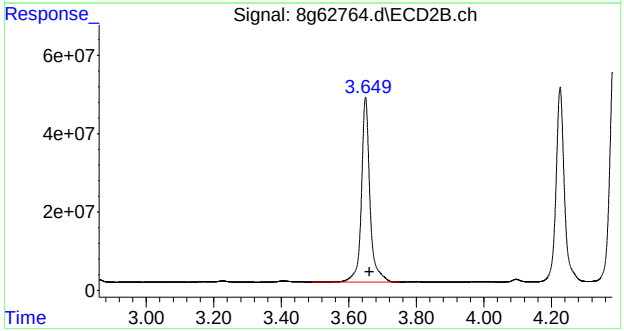
#1 1-bromo-2-nitrobenzene

R.T.: 2.768 min
Delta R.T.: -0.010 min
Response: 707247898
Conc: 5.00 PPB



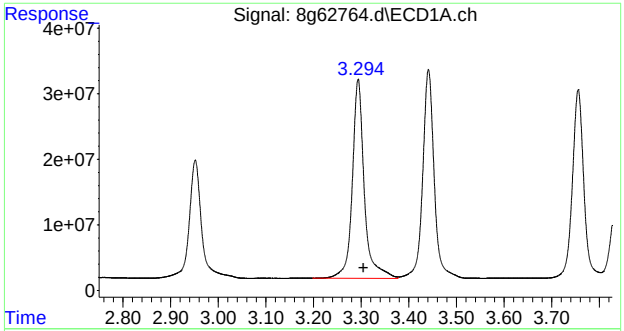
#2 Tetrachloro-m-xylene

R.T.: 2.952 min
Delta R.T.: -0.010 min
Response: 328502122
Conc: 5.32 PPB



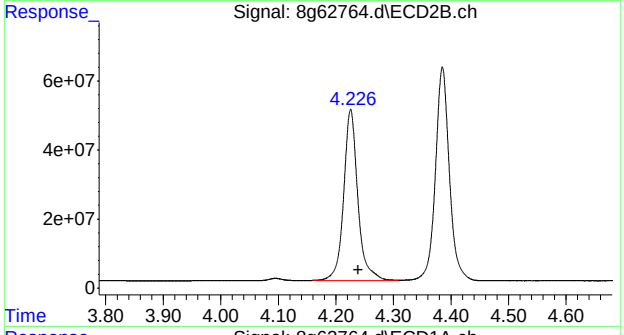
#2 Tetrachloro-m-xylene

R.T.: 3.650 min
Delta R.T.: -0.012 min
Response: 827083845
Conc: 4.77 PPB



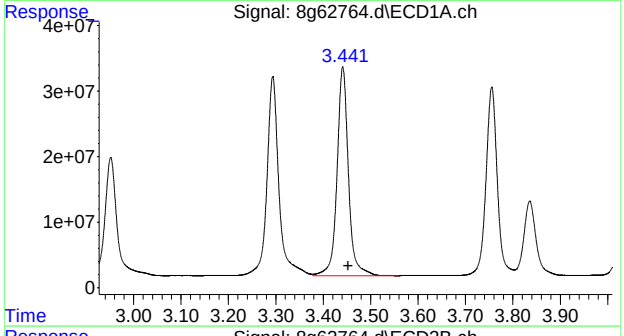
#3 hexachlorobenzene

R.T.: 3.294 min
Delta R.T.: -0.011 min
Response: 530580785
Conc: 5.45 PPB



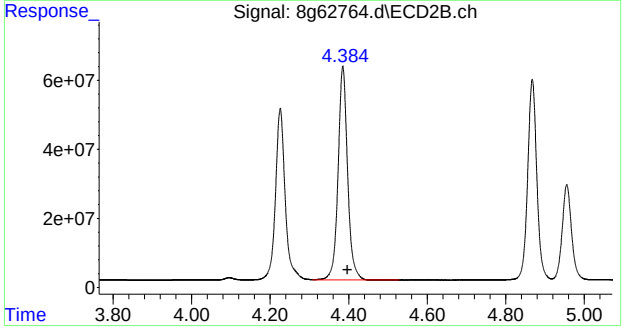
#3 hexachlorobenzene

R.T.: 4.226 min
Delta R.T.: -0.012 min
Response: 850046521
Conc: 4.61 PPB



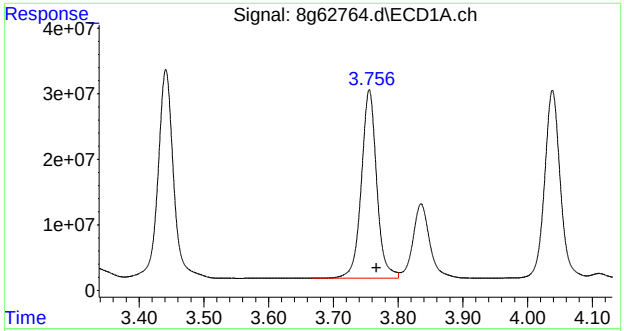
#4 alpha-BHC

R.T.: 3.441 min
Delta R.T.: -0.011 min
Response: 530480593
Conc: 5.40 PPB



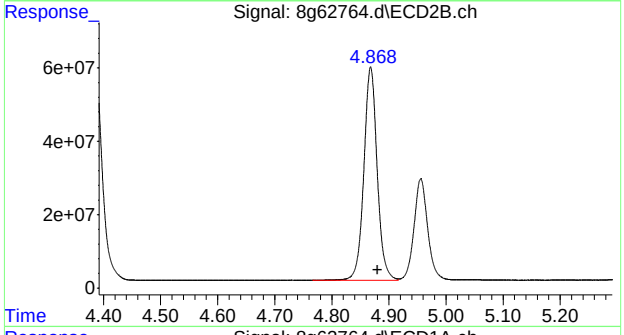
#4 alpha-BHC

R.T.: 4.385 min
Delta R.T.: -0.012 min
Response: 1042339436
Conc: 4.84 PPB



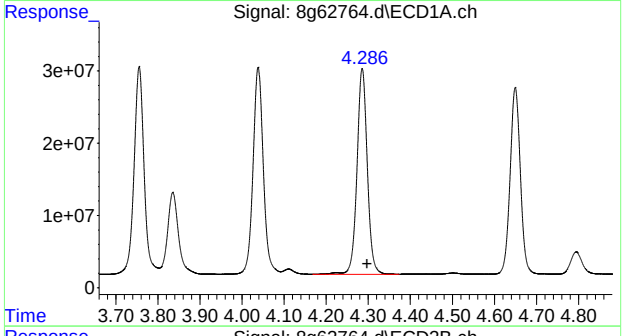
#5 gamma-BHC

R.T.: 3.756 min
Delta R.T.: -0.011 min
Response: 475259674
Conc: 5.88 PPB



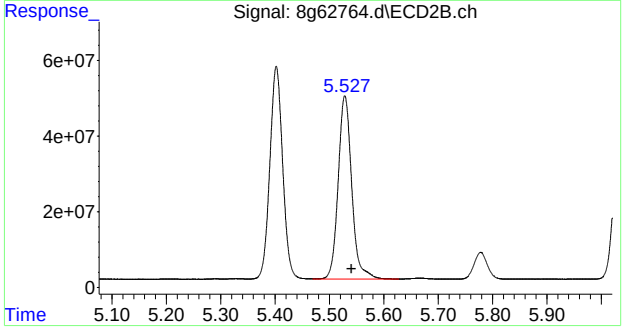
#5 gamma-BHC

R.T.: 4.868 min
Delta R.T.: -0.012 min
Response: 938998994
Conc: 4.93 PPB



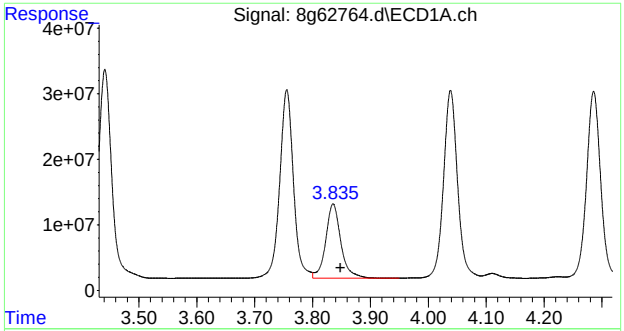
#6 Heptachlor

R.T.: 4.286 min
Delta R.T.: -0.011 min
Response: 486410051
Conc: 5.84 PPB



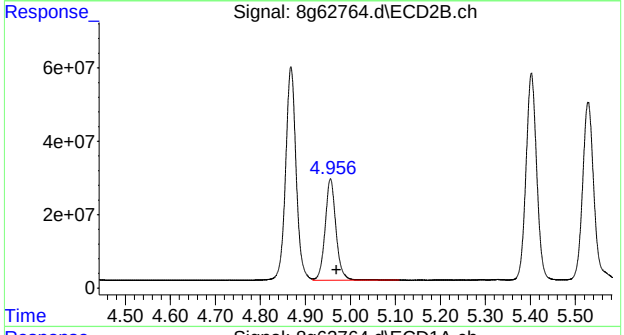
#6 Heptachlor

R.T.: 5.528 min
Delta R.T.: -0.012 min
Response: 839324128
Conc: 4.99 PPB



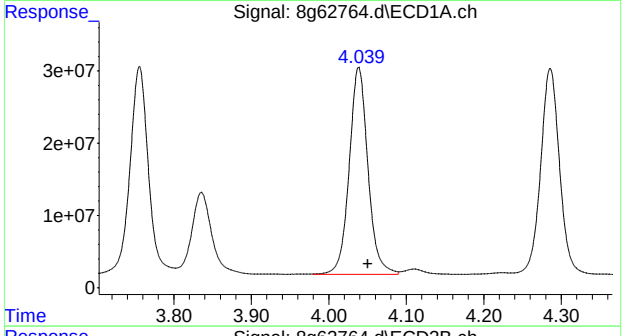
#7 beta-BHC

R.T.: 3.836 min
Delta R.T.: -0.012 min
Response: 206195363
Conc: 5.40 PPB



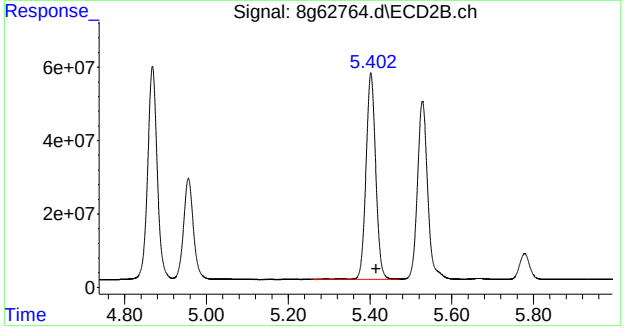
#7 beta-BHC

R.T.: 4.956 min
Delta R.T.: -0.013 min
Response: 462861520
Conc: 4.76 PPB



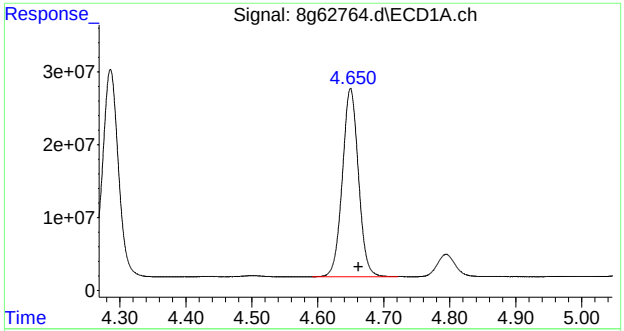
#8 delta-BHC

R.T.: 4.039 min
Delta R.T.: -0.012 min
Response: 480810832
Conc: 5.93 PPB m



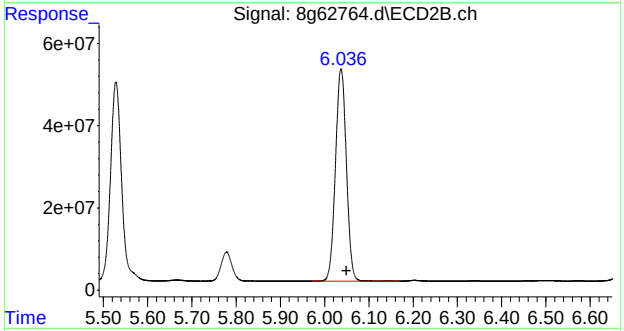
#8 delta-BHC

R.T.: 5.402 min
Delta R.T.: -0.013 min
Response: 925448733
Conc: 5.02 PPB



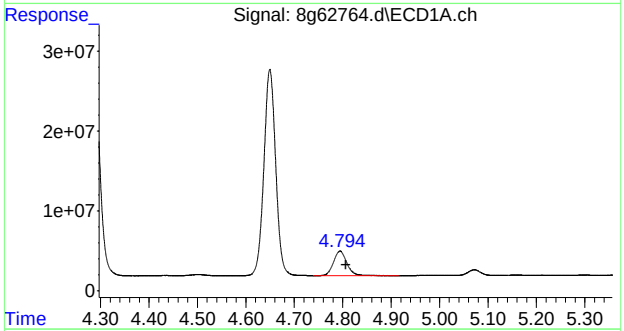
#9 Aldrin

R.T.: 4.650 min
Delta R.T.: -0.012 min
Response: 437466680
Conc: 5.94 PPB m



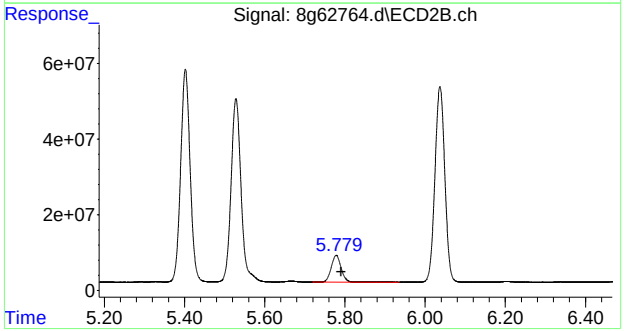
#9 Aldrin

R.T.: 6.037 min
Delta R.T.: -0.012 min
Response: 884262583
Conc: 5.08 PPB



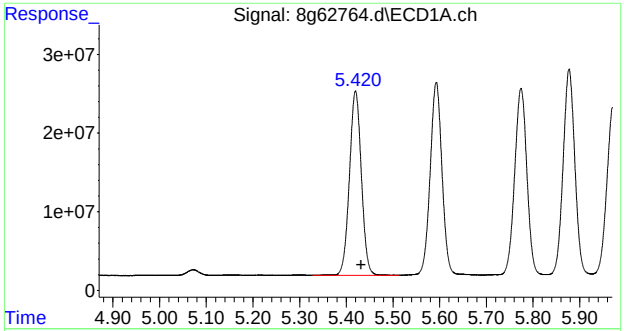
#10 alachlor

R.T.: 4.795 min
Delta R.T.: -0.011 min
Response: 58687388
Conc: 5.32 PPB



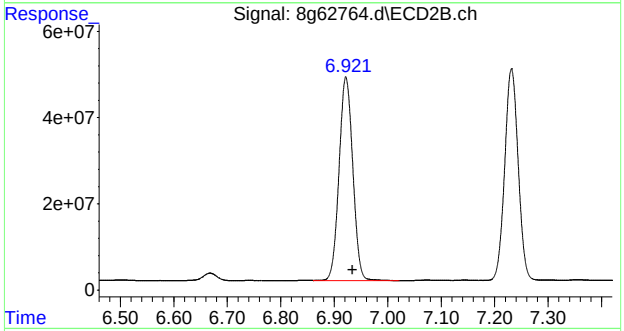
#10 alachlor

R.T.: 5.778 min
Delta R.T.: -0.012 min
Response: 120093916
Conc: 4.62 PPB



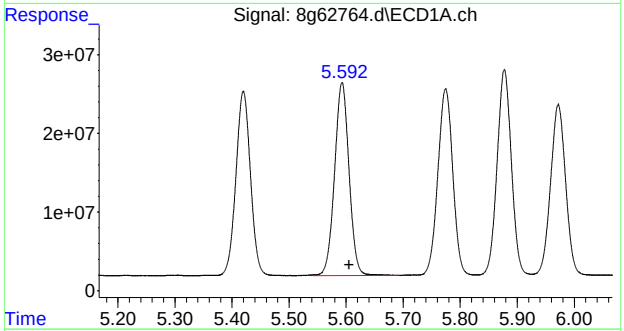
#11 Heptachlor Epoxide

R.T.: 5.420 min
Delta R.T.: -0.012 min
Response: 415435504
Conc: 5.72 PPB



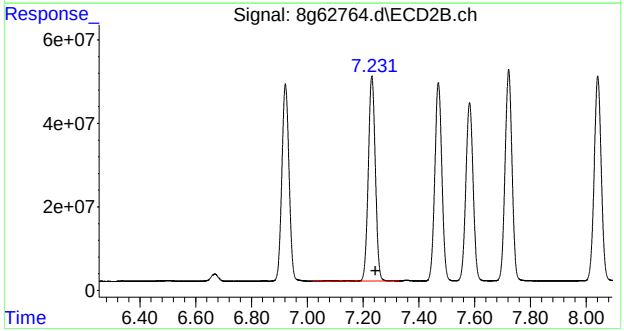
#11 Heptachlor Epoxide

R.T.: 6.922 min
Delta R.T.: -0.012 min
Response: 840365685
Conc: 5.11 PPB



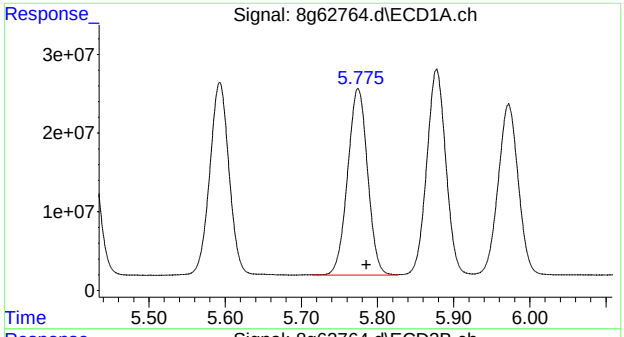
#12 gamma-Chlordane

R.T.: 5.593 min
Delta R.T.: -0.012 min
Response: 431690276
Conc: 5.58 PPB



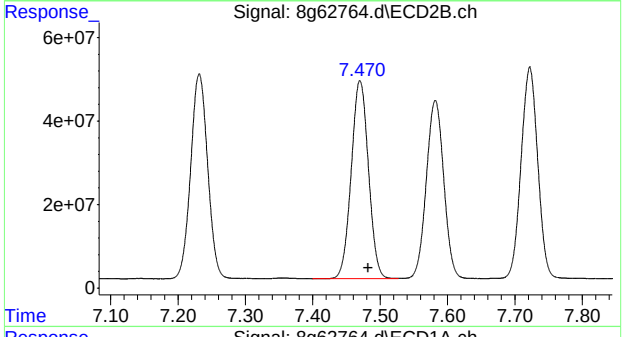
#12 gamma-Chlordane

R.T.: 7.232 min
Delta R.T.: -0.013 min
Response: 861215726
Conc: 5.30 PPB



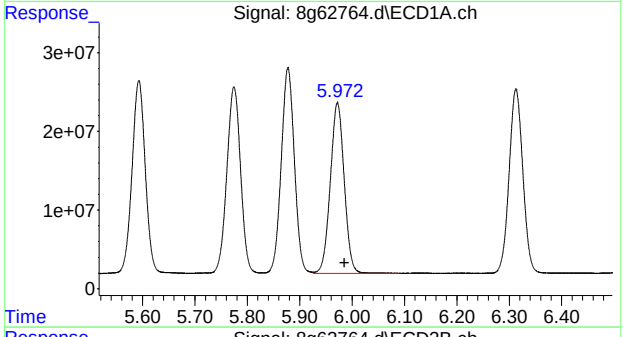
#13 alpha-Chlordane

R.T.: 5.775 min
Delta R.T.: -0.011 min
Response: 431603701
Conc: 5.99 PPB



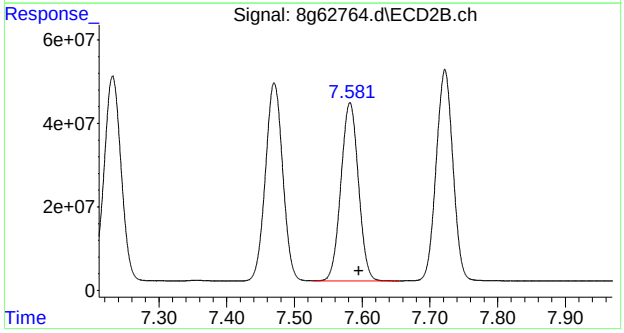
#13 alpha-Chlordane

R.T.: 7.470 min
Delta R.T.: -0.012 min
Response: 842225796
Conc: 5.21 PPB



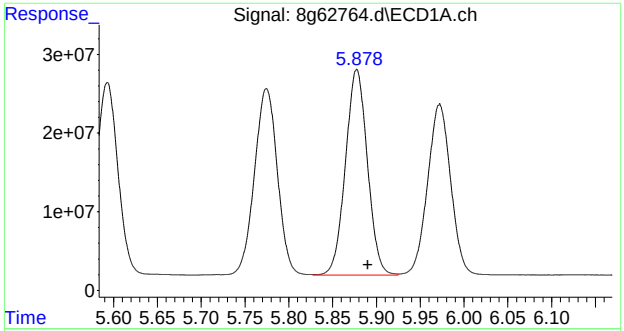
#14 Endosulfan I

R.T.: 5.972 min
Delta R.T.: -0.013 min
Response: 398798314
Conc: 5.92 PPB



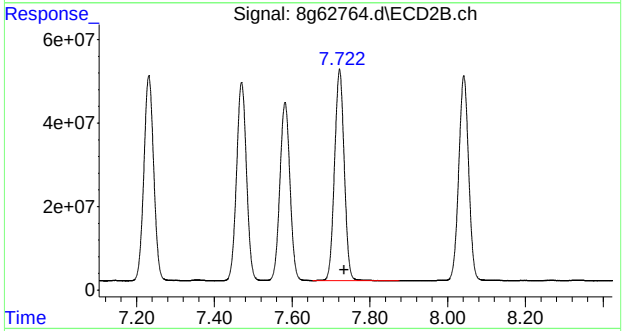
#14 Endosulfan I

R.T.: 7.582 min
Delta R.T.: -0.013 min
Response: 768830745
Conc: 5.19 PPB



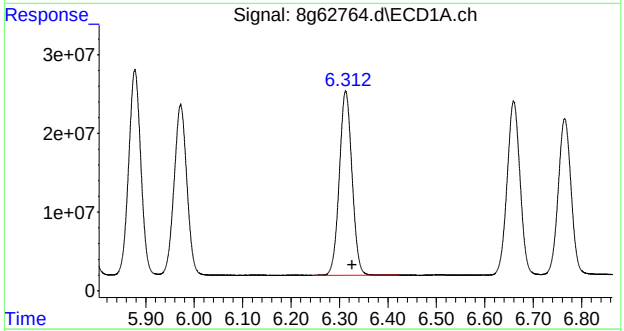
#15 4,4'-DDE

R.T.: 5.878 min
Delta R.T.: -0.012 min
Response: 455528786
Conc: 6.17 PPB



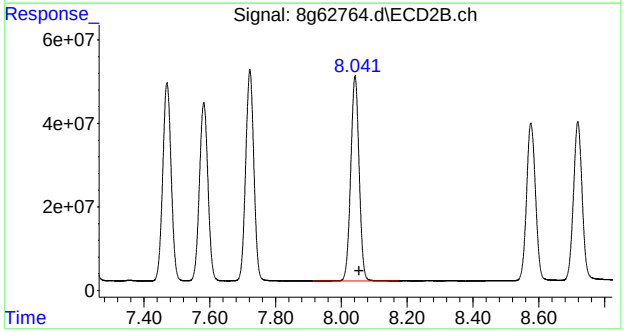
#15 4,4'-DDE

R.T.: 7.722 min
Delta R.T.: -0.011 min
Response: 873222108
Conc: 5.58 PPB



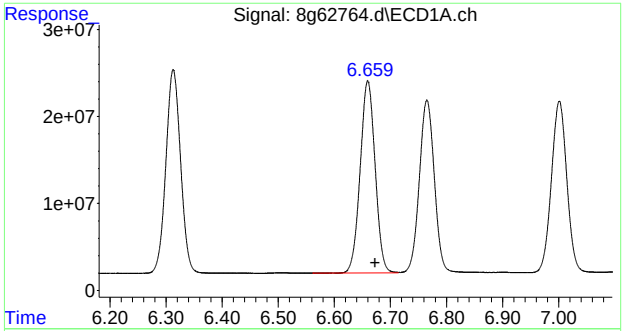
#16 Dieldrin

R.T.: 6.313 min
Delta R.T.: -0.013 min
Response: 426236900
Conc: 5.81 PPB



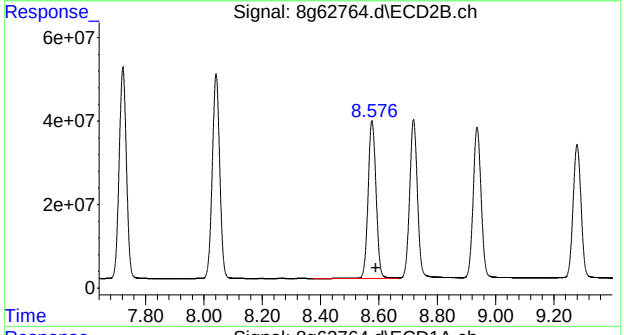
#16 Dieldrin

R.T.: 8.042 min
Delta R.T.: -0.013 min
Response: 868371789
Conc: 5.19 PPB



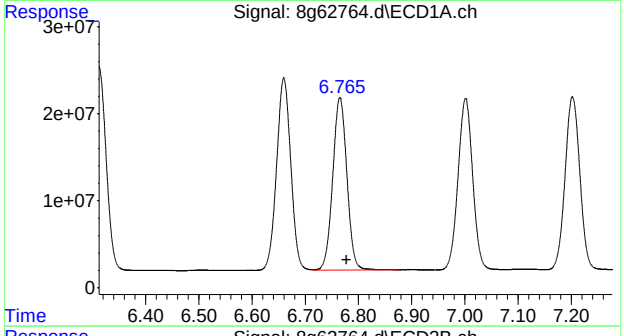
#17 Endrin

R.T.: 6.660 min
Delta R.T.: -0.013 min
Response: 408904298
Conc: 7.07 PPB



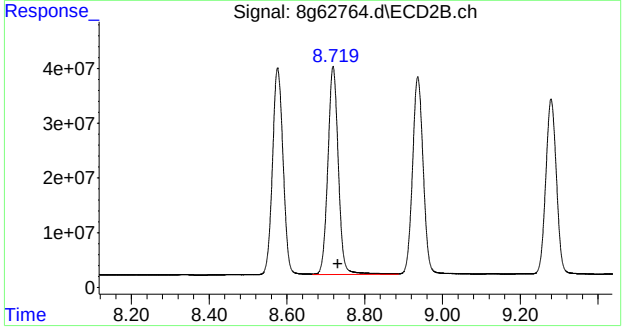
#17 Endrin

R.T.: 8.577 min
Delta R.T.: -0.013 min
Response: 718605403
Conc: 5.96 PPB



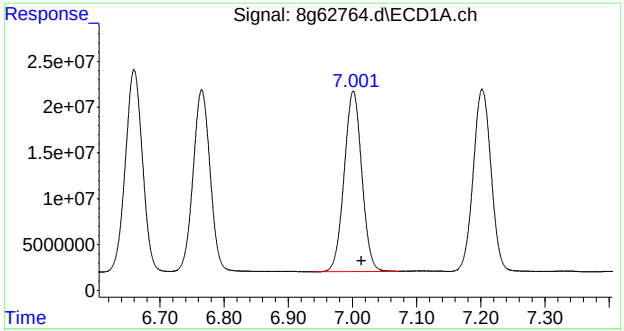
#18 4,4'-DDD

R.T.: 6.765 min
Delta R.T.: -0.012 min
Response: 366512794
Conc: 5.93 PPB



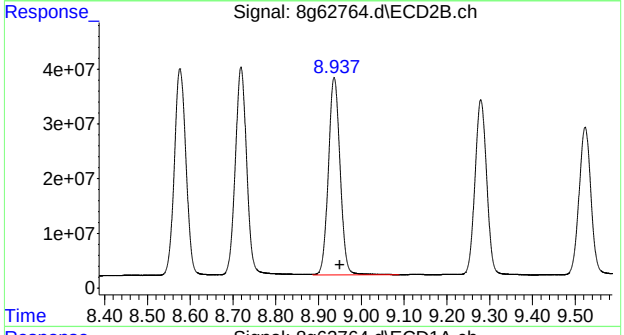
#18 4,4'-DDD

R.T.: 8.719 min
Delta R.T.: -0.011 min
Response: 712984545
Conc: 5.18 PPB



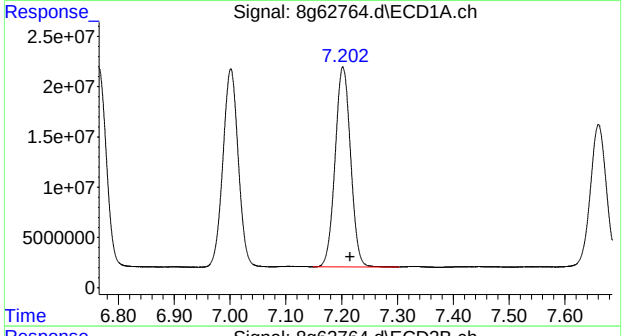
#19 Endosulfan II

R.T.: 7.001 min
Delta R.T.: -0.013 min
Response: 375295856
Conc: 5.82 PPB



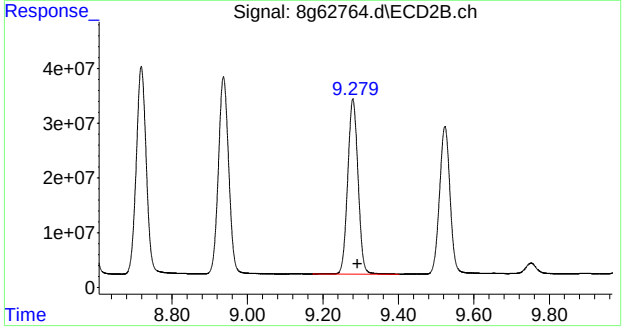
#19 Endosulfan II

R.T.: 8.937 min
Delta R.T.: -0.013 min
Response: 685936659
Conc: 4.90 PPB



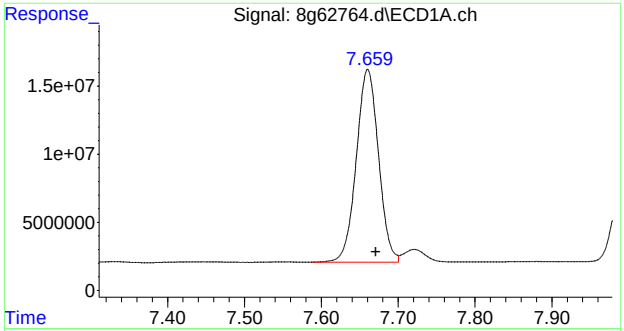
#20 4,4'-DDT

R.T.: 7.202 min
Delta R.T.: -0.013 min
Response: 383483820
Conc: 6.15 PPB



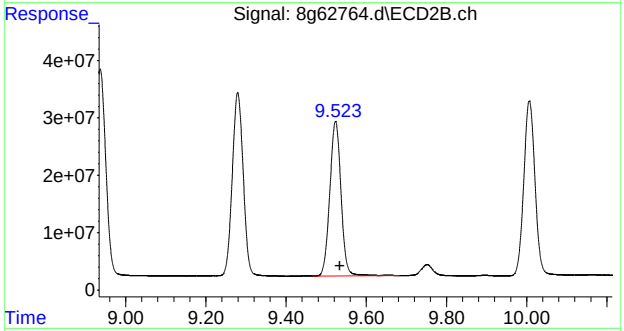
#20 4,4'-DDT

R.T.: 9.280 min
Delta R.T.: -0.012 min
Response: 607866647
Conc: 5.34 PPB



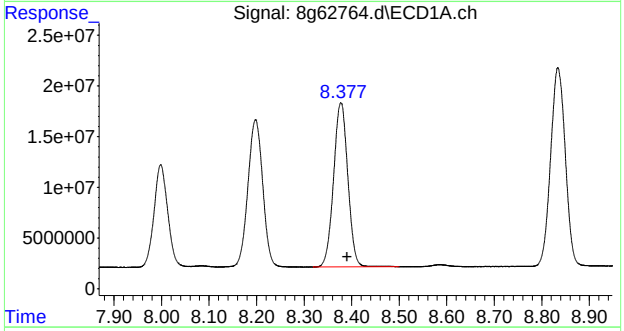
#21 Endrin Aldehyde

R.T.: 7.659 min
Delta R.T.: -0.011 min
Response: 284411588
Conc: 5.36 PPB m



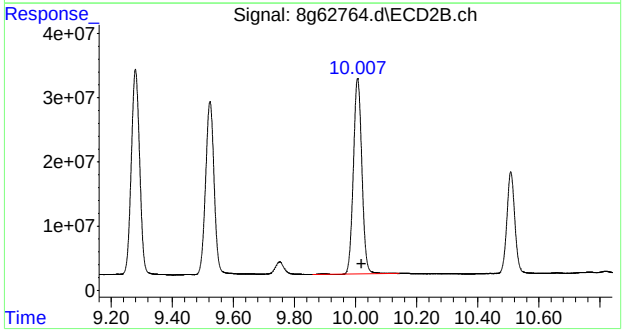
#21 Endrin Aldehyde

R.T.: 9.523 min
Delta R.T.: -0.011 min
Response: 522157878
Conc: 4.75 PPB



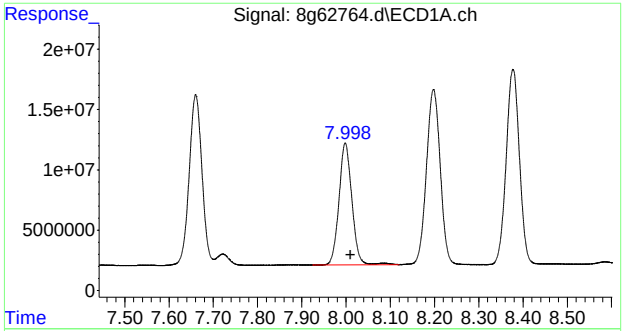
#22 Endosulfan Sulfate

R.T.: 8.377 min
Delta R.T.: -0.013 min
Response: 337393491
Conc: 5.62 PPB



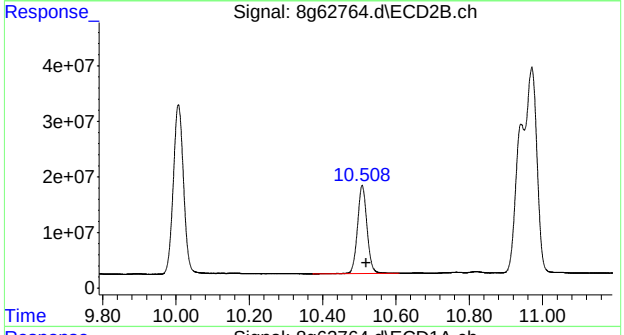
#22 Endosulfan Sulfate

R.T.: 10.007 min
Delta R.T.: -0.012 min
Response: 588135600
Conc: 4.65 PPB



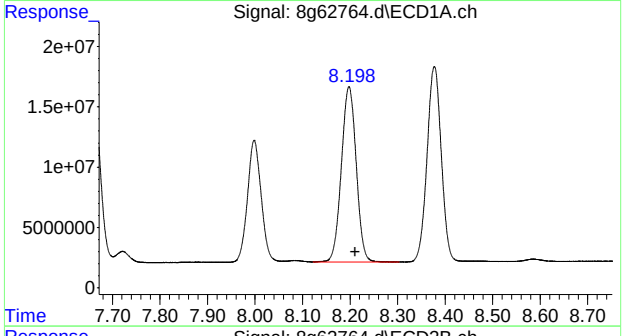
#23 Methoxychlor

R.T.: 7.999 min
Delta R.T.: -0.012 min
Response: 205057867
Conc: 5.66 PPB



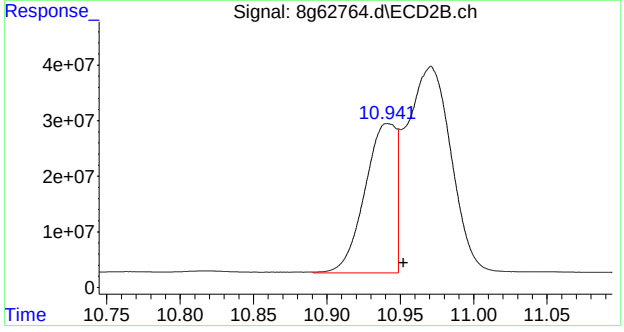
#23 Methoxychlor

R.T.: 10.508 min
Delta R.T.: -0.011 min
Response: 287085006
Conc: 5.07 PPB



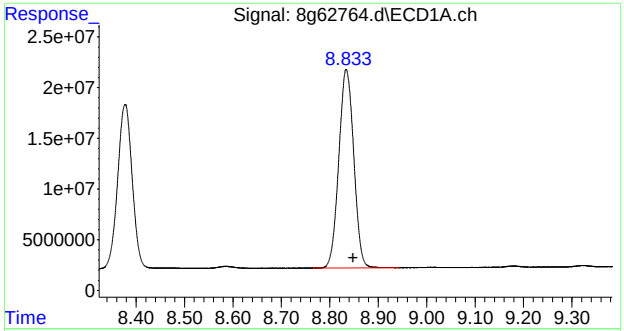
#24 Mirex

R.T.: 8.198 min
Delta R.T.: -0.012 min
Response: 314897243
Conc: 5.73 PPB



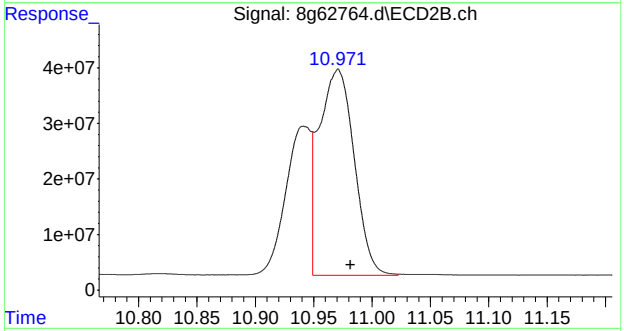
#24 Mirex

R.T.: 10.941 min
Delta R.T.: -0.011 min
Response: 406073453
Conc: 5.01 PPB m



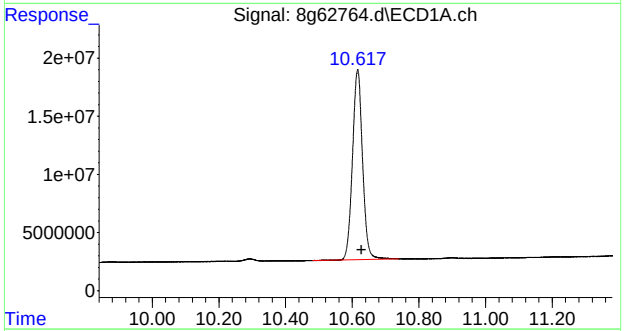
#25 Endrin Ketone

R.T.: 8.834 min
Delta R.T.: -0.013 min
Response: 419834330
Conc: 5.53 PPB



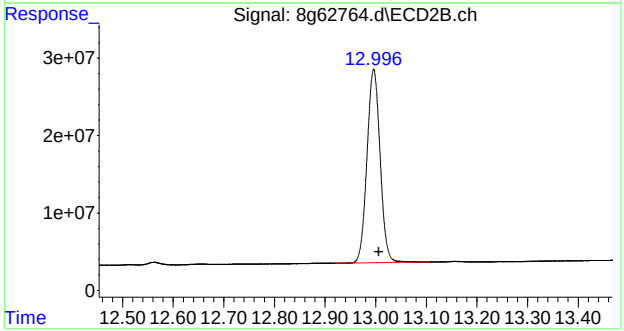
#25 Endrin Ketone

R.T.: 10.971 min
Delta R.T.: -0.011 min
Response: 768525969
Conc: 4.45 PPB m



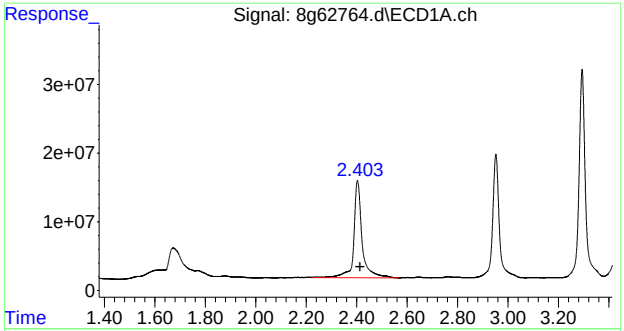
#26 Decachlorobiphenyl

R.T.: 10.616 min
Delta R.T.: -0.011 min
Response: 340030222
Conc: 5.72 PPB



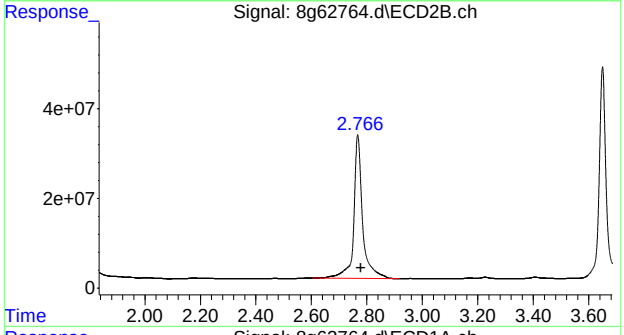
#26 Decachlorobiphenyl

R.T.: 12.996 min
Delta R.T.: -0.010 min
Response: 449225482
Conc: 4.58 PPB



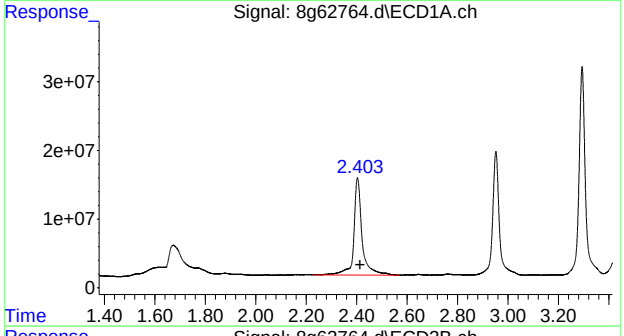
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.404 min
Delta R.T.: -0.010 min
Response: 320089610
Conc: 5.00 PPB



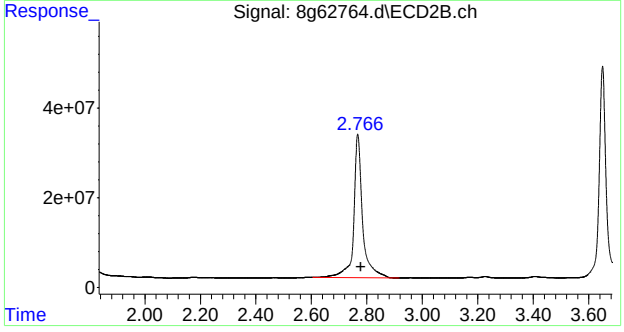
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.768 min
Delta R.T.: -0.010 min
Response: 707247898
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.404 min
Delta R.T.: -0.010 min
Response: 320089610
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.768 min
Delta R.T.: -0.010 min
Response: 707247898
Conc: 5.00 PPB

Manual Integration Approval Summary

Sample Number: G8G2700-CC2596 **Method:** SW846 8081B
Lab FileID: 8G62764.D **Analyst approved:** 12/03/24 08:06 Christopher Changho
Injection Time: 12/03/24 01:07 **Supervisor approved:** 12/03/24 16:36 Gwendolyn Burns

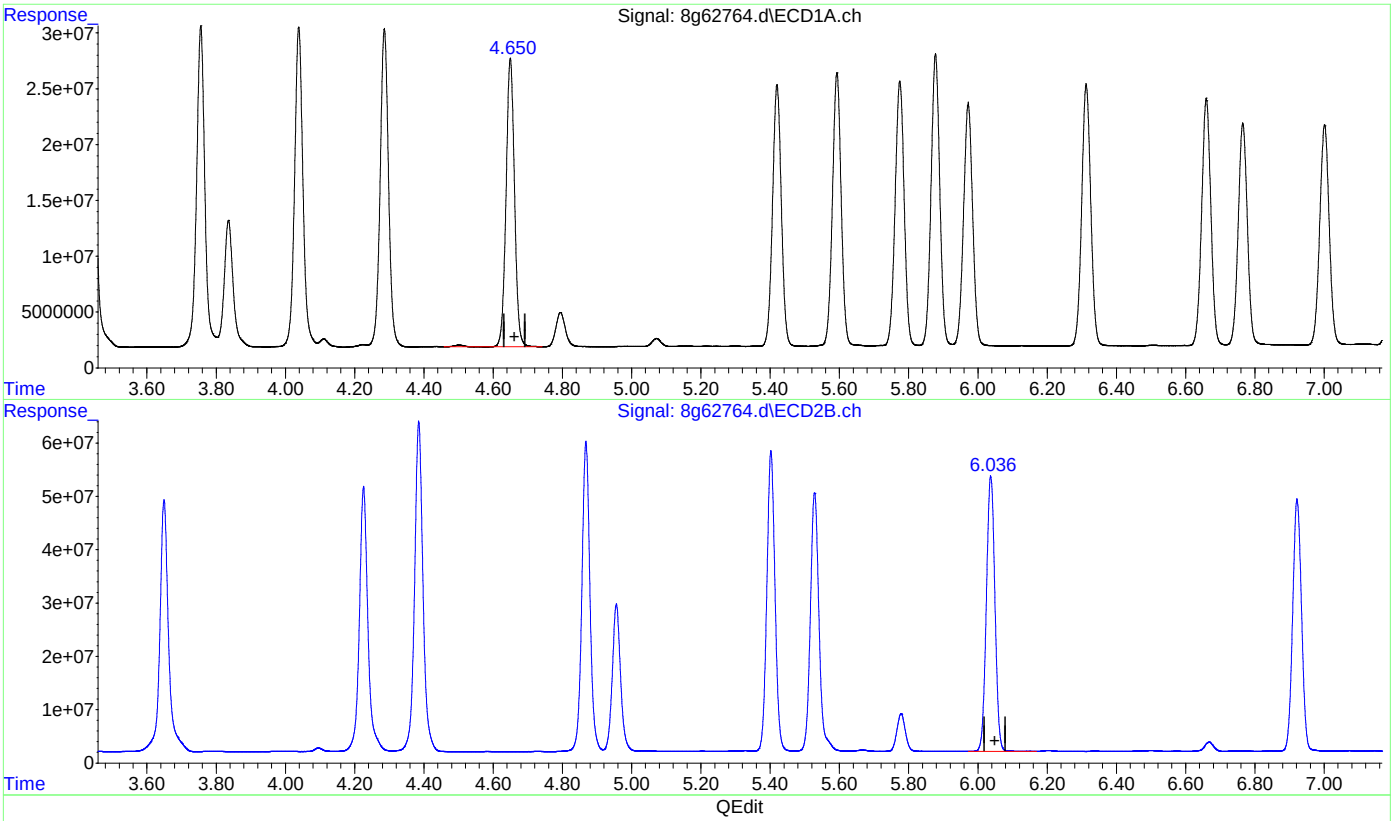
Parameter	CAS	Sig#	R.T. (min.)	Reason
delta-BHC	319-86-8	1	4.04	Poorly defined baseline
Aldrin	309-00-2	1	4.65	Poorly defined baseline
Endrin aldehyde	7421-93-4	1	7.66	Poorly defined baseline
Mirex	2385-85-5	2	10.94	Poorly defined baseline
Endrin ketone	53494-70-5	2	10.97	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62764.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 1:07 am
Operator : christp
Sample : cc2596-5
Misc : op59749,g8g2700,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:00:17 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(9) Aldrin (MB)

4.650min 5.966 PPB

response 439077446

(9) Aldrin #2 (MB)

6.037min 5.078 PPB

response 884262583

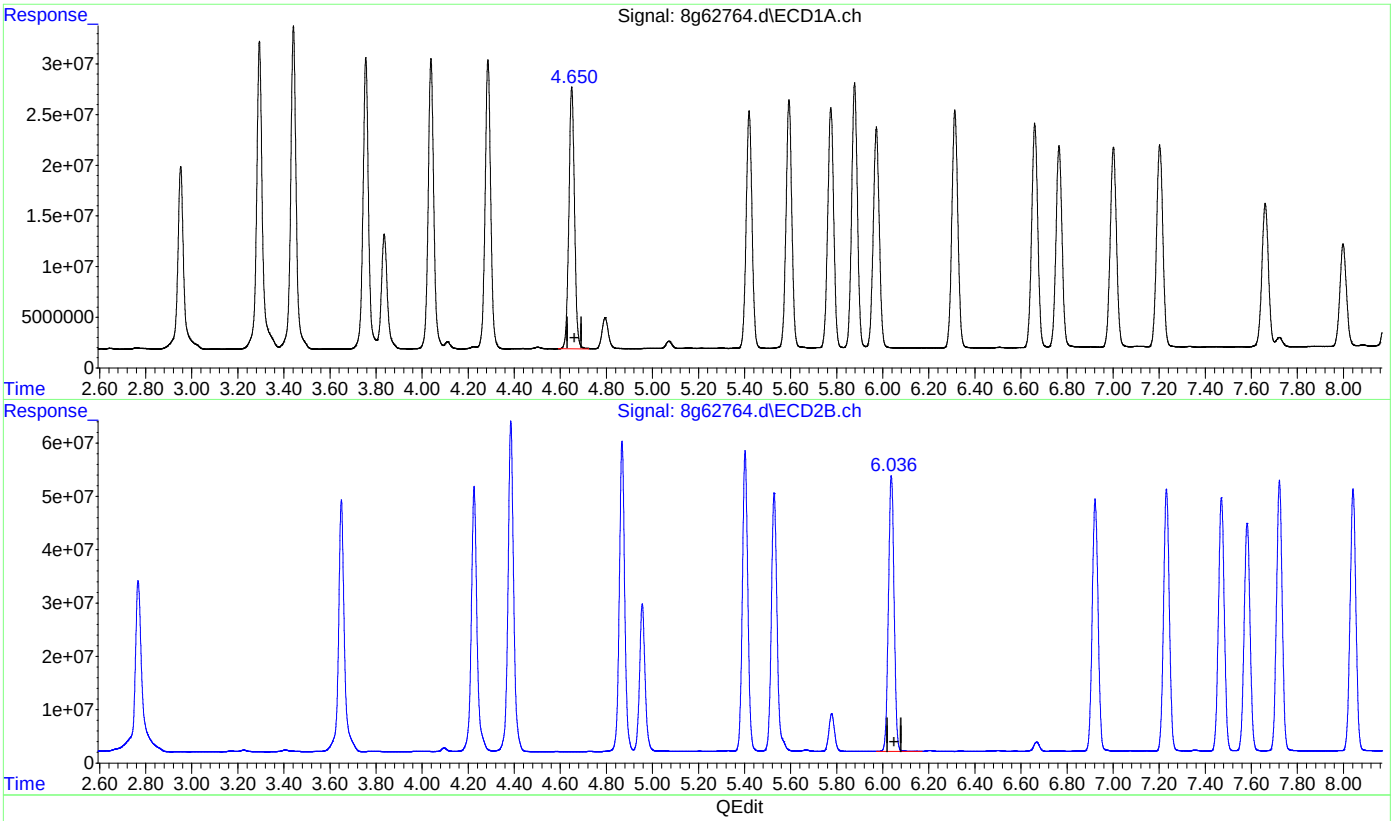
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62764.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 1:07 am
Operator : christp
Sample : cc2596-5
Misc : op59749,g8g2700,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:00:17 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(9) Aldrin (MB)

4.650min 5.944 PPB m

response 437466680

(9) Aldrin #2 (MB)

6.037min 5.078 PPB

response 884262583

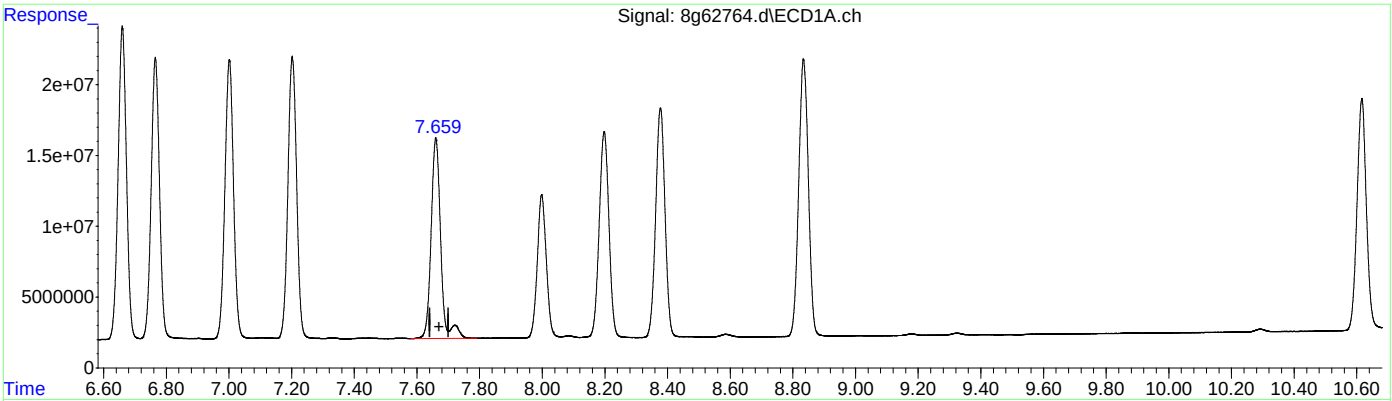
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:01:09 2024

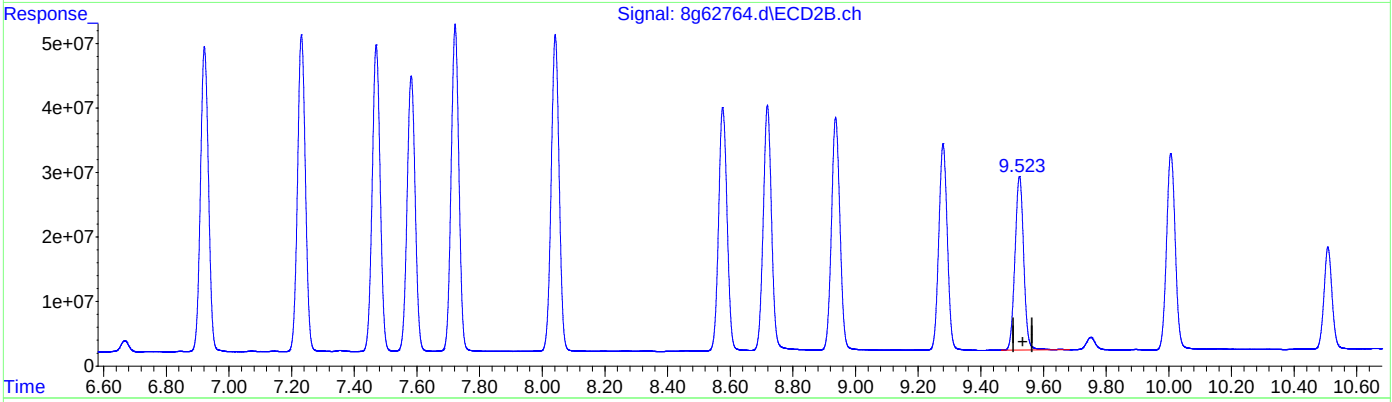
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62764.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 1:07 am
Operator : christp
Sample : cc2596-5
Misc : op59749,g8g2700,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:00:17 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(21) Endrin Aldehyde (B)

7.660min 5.703 PPB

response 302417080

(21) Endrin Aldehyde #2 (B)

9.523min 4.751 PPB

response 522157878

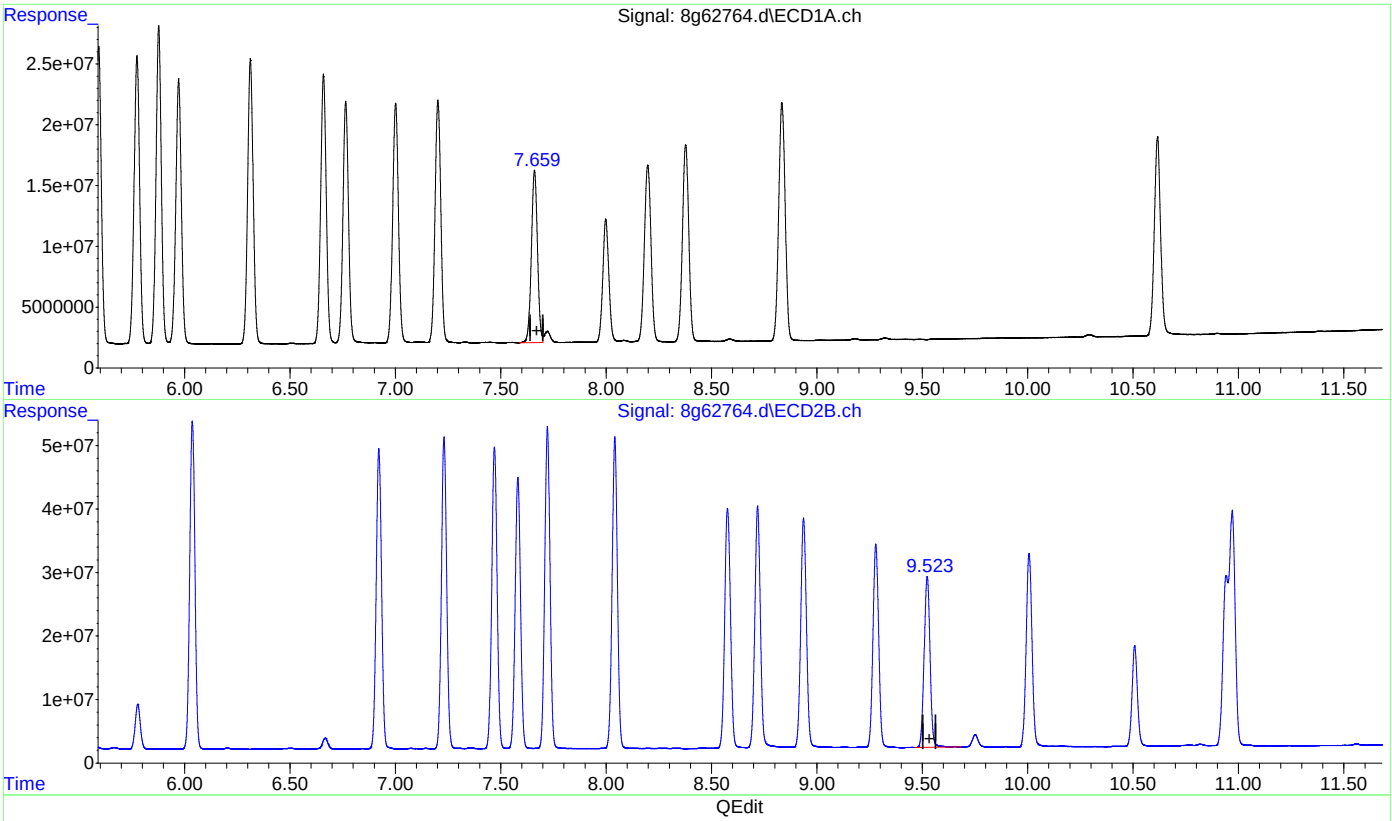
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62764.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 1:07 am
Operator : christp
Sample : cc2596-5
Misc : op59749,g8g2700,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:00:17 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(21) Endrin Aldehyde (B)

7.659min 5.363 PPB m

response 284411588

(21) Endrin Aldehyde #2 (B)

9.523min 4.751 PPB

response 522157878

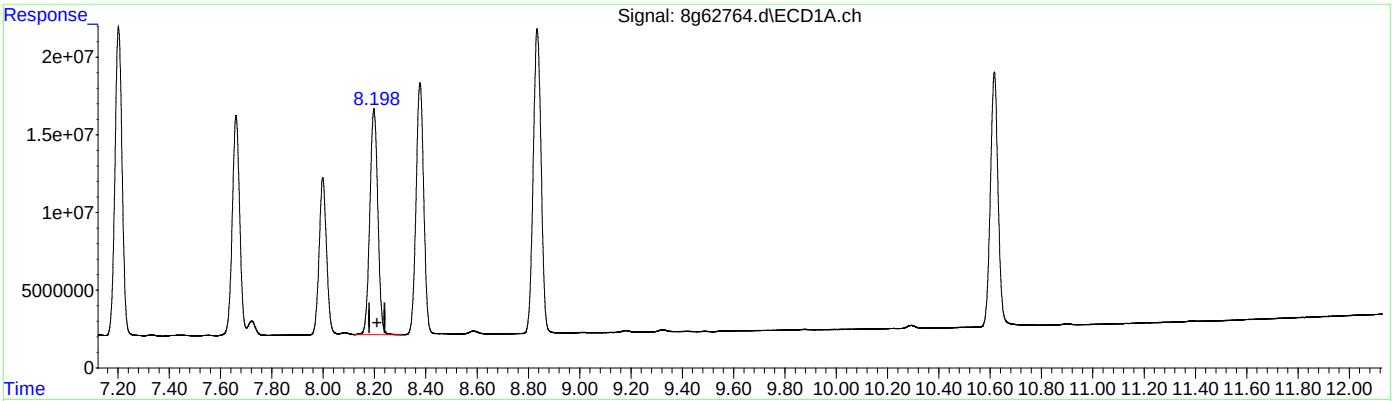
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:01:23 2024

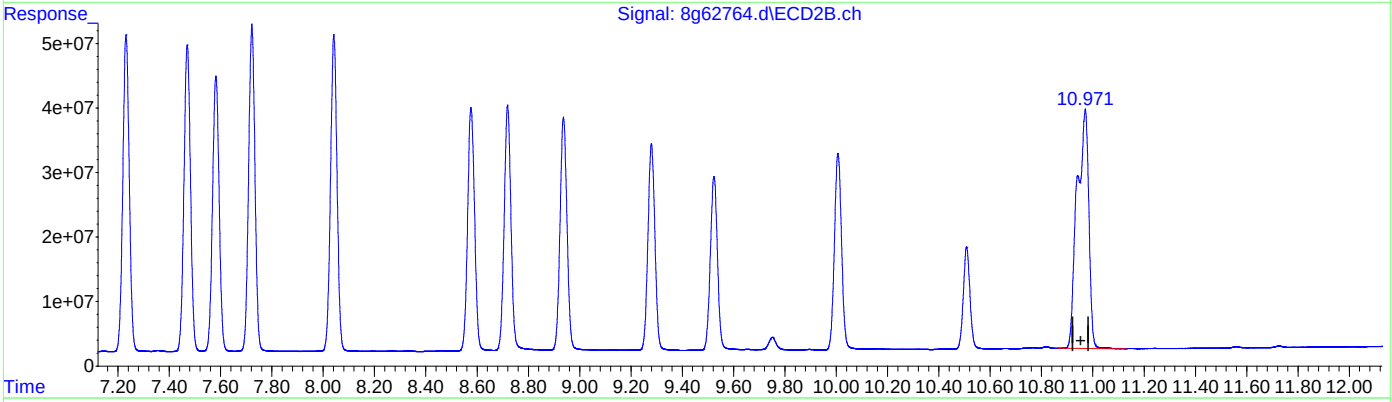
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62764.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 1:07 am
Operator : christp
Sample : cc2596-5
Misc : op59749,g8g2700,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:00:17 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(24) Mirex

8.198min 5.727 PPB

response 314897243

(24) Mirex #2

10.970min 14.471 PPB

response 1173530589

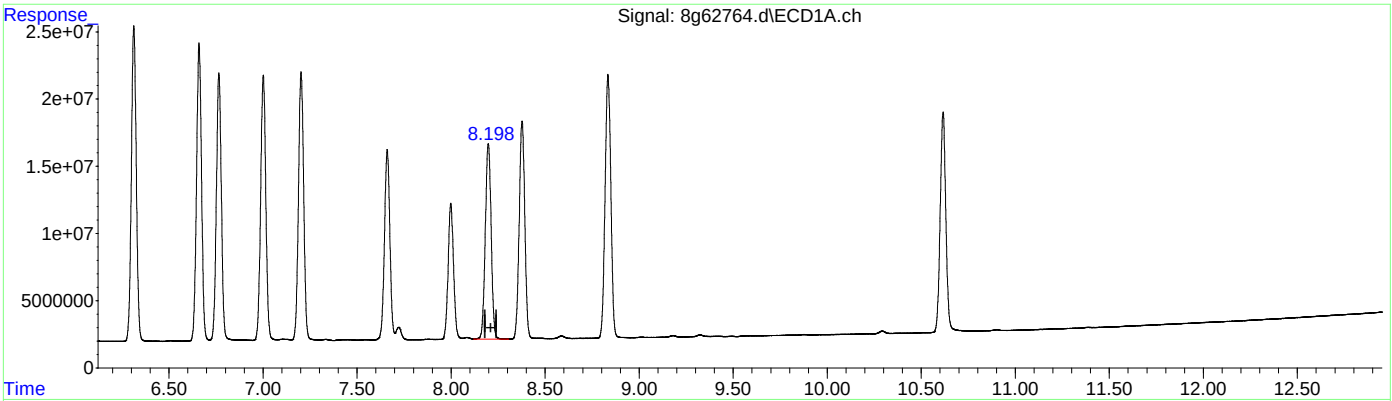
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62764.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 1:07 am
Operator : christp
Sample : cc2596-5
Misc : op59749,g8g2700,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:00:17 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(24) Mirex

8.198min 5.727 PPB

response 314897243

(24) Mirex #2

10.941min 5.007 PPB m

response 406073453

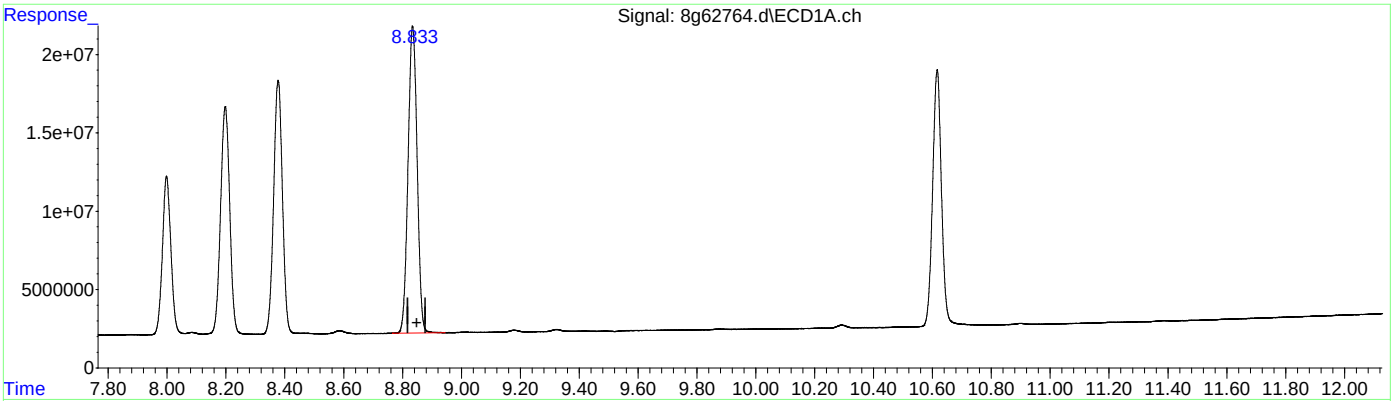
(+) = Expected Retention Time

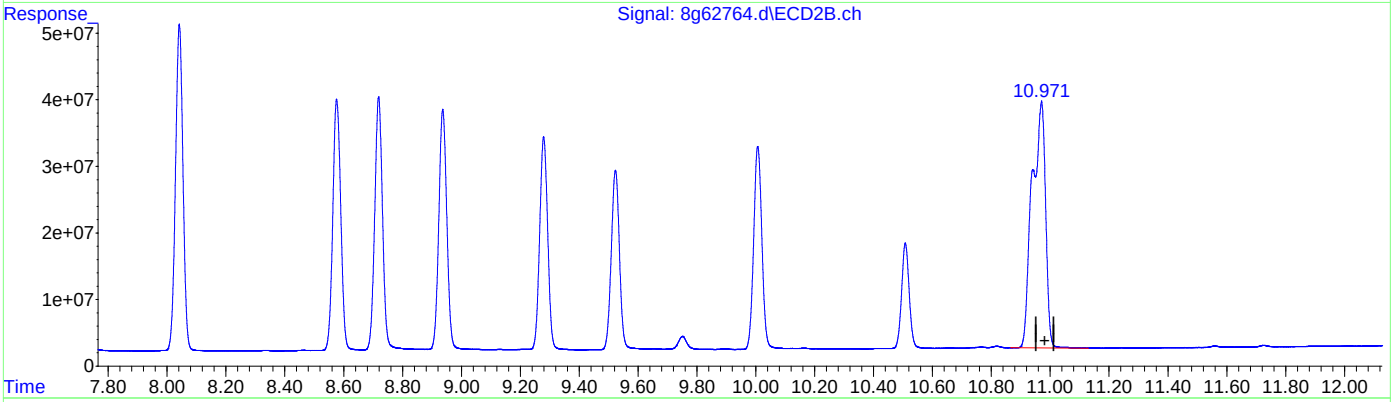
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62764.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 1:07 am
Operator : christp
Sample : cc2596-5
Misc : op59749,g8g2700,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:00:17 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(25) Endrin Ketone (B)

8.834min 5.527 PPB

response 419834330

(25) Endrin Ketone #2 (B)

10.970min 6.792 PPB

response 1173530589

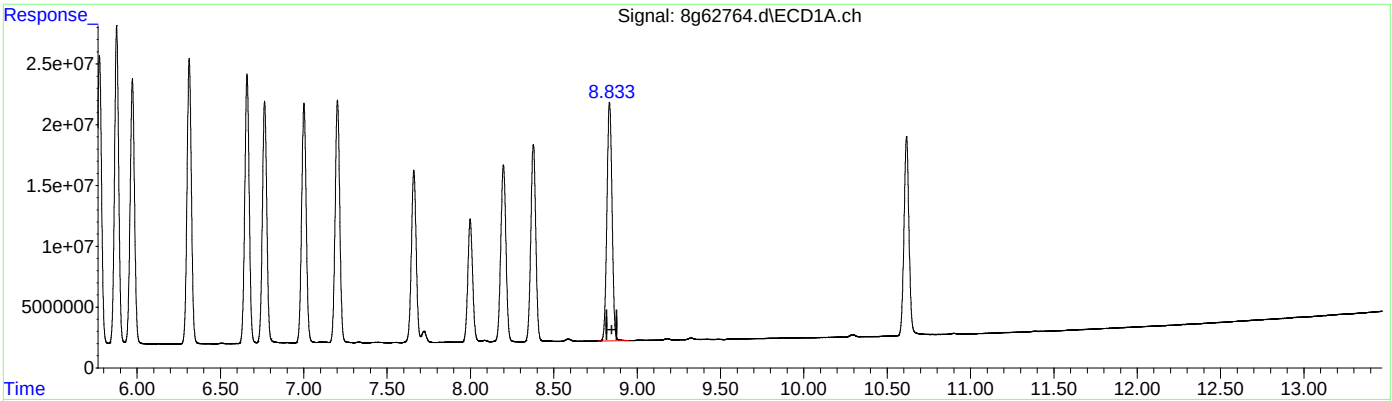
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:01:35 2024

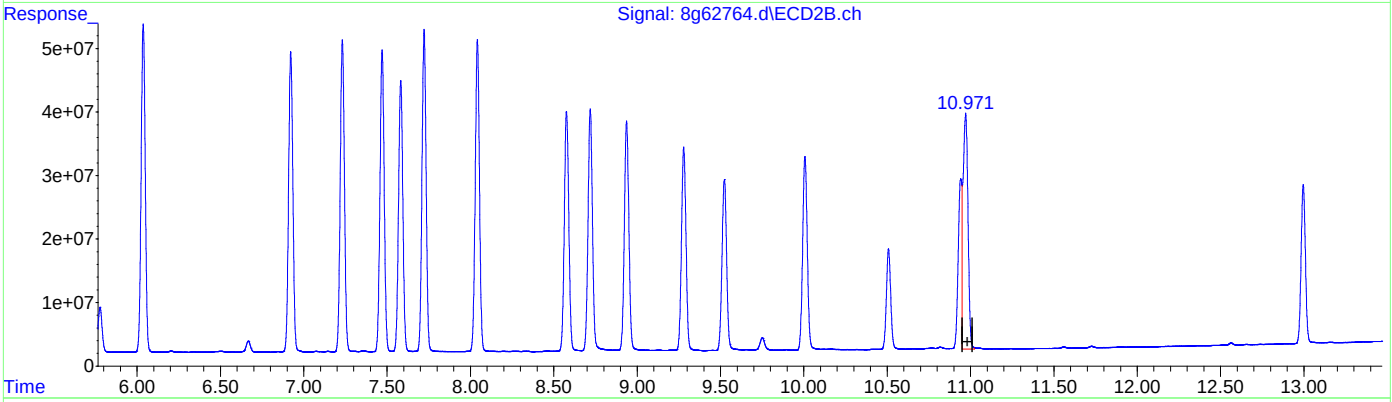
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62764.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 1:07 am
Operator : christp
Sample : cc2596-5
Misc : op59749,g8g2700,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:00:17 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(25) Endrin Ketone (B)

8.834min 5.527 PPB

response 419834330

(25) Endrin Ketone #2 (B)

10.971min 4.448 PPB m

response 768525969

(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:01:52 2024

Manual Integrations APPROVED
(compounds with "m" flag)
Gwendolyn Burns
12/04/24 20:03

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\
Data File : 8g62795a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59740,g8g2702,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 14:37:05 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1)	I 1-bromo-2...	2.415	2.778	309.9E6	711.3E6	5.000m	5.000m
27)	I 1-bromo-2...	2.415	2.778	309.2E6	711.6E6	5.000m	5.000
33)	I 1-bromo-2...	2.415	2.778	313.7E6	711.6E6	5.000m	5.000
	System Monitoring Compounds						
2)	SAB Tetrachlo...	2.959	3.656	327.9E6	844.1E6	5.484	4.843
	Spiked Amount 40.000	Range 30 - 150		Recovery =	13.71%#	12.11%#	
26)	SA Decachlor...	10.616	12.997	307.3E6	415.3E6	5.342m	4.213m
	Spiked Amount 40.000			Recovery =	13.36%	10.53%	
	Target Compounds						
3)	hexachlor...	3.300	4.232	537.6E6	875.1E6	5.708	4.719
4)	A alpha-BHC	3.447	4.390	534.9E6	1132.5E6	5.581	5.231
5)	MA gamma-BHC	3.760	4.872	479.6E6	985.2E6	6.130	5.146
6)	MA Heptachlor	4.290	5.533	480.1E6	859.8E6	5.955	5.084m
7)	B beta-BHC	3.841	4.960	210.6E6	484.2E6	5.701	4.955
8)	B delta-BHC	4.042	5.406	499.3E6	988.3E6	6.356m	5.327m
9)	MB Aldrin	4.654	6.041	430.6E6	888.0E6	6.042	5.071
10)	alachlor	4.799	5.783	56503425	118.9E6	5.295	4.551
11)	B Heptachlo...	5.423	6.926	405.7E6	837.0E6	5.770	5.059
12)	B gamma-Chl...	5.596	7.235	421.6E6	848.1E6	5.627	5.186m
13)	B alpha-Chl...	5.778	7.474	419.6E6	830.3E6	6.013	5.111
14)	A Endosulfan I	5.976	7.586	386.9E6	759.1E6	5.935	5.098
15)	B 4,4'-DDE	5.881	7.725	436.5E6	851.6E6	6.112	5.407m
16)	MA Dieldrin	6.317	8.044	420.8E6	853.0E6	5.926	5.066m
17)	MA Endrin	6.664	8.580	382.5E6	681.3E6	6.832	5.616m
18)	A 4,4'-DDD	6.768	8.721	345.9E6	683.7E6	5.783	4.937
19)	B Endosulfa...	7.004	8.940	360.5E6	674.1E6	5.772	4.789m
20)	MA 4,4'-DDT	7.205	9.283	350.2E6	584.1E6	5.800	5.099
21)	B Endrin Al...	7.663	9.526	277.5E6	504.6E6	5.404	4.565
22)	B Endosulfa...	8.379	10.009	323.7E6	590.4E6	5.572	4.640
23)	A Methoxychlor	8.001	10.511	181.5E6	266.8E6	5.170	4.688
24)	Mirex	8.200	10.943	287.3E6	412.6E6	5.396	5.058m
25)	B Endrin Ke...	8.837	10.974	388.7E6	711.3E6	5.285	4.093m

SemiQuant Compounds - Not Calibrated on this Instrument

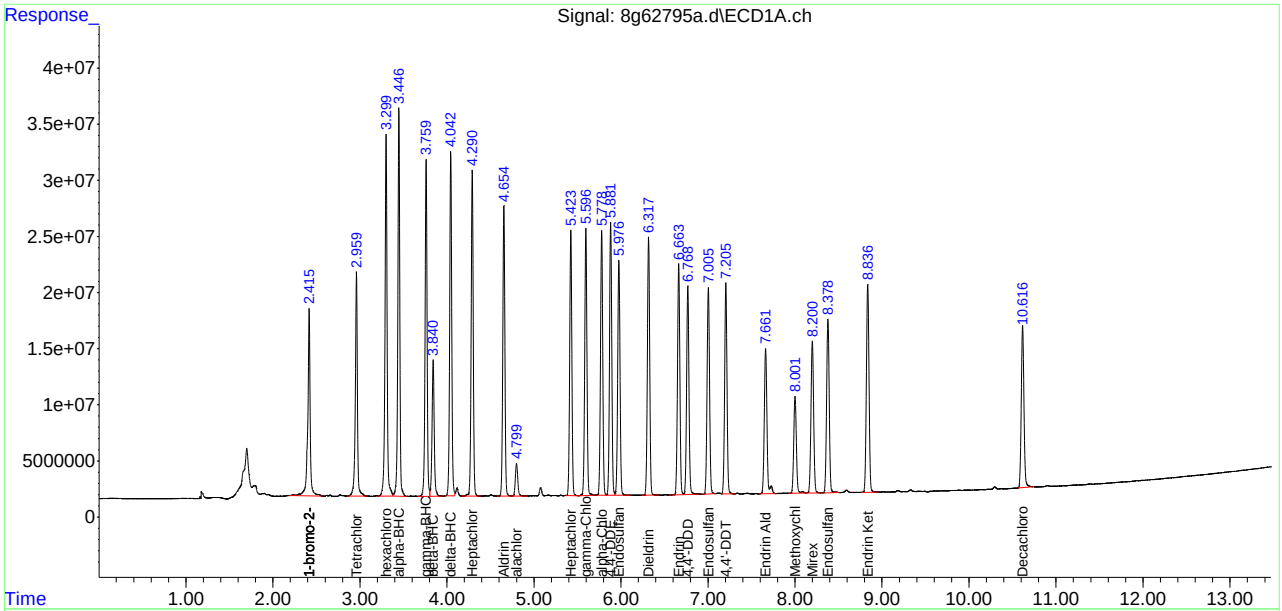
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

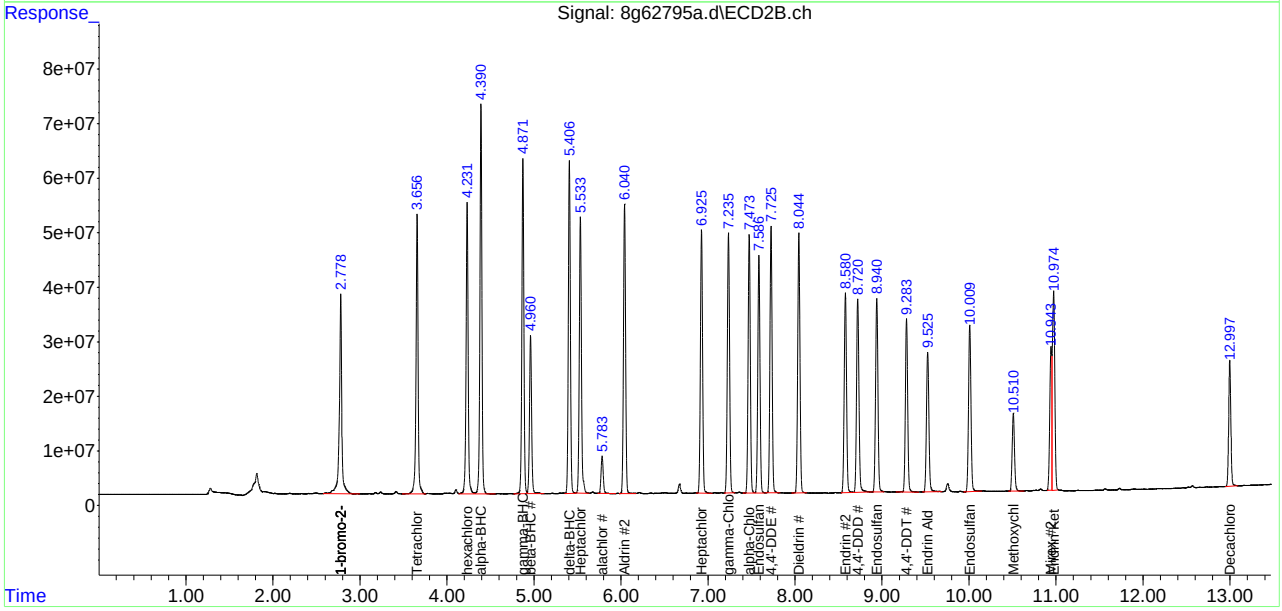
Quantitation Report (QT Reviewed)

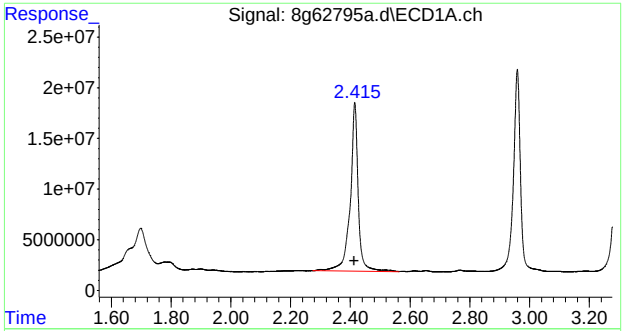
Data Path : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\
Data File : 8g62795a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59740,g8g2702,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 14:37:05 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

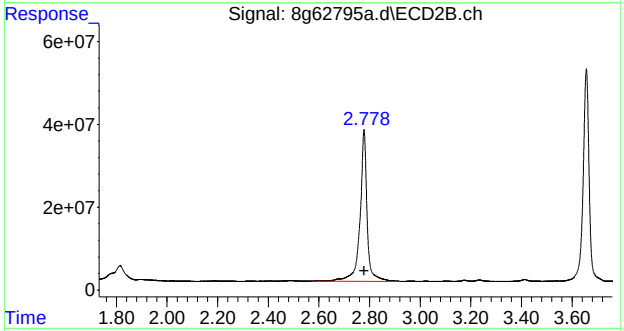






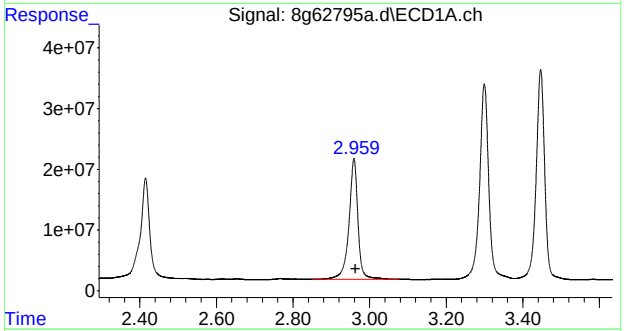
#1 1-bromo-2-nitrobenzene

R.T.: 2.415 min
Delta R.T.: 0.002 min
Response: 309905499
Conc: 5.00 PPB m



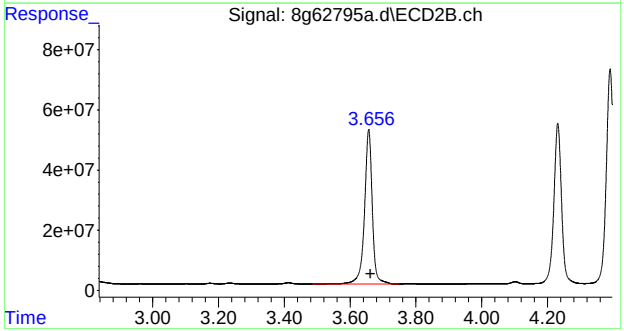
#1 1-bromo-2-nitrobenzene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 711323291
Conc: 5.00 PPB m



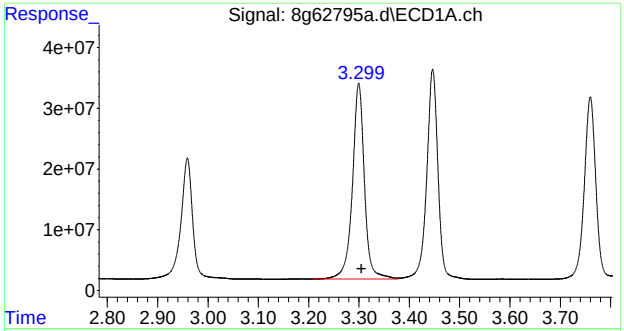
#2 Tetrachloro-m-xylene

R.T.: 2.959 min
Delta R.T.: -0.003 min
Response: 327866535
Conc: 5.48 PPB



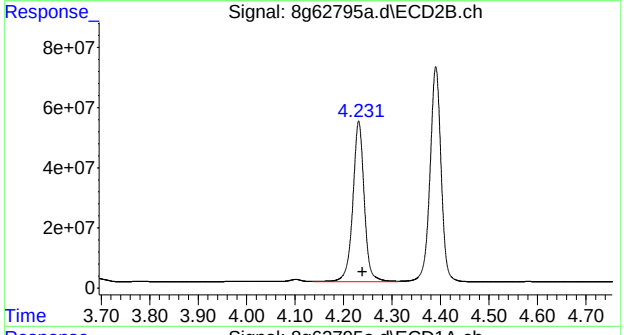
#2 Tetrachloro-m-xylene

R.T.: 3.656 min
Delta R.T.: -0.005 min
Response: 844064751
Conc: 4.84 PPB



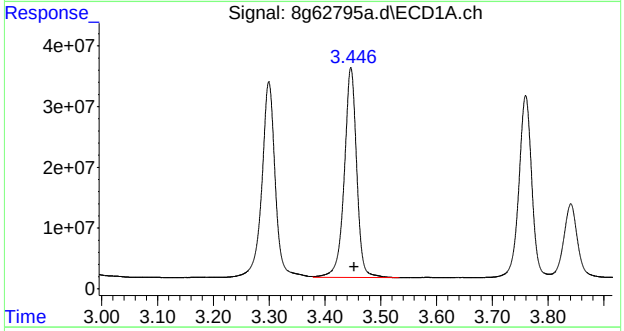
#3 hexachlorobenzene

R.T.: 3.300 min
Delta R.T.: -0.005 min
Response: 537625381
Conc: 5.71 PPB



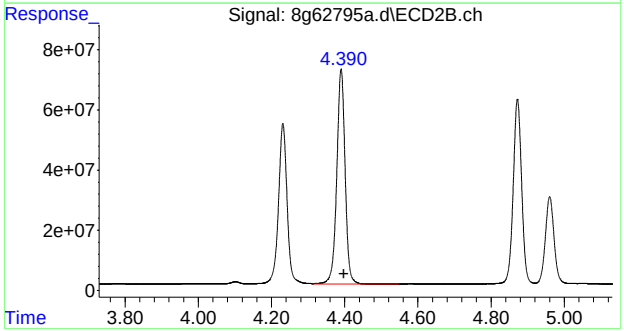
#3 hexachlorobenzene

R.T.: 4.232 min
Delta R.T.: -0.007 min
Response: 875109470
Conc: 4.72 PPB



#4 alpha-BHC

R.T.: 3.447 min
Delta R.T.: -0.006 min
Response: 534857419
Conc: 5.58 PPB

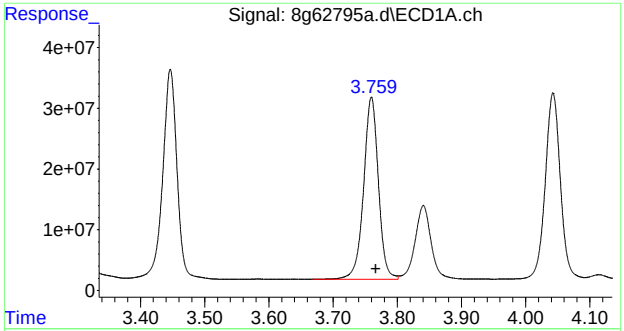


#4 alpha-BHC

R.T.: 4.390 min
Delta R.T.: -0.007 min
Response: 1132523116
Conc: 5.23 PPB

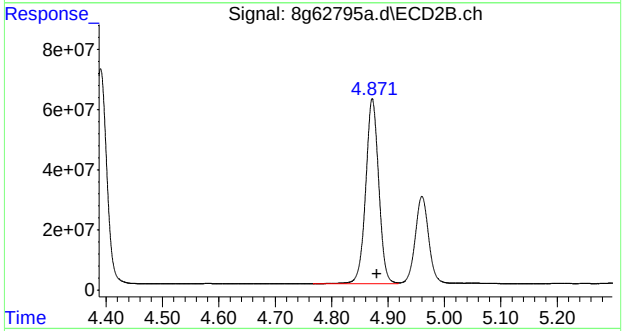
7.6.30

7



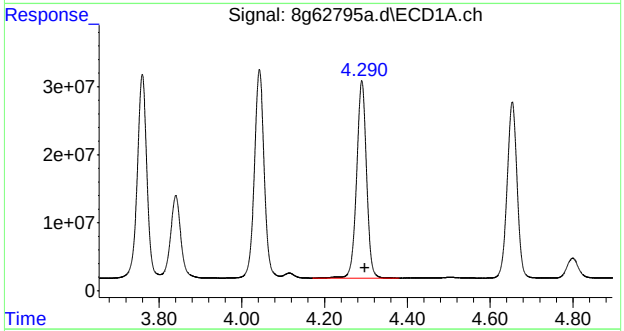
#5 gamma-BHC

R.T.: 3.760 min
Delta R.T.: -0.007 min
Response: 479647393
Conc: 6.13 PPB



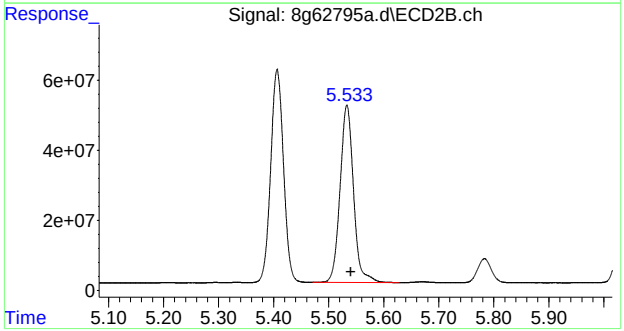
#5 gamma-BHC

R.T.: 4.872 min
Delta R.T.: -0.007 min
Response: 985241252
Conc: 5.15 PPB



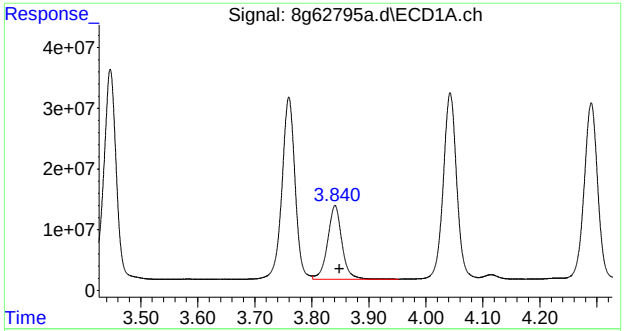
#6 Heptachlor

R.T.: 4.290 min
Delta R.T.: -0.007 min
Response: 480063550
Conc: 5.96 PPB



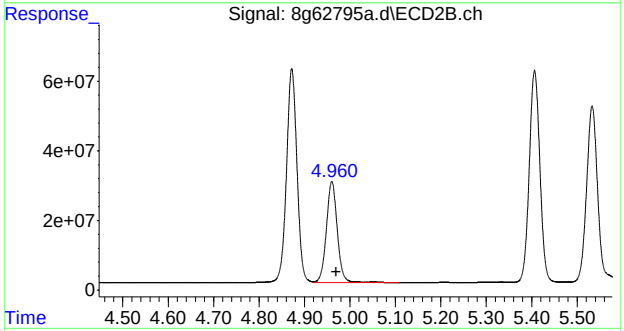
#6 Heptachlor

R.T.: 5.533 min
Delta R.T.: -0.007 min
Response: 859801274
Conc: 5.08 PPB m



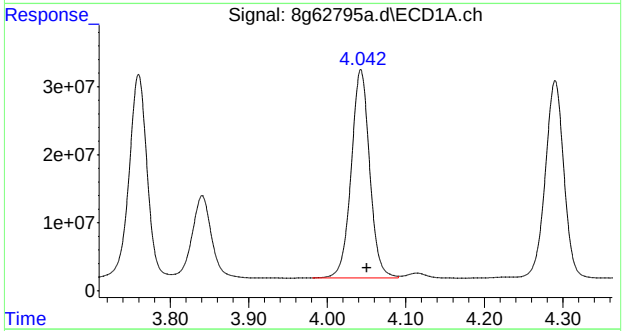
#7 beta-BHC

R.T.: 3.841 min
Delta R.T.: -0.007 min
Response: 210644488
Conc: 5.70 PPB



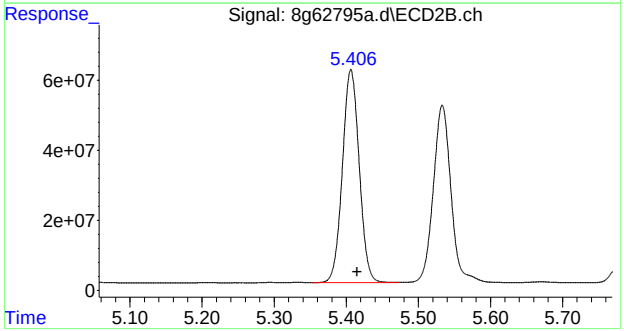
#7 beta-BHC

R.T.: 4.960 min
Delta R.T.: -0.009 min
Response: 484151013
Conc: 4.95 PPB



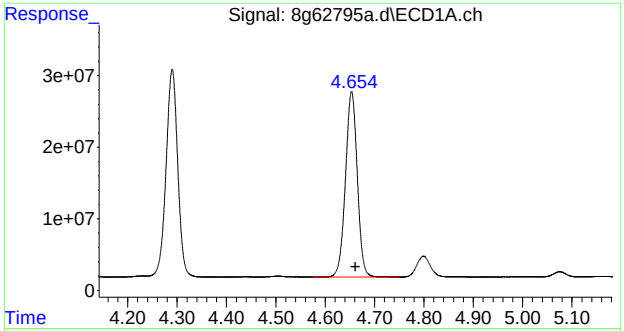
#8 delta-BHC

R.T.: 4.042 min
Delta R.T.: -0.008 min
Response: 499255838
Conc: 6.36 PPB m



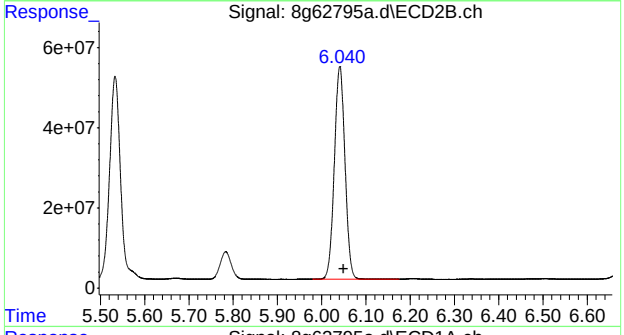
#8 delta-BHC

R.T.: 5.406 min
Delta R.T.: -0.009 min
Response: 988319796
Conc: 5.33 PPB m



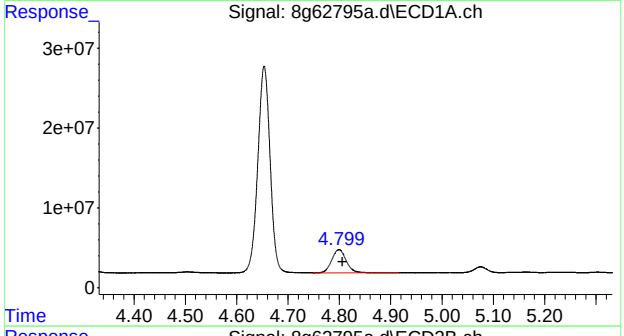
#9 Aldrin

R.T.: 4.654 min
Delta R.T.: -0.008 min
Response: 430560105
Conc: 6.04 PPB



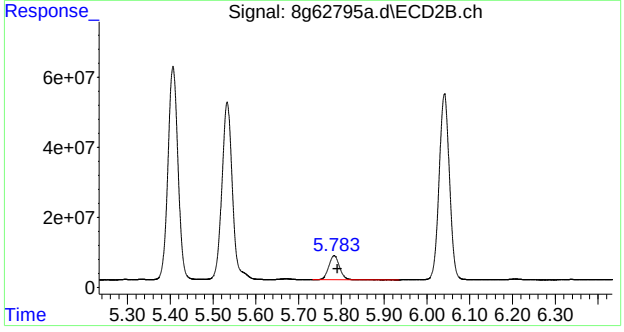
#9 Aldrin

R.T.: 6.041 min
Delta R.T.: -0.008 min
Response: 888028545
Conc: 5.07 PPB



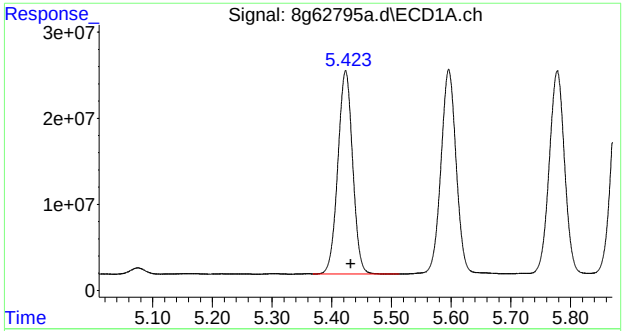
#10 alachlor

R.T.: 4.799 min
Delta R.T.: -0.007 min
Response: 56503425
Conc: 5.29 PPB



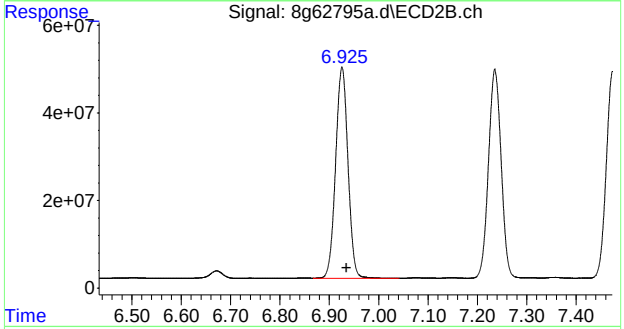
#10 alachlor

R.T.: 5.783 min
Delta R.T.: -0.007 min
Response: 118885075
Conc: 4.55 PPB



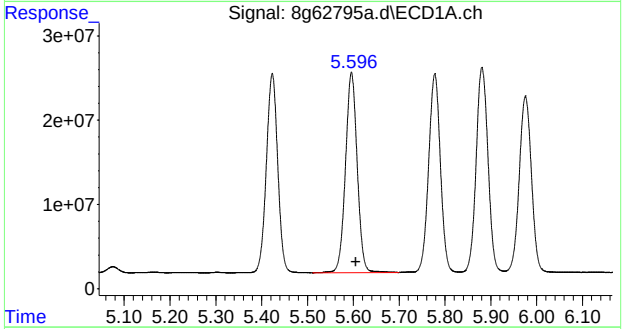
#11 Heptachlor Epoxide

R.T.: 5.423 min
Delta R.T.: -0.009 min
Response: 405661761
Conc: 5.77 PPB



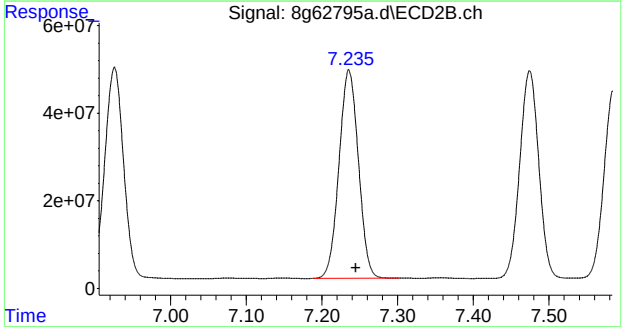
#11 Heptachlor Epoxide

R.T.: 6.926 min
Delta R.T.: -0.008 min
Response: 836974769
Conc: 5.06 PPB



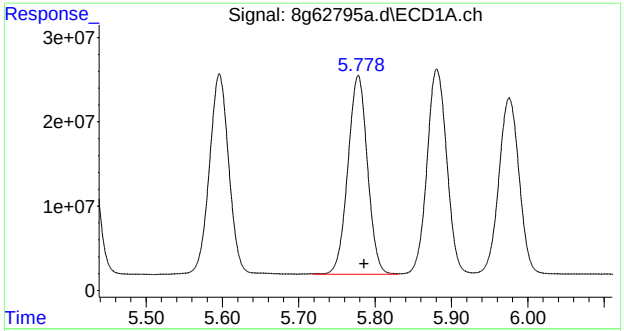
#12 gamma-Chlordane

R.T.: 5.596 min
Delta R.T.: -0.009 min
Response: 421582253
Conc: 5.63 PPB



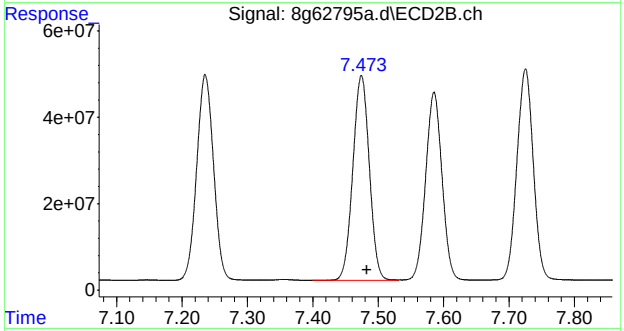
#12 gamma-Chlordane

R.T.: 7.235 min
Delta R.T.: -0.010 min
Response: 848108084
Conc: 5.19 PPB m



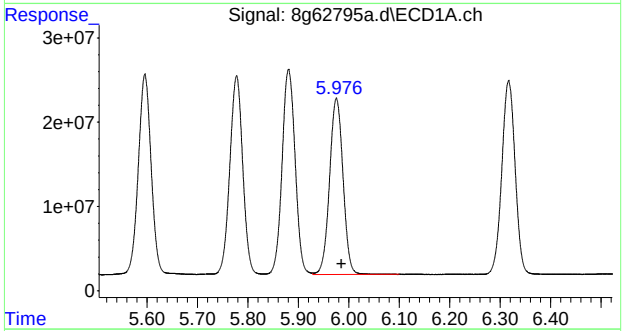
#13 alpha-Chlordane

R.T.: 5.778 min
Delta R.T.: -0.008 min
Response: 419554281
Conc: 6.01 PPB



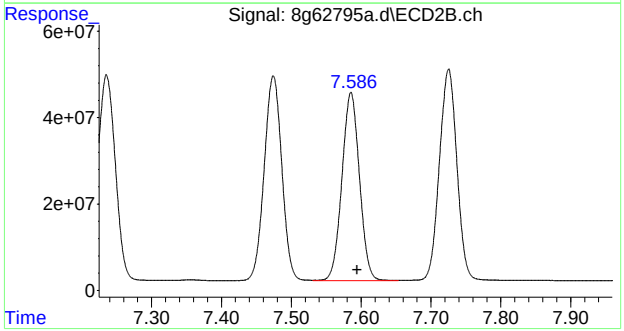
#13 alpha-Chlordane

R.T.: 7.474 min
Delta R.T.: -0.008 min
Response: 830343972
Conc: 5.11 PPB



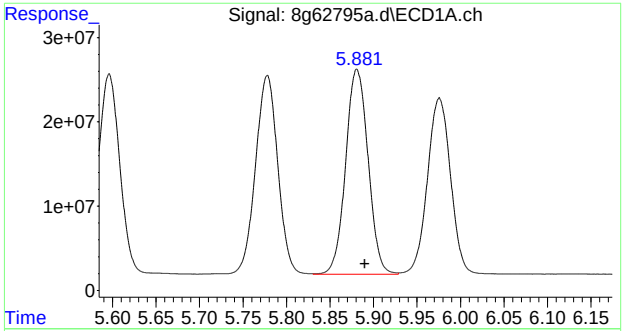
#14 Endosulfan I

R.T.: 5.976 min
Delta R.T.: -0.009 min
Response: 386909017
Conc: 5.93 PPB



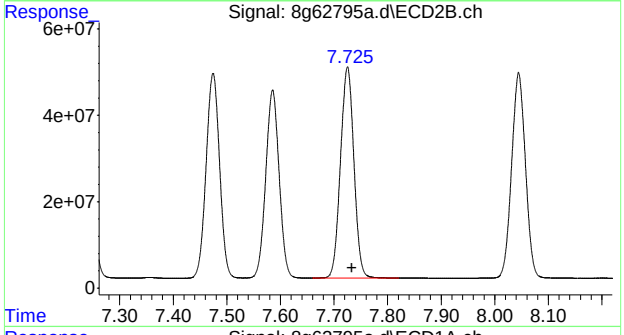
#14 Endosulfan I

R.T.: 7.586 min
Delta R.T.: -0.009 min
Response: 759083245
Conc: 5.10 PPB



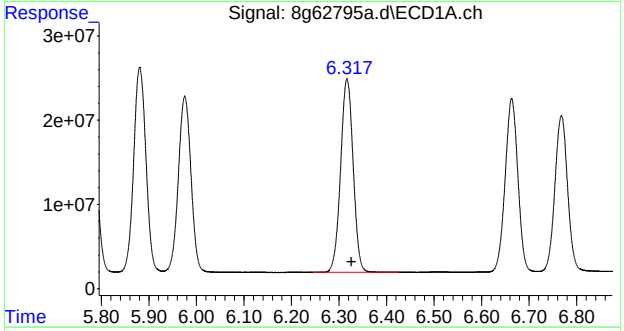
#15 4,4'-DDE

R.T.: 5.881 min
Delta R.T.: -0.009 min
Response: 436542223
Conc: 6.11 PPB



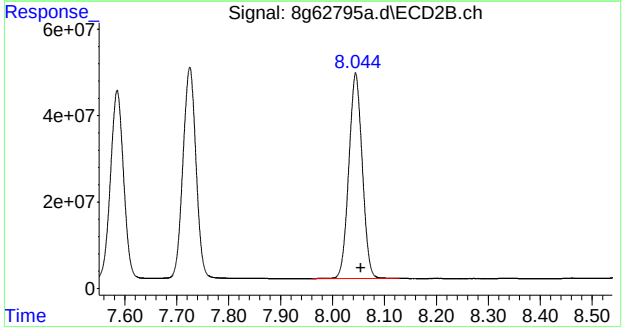
#15 4,4'-DDE

R.T.: 7.725 min
Delta R.T.: -0.008 min
Response: 851578213
Conc: 5.41 PPB m



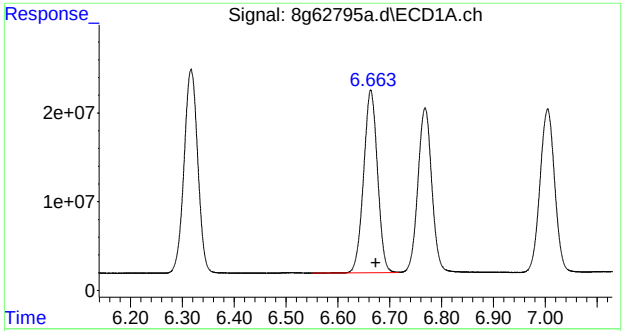
#16 Dieldrin

R.T.: 6.317 min
Delta R.T.: -0.009 min
Response: 420842946
Conc: 5.93 PPB



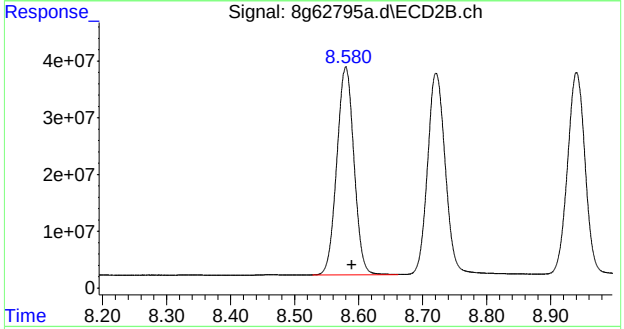
#16 Dieldrin

R.T.: 8.044 min
Delta R.T.: -0.011 min
Response: 852955545
Conc: 5.07 PPB m



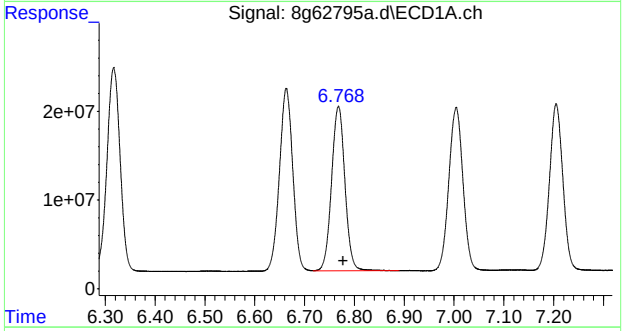
#17 Endrin

R.T.: 6.664 min
Delta R.T.: -0.009 min
Response: 382496129
Conc: 6.83 PPB



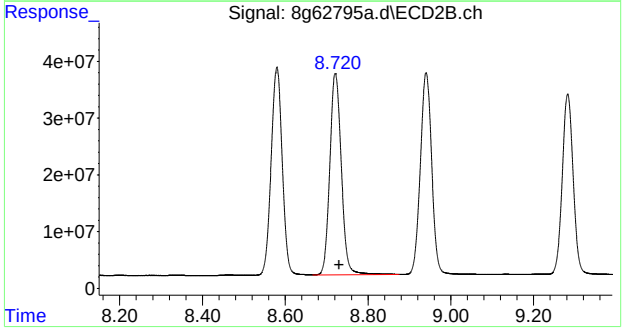
#17 Endrin

R.T.: 8.580 min
Delta R.T.: -0.009 min
Response: 681267840
Conc: 5.62 PPB m



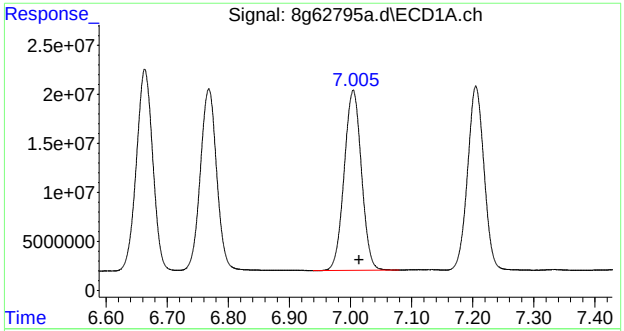
#18 4,4'-DDD

R.T.: 6.768 min
Delta R.T.: -0.010 min
Response: 345879598
Conc: 5.78 PPB



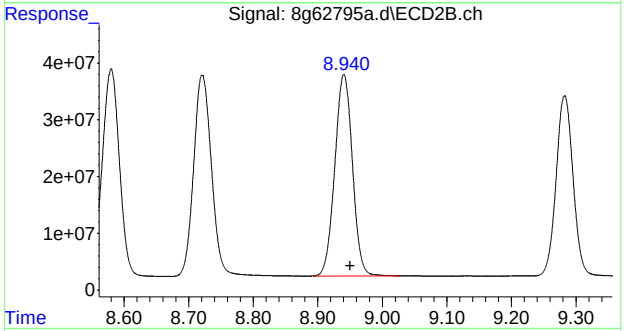
#18 4,4'-DDD

R.T.: 8.721 min
Delta R.T.: -0.009 min
Response: 683706680
Conc: 4.94 PPB



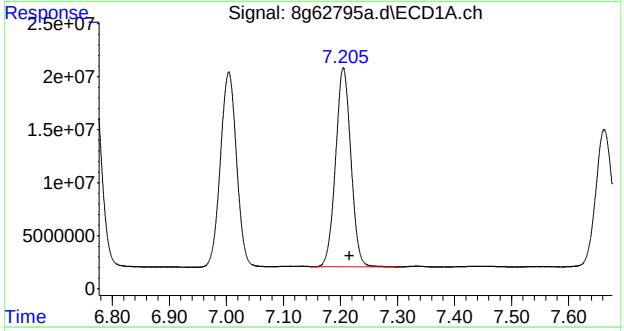
#19 Endosulfan II

R.T.: 7.004 min
Delta R.T.: -0.010 min
Response: 360483171
Conc: 5.77 PPB



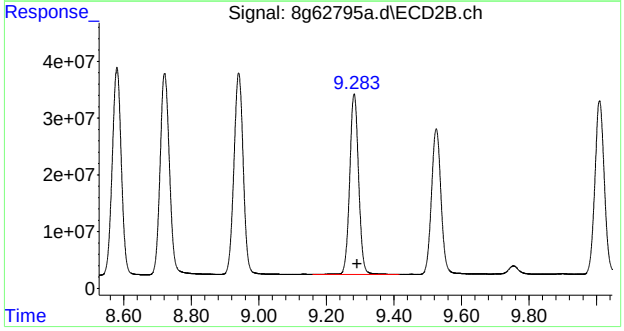
#19 Endosulfan II

R.T.: 8.940 min
Delta R.T.: -0.010 min
Response: 674065386
Conc: 4.79 PPB m



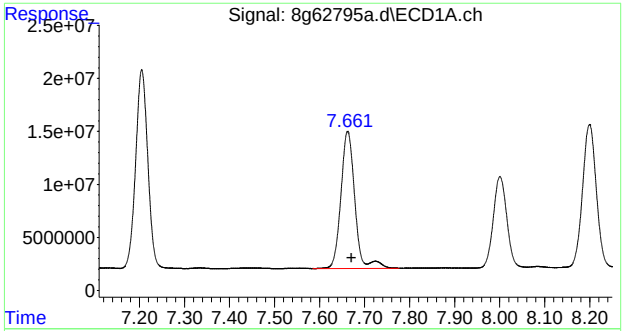
#20 4,4'-DDT

R.T.: 7.205 min
Delta R.T.: -0.010 min
Response: 350215154
Conc: 5.80 PPB



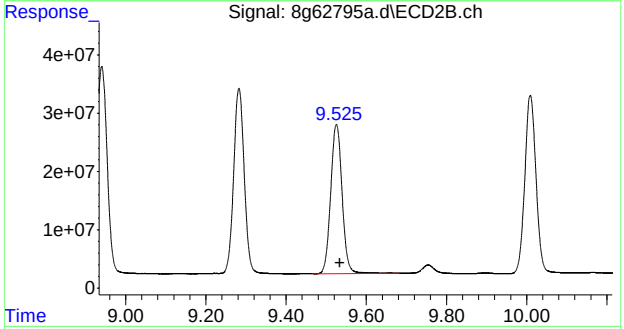
#20 4,4'-DDT

R.T.: 9.283 min
Delta R.T.: -0.009 min
Response: 584058691
Conc: 5.10 PPB



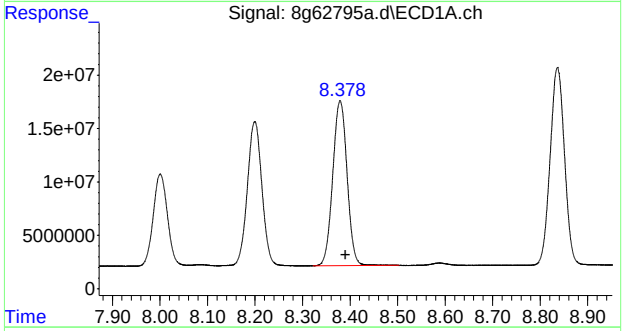
#21 Endrin Aldehyde

R.T.: 7.663 min
Delta R.T.: -0.008 min
Response: 277450856
Conc: 5.40 PPB



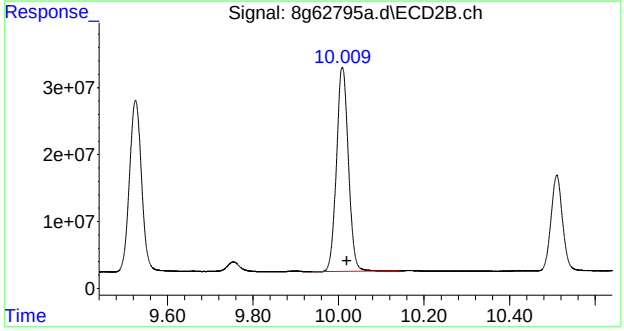
#21 Endrin Aldehyde

R.T.: 9.526 min
Delta R.T.: -0.008 min
Response: 504610501
Conc: 4.57 PPB



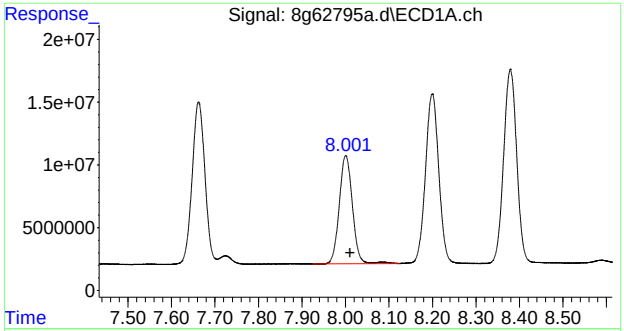
#22 Endosulfan Sulfate

R.T.: 8.379 min
Delta R.T.: -0.011 min
Response: 323651829
Conc: 5.57 PPB



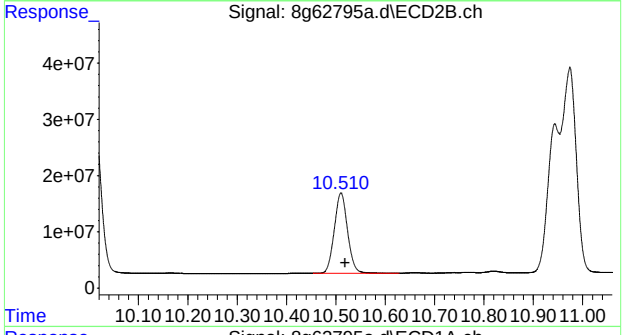
#22 Endosulfan Sulfate

R.T.: 10.009 min
Delta R.T.: -0.010 min
Response: 590368462
Conc: 4.64 PPB



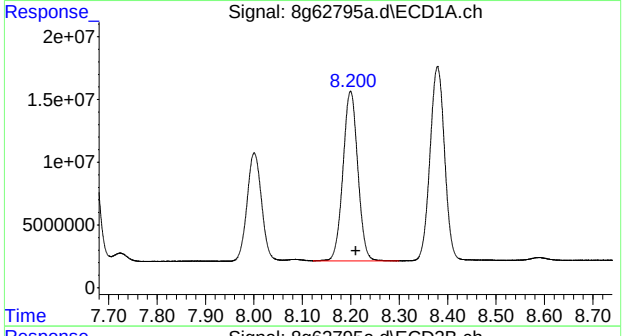
#23 Methoxychlor

R.T.: 8.001 min
Delta R.T.: -0.009 min
Response: 181479323
Conc: 5.17 PPB



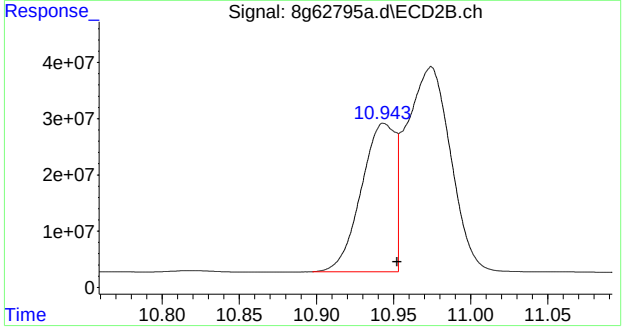
#23 Methoxychlor

R.T.: 10.511 min
Delta R.T.: -0.009 min
Response: 266790451
Conc: 4.69 PPB



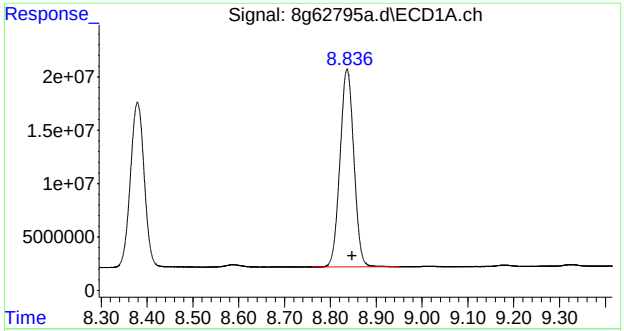
#24 Mirex

R.T.: 8.200 min
Delta R.T.: -0.011 min
Response: 287292979
Conc: 5.40 PPB



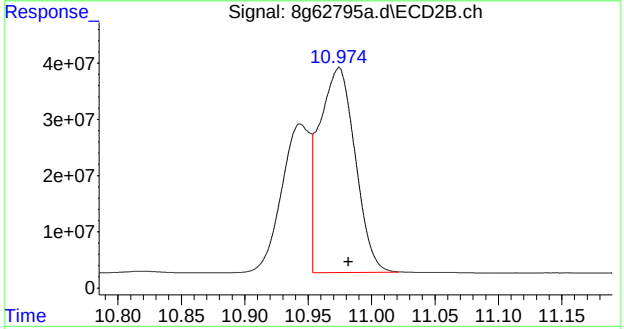
#24 Mirex

R.T.: 10.943 min
Delta R.T.: -0.009 min
Response: 412565586
Conc: 5.06 PPB m



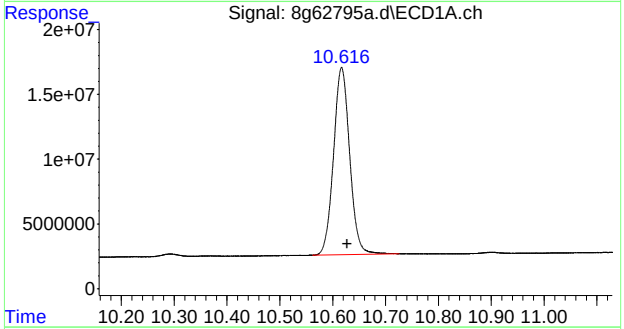
#25 Endrin Ketone

R.T.: 8.837 min
Delta R.T.: -0.011 min
Response: 388696880
Conc: 5.29 PPB



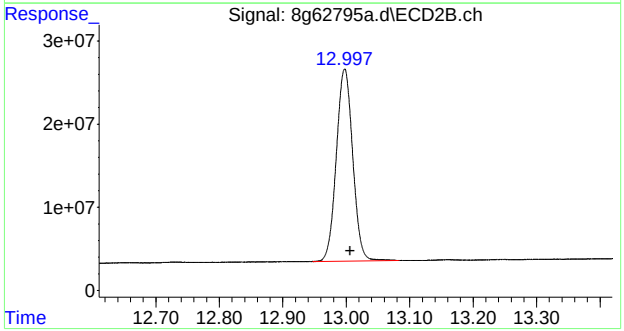
#25 Endrin Ketone

R.T.: 10.974 min
Delta R.T.: -0.008 min
Response: 711348429
Conc: 4.09 PPB m



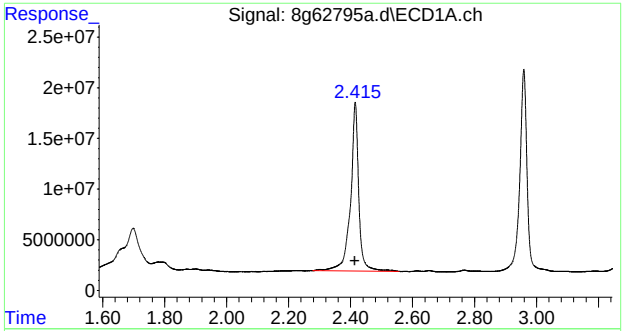
#26 Decachlorobiphenyl

R.T.: 10.616 min
Delta R.T.: -0.011 min
Response: 307262130
Conc: 5.34 PPB m



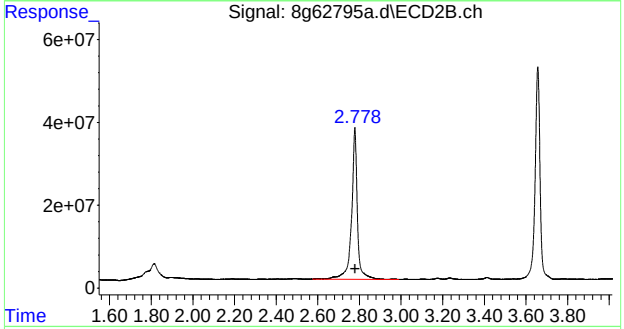
#26 Decachlorobiphenyl

R.T.: 12.997 min
Delta R.T.: -0.010 min
Response: 415317387
Conc: 4.21 PPB m



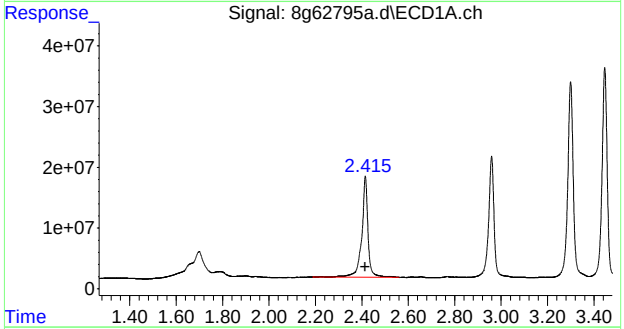
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.415 min
Delta R.T.: 0.001 min
Response: 309236336
Conc: 5.00 PPB m



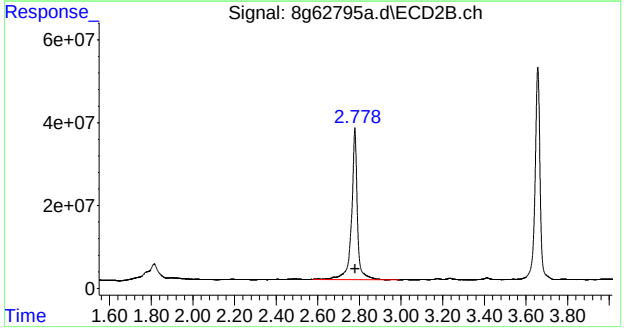
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 711576293
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.415 min
Delta R.T.: 0.001 min
Response: 313737189
Conc: 5.00 PPB m



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 711576293
Conc: 5.00 PPB

Manual Integration Approval Summary

Sample Number: G8G2702-CC2596
Lab FileID: 8G62795A.D
Injection Time: 12/03/24 14:22
Method: SW846 8081B
Analyst approved: 12/04/24 13:52 Laura Bernal
Supervisor approved: 12/04/24 20:03 Gwendolyn Burns

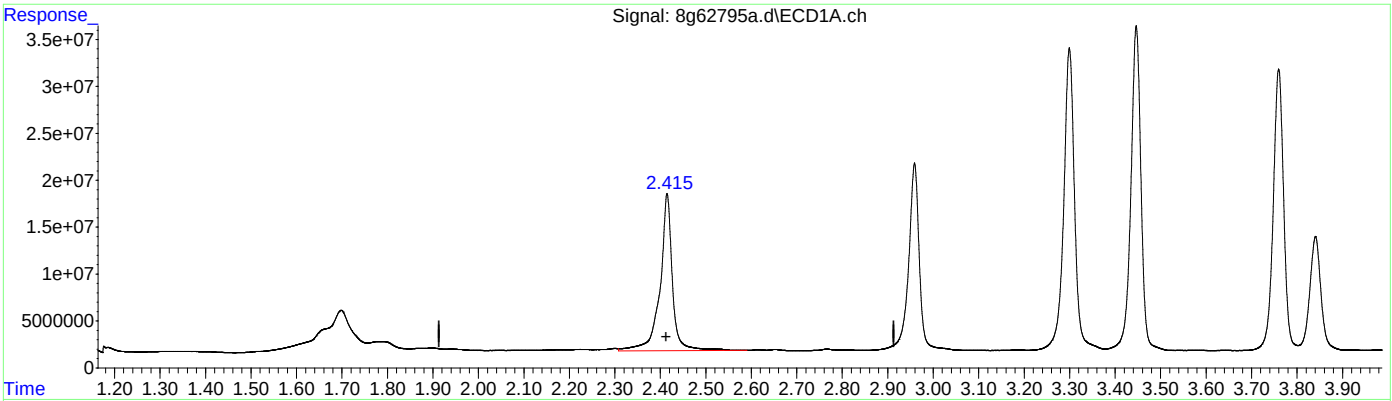
Parameter	CAS	Sig#	R.T. (min.)	Reason
1-Bromo-2-nitrobenzene	577-19-5	1	2.41	Poorly defined baseline
1-Bromo-2-nitrobenzene	577-19-5	2	2.78	Poorly defined baseline
delta-BHC	319-86-8	1	4.04	Poorly defined baseline
delta-BHC	319-86-8	2	5.41	Poorly defined baseline
Heptachlor	76-44-8	2	5.53	Poorly defined baseline
gamma-Chlordane	5103-74-2	2	7.23	Poorly defined baseline
4,4'-DDE	72-55-9	2	7.73	Poorly defined baseline
Dieldrin	60-57-1	2	8.04	Poorly defined baseline
Endrin	72-20-8	2	8.58	Poorly defined baseline
Endosulfan-II	33213-65-9	2	8.94	Poorly defined baseline
Decachlorobiphenyl	2051-24-3	1	10.62	Poorly defined baseline
Mirex	2385-85-5	2	10.94	Poorly defined baseline
Endrin ketone	53494-70-5	2	10.97	Poorly defined baseline
Decachlorobiphenyl	2051-24-3	2	13.00	Poorly defined baseline

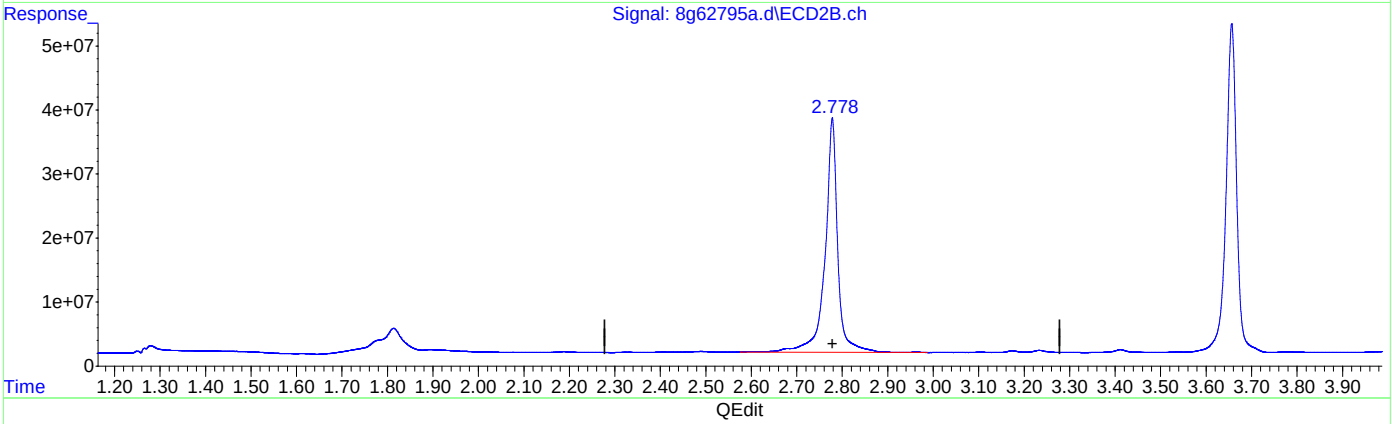
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\
Data File : 8g62795a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59740,g8g2702,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 14:15:12 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(1) 1-bromo-2-nitrobenzene (I)

2.415min 5.000 PPB

response 319518449

(1) 1-bromo-2-nitrobenzene #2 (I)

2.778min 5.000 PPB

response 711576293

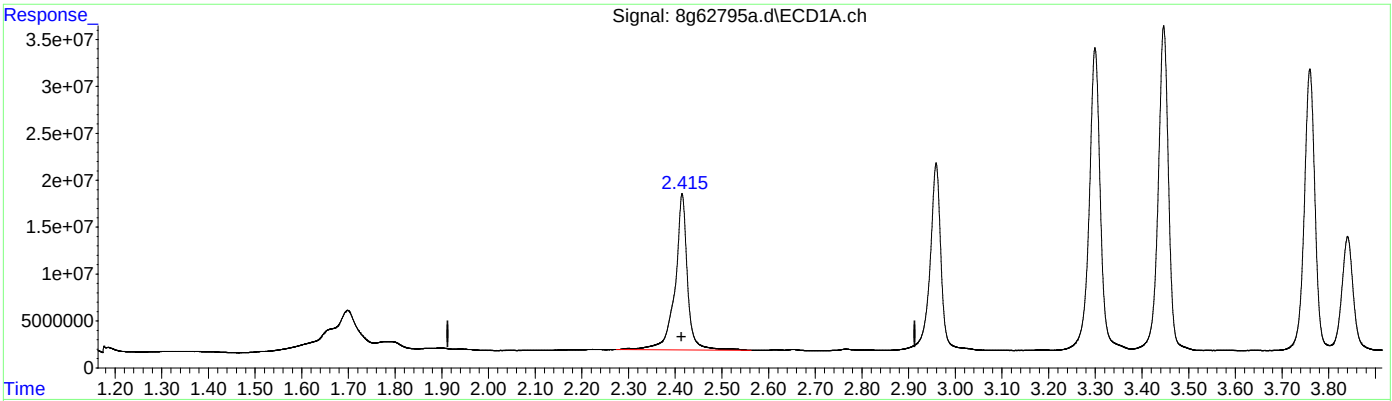
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Dec 04 14:29:30 2024

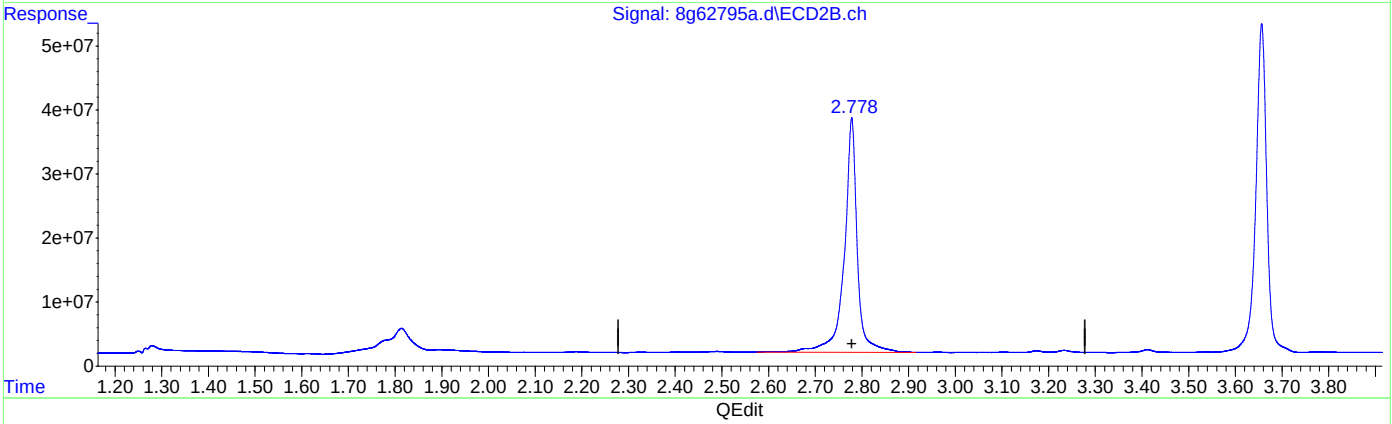
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\
Data File : 8g62795a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59740,g8g2702,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 14:15:12 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(1) 1-bromo-2-nitrobenzene (I)

2.415min 5.000 PPB m

response 309905499

(1) 1-bromo-2-nitrobenzene #2 (I)

2.778min 5.000 PPB m

response 711323291

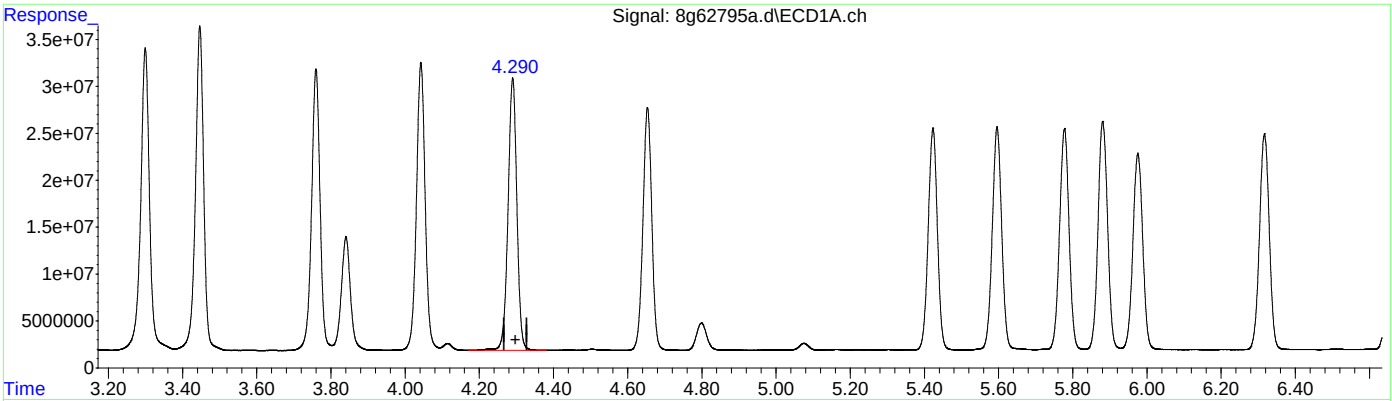
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Dec 04 14:30:06 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\
Data File : 8g62795a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59740,g8g2702,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 14:15:12 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(6) Heptachlor (MA)

4.290min 5.955 PPB

response 480063550

(6) Heptachlor #2 (MA)

5.533min 5.107 PPB

response 863779488

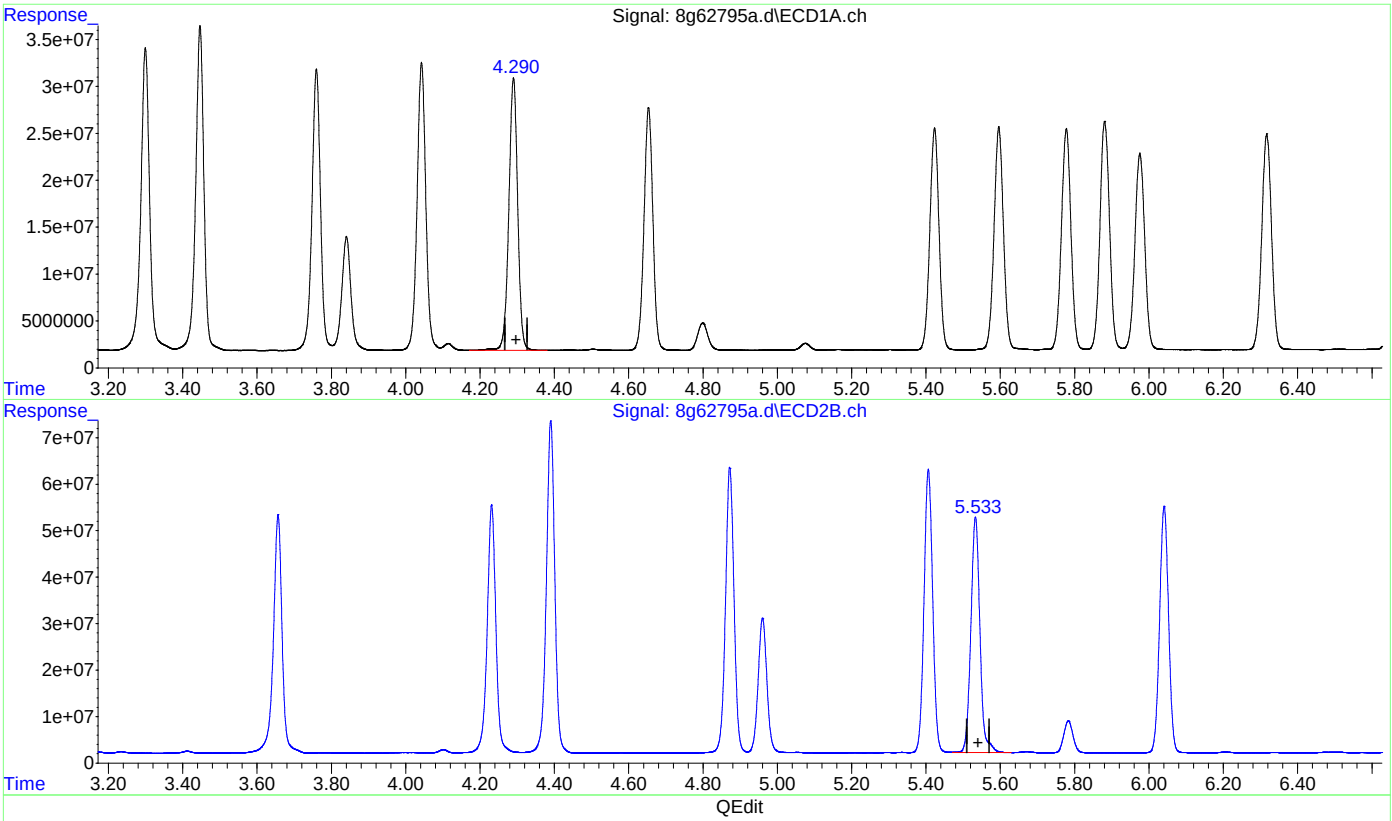
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Dec 04 14:30:43 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\
Data File : 8g62795a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59740,g8g2702,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 14:15:12 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(6) Heptachlor (MA)

4.290min 5.955 PPB

response 480063550

(6) Heptachlor #2 (MA)

5.533min 5.084 PPB m

response 859801274

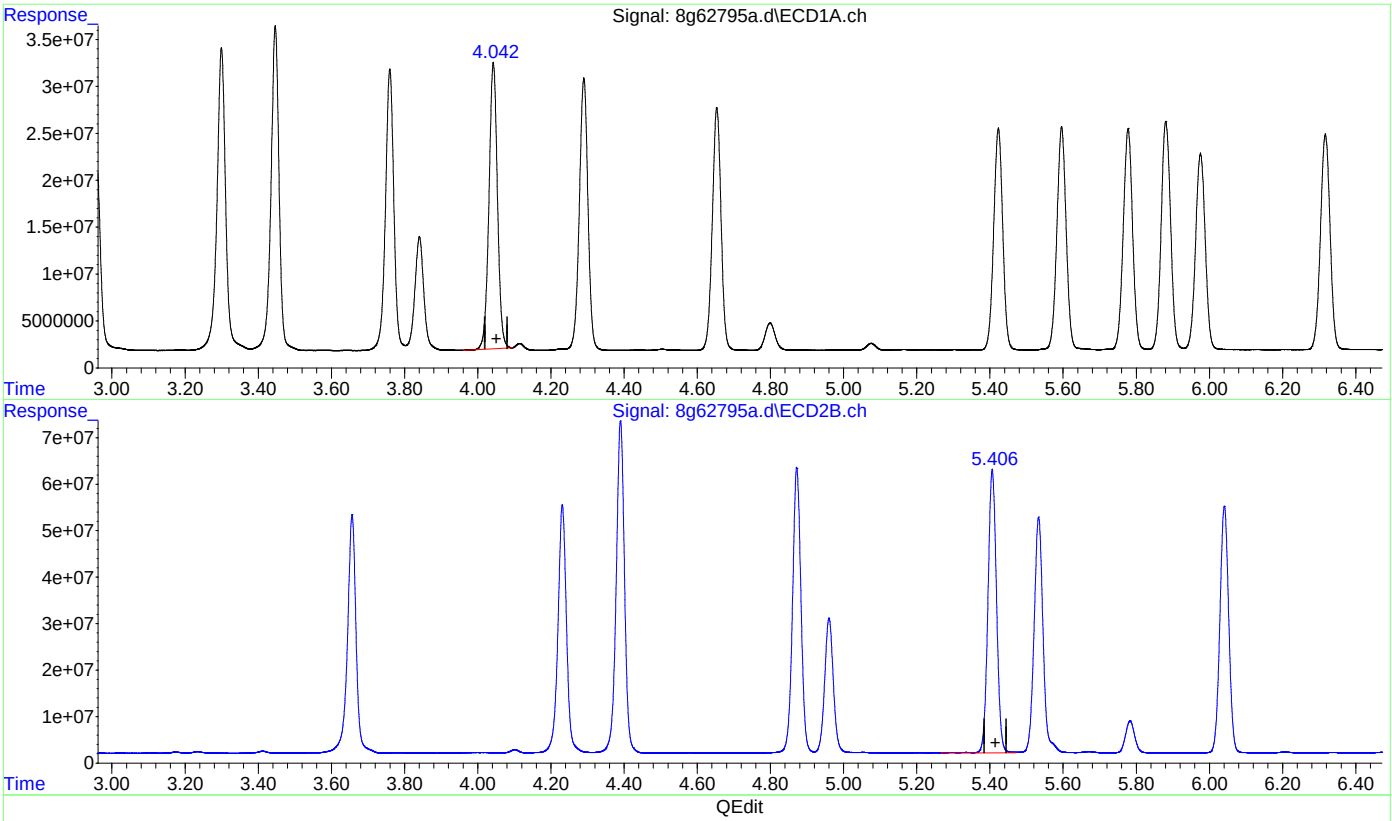
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Dec 04 14:31:10 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\
Data File : 8g62795a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59740,g8g2702,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 14:15:12 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(8) delta-BHC (B)

4.043min 6.261 PPB

response 491803862

(8) delta-BHC #2 (B)

5.407min 5.346 PPB

response 991862713

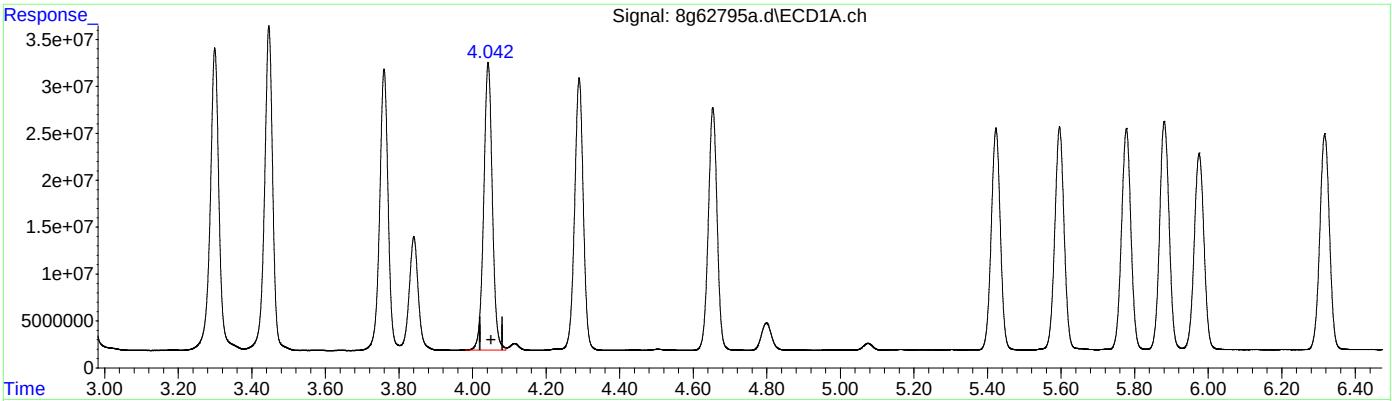
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Dec 04 14:31:16 2024

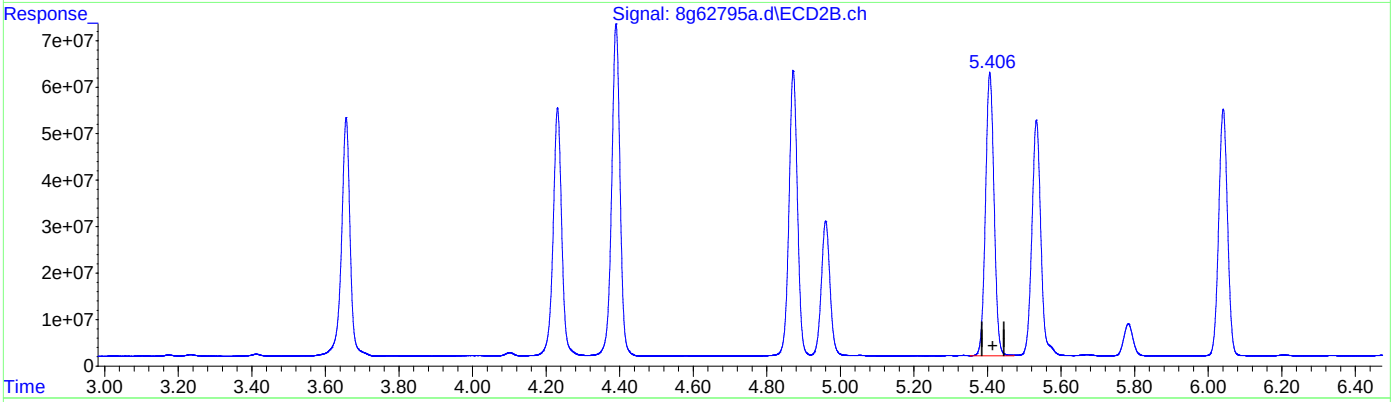
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\
Data File : 8g62795a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59740,g8g2702,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 14:15:12 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(8) delta-BHC (B)

4.042min 6.356 PPB m

response 499255838

(8) delta-BHC #2 (B)

5.406min 5.327 PPB m

response 988319796

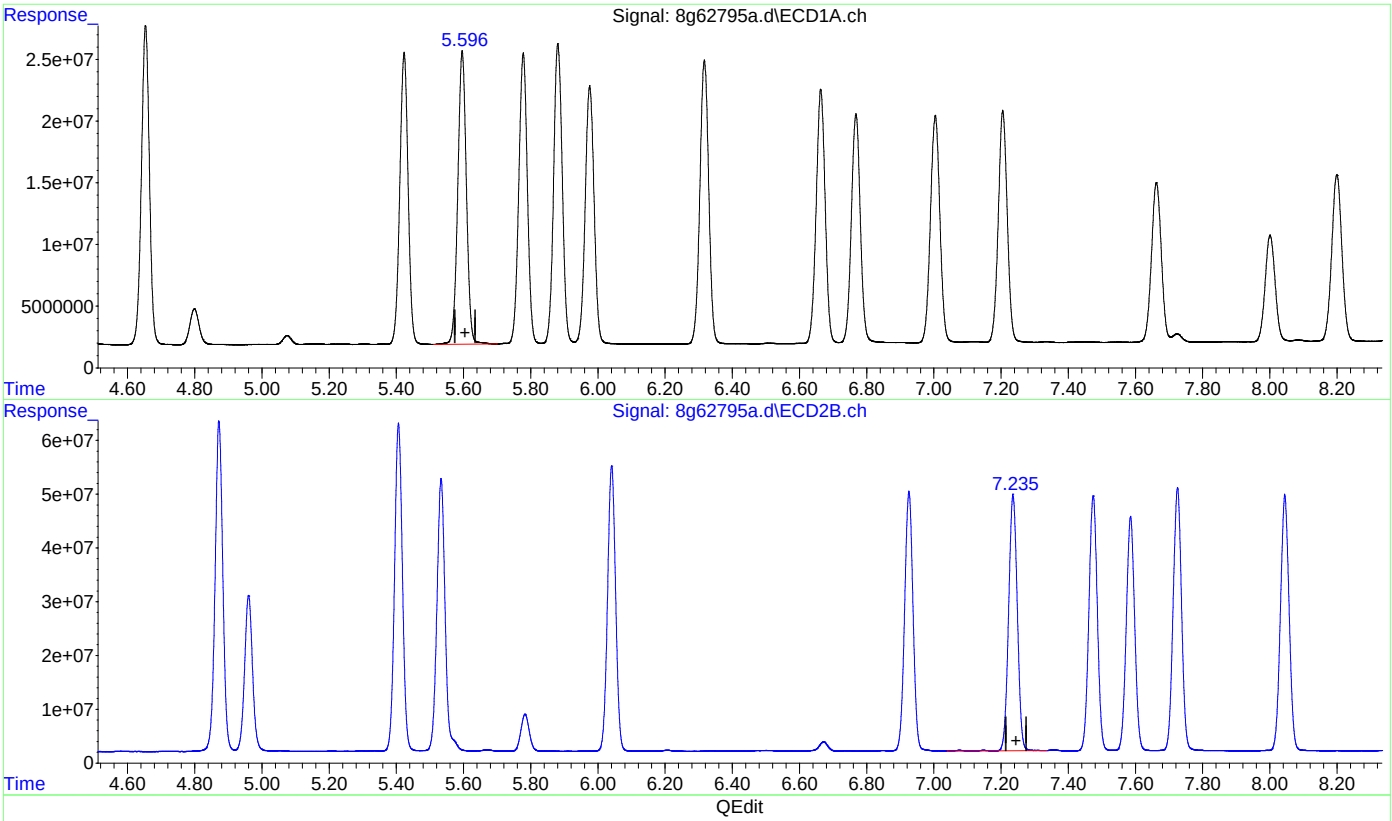
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Dec 04 14:31:56 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\
Data File : 8g62795a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59740,g8g2702,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 14:15:12 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(12) gamma-Chlordane (B)

5.596min 5.627 PPB

response 421582253

(12) gamma-Chlordane #2 (B)

7.236min 5.211 PPB

response 852242394

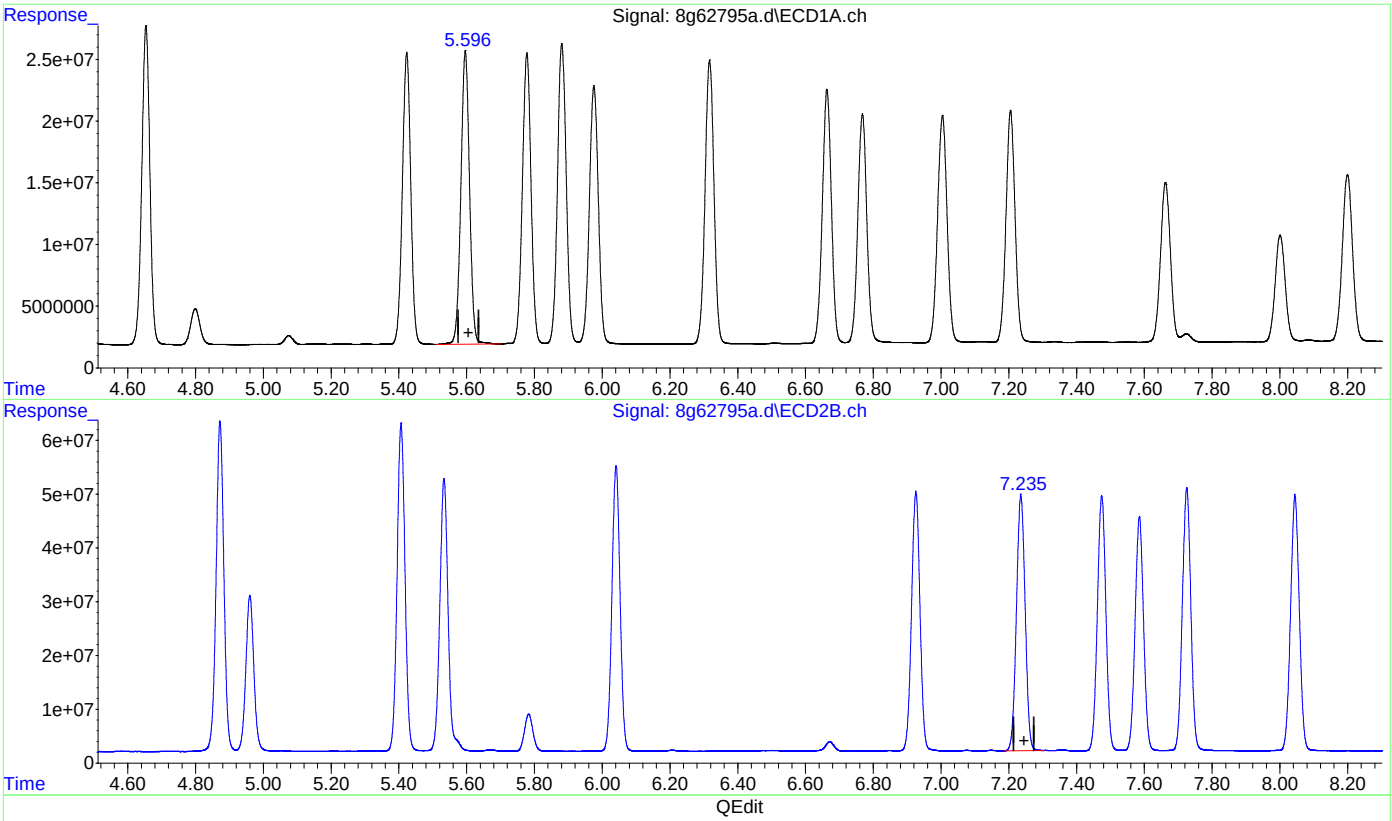
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Dec 04 14:32:05 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\
Data File : 8g62795a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59740,g8g2702,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 14:15:12 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(12) gamma-Chlordane (B)

5.596min 5.627 PPB

response 421582253

(12) gamma-Chlordane #2 (B)

7.235min 5.186 PPB m

response 848108084

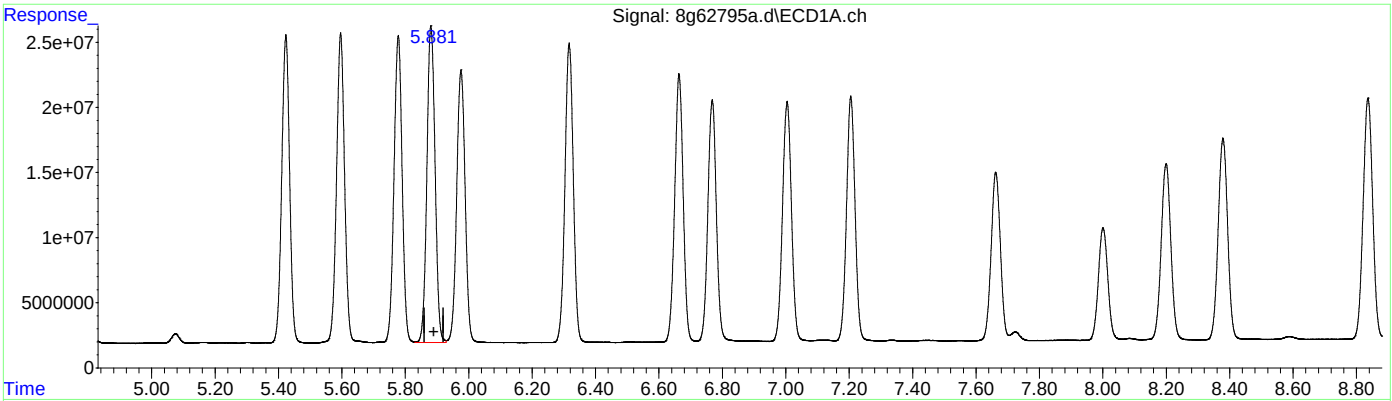
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Dec 04 14:32:31 2024

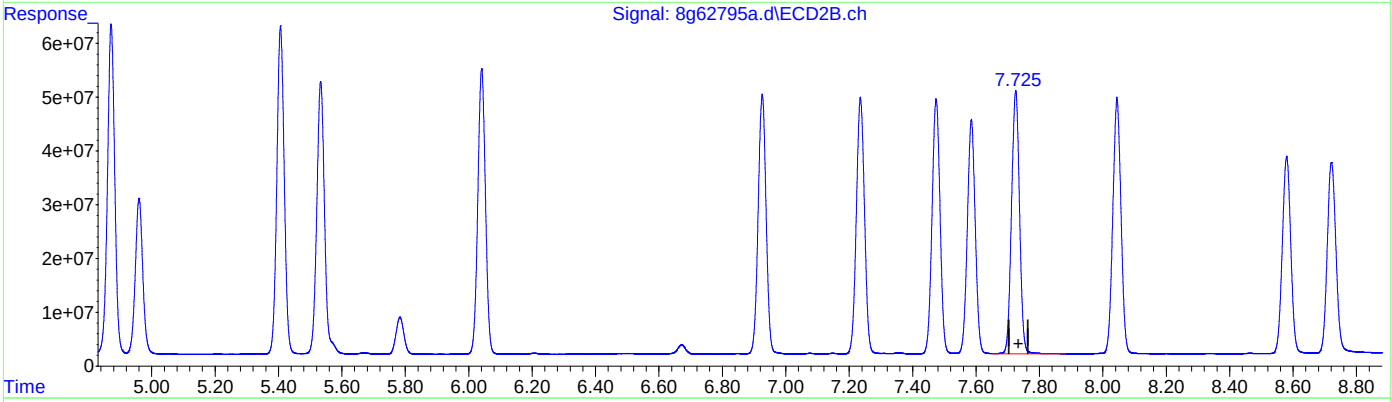
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\
Data File : 8g62795a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59740,g8g2702,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 14:15:12 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(15) 4,4'-DDE (B)

5.881min 6.112 PPB

response 436542223

(15) 4,4'-DDE #2 (B)

7.725min 5.436 PPB

response 856196272

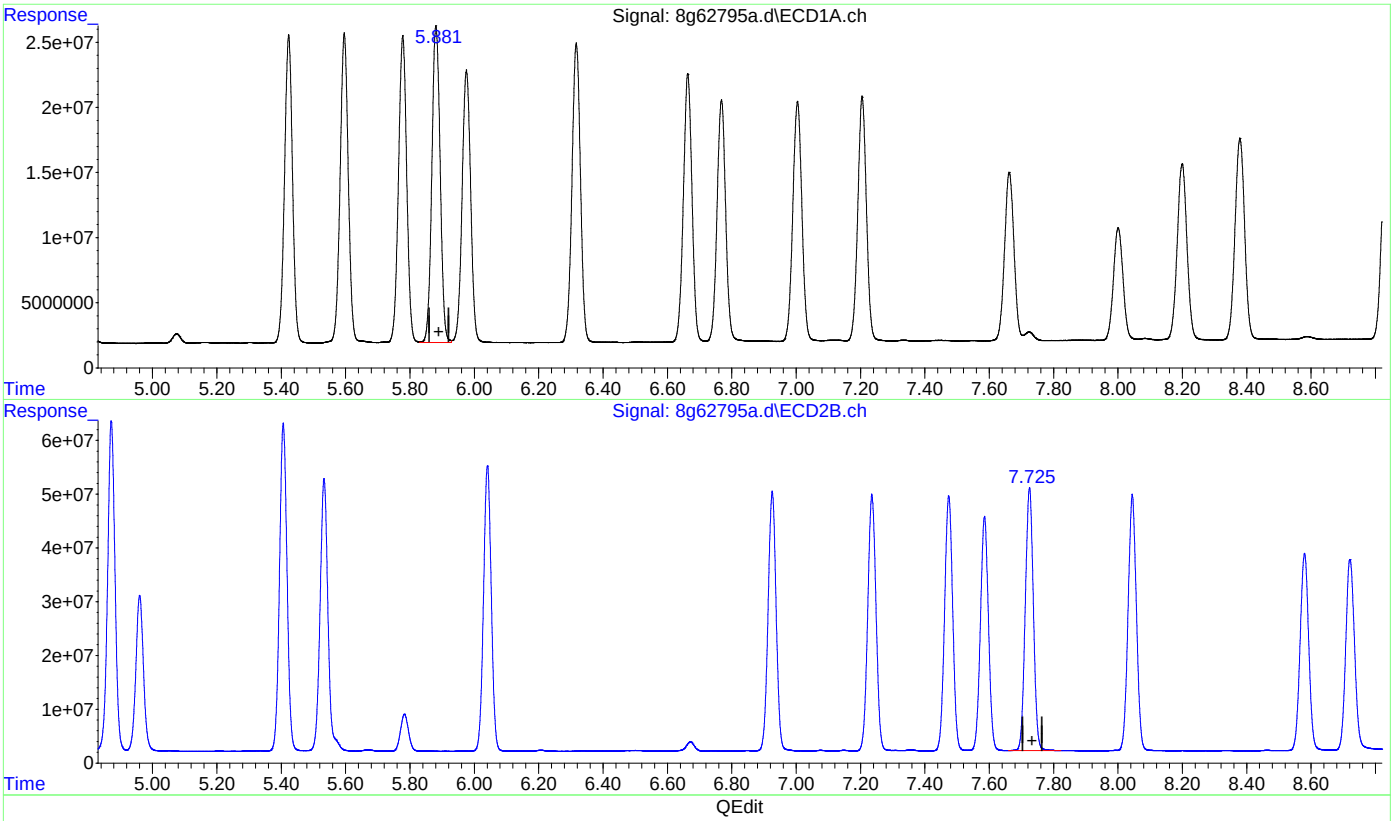
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Dec 04 14:32:38 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\
Data File : 8g62795a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59740,g8g2702,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 14:15:12 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(15) 4,4'-DDE (B)

5.881min 6.112 PPB

response 436542223

(15) 4,4'-DDE #2 (B)

7.725min 5.407 PPB m

response 851578213

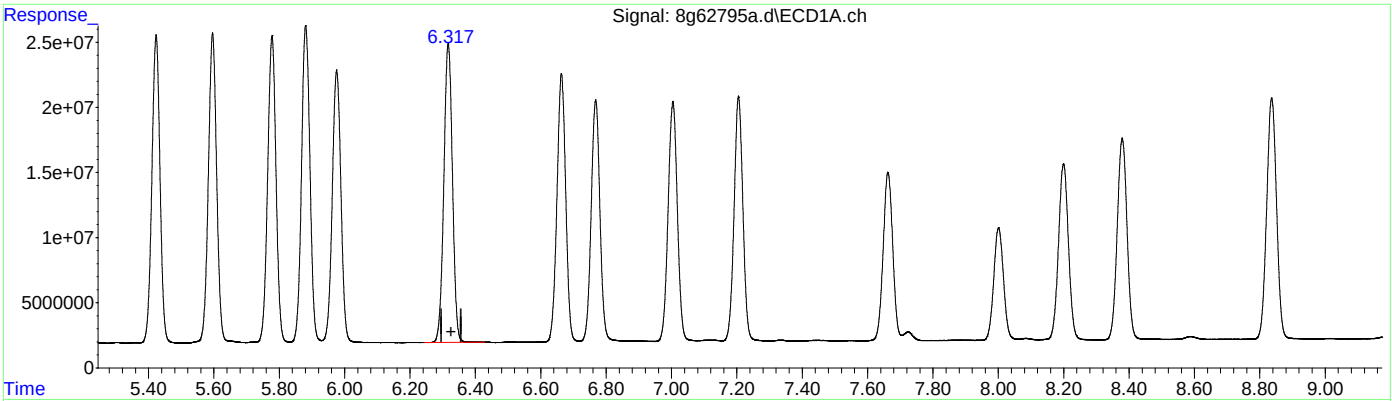
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Dec 04 14:32:51 2024

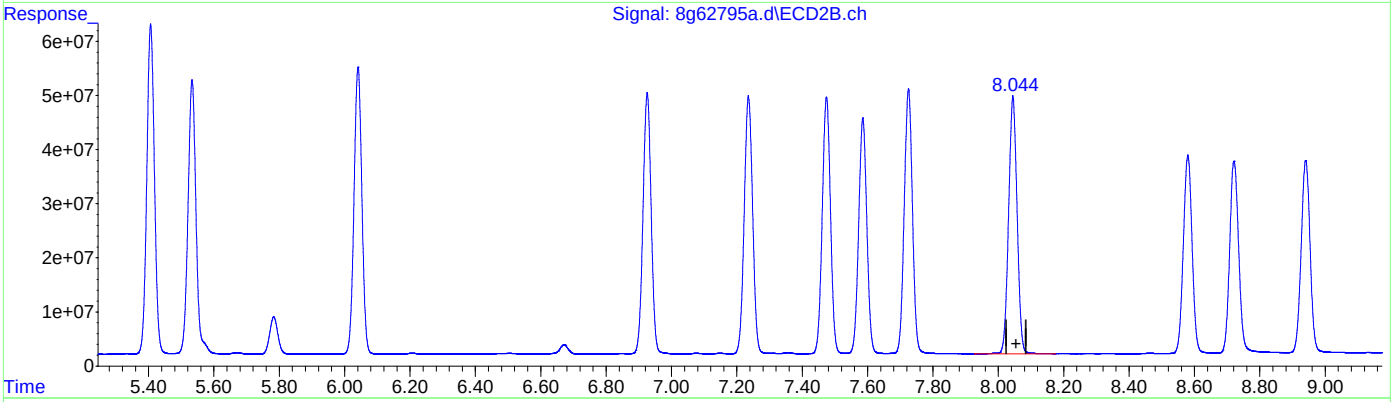
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\
Data File : 8g62795a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59740,g8g2702,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 14:15:12 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(16) Dieldrin (MA)

6.317min 5.926 PPB

response 420842946

(16) Dieldrin #2 (MA)

8.045min 5.080 PPB

response 855329116

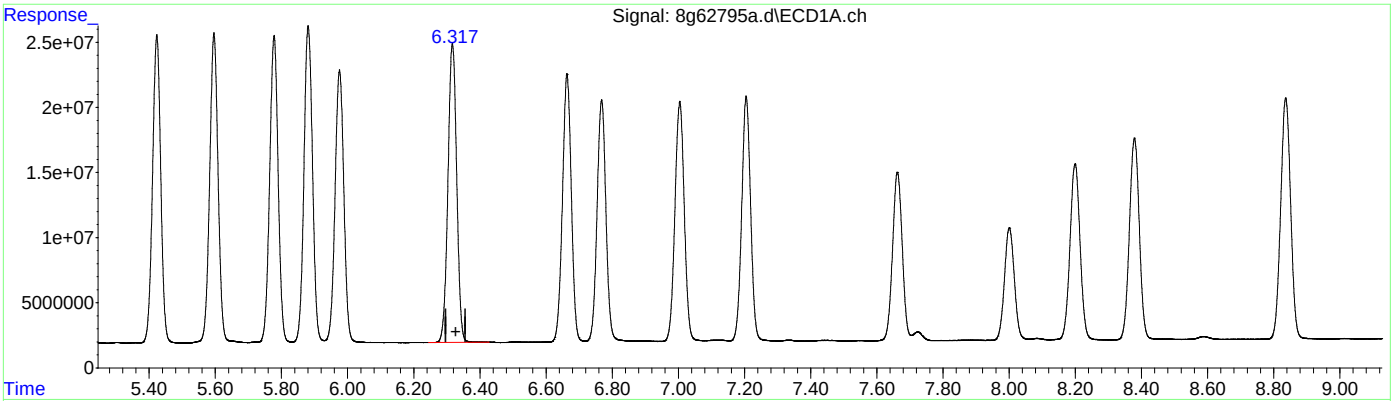
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Dec 04 14:33:10 2024

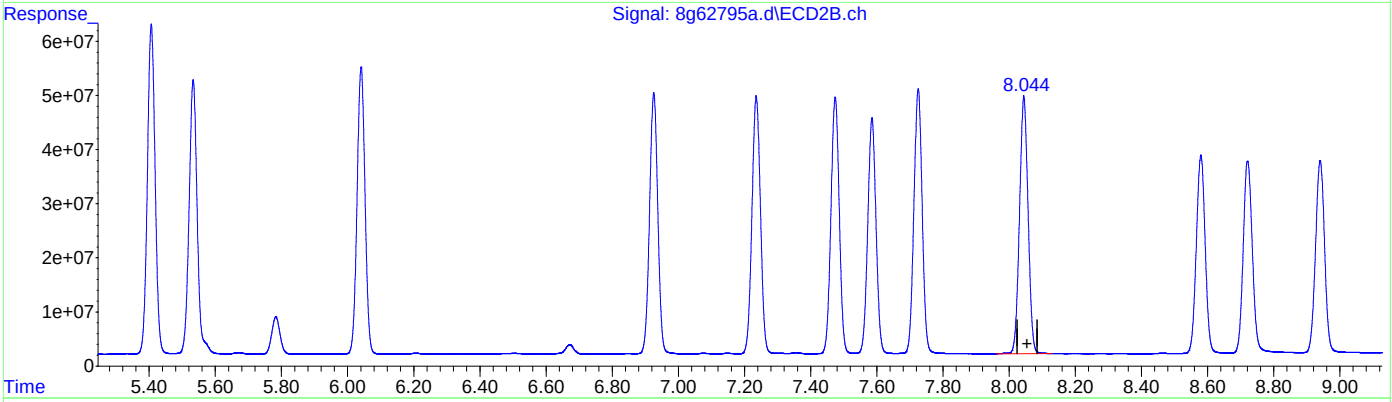
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\
Data File : 8g62795a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59740,g8g2702,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 14:15:12 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(16) Dieldrin (MA)

6.317min 5.926 PPB

response 420842946

(16) Dieldrin #2 (MA)

8.044min 5.066 PPB m

response 852955545

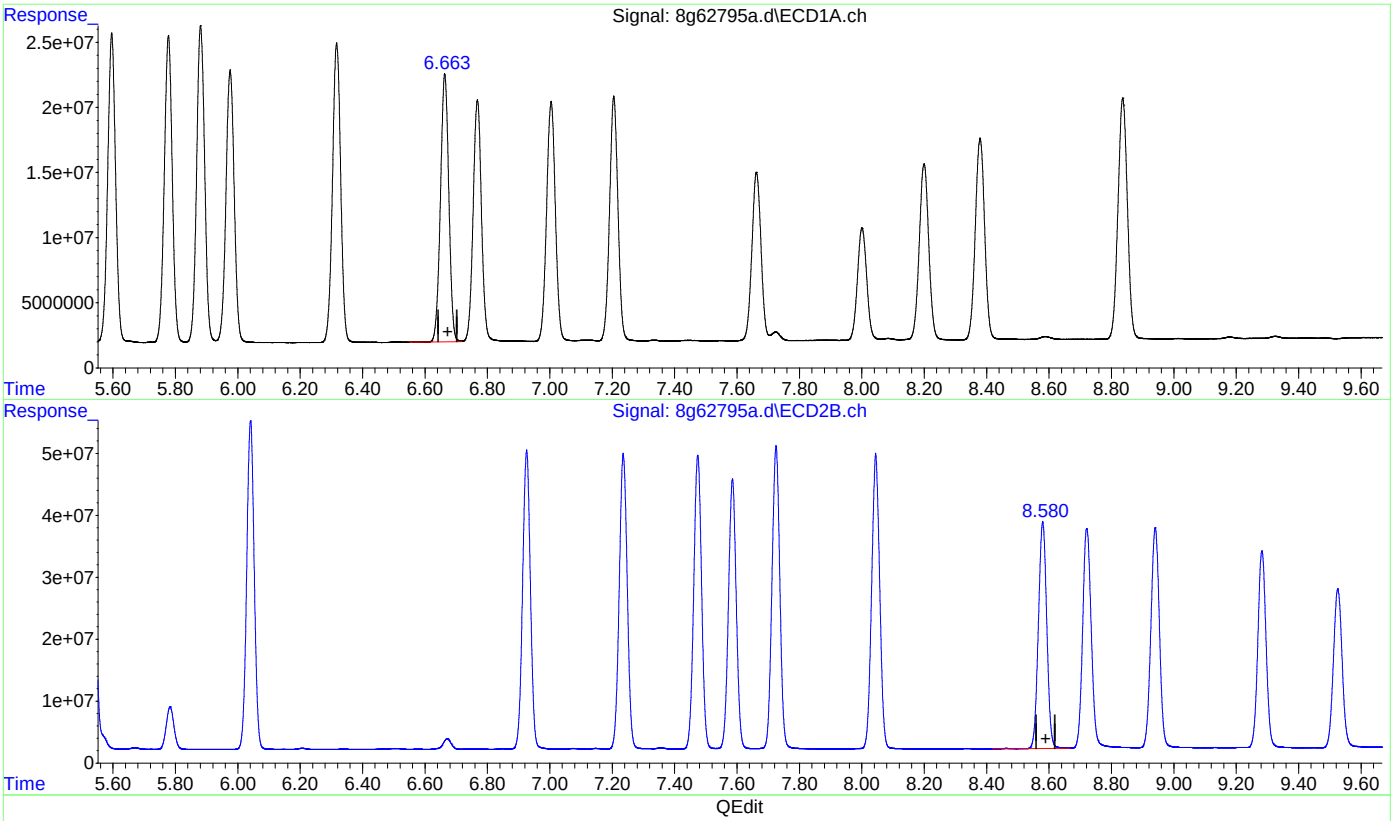
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Dec 04 14:33:37 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\
Data File : 8g62795a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59740,g8g2702,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 14:15:12 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(17) Endrin (MA)

6.664min 6.832 PPB

response 382496129

(17) Endrin #2 (MA)

8.580min 5.626 PPB

response 682528672

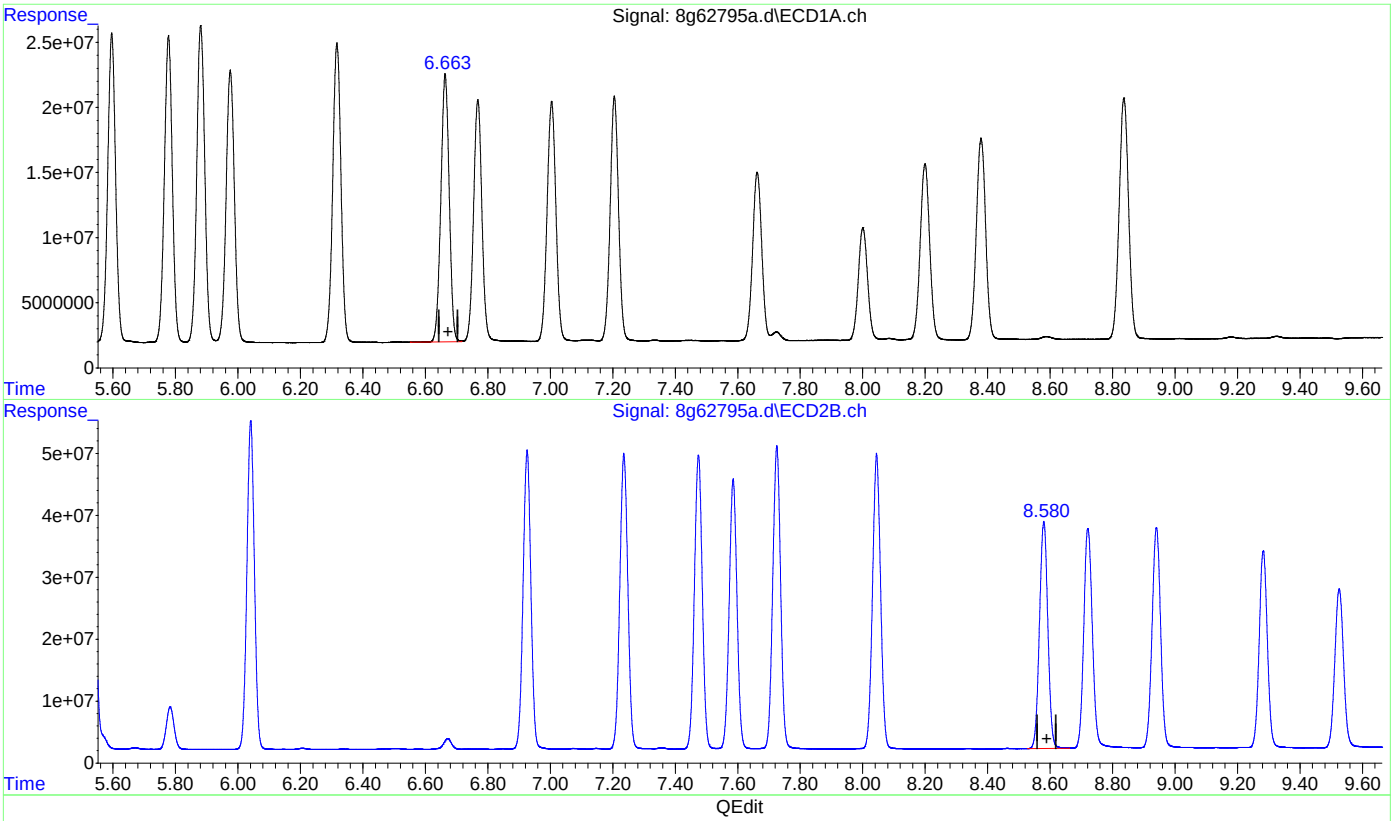
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Dec 04 14:33:42 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\
Data File : 8g62795a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59740,g8g2702,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 14:15:12 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(17) Endrin (MA)

6.664min 6.832 PPB

response 382496129

(17) Endrin #2 (MA)

8.580min 5.616 PPB m

response 681267840

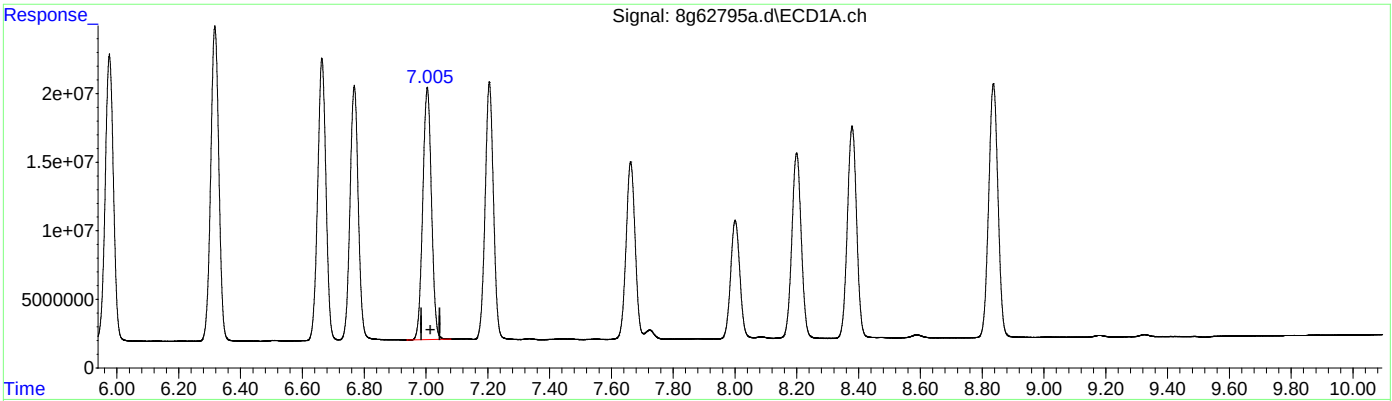
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Dec 04 14:33:55 2024

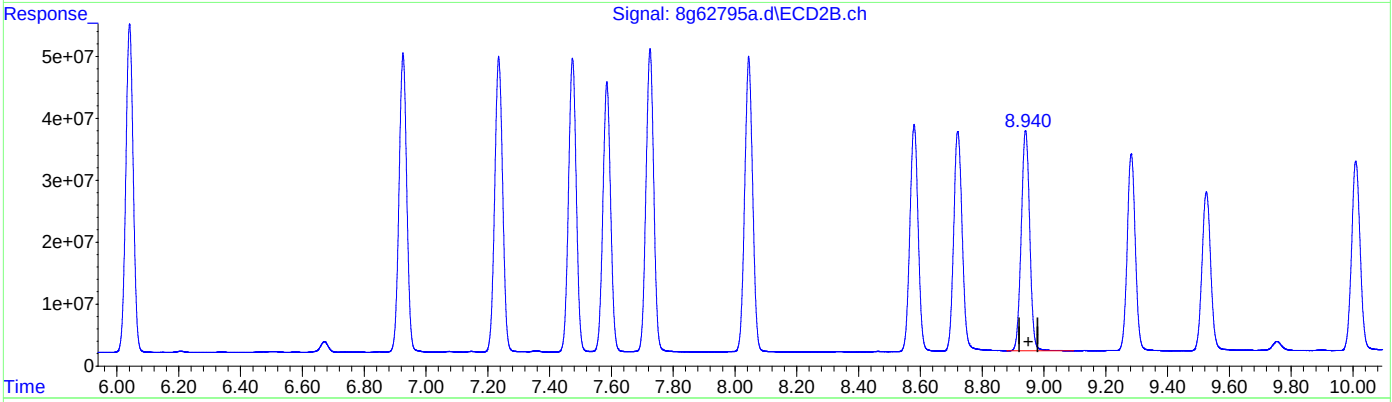
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\
Data File : 8g62795a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59740,g8g2702,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 14:15:12 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(19) Endosulfan II (B)

7.004min 5.772 PPB

response 360483171

(19) Endosulfan II #2 (B)

8.941min 4.808 PPB

response 676858791

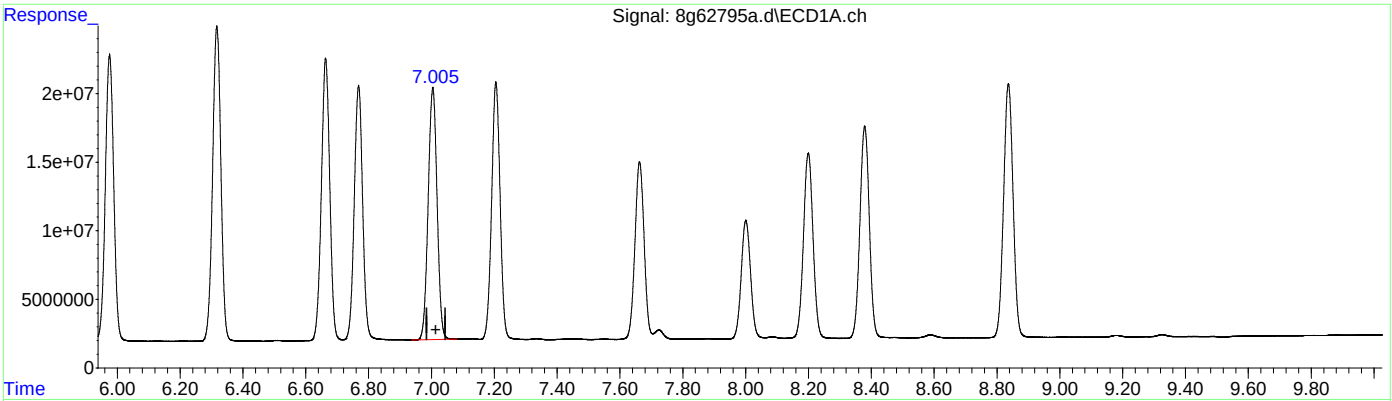
(+) = Expected Retention Time

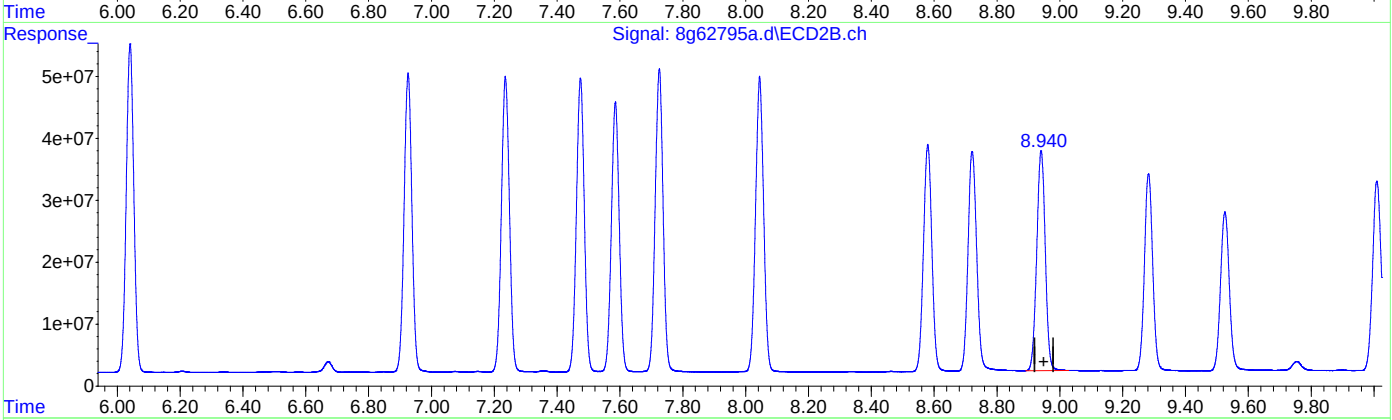
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\
Data File : 8g62795a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59740,g8g2702,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 14:15:12 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(19) Endosulfan II (B)

7.004min 5.772 PPB

response 360483171

(19) Endosulfan II #2 (B)

8.940min 4.789 PPB m

response 674065386

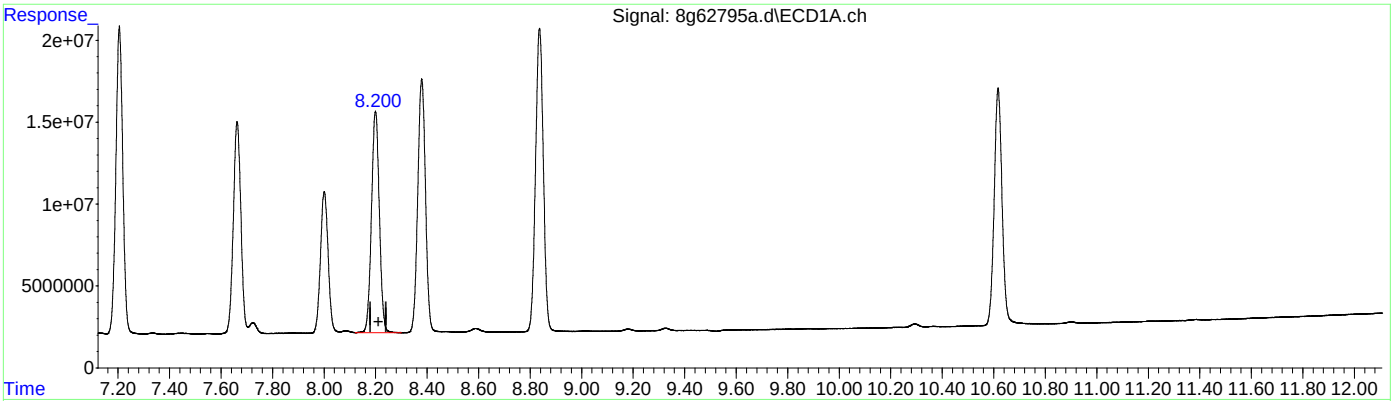
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Dec 04 14:34:21 2024

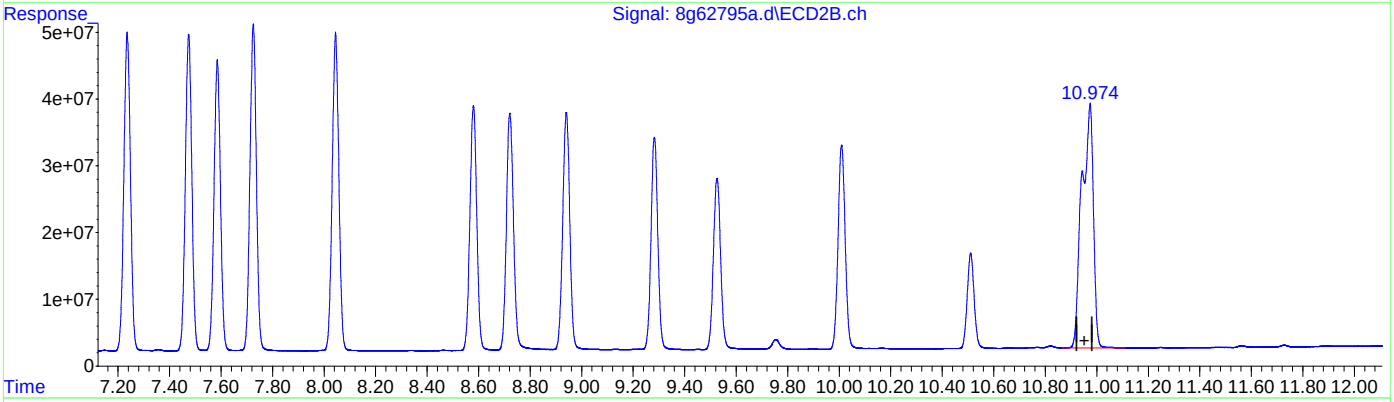
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\
Data File : 8g62795a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59740,g8g2702,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 14:15:12 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(24) Mirex

8.200min 5.396 PPB

response 287292979

(24) Mirex #2

10.973min 13.926 PPB

response 1135884996

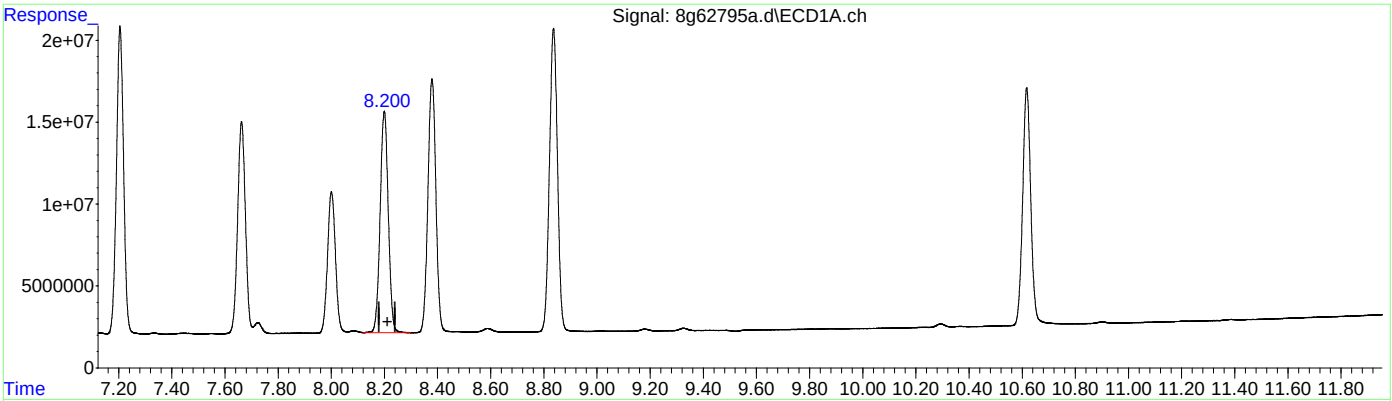
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Dec 04 14:34:33 2024

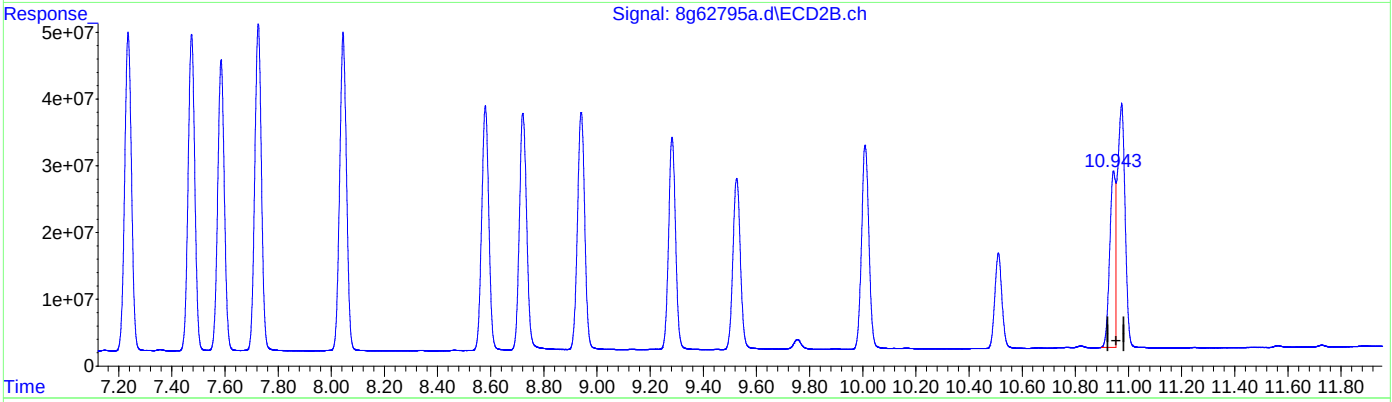
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\
Data File : 8g62795a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59740,g8g2702,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 14:15:12 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(24) Mirex

8.200min 5.396 PPB

response 287292979

(24) Mirex #2

10.943min 5.058 PPB m

response 412565586

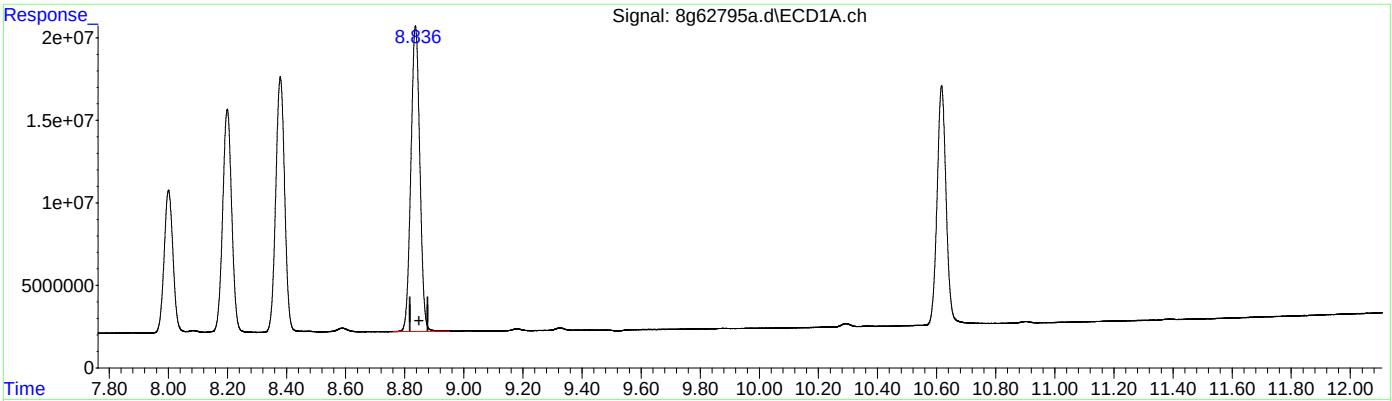
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Dec 04 14:34:59 2024

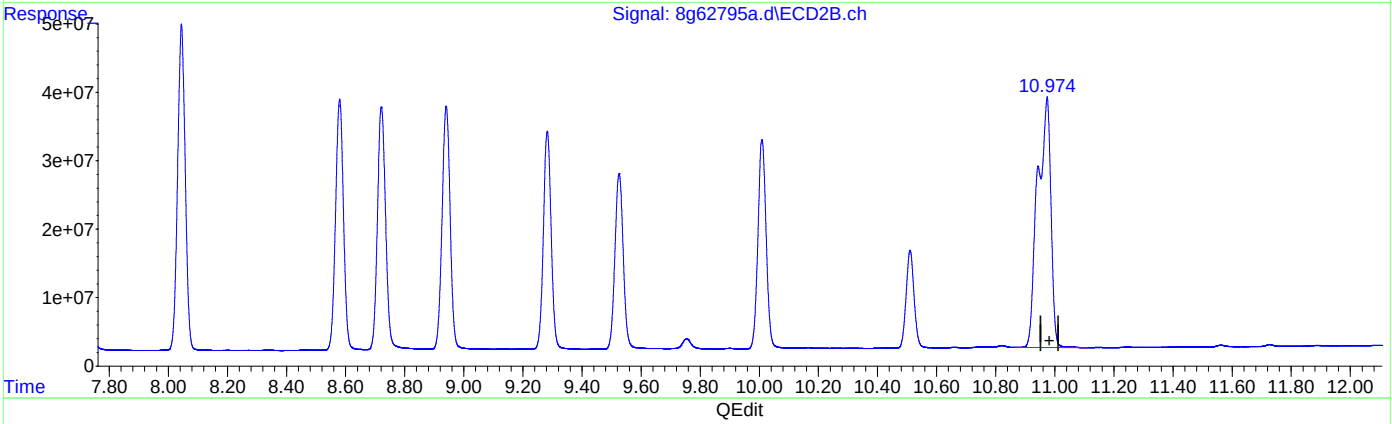
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\
Data File : 8g62795a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59740,g8g2702,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 14:15:12 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(25) Endrin Ketone (B)

8.837min 5.285 PPB

response 388696880

(25) Endrin Ketone #2 (B)

10.973min 6.536 PPB

response 1135884996

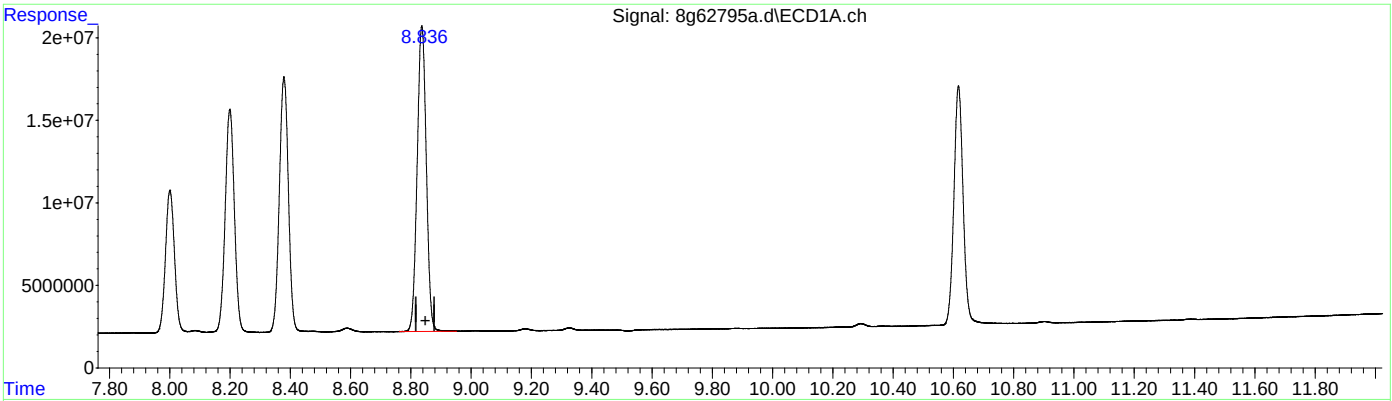
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Dec 04 14:35:04 2024

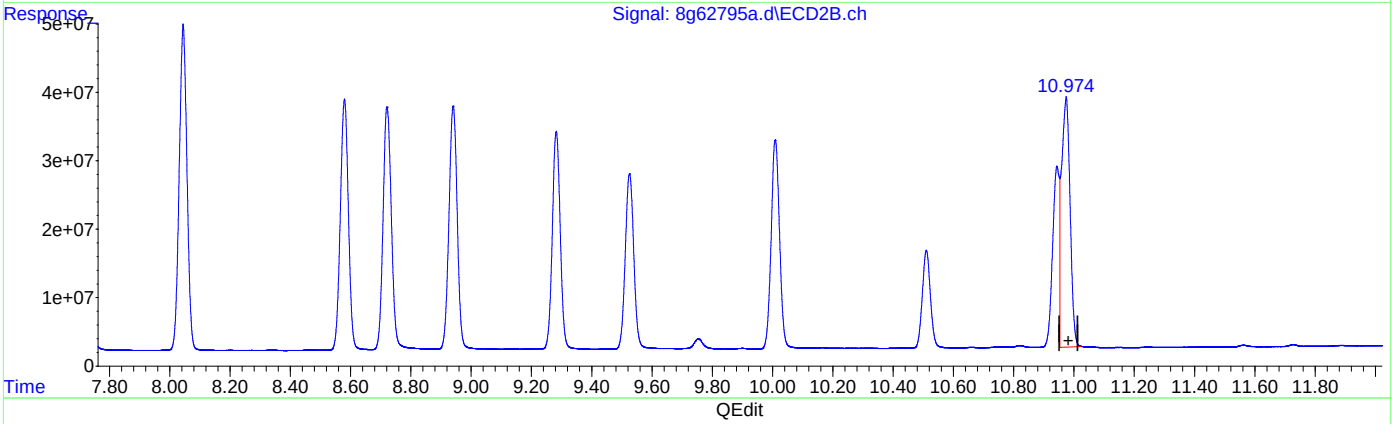
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\
Data File : 8g62795a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59740,g8g2702,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 14:15:12 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(25) Endrin Ketone (B)

8.837min 5.285 PPB

response 388696880

(25) Endrin Ketone #2 (B)

10.974min 4.093 PPB m

response 711348429

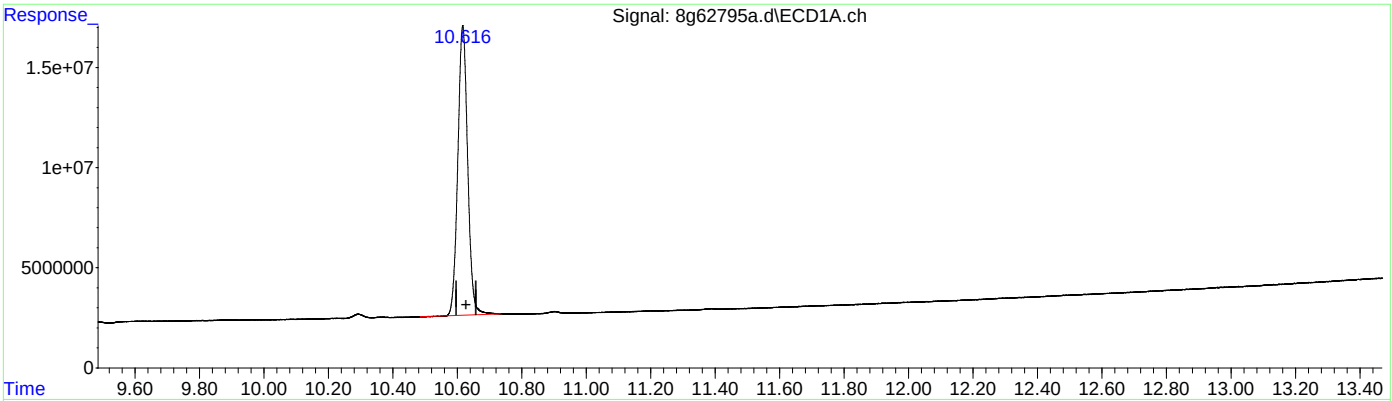
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Dec 04 14:35:33 2024

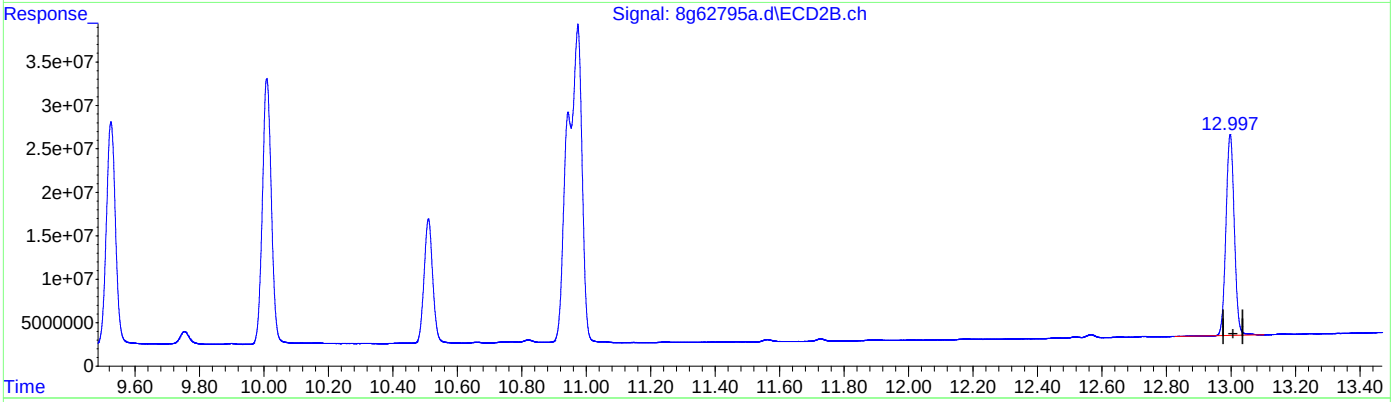
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\
Data File : 8g62795a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59740,g8g2702,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 14:15:12 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(26) Decachlorobiphenyl (SA)

10.617min 5.312 PPB

response 305555227

(26) Decachlorobiphenyl #2 (SA)

12.998min 4.204 PPB

response 414417012

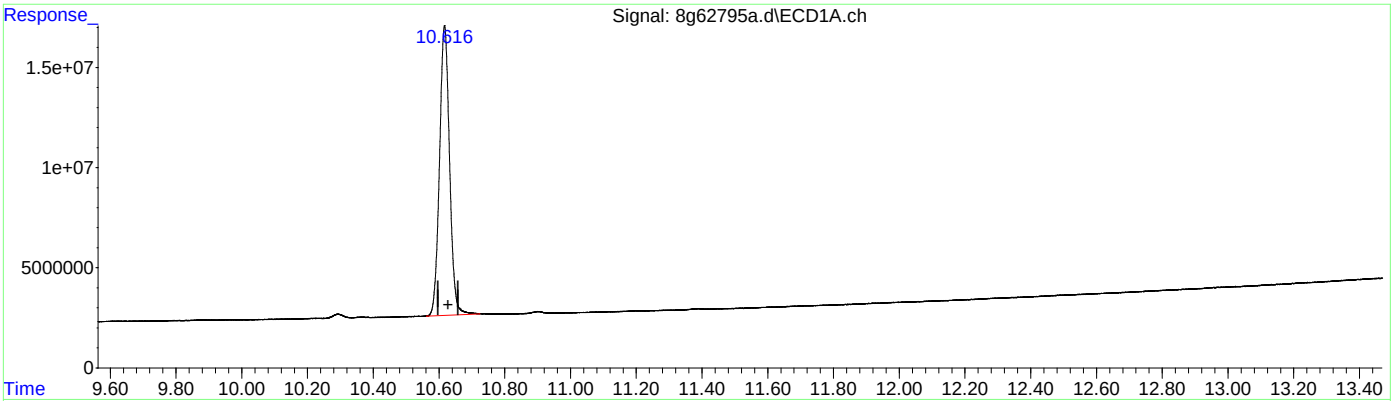
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Dec 04 14:35:44 2024

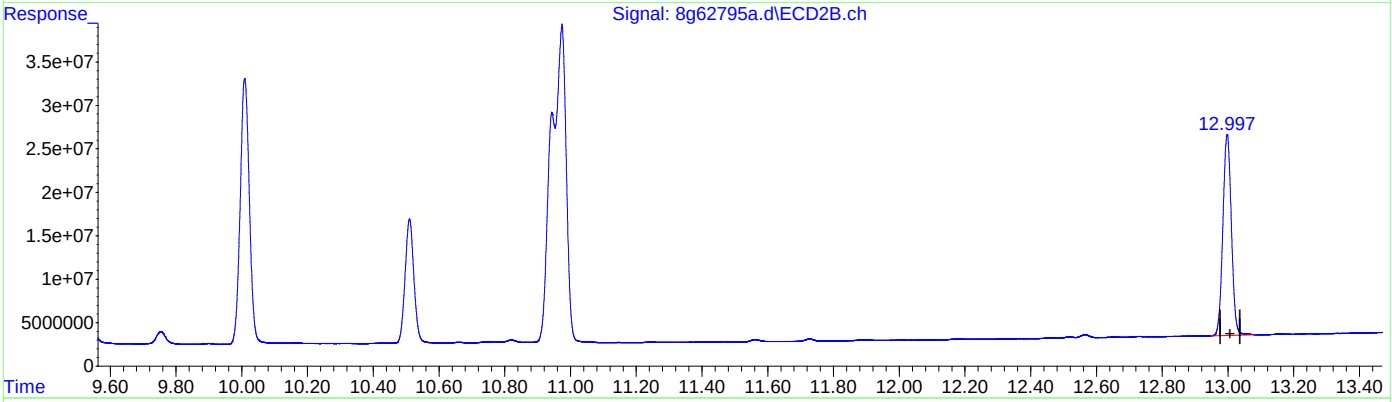
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\
Data File : 8g62795a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59740,g8g2702,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 14:15:12 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(26) Decachlorobiphenyl (SA)

10.616min 5.342 PPB m

response 307262130

(26) Decachlorobiphenyl #2 (SA)

12.997min 4.213 PPB m

response 415317387

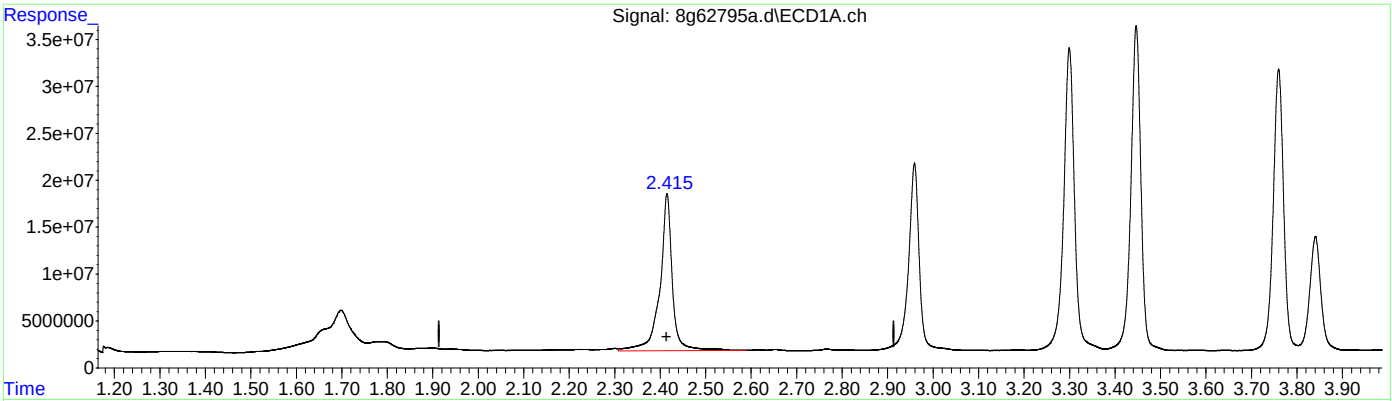
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Dec 04 14:36:07 2024

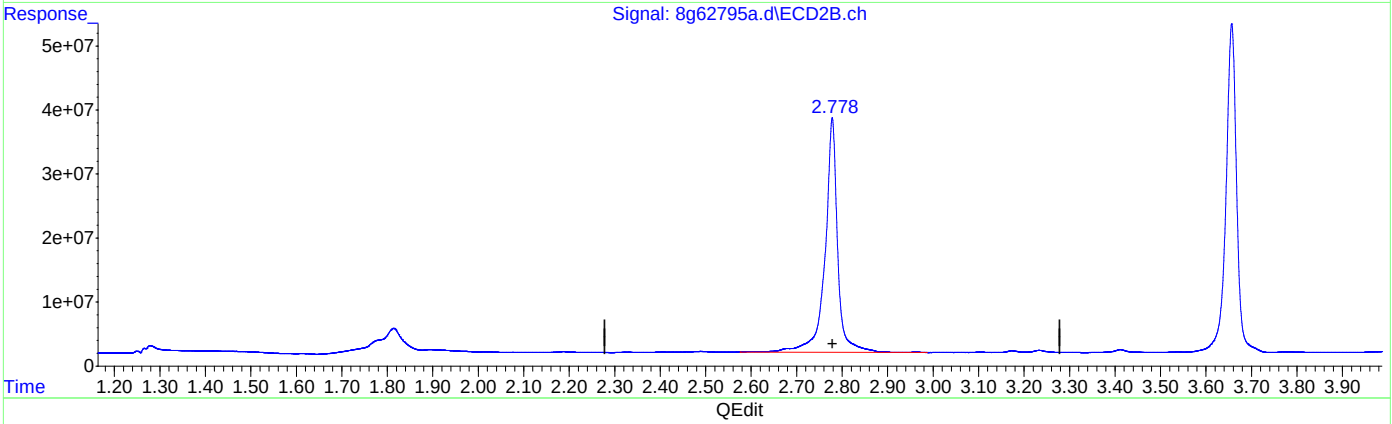
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\
Data File : 8g62795a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59740,g8g2702,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 14:15:12 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(27) 1-bromo-2-nitrobenzeneA (I)

2.415min 5.000 PPB

response 319518449

(27) 1-bromo-2-nitrobenzeneA #2 (I)

2.778min 5.000 PPB

response 711576293

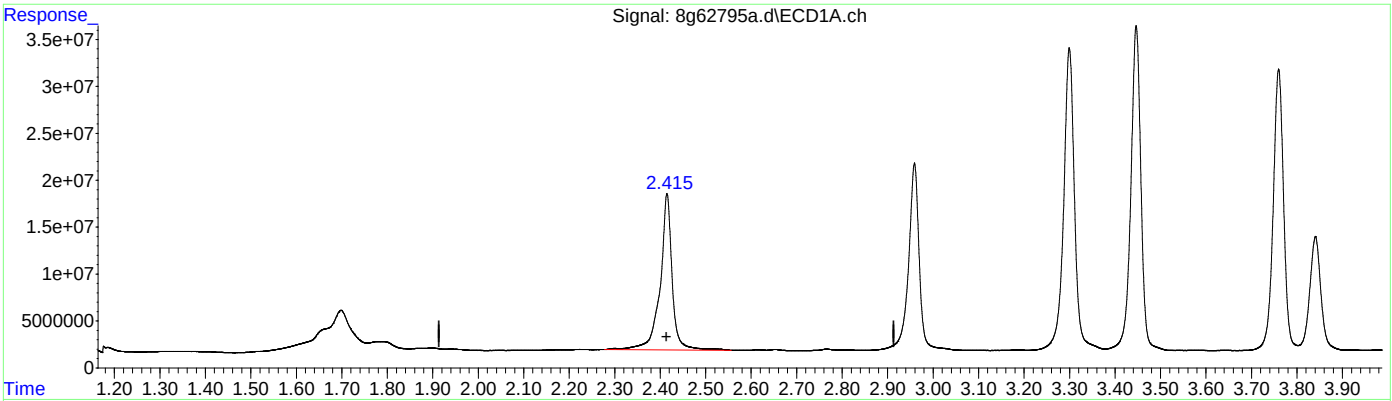
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Dec 04 14:36:12 2024

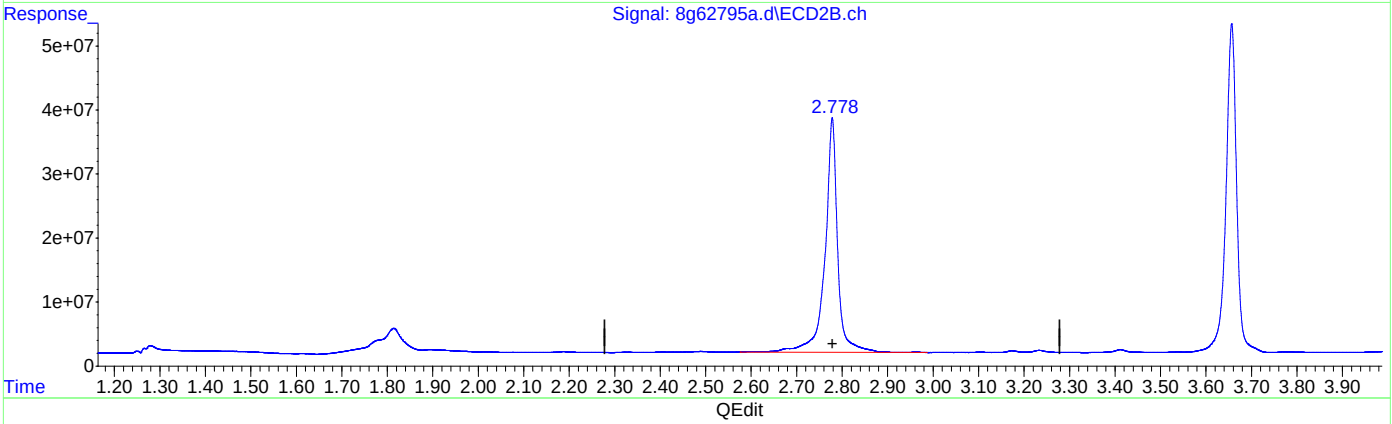
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\
Data File : 8g62795a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59740,g8g2702,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 14:15:12 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(27) 1-bromo-2-nitrobenzeneA (I)

2.415min 5.000 PPB m

response 309236336

(27) 1-bromo-2-nitrobenzeneA #2 (I)

2.778min 5.000 PPB

response 711576293

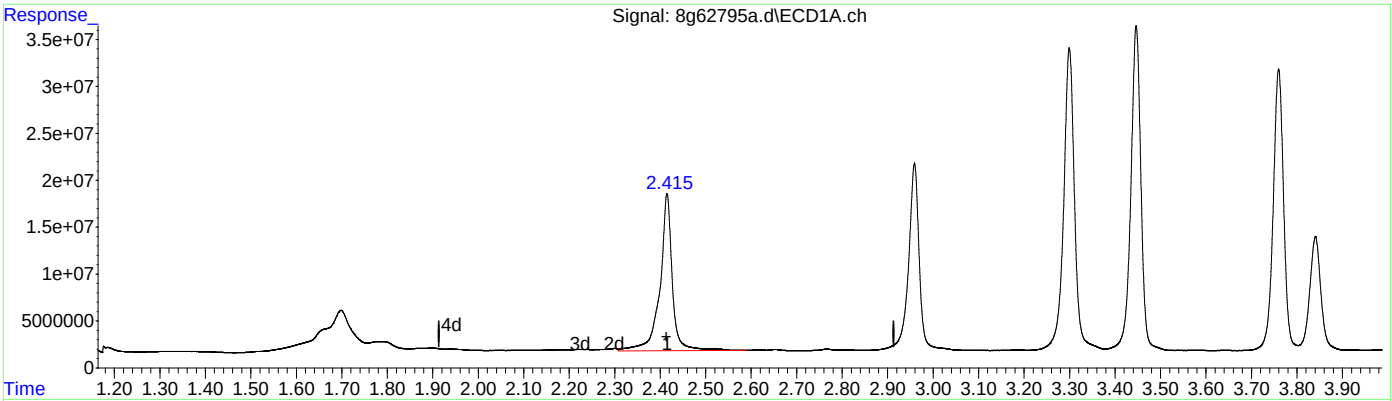
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Dec 04 14:36:27 2024

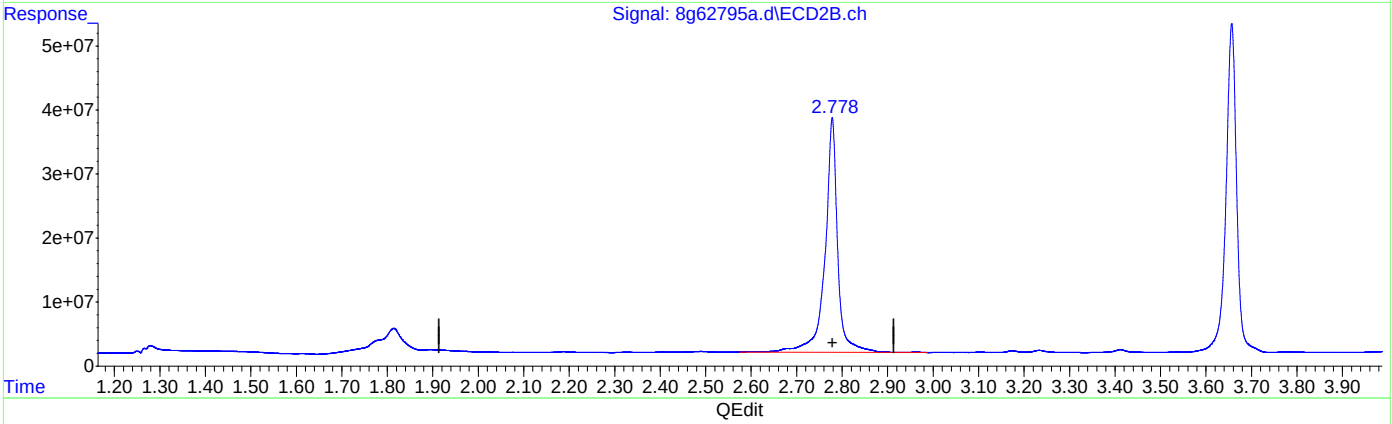
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\
Data File : 8g62795a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59740,g8g2702,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 14:15:12 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(33) 1-bromo-2-nitrobenzeneB (I)

2.415min 5.000 PPB

response 319518449

(33) 1-bromo-2-nitrobenzeneB #2 (I)

2.778min 5.000 PPB

response 711576293

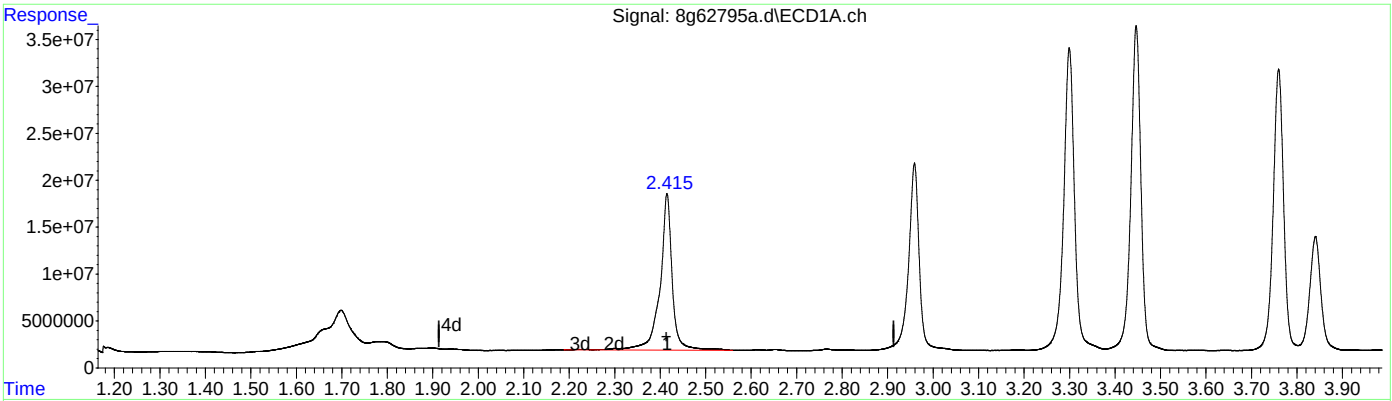
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Dec 04 14:36:38 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\
Data File : 8g62795a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59740,g8g2702,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 14:15:12 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(33) 1-bromo-2-nitrobenzeneB (I)

2.415min 5.000 PPB m

response 313737189

(33) 1-bromo-2-nitrobenzeneB #2 (I)

2.778min 5.000 PPB

response 711576293

(+) = Expected Retention Time
8PSTLVI2596a.M Wed Dec 04 14:37:00 2024

Manual Integrations APPROVED
(compounds with "m" flag)
Gwendolyn Burns
12/05/24 15:03

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62845a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 3:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:27:19 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1) I	1-bromo-2...	2.417	2.779	314.1E6	758.7E6	5.000	5.000
27) I	1-bromo-2...	2.417	2.779	314.1E6	758.7E6	5.000	5.000
33) I	1-bromo-2...	2.417	2.779	314.1E6	758.7E6	5.000	5.000
	System Monitoring Compounds						
2) SAB	Tetrachlo...	2.959	3.655	316.7E6	866.6E6	5.225	4.662
	Spiked Amount 40.000	Range 30 - 150		Recovery =		13.06%#	11.65%#
26) SA	Decachlor...	10.615	12.996	269.1E6	365.3E6	4.615	3.474
	Spiked Amount 40.000			Recovery =		11.54%	8.69%
	Target Compounds						
3)	hexachlor...	3.300	4.230	516.6E6	891.9E6	5.411	4.508
4) A	alpha-BHC	3.446	4.388	515.5E6	1156.8E6	5.359	5.009
5) MA	gamma-BHC	3.759	4.870	465.4E6	1003.8E6	5.867	4.915
6) MA	Heptachlor	4.288	5.530	465.7E6	850.4E6	5.699	4.714
7) B	beta-BHC	3.839	4.958	201.2E6	481.6E6	5.372	4.621
8) B	delta-BHC	4.041	5.404	474.7E6	998.9E6	5.962	5.048
9) MB	Aldrin	4.652	6.038	415.8E6	897.7E6	5.757	4.805
10)	alachlor	4.797	5.780	54773750	120.5E6	5.064	4.324
11) B	Heptachlo...	5.421	6.923	392.2E6	842.2E6	5.504	4.773
12) B	gamma-Chl...	5.594	7.233	406.6E6	851.7E6	5.353	4.883
13) B	alpha-Chl...	5.776	7.471	403.4E6	832.2E6	5.703	4.802
14) A	Endosulfan I	5.973	7.582	370.6E6	764.0E6	5.608	4.811
15) B	4,4'-DDE	5.879	7.722	418.5E6	861.2E6	5.780	5.126
16) MA	Dieldrin	6.314	8.041	402.9E6	852.0E6	5.597	4.744
17) MA	Endrin	6.660	8.576	365.5E6	674.3E6	6.441	5.211m
18) A	4,4'-DDD	6.766	8.718	331.0E6	681.0E6	5.459	4.610
19) B	Endosulfa...	7.002	8.936	339.6E6	657.9E6	5.364	4.382
20) MA	4,4'-DDT	7.204	9.280	334.6E6	557.7E6	5.467	4.564
21) B	Endrin Al...	7.661	9.522	252.3E6	482.3E6	4.848m	4.090
22) B	Endosulfa...	8.376	10.007	299.5E6	547.6E6	5.086	4.035
23) A	Methoxychlor	7.998	10.509	170.5E6	249.5E6	4.793m	4.110
24)	Mirex	8.197	10.942	271.1E6	361.5E6	5.023	4.155m
25) B	Endrin Ke...	8.834	10.971	364.2E6	635.1E6	4.885	3.427m#

SemiQuant Compounds - Not Calibrated on this Instrument

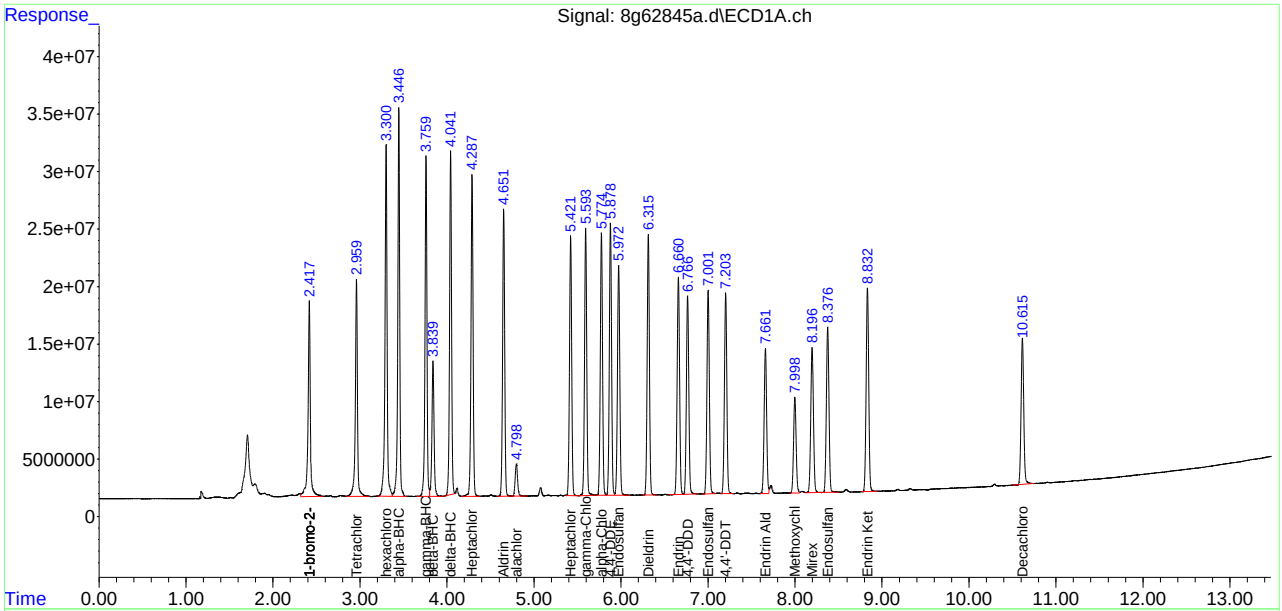
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

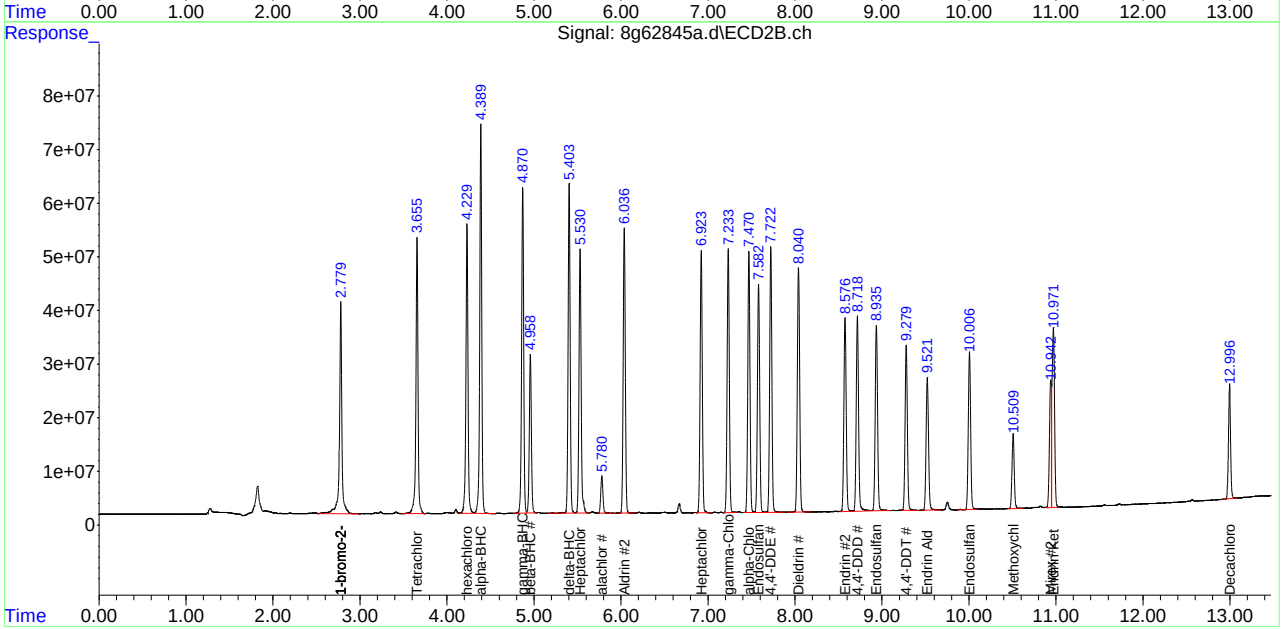
Quantitation Report (QT Reviewed)

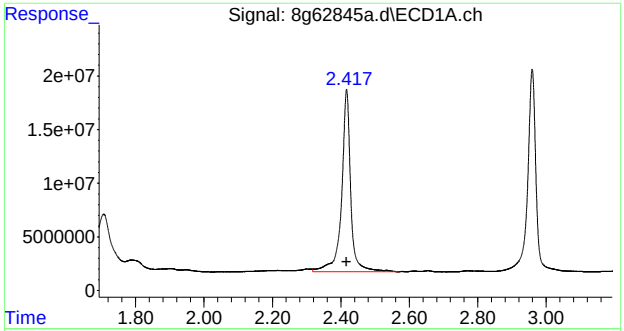
Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62845a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 3:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:27:19 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

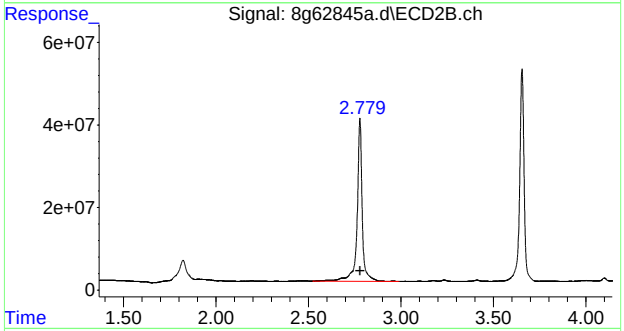






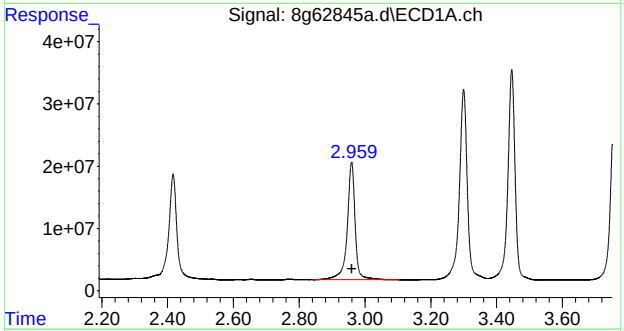
#1 1-bromo-2-nitrobenzene

R.T.: 2.417 min
Delta R.T.: 0.000 min
Response: 314141229
Conc: 5.00 PPB



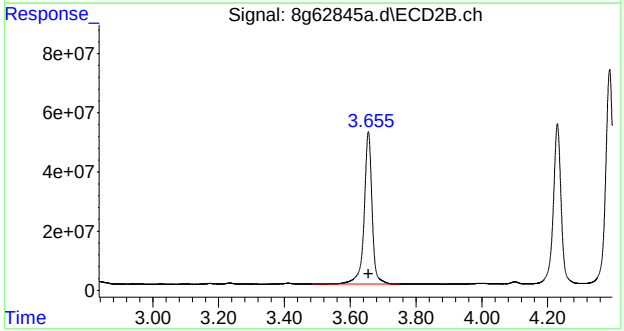
#1 1-bromo-2-nitrobenzene

R.T.: 2.779 min
Delta R.T.: 0.000 min
Response: 758724573
Conc: 5.00 PPB



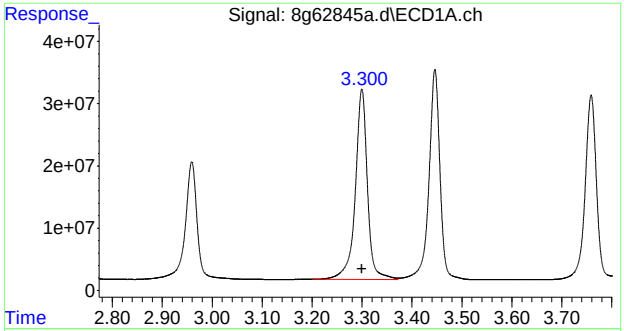
#2 Tetrachloro-m-xylene

R.T.: 2.959 min
Delta R.T.: 0.000 min
Response: 316671191
Conc: 5.22 PPB



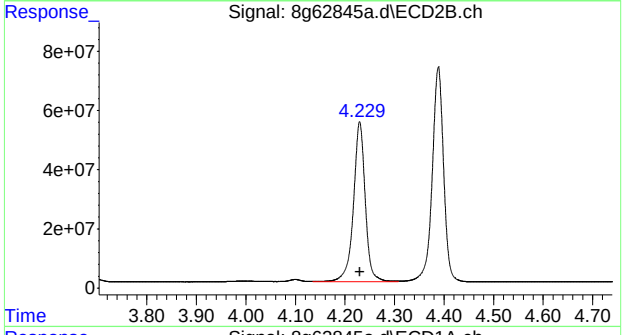
#2 Tetrachloro-m-xylene

R.T.: 3.655 min
Delta R.T.: 0.000 min
Response: 866606482
Conc: 4.66 PPB



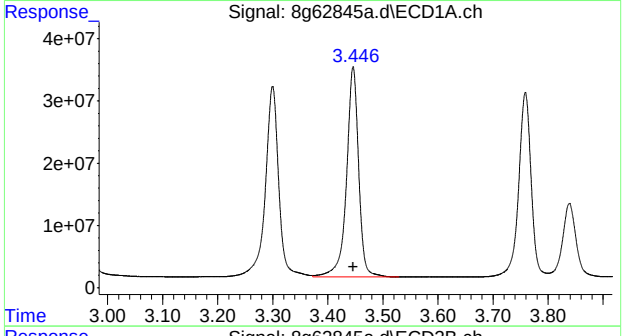
#3 hexachlorobenzene

R.T.: 3.300 min
Delta R.T.: 0.000 min
Response: 516567745
Conc: 5.41 PPB



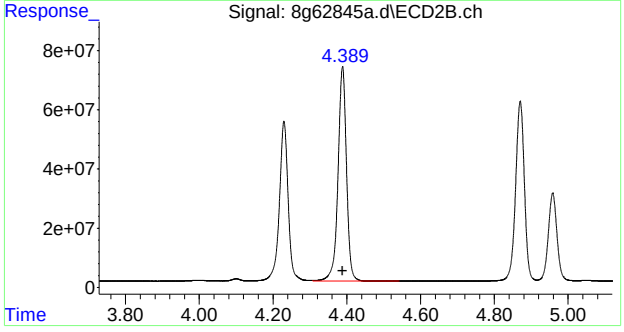
#3 hexachlorobenzene

R.T.: 4.230 min
Delta R.T.: 0.000 min
Response: 891852388
Conc: 4.51 PPB



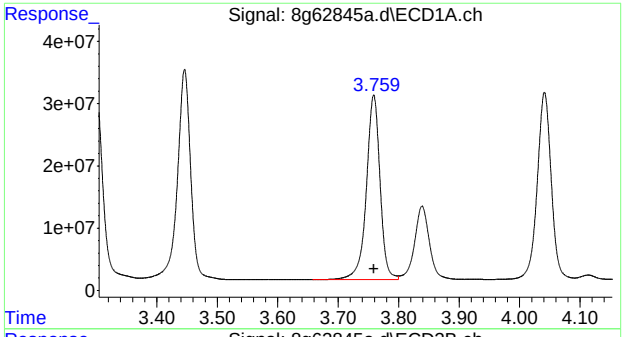
#4 alpha-BHC

R.T.: 3.446 min
Delta R.T.: 0.000 min
Response: 515548676
Conc: 5.36 PPB



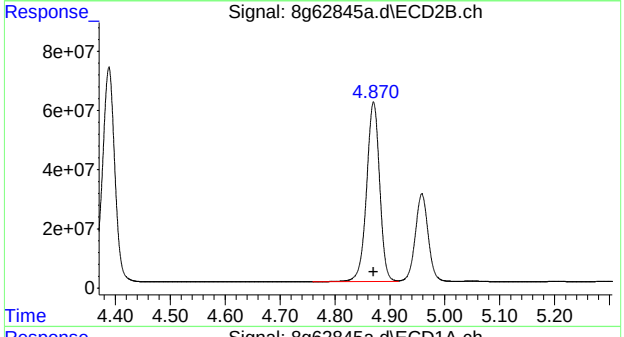
#4 alpha-BHC

R.T.: 4.388 min
Delta R.T.: 0.000 min
Response: 1156775969
Conc: 5.01 PPB



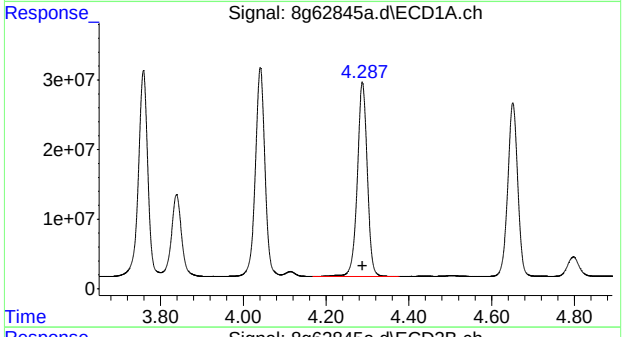
#5 gamma-BHC

R.T.: 3.759 min
Delta R.T.: 0.000 min
Response: 465372035
Conc: 5.87 PPB



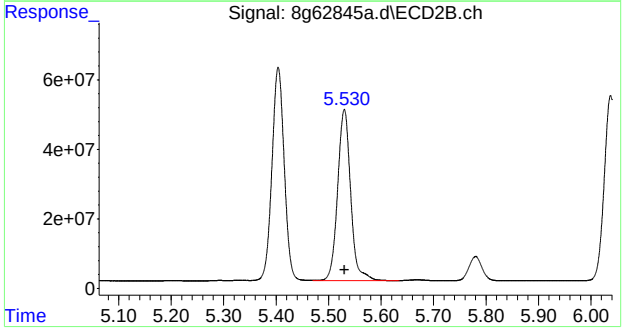
#5 gamma-BHC

R.T.: 4.870 min
Delta R.T.: 0.000 min
Response: 1003755307
Conc: 4.91 PPB



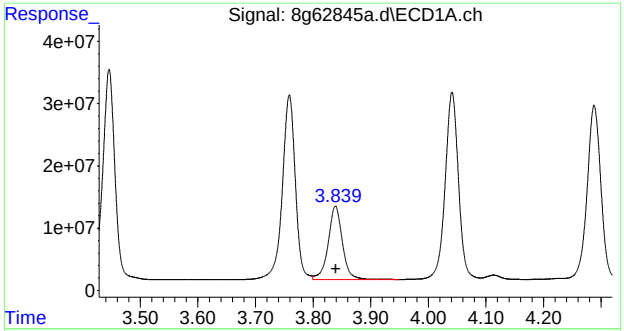
#6 Heptachlor

R.T.: 4.288 min
Delta R.T.: 0.000 min
Response: 465695294
Conc: 5.70 PPB



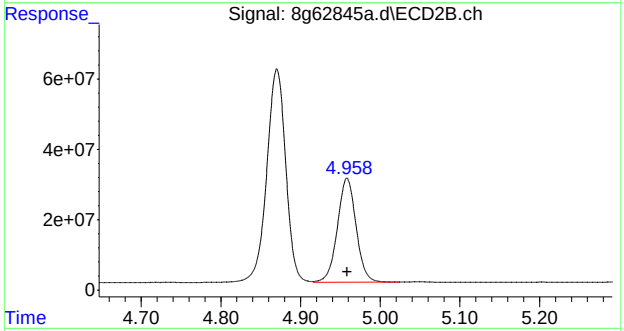
#6 Heptachlor

R.T.: 5.530 min
Delta R.T.: 0.000 min
Response: 850421075
Conc: 4.71 PPB



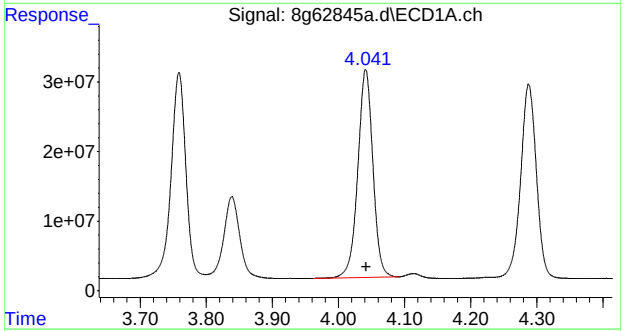
#7 beta-BHC

R.T.: 3.839 min
Delta R.T.: 0.000 min
Response: 201208849
Conc: 5.37 PPB



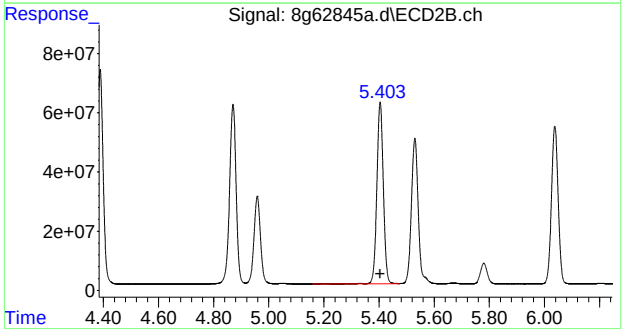
#7 beta-BHC

R.T.: 4.958 min
Delta R.T.: 0.000 min
Response: 481608020
Conc: 4.62 PPB



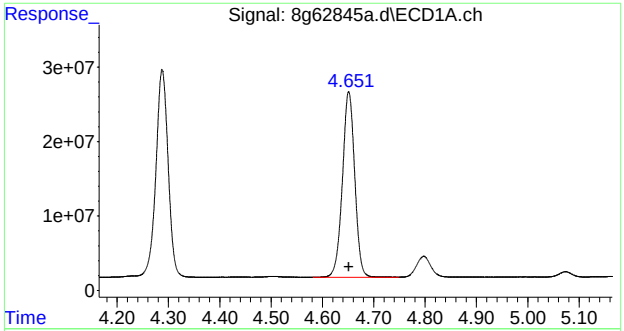
#8 delta-BHC

R.T.: 4.041 min
Delta R.T.: 0.000 min
Response: 474699127
Conc: 5.96 PPB



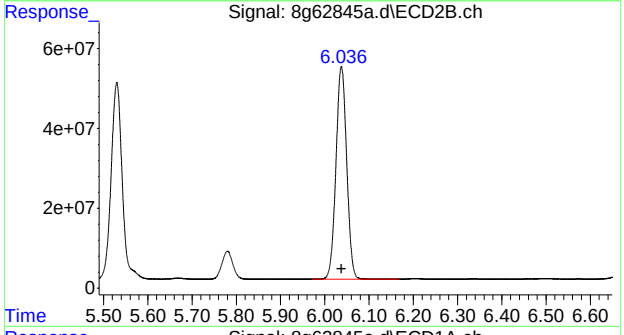
#8 delta-BHC

R.T.: 5.404 min
Delta R.T.: 0.000 min
Response: 998853445
Conc: 5.05 PPB



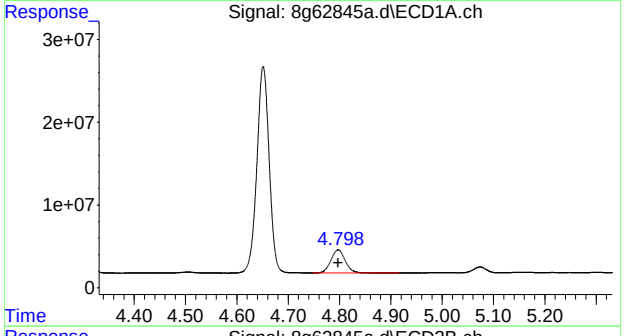
#9 Aldrin

R.T.: 4.652 min
Delta R.T.: 0.000 min
Response: 415797905
Conc: 5.76 PPB



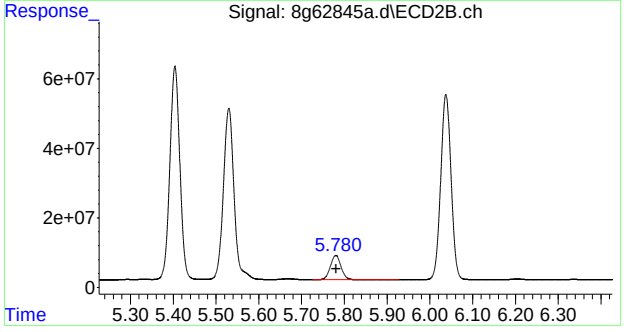
#9 Aldrin

R.T.: 6.038 min
Delta R.T.: 0.000 min
Response: 897668370
Conc: 4.81 PPB



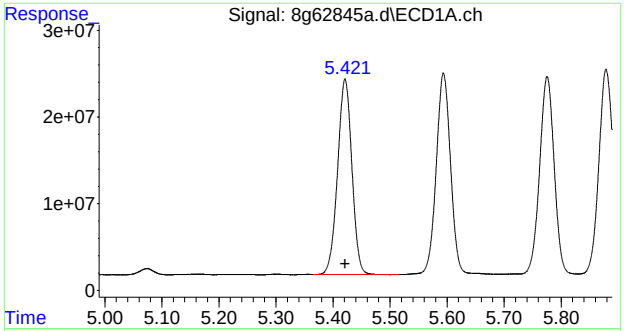
#10 alachlor

R.T.: 4.797 min
Delta R.T.: 0.000 min
Response: 54773750
Conc: 5.06 PPB



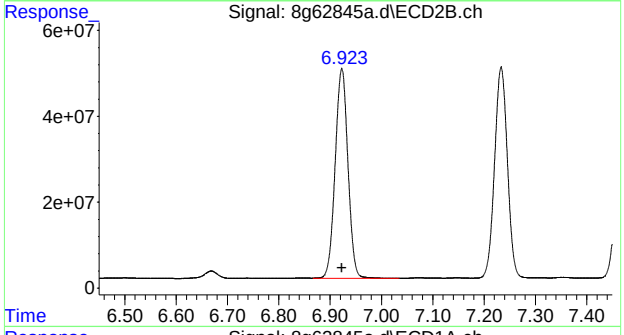
#10 alachlor

R.T.: 5.780 min
Delta R.T.: 0.000 min
Response: 120499799
Conc: 4.32 PPB



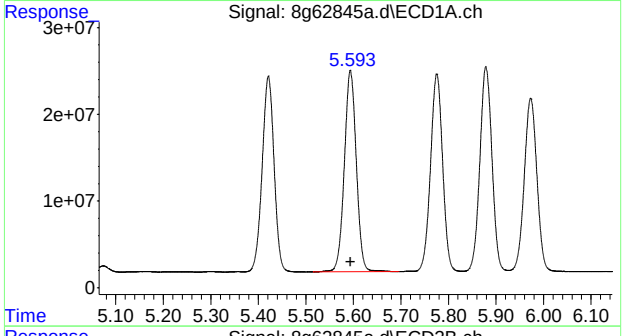
#11 Heptachlor Epoxide

R.T.: 5.421 min
Delta R.T.: 0.000 min
Response: 392211693
Conc: 5.50 PPB



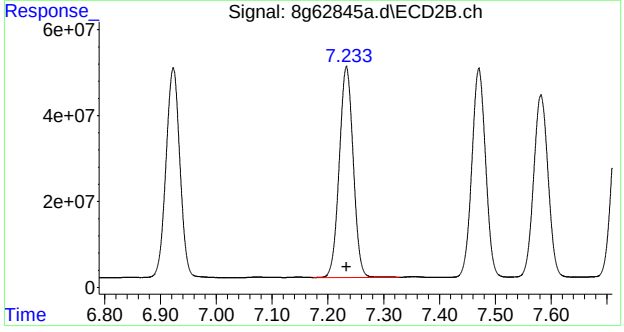
#11 Heptachlor Epoxide

R.T.: 6.923 min
Delta R.T.: 0.000 min
Response: 842201908
Conc: 4.77 PPB



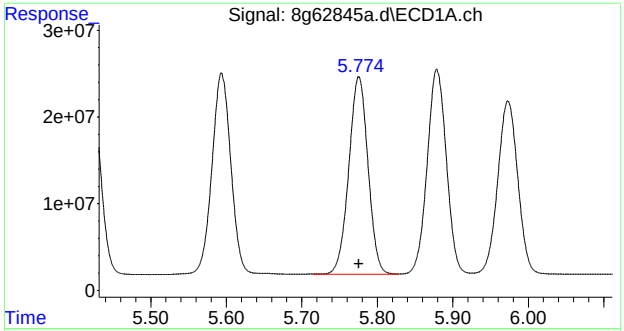
#12 gamma-Chlordane

R.T.: 5.594 min
Delta R.T.: 0.000 min
Response: 406580100
Conc: 5.35 PPB



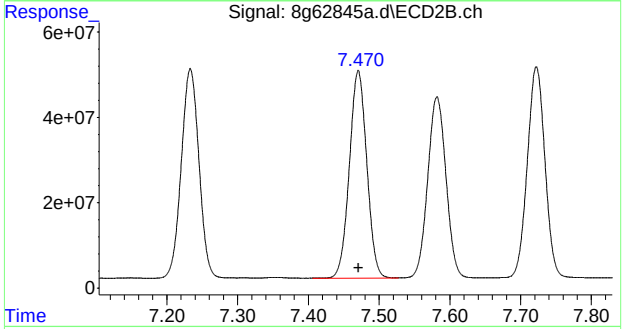
#12 gamma-Chlordane

R.T.: 7.233 min
Delta R.T.: 0.000 min
Response: 851730085
Conc: 4.88 PPB



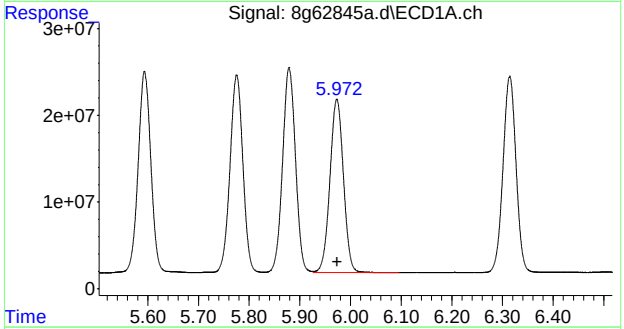
#13 alpha-Chlordane

R.T.: 5.776 min
Delta R.T.: 0.000 min
Response: 403397409
Conc: 5.70 PPB



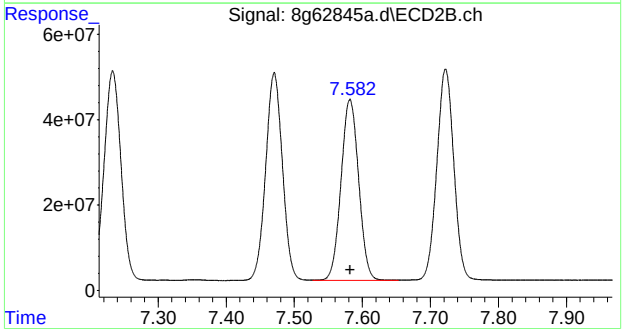
#13 alpha-Chlordane

R.T.: 7.471 min
Delta R.T.: 0.000 min
Response: 832184662
Conc: 4.80 PPB



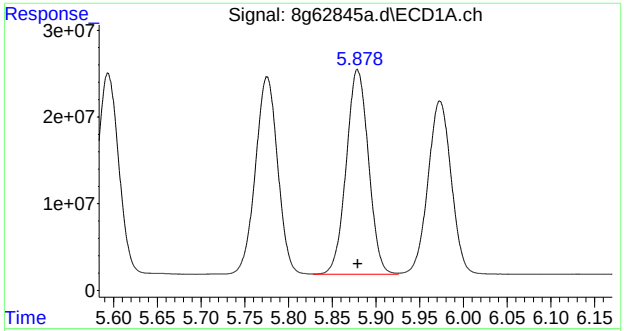
#14 Endosulfan I

R.T.: 5.973 min
Delta R.T.: 0.000 min
Response: 370624243
Conc: 5.61 PPB



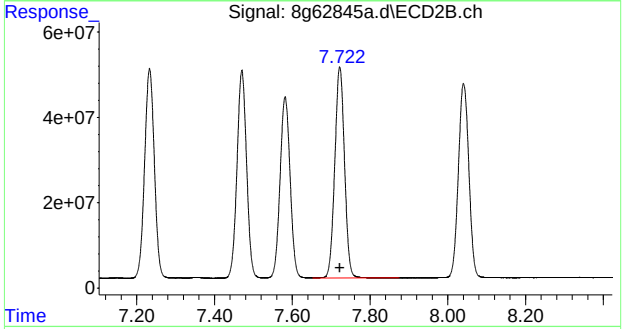
#14 Endosulfan I

R.T.: 7.582 min
Delta R.T.: 0.000 min
Response: 764014002
Conc: 4.81 PPB



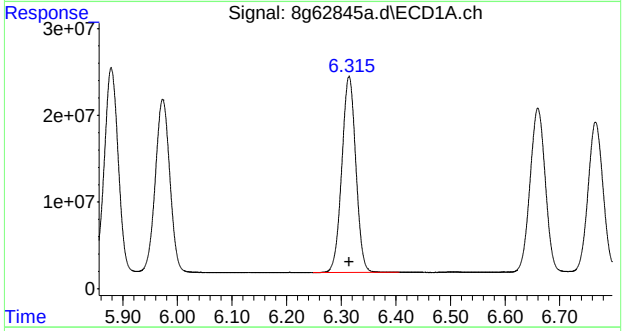
#15 4,4'-DDE

R.T.: 5.879 min
Delta R.T.: 0.000 min
Response: 418506970
Conc: 5.78 PPB



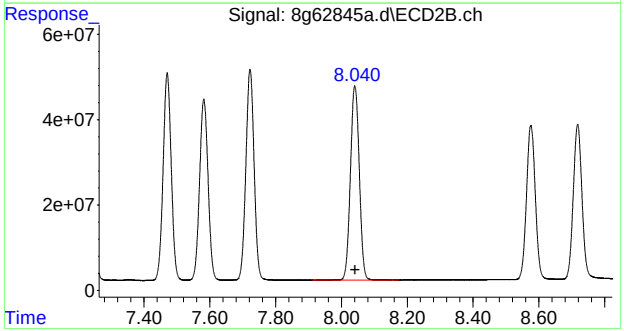
#15 4,4'-DDE

R.T.: 7.722 min
Delta R.T.: 0.000 min
Response: 861158252
Conc: 5.13 PPB



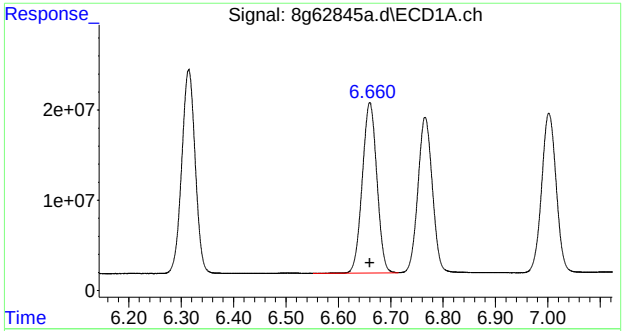
#16 Dieldrin

R.T.: 6.314 min
Delta R.T.: 0.000 min
Response: 402908857
Conc: 5.60 PPB



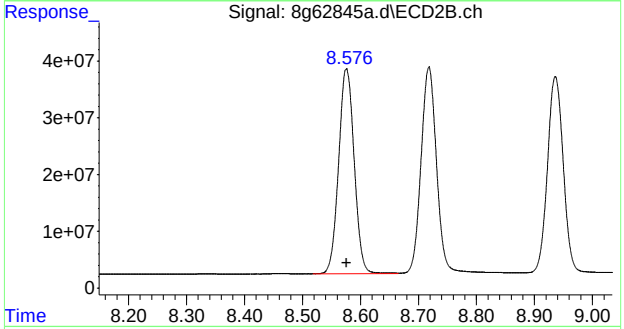
#16 Dieldrin

R.T.: 8.041 min
Delta R.T.: 0.000 min
Response: 851978409
Conc: 4.74 PPB



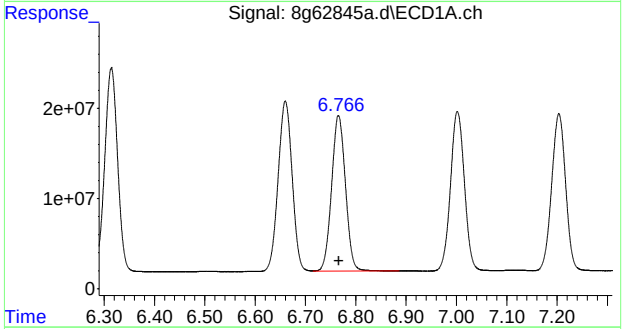
#17 Endrin

R.T.: 6.660 min
Delta R.T.: 0.000 min
Response: 365495494
Conc: 6.44 PPB



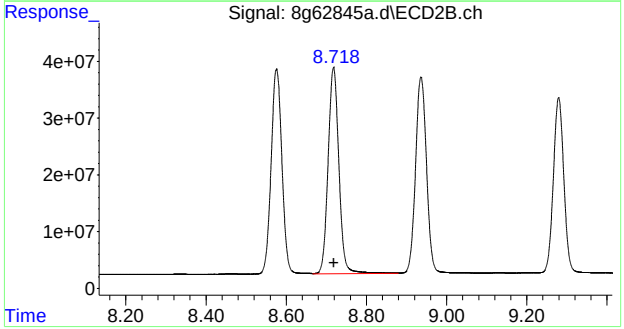
#17 Endrin

R.T.: 8.576 min
Delta R.T.: 0.000 min
Response: 674275925
Conc: 5.21 PPB m



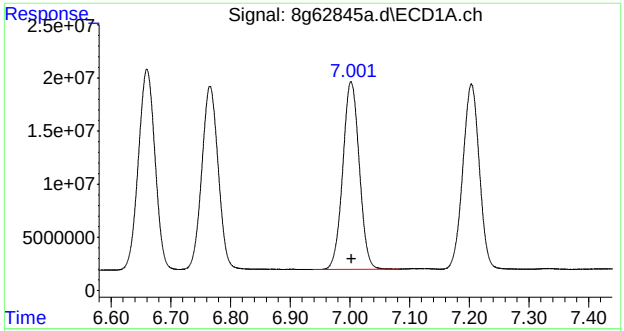
#18 4,4'-DDD

R.T.: 6.766 min
Delta R.T.: 0.000 min
Response: 330962983
Conc: 5.46 PPB



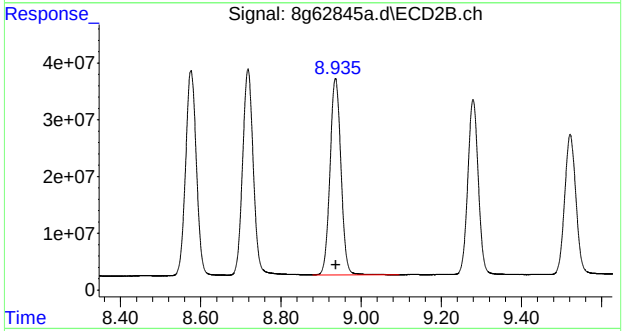
#18 4,4'-DDD

R.T.: 8.718 min
Delta R.T.: 0.000 min
Response: 680978831
Conc: 4.61 PPB



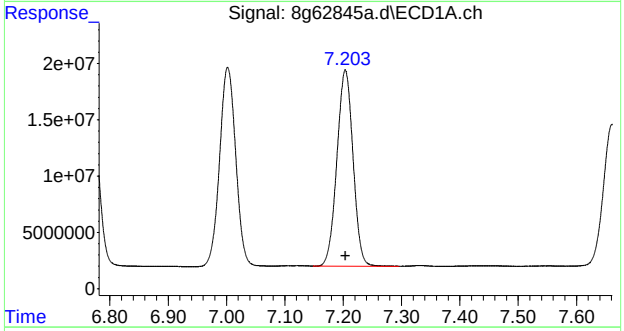
#19 Endosulfan II

R.T.: 7.002 min
Delta R.T.: 0.000 min
Response: 339569614
Conc: 5.36 PPB



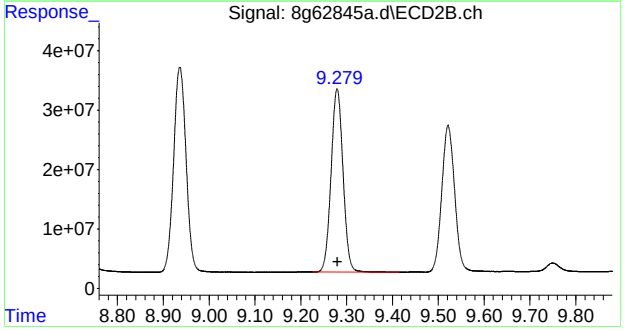
#19 Endosulfan II

R.T.: 8.936 min
Delta R.T.: 0.000 min
Response: 657903581
Conc: 4.38 PPB



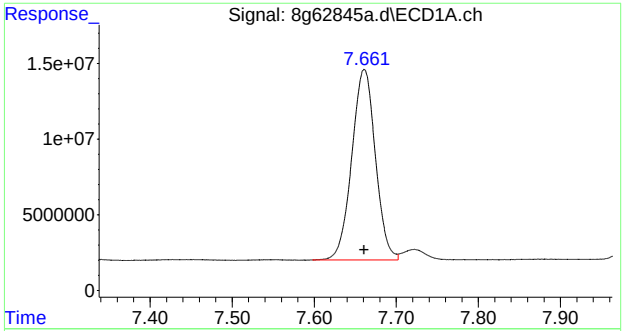
#20 4,4'-DDT

R.T.: 7.204 min
Delta R.T.: 0.000 min
Response: 334624269
Conc: 5.47 PPB



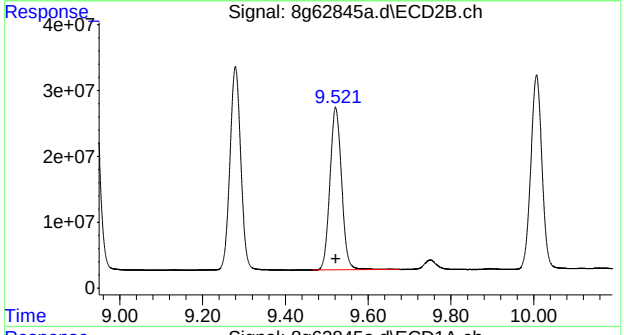
#20 4,4'-DDT

R.T.: 9.280 min
Delta R.T.: 0.000 min
Response: 557705225
Conc: 4.56 PPB



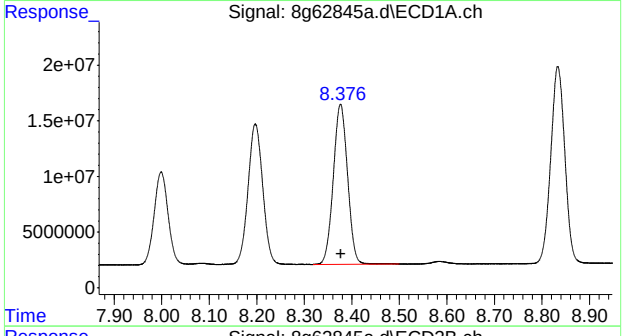
#21 Endrin Aldehyde

R.T.: 7.661 min
Delta R.T.: 0.000 min
Response: 252305799
Conc: 4.85 PPB m



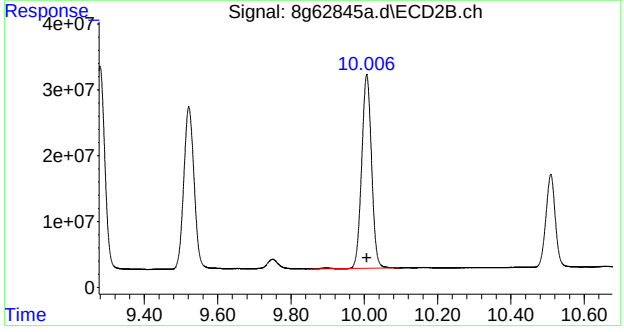
#21 Endrin Aldehyde

R.T.: 9.522 min
Delta R.T.: 0.000 min
Response: 482260007
Conc: 4.09 PPB



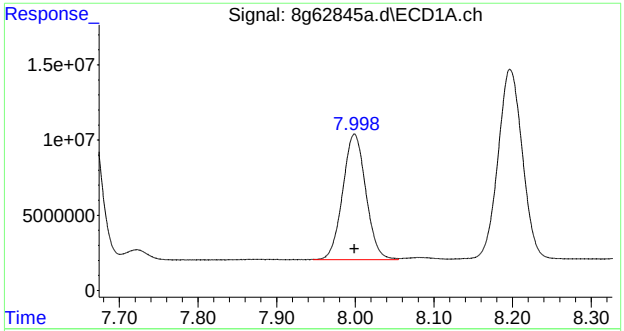
#22 Endosulfan Sulfate

R.T.: 8.376 min
Delta R.T.: 0.000 min
Response: 299463038
Conc: 5.09 PPB



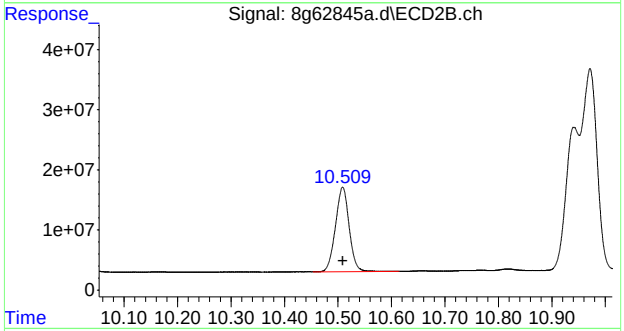
#22 Endosulfan Sulfate

R.T.: 10.007 min
Delta R.T.: 0.000 min
Response: 547573088
Conc: 4.04 PPB



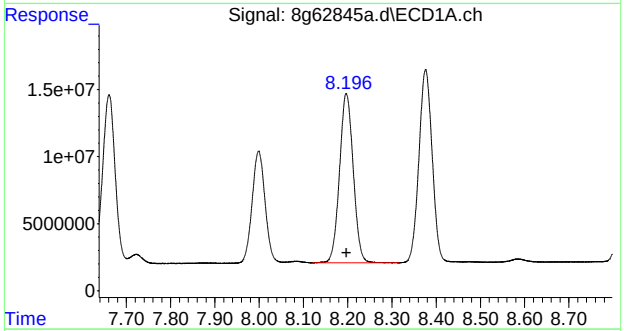
#23 Methoxychlor

R.T.: 7.998 min
Delta R.T.: 0.000 min
Response: 170545029
Conc: 4.79 PPB m



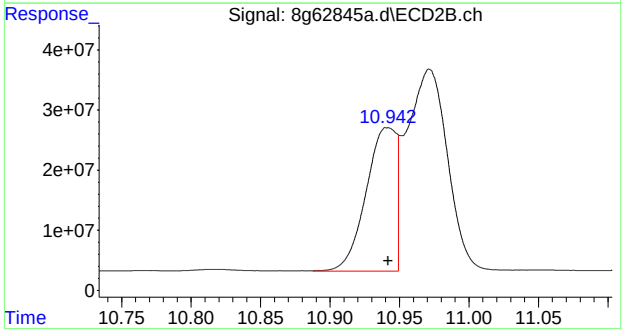
#23 Methoxychlor

R.T.: 10.509 min
Delta R.T.: 0.000 min
Response: 249506235
Conc: 4.11 PPB



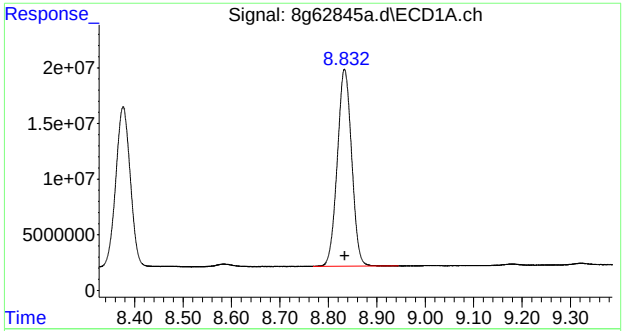
#24 Mirex

R.T.: 8.197 min
Delta R.T.: 0.000 min
Response: 271072472
Conc: 5.02 PPB



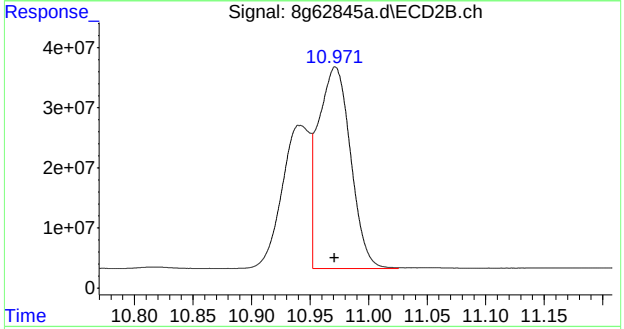
#24 Mirex

R.T.: 10.942 min
Delta R.T.: 0.000 min
Response: 361477657
Conc: 4.15 PPB m



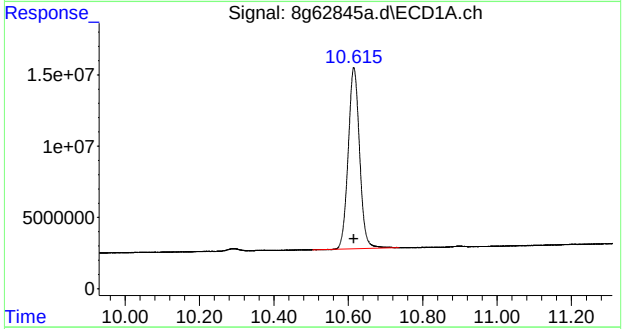
#25 Endrin Ketone

R.T.: 8.834 min
Delta R.T.: 0.000 min
Response: 364156247
Conc: 4.88 PPB



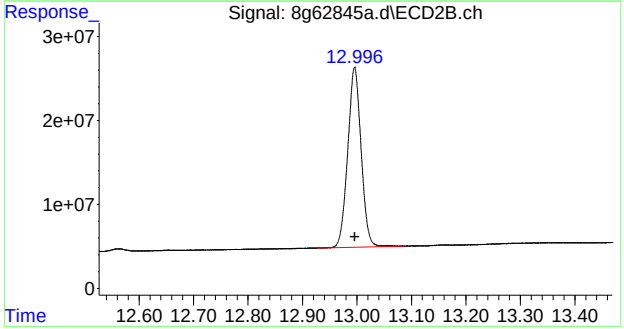
#25 Endrin Ketone

R.T.: 10.971 min
Delta R.T.: 0.000 min
Response: 635145575
Conc: 3.43 PPB m



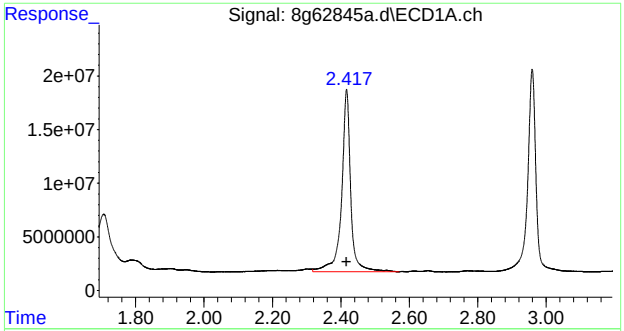
#26 Decachlorobiphenyl

R.T.: 10.615 min
Delta R.T.: 0.000 min
Response: 269109141
Conc: 4.62 PPB



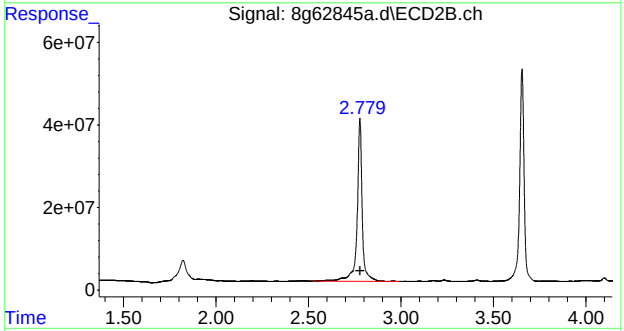
#26 Decachlorobiphenyl

R.T.: 12.996 min
Delta R.T.: 0.000 min
Response: 365301651
Conc: 3.47 PPB



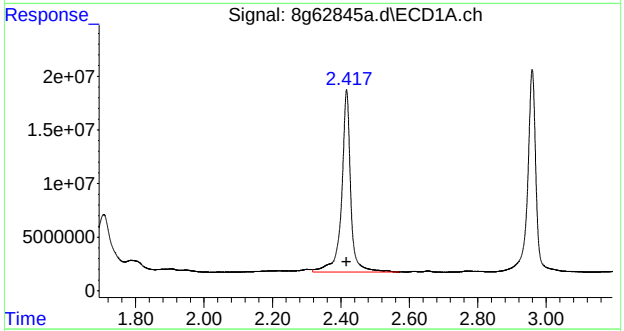
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.417 min
Delta R.T.: 0.000 min
Response: 314141229
Conc: 5.00 PPB



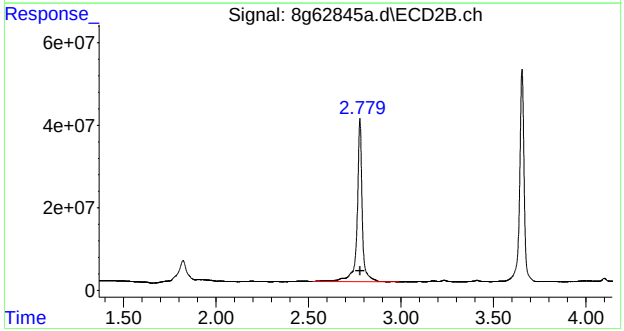
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.779 min
Delta R.T.: 0.000 min
Response: 758724573
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.417 min
Delta R.T.: 0.000 min
Response: 314141229
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.779 min
Delta R.T.: 0.000 min
Response: 758724573
Conc: 5.00 PPB

Manual Integration Approval Summary

Sample Number: G8G2704-CC2596
Lab FileID: 8G62845A.D
Injection Time: 12/04/24 15:22
Method: SW846 8081B
Analyst approved: 12/05/24 01:09 Christopher Changho
Supervisor approved: 12/05/24 15:03 Gwendolyn Burns

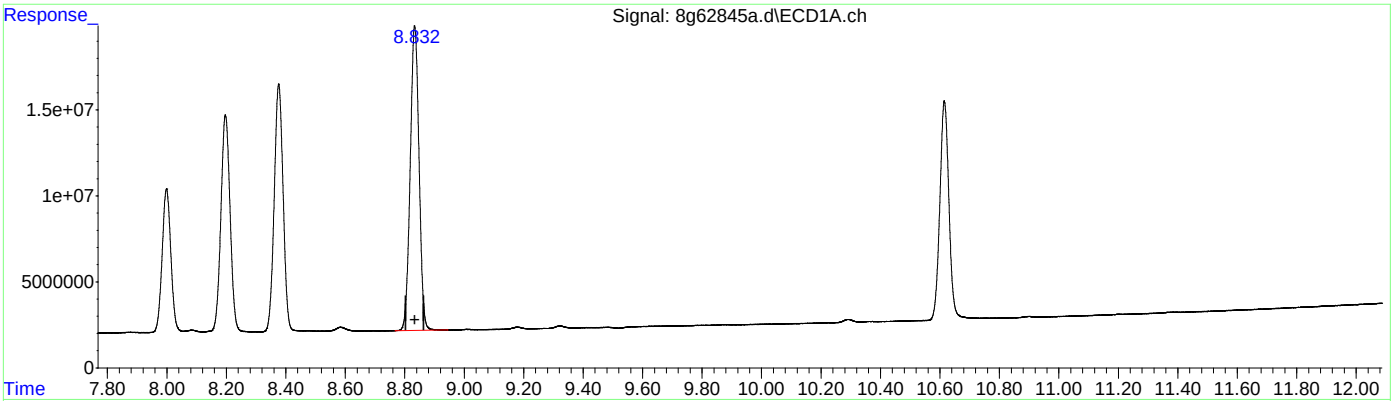
Parameter	CAS	Sig#	R.T. (min.)	Reason
Endrin aldehyde	7421-93-4	1	7.66	Poorly defined baseline
Methoxychlor	72-43-5	1	8.00	Poorly defined baseline
Endrin	72-20-8	2	8.58	Poorly defined baseline
Mirex	2385-85-5	2	10.94	Poorly defined baseline
Endrin ketone	53494-70-5	2	10.97	Poorly defined baseline

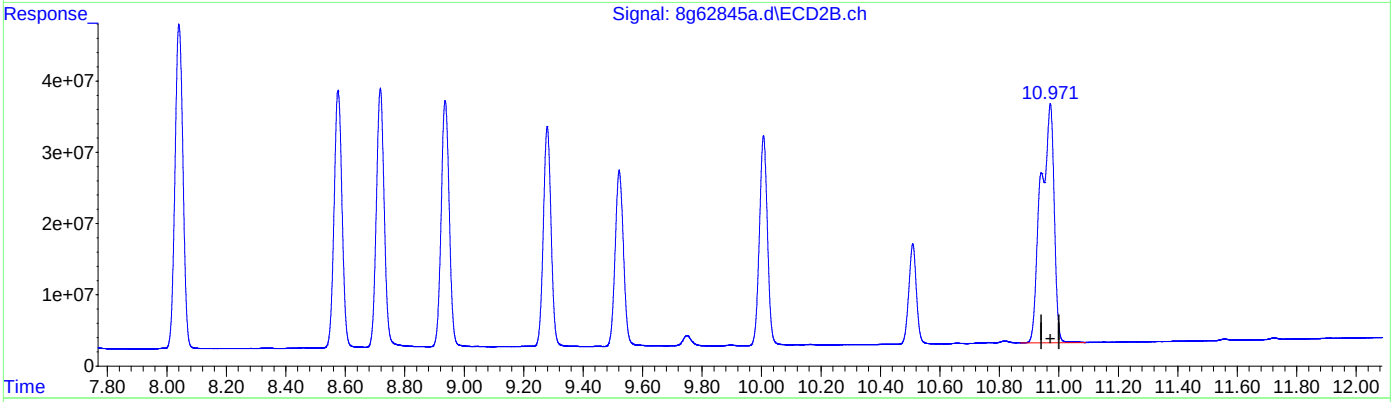
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62845a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 3:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:15 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(25) Endrin Ketone (B)

8.834min 4.885 PPB

response 364156247

(25) Endrin Ketone #2 (B)

10.971min 5.611 PPB

response 1040113823

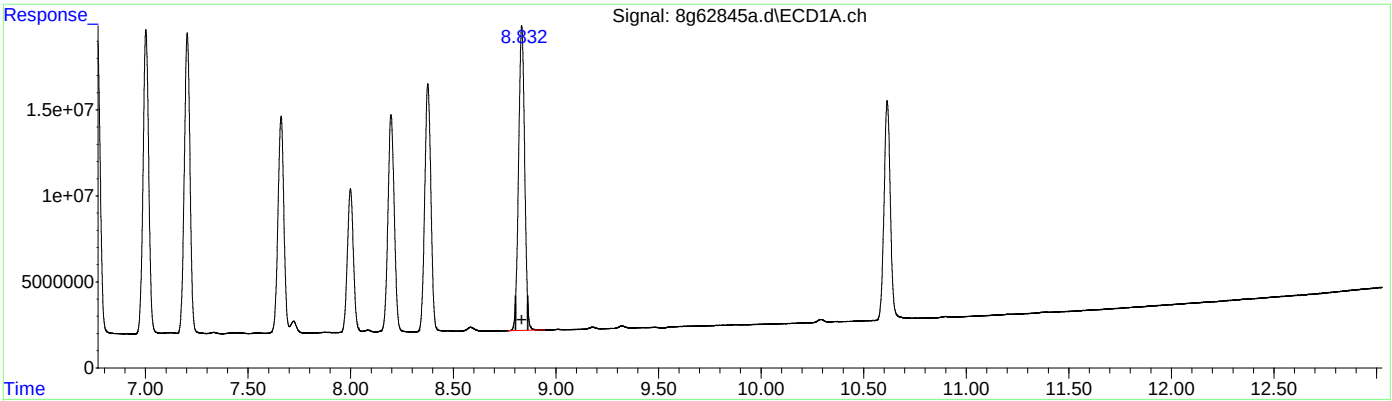
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:26:20 2024

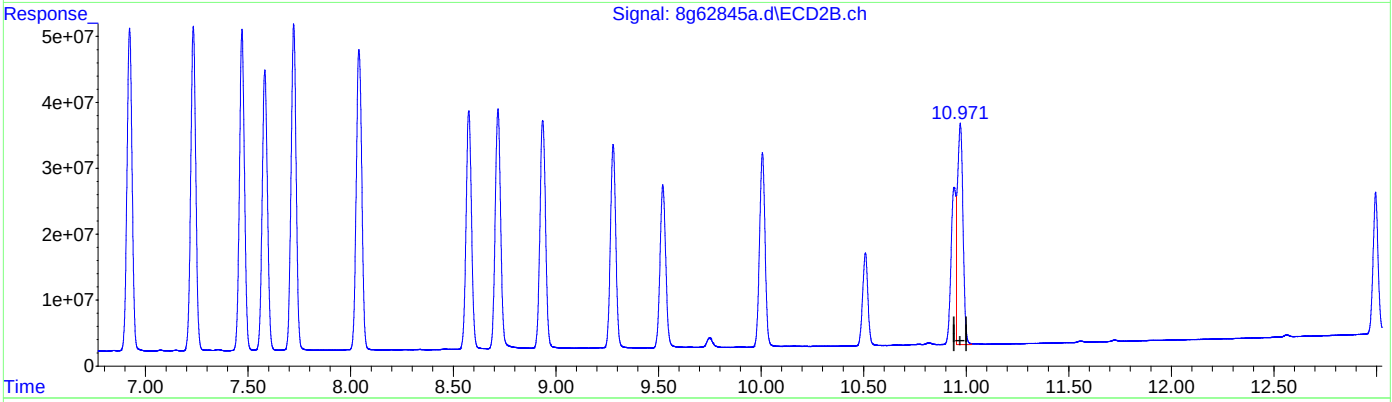
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62845a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 3:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:15 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(25) Endrin Ketone (B)

8.834min 4.885 PPB

response 364156247

(25) Endrin Ketone #2 (B)

10.971min 3.427 PPB m

response 635145575

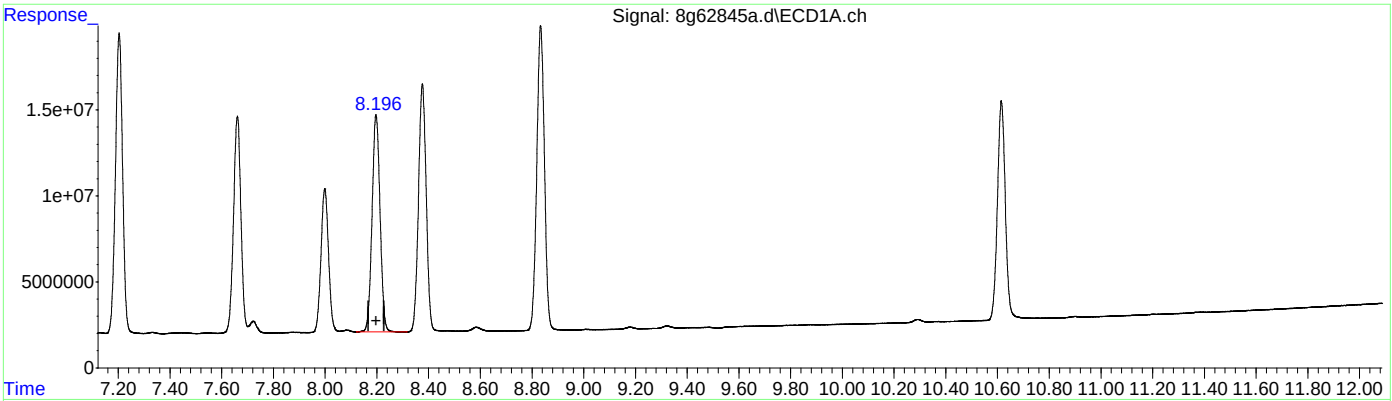
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:26:26 2024

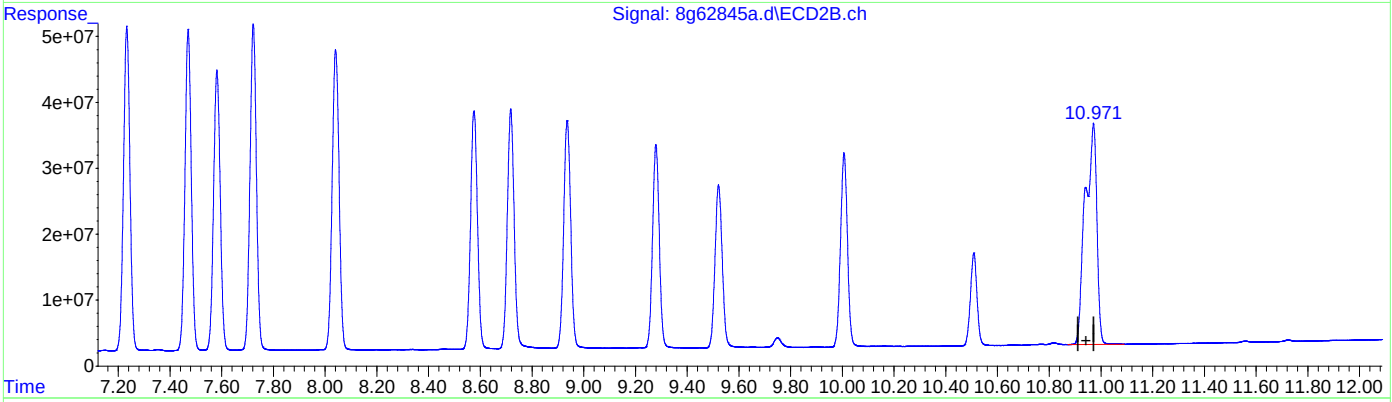
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62845a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 3:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:15 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(24) Mirex

8.197min 5.023 PPB

response 271072472

(24) Mirex #2

10.971min 11.955 PPB

response 1040113823

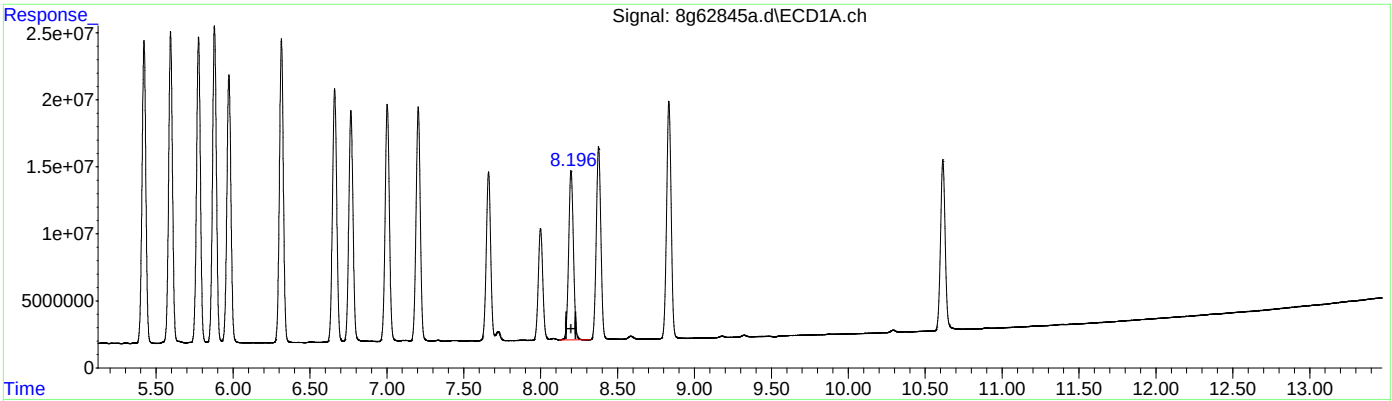
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:26:28 2024

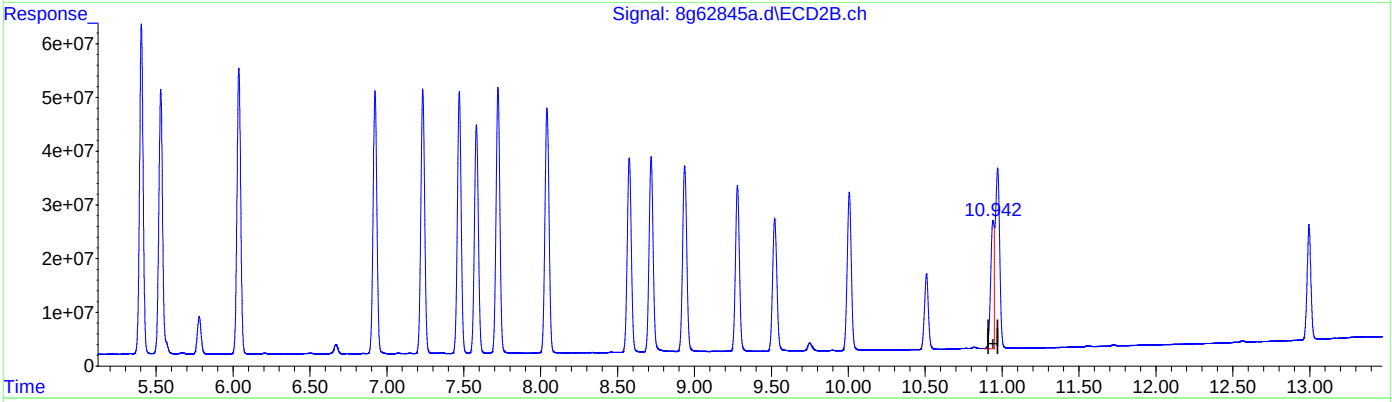
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62845a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 3:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:15 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(24) Mirex

8.197min 5.023 PPB

response 271072472

(24) Mirex #2

10.942min 4.155 PPB m

response 361477657

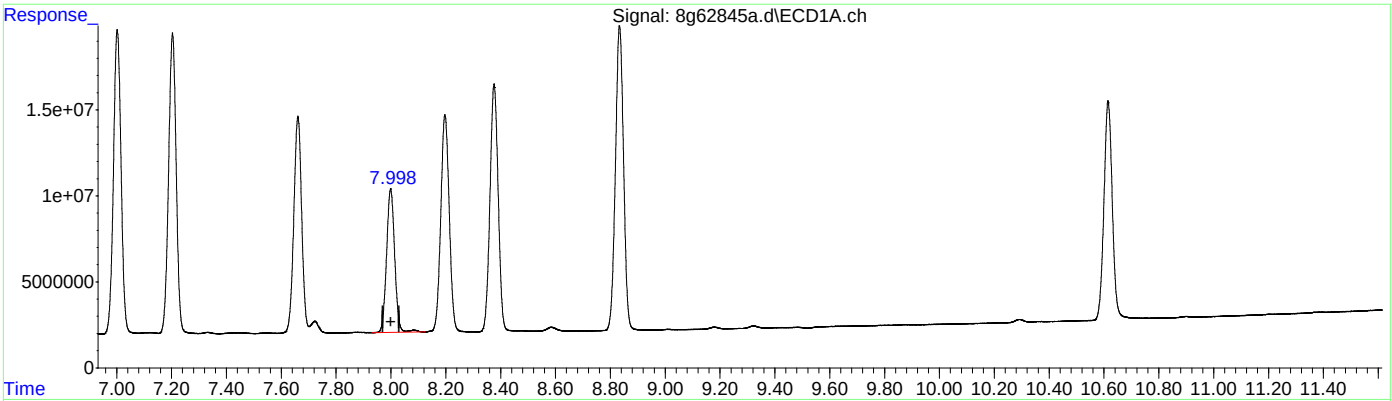
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:26:46 2024

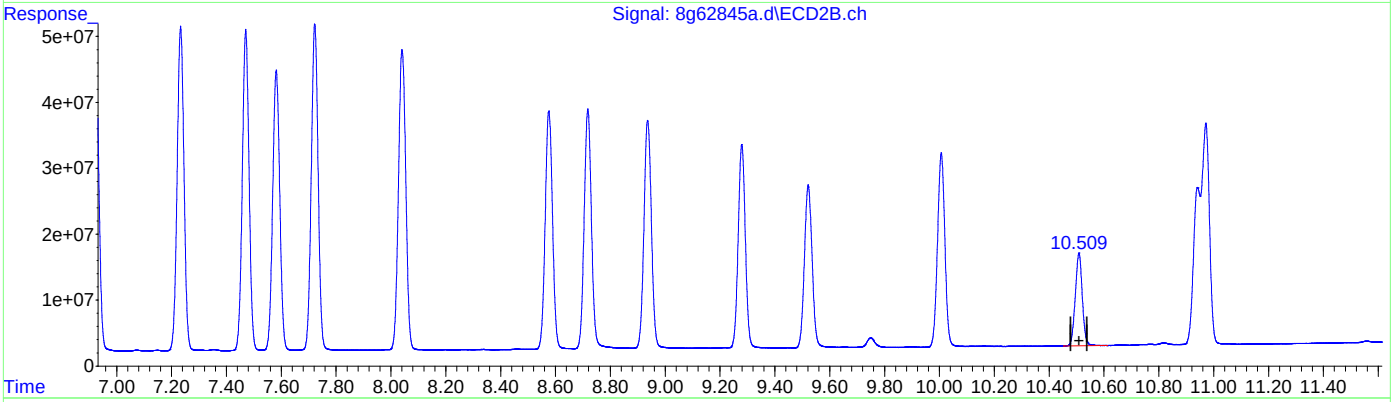
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62845a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 3:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:15 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(23) Methoxychlor (A)

7.999min 4.834 PPB

response 172013112

(23) Methoxychlor #2 (A)

10.509min 4.110 PPB

response 249506235

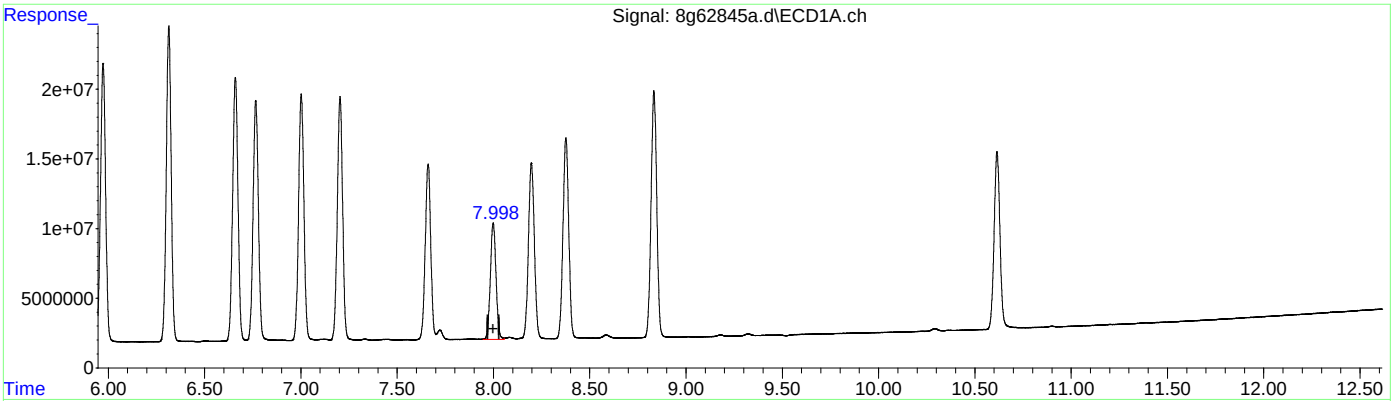
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:26:51 2024

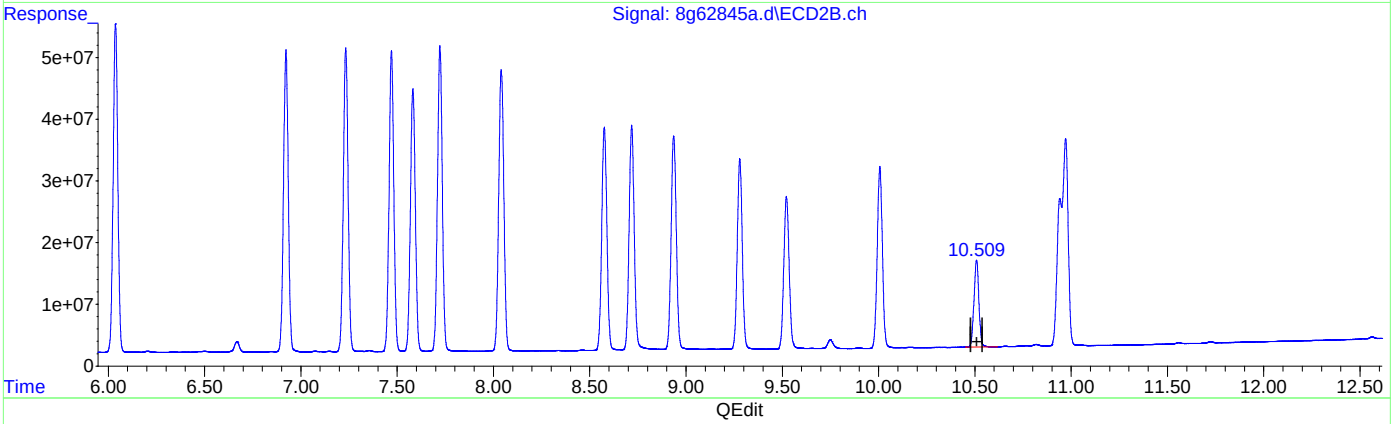
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62845a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 3:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:15 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(23) Methoxychlor (A)

7.998min 4.793 PPB m

response 170545029

(23) Methoxychlor #2 (A)

10.509min 4.110 PPB

response 249506235

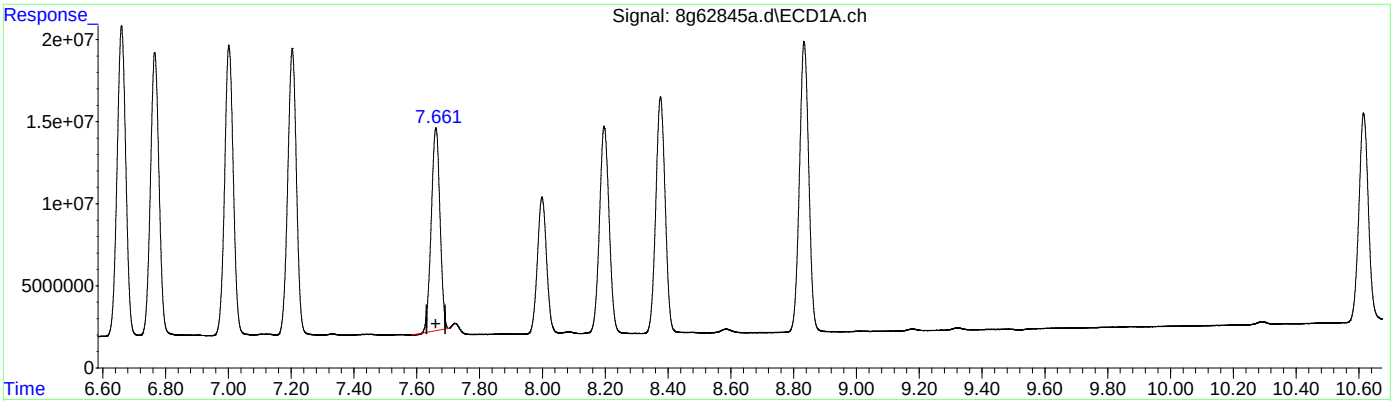
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:26:55 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62845a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 3:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:15 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(21) Endrin Aldehyde (B)

7.661min 4.573 PPB

response 237998827

(21) Endrin Aldehyde #2 (B)

9.522min 4.090 PPB

response 482260007

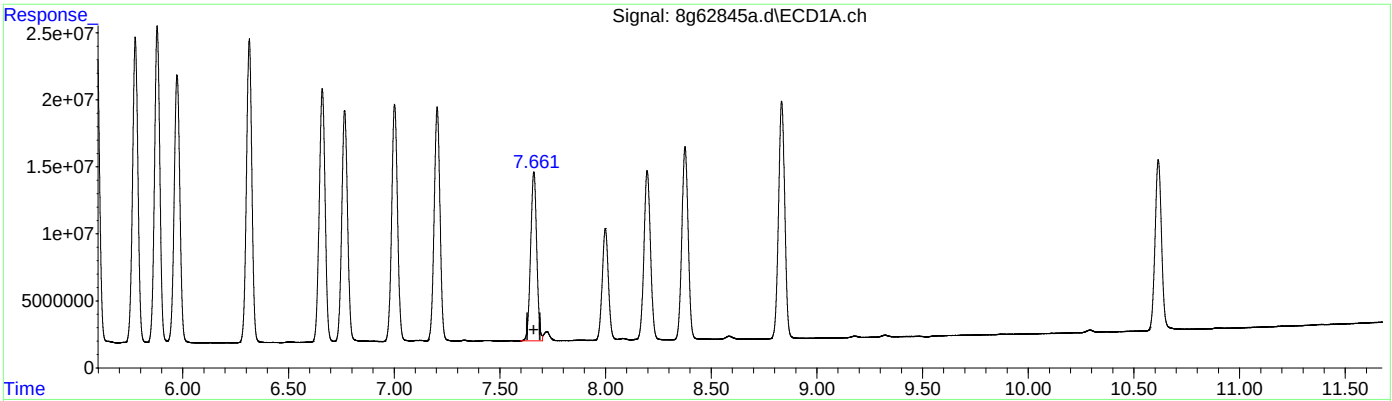
(+) = Expected Retention Time

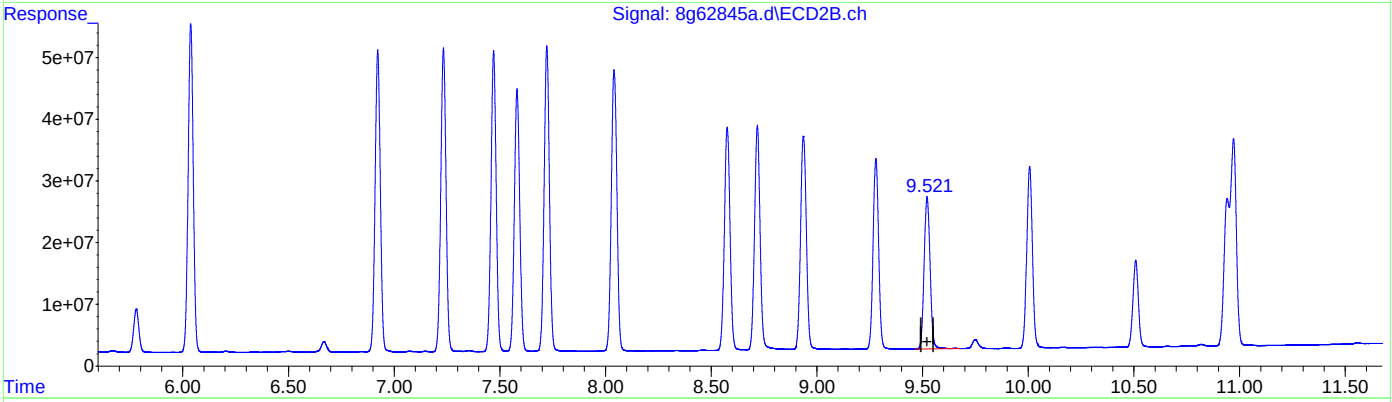
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62845a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 3:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:15 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(21) Endrin Aldehyde (B)

7.661min 4.848 PPB m

response 252305799

(21) Endrin Aldehyde #2 (B)

9.522min 4.090 PPB

response 482260007

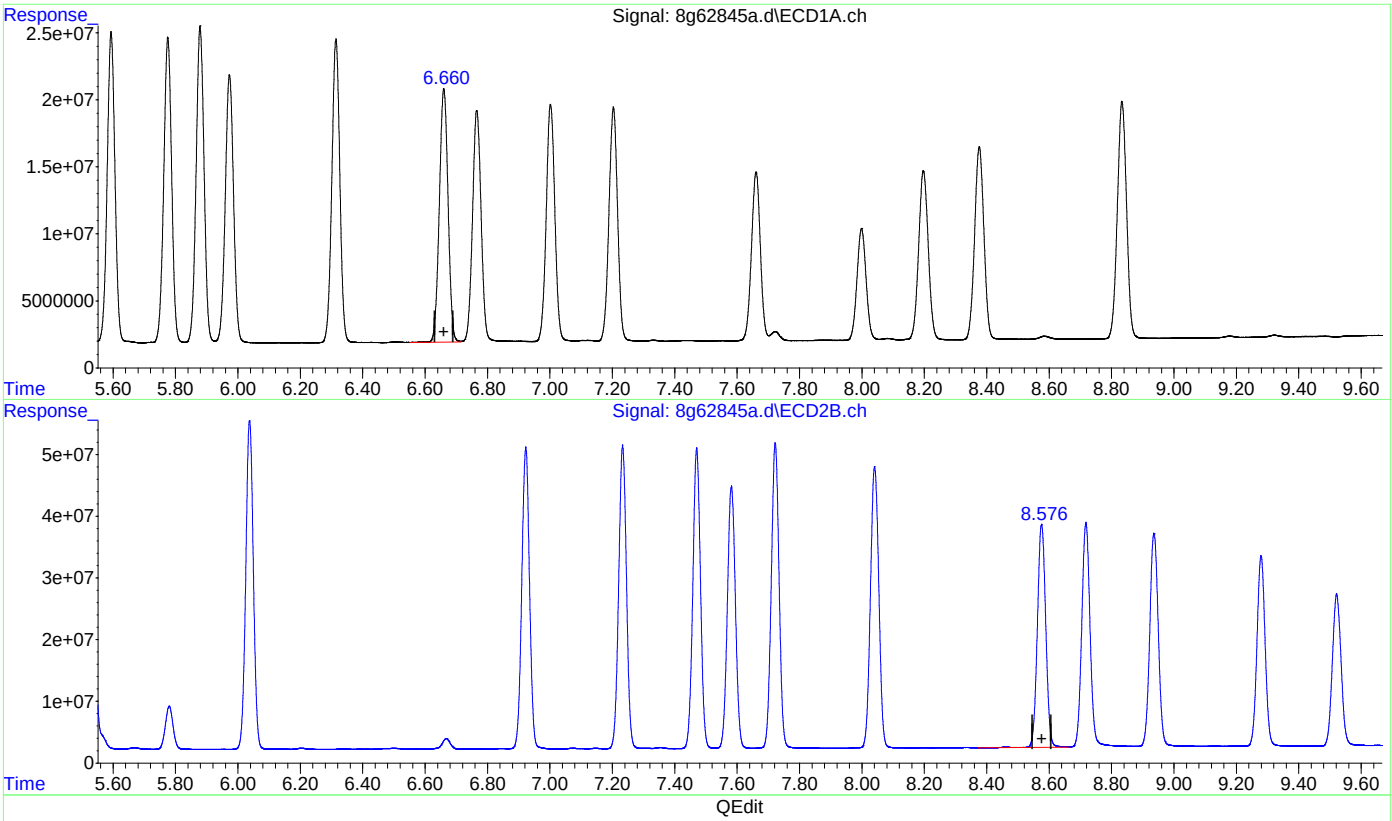
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:27:03 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62845a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 3:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:15 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(17) Endrin (MA)

6.660min 6.441 PPB

response 365495494

(17) Endrin #2 (MA)

8.576min 5.231 PPB

response 676870597

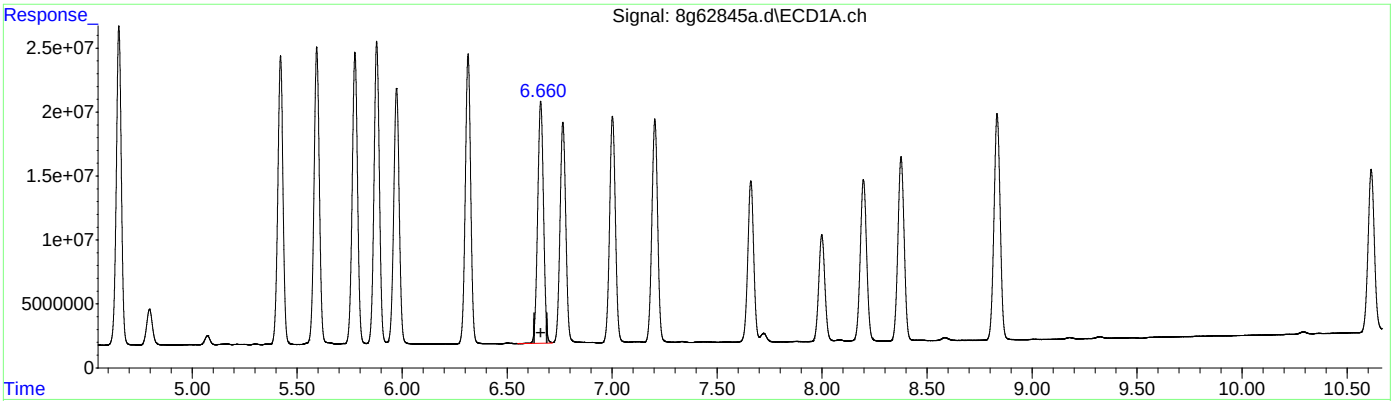
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:27:14 2024

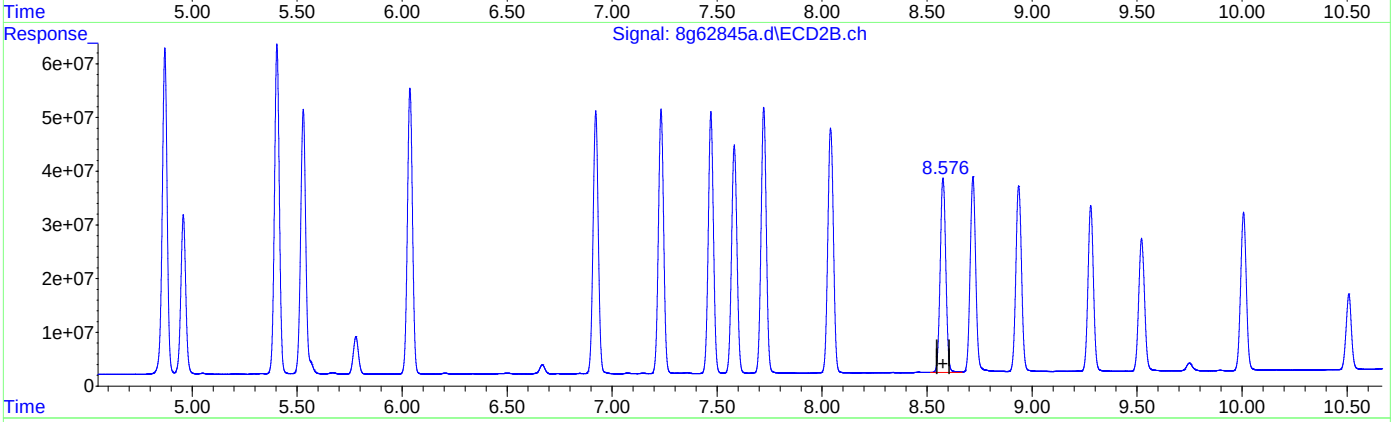
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62845a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 3:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:15 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(17) Endrin (MA)

6.660min 6.441 PPB

response 365495494

(17) Endrin #2 (MA)

8.576min 5.211 PPB m

response 674275925

(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:27:20 2024

SGS

SEMIVOLATILE by GC ANALYSIS LOG

Date: 12/6/2024

Standard Data

Lot#	Description	Concentration
sv24-2979-70a	Pest Mix	2.5ppb
sv24-2979-70b	Pest Mix	5.0ppb
sv24-2979-38b	ISTD	500ppb
sv24-2979-72	PEM	50-250ppb (10x)
sv24-2979-74	IB	20ppb (10x)

Standard data

Lot#	Description	Concentration
sv24-2979-95	TBA Solution	n/a
24060260	Hexane (Tedia)	n/a

Batch ID:G6G3879

Analyst Name: Rebecca Krug

Columns:CLP1/CLP2

Method:8081

Initial Cal. Method:6PSTLVI3879

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data file	OP Batch, Run ID, Vi,,,Vf, Dil.	SU	Status(data)	Comments
100	rinse	6g103137	op59754,g6g3879,5.0,,,10,1		not using	
100	rinse	6g103138	op59754,g6g3879,5.0,,,10,1		not using	
1	ddt	6g103139	op59754,g6g3879,5.0,,,10,1		ok	
4	cc3836-5	6g103140	op59754,g6g3879,5.0,,,10,1		ok	
3	ib	6g103141	op59754,g6g3879,5.0,,,10,1		ok	
6	ic3879-0.1	6g103142	op59754,g6g3879,5.0,,,10,1		ok	
7	ic3879-0.2	6g103143	op59754,g6g3879,5.0,,,10,1		ok	
8	ic3879-0.5	6g103144	op59754,g6g3879,5.0,,,10,1		ok	
9	ic3879-1	6g103145	op59754,g6g3879,5.0,,,10,1		ok	
2	icc3879-2.5	6g103146	op59754,g6g3879,5.0,,,10,1		ok	
3	ic3879-5	6g103147	op59754,g6g3879,5.0,,,10,1		ok	
10	ic3879-7.5	6g103148	op59754,g6g3879,5.0,,,10,1		ok	
11	ic3879-10	6g103149	op59754,g6g3879,5.0,,,10,1		ok	
12	ic3879-50	6g103150	op59754,g6g3879,5.0,,,10,1		ok	
13	ic3879-50	6g103151	op59754,g6g3879,5.0,,,10,1		ok	
14	icv3879-2.5	6g103152	op59754,g6g3879,5.0,,,10,1		ok	
15	icv3879-50	6g103153	op59754,g6g3879,5.0,,,10,1		ok	
16	icv3879-50	6g103154	op59754,g6g3879,5.0,,,10,1		ok	

SGS

SEMIVOLATILE by GC ANALYSIS LOG

Date: 12/9/2024

Standard Data

Lot#	Description	Concentration
sv24-2979-70a	Pest Mix	2.5ppb
sv24-2979-70b	Pest Mix	5.0ppb
sv24-2979-38b	ISTD	500ppb
sv24-2979-72	PEM	50-250ppb (10x)
sv24-2979-74	IB	20ppb (10x)

Standard data

Lot#	Description	Concentration
sv24-2979-95	TBA Solution	n/a
24060260	Hexane (Tedia)	n/a

Batch ID:G6G3881

Analyst Name: Mahalia L Ceus

Columns:CLP1/CLP2

Method:8081

Initial Cal. Method:6PSTLVI3879

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data file	OP Batch, Run ID, Vi,,,Vf, Dil.	SU	Status(data)	Comments
100	rinse	6g103192	op59754,g6g3881,5.0,,,10,1			
100	rinse	6g103193	op59754,g6g3881,5.0,,,10,1			
100	rinse	6g103194	op59754,g6g3881,5.0,,,10,1			
1	ddt	6g103195	op59754,g6g3881,5.0,,,10,1		ok	
4	cc3879-5	6g103196	op59754,g6g3881,5.0,,,10,1		ok	
3	ib	6g103197	op59754,g6g3881,5.0,,,10,1			
29	op59859-mb1 m	6g103198	op59859,g6g3881,5.0,,,10,1		ok	
30	op59859-bs1 m	6g103199	op59859,g6g3881,5.0,,,10,1		ok	
31	je1296-1r m	6g103200	op59833,g6g3881,5.0,,,10,1		ok	
32	je1032-1 m	6g103201	op59629,g6g3881,5.0,,,10,10		ok	
33	je1032-1 m	6g103202	op59629,g6g3881,5.0,,,10,1		ok	
34	je1098-6 m	6g103203	op59742,g6g3881,5.0,,,10,5		ok	had tba
35	je1098-6 m	6g103204	op59742,g6g3881,5.0,,,10,1		ok	had tba
36	je1515-1 m	6g103205	op59854,g6g3881,5.02,,,10,1		ok	had tba
37	je1516-1 m	6g103206	op59854,g6g3881,5.05,,,10,1		ok	had tba
38	je1536-2 m	6g103207	op59854,g6g3881,5.03,,,10,1		ok	had tba
39	je1536-3 m	6g103208	op59854,g6g3881,5.0,,,10,5		ok	
40	je1536-4 m	6g103209	op59854,g6g3881,5.5,,,10,5		ok	

SGS

SEMIVOLATILE by GC ANALYSIS LOG

Date: 10/12/2024

Standard Data

Lot#	Description	Concentration
sv24-2979-70a	Pest Mix	2.5ppb
sv24-2979-70b	Pest Mix	5.0ppb
sv24-2979-38b	ISTD	500ppb
sv24-2979-72	PEM	50-250ppb (10x)
sv24-2979-74	IB	20ppb (10x)

Standard data

Lot#	Description	Concentration
sv24-2979-95	TBA Solution	n/a
24060260	Hexane (Tedia)	n/a

Batch ID:G6G3882

Analyst Name: Mahalia L Ceus

Columns:CLP1/CLP2

Method:8081

Initial Cal. Method:6PSTLVI3879

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data file	OP Batch, Run ID, Vi,,,Vf, Dil.	SU	Status(data)	Comments
100	rinse	6g103210	op59854,g6g3882,5.5,,,10,5			
100	rinse	6g103211	op59854,g6g3882,5.5,,,10,5			
1	ddt	6g103212	op59854,g6g3882,5.5,,,10,5		ok	
2	cc3879-2.5	6g103213	op59854,g6g3882,5.5,,,10,5		ok	
3	ib	6g103214	op59854,g6g3882,5.5,,,10,5			
41	op59856-mb1 m	6g103215	op59856,g6g3882,5.0,,,10,1		ok	
42	op59856-bs1 m	6g103216	op59856,g6g3882,5.0,,,10,1		ok	
43	op59856-bsd m	6g103217	op59856,g6g3882,5.0,,,10,1		ok	
44	je1546-1 m	6g103218	op59856,g6g3882,5.4,,,10,1		ok	
45	je1546-2 m	6g103219	op59856,g6g3882,5.3,,,10,1		ok	
46	je1639-1 m	6g103220	op59856,g6g3882,5.5,,,10,1		ok	
47	op59856-ms m	6g103221	op59856,g6g3882,5.4,,,10,1		ok	
48	op59856-msd m	6g103222	op59856,g6g3882,5.4,,,10,1		ok	
49	je1476-1 m	6g103223	op59856,g6g3882,5.4,,,10,1		ok	
50	je1476-1 m	6g103224	op59856,g6g3882,5.3,,,10,1		ok	

SGS

SEMIVOLATILE by GC ANALYSIS LOG

Date: 09/18/24

Standard data

Lot#	Description	Concentration
sv24-2979-85e	Pest Mix	2.5ppb
sv24-2979-85f	Pest Mix	5ppb
sv23-2979-38b	ISTD	500ppb
sv22-2951-128	IB	20ppb (10x)
sv22-2951-127	PEM	50-250ppb (10x)

Standard data

Lot#	Description	Concentration
sv24-2979-29	tba solution	n/a
24040064	Hexane (Tedia)	n/a

Batch ID:G8G2596

Print Analyst Name: Rebecca Krug

Columns:CLP1/CLP2

Method: 8081, 608

Initial Cal. Method: 8PSTLVI2596

7.7.4

7

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data file	OP Batch, Run ID, Vi,,,Vf, Dil.	SU	Status(data)	Comments
1	ddt	8g60340	op57529,g8g2596,5.0,,,10,1		ok	12:21
3	ib	8g60341	op57529,g8g2596,5.0,,,10,1		ok	
11	ic2596-0.1 (pest mix)	8g60342	op57529,g8g2596,5.0,,,10,1		ok	sv24-2979-85a
12	ic2596-0.2 (pest mix)	8g60343	op57529,g8g2596,5.0,,,10,1		ok	sv24-2979-85b
13	ic2596-0.5 (pest mix)	8g60344	op57529,g8g2596,5.0,,,10,1		ok	sv24-2979-85c
14	ic2596-1 (pest mix)	8g60345	op57529,g8g2596,5.0,,,10,1		ok	sv24-2979-85d
15	icc2596-2.5 (pest mix)	8g60346	op57529,g8g2596,5.0,,,10,1		ok	sv24-2979-85e
16	ic2596-5 (pest mix)	8g60347	op57529,g8g2596,5.0,,,10,1		ok	sv24-2979-85f
17	ic2596-7.5 (pest mix)	8g60348	op57529,g8g2596,5.0,,,10,1		ok	sv24-2979-85g
18	ic2596-10 (pest mix)	8g60349	op57529,g8g2596,5.0,,,10,1		ok	sv24-2979-85h
19	icv2596-2.5 (pest mix)	8g60350	op57529,g8g2596,5.0,,,10,1		ok	sv23-2951-137b
20	ic2596-50 (chlordane)	8g60351	op57529,g8g2596,5.0,,,10,1		ok	sv23-2951-130b
21	icv2596-50 (chlordane)	8g60352	op57529,g8g2596,5.0,,,10,1		ok	sv24-2979-49b
22	ic2596-50 (toxaphene)	8g60353	op57529,g8g2596,5.0,,,10,1		ok	sv24-2979-47b
23	icv2596-50 (toxaphene)	8g60354	op57529,g8g2596,5.0,,,10,1		ok	sv24-2979-48b/16:08

SGS

SEMIVOLATILE by GC ANALYSIS LOG

Date: 12/02/24

Standard data

Lot#	Description	Concentration
sv24-2979-70a	Pest Mix	2.5ppb
sv24-2979-70b	Pest Mix	5ppb
sv23-2979-38b	ISTD	500ppb
sv25- 2979-74	IB	20ppb (10x)
sv24-2979-72	PEM	50-250ppb (10x)

Standard data

Lot#	Description	Concentration
sv24-2979-95	tba solution	n/a
24060260	Hexane (Tedia)	n/a

Batch ID:G8G2700

Print Analyst Name: Christine Phillips

Columns:CLP1/CLP2

Method: 8081, 608

Inital Cal. Method: 8PSTLVI2596

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data file	OP Batch, Run ID, Vi,,,Vf, Dil.	SU	Status(data)	Comments
100	rinse	tlg62759	op59749,g8g2700.5.0,,,10.1			
100	rinse	tlg62760	op59749,g8g2700.5.0,,,10.1			
100	rinse	tlg62761	op59749,g8g2700.5.0,,,10.1			
1	dclt	tlg62762	op59749,g8g2700.5.0,,,10.1			
2	cc2596-2.5	tlg62763	op59749,g8g2700.5.0,,,10.1		not using	
4	cc2596-5	tlg62764	op59749,g8g2700.5.0,,,10.1		__	
3	ib	tlg62765	op59749,g8g2700.5.0,,,10.1		__	
23	op59820-mb1 m	tlg62766	op59820,g8g2700.54.3,,,2.1		__	
24	op59820-bs1 m	tlg62767	op59820,g8g2700.54.3,,,2.1		__	
25	op59820-bsd m	tlg62768	op59820,g8g2700.54.3,,,2.1		__	
26	op59833-mb1 m	tlg62769	op59833,g8g2700.5.0,,,10.1		__	
27	op59833-bs1 m	tlg62770	op59833,g8g2700.5.0,,,10.1		__	
28	je1534-8 m	tlg62771	op59820,g8g2700,54.2,,,2.1		__	
29	je1573-1 m	tlg62772	op59820,g8g2700,55.0,,,2.1		__	
30	je1573-2 m	tlg62773	op59820,g8g2700,54.5,,,2.1		__	
31	op59833-ms m	tlg62774	op59833,g8g2700.5.3,,,10.1		__	
32	op59833-msd m	tlg62775	op59833,g8g2700.5.2,,,10.1		__	
33	je1300-9 m	tlg62776	op59833,g8g2700.5.3,,,10.1		XH OK	
34	je1300-10r m	tlg62777	op59833,g8g2700.5.1,,,10.1		OK	
35	je1300-21rr m	tlg62778	op59833,g8g2700.5.1,,,10.1		OK	
36	je1300-32rr m	tlg62779	op59833,g8g2700.5.1,,,10.1		OK	
37	je1300-44rr m	tlg62780	op59833,g8g2700.5.1,,,10.1		OK	
38	je1098-10 m	tlg62781	op59742,g8g2700.5.1,,,10.1		OK	
39	je1246-4 m	tlg62782	op59740,g8g2700.5.4,,,10.2		OK	

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SGS

SEMIVOLATILE by GC ANALYSIS LOG

Date: 12/02/24

Standard data

Lot#	Description	Concentration
sv24-2979-70a	Pest Mix	2.5ppb
sv24-2979-70b	Pest Mix	5ppb
sv23-2979-38b	ISTD	500ppb
sv25-2979-74	IB	20ppb (10x)
sv24-2979-72	PEM	50-250ppb (10x)

Standard data

Lot#	Description	Concentration
sv24-2979-95	tba solution	n/a
24060260	Hexane (Tedia)	n/a

Batch ID:G8G2700

Print Analyst Name: Christine Phillips

Columns:CLP1/CLP2

Method: 8081, 608

Initial Cal. Method: 8PSTLVI2596

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data file	OP Batch, Run ID, Vi,,,Vf, Dil.	SU	Status(data)	Comments

SGS

SEMIVOLATILE by GC ANALYSIS LOG

Date: 12/02/24

Standard data

Lot#	Description	Concentration
sv24-2979-70a	Pest Mix	2.5ppb
sv24-2979-70b	Pest Mix	5ppb
sv23-2979-38b	ISTD	500ppb
sv25- 2979-74	IB	20ppb (10x)
sv24-2979-72	PEM	50-250ppb (10x)

Standard data

Lot#	Description	Concentration
sv24-2979-95	tba solution	n/a
24060260	Hexane (Tedia)	n/a

Batch ID:G8G2700

Print Analyst Name: Christine Phillips

Columns:CLP1/CLP2

Method: 8081, 608

Initial Cal. Method: 8PSTLVI2596

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data file	OP Batch, Run ID, Vi,,,Vf, Dil.	SU	Status(data)	Comments

SGS

SEMIVOLATILE by GC ANALYSIS LOG

Date: 12/03/24

Standard data

Lot#	Description	Concentration
sv24-2979-70a	Pest Mix	2.5ppb
sv24-2979-70b	Pest Mix	5ppb
sv23-2979-38b	ISTD	500ppb
sv25- 2979-74	IB	20ppb (10x)
sv24-2979-72	PEM	50-250ppb (10x)

Standard data

Lot#	Description	Concentration
sv24-2979-95	tba solution	n/a
24060260	Hexane (Tedia)	n/a

Batch ID:G8G2702

Print Analyst Name: Kyra Conover

Columns:CLP1/CLP2

Method: 8081, 608

Inital Cal. Method: 8PSTLVI2596

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data file	OP Batch, Run ID, Vi,,,Vf, Dil.	SU	Status(data)	Comments
100	rinse	8g62790	op59740,g8g2702.5.0,,,10,1			
100	rinse	8g62791	op59740,g8g2702.5.0,,,10,1			
100	rinse	8g62792	op59740,g8g2702.5.0,,,10,1			
1	dcb	8g62793	op59740,g8g2702.5.0,,,10,1		ok	1:36pm
2	cc2596-2.5	8g62794	op59740,g8g2702.5.0,,,10,1			not using
3	ib	8g62795	op59740,g8g2702.5.0,,,10,1			not using
4	cc2596-5	8g62795a	op59740,g8g2702.5.0,,,10,1		ok	
3	ib	8g62796	op59740,g8g2702.5.0,,,10,1		ok	
40	op59826-mb1 m	8g62797	op59826,g8g2702.5.0,,,10,1		ok	
41	op59826-bs1 m	8g62798	op59826,g8g2702.5.0,,,10,1		ok	
42	op59826-ms m	8g62799	op59826,g8g2702.5.1,,,10,1		ok	
43	op59826-msd m	8g62800	op59826,g8g2702.5.1,,,10,1		ok	
44	je1369-4 m	8g62801	op59826,g8g2702.5.0,,,10,1		ok	
45	je1369-10 m	8g62802	op59826,g8g2702.5.4,,,10,1		ok	
46	je1369-11 m	8g62803	op59826,g8g2702.5.4,,,10,1		ok	
47	je1369-12 m	8g62804	op59826,g8g2702.5.4,,,10,1		ok	
48	je1369-13 m	8g62805	op59826,g8g2702.5.2,,,10,1		ok	
49	je1359-11 m	8g62806	op59826,g8g2702.5.2,,,10,1		ok	
50	je1402-1 m	8g62807	op59827,g8g2702.5.0,,,10,1		ok	
51	je1402-3 m	8g62808	op59827,g8g2702.5.0,,,10,1		ok	
52	je1402-5 m	8g62809	op59827,g8g2702.5.2,,,10,1		ok	
53	je1455-1 m	8g62810	op59827,g8g2702.5.02,,,10,1		ok	missing % solids
54	je1455-2 m	8g62811	op59827,g8g2702.5.05,,,10,1		ok	missing % solids
55	je1455-3 m	8g62812	op59827,g8g2702.5.04,,,10,1		ok	missing % solids
56	je1455-4 m	8g62813	op59827,g8g2702.5.00,,,10,1		ok	missing % solids

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SGS

SEMIVOLATILE by GC ANALYSIS LOG

Date: 12/03/24

Standard data

Lot#	Description	Concentration
sv24-2979-70a	Pest Mix	2.5ppb
sv24-2979-70b	Pest Mix	5ppb
sv23-2979-38b	ISTD	500ppb
sv25-2979-74	IB	20ppb (10x)
sv24-2979-72	PEM	50-250ppb (10x)

Standard data

Lot#	Description	Concentration
sv24-2979-95	tba solution	n/a
24060260	Hexane (Tedia)	n/a

Batch ID:G8G2702

Print Analyst Name: Kyra Conover

Columns:CLP1/CLP2

Method: 8081, 608

Initial Cal. Method: 8PSTLVI2596

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data file	OP Batch, Run ID, Vi,,,Vf, Dil.	SU	Status(data)	Comments

SGS

SEMIVOLATILE by GC ANALYSIS LOG

Date: 12/03/24

Standard data

Lot#	Description	Concentration
sv24-2979-70a	Pest Mix	2.5ppb
sv24-2979-70b	Pest Mix	5ppb
sv23-2979-38b	ISTD	500ppb
sv25- 2979-74	IB	20ppb (10x)
sv24-2979-72	PEM	50-250ppb (10x)

Standard data

Lot#	Description	Concentration
sv24-2979-95	tba solution	n/a
24060260	Hexane (Tedia)	n/a

Batch ID:G8G2702

Print Analyst Name: Kyra Conover

Columns:CLP1/CLP2

Method: 8081, 608

Initial Cal. Method: 8PSTLVI2596

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data file	OP Batch, Run ID, Vi,,,Vf, Dil.	SU	Status(data)	Comments

SGS

SEMIVOLATILE by GC ANALYSIS LOG

Date: 12/04/24

Standard data

Lot#	Description	Concentration
sv24-2979-70a	Pest Mix	2.5ppb
sv24-2979-70b	Pest Mix	5ppb
sv23-2979-38b	ISTD	500ppb
sv25-2979-74	IB	20ppb (10x)
sv24-2979-72	PEM	50-250ppb (10x)

Standard data

Lot#	Description	Concentration
sv24-2979-95	tba solution	n/a
24060260	Hexane (Tedia)	n/a

Batch ID:G8G2704

Print Analyst Name: Kyra Conover

Columns:CLP1/CLP2

Method: 8081, 608

Initial Cal. Method: 8PSTLVI2596

7.7.7

7

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data file	OP Batch, Run ID, Vi,,,Vf, Dil.	SU	Status(data)	Comments
100	rinse	8g62840	op59827,g8g2704,5.0,,,10,1			
100	rinse	8g62841	op59827,g8g2704,5.0,,,10,1			
100	rinse	8g62842	op59827,g8g2704,5.0,,,10,1			
1	ddt	8g62843	op59827,g8g2704,5.0,,,10,1		ok	
2	cc2596-2.5	8g62844	op59827,g8g2704,5.0,,,10,1			not using
3	ib	8g62845	op59827,g8g2704,5.0,,,10,1			not using
4	cc2596-5	8g62845a	op59827,g8g2704,5.0,,,10,1		ok	
3	ib	8g62846	op59827,g8g2704,5.0,,,10,1			
80	op59852-mb1 m	8g62847	op59852,g8g2704,5.0,,,10,1		ok	
81	op59852-bs1 m	8g62848	op59852,g8g2704,5.0,,,10,1		ok	
82	op59852-ms m	8g62849	op59852,g8g2704,5.2,,,10,1		ok	
83	op59852-msd m	8g62850	op59852,g8g2704,5.3,,,10,1		ok	
84	je1037-1 m	8g62851	op59852,g8g2704,5.0,,,10,1		ok	
85	je1037-3 m	8g62852	op59852,g8g2704,5.1,,,10,1		ok	
86	je1037-5 m	8g62853	op59852,g8g2704,5.1,,,10,1		ok	
87	je536-1 m	8g62854	op59852,g8g2704,5.1,,,10,1		ok	
88	je1296-13r m	8g62855	op59852,g8g2704,5.2,,,10,1		ok	
89	je1296-25r m	8g62856	op59852,g8g2704,5.2,,,10,1		ok	
90	je1296-37r m	8g62857	op59852,g8g2704,5.3,,,10,1		ok	
91	je1503-1 m	8g62858	op59852,g8g2704,5.4,,,10,1		ok	
92	je1503-5 m	8g62859	op59852,g8g2704,5.0,,,10,1		ok	
93	je1503-9 m	8g62860	op59852,g8g2704,5.0,,,10,1		ok	
94	je1369-13 m	8g62861	op59826,g8g2704,5.2,,,10,5		ok	
95	je1300-32r m	8g62862	op59833,g8g2704,5.1,,,10,5		ok	
96	je1359-11 m	8g62863	op59826,g8g2704,5.2,,,10,5		ok	
97	je1402-1 m	8g62864	op59827,g8g2704,5.0,,,10,5		ok	
98	je1402-3 m	8g62865	op59827,g8g2704,5.0,,,10,5		ok	
99	je1402-5 m	8g62866	op59827,g8g2704,5.2,,,10,5		ok	
101	je1455-1 m	8g62867	op59827,g8g2704,5.02,,,10,5		ok	
102	je1455-2 m	8g62868	op59827,g8g2704,5.05,,,10,5		ok	
103	je1455-3 m	8g62869	op59827,g8g2704,5.04,,,10,5		ok	
104	je1455-4 m	8g62870	op59827,g8g2704,5.00,,,10,5		ok	

Pest OP59833 5L

Pest / PCB Extraction Log - Soils

LOGBOOK ID:

Date Started: 12/02/24 Time Started: 14:40
Date Finished: 12/02/24 Time Finished: 21:30

Extract Method (CHECK OFF "√" /DO NOT CIRCLE):
Microwave SW3546_____ Sonication SW3550C _____
Waste Dilution SW3580A_____ Soxhlet SW3540 _____

BATCH # GC0P59823	RACK# 3E
Weighed by:	MH
Extracted by:	EB
Concentrated by:	
Final Vol. Top-up:	
Vialed by:	DF
Supervisor Review:	AC 12/2/24

Special Client Spike Instructions

QC ID# for Special Spike	Amt to Spike	Spike ID	Lot #	Conc.	Amt Spiked

WITNESS SIGN: SPIKE SIGN:

Manager/Supervisor/Team Lead Approval:

SPECIAL PROCESSING INSTRUCTIONS

Rx Reason:

Spiking:

Weights/Volumes:

Required MS/MSD:

Final Volume:

Other: HT: 12/05 Due: 11/27

	Sample #	3570 Analysis Type	Sample Description	Sample Wet Wt (g) Oil (g) Liq (mL)	Decant Y	Decant N	Sonicator ID	Microwave ID	Final Extract Color	Final Extract Vol (mL)	Extract Cleanup H2SO4	Florisil	Cu	KMnO4	Comment
	MB1	PCB	Na2SO4	5.0					clear	10	/		/		
	BS1		Na2SO4	5.0					clear	10	/		/		
	JE1296-1 MS		mud/rock	5.00					clear	10	/		/		
	1 MSD		mud/rock	5.03					clear	10	/		/		
	BS	Pest	Na2SO4	5.0					clear	10			/		
A	JE1300-9-2 MS		Soil	5.3					clear	10			/		
	1 MSD		Soil	5.2					clear	10			/		
1	JE1296-1	PCB	mud/rock	5.00					clear	10	/		/		
2	JE1244-1														A
3	JE896-1R		mud/rock	5.04					yellow	10	/		/		
4	-2R		mud/rock	5.01					clear	10	/		/		
5	-3R		mud/rock	5.04					yellow	10	/		/		
6	JE1394-21		mud/rock	5.04					yellow	10	/		/		
7	-22		mud/rock	5.04					clear	10	/		/		
8	-23		mud/rock	5.00					clear	10	/		/		
9	JE1300-9	Pest/PCB	Soil	5.3					clear	10	/		/		
10	-21		Soil	5.1					yellow	10	/		/		
11	-32		Soil	5.1					clear	10	/		/		
12	-44		Soil	5.1					yellow	10	/		/		
13	JE1334-1	PCB	pulverized	5.02					clear	10	/		/		
14	-2		pulverized	5.03					clear	10	/		/		
15	-3		pulverized	5.03					clear	10	/		/		
16	-4		pulverized	5.03					clear	10	/		/		
17	-5		pulverized	5.04					clear	10	/		/		
18	-6		pulverized	5.01					clear	10	/		/		
19	-7		pulverized	5.02					clear	10	/		/		
20	JE1300-10R	Pest	Soil	5.1					clear	10			/		

missing

Comments: QC Samples (MS, MSD, LINK and/or DUP, Link) Confirmed by:

Δ Sample put back to need, missing

Equipment/ Range	ID	Observed Temp (°C)	Correction Factor (°C)	Corrected Temp (°C)	Pressure/ Flowrate
Buchi (65-71°C)					
Buchi Chiller					
Waterbath (70-80°C)					
Waterbath Chiller (GPM)					
NEVAP (32-38°C, LPM)					
Balance	B104	N/A	N/A	N/A	N/A

SURROGATE	LOT #	CONC (ppb)	AMT (mL)
PPCB	SW24-2979-82A	400	0.1
PPCB LL			
WITNESS SIGN: RG		SPIKE SIGN: EB	

MATRIX SPIKE	LOT #	CONC	AMT (mL)
PEST	SW24-2979-10A	350	0.1
PEST LL			
PCB	SW24-2979-74A	2	0.1
PCB LL			
WITNESS SIGN: RG		SPIKE SIGN: EB	

SOLVENT	LOT #	BRAND	AMT (mL)
2:1 HEXANE/ ACETONE			
1:1 METH CHLOR/ ACETONE			
HEXANE	24090341	Tedia	10.0

REAGENT	LOT #	BAKE BATCH #	BRAND
HYDROMATRIX			
SODIUM SULFATE	467203	11-12-24	LSS
FILTER PAPER			
FLORISIL			
1:1 SULFURIC ACID	241142		Fisher
COPPER	240418S9	11-26-24	LSS
PERMANG(KMnO4)			
HYDROXYLAMINE			

MATRIX	LOT #	BAKE BATCH #	BRAND
SAND			
VIALS	23052080		Thermo

SGS
Form: OP018-11
Rev Date: 5/13/22

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LOGBOOK ID:

Pest / PCB Extraction Log - Soils

PCB OP59853 IF

Date Started: 12/3/24 Time Started: 20:00
Date Finished: 12/4/24 Time Finished: 01:05

Extract Method (CHECK OFF "√" /DO NOT CIRCLE):
Microwave SW3546_____ Sonication SW3550C _____
Waste Dilution SW3580A_____ Soxhlet SW3540 _____

BATCH # GC Pest OP59852	RACK# 2J
Weighed by:	AC
Extracted by:	AC
Concentrated by:	
Final Vol. Top-up:	
Vialed by:	AC
Supervisor Review:	AC 12/4/24

Special Client Spike Instructions

QC ID# for Special Spike	Amt to Spike	Spike ID	Lot #	Conc.	Amt. Spiked

WITNESS SIGN SPIKE SIGN

Manager/Supervisor/Team Lead Approval:

SPECIAL PROCESSING INSTRUCTIONS

Rx Reason:

Spiking:

Weights/Volumes:

Required MS/MSD:

Final Volume:

Other:

HT: 12/4
Due: 1112

	Sample #	3570 Analysis Type	Sample Bottle #	Sample Description	Sample Wet Wt (g) Oil (g) Liq (mL)	Decant Y	Decant N	Sonicator ID	Microwave ID	Final Extract Color	Final Extract Vol (mL)	Extract Cleanup H2SO4	Florisil	Cu	KMnO4	Comment
	MB1	Pest/PCB		Na2SO4	5.0					Clear	10	✓		✓		
	BS1	Pest		Na2SO4	5.0					Clear	10			✓		
	JE1037-1 MS		1	Soil	5.2					Yellow	10			✓		
	MSD		1	Soil	5.3					Yellow	10			✓		
	BS	PCB		Na2SO4	5.0					Clear	10	✓		✓		
	JE1037-3 MS		1	Soil	5.1					Clear	10	✓		✓		
	MSD		1	Soil	5.0					Clear	10	✓		✓		
1	JE1037-1	Pest/PCB	1	Soil	5.0					Yellow	10	✓		✓		
2	-3		1	Soil	5.1					Yellow	10	✓		✓		
3	-5		1	Soil	5.1					D.Yellow	10	✓		✓		
4	JE536-1	Pest	1	Soil	5.1					Clear	10			✓		
5	JE1296-13		1	Soil	5.2					D.Brown	10			✓		
6	-25		1	Soil	5.7					Clear	10			✓		
7	-37		1	Soil	5.3					Clear	10			✓		
8	JE1470-1	PCB	1	Soil	5.3					Clear	10	✓		✓		
9	-2		1	Soil	5.0					Clear	10	✓		✓		
10	JE1471-1		2	Soil	5.2					Clear	10	✓		✓		
11	-2		1	Soil	5.4					Clear	10	✓		✓		
12	JE1480-1															!
13	JE1479-9		1	Sand	5.2					Clear	10	✓		✓		
14	-19		1	Sand	5.0					Clear	10	✓		✓		
15	JE1503-1	Pest/PCB	1	Soil/Clay	5.4					Clear	10	✓		✓		
16	-3															x
17	-5		1	Soil	5.0					Clear	10	✓		✓		
18	-7															x
19	-9		1	Soil/Clay	5.0					Yellow	10	✓		✓		
20	-11															x

Comments: QC Samples (MS, MSD, LINK and/or DUP, Link) Confirmed by:

x sample bottle broken

!oil matrix

Equipment/ Range	ID	Observed Temp (°C)	Correction Factor (°C)	Corrected Temp (°C)	Pressure/ Flowrate
Buchi (65-71°C)					
Buchi Chiller					
Waterbath (70-80°C)					
Waterbath Chiller (GPM)					
NEVAP (32-38°C, LPM)					
Balance	B105	N/A	N/A	N/A	N/A

SURROGATE	LOT #	CONC (ppb)	AMT (mL)
PPCB	SV24-2979-92A	400	0.1
PPCB LL			
WITNESS SIGN VP		SPIKE SIGN AC	

MATRIX SPIKE	LOT #	CONC	AMT (mL)
PEST	SV24-2979-101A	250	0.1
PEST LL			
PCB	SV24-2979-74A	2ppm	0.1
PCB LL			
WITNESS SIGN VP		SPIKE SIGN AC	

SOLVENT	LOT #	BRAND	AMT (mL)
2:1 HEXANE/ ACETONE			
1:1 METH CHLOR/ ACETONE			
HEXANE	24090341	TEDIA	10.0

REAGENT	LOT #	BAKE BATCH #	BRAND
HYDROMATRIX			
SODIUM SULFATE	417203	11-21-24	LSS
FILTER PAPER			
FLORISIL			
1:1 SULFURIC ACID	241142		Fisher
COPPER	AD-24103	11-26-24	Ward's
PERMANG(KMnO4)			
HYDROXYLAMINE			

MATRIX	LOT #	BAKE BATCH #	BRAND
SAND			
VIALS	23082080		Thermo

SGS
Form: OP018-11
Rev Date: 5/13/22

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Percent Solids Raw Data Summary

Percent Solids Raw Data Summary

Job Number: JE1296R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: JE1296-1R **Analyzed:** 05-DEC-24 by AZ **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-26R

Wet Weight (Total)	23.33	g
Tare Weight	17.5	g
Dry Weight (Total)	23.07	g
Solids, Percent	95.5	%

Sample: JE1296-13R **Analyzed:** 05-DEC-24 by AZ **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-28R

Wet Weight (Total)	32.55	g
Tare Weight	26.16	g
Dry Weight (Total)	32.02	g
Solids, Percent	91.7	%

Sample: JE1296-25R **Analyzed:** 05-DEC-24 by AZ **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-16R

Wet Weight (Total)	33.63	g
Tare Weight	26	g
Dry Weight (Total)	33.13	g
Solids, Percent	93.4	%

Sample: JE1296-37R **Analyzed:** 05-DEC-24 by AZ **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-18R

Wet Weight (Total)	40.34	g
Tare Weight	32.92	g
Dry Weight (Total)	40.17	g
Solids, Percent	97.7	%

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Matrix New World Engineering, Inc.

Ridgewood Berm Sampling, Ridgewood, NJ

23-1429; PO#20243716

SGS Job Number: JE1300

Sampling Date: 11/22/24

Report to:

Matrix New World Engineering, Inc.
26 Columbia Turnpike
Florham Park, NJ 07932
mfeury@mnwe.com

ATTN: Melissa Feury

Total number of pages in report: **1069**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

Olga Azarian
Technical Director

Client Service contact: Tammy McCloskey 732-329-0200
Certifications: NJ(12129), NY(10983), CA, CO, CT, FL, HI, IL, IN, KY, LA (120428), MA, MD, ME, MN, NC, NH, NV, AK (UST-103), AZ (AZ0786), PA(68-00408), RI, SC, TX (T104704234), UT, VA, WA, WV

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SGS North America Inc.

Sample Summary

Matrix New World Engineering, Inc.

Job No: JE1300

Ridgewood Berm Sampling, Ridgewood, NJ
Project No: 23-1429; PO#20243716

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
This report contains results reported as ND = Not detected. The following applies: Organics ND = Not detected above the MDL							
JE1300-1	11/22/24	09:30	DC	11/22/24	SO	Soil	GRID-18-N1
JE1300-2	11/22/24	09:25	DC	11/22/24	SO	Soil	GRID-18-N2
JE1300-3	11/22/24	09:35	DC	11/22/24	SO	Soil	GRID-18-S1
JE1300-4	11/22/24	09:40	DC	11/22/24	SO	Soil	GRID-18-S2
JE1300-5	11/22/24	09:05	DC	11/22/24	SO	Soil	GRID-18-E1
JE1300-6	11/22/24	08:55	DC	11/22/24	SO	Soil	GRID-18-E2
JE1300-7	11/22/24	09:10	DC	11/22/24	SO	Soil	GRID-18-W1
JE1300-8	11/22/24	09:15	DC	11/22/24	SO	Soil	GRID-18-W2
JE1300-9	11/22/24	10:10	DC	11/22/24	SO	Soil	GRID-4R
JE1300-9T	11/22/24	10:10	DC	11/22/24	SO	Soil	GRID-4R
JE1300-10	11/22/24	10:15	DC	11/22/24	SO	Soil	GRID-4(2.0-2.5)
JE1300-11	11/22/24	10:20	DC	11/22/24	SO	Soil	GRID-4(2.5-3.0)

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

Matrix New World Engineering, Inc.

Job No: JE1300

Ridgewood Berm Sampling, Ridgewood, NJ
Project No: 23-1429; PO#20243716

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JE1300-12	11/22/24	10:40	DC	11/22/24	SO	Soil	GRID-4-N1
JE1300-13	11/22/24	10:33	DC	11/22/24	SO	Soil	GRID-4-N2
JE1300-14	11/22/24	10:55	DC	11/22/24	SO	Soil	GRID-4-S1
JE1300-15	11/22/24	11:00	DC	11/22/24	SO	Soil	GRID-4-S2
JE1300-16	11/22/24	10:25	DC	11/22/24	SO	Soil	GRID-4-E1
JE1300-17	11/22/24	10:30	DC	11/22/24	SO	Soil	GRID-4-E2
JE1300-18	11/22/24	10:45	DC	11/22/24	SO	Soil	GRID-4-W1
JE1300-19	11/22/24	10:50	DC	11/22/24	SO	Soil	GRID-4-W2
JE1300-20	11/22/24	10:27	DC	11/22/24	SO	Soil	DUP-3
JE1300-21	11/22/24	11:25	DC	11/22/24	SO	Soil	GRID-11R
JE1300-22	11/22/24	11:30	DC	11/22/24	SO	Soil	GRID-11(2.0-2.5)
JE1300-23	11/22/24	11:35	DC	11/22/24	SO	Soil	GRID-11(2.5-3.0)
JE1300-23A	11/22/24	11:35	DC	11/22/24	SO	Soil	GRID-11(2.5-3.0)

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

Matrix New World Engineering, Inc.

Job No: JE1300

Ridgewood Berm Sampling, Ridgewood, NJ
Project No: 23-1429; PO#20243716

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JE1300-24	11/22/24	12:00	DC	11/22/24	SO	Soil	GRID-11-N1
JE1300-25	11/22/24	12:05	DC	11/22/24	SO	Soil	GRID-11-N2
JE1300-25A	11/22/24	12:05	DC	11/22/24	SO	Soil	GRID-11-N2
JE1300-26	11/22/24	11:50	DC	11/22/24	SO	Soil	GRID-11-S1
JE1300-27	11/22/24	11:55	DC	11/22/24	SO	Soil	GRID-11-S2
JE1300-27A	11/22/24	11:55	DC	11/22/24	SO	Soil	GRID-11-S2
JE1300-28	11/22/24	12:10	DC	11/22/24	SO	Soil	GRID-11-E1
JE1300-29	11/22/24	12:20	DC	11/22/24	SO	Soil	GRID-11-E2
JE1300-30	11/22/24	11:40	DC	11/22/24	SO	Soil	GRID-11-W1
JE1300-31	11/22/24	11:45	DC	11/22/24	SO	Soil	GRID-11-W2
JE1300-32	11/22/24	12:45	DC	11/22/24	SO	Soil	GRID-10R
JE1300-33	11/22/24	12:50	DC	11/22/24	SO	Soil	GRID-10A(2.0-2.5)
JE1300-34	11/22/24	12:55	DC	11/22/24	SO	Soil	GRID-10A(2.5-3.0)

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

Matrix New World Engineering, Inc.

Job No: JE1300

Ridgewood Berm Sampling, Ridgewood, NJ
Project No: 23-1429; PO#20243716

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JE1300-35	11/22/24	13:05	DC	11/22/24	SO	Soil	GRID-10A-N1
JE1300-36	11/22/24	13:07	DC	11/22/24	SO	Soil	GRID-10A-N2
JE1300-36A	11/22/24	13:07	DC	11/22/24	SO	Soil	GRID-10A-N2
JE1300-37	11/22/24	12:57	DC	11/22/24	SO	Soil	GRID-10A-S1
JE1300-38	11/22/24	13:02	DC	11/22/24	SO	Soil	GRID-10A-S2
JE1300-38U	11/22/24	13:02	DC	11/22/24	SO	Soil	GRID-10A-S2
JE1300-39	11/22/24	13:15	DC	11/22/24	SO	Soil	GRID-10A-E1
JE1300-40	11/22/24	13:10	DC	11/22/24	SO	Soil	GRID-10A-E2
JE1300-41	11/22/24	13:20	DC	11/22/24	SO	Soil	GRID-10A-W1
JE1300-42	11/22/24	13:25	DC	11/22/24	SO	Soil	GRID-10A-W2
JE1300-43	11/22/24	13:00	DC	11/22/24	SO	Soil	DUP-5
JE1300-44	11/22/24	13:50	DC	11/22/24	SO	Soil	GRID-21R
JE1300-45	11/22/24	13:55	DC	11/22/24	SO	Soil	GRID-21(2.0-2.5)

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

Matrix New World Engineering, Inc.

Job No: JE1300

Ridgewood Berm Sampling, Ridgewood, NJ
Project No: 23-1429; PO#20243716

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JE1300-46	11/22/24	14:00	DC	11/22/24	SO	Soil	GRID-21(2.5-3.0)
JE1300-47	11/22/24	14:07	DC	11/22/24	SO	Soil	GRID-21-N1
JE1300-48	11/22/24	14:10	DC	11/22/24	SO	Soil	GRID-21-N2
JE1300-48A	11/22/24	14:10	DC	11/22/24	SO	Soil	GRID-21-N2
JE1300-49	11/22/24	14:02	DC	11/22/24	SO	Soil	GRID-21-E1
JE1300-50	11/22/24	14:05	DC	11/22/24	SO	Soil	GRID-21-E2
JE1300-51	11/22/24	14:45	DC	11/22/24	AQ	Field Blank Soil	FB-2

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Matrix New World Engineering, Inc.	**Job No:**	JE1300
Site:	Ridgewood Berm Sampling, Ridgewood, NJ	**Report Date**	1/9/2025 12:20:23 PM

On 11/22/2024, 50 sample(s), 0 Trip Blank(s), 0 Equip. Blank(s) and 1 Field Blank(s) were received at SGS North America Inc. (SGS) at a temperature of 1.7 °C. The samples were intact and properly preserved, unless noted below. An SGS Job Number of JE1300 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method SW846 8260D

Matrix: AQ **Batch ID:** V4A342

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE1219-1MS, JE1219-3DUP, JE1219-1MS were used as the QC samples indicated.
- The matrix spike (MS) recovery(s) of 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene are outside control limits. Outside control limits due to matrix interference.
- The duplicate RPD(s) for 1,2-Dichlorobenzene are outside control limits for sample JE1219-3DUP. RPD acceptable due to low DUP and sample concentrations.
- JE1300-51 for Dichlorodifluoromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JE1300-51 for Acetone: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JE1300-51 for Bromomethane: Associated CCV outside of control limits high, sample was ND.

MS Semi-volatiles By Method SW846 8270E

Matrix: AQ **Batch ID:** OP59781

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- The blank spike (BS) recovery(s) of Chrysene are outside control limits.
- JE1300-51 for 2,4-Dinitrophenol: Associated CCV outside of control limits high, sample was ND.
- JE1300-51 for 4,6-Dinitro-o-cresol: Associated CCV outside of control limits high, sample was ND.
- JE1300-51 for Chrysene: Associated Blank Spike outside control limits biased low. Unable to re-extract sample due to expired hold time.
- OP59781-BS1 for Chrysene: Outside control limits marginally low

Matrix: SO **Batch ID:** OP59832

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE1300-1MS, JE1300-1MSD were used as the QC samples indicated.

Matrix: SO **Batch ID:** OP59834

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- Sample(s) JE1300-23AMS, JE1300-23AMSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Matrix: SO **Batch ID:** OP59835

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- Sample(s) JE1300-45MS, JE1300-45MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

GC/LC Semi-volatiles By Method SW846 8081B

Matrix: AQ **Batch ID:** OP59787

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.

Matrix: SO **Batch ID:** OP59833

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE1300-9QMS, JE1300-9QMSD, OP59833-MSMSD were used as the QC samples indicated.
- The following samples were extracted outside of holding time for method SW846 8081B: JE1300-9T Sample extracted outside the holding time.
- The matrix spike (MS)/matrix spike duplicate (MSD) recovery(s) of 4,4'-DDE, alpha-Chlordane, Chlordane (alpha and gamma), Endosulfan-I are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- The matrix spike (MS)/matrix spike duplicate (MSD) recovery(s) of 4,4'-DDT, Endosulfan-I are outside control limits.
- The matrix spike duplicate (MSD) recovery(s) of gamma-Chlordane are outside control limits.
- JE1300-9T: Sample extracted outside the holding time.
- JE1300-9T for Decachlorobiphenyl: Outside of in house control limits.
- JE1300-9T for Aldrin: Associated CCV outside of control limits high, sample was ND.
- JE1300-9T for 4,4'-DDT: Associated CCV outside control limits biased high. Sample reanalyzed for confirmation with similar results.
- JE1300-9T for 4,4'-DDE: Associated CCV outside control limits biased high. Sample reanalyzed for confirmation with similar results.
- JE1300-9T for gamma-BHC (Lindane): Associated CCV outside of control limits high, sample was ND.
- JE1300-9T for delta-BHC: Associated CCV outside of control limits high, sample was ND.

GC/LC Semi-volatiles By Method SW846 8082A

Matrix: AQ **Batch ID:** OP59788

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE1428-8MS, OP59788-MSMSD, JE1428-8MS, JE1428-8MSD were used as the QC samples indicated.
- OP59788-BS1 for Aroclor 1016: Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.
- OP59788-BS1 for Aroclor 1260: Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.

Metals Analysis By Method SW846 6010D

Matrix: AQ **Batch ID:** MP51147

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE1240-2MS, JE1240-2MSD, JE1240-2SDL were used as the QC samples for the metals analysis.
- The serial dilution RPD(s) for Copper, Antimony, Cobalt, Nickel, Potassium, Silver are outside control limits for sample MP51147-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- MP51147-SD1 for Zinc: Serial dilution indicates possible matrix interference.
- MP51147-MB1 for Copper: All reported results >10x MB value or with RL> 2X of this value.

Metals Analysis By Method SW846 7470A

Matrix:	AQ	Batch ID:	MP51190

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE1208-1MS, JE1208-1MSD were used as the QC samples for the metals analysis.

Metals Analysis By Method SW846 7471B

Matrix:	SO	Batch ID:	MP51193

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE1272-1MS, JE1272-1MSD were used as the QC samples for the metals analysis.

Matrix:	SO	Batch ID:	MP51194

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE1300-41PS, JE1300-41MSD were used as the QC samples for the metals analysis.
- The matrix spike (MS) recovery(s) of Mercury are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- The RPD(s) for the MS and MSD recoveries of Mercury are outside control limits for sample MP51194-S2. High rpd due to possible sample nonhomogeneity.

Matrix:	SO	Batch ID:	MP51638

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE2393-3MS, JE2393-3MSD were used as the QC samples for the metals analysis.

General Chemistry By Method EPA 335.4/LACHAT

Matrix:	AQ	Batch ID:	GP58071

- All samples were prepared within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) LB8853-1MS, LB8853-1DUP were used as the QC samples for the Cyanide analysis.
- The matrix spike (MS) recovery(s) of Cyanide are outside control limits. Probable cause due to matrix interference.
- The duplicate RPD(s) for Cyanide are outside control limits for sample GP58071-D1. RPD acceptable due to low duplicate and sample concentrations.

General Chemistry By Method SM2540 G 18TH ED MOD

Matrix:	SO	Batch ID:	GN62655

- Sample(s) JE1300-1DUP were used as the QC samples for the Solids, Percent analysis.

Matrix:	SO	Batch ID:	GN62656

- Sample(s) JE1300-21DUP were used as the QC samples for the Solids, Percent analysis.

Matrix:	SO	Batch ID:	GN62657

- Sample(s) JE737-1DUP were used as the QC samples for the Solids, Percent analysis.

SGS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting SGS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by SGS indicated via signature on the report cover.

Summary of Hits

Job Number: JE1300
Account: Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Collected: 11/22/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JE1300-1	**GRID-18-N1**					
No hits reported in this sample.						
JE1300-2	**GRID-18-N2**					
No hits reported in this sample.						
JE1300-3	**GRID-18-S1**					
No hits reported in this sample.						
JE1300-4	**GRID-18-S2**					
No hits reported in this sample.						
JE1300-5	**GRID-18-E1**					
No hits reported in this sample.						
JE1300-6	**GRID-18-E2**					
No hits reported in this sample.						
JE1300-7	**GRID-18-W1**					
No hits reported in this sample.						
JE1300-8	**GRID-18-W2**					
No hits reported in this sample.						
JE1300-9	**GRID-4R**					
No hits reported in this sample.						
JE1300-9T	**GRID-4R**					
alpha-Chlordane [a]		0.0775	0.0021	0.00029	mg/kg	SW846 8081B
gamma-Chlordane		0.0047	0.00042	0.000063	mg/kg	SW846 8081B
Chlordane (alpha and gamma) [a]		0.0822	0.0021	0.00029	mg/kg	SW846 8081B
4,4'-DDD		0.00066	0.00042	0.000044	mg/kg	SW846 8081B
4,4'-DDE [b]		0.0177	0.00042	0.000051	mg/kg	SW846 8081B
4,4'-DDT [b]		0.0079	0.00042	0.000074	mg/kg	SW846 8081B
Endrin		0.0016	0.00042	0.000061	mg/kg	SW846 8081B

Summary of Hits

Job Number: JE1300
Account: Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Collected: 11/22/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Heptachlor		0.00012 J	0.00042	0.000055	mg/kg	SW846 8081B
Heptachlor epoxide [a]		0.0799	0.0021	0.00038	mg/kg	SW846 8081B
Methoxychlor		0.0016	0.00042	0.00017	mg/kg	SW846 8081B
JE1300-10	**GRID-4(2.0-2.5)**					
No hits reported in this sample.						
JE1300-11	**GRID-4(2.5-3.0)**					
No hits reported in this sample.						
JE1300-12	**GRID-4-N1**					
Benzo(a)pyrene		0.0329 J	0.037	0.017	mg/kg	SW846 8270E
JE1300-13	**GRID-4-N2**					
No hits reported in this sample.						
JE1300-14	**GRID-4-S1**					
Benzo(a)pyrene		0.0667	0.035	0.016	mg/kg	SW846 8270E
JE1300-15	**GRID-4-S2**					
No hits reported in this sample.						
JE1300-16	**GRID-4-E1**					
Benzo(a)pyrene		0.0392	0.035	0.016	mg/kg	SW846 8270E
JE1300-17	**GRID-4-E2**					
No hits reported in this sample.						
JE1300-18	**GRID-4-W1**					
Benzo(a)pyrene		0.213	0.037	0.017	mg/kg	SW846 8270E
JE1300-19	**GRID-4-W2**					
No hits reported in this sample.						

Summary of Hits

Job Number: JE1300
Account: Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Collected: 11/22/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JE1300-20	**DUP-3**					
Benzo(a)pyrene		0.0834	0.034	0.016	mg/kg	SW846 8270E
JE1300-21	**GRID-11R**					
No hits reported in this sample.						
JE1300-22	**GRID-11(2.0-2.5)**					
Benzo(a)pyrene		0.804	0.035	0.016	mg/kg	SW846 8270E
JE1300-23	**GRID-11(2.5-3.0)**					
No hits reported in this sample.						
JE1300-23A	**GRID-11(2.5-3.0)**					
Benzo(a)pyrene		0.251	0.035	0.016	mg/kg	SW846 8270E
JE1300-24	**GRID-11-N1**					
Benzo(a)pyrene		0.890	0.035	0.016	mg/kg	SW846 8270E
JE1300-25	**GRID-11-N2**					
No hits reported in this sample.						
JE1300-25A	**GRID-11-N2**					
Benzo(a)pyrene		0.387	0.035	0.016	mg/kg	SW846 8270E
JE1300-26	**GRID-11-S1**					
Benzo(a)pyrene		0.561	0.034	0.016	mg/kg	SW846 8270E
JE1300-27	**GRID-11-S2**					
No hits reported in this sample.						
JE1300-27A	**GRID-11-S2**					
Benzo(a)pyrene		1.03	0.036	0.016	mg/kg	SW846 8270E

Summary of Hits

Job Number: JE1300
Account: Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Collected: 11/22/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JE1300-28	**GRID-11-E1**					
Benzo(a)pyrene		0.458	0.036	0.016	mg/kg	SW846 8270E
JE1300-29	**GRID-11-E2**					
No hits reported in this sample.						
JE1300-30	**GRID-11-W1**					
Benzo(a)pyrene		0.489	0.035	0.016	mg/kg	SW846 8270E
JE1300-31	**GRID-11-W2**					
No hits reported in this sample.						
JE1300-32	**GRID-10R**					
No hits reported in this sample.						
JE1300-33	**GRID-10A(2.0-2.5)**					
Benzo(a)pyrene		0.0511	0.039	0.018	mg/kg	SW846 8270E
Mercury		0.19	0.033		mg/kg	SW846 7471B
JE1300-34	**GRID-10A(2.5-3.0)**					
No hits reported in this sample.						
JE1300-35	**GRID-10A-N1**					
Benzo(a)pyrene		0.939	0.036	0.016	mg/kg	SW846 8270E
Mercury		0.053	0.027		mg/kg	SW846 7471B
JE1300-36	**GRID-10A-N2**					
No hits reported in this sample.						
JE1300-36A	**GRID-10A-N2**					
Benzo(a)pyrene		0.822	0.036	0.016	mg/kg	SW846 8270E
JE1300-37	**GRID-10A-S1**					
Benzo(a)pyrene		0.0995	0.039	0.018	mg/kg	SW846 8270E

Summary of Hits

Job Number: JE1300
Account: Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Collected: 11/22/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Mercury		0.31	0.035		mg/kg	SW846 7471B
JE1300-38	**GRID-10A-S2**					
No hits reported in this sample.						
JE1300-38U	**GRID-10A-S2**					
Mercury		0.98	0.067		mg/kg	SW846 7471B
JE1300-39	**GRID-10A-E1**					
Benzo(a)pyrene		0.165	0.035	0.016	mg/kg	SW846 8270E
Mercury		0.17	0.027		mg/kg	SW846 7471B
JE1300-40	**GRID-10A-E2**					
No hits reported in this sample.						
JE1300-41	**GRID-10A-W1**					
Benzo(a)pyrene		0.196	0.036	0.016	mg/kg	SW846 8270E
Mercury		0.17	0.032		mg/kg	SW846 7471B
JE1300-42	**GRID-10A-W2**					
No hits reported in this sample.						
JE1300-43	**DUP-5**					
Benzo(a)pyrene		0.148	0.038	0.017	mg/kg	SW846 8270E
Mercury		0.24	0.032		mg/kg	SW846 7471B
JE1300-44	**GRID-21R**					
No hits reported in this sample.						
JE1300-45	**GRID-21(2.0-2.5)**					
Benzo(a)pyrene		0.283	0.036	0.016	mg/kg	SW846 8270E
JE1300-46	**GRID-21(2.5-3.0)**					
No hits reported in this sample.						

Summary of Hits

Job Number: JE1300
Account: Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Collected: 11/22/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JE1300-47	**GRID-21-N1**					
Benzo(a)pyrene		0.586	0.036	0.016	mg/kg	SW846 8270E
JE1300-48	**GRID-21-N2**					
No hits reported in this sample.						
JE1300-48A	**GRID-21-N2**					
Benzo(a)pyrene		1.06	0.035	0.016	mg/kg	SW846 8270E
JE1300-49	**GRID-21-E1**					
Benzo(a)pyrene		0.406	0.036	0.016	mg/kg	SW846 8270E
JE1300-50	**GRID-21-E2**					
No hits reported in this sample.						
JE1300-51	**FB-2**					
Total TIC, Semi-Volatile		4.7 J			ug/l	

(a) Sample extracted outside the holding time.
(b) Associated CCV outside control limits biased high. Sample reanalyzed for confirmation with similar results.

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Client Sample ID: GRID-18-N1
Lab Sample ID: JE1300-1
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/22/24
Date Received: 11/22/24
Percent Solids: 94.9

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P163393.D	1	12/05/24 01:03	AO	12/04/24 11:00	OP59832	EP7624
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
56-55-3	Benzo(a)anthracene	ND	0.035	0.0099	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.035	0.016	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	68%		10-109%
321-60-8	2-Fluorobiphenyl	70%		11-109%
1718-51-0	Terphenyl-d14	68%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GRID-18-N2		
Lab Sample ID:	JE1300-2	**Date Sampled:**	11/22/24
Matrix:	SO - Soil	**Date Received:**	11/22/24
		Percent Solids:	95.9
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	95.9		%	1	12/01/24 15:37	MS	SM2540 G 18TH ED MOD

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID: GRID-18-S1
Lab Sample ID: JE1300-3
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/22/24
Date Received: 11/22/24
Percent Solids: 89.0

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P163394.D	1	12/05/24 01:28	AO	12/04/24 11:00	OP59832	EP7624
Run #2							

	Initial Weight	Final Volume
Run #1	30.8 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
56-55-3	Benzo(a)anthracene	ND	0.036	0.010	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.036	0.017	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	55%		10-109%
321-60-8	2-Fluorobiphenyl	56%		11-109%
1718-51-0	Terphenyl-d14	56%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GRID-18-S2		
Lab Sample ID:	JE1300-4	**Date Sampled:**	11/22/24
Matrix:	SO - Soil	**Date Received:**	11/22/24
		Percent Solids:	94.1
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	94.1		%	1	12/01/24 15:37	MS	SM2540 G 18TH ED MOD

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID: GRID-18-E1
Lab Sample ID: JE1300-5
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/22/24
Date Received: 11/22/24
Percent Solids: 96.0

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P163395.D	1	12/05/24 01:53	AO	12/04/24 11:00	OP59832	EP7624
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
56-55-3	Benzo(a)anthracene	ND	0.034	0.0097	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.034	0.016	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	68%		10-109%
321-60-8	2-Fluorobiphenyl	66%		11-109%
1718-51-0	Terphenyl-d14	71%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GRID-18-E2		
Lab Sample ID:	JE1300-6	**Date Sampled:**	11/22/24
Matrix:	SO - Soil	**Date Received:**	11/22/24
		Percent Solids:	91.6
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	91.6		%	1	12/01/24 15:37	MS	SM2540 G 18TH ED MOD

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID: GRID-18-W1
Lab Sample ID: JE1300-7
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/22/24
Date Received: 11/22/24
Percent Solids: 89.5

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4P694094.D	1	12/04/24 17:26	AO	12/04/24 11:00	OP59832	E4P3701
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
56-55-3	Benzo(a)anthracene	ND	0.037	0.010	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.037	0.017	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	64%		10-109%
321-60-8	2-Fluorobiphenyl	70%		11-109%
1718-51-0	Terphenyl-d14	79%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GRID-18-W2		
Lab Sample ID:	JE1300-8	**Date Sampled:**	11/22/24
Matrix:	SO - Soil	**Date Received:**	11/22/24
		Percent Solids:	90.8
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	90.8		%	1	12/01/24 15:37	MS	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	GRID-4R		
Lab Sample ID:	JE1300-9	**Date Sampled:**	11/22/24
Matrix:	SO - Soil	**Date Received:**	11/22/24
		Percent Solids:	89.2
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	89.2		%	1	12/01/24 15:37	MS	SM2540 G 18TH ED MOD

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	GRID-4R		
Lab Sample ID:	JE1300-9T	**Date Sampled:**	11/22/24
Matrix:	SO - Soil	**Date Received:**	11/22/24
Method:	SW846 8081B SW846 3570	**Percent Solids:**	89.2
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8G62776.D	1	12/03/24 05:55	CP	12/02/24 16:40	OP59833	G8G2700
Run #2 [a]	4G9742524.D	5	12/26/24 17:46	KC	12/09/24 16:40	OP59833	G4G4540

	Initial Weight	Final Volume
Run #1	5.3 g	10.0 ml
Run #2	5.3 g	10.0 ml

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin [b]	ND	0.00042	0.000082	mg/kg	
319-84-6	alpha-BHC	ND	0.00042	0.000049	mg/kg	
319-85-7	beta-BHC	ND	0.00042	0.000061	mg/kg	
319-86-8	delta-BHC [b]	ND	0.00042	0.000063	mg/kg	
58-89-9	gamma-BHC (Lindane) [b]	ND	0.00042	0.000074	mg/kg	
5103-71-9	alpha-Chlordane	0.0775 [c]	0.0021	0.00029	mg/kg	
5103-74-2	gamma-Chlordane	0.0047	0.00042	0.000063	mg/kg	
57-74-9	Chlordane (alpha and gamma)	0.0822 [c]	0.0021	0.00029	mg/kg	
60-57-1	Dieldrin	ND	0.00042	0.000068	mg/kg	
72-54-8	4,4'-DDD	0.00066	0.00042	0.000044	mg/kg	
72-55-9	4,4'-DDE [d]	0.0177	0.00042	0.000051	mg/kg	
50-29-3	4,4'-DDT [d]	0.0079	0.00042	0.000074	mg/kg	
72-20-8	Endrin	0.0016	0.00042	0.000061	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.00042	0.000051	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00042	0.00012	mg/kg	
959-98-8	Endosulfan-I	ND	0.00042	0.000057	mg/kg	
33213-65-9	Endosulfan-II	ND	0.00042	0.000059	mg/kg	
76-44-8	Heptachlor	0.00012	0.00042	0.000055	mg/kg	J
1024-57-3	Heptachlor epoxide	0.0799 [c]	0.0021	0.00038	mg/kg	
72-43-5	Methoxychlor	0.0016	0.00042	0.00017	mg/kg	
53494-70-5	Endrin ketone	ND	0.00042	0.000068	mg/kg	
8001-35-2	Toxaphene	ND	0.0053	0.0035	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	95%	193% [e]	46-145%
877-09-8	Tetrachloro-m-xylene	92%	197% [e]	46-145%
2051-24-3	Decachlorobiphenyl	100%	108%	29-163%
2051-24-3	Decachlorobiphenyl	132%	237% [e]	29-163%

(a) Sample extracted outside the holding time.
(b) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GRID-4R		
Lab Sample ID:	JE1300-9T	**Date Sampled:**	11/22/24
Matrix:	SO - Soil	**Date Received:**	11/22/24
Method:	SW846 8081B SW846 3570	**Percent Solids:**	89.2
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q

(c) Result is from Run# 2
(d) Associated CCV outside control limits biased high. Sample reanalyzed for confirmation with similar results.
(e) Outside of in house control limits.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: GRID-4(2.0-2.5)
Lab Sample ID: JE1300-10
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/22/24
Date Received: 11/22/24
Percent Solids: 96.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4P694095.D	1	12/04/24 17:50	AO	12/04/24 11:00	OP59832	E4P3701
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
50-32-8	Benzo(a)pyrene	ND	0.034	0.015	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	56%		10-109%
321-60-8	2-Fluorobiphenyl	65%		11-109%
1718-51-0	Terphenyl-d14	80%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GRID-4(2.5-3.0)		
Lab Sample ID:	JE1300-11	**Date Sampled:**	11/22/24
Matrix:	SO - Soil	**Date Received:**	11/22/24
		Percent Solids:	97.8
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	97.8		%	1	12/01/24 15:37	MS	SM2540 G 18TH ED MOD

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID: GRID-4-N1
Lab Sample ID: JE1300-12
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/22/24
Date Received: 11/22/24
Percent Solids: 88.6

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4P694096.D	1	12/04/24 18:15	AO	12/04/24 11:00	OP59832	E4P3701
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
50-32-8	Benzo(a)pyrene	0.0329	0.037	0.017	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	62%		10-109%
321-60-8	2-Fluorobiphenyl	68%		11-109%
1718-51-0	Terphenyl-d14	73%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GRID-4-N2		
Lab Sample ID:	JE1300-13	**Date Sampled:**	11/22/24
Matrix:	SO - Soil	**Date Received:**	11/22/24
		Percent Solids:	82.4
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	82.4		%	1	12/01/24 15:37	MS	SM2540 G 18TH ED MOD

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID: GRID-4-S1
Lab Sample ID: JE1300-14
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/22/24
Date Received: 11/22/24
Percent Solids: 93.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4P694097.D	1	12/04/24 18:39	AO	12/04/24 11:00	OP59832	E4P3701
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
50-32-8	Benzo(a)pyrene	0.0667	0.035	0.016	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	67%		10-109%
321-60-8	2-Fluorobiphenyl	75%		11-109%
1718-51-0	Terphenyl-d14	83%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GRID-4-S2		
Lab Sample ID:	JE1300-15	**Date Sampled:**	11/22/24
Matrix:	SO - Soil	**Date Received:**	11/22/24
		Percent Solids:	94.5
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	94.5		%	1	12/01/24 15:37	MS	SM2540 G 18TH ED MOD

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID: GRID-4-E1
Lab Sample ID: JE1300-16
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/22/24
Date Received: 11/22/24
Percent Solids: 93.5

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4P694098.D	1	12/04/24 19:02	AO	12/04/24 11:00	OP59832	E4P3701
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
50-32-8	Benzo(a)pyrene	0.0392	0.035	0.016	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	30%		10-109%
321-60-8	2-Fluorobiphenyl	40%		11-109%
1718-51-0	Terphenyl-d14	42%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GRID-4-E2		
Lab Sample ID:	JE1300-17	**Date Sampled:**	11/22/24
Matrix:	SO - Soil	**Date Received:**	11/22/24
		Percent Solids:	90.9
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	90.9		%	1	12/01/24 15:37	MS	SM2540 G 18TH ED MOD

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID: GRID-4-W1
Lab Sample ID: JE1300-18
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/22/24
Date Received: 11/22/24
Percent Solids: 87.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4P694099.D	1	12/04/24 19:26	AO	12/04/24 11:00	OP59832	E4P3701
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
50-32-8	Benzo(a)pyrene	0.213	0.037	0.017	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	57%		10-109%
321-60-8	2-Fluorobiphenyl	63%		11-109%
1718-51-0	Terphenyl-d14	63%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GRID-4-W2		
Lab Sample ID:	JE1300-19	**Date Sampled:**	11/22/24
Matrix:	SO - Soil	**Date Received:**	11/22/24
		Percent Solids:	86.6
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	86.6		%	1	12/01/24 15:37	MS	SM2540 G 18TH ED MOD

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID: DUP-3
Lab Sample ID: JE1300-20
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/22/24
Date Received: 11/22/24
Percent Solids: 94.5

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4P694100.D	1	12/04/24 19:50	AO	12/04/24 11:00	OP59832	E4P3701
Run #2							

	Initial Weight	Final Volume
Run #1	30.8 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
50-32-8	Benzo(a)pyrene	0.0834	0.034	0.016	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	58%		10-109%
321-60-8	2-Fluorobiphenyl	63%		11-109%
1718-51-0	Terphenyl-d14	66%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GRID-11R		
Lab Sample ID:	JE1300-21	**Date Sampled:**	11/22/24
Matrix:	SO - Soil	**Date Received:**	11/22/24
		Percent Solids:	95.0
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	95		%	1	12/01/24 15:59	MS	SM2540 G 18TH ED MOD

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	GRID-11(2.0-2.5)		
Lab Sample ID:	JE1300-22	**Date Sampled:**	11/22/24
Matrix:	SO - Soil	**Date Received:**	11/22/24
Method:	SW846 8270E SW846 3546	**Percent Solids:**	94.8
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4P694101.D	1	12/04/24 20:15	AO	12/04/24 11:00	OP59832	E4P3701
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
50-32-8	Benzo(a)pyrene	0.804	0.035	0.016	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	61%		10-109%
321-60-8	2-Fluorobiphenyl	69%		11-109%
1718-51-0	Terphenyl-d14	62%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GRID-11(2.5-3.0)		
Lab Sample ID:	JE1300-23	**Date Sampled:**	11/22/24
Matrix:	SO - Soil	**Date Received:**	11/22/24
		Percent Solids:	92.4
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	92.4		%	1	12/01/24 15:59	MS	SM2540 G 18TH ED MOD

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	GRID-11(2.5-3.0)		
Lab Sample ID:	JE1300-23A	**Date Sampled:**	11/22/24
Matrix:	SO - Soil	**Date Received:**	11/22/24
Method:	SW846 8270E SW846 3546	**Percent Solids:**	92.4
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4P694250.D	1	12/10/24 19:02	KH	12/04/24 11:00	OP59834	E4P3706
Run #2							

	Initial Weight	Final Volume
Run #1	30.9 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
50-32-8	Benzo(a)pyrene	0.251	0.035	0.016	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	51%		10-109%
321-60-8	2-Fluorobiphenyl	55%		11-109%
1718-51-0	Terphenyl-d14	51%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	GRID-11-N1		
Lab Sample ID:	JE1300-24	**Date Sampled:**	11/22/24
Matrix:	SO - Soil	**Date Received:**	11/22/24
Method:	SW846 8270E SW846 3546	**Percent Solids:**	93.6
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P163381.D	1	12/04/24 20:02	AO	12/04/24 11:00	OP59834	EP7624
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
50-32-8	Benzo(a)pyrene	0.890	0.035	0.016	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	66%		10-109%
321-60-8	2-Fluorobiphenyl	65%		11-109%
1718-51-0	Terphenyl-d14	65%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GRID-11-N2		
Lab Sample ID:	JE1300-25	**Date Sampled:**	11/22/24
Matrix:	SO - Soil	**Date Received:**	11/22/24
		Percent Solids:	93.7
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	93.7		%	1	12/01/24 15:59	MS	SM2540 G 18TH ED MOD

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID: GRID-11-N2
Lab Sample ID: JE1300-25A
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/22/24
Date Received: 11/22/24
Percent Solids: 93.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4P694251.D	1	12/10/24 19:26	KH	12/04/24 11:00	OP59834	E4P3706
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
50-32-8	Benzo(a)pyrene	0.387	0.035	0.016	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	51%		10-109%
321-60-8	2-Fluorobiphenyl	55%		11-109%
1718-51-0	Terphenyl-d14	49%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: GRID-11-S1
Lab Sample ID: JE1300-26
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/22/24
Date Received: 11/22/24
Percent Solids: 94.1

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P163382.D	1	12/04/24 20:27	AO	12/04/24 11:00	OP59834	EP7624
Run #2							

	Initial Weight	Final Volume
Run #1	30.9 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
50-32-8	Benzo(a)pyrene	0.561	0.034	0.016	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	57%		10-109%
321-60-8	2-Fluorobiphenyl	58%		11-109%
1718-51-0	Terphenyl-d14	58%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GRID-11-S2		
Lab Sample ID:	JE1300-27	**Date Sampled:**	11/22/24
Matrix:	SO - Soil	**Date Received:**	11/22/24
		Percent Solids:	91.7
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	91.7		%	1	12/01/24 15:59	MS	SM2540 G 18TH ED MOD

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	GRID-11-S2		
Lab Sample ID:	JE1300-27A	**Date Sampled:**	11/22/24
Matrix:	SO - Soil	**Date Received:**	11/22/24
Method:	SW846 8270E SW846 3546	**Percent Solids:**	91.7
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4P694252.D	1	12/10/24 19:50	KH	12/04/24 11:00	OP59834	E4P3706
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
50-32-8	Benzo(a)pyrene	1.03	0.036	0.016	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	65%		10-109%
321-60-8	2-Fluorobiphenyl	69%		11-109%
1718-51-0	Terphenyl-d14	60%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	GRID-11-E1		
Lab Sample ID:	JE1300-28	**Date Sampled:**	11/22/24
Matrix:	SO - Soil	**Date Received:**	11/22/24
Method:	SW846 8270E SW846 3546	**Percent Solids:**	93.5
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P163383.D	1	12/04/24 20:52	AO	12/04/24 11:00	OP59834	EP7624
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
50-32-8	Benzo(a)pyrene	0.458	0.036	0.016	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	50%		10-109%
321-60-8	2-Fluorobiphenyl	49%		11-109%
1718-51-0	Terphenyl-d14	45%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GRID-11-E2		
Lab Sample ID:	JE1300-29	**Date Sampled:**	11/22/24
Matrix:	SO - Soil	**Date Received:**	11/22/24
		Percent Solids:	93.1
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	93.1		%	1	12/01/24 15:59	MS	SM2540 G 18TH ED MOD

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID: GRID-11-W1
Lab Sample ID: JE1300-30
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/22/24
Date Received: 11/22/24
Percent Solids: 93.3

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P163384.D	1	12/04/24 21:17	AO	12/04/24 11:00	OP59834	EP7624
Run #2							

	Initial Weight	Final Volume
Run #1	30.9 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
50-32-8	Benzo(a)pyrene	0.489	0.035	0.016	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	81%		10-109%
321-60-8	2-Fluorobiphenyl	79%		11-109%
1718-51-0	Terphenyl-d14	78%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GRID-11-W2		
Lab Sample ID:	JE1300-31	**Date Sampled:**	11/22/24
Matrix:	SO - Soil	**Date Received:**	11/22/24
		Percent Solids:	92.6
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	92.6		%	1	12/01/24 15:59	MS	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	GRID-10R		
Lab Sample ID:	JE1300-32	**Date Sampled:**	11/22/24
Matrix:	SO - Soil	**Date Received:**	11/22/24
		Percent Solids:	91.5
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	91.5		%	1	12/01/24 15:59	MS	SM2540 G 18TH ED MOD

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID: GRID-10A(2.0-2.5)
Lab Sample ID: JE1300-33
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/22/24
Date Received: 11/22/24
Percent Solids: 86.3

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P163385.D	1	12/04/24 21:42	AO	12/04/24 11:00	OP59834	EP7624
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
50-32-8	Benzo(a)pyrene	0.0511	0.039	0.018	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	62%		10-109%
321-60-8	2-Fluorobiphenyl	61%		11-109%
1718-51-0	Terphenyl-d14	65%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GRID-10A(2.0-2.5)		
Lab Sample ID:	JE1300-33	**Date Sampled:**	11/22/24
Matrix:	SO - Soil	**Date Received:**	11/22/24
		Percent Solids:	86.3
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Mercury	0.19	0.033	mg/kg	1	11/26/24	11/27/24	MK	SW846 7471B [1]	SW846 7471B [2]

(1) Instrument QC Batch: MA57387
(2) Prep QC Batch: MP51193

RL = Reporting Limit

Report of Analysis

Client Sample ID:	GRID-10A(2.5-3.0)		
Lab Sample ID:	JE1300-34	**Date Sampled:**	11/22/24
Matrix:	SO - Soil	**Date Received:**	11/22/24
		Percent Solids:	85.1
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	85.1		%	1	12/01/24 15:59	MS	SM2540 G 18TH ED MOD

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID: GRID-10A-N1
Lab Sample ID: JE1300-35
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/22/24
Date Received: 11/22/24
Percent Solids: 92.6

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P163386.D	1	12/04/24 22:07	AO	12/04/24 11:00	OP59834	EP7624
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
50-32-8	Benzo(a)pyrene	0.939	0.036	0.016	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	65%		10-109%
321-60-8	2-Fluorobiphenyl	61%		11-109%
1718-51-0	Terphenyl-d14	57%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GRID-10A-N1		
Lab Sample ID:	JE1300-35	**Date Sampled:**	11/22/24
Matrix:	SO - Soil	**Date Received:**	11/22/24
		Percent Solids:	92.6
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Mercury	0.053	0.027	mg/kg	1	11/26/24	11/27/24	MK	SW846 7471B [1]	SW846 7471B [2]

(1) Instrument QC Batch: MA57387
(2) Prep QC Batch: MP51193

RL = Reporting Limit

Report of Analysis

Client Sample ID:	GRID-10A-N2		
Lab Sample ID:	JE1300-36	**Date Sampled:**	11/22/24
Matrix:	SO - Soil	**Date Received:**	11/22/24
		Percent Solids:	92.7
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	92.7		%	1	12/01/24 15:59	MS	SM2540 G 18TH ED MOD

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID: GRID-10A-N2
Lab Sample ID: JE1300-36A
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/22/24
Date Received: 11/22/24
Percent Solids: 92.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4P694253.D	1	12/10/24 20:14	KH	12/04/24 11:00	OP59834	E4P3706
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
50-32-8	Benzo(a)pyrene	0.822	0.036	0.016	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	60%		10-109%
321-60-8	2-Fluorobiphenyl	69%		11-109%
1718-51-0	Terphenyl-d14	58%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	GRID-10A-S1		
Lab Sample ID:	JE1300-37	**Date Sampled:**	11/22/24
Matrix:	SO - Soil	**Date Received:**	11/22/24
Method:	SW846 8270E SW846 3546	**Percent Solids:**	85.1
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P163387.D	1	12/04/24 22:32	AO	12/04/24 11:00	OP59834	EP7624
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
50-32-8	Benzo(a)pyrene	0.0995	0.039	0.018	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	55%		10-109%
321-60-8	2-Fluorobiphenyl	56%		11-109%
1718-51-0	Terphenyl-d14	59%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GRID-10A-S1		
Lab Sample ID:	JE1300-37	**Date Sampled:**	11/22/24
Matrix:	SO - Soil	**Date Received:**	11/22/24
		Percent Solids:	85.1
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Mercury	0.31	0.035	mg/kg	1	11/26/24	11/27/24	MK	SW846 7471B [1]	SW846 7471B [2]

(1) Instrument QC Batch: MA57387
(2) Prep QC Batch: MP51193

RL = Reporting Limit

Report of Analysis

Client Sample ID:	GRID-10A-S2		
Lab Sample ID:	JE1300-38	**Date Sampled:**	11/22/24
Matrix:	SO - Soil	**Date Received:**	11/22/24
		Percent Solids:	82.1
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	82.1		%	1	12/01/24 15:59	MS	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	GRID-10A-S2		
Lab Sample ID:	JE1300-38U	**Date Sampled:**	11/22/24
Matrix:	SO - Soil	**Date Received:**	11/22/24
		Percent Solids:	82.1
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Mercury	0.98	0.067	mg/kg	2	12/13/24	12/16/24	MK	SW846 7471B [1]	SW846 7471B [2]

(1) Instrument QC Batch: MA57503
(2) Prep QC Batch: MP51638

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	GRID-10A-E1		
Lab Sample ID:	JE1300-39	**Date Sampled:**	11/22/24
Matrix:	SO - Soil	**Date Received:**	11/22/24
Method:	SW846 8270E SW846 3546	**Percent Solids:**	92.9
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P163388.D	1	12/04/24 22:57	AO	12/04/24 11:00	OP59834	EP7624
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
50-32-8	Benzo(a)pyrene	0.165	0.035	0.016	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	54%		10-109%
321-60-8	2-Fluorobiphenyl	56%		11-109%
1718-51-0	Terphenyl-d14	55%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GRID-10A-E1		
Lab Sample ID:	JE1300-39	**Date Sampled:**	11/22/24
Matrix:	SO - Soil	**Date Received:**	11/22/24
		Percent Solids:	92.9
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Mercury	0.17	0.027	mg/kg	1	11/26/24	11/27/24	MK	SW846 7471B [1]	SW846 7471B [2]

(1) Instrument QC Batch: MA57387
(2) Prep QC Batch: MP51193

RL = Reporting Limit

Report of Analysis

Client Sample ID:	GRID-10A-E2		
Lab Sample ID:	JE1300-40	**Date Sampled:**	11/22/24
Matrix:	SO - Soil	**Date Received:**	11/22/24
		Percent Solids:	91.5
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	91.5		%	1	12/01/24 15:59	MS	SM2540 G 18TH ED MOD

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	GRID-10A-W1		
Lab Sample ID:	JE1300-41	**Date Sampled:**	11/22/24
Matrix:	SO - Soil	**Date Received:**	11/22/24
Method:	SW846 8270E SW846 3546	**Percent Solids:**	91.8
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P163389.D	1	12/04/24 23:22	AO	12/04/24 11:00	OP59834	EP7624
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
50-32-8	Benzo(a)pyrene	0.196	0.036	0.016	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	58%		10-109%
321-60-8	2-Fluorobiphenyl	58%		11-109%
1718-51-0	Terphenyl-d14	54%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GRID-10A-W1		
Lab Sample ID:	JE1300-41	**Date Sampled:**	11/22/24
Matrix:	SO - Soil	**Date Received:**	11/22/24
		Percent Solids:	91.8
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Mercury	0.17	0.032	mg/kg	1	11/26/24	11/27/24	MK	SW846 7471B [1]	SW846 7471B [2]

(1) Instrument QC Batch: MA57387
(2) Prep QC Batch: MP51194

RL = Reporting Limit

Report of Analysis

Client Sample ID:	GRID-10A-W2		
Lab Sample ID:	JE1300-42	**Date Sampled:**	11/22/24
Matrix:	SO - Soil	**Date Received:**	11/22/24
		Percent Solids:	92.0
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	92		%	1	12/01/24 16:51	MS	SM2540 G 18TH ED MOD

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	DUP-5		
Lab Sample ID:	JE1300-43	**Date Sampled:**	11/22/24
Matrix:	SO - Soil	**Date Received:**	11/22/24
Method:	SW846 8270E SW846 3546	**Percent Solids:**	86.2
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P163390.D	1	12/04/24 23:48	AO	12/04/24 11:00	OP59834	EP7624
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
50-32-8	Benzo(a)pyrene	0.148	0.038	0.017	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	65%		10-109%
321-60-8	2-Fluorobiphenyl	63%		11-109%
1718-51-0	Terphenyl-d14	59%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-5		
Lab Sample ID:	JE1300-43	**Date Sampled:**	11/22/24
Matrix:	SO - Soil	**Date Received:**	11/22/24
		Percent Solids:	86.2
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Mercury	0.24	0.032	mg/kg	1	11/26/24	11/27/24	MK	SW846 7471B [1]	SW846 7471B [2]

(1) Instrument QC Batch: MA57387
(2) Prep QC Batch: MP51194

RL = Reporting Limit

Report of Analysis

Client Sample ID:	GRID-21R		
Lab Sample ID:	JE1300-44	**Date Sampled:**	11/22/24
Matrix:	SO - Soil	**Date Received:**	11/22/24
		Percent Solids:	90.5
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	90.5		%	1	12/01/24 16:51	MS	SM2540 G 18TH ED MOD

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID: GRID-21(2.0-2.5)
Lab Sample ID: JE1300-45
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/22/24
Date Received: 11/22/24
Percent Solids: 91.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6P519296.D	1	12/04/24 18:42	AO	12/04/24 14:02	OP59835	E6P4327
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
50-32-8	Benzo(a)pyrene	0.283	0.036	0.016	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	51%		10-109%
321-60-8	2-Fluorobiphenyl	57%		11-109%
1718-51-0	Terphenyl-d14	57%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GRID-21(2.5-3.0)		
Lab Sample ID:	JE1300-46	**Date Sampled:**	11/22/24
Matrix:	SO - Soil	**Date Received:**	11/22/24
		Percent Solids:	89.5
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	89.5		%	1	12/01/24 16:51	MS	SM2540 G 18TH ED MOD

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID: GRID-21-N1
Lab Sample ID: JE1300-47
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/22/24
Date Received: 11/22/24
Percent Solids: 91.9

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6P519297.D	1	12/04/24 19:03	AO	12/04/24 14:02	OP59835	E6P4327
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
50-32-8	Benzo(a)pyrene	0.586	0.036	0.016	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	61%		10-109%
321-60-8	2-Fluorobiphenyl	72%		11-109%
1718-51-0	Terphenyl-d14	69%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GRID-21-N2		
Lab Sample ID:	JE1300-48	**Date Sampled:**	11/22/24
Matrix:	SO - Soil	**Date Received:**	11/22/24
		Percent Solids:	92.1
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	92.1		%	1	12/01/24 16:51	MS	SM2540 G 18TH ED MOD

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	GRID-21-N2		
Lab Sample ID:	JE1300-48A	**Date Sampled:**	11/22/24
Matrix:	SO - Soil	**Date Received:**	11/22/24
Method:	SW846 8270E SW846 3546	**Percent Solids:**	92.1
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4P694249.D	1	12/10/24 18:38	KH	12/04/24 11:00	OP59835	E4P3706
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
50-32-8	Benzo(a)pyrene	1.06	0.035	0.016	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	57%		10-109%
321-60-8	2-Fluorobiphenyl	61%		11-109%
1718-51-0	Terphenyl-d14	53%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	GRID-21-E1		
Lab Sample ID:	JE1300-49	**Date Sampled:**	11/22/24
Matrix:	SO - Soil	**Date Received:**	11/22/24
Method:	SW846 8270E SW846 3546	**Percent Solids:**	91.6
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6P519298.D	1	12/04/24 19:23	AO	12/04/24 14:02	OP59835	E6P4327
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
50-32-8	Benzo(a)pyrene	0.406	0.036	0.016	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	53%		10-109%
321-60-8	2-Fluorobiphenyl	62%		11-109%
1718-51-0	Terphenyl-d14	64%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GRID-21-E2		
Lab Sample ID:	JE1300-50	**Date Sampled:**	11/22/24
Matrix:	SO - Soil	**Date Received:**	11/22/24
		Percent Solids:	87.1
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	87.1		%	1	12/01/24 16:51	MS	SM2540 G 18TH ED MOD

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	FB-2		
Lab Sample ID:	JE1300-51	**Date Sampled:**	11/22/24
Matrix:	AQ - Field Blank Soil	**Date Received:**	11/22/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4A12065.D	1	11/25/24 19:29	ED	n/a	n/a	V4A342
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane [b]	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane [a]	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB-2		
Lab Sample ID:	JE1300-51	**Date Sampled:**	11/22/24
Matrix:	AQ - Field Blank Soil	**Date Received:**	11/22/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		80-120%
17060-07-0	1,2-Dichloroethane-D4	102%		80-120%
2037-26-5	Toluene-D8	105%		80-120%
460-00-4	4-Bromofluorobenzene	101%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.23	14	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
(b) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	FB-2		
Lab Sample ID:	JE1300-51	**Date Sampled:**	11/22/24
Matrix:	AQ - Field Blank Soil	**Date Received:**	11/22/24
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F223244.D	1	12/02/24 15:42	KH	11/27/24 17:55	OP59781	EF9918
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol [a]	ND	5.0	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.89	ug/l	
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: FB-2
Lab Sample ID: JE1300-51
Matrix: AQ - Field Blank Soil
Method: SW846 8270E SW846 3510C
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/22/24
Date Received: 11/22/24
Percent Solids: n/a

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.65	ug/l	
218-01-9	Chrysene [b]	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.51	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.66	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.50	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	ND	1.0	0.23	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	42%		10-71%

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB-2		
Lab Sample ID:	JE1300-51	**Date Sampled:**	11/22/24
Matrix:	AQ - Field Blank Soil	**Date Received:**	11/22/24
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	29%		10-58%
118-79-6	2,4,6-Tribromophenol	81%		22-144%
4165-60-0	Nitrobenzene-d5	82%		28-118%
321-60-8	2-Fluorobiphenyl	77%		34-116%
1718-51-0	Terphenyl-d14	72%		10-127%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	unknown	10.38	4.7	ug/l	J
	Total TIC, Semi-Volatile		4.7	ug/l	J

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated Blank Spike outside control limits biased low. Unable to re-extract sample due to expired hold time.

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RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	FB-2		
Lab Sample ID:	JE1300-51	**Date Sampled:**	11/22/24
Matrix:	AQ - Field Blank Soil	**Date Received:**	11/22/24
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8G62735.D	1	12/01/24 08:04	RK	11/29/24 13:42	OP59787	G8G2697
Run #2							

	Initial Volume	Final Volume
Run #1	54.5 ml	2.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0037	0.0017	ug/l	
319-84-6	alpha-BHC	ND	0.0037	0.0017	ug/l	
319-85-7	beta-BHC	ND	0.0037	0.0028	ug/l	
319-86-8	delta-BHC	ND	0.0037	0.00081	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.0037	0.0022	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0037	0.0014	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0037	0.0012	ug/l	
57-74-9	Chlordane (alpha and gamma)	ND	0.0037	0.0012	ug/l	
60-57-1	Dieldrin	ND	0.0037	0.0027	ug/l	
72-54-8	4,4'-DDD	ND	0.0037	0.0015	ug/l	
72-55-9	4,4'-DDE	ND	0.0037	0.00095	ug/l	
50-29-3	4,4'-DDT	ND	0.0037	0.0022	ug/l	
72-20-8	Endrin	ND	0.0037	0.0019	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.0037	0.00047	ug/l	
7421-93-4	Endrin aldehyde	ND	0.0037	0.0018	ug/l	
53494-70-5	Endrin ketone	ND	0.0037	0.0026	ug/l	
959-98-8	Endosulfan-I	ND	0.0037	0.0022	ug/l	
33213-65-9	Endosulfan-II	ND	0.0037	0.0013	ug/l	
76-44-8	Heptachlor	ND	0.0037	0.0022	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.0037	0.0017	ug/l	
72-43-5	Methoxychlor	ND	0.0073	0.0043	ug/l	
8001-35-2	Toxaphene	ND	0.092	0.062	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	123%		50-150%
877-09-8	Tetrachloro-m-xylene	101%		50-150%
2051-24-3	Decachlorobiphenyl	116%		50-150%
2051-24-3	Decachlorobiphenyl	86%		50-150%

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	FB-2		
Lab Sample ID:	JE1300-51	**Date Sampled:**	11/22/24
Matrix:	AQ - Field Blank Soil	**Date Received:**	11/22/24
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RL23028.D	1	12/01/24 11:49	RK	11/29/24 13:42	OP59788	GRL549
Run #2							

	Initial Volume	Final Volume
Run #1	54.5 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.18	0.050	ug/l	
11104-28-2	Aroclor 1221	ND	0.18	0.096	ug/l	
11141-16-5	Aroclor 1232	ND	0.18	0.070	ug/l	
53469-21-9	Aroclor 1242	ND	0.18	0.040	ug/l	
12672-29-6	Aroclor 1248	ND	0.18	0.036	ug/l	
11097-69-1	Aroclor 1254	ND	0.18	0.068	ug/l	
11096-82-5	Aroclor 1260	ND	0.18	0.11	ug/l	
11100-14-4	Aroclor 1268	ND	0.18	0.062	ug/l	
37324-23-5	Aroclor 1262	ND	0.18	0.040	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	71%		50-150%
877-09-8	Tetrachloro-m-xylene	80%		50-150%
2051-24-3	Decachlorobiphenyl	108%		50-150%
2051-24-3	Decachlorobiphenyl	117%		50-150%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: FB-2
Lab Sample ID: JE1300-51
Matrix: AQ - Field Blank Soil
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/22/24
Date Received: 11/22/24
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	11/26/24	11/27/24	KP	SW846 6010D [2]	SW846 3010A [3]
Antimony	< 6.0	6.0	ug/l	1	11/26/24	11/27/24	KP	SW846 6010D [2]	SW846 3010A [3]
Arsenic	< 3.0	3.0	ug/l	1	11/26/24	11/27/24	KP	SW846 6010D [2]	SW846 3010A [3]
Barium	< 200	200	ug/l	1	11/26/24	11/27/24	KP	SW846 6010D [2]	SW846 3010A [3]
Beryllium	< 1.0	1.0	ug/l	1	11/26/24	11/27/24	KP	SW846 6010D [2]	SW846 3010A [3]
Cadmium	< 3.0	3.0	ug/l	1	11/26/24	11/27/24	KP	SW846 6010D [2]	SW846 3010A [3]
Calcium	< 5000	5000	ug/l	1	11/26/24	11/27/24	KP	SW846 6010D [2]	SW846 3010A [3]
Chromium	< 10	10	ug/l	1	11/26/24	11/27/24	KP	SW846 6010D [2]	SW846 3010A [3]
Cobalt	< 50	50	ug/l	1	11/26/24	11/27/24	KP	SW846 6010D [2]	SW846 3010A [3]
Copper	< 10	10	ug/l	1	11/26/24	11/27/24	KP	SW846 6010D [2]	SW846 3010A [3]
Iron	< 100	100	ug/l	1	11/26/24	11/27/24	KP	SW846 6010D [2]	SW846 3010A [3]
Lead	< 3.0	3.0	ug/l	1	11/26/24	11/27/24	KP	SW846 6010D [2]	SW846 3010A [3]
Magnesium	< 5000	5000	ug/l	1	11/26/24	11/27/24	KP	SW846 6010D [2]	SW846 3010A [3]
Manganese	< 15	15	ug/l	1	11/26/24	11/27/24	KP	SW846 6010D [2]	SW846 3010A [3]
Mercury	< 0.20	0.20	ug/l	1	11/26/24	11/27/24	MK	SW846 7470A [1]	SW846 7470A [4]
Nickel	< 10	10	ug/l	1	11/26/24	11/27/24	KP	SW846 6010D [2]	SW846 3010A [3]
Potassium	< 10000	10000	ug/l	1	11/26/24	11/27/24	KP	SW846 6010D [2]	SW846 3010A [3]
Selenium	< 10	10	ug/l	1	11/26/24	11/27/24	KP	SW846 6010D [2]	SW846 3010A [3]
Silver	< 10	10	ug/l	1	11/26/24	11/27/24	KP	SW846 6010D [2]	SW846 3010A [3]
Sodium	< 10000	10000	ug/l	1	11/26/24	11/27/24	KP	SW846 6010D [2]	SW846 3010A [3]
Thallium	< 10	10	ug/l	1	11/26/24	11/27/24	KP	SW846 6010D [2]	SW846 3010A [3]
Vanadium	< 50	50	ug/l	1	11/26/24	11/27/24	KP	SW846 6010D [2]	SW846 3010A [3]
Zinc	< 20	20	ug/l	1	11/26/24	11/27/24	KP	SW846 6010D [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA57386
(2) Instrument QC Batch: MA57390
(3) Prep QC Batch: MP51147
(4) Prep QC Batch: MP51190

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FB-2		
Lab Sample ID:	JE1300-51	**Date Sampled:**	11/22/24
Matrix:	AQ - Field Blank Soil	**Date Received:**	11/22/24
		Percent Solids:	n/a
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.010	0.010	mg/l	1	12/02/24 19:40	SS	EPA 335.4/LACHAT

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

Page 1 of 5

FED-EX Tracking #:
Bottle Order Control #: PRJM-IM-111524-197
SGS Quote #:
SGS Job #: JE1300

Client / Reporting Information

Company Name: Matrix New World Engineering
Street Address: 26 Columbia Tpke
City: Florham Park State: NJ Zip: 07932
Project Contact: Melissa Feury E-mail: mfeury@mnwe.com
Phone #: 973-240-1800
Sampler(s) Name(s): Daniel Cavallo Phone #: 973 865 3804

Project Information

Project Name: Ridgewood-Schidler Property
Street: 460 W. Saddle River Rd
City: Ridgewood State: NJ
Project #: 23-1429
Client Purchase Order #: 20243716
Project Manager: Melissa Feury

Billing Information (if different from Report to)

Company Name: SAME
Street Address:
City: State: Zip:
Attention:

Benzo(a)pyrene
Benzo(b)anthracene

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED - Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB - Equipment Blank
RB - Rinse Blank
TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)		LAB USE ONLY
1	Grid-18-N1		11/22/24	0930	DC	G		Soil	1					1				X	X	F96
2	Grid-18-N2			0925					1					1				H	H	A46
3	Grid-18-S1			0935					1					1				X	X	G30-T2
4	Grid-18-S2			0940					1					1				H	H	V501
5	Grid-18-E1			0905					1					1				X	X	
6	Grid-18-E2			0855					1					1				H	H	
7	Grid-18-W1			0910					1					1				X	X	
8	Grid-18-W2			0915					1					1				H	H	

Initial Assessment 2BHR
Label Verification

Turn Around Time (Business Days)

Approved By (SGS PM) / Date: Standard

- [ ] 10 Business Days
- [X] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via SGS Engage
* Approval needed for 1-3 BD TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [X] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [ ] EDD Format

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

X = Run
H = Extract + Hold

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by:	Date / Time:	Received By:	Date / Time:
1	Cavallo	11/22/24 1845	DW	11/22/24
2	DW	11/22/24		1900
3				
4				
5				

Received By: 1 DW; 2 James Hunt; 3; 4; 5

Custody Seal # ☐ Intact ☐ Not Intact ☐ Absent

Therm ID: On Ice ☒ See Sample Receipt Summary

Cooler Temp. °C: 1.3

EHSA-QAC-0023-05 Rev.Date:8/5/22

5.1 5

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

FED-EX Tracking # | Bottle Order Control #
SGS Quote # | SGS Job # JE1300

Client / Reporting Information
Company Name: SAME
Street Address | City | State | Zip
Project Contact | E-mail
Phone #
Sampler(s) Name(s) | Phone #

Project Information
Project Name: SAME
Street | City | State
Project # | Client Purchase Order #
Project Manager

Billing Information (If different from Report to)
Company Name: SAME
Street Address | City | State | Zip
Attention:

Analysis Requested
Benzo(a) pyrene TCL Pesticides w/ matrix spike

Matrix Codes
DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED - Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB - Equipment Blank
RB - Rinse Blank
TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Code	Matrix	# of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)	LAB USE ONLY
9	Grid-4R		11/22/24	1010	DC	G		Soil	1					1				H	
10	Grid-4 (2.0-2.5)			1015					1					1				X	
11	Grid-4 (2.5-3.0)			1020					1					1				H	
12	Grid-4-N1			1040					1					1				X	
13	Grid-4-N2			1033					1					1				H	
14	Grid-4-S1			1055					1					1				X	
15	Grid-4-S2			1100					1					1				H	
16	Grid-4-E1			1025					1					1				X	
17	Grid-4-E2			1030					1					1				H	
18	Grid-4-W1			1045					1					1				X	
19	Grid-4-W2			1050					1					1				H	
20	DUP-3			1027					1					1				X	

Turn Around Time (Business Days)
Approved By (SGS PM) / Date:
- [ ] 10 Business Days
- [x] 5 Business Days — Standard
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via SGS Engage
* Approval needed for 1-3 BD TAT

Deliverable
- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [x] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [ ] EDD Format

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions
X = Run
H = Extract + Hold
http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	DCavallo	11/22/24 1545	DCU 11/22/24	2 DCU 11/22/24	1900	2
3			3	4		4
5			5	Custody Seal #	Intact / Not Intact / Absent	Therm ID: / See Sample Receipt Summary — On Ice / Cooler Temp. °C

EHSA-QAC-0023-06 Rev.Date:9/24/2024

1-3

CHAIN OF CUSTODY

SGS

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

FED-EX Tracking # | Bottle Order Control #
SGS Quote # | SGS Job # JE1300

Client / Reporting Information
Company Name: SAME
Street Address | City | State | Zip
Project Contact | E-mail
Phone #
Sampler(s) Name(s) | Phone #

Project Information
Project Name: SAME
Street | City | State
Project # | Client Purchase Order #
Project Manager

Billing Information (If different from Report to)
Company Name
Street Address
City | State | Zip
Attention:

Analysis Requested
Benzo(a) pyrene TCL PAHs, w/ isotope spike

Matrix Codes
DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED - Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB - Equipment Blank
RB - Rinse Blank
TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chemical ed (Y/N)	Matrix	Number of Bottles: # of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)	LAB USE ONLY
21	Grid-11A		11/22/24	1125	DC	G		Soil	1					1				H	
22	Grid-11 (2.0-2.5)			1130					1					1				X	
23	Grid-11 (2.5-3.0)			1135					1					1				H	
24	Grid-11-N1			1200					1					1				X	
25	Grid-11-N2			1205					1					1				H	
26	Grid-11-S1			1150					1					1				X	
27	Grid-11-S2			1155					1					1				H	
28	Grid-11-E1			1210					1					1				X	
29	Grid-11-E2			1220					1					1				H	
30	Grid-11-W1			1140					1					1				X	
31	Grid-11-W2			1145					1					1				H	

Turn Around Time (Business Days)
Approved By (SGS PM) / Date: Standard
- [ ] 10 Business Days
- [x] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via SGS Engage
* Approval needed for 1-3 BD TAT

Deliverable
- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [x] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [ ] EDD Format

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions
X = Run
H = Extract + Hold

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	11/22/24 1545	1 11/22/24	2 11/22/24	19 00	2
Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
3		3	4		4
Relinquished by:	Date / Time:	Received By:	Custody Seal #	Intact / Not Intact / Absent	Therm ID: / See Sample Receipt Summary	Cooler Temp. °C
5		5				1.3

EHSA-QAC-0023-06 Rev.Date:9/24/2024

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

FED-EX Tracking #: | Bottle Order Control #:
SGS Quote #: | SGS Job #: JE1300

Client / Reporting Information
Company Name: SAME
Street Address: | City: State: Zip:
Project Contact: E-mail: | Phone #:
Sampler(s) Name(s): Phone #:

Project Information
Project Name: SAME
Street: | City: State:
Project #: | Client Purchase Order #:
Project Manager:

Billing Information (If different from Report to)
Company Name:
Street Address:
City: State: Zip:
Attention:

Analysis Requested
Mercury | Benzo(a)pyrene | TCL Pesticides w/ Matrix Spike

Matrix Codes
DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB-Equipment Blank
RB - Rinse Blank
TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	Number of Bottles: HCl	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)	LAB USE ONLY
32	Grid-10R		11/22/24	1245	DC	G		SOIL	1				1				H	
33	Grid-10A (2.0-2.5)			1250					1				1				X X	
34	Grid-10A (2.5-3.0)			1255					1				1				H H	
35	Grid-10A-N1			1305					1				1				X X	
36	Grid-10A-N2			1307					1				1				H H	
37	Grid-10A-S1			1257					1				1				X X	
38	Grid-10A-S2			1302					1				1				H H	
39	Grid-10A-E1			1315					1				1				X X	
40	Grid-10A-E2			1310					1				1				H H	
41	Grid-10A-W1			1320					1				1				X X	
42	Grid-10A-W2			1325					1				1				H H	
43	DUP-5			1300					1				1				X X	

Turn Around Time (Business Days)
Approved By (SGS PM) / Date: Standard
- [ ] 10 Business Days
- [x] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other
All data available via SGS Engage | * Approval needed for 1-3 BD TAT

Deliverable
- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [x] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [ ] EDD Format

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions
X = Run
H = Extract + Hold

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	[signature]	11/22/24 1545	1 [signature]	2 [signature] 11/22/24	1800	2 [signature]
3			3	4		4
5			5	Custody Seal #	Intact / Not Intact / Absent	Therm ID: See Sample Receipt Summary

On Ice: [x] | Cooler Temp. °C: 2.0

SGS-0023-06 Rev.Date:9/24/2024

1. 2

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

FED-EX Tracking # | Bottle Order Control #
SGS Quote # | SGS Job # JE1300

Client / Reporting Information
Company Name: SAME
Street Address
City State Zip
Project Contact E-mail
Phone #
Sampler(s) Name(s) Phone #

Project Information
Project Name: SAME
Street
City State
Project #
Client Purchase Order #
Project Manager

Billing Information (if different from Report to)
Company Name
Street Address
City State Zip
Attention:

Analysis Requested
Benzo(a) pyrene TCL Pesticides by Matrix Spike TCL/TAL + 30

Matrix Codes
DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB-Equipment Blank
RB - Rinse Blank
TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)			LAB USE ONLY
32	Grid - 21R		11/22/24	1350	DC	G		Soil	1					1					H		
33	Grid-21 (20-2.5)			1355					1					1				X			
34	Grid-21(2.5-3.0)			1400					1					1				H			
35	Grid-21-N1			1407					1					1				X			
36	Grid-21-N2			1410					1					1				H			
37	Grid-21-E1			1402					1					1				X			
38	Grid-21-E2			1405					1					1				H			
39	FB-2			1445				FB	9	3	1	1		4						X	

Turn Around Time (Business Days)
Approved By (SGS PM) / Date: Standard
- [ ] 10 Business Days
- [x] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other _____

All data available via SGS Engage
* Approval needed for 1-3 BD TAT

Deliverable
- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [x] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] MA MCP Criteria _____
- [ ] CT RCP Criteria _____
- [ ] State Forms
- [ ] EDD Format _____

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions
X = Run
H = Extract + Hold

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by:	Date / Time:	Received By:
1		11/22/24 1545	1 11/22/24 1545
2		11/22/24 1900	2 11/22/24
3			3
4			4
5			5

Custody Seal # — Intact / Not Intact / Absent
Therm ID: — See Sample Receipt Summary
On Ice — Cooler Temp. °C: 1.3

SGS Sample Receipt Summary

Job Number: JE1300 **Client:** MATRIX NEW WORLD ENGINEERING, IN **Project:** RIDGEWOOD BERM SAMPLING, RIDGE

Date / Time Received: 11/22/2024 7:00:00 PM **Delivery Method:** SGS COURIER **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (1.3);

Cooler Temps (Corrected) °C: Cooler 1: (1.7);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR-50		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

Job Change Order: JE1300

Requested Date:	11/27/2024	**Received Date:**	11/22/2024
Account Name:	Matrix New World Engineering, In	**Due Date:**	11/27/2024
Project Description:	Ridgewood Berm Sampling, Ridgewood, NJ	**Deliverable:**	REDT2
C/O Initiated By:	LOUIE_DEV **PM:** TM	**TAT (Days):**	13

Sample #: JE1300-10, 21, 32, 44 **Dept:**

Client ID: **TAT:** 13

Change: Samples off HOLD for P8081PESTTCLAO

Above Changes Per: Melissa Feury **Date/Time:** 11/27/2024

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

Job Change Order: JE1300

Requested Date:	12/4/2024	**Received Date:**	11/22/2024
Account Name:	Matrix New World Engineering, In	**Due Date:**	12/4/2024
Project Description:	Ridgewood Berm Sampling, Ridgewood, NJ	**Deliverable:**	REDT2
C/O Initiated By:	TAMMY_MC **PM:** TM	**TAT (Days):**	6

==========

Sample #: JE1300-10R, 21R, 32R, 44R **Dept:**

Client ID: **TAT:** 6

Change: Move to "R" job number and revise deliverables to FULT1

Above Changes Per: Melissa Feury **Date/Time:** 12/4/2024

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

Job Change Order: JE1300

Requested Date:	12/6/2024	**Received Date:**	11/22/2024
Account Name:	Matrix New World Engineering, In	**Due Date:**	12/6/2024
Project Description:	Ridgewood Berm Sampling, Ridgewood, NJ	**Deliverable:**	REDT2
C/O Initiated By:	TAMMY_MC **PM:** TM	**TAT (Days):**	6

==========

Sample #: JE1300-23, 25, 27, 36, 48 **Dept:**

Client ID: **TAT:** 6

Change: Off hold / relog for B8270BAPYRNAO

Above Changes Per: Melissa Feury **Date/Time:** 12/6/2024

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

Page 1 of 1

Job Change Order: JE1300

Requested Date:	12/9/2024	**Received Date:**	11/22/2024
Account Name:	Matrix New World Engineering, In	**Due Date:**	12/9/2024
Project Description:	Ridgewood Berm Sampling, Ridgewood, NJ	**Deliverable:**	REDT2
C/O Initiated By:	LOUIE_DEV **PM:** TM	**TAT (Days):**	6

==========

Sample #: JE1300-9 **Dept:**

Client ID: GRID-4R **TAT:** 6

Change: Relog for P8081PESTTCLAO

Above Changes Per: Melissa Feury **Date/Time:** 12/9/2024

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

Page 1 of 1

Job Change Order: JE1300

Requested Date:	12/12/2024	**Received Date:**	11/22/2024
Account Name:	Matrix New World Engineering, In	**Due Date:**	12/12/2024
Project Description:	Ridgewood Berm Sampling, Ridgewood, NJ	**Deliverable:**	REDT2
C/O Initiated By:	LOUIE_DEV **PM:** TM	**TAT (Days):**	6

Sample #:	JE1300-38	**Dept:**	
Client ID:	GRID-10A-S2	**TAT:**	6
Change:	Off HOLD for HG		

Above Changes Per: Melissa Feury **Date/Time:** 12/12/2024

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

JE1300: Chain of Custody

Page 11 of 11

Internal Sample Tracking Chronicle

Matrix New World Engineering, Inc.

Job No: JE1300

Ridgewood Berm Sampling, Ridgewood, NJ
Project No: 23-1429; PO#20243716

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JE1300-1	Collected: 22-NOV-24 09:30 By: DC		Received: 22-NOV-24 By: JK			
GRID-18-N1						
JE1300-1	SM2540 G 18TH ED MOD	01-DEC-24 15:37	MS			SOL104
JE1300-1	SW846 8270E	05-DEC-24 01:03	AO	04-DEC-24	DF	B8270BAPYRN,BMS+ BANTH
JE1300-2	Collected: 22-NOV-24 09:25 By: DC		Received: 22-NOV-24 By: JK			
GRID-18-N2						
JE1300-2	SM2540 G 18TH ED MOD	01-DEC-24 15:37	MS			SOL104
JE1300-3	Collected: 22-NOV-24 09:35 By: DC		Received: 22-NOV-24 By: JK			
GRID-18-S1						
JE1300-3	SM2540 G 18TH ED MOD	01-DEC-24 15:37	MS			SOL104
JE1300-3	SW846 8270E	05-DEC-24 01:28	AO	04-DEC-24	DF	B8270BAPYRN,BMS+ BANTH
JE1300-4	Collected: 22-NOV-24 09:40 By: DC		Received: 22-NOV-24 By: JK			
GRID-18-S2						
JE1300-4	SM2540 G 18TH ED MOD	01-DEC-24 15:37	MS			SOL104
JE1300-5	Collected: 22-NOV-24 09:05 By: DC		Received: 22-NOV-24 By: JK			
GRID-18-E1						
JE1300-5	SM2540 G 18TH ED MOD	01-DEC-24 15:37	MS			SOL104
JE1300-5	SW846 8270E	05-DEC-24 01:53	AO	04-DEC-24	DF	B8270BAPYRN,BMS+ BANTH
JE1300-6	Collected: 22-NOV-24 08:55 By: DC		Received: 22-NOV-24 By: JK			
GRID-18-E2						
JE1300-6	SM2540 G 18TH ED MOD	01-DEC-24 15:37	MS			SOL104
JE1300-7	Collected: 22-NOV-24 09:10 By: DC		Received: 22-NOV-24 By: JK			
GRID-18-W1						
JE1300-7	SM2540 G 18TH ED MOD	01-DEC-24 15:37	MS			SOL104
JE1300-7	SW846 8270E	04-DEC-24 17:26	AO	04-DEC-24	DF	B8270BAPYRN,BMS+ BANTH

Internal Sample Tracking Chronicle

Matrix New World Engineering, Inc.

Job No: JE1300

Ridgewood Berm Sampling, Ridgewood, NJ
Project No: 23-1429; PO#20243716

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JE1300-8	Collected: 22-NOV-24 09:15 By: DC		Received: 22-NOV-24		By: JK	
GRID-18-W2						
JE1300-8	SM2540 G 18TH ED MOD	10-DEC-24 15:37	MS			SOL104
JE1300-9	Collected: 22-NOV-24 10:10 By: DC		Received: 22-NOV-24		By: JK	
GRID-4R						
JE1300-9	SM2540 G 18TH ED MOD	10-DEC-24 15:37	MS			SOL104
JE1300-10	Collected: 22-NOV-24 10:15 By: DC		Received: 22-NOV-24		By: JK	
GRID-4(2.0-2.5)						
JE1300-10	SM2540 G 18TH ED MOD	10-DEC-24 15:37	MS			SOL104
JE1300-10	SW846 8270E	04-DEC-24 17:50	AO	04-DEC-24	DF	B8270BAPYRN
JE1300-11	Collected: 22-NOV-24 10:20 By: DC		Received: 22-NOV-24		By: JK	
GRID-4(2.5-3.0)						
JE1300-11	SM2540 G 18TH ED MOD	10-DEC-24 15:37	MS			SOL104
JE1300-12	Collected: 22-NOV-24 10:40 By: DC		Received: 22-NOV-24		By: JK	
GRID-4-N1						
JE1300-12	SM2540 G 18TH ED MOD	10-DEC-24 15:37	MS			SOL104
JE1300-12	SW846 8270E	04-DEC-24 18:15	AO	04-DEC-24	DF	B8270BAPYRN
JE1300-13	Collected: 22-NOV-24 10:33 By: DC		Received: 22-NOV-24		By: JK	
GRID-4-N2						
JE1300-13	SM2540 G 18TH ED MOD	10-DEC-24 15:37	MS			SOL104
JE1300-14	Collected: 22-NOV-24 10:55 By: DC		Received: 22-NOV-24		By: JK	
GRID-4-S1						
JE1300-14	SM2540 G 18TH ED MOD	10-DEC-24 15:37	MS			SOL104
JE1300-14	SW846 8270E	04-DEC-24 18:39	AO	04-DEC-24	DF	B8270BAPYRN

Internal Sample Tracking Chronicle

Matrix New World Engineering, Inc.

Job No: JE1300

Ridgewood Berm Sampling, Ridgewood, NJ
Project No: 23-1429; PO#20243716

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JE1300-15	Collected: 22-NOV-24 11:00 By: DC		Received: 22-NOV-24 By: JK			
GRID-4-S2						
JE1300-15	SM2540 G 18TH ED MOD	04-DEC-24 15:37	MS			SOL104
JE1300-16	Collected: 22-NOV-24 10:25 By: DC		Received: 22-NOV-24 By: JK			
GRID-4-E1						
JE1300-16	SM2540 G 18TH ED MOD	04-DEC-24 15:37	MS			SOL104
JE1300-16	SW846 8270E	04-DEC-24 19:02	AO	04-DEC-24	DF	B8270BAPYRN
JE1300-17	Collected: 22-NOV-24 10:30 By: DC		Received: 22-NOV-24 By: JK			
GRID-4-E2						
JE1300-17	SM2540 G 18TH ED MOD	04-DEC-24 15:37	MS			SOL104
JE1300-18	Collected: 22-NOV-24 10:45 By: DC		Received: 22-NOV-24 By: JK			
GRID-4-W1						
JE1300-18	SM2540 G 18TH ED MOD	04-DEC-24 15:37	MS			SOL104
JE1300-18	SW846 8270E	04-DEC-24 19:26	AO	04-DEC-24	DF	B8270BAPYRN
JE1300-19	Collected: 22-NOV-24 10:50 By: DC		Received: 22-NOV-24 By: JK			
GRID-4-W2						
JE1300-19	SM2540 G 18TH ED MOD	04-DEC-24 15:37	MS			SOL104
JE1300-20	Collected: 22-NOV-24 10:27 By: DC		Received: 22-NOV-24 By: JK			
DUP-3						
JE1300-20	SM2540 G 18TH ED MOD	04-DEC-24 15:37	MS			SOL104
JE1300-20	SW846 8270E	04-DEC-24 19:50	AO	04-DEC-24	DF	B8270BAPYRN
JE1300-21	Collected: 22-NOV-24 11:25 By: DC		Received: 22-NOV-24 By: JK			
GRID-11R						
JE1300-21	SM2540 G 18TH ED MOD	04-DEC-24 15:59	MS			SOL104

Internal Sample Tracking Chronicle

Matrix New World Engineering, Inc.

Job No: JE1300

Ridgewood Berm Sampling, Ridgewood, NJ
Project No: 23-1429; PO#20243716

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JE1300-22	Collected: 22-NOV-24 11:30 By: DC			Received: 22-NOV-24	By: JK	
GRID-11(2.0-2.5)						
JE1300-22	SM2540 G 18TH ED MOD	10-DEC-24 15:59	MS			SOL104
JE1300-22	SW846 8270E	04-DEC-24 20:15	AO	04-DEC-24	DF	B8270BAPYRN
JE1300-23	Collected: 22-NOV-24 11:35 By: DC			Received: 22-NOV-24	By: JK	
GRID-11(2.5-3.0)						
JE1300-23	SM2540 G 18TH ED MOD	10-DEC-24 15:59	MS			SOL104
JE1300-24	Collected: 22-NOV-24 12:00 By: DC			Received: 22-NOV-24	By: JK	
GRID-11-N1						
JE1300-24	SM2540 G 18TH ED MOD	10-DEC-24 15:59	MS			SOL104
JE1300-24	SW846 8270E	04-DEC-24 20:02	AO	04-DEC-24	DF	B8270BAPYRN
JE1300-25	Collected: 22-NOV-24 12:05 By: DC			Received: 22-NOV-24	By: JK	
GRID-11-N2						
JE1300-25	SM2540 G 18TH ED MOD	10-DEC-24 15:59	MS			SOL104
JE1300-26	Collected: 22-NOV-24 11:50 By: DC			Received: 22-NOV-24	By: JK	
GRID-11-S1						
JE1300-26	SM2540 G 18TH ED MOD	10-DEC-24 15:59	MS			SOL104
JE1300-26	SW846 8270E	04-DEC-24 20:27	AO	04-DEC-24	DF	B8270BAPYRN
JE1300-27	Collected: 22-NOV-24 11:55 By: DC			Received: 22-NOV-24	By: JK	
GRID-11-S2						
JE1300-27	SM2540 G 18TH ED MOD	10-DEC-24 15:59	MS			SOL104
JE1300-28	Collected: 22-NOV-24 12:10 By: DC			Received: 22-NOV-24	By: JK	
GRID-11-E1						
JE1300-28	SM2540 G 18TH ED MOD	10-DEC-24 15:59	MS			SOL104
JE1300-28	SW846 8270E	04-DEC-24 20:52	AO	04-DEC-24	DF	B8270BAPYRN

Internal Sample Tracking Chronicle

Matrix New World Engineering, Inc.

Job No: JE1300

Ridgewood Berm Sampling, Ridgewood, NJ
Project No: 23-1429; PO#20243716

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JE1300-29	Collected: 22-NOV-24 12:20 By: DC			Received: 22-NOV-24	By: JK	
GRID-11-E2						
JE1300-29	SM2540 G 18TH ED MOD	01-DEC-24 15:59	MS			SOL104
JE1300-30	Collected: 22-NOV-24 11:40 By: DC			Received: 22-NOV-24	By: JK	
GRID-11-W1						
JE1300-30	SM2540 G 18TH ED MOD	01-DEC-24 15:59	MS			SOL104
JE1300-30	SW846 8270E	04-DEC-24 21:17	AO	04-DEC-24	DF	B8270BAPYRN
JE1300-31	Collected: 22-NOV-24 11:45 By: DC			Received: 22-NOV-24	By: JK	
GRID-11-W2						
JE1300-31	SM2540 G 18TH ED MOD	01-DEC-24 15:59	MS			SOL104
JE1300-32	Collected: 22-NOV-24 12:45 By: DC			Received: 22-NOV-24	By: JK	
GRID-10R						
JE1300-32	SM2540 G 18TH ED MOD	01-DEC-24 15:59	MS			SOL104
JE1300-33	Collected: 22-NOV-24 12:50 By: DC			Received: 22-NOV-24	By: JK	
GRID-10A(2.0-2.5)						
JE1300-33	SW846 7471B	27-NOV-24 12:13	MK	26-NOV-24	MK	HG
JE1300-33	SM2540 G 18TH ED MOD	01-DEC-24 15:59	MS			SOL104
JE1300-33	SW846 8270E	04-DEC-24 21:42	AO	04-DEC-24	DF	B8270BAPYRN
JE1300-34	Collected: 22-NOV-24 12:55 By: DC			Received: 22-NOV-24	By: JK	
GRID-10A(2.5-3.0)						
JE1300-34	SM2540 G 18TH ED MOD	01-DEC-24 15:59	MS			SOL104
JE1300-35	Collected: 22-NOV-24 13:05 By: DC			Received: 22-NOV-24	By: JK	
GRID-10A-N1						
JE1300-35	SW846 7471B	27-NOV-24 12:15	MK	26-NOV-24	MK	HG
JE1300-35	SM2540 G 18TH ED MOD	01-DEC-24 15:59	MS			SOL104
JE1300-35	SW846 8270E	04-DEC-24 22:07	AO	04-DEC-24	DF	B8270BAPYRN

Internal Sample Tracking Chronicle

Matrix New World Engineering, Inc.

Job No: JE1300

Ridgewood Berm Sampling, Ridgewood, NJ
Project No: 23-1429; PO#20243716

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JE1300-36	Collected: 22-NOV-24 13:07 By: DC GRID-10A-N2		Received: 22-NOV-24		By: JK	
JE1300-36	SM2540 G 18TH ED MOD	01-DEC-24 15:59	MS			SOL104
JE1300-37	Collected: 22-NOV-24 12:57 By: DC GRID-10A-S1		Received: 22-NOV-24		By: JK	
JE1300-37	SW846 7471B	27-NOV-24 12:16	MK	26-NOV-24	MK	HG
JE1300-37	SM2540 G 18TH ED MOD	01-DEC-24 15:59	MS			SOL104
JE1300-37	SW846 8270E	04-DEC-24 22:32	AO	04-DEC-24	DF	B8270BAPYRN
JE1300-38	Collected: 22-NOV-24 13:02 By: DC GRID-10A-S2		Received: 22-NOV-24		By: JK	
JE1300-38	SM2540 G 18TH ED MOD	01-DEC-24 15:59	MS			SOL104
JE1300-39	Collected: 22-NOV-24 13:15 By: DC GRID-10A-E1		Received: 22-NOV-24		By: JK	
JE1300-39	SW846 7471B	27-NOV-24 12:18	MK	26-NOV-24	MK	HG
JE1300-39	SM2540 G 18TH ED MOD	01-DEC-24 15:59	MS			SOL104
JE1300-39	SW846 8270E	04-DEC-24 22:57	AO	04-DEC-24	DF	B8270BAPYRN
JE1300-40	Collected: 22-NOV-24 13:10 By: DC GRID-10A-E2		Received: 22-NOV-24		By: JK	
JE1300-40	SM2540 G 18TH ED MOD	01-DEC-24 15:59	MS			SOL104
JE1300-41	Collected: 22-NOV-24 13:20 By: DC GRID-10A-W1		Received: 22-NOV-24		By: JK	
JE1300-41	SW846 7471B	27-NOV-24 12:30	MK	26-NOV-24	MK	HG
JE1300-41	SM2540 G 18TH ED MOD	01-DEC-24 16:51	MS			SOL104
JE1300-41	SW846 8270E	04-DEC-24 23:22	AO	04-DEC-24	DF	B8270BAPYRN
JE1300-42	Collected: 22-NOV-24 13:25 By: DC GRID-10A-W2		Received: 22-NOV-24		By: JK	

Internal Sample Tracking Chronicle

Matrix New World Engineering, Inc.

Job No: JE1300

Ridgewood Berm Sampling, Ridgewood, NJ
Project No: 23-1429; PO#20243716

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JE1300-42	SM2540 G 18TH ED MOD	13-DEC-24 16:51	MS			SOL104
JE1300-43	Collected: 22-NOV-24 13:00 By: DC		Received: 22-NOV-24 By: JK			
DUP-5						
JE1300-43	SW846 7471B	27-NOV-24 12:32	MK	26-NOV-24	MK	HG
JE1300-43	SM2540 G 18TH ED MOD	13-DEC-24 16:51	MS			SOL104
JE1300-43	SW846 8270E	04-DEC-24 23:48	AO	04-DEC-24	DF	B8270BAPYRN
JE1300-44	Collected: 22-NOV-24 13:50 By: DC		Received: 22-NOV-24 By: JK			
GRID-21R						
JE1300-44	SM2540 G 18TH ED MOD	13-DEC-24 16:51	MS			SOL104
JE1300-45	Collected: 22-NOV-24 13:55 By: DC		Received: 22-NOV-24 By: JK			
GRID-21(2.0-2.5)						
JE1300-45	SM2540 G 18TH ED MOD	13-DEC-24 16:51	MS			SOL104
JE1300-45	SW846 8270E	04-DEC-24 18:42	AO	04-DEC-24	OR	B8270BAPYRN
JE1300-46	Collected: 22-NOV-24 14:00 By: DC		Received: 22-NOV-24 By: JK			
GRID-21(2.5-3.0)						
JE1300-46	SM2540 G 18TH ED MOD	13-DEC-24 16:51	MS			SOL104
JE1300-47	Collected: 22-NOV-24 14:07 By: DC		Received: 22-NOV-24 By: JK			
GRID-21-N1						
JE1300-47	SM2540 G 18TH ED MOD	13-DEC-24 16:51	MS			SOL104
JE1300-47	SW846 8270E	04-DEC-24 19:03	AO	04-DEC-24	OR	B8270BAPYRN
JE1300-48	Collected: 22-NOV-24 14:10 By: DC		Received: 22-NOV-24 By: JK			
GRID-21-N2						
JE1300-48	SM2540 G 18TH ED MOD	13-DEC-24 16:51	MS			SOL104
JE1300-49	Collected: 22-NOV-24 14:02 By: DC		Received: 22-NOV-24 By: JK			
GRID-21-E1						
JE1300-49	SM2540 G 18TH ED MOD	13-DEC-24 16:51	MS			SOL104

Internal Sample Tracking Chronicle

Matrix New World Engineering, Inc.

Job No: JE1300

Ridgewood Berm Sampling, Ridgewood, NJ
Project No: 23-1429; PO#20243716

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JE1300-49	SW846 8270E	04-DEC-24 19:23	AO	04-DEC-24	OR	B8270BAPYRN
JE1300-50	Collected: 22-NOV-24 14:05 By: DC			Received: 22-NOV-24	By: JK	
GRID-21-E2						
JE1300-50	SM2540 G 18TH ED MOD	01-DEC-24 16:51	MS			SOL104
JE1300-51	Collected: 22-NOV-24 14:45 By: DC			Received: 22-NOV-24	By: JK	
FB-2						
JE1300-51	SW846 8260D	25-NOV-24 19:29	ED			V8260TCL20+
JE1300-51	SW846 6010D	27-NOV-24 02:43	KP	26-NOV-24	BP	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN
JE1300-51	SW846 7470A	27-NOV-24 12:33	MK	26-NOV-24	MK	HG
JE1300-51	SW846 8081B	01-DEC-24 08:04	RK	29-NOV-24	ED	P8081PESTTCL
JE1300-51	SW846 8082A	01-DEC-24 11:49	RK	29-NOV-24	ED	P8082PCB11AO
JE1300-51	SW846 8270E	02-DEC-24 15:42	KH	27-NOV-24	ED	AB8270TCL20+
JE1300-51	EPA 335.4/LACHAT	02-DEC-24 19:40	SS	29-NOV-24	MS	CN
JE1300-9T	Collected: 22-NOV-24 10:10 By: DC			Received: 22-NOV-24	By: JK	
GRID-4R						
JE1300-9T	SW846 8081B	03-DEC-24 05:55	CP	02-DEC-24	NT	P8081PESTTCLAO
JE1300-9T	SW846 8081B	26-DEC-24 17:46	KC	09-DEC-24	NT	P8081PESTTCLAO
JE1300-23A	Collected: 22-NOV-24 11:35 By: DC			Received: 22-NOV-24	By: JK	
GRID-11(2.5-3.0)						
JE1300-23A	SW846 8270E	10-DEC-24 19:02	KH	04-DEC-24	NT	B8270BAPYRNAO
JE1300-25A	Collected: 22-NOV-24 12:05 By: DC			Received: 22-NOV-24	By: JK	
GRID-11-N2						
JE1300-25A	SW846 8270E	10-DEC-24 19:26	KH	04-DEC-24	NT	B8270BAPYRNAO
JE1300-27A	Collected: 22-NOV-24 11:55 By: DC			Received: 22-NOV-24	By: JK	
GRID-11-S2						
JE1300-27A	SW846 8270E	10-DEC-24 19:50	KH	04-DEC-24	NT	B8270BAPYRNAO

Internal Sample Tracking Chronicle

Matrix New World Engineering, Inc.

Job No: JE1300

Ridgewood Berm Sampling, Ridgewood, NJ
Project No: 23-1429; PO#20243716

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JE1300-36A	Collected: 22-NOV-24 13:07 By: DC			Received: 22-NOV-24	By: JK	
	GRID-10A-N2					
JE1300-36A	SW846 8270E	10-DEC-24 20:14	KH	04-DEC-24	NT	B8270BAPYRNAO
JE1300-38U	Collected: 22-NOV-24 13:02 By: DC			Received: 22-NOV-24	By: JK	
	GRID-10A-S2					
JE1300-38U	SW846 7471B	16-DEC-24 12:59	MK	13-DEC-24	MK	HG
JE1300-48A	Collected: 22-NOV-24 14:10 By: DC			Received: 22-NOV-24	By: JK	
	GRID-21-N2					
JE1300-48A	SW846 8270E	10-DEC-24 18:38	KH	04-DEC-24	NT	B8270BAPYRNAO

SGS Internal Chain of Custody

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Received: 11/22/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE1300-1.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:24	Return to Storage
JE1300-1.1	Secured Storage	Dave Hunkele	11/30/24 07:51	Retrieve from Storage
JE1300-1.1	Dave Hunkele	Secured Staging Area	11/30/24 07:54	Return to Storage
JE1300-1.1	Secured Staging Area	Alejandra Cruz	12/02/24 15:39	Retrieve from Storage
JE1300-1.1	Secured Storage	Ellen Dondeo	12/03/24 09:58	Retrieve from Storage
Analyst unavailable for custody transfer.				
JE1300-1.1	Ellen Dondeo	Secured Storage	12/03/24 17:27	Return to Storage
JE1300-1.1.1	Alejandra Cruz	Organics Prep	12/02/24 15:39	Extract from JE1300-1.1
JE1300-1.1.1	Organics Prep	Daniela Frey	12/04/24 16:15	Extract from JE1300-1.1
JE1300-1.1.1	Daniela Frey	Extract Storage	12/04/24 16:15	Return to Storage
JE1300-2.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:24	Return to Storage
JE1300-2.1	Secured Storage	Dave Hunkele	11/30/24 07:51	Retrieve from Storage
JE1300-2.1	Dave Hunkele	Secured Staging Area	11/30/24 07:54	Return to Storage
JE1300-2.1	Secured Staging Area	Alejandra Cruz	12/02/24 15:39	Retrieve from Storage
JE1300-2.1	Secured Storage	Ellen Dondeo	12/03/24 09:58	Retrieve from Storage
Analyst unavailable for custody transfer.				
JE1300-2.1	Ellen Dondeo	Secured Storage	12/03/24 17:27	Return to Storage
JE1300-2.1.1	Alejandra Cruz	Organics Prep	12/02/24 15:39	Extract from JE1300-2.1
JE1300-2.1.1	Organics Prep	Daniela Frey	12/04/24 16:15	Extract from JE1300-2.1
JE1300-2.1.1	Daniela Frey	Extract Storage	12/04/24 16:15	Return to Storage
JE1300-3.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:24	Return to Storage
JE1300-3.1	Secured Storage	Dave Hunkele	11/30/24 07:51	Retrieve from Storage
JE1300-3.1	Dave Hunkele	Secured Staging Area	11/30/24 07:54	Return to Storage
JE1300-3.1	Secured Staging Area	Alejandra Cruz	12/02/24 15:39	Retrieve from Storage
JE1300-3.1	Secured Storage	Ellen Dondeo	12/03/24 09:58	Retrieve from Storage
Analyst unavailable for custody transfer.				
JE1300-3.1	Ellen Dondeo	Secured Storage	12/03/24 17:27	Return to Storage
JE1300-3.1.1	Alejandra Cruz	Organics Prep	12/02/24 15:39	Extract from JE1300-3.1
JE1300-3.1.1	Organics Prep	Daniela Frey	12/04/24 16:15	Extract from JE1300-3.1
JE1300-3.1.1	Daniela Frey	Extract Storage	12/04/24 16:15	Return to Storage
JE1300-4.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:24	Return to Storage
JE1300-4.1	Secured Storage	Dave Hunkele	11/30/24 07:51	Retrieve from Storage
JE1300-4.1	Dave Hunkele	Secured Staging Area	11/30/24 07:54	Return to Storage
JE1300-4.1	Secured Staging Area	Alejandra Cruz	12/02/24 15:39	Retrieve from Storage
JE1300-4.1	Secured Storage	Ellen Dondeo	12/03/24 09:58	Retrieve from Storage
Analyst unavailable for custody transfer.				
JE1300-4.1	Ellen Dondeo	Secured Storage	12/03/24 17:27	Return to Storage

SGS Internal Chain of Custody

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Received: 11/22/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE1300-4.1.1	Alejandra Cruz	Organics Prep	12/02/24 15:39	Extract from JE1300-4.1
JE1300-4.1.1	Organics Prep	Daniela Frey	12/04/24 16:15	Extract from JE1300-4.1
JE1300-4.1.1	Daniela Frey	Extract Storage	12/04/24 16:15	Return to Storage
JE1300-5.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:24	Return to Storage
JE1300-5.1	Secured Storage	Dave Hunkele	11/30/24 07:51	Retrieve from Storage
JE1300-5.1	Dave Hunkele	Secured Staging Area	11/30/24 07:54	Return to Storage
JE1300-5.1	Secured Staging Area	Alejandra Cruz	12/02/24 15:39	Retrieve from Storage
JE1300-5.1	Secured Storage	Ellen Dondeo	12/03/24 09:58	Retrieve from Storage
Analyst unavailable for custody transfer.				
JE1300-5.1	Ellen Dondeo	Secured Storage	12/03/24 17:27	Return to Storage
JE1300-5.1.1	Alejandra Cruz	Organics Prep	12/02/24 15:39	Extract from JE1300-5.1
JE1300-5.1.1	Organics Prep	Daniela Frey	12/04/24 16:15	Extract from JE1300-5.1
JE1300-5.1.1	Daniela Frey	Extract Storage	12/04/24 16:15	Return to Storage
JE1300-6.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:24	Return to Storage
JE1300-6.1	Secured Storage	Dave Hunkele	11/30/24 07:54	Retrieve from Storage
JE1300-6.1	Dave Hunkele	Secured Staging Area	11/30/24 07:54	Return to Storage
JE1300-6.1	Secured Staging Area	Alejandra Cruz	12/02/24 15:39	Retrieve from Storage
JE1300-6.1	Secured Storage	Ellen Dondeo	12/03/24 09:58	Retrieve from Storage
Analyst unavailable for custody transfer.				
JE1300-6.1	Ellen Dondeo	Secured Storage	12/03/24 17:27	Return to Storage
JE1300-6.1.1	Alejandra Cruz	Organics Prep	12/02/24 15:39	Extract from JE1300-6.1
JE1300-6.1.1	Organics Prep	Daniela Frey	12/04/24 16:15	Extract from JE1300-6.1
JE1300-6.1.1	Daniela Frey	Extract Storage	12/04/24 16:15	Return to Storage
JE1300-7.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:24	Return to Storage
JE1300-7.1	Secured Storage	Dave Hunkele	11/30/24 07:54	Retrieve from Storage
JE1300-7.1	Dave Hunkele	Secured Staging Area	11/30/24 07:54	Return to Storage
JE1300-7.1	Secured Staging Area	Alejandra Cruz	12/02/24 15:39	Retrieve from Storage
JE1300-7.1	Secured Storage	Ellen Dondeo	12/03/24 09:58	Retrieve from Storage
Analyst unavailable for custody transfer.				
JE1300-7.1	Ellen Dondeo	Secured Storage	12/03/24 17:27	Return to Storage
JE1300-7.1.1	Alejandra Cruz	Organics Prep	12/02/24 15:39	Extract from JE1300-7.1
JE1300-7.1.1	Organics Prep	Daniela Frey	12/04/24 16:15	Extract from JE1300-7.1
JE1300-7.1.1	Daniela Frey	Extract Storage	12/04/24 16:15	Return to Storage
JE1300-8.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:24	Return to Storage
JE1300-8.1	Secured Storage	Dave Hunkele	11/30/24 07:54	Retrieve from Storage
JE1300-8.1	Dave Hunkele	Secured Staging Area	11/30/24 07:54	Return to Storage
JE1300-8.1	Secured Staging Area	Alejandra Cruz	12/02/24 15:39	Retrieve from Storage

SGS Internal Chain of Custody

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Received: 11/22/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE1300-8.1	Secured Storage	Ellen Dondeo	12/03/24 09:58	Retrieve from Storage
Analyst unavailable for custody transfer.				
JE1300-8.1	Ellen Dondeo	Secured Storage	12/03/24 17:27	Return to Storage
JE1300-8.1.1	Alejandra Cruz	Organics Prep	12/02/24 15:39	Extract from JE1300-8.1
JE1300-8.1.1	Organics Prep	Daniela Frey	12/04/24 16:15	Extract from JE1300-8.1
JE1300-8.1.1	Daniela Frey	Extract Storage	12/04/24 16:15	Return to Storage
JE1300-9.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:24	Return to Storage
JE1300-9.1	Secured Storage	Dave Hunkele	11/30/24 07:51	Retrieve from Storage
JE1300-9.1	Dave Hunkele	Secured Staging Area	11/30/24 07:54	Return to Storage
JE1300-9.1	Secured Staging Area	Alejandra Cruz	12/02/24 15:44	Retrieve from Storage
JE1300-9.1	Alejandra Cruz	Secured Storage	12/02/24 19:41	Return to Storage
JE1300-9.1	Secured Storage	Todd Shoemaker	12/16/24 11:19	Retrieve from Storage
JE1300-9.1	Todd Shoemaker	Secured Staging Area	12/16/24 11:19	Return to Storage
JE1300-9.1	Secured Staging Area	Erin Burke	12/16/24 11:32	Retrieve from Storage
JE1300-9.1	Erin Burke	Secured Storage	12/16/24 18:59	Return to Storage
JE1300-9.1.1	Alejandra Cruz	Organics Prep	12/02/24 15:45	Extract from JE1300-9.1
JE1300-9.1.1	Organics Prep	Erin Burke	12/02/24 17:36	Extract from JE1300-9.1
JE1300-9.1.1	Erin Burke	Extract Storage	12/02/24 17:36	Return to Storage
JE1300-9.1.2	Alejandra Cruz	Organics Prep	12/02/24 15:45	Extract from JE1300-9.1
JE1300-9.1.2	Organics Prep	Erin Burke	12/02/24 17:36	Extract from JE1300-9.1
JE1300-9.1.2	Erin Burke	Extract Storage	12/02/24 17:36	Return to Storage
JE1300-9.1.2	Extract Storage	Christine Phillips	12/03/24 02:09	Retrieve from Storage
JE1300-9.1.2	Christine Phillips	GC8G	12/03/24 02:09	Load on Instrument
JE1300-10.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:24	Return to Storage
JE1300-10.1	Secured Storage	Dave Hunkele	11/30/24 07:54	Retrieve from Storage
JE1300-10.1	Dave Hunkele	Secured Staging Area	11/30/24 07:54	Return to Storage
JE1300-10.1	Secured Staging Area	Alejandra Cruz	12/02/24 15:39	Retrieve from Storage
JE1300-10.1	Secured Storage	Ellen Dondeo	12/03/24 09:58	Retrieve from Storage
Analyst unavailable for custody transfer.				
JE1300-10.1	Ellen Dondeo	Secured Storage	12/03/24 17:27	Return to Storage
JE1300-10.1.1	Alejandra Cruz	Organics Prep	12/02/24 15:39	Extract from JE1300-10.1
JE1300-10.1.1	Organics Prep	Daniela Frey	12/04/24 16:15	Extract from JE1300-10.1
JE1300-10.1.1	Daniela Frey	Extract Storage	12/04/24 16:15	Return to Storage
JE1300-10.1.2	Alejandra Cruz	Organics Prep	12/02/24 16:18	Extract from JE1300-10.1
JE1300-10.1.2	Organics Prep	Erin Burke	12/02/24 17:36	Extract from JE1300-10.1
JE1300-10.1.2	Erin Burke	Extract Storage	12/02/24 17:36	Return to Storage
JE1300-10.1.2	Extract Storage	Christine Phillips	12/03/24 02:09	Retrieve from Storage

SGS Internal Chain of Custody

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Received: 11/22/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE1300-10.1.2	Christine Phillips	GC8G	12/03/24 02:09	Load on Instrument
JE1300-11.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:24	Return to Storage
JE1300-11.1	Secured Storage	Dave Hunkele	11/30/24 07:51	Retrieve from Storage
JE1300-11.1	Dave Hunkele	Secured Staging Area	11/30/24 07:54	Return to Storage
JE1300-11.1	Secured Staging Area	Alejandra Cruz	12/02/24 15:39	Retrieve from Storage
JE1300-11.1	Secured Storage	Ellen Dondeo	12/03/24 09:58	Retrieve from Storage
Analyst unavailable for custody transfer.				
JE1300-11.1	Ellen Dondeo	Secured Storage	12/03/24 17:27	Return to Storage
JE1300-11.1.1	Alejandra Cruz	Organics Prep	12/02/24 15:39	Extract from JE1300-11.1
JE1300-11.1.1	Organics Prep	Daniela Frey	12/04/24 16:15	Extract from JE1300-11.1
JE1300-11.1.1	Daniela Frey	Extract Storage	12/04/24 16:15	Return to Storage
JE1300-12.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:24	Return to Storage
JE1300-12.1	Secured Storage	Dave Hunkele	11/30/24 07:51	Retrieve from Storage
JE1300-12.1	Dave Hunkele	Secured Staging Area	11/30/24 07:54	Return to Storage
JE1300-12.1	Secured Staging Area	Alejandra Cruz	12/02/24 15:39	Retrieve from Storage
JE1300-12.1	Secured Storage	Ellen Dondeo	12/03/24 09:58	Retrieve from Storage
Analyst unavailable for custody transfer.				
JE1300-12.1	Ellen Dondeo	Secured Storage	12/03/24 17:27	Return to Storage
JE1300-12.1.1	Alejandra Cruz	Organics Prep	12/02/24 15:39	Extract from JE1300-12.1
JE1300-12.1.1	Organics Prep	Daniela Frey	12/04/24 16:15	Extract from JE1300-12.1
JE1300-12.1.1	Daniela Frey	Extract Storage	12/04/24 16:15	Return to Storage
JE1300-13.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:24	Return to Storage
JE1300-13.1	Secured Storage	Dave Hunkele	11/30/24 07:51	Retrieve from Storage
JE1300-13.1	Dave Hunkele	Secured Staging Area	11/30/24 07:54	Return to Storage
JE1300-13.1	Secured Staging Area	Alejandra Cruz	12/02/24 15:39	Retrieve from Storage
JE1300-13.1	Secured Storage	Ellen Dondeo	12/03/24 09:58	Retrieve from Storage
Analyst unavailable for custody transfer.				
JE1300-13.1	Ellen Dondeo	Secured Storage	12/03/24 17:27	Return to Storage
JE1300-13.1	Secured Storage	Todd Shoemaker	12/04/24 15:40	Retrieve from Storage
JE1300-13.1	Todd Shoemaker	Secured Staging Area	12/04/24 15:40	Return to Storage
JE1300-13.1.1	Alejandra Cruz	Organics Prep	12/02/24 15:39	Extract from JE1300-13.1
JE1300-13.1.1	Organics Prep	Daniela Frey	12/04/24 16:15	Extract from JE1300-13.1
JE1300-13.1.1	Daniela Frey	Extract Storage	12/04/24 16:15	Return to Storage
JE1300-14.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:24	Return to Storage
JE1300-14.1	Secured Storage	Dave Hunkele	11/30/24 07:54	Retrieve from Storage
JE1300-14.1	Dave Hunkele	Secured Staging Area	11/30/24 07:54	Return to Storage
JE1300-14.1	Secured Staging Area	Alejandra Cruz	12/02/24 15:39	Retrieve from Storage

SGS Internal Chain of Custody

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Received: 11/22/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE1300-14.1	Secured Storage	Ellen Dondeo	12/03/24 09:58	Retrieve from Storage
Analyst unavailable for custody transfer.				
JE1300-14.1	Ellen Dondeo	Secured Storage	12/03/24 17:27	Return to Storage
JE1300-14.1.1	Alejandra Cruz	Organics Prep	12/02/24 15:39	Extract from JE1300-14.1
JE1300-14.1.1	Organics Prep	Daniela Frey	12/04/24 16:15	Extract from JE1300-14.1
JE1300-14.1.1	Daniela Frey	Extract Storage	12/04/24 16:15	Return to Storage
JE1300-15.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:24	Return to Storage
JE1300-15.1	Secured Storage	Dave Hunkele	11/30/24 07:54	Retrieve from Storage
JE1300-15.1	Dave Hunkele	Secured Staging Area	11/30/24 07:54	Return to Storage
JE1300-15.1	Secured Staging Area	Alejandra Cruz	12/02/24 15:39	Retrieve from Storage
JE1300-15.1	Secured Storage	Ellen Dondeo	12/03/24 09:58	Retrieve from Storage
Analyst unavailable for custody transfer.				
JE1300-15.1	Ellen Dondeo	Secured Storage	12/03/24 17:27	Return to Storage
JE1300-15.1.1	Alejandra Cruz	Organics Prep	12/02/24 15:39	Extract from JE1300-15.1
JE1300-15.1.1	Organics Prep	Daniela Frey	12/04/24 16:15	Extract from JE1300-15.1
JE1300-15.1.1	Daniela Frey	Extract Storage	12/04/24 16:15	Return to Storage
JE1300-16.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:24	Return to Storage
JE1300-16.1	Secured Storage	Dave Hunkele	11/30/24 07:54	Retrieve from Storage
JE1300-16.1	Dave Hunkele	Secured Staging Area	11/30/24 07:54	Return to Storage
JE1300-16.1	Secured Staging Area	Alejandra Cruz	12/02/24 15:39	Retrieve from Storage
JE1300-16.1	Secured Storage	Ellen Dondeo	12/03/24 09:58	Retrieve from Storage
Analyst unavailable for custody transfer.				
JE1300-16.1	Ellen Dondeo	Secured Storage	12/03/24 17:27	Return to Storage
JE1300-16.1.1	Alejandra Cruz	Organics Prep	12/02/24 15:39	Extract from JE1300-16.1
JE1300-16.1.1	Organics Prep	Daniela Frey	12/04/24 16:15	Extract from JE1300-16.1
JE1300-16.1.1	Daniela Frey	Extract Storage	12/04/24 16:15	Return to Storage
JE1300-17.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:24	Return to Storage
JE1300-17.1	Secured Storage	Dave Hunkele	11/30/24 07:54	Retrieve from Storage
JE1300-17.1	Dave Hunkele	Secured Staging Area	11/30/24 07:54	Return to Storage
JE1300-17.1	Secured Staging Area	Alejandra Cruz	12/02/24 15:39	Retrieve from Storage
JE1300-17.1	Secured Storage	Ellen Dondeo	12/03/24 09:58	Retrieve from Storage
Analyst unavailable for custody transfer.				
JE1300-17.1	Ellen Dondeo	Secured Storage	12/03/24 17:27	Return to Storage
JE1300-17.1.1	Alejandra Cruz	Organics Prep	12/02/24 15:39	Extract from JE1300-17.1
JE1300-17.1.1	Organics Prep	Daniela Frey	12/04/24 16:15	Extract from JE1300-17.1
JE1300-17.1.1	Daniela Frey	Extract Storage	12/04/24 16:15	Return to Storage

SGS Internal Chain of Custody

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Received: 11/22/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE1300-18.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:24	Return to Storage
JE1300-18.1	Secured Storage	Dave Hunkele	11/30/24 07:51	Retrieve from Storage
JE1300-18.1	Dave Hunkele	Secured Staging Area	11/30/24 07:54	Return to Storage
JE1300-18.1	Secured Staging Area	Alejandra Cruz	12/02/24 15:39	Retrieve from Storage
JE1300-18.1	Secured Storage	Ellen Dondeo	12/03/24 09:58	Retrieve from Storage
Analyst unavailable for custody transfer.				
JE1300-18.1	Ellen Dondeo	Secured Storage	12/03/24 17:27	Return to Storage
JE1300-18.1.1	Alejandra Cruz	Organics Prep	12/02/24 15:39	Extract from JE1300-18.1
JE1300-18.1.1	Organics Prep	Daniela Frey	12/04/24 16:15	Extract from JE1300-18.1
JE1300-18.1.1	Daniela Frey	Extract Storage	12/04/24 16:15	Return to Storage
JE1300-19.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:24	Return to Storage
JE1300-19.1	Secured Storage	Dave Hunkele	11/30/24 07:51	Retrieve from Storage
JE1300-19.1	Dave Hunkele	Secured Staging Area	11/30/24 07:54	Return to Storage
JE1300-19.1	Secured Staging Area	Alejandra Cruz	12/02/24 15:39	Retrieve from Storage
JE1300-19.1	Secured Storage	Ellen Dondeo	12/03/24 09:58	Retrieve from Storage
Analyst unavailable for custody transfer.				
JE1300-19.1	Ellen Dondeo	Secured Storage	12/03/24 17:27	Return to Storage
JE1300-19.1.1	Alejandra Cruz	Organics Prep	12/02/24 15:39	Extract from JE1300-19.1
JE1300-19.1.1	Organics Prep	Daniela Frey	12/04/24 16:15	Extract from JE1300-19.1
JE1300-19.1.1	Daniela Frey	Extract Storage	12/04/24 16:15	Return to Storage
JE1300-20.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:24	Return to Storage
JE1300-20.1	Secured Storage	Dave Hunkele	11/30/24 07:51	Retrieve from Storage
JE1300-20.1	Dave Hunkele	Secured Staging Area	11/30/24 07:54	Return to Storage
JE1300-20.1	Secured Staging Area	Alejandra Cruz	12/02/24 15:39	Retrieve from Storage
JE1300-20.1	Secured Storage	Ellen Dondeo	12/03/24 09:58	Retrieve from Storage
Analyst unavailable for custody transfer.				
JE1300-20.1	Ellen Dondeo	Secured Storage	12/03/24 17:27	Return to Storage
JE1300-20.1.1	Alejandra Cruz	Organics Prep	12/02/24 15:39	Extract from JE1300-20.1
JE1300-20.1.1	Organics Prep	Daniela Frey	12/04/24 16:15	Extract from JE1300-20.1
JE1300-20.1.1	Daniela Frey	Extract Storage	12/04/24 16:15	Return to Storage
JE1300-21.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:24	Return to Storage
JE1300-21.1	Secured Storage	Dave Hunkele	11/30/24 07:51	Retrieve from Storage
JE1300-21.1	Dave Hunkele	Secured Staging Area	11/30/24 07:54	Return to Storage
JE1300-21.1	Secured Staging Area	Alejandra Cruz	12/02/24 15:44	Retrieve from Storage
JE1300-21.1	Alejandra Cruz	Secured Storage	12/02/24 19:41	Return to Storage
JE1300-21.1.1	Alejandra Cruz	Organics Prep	12/02/24 15:45	Extract from JE1300-21.1
JE1300-21.1.1	Organics Prep	Erin Burke	12/02/24 17:36	Extract from JE1300-21.1

SGS Internal Chain of Custody

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Received: 11/22/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE1300-21.1.1	Erin Burke	Extract Storage	12/02/24 17:36	Return to Storage
JE1300-21.1.2	Alejandra Cruz	Organics Prep	12/02/24 15:45	Extract from JE1300-21.1
JE1300-21.1.2	Organics Prep	Erin Burke	12/02/24 17:36	Extract from JE1300-21.1
JE1300-21.1.2	Erin Burke	Extract Storage	12/02/24 17:36	Return to Storage
JE1300-21.1.2	Extract Storage	Christine Phillips	12/03/24 02:09	Retrieve from Storage
JE1300-21.1.2	Christine Phillips	GC8G	12/03/24 02:09	Load on Instrument
JE1300-22.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:24	Return to Storage
JE1300-22.1	Secured Storage	Dave Hunkele	11/30/24 07:54	Retrieve from Storage
JE1300-22.1	Dave Hunkele	Secured Staging Area	11/30/24 07:54	Return to Storage
JE1300-22.1	Secured Staging Area	Alejandra Cruz	12/02/24 15:39	Retrieve from Storage
JE1300-22.1	Secured Storage	Ellen Dondeo	12/03/24 09:58	Retrieve from Storage
Analyst unavailable for custody transfer.				
JE1300-22.1	Ellen Dondeo	Secured Storage	12/03/24 17:27	Return to Storage
JE1300-22.1.1	Alejandra Cruz	Organics Prep	12/02/24 15:39	Extract from JE1300-22.1
JE1300-22.1.1	Organics Prep	Daniela Frey	12/04/24 16:15	Extract from JE1300-22.1
JE1300-22.1.1	Daniela Frey	Extract Storage	12/04/24 16:15	Return to Storage
JE1300-23.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:24	Return to Storage
JE1300-23.1	Secured Storage	Dave Hunkele	11/30/24 07:54	Retrieve from Storage
JE1300-23.1	Dave Hunkele	Secured Staging Area	11/30/24 07:54	Return to Storage
JE1300-23.1	Secured Storage	Ellen Dondeo	12/03/24 11:00	Retrieve from Storage
Analyst unavailable for custody transfer.				
JE1300-23.1	Ellen Dondeo	Secured Storage	12/03/24 17:27	Return to Storage
JE1300-23.1.1	Ellen Dondeo	Organics Prep	12/03/24 11:19	Extract from JE1300-23.1
JE1300-23.1.1	Organics Prep	Daniela Frey	12/04/24 16:16	Extract from JE1300-23.1
JE1300-23.1.1	Daniela Frey	Extract Storage	12/04/24 16:16	Return to Storage
JE1300-24.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:24	Return to Storage
JE1300-24.1	Secured Storage	Dave Hunkele	11/30/24 07:54	Retrieve from Storage
JE1300-24.1	Dave Hunkele	Secured Staging Area	11/30/24 07:54	Return to Storage
JE1300-24.1	Secured Storage	Ellen Dondeo	12/03/24 11:00	Retrieve from Storage
Analyst unavailable for custody transfer.				
JE1300-24.1	Ellen Dondeo	Secured Storage	12/03/24 17:27	Return to Storage
JE1300-24.1.1	Ellen Dondeo	Organics Prep	12/03/24 11:19	Extract from JE1300-24.1
JE1300-24.1.1	Organics Prep	Daniela Frey	12/04/24 16:16	Extract from JE1300-24.1
JE1300-24.1.1	Daniela Frey	Extract Storage	12/04/24 16:16	Return to Storage
JE1300-25.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:24	Return to Storage
JE1300-25.1	Secured Storage	Dave Hunkele	11/30/24 07:51	Retrieve from Storage

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Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE1300-25.1	Dave Hunkele	Secured Staging Area	11/30/24 07:54	Return to Storage
JE1300-25.1	Secured Storage	Ellen Dondeo	12/03/24 11:00	Retrieve from Storage
Analyst unavailable for custody transfer.				
JE1300-25.1	Ellen Dondeo	Secured Storage	12/03/24 17:27	Return to Storage
JE1300-25.1.1	Ellen Dondeo	Organics Prep	12/03/24 11:19	Extract from JE1300-25.1
JE1300-25.1.1	Organics Prep	Daniela Frey	12/04/24 16:16	Extract from JE1300-25.1
JE1300-25.1.1	Daniela Frey	Extract Storage	12/04/24 16:16	Return to Storage
JE1300-26.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:24	Return to Storage
JE1300-26.1	Secured Storage	Dave Hunkele	11/30/24 07:51	Retrieve from Storage
JE1300-26.1	Dave Hunkele	Secured Staging Area	11/30/24 07:54	Return to Storage
JE1300-26.1	Secured Storage	Ellen Dondeo	12/03/24 11:00	Retrieve from Storage
Analyst unavailable for custody transfer.				
JE1300-26.1	Ellen Dondeo	Secured Storage	12/03/24 17:27	Return to Storage
JE1300-26.1.1	Ellen Dondeo	Organics Prep	12/03/24 11:19	Extract from JE1300-26.1
JE1300-26.1.1	Organics Prep	Daniela Frey	12/04/24 16:16	Extract from JE1300-26.1
JE1300-26.1.1	Daniela Frey	Extract Storage	12/04/24 16:16	Return to Storage
JE1300-27.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:24	Return to Storage
JE1300-27.1	Secured Storage	Dave Hunkele	11/30/24 07:51	Retrieve from Storage
JE1300-27.1	Dave Hunkele	Secured Staging Area	11/30/24 07:54	Return to Storage
JE1300-27.1	Secured Storage	Ellen Dondeo	12/03/24 11:00	Retrieve from Storage
Analyst unavailable for custody transfer.				
JE1300-27.1	Ellen Dondeo	Secured Storage	12/03/24 17:27	Return to Storage
JE1300-27.1.1	Ellen Dondeo	Organics Prep	12/03/24 11:19	Extract from JE1300-27.1
JE1300-27.1.1	Organics Prep	Daniela Frey	12/04/24 16:16	Extract from JE1300-27.1
JE1300-27.1.1	Daniela Frey	Extract Storage	12/04/24 16:16	Return to Storage
JE1300-28.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:24	Return to Storage
JE1300-28.1	Secured Storage	Dave Hunkele	11/30/24 07:51	Retrieve from Storage
JE1300-28.1	Dave Hunkele	Secured Staging Area	11/30/24 07:54	Return to Storage
JE1300-28.1	Secured Storage	Ellen Dondeo	12/03/24 11:00	Retrieve from Storage
Analyst unavailable for custody transfer.				
JE1300-28.1	Ellen Dondeo	Secured Storage	12/03/24 17:27	Return to Storage
JE1300-28.1.1	Ellen Dondeo	Organics Prep	12/03/24 11:19	Extract from JE1300-28.1
JE1300-28.1.1	Organics Prep	Daniela Frey	12/04/24 16:16	Extract from JE1300-28.1
JE1300-28.1.1	Daniela Frey	Extract Storage	12/04/24 16:16	Return to Storage
JE1300-29.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:24	Return to Storage
JE1300-29.1	Secured Storage	Dave Hunkele	11/30/24 07:51	Retrieve from Storage

SGS Internal Chain of Custody

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Received: 11/22/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE1300-29.1	Dave Hunkele	Secured Staging Area	11/30/24 07:54	Return to Storage
JE1300-29.1	Secured Storage	Ellen Dondeo	12/03/24 11:00	Retrieve from Storage
Analyst unavailable for custody transfer.				
JE1300-29.1	Ellen Dondeo	Secured Storage	12/03/24 17:27	Return to Storage
JE1300-29.1.1	Ellen Dondeo	Organics Prep	12/03/24 11:19	Extract from JE1300-29.1
JE1300-29.1.1	Organics Prep	Daniela Frey	12/04/24 16:16	Extract from JE1300-29.1
JE1300-29.1.1	Daniela Frey	Extract Storage	12/04/24 16:16	Return to Storage
JE1300-30.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:24	Return to Storage
JE1300-30.1	Secured Storage	Dave Hunkele	11/30/24 07:54	Retrieve from Storage
JE1300-30.1	Dave Hunkele	Secured Staging Area	11/30/24 07:54	Return to Storage
JE1300-30.1	Secured Storage	Ellen Dondeo	12/03/24 11:00	Retrieve from Storage
Analyst unavailable for custody transfer.				
JE1300-30.1	Ellen Dondeo	Secured Storage	12/03/24 17:27	Return to Storage
JE1300-30.1.1	Ellen Dondeo	Organics Prep	12/03/24 11:19	Extract from JE1300-30.1
JE1300-30.1.1	Organics Prep	Daniela Frey	12/04/24 16:16	Extract from JE1300-30.1
JE1300-30.1.1	Daniela Frey	Extract Storage	12/04/24 16:16	Return to Storage
JE1300-31.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:24	Return to Storage
JE1300-31.1	Secured Storage	Dave Hunkele	11/30/24 07:54	Retrieve from Storage
JE1300-31.1	Dave Hunkele	Secured Staging Area	11/30/24 07:54	Return to Storage
JE1300-31.1	Secured Storage	Ellen Dondeo	12/03/24 11:00	Retrieve from Storage
Analyst unavailable for custody transfer.				
JE1300-31.1	Ellen Dondeo	Secured Storage	12/03/24 17:27	Return to Storage
JE1300-31.1.1	Ellen Dondeo	Organics Prep	12/03/24 11:19	Extract from JE1300-31.1
JE1300-31.1.1	Organics Prep	Daniela Frey	12/04/24 16:16	Extract from JE1300-31.1
JE1300-31.1.1	Daniela Frey	Extract Storage	12/04/24 16:16	Return to Storage
JE1300-32.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:24	Return to Storage
JE1300-32.1	Secured Storage	Dave Hunkele	11/30/24 07:54	Retrieve from Storage
JE1300-32.1	Dave Hunkele	Secured Staging Area	11/30/24 07:54	Return to Storage
JE1300-32.1	Secured Staging Area	Alejandra Cruz	12/02/24 15:44	Retrieve from Storage
JE1300-32.1	Alejandra Cruz	Secured Storage	12/02/24 19:41	Return to Storage
JE1300-32.1.1	Alejandra Cruz	Organics Prep	12/02/24 15:45	Extract from JE1300-32.1
JE1300-32.1.1	Organics Prep	Erin Burke	12/02/24 17:36	Extract from JE1300-32.1
JE1300-32.1.1	Erin Burke	Extract Storage	12/02/24 17:36	Return to Storage
JE1300-32.1.2	Alejandra Cruz	Organics Prep	12/02/24 15:45	Extract from JE1300-32.1
JE1300-32.1.2	Organics Prep	Erin Burke	12/02/24 17:36	Extract from JE1300-32.1
JE1300-32.1.2	Erin Burke	Extract Storage	12/02/24 17:36	Return to Storage

SGS Internal Chain of Custody

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Received: 11/22/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE1300-32.1.2	Extract Storage	Christine Phillips	12/03/24 02:09	Retrieve from Storage
JE1300-32.1.2	Christine Phillips	GC8G	12/03/24 02:09	Load on Instrument
JE1300-33.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:24	Return to Storage
JE1300-33.1	Secured Storage	Dave Hunkele	11/26/24 06:44	Retrieve from Storage
JE1300-33.1	Dave Hunkele	Secured Staging Area	11/26/24 06:44	Return to Storage
JE1300-33.1	Secured Staging Area	Marcin Kotowski	11/26/24 08:13	Retrieve from Storage
JE1300-33.1	Marcin Kotowski	Secured Storage	11/26/24 17:46	Return to Storage
JE1300-33.1	Secured Storage	Dave Hunkele	11/30/24 07:51	Retrieve from Storage
JE1300-33.1	Dave Hunkele	Secured Staging Area	11/30/24 07:54	Return to Storage
JE1300-33.1	Secured Storage	Ellen Dondeo	12/03/24 11:00	Retrieve from Storage
Analyst unavailable for custody transfer.				
JE1300-33.1	Ellen Dondeo	Secured Storage	12/03/24 17:27	Return to Storage
JE1300-33.1.1	Ellen Dondeo	Organics Prep	12/03/24 11:19	Extract from JE1300-33.1
JE1300-33.1.1	Organics Prep	Daniela Frey	12/04/24 16:16	Extract from JE1300-33.1
JE1300-33.1.1	Daniela Frey	Extract Storage	12/04/24 16:16	Return to Storage
JE1300-34.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:24	Return to Storage
JE1300-34.1	Secured Storage	Dave Hunkele	11/30/24 07:51	Retrieve from Storage
JE1300-34.1	Dave Hunkele	Secured Staging Area	11/30/24 07:54	Return to Storage
JE1300-34.1	Secured Storage	Ellen Dondeo	12/03/24 11:00	Retrieve from Storage
Analyst unavailable for custody transfer.				
JE1300-34.1	Ellen Dondeo	Secured Storage	12/03/24 17:27	Return to Storage
JE1300-34.1.1	Ellen Dondeo	Organics Prep	12/03/24 11:19	Extract from JE1300-34.1
JE1300-34.1.1	Organics Prep	Daniela Frey	12/04/24 16:16	Extract from JE1300-34.1
JE1300-34.1.1	Daniela Frey	Extract Storage	12/04/24 16:16	Return to Storage
JE1300-35.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:24	Return to Storage
JE1300-35.1	Secured Storage	Dave Hunkele	11/26/24 06:44	Retrieve from Storage
JE1300-35.1	Dave Hunkele	Secured Staging Area	11/26/24 06:44	Return to Storage
JE1300-35.1	Secured Staging Area	Marcin Kotowski	11/26/24 08:13	Retrieve from Storage
JE1300-35.1	Marcin Kotowski	Secured Storage	11/26/24 17:46	Return to Storage
JE1300-35.1	Secured Storage	Dave Hunkele	11/30/24 07:51	Retrieve from Storage
JE1300-35.1	Dave Hunkele	Secured Staging Area	11/30/24 07:54	Return to Storage
JE1300-35.1	Secured Storage	Ellen Dondeo	12/03/24 11:00	Retrieve from Storage
Analyst unavailable for custody transfer.				
JE1300-35.1	Ellen Dondeo	Secured Storage	12/03/24 17:27	Return to Storage
JE1300-35.1.1	Ellen Dondeo	Organics Prep	12/03/24 11:19	Extract from JE1300-35.1
JE1300-35.1.1	Organics Prep	Daniela Frey	12/04/24 16:16	Extract from JE1300-35.1
JE1300-35.1.1	Daniela Frey	Extract Storage	12/04/24 16:16	Return to Storage

SGS Internal Chain of Custody

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Received: 11/22/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE1300-36.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:24	Return to Storage
JE1300-36.1	Secured Storage	Dave Hunkele	11/30/24 07:51	Retrieve from Storage
JE1300-36.1	Dave Hunkele	Secured Staging Area	11/30/24 07:54	Return to Storage
JE1300-36.1	Secured Storage	Ellen Dondeo	12/03/24 11:00	Retrieve from Storage
Analyst unavailable for custody transfer.				
JE1300-36.1	Ellen Dondeo	Secured Storage	12/03/24 17:27	Return to Storage
JE1300-37.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:24	Return to Storage
JE1300-37.1	Secured Storage	Dave Hunkele	11/26/24 06:44	Retrieve from Storage
JE1300-37.1	Dave Hunkele	Secured Staging Area	11/26/24 06:44	Return to Storage
JE1300-37.1	Secured Staging Area	Marcin Kotowski	11/26/24 08:13	Retrieve from Storage
JE1300-37.1	Marcin Kotowski	Secured Storage	11/26/24 17:46	Return to Storage
JE1300-37.1	Secured Storage	Dave Hunkele	11/30/24 07:51	Retrieve from Storage
JE1300-37.1	Dave Hunkele	Secured Staging Area	11/30/24 07:54	Return to Storage
JE1300-37.1	Secured Storage	Ellen Dondeo	12/03/24 11:00	Retrieve from Storage
Analyst unavailable for custody transfer.				
JE1300-37.1	Ellen Dondeo	Secured Storage	12/03/24 17:27	Return to Storage
JE1300-37.1.1	Ellen Dondeo	Organics Prep	12/03/24 11:19	Extract from JE1300-37.1
JE1300-37.1.1	Organics Prep	Daniela Frey	12/04/24 16:16	Extract from JE1300-37.1
JE1300-37.1.1	Daniela Frey	Extract Storage	12/04/24 16:16	Return to Storage
JE1300-38.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:24	Return to Storage
JE1300-38.1	Secured Storage	Dave Hunkele	11/30/24 07:54	Retrieve from Storage
JE1300-38.1	Dave Hunkele	Secured Staging Area	11/30/24 07:54	Return to Storage
JE1300-38.1	Secured Storage	Ellen Dondeo	12/03/24 11:00	Retrieve from Storage
Analyst unavailable for custody transfer.				
JE1300-38.1	Ellen Dondeo	Secured Storage	12/03/24 17:27	Return to Storage
JE1300-38.1	Secured Storage	Dave Hunkele	12/13/24 05:22	Retrieve from Storage
JE1300-38.1	Dave Hunkele	Secured Staging Area	12/13/24 05:22	Return to Storage
JE1300-38.1	Secured Staging Area	Marcin Kotowski	12/13/24 08:15	Retrieve from Storage
JE1300-38.1	Marcin Kotowski	Secured Storage	12/13/24 15:54	Return to Storage
JE1300-38.1.1	Ellen Dondeo	Organics Prep	12/03/24 11:19	Extract from JE1300-38.1
JE1300-38.1.1	Organics Prep	Daniela Frey	12/04/24 16:16	Extract from JE1300-38.1
JE1300-38.1.1	Daniela Frey	Extract Storage	12/04/24 16:16	Return to Storage
JE1300-39.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:24	Return to Storage
JE1300-39.1	Secured Storage	Dave Hunkele	11/26/24 06:44	Retrieve from Storage
JE1300-39.1	Dave Hunkele	Secured Staging Area	11/26/24 06:44	Return to Storage
JE1300-39.1	Secured Staging Area	Marcin Kotowski	11/26/24 08:13	Retrieve from Storage
JE1300-39.1	Marcin Kotowski	Secured Storage	11/26/24 17:46	Return to Storage
JE1300-39.1	Secured Storage	Dave Hunkele	11/30/24 07:51	Retrieve from Storage
JE1300-39.1	Dave Hunkele	Secured Staging Area	11/30/24 07:54	Return to Storage

SGS Internal Chain of Custody

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Received: 11/22/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE1300-39.1	Secured Storage	Ellen Dondeo	12/03/24 11:00	Retrieve from Storage
Analyst unavailable for custody transfer.				
JE1300-39.1	Ellen Dondeo	Secured Storage	12/03/24 17:27	Return to Storage
JE1300-39.1.1	Ellen Dondeo	Organics Prep	12/03/24 11:19	Extract from JE1300-39.1
JE1300-39.1.1	Organics Prep	Daniela Frey	12/04/24 16:16	Extract from JE1300-39.1
JE1300-39.1.1	Daniela Frey	Extract Storage	12/04/24 16:16	Return to Storage
JE1300-40.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:24	Return to Storage
JE1300-40.1	Secured Storage	Dave Hunkele	11/30/24 07:54	Retrieve from Storage
JE1300-40.1	Dave Hunkele	Secured Staging Area	11/30/24 07:54	Return to Storage
JE1300-40.1	Secured Storage	Ellen Dondeo	12/03/24 11:00	Retrieve from Storage
Analyst unavailable for custody transfer.				
JE1300-40.1	Ellen Dondeo	Secured Storage	12/03/24 17:27	Return to Storage
JE1300-40.1.1	Ellen Dondeo	Organics Prep	12/03/24 11:19	Extract from JE1300-40.1
JE1300-40.1.1	Organics Prep	Daniela Frey	12/04/24 16:16	Extract from JE1300-40.1
JE1300-40.1.1	Daniela Frey	Extract Storage	12/04/24 16:16	Return to Storage
JE1300-41.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:24	Return to Storage
JE1300-41.1	Secured Storage	Dave Hunkele	11/26/24 06:44	Retrieve from Storage
JE1300-41.1	Dave Hunkele	Secured Staging Area	11/26/24 06:44	Return to Storage
JE1300-41.1	Secured Staging Area	Marcin Kotowski	11/26/24 08:13	Retrieve from Storage
JE1300-41.1	Marcin Kotowski	Secured Storage	11/26/24 17:46	Return to Storage
JE1300-41.1	Secured Storage	Dave Hunkele	11/30/24 07:51	Retrieve from Storage
JE1300-41.1	Dave Hunkele	Secured Staging Area	11/30/24 07:54	Return to Storage
JE1300-41.1	Secured Storage	Ellen Dondeo	12/03/24 11:18	Retrieve from Storage
Analyst unavailable for custody transfer.				
JE1300-41.1	Ellen Dondeo	Secured Storage	12/03/24 17:27	Return to Storage
JE1300-41.1.1	Ellen Dondeo	Organics Prep	12/03/24 11:19	Extract from JE1300-41.1
JE1300-41.1.1	Organics Prep	Daniela Frey	12/04/24 16:16	Extract from JE1300-41.1
JE1300-41.1.1	Daniela Frey	Extract Storage	12/04/24 16:16	Return to Storage
JE1300-42.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:24	Return to Storage
JE1300-42.1	Secured Storage	Dave Hunkele	11/30/24 07:51	Retrieve from Storage
JE1300-42.1	Dave Hunkele	Secured Staging Area	11/30/24 07:54	Return to Storage
JE1300-42.1	Secured Storage	Ellen Dondeo	12/03/24 11:18	Retrieve from Storage
Analyst unavailable for custody transfer.				
JE1300-42.1	Ellen Dondeo	Secured Storage	12/03/24 17:27	Return to Storage
JE1300-42.1.1	Ellen Dondeo	Organics Prep	12/03/24 11:19	Extract from JE1300-42.1
JE1300-42.1.1	Organics Prep	Daniela Frey	12/04/24 16:16	Extract from JE1300-42.1
JE1300-42.1.1	Daniela Frey	Extract Storage	12/04/24 16:16	Return to Storage

SGS Internal Chain of Custody

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Received: 11/22/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE1300-43.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:24	Return to Storage
JE1300-43.1	Secured Storage	Dave Hunkele	11/26/24 06:44	Retrieve from Storage
JE1300-43.1	Dave Hunkele	Secured Staging Area	11/26/24 06:44	Return to Storage
JE1300-43.1	Secured Staging Area	Marcin Kotowski	11/26/24 08:13	Retrieve from Storage
JE1300-43.1	Marcin Kotowski	Secured Storage	11/26/24 17:46	Return to Storage
JE1300-43.1	Secured Storage	Dave Hunkele	11/30/24 07:51	Retrieve from Storage
JE1300-43.1	Dave Hunkele	Secured Staging Area	11/30/24 07:54	Return to Storage
JE1300-43.1	Secured Storage	Ellen Dondeo	12/03/24 11:18	Retrieve from Storage
Analyst unavailable for custody transfer.				
JE1300-43.1	Ellen Dondeo	Secured Storage	12/03/24 17:27	Return to Storage
JE1300-43.1.1	Ellen Dondeo	Organics Prep	12/03/24 11:19	Extract from JE1300-43.1
JE1300-43.1.1	Organics Prep	Daniela Frey	12/04/24 16:16	Extract from JE1300-43.1
JE1300-43.1.1	Daniela Frey	Extract Storage	12/04/24 16:16	Return to Storage
JE1300-44.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:24	Return to Storage
JE1300-44.1	Secured Storage	Dave Hunkele	11/30/24 07:51	Retrieve from Storage
JE1300-44.1	Dave Hunkele	Secured Staging Area	11/30/24 07:54	Return to Storage
JE1300-44.1	Secured Staging Area	Alejandra Cruz	12/02/24 15:44	Retrieve from Storage
JE1300-44.1	Alejandra Cruz	Secured Storage	12/02/24 19:41	Return to Storage
JE1300-44.1.1	Alejandra Cruz	Organics Prep	12/02/24 15:45	Extract from JE1300-44.1
JE1300-44.1.1	Organics Prep	Erin Burke	12/02/24 17:36	Extract from JE1300-44.1
JE1300-44.1.1	Erin Burke	Extract Storage	12/02/24 17:36	Return to Storage
JE1300-44.1.2	Alejandra Cruz	Organics Prep	12/02/24 15:45	Extract from JE1300-44.1
JE1300-44.1.2	Organics Prep	Erin Burke	12/02/24 17:36	Extract from JE1300-44.1
JE1300-44.1.2	Erin Burke	Extract Storage	12/02/24 17:36	Return to Storage
JE1300-44.1.2	Extract Storage	Christine Phillips	12/03/24 02:09	Retrieve from Storage
JE1300-44.1.2	Christine Phillips	GC8G	12/03/24 02:09	Load on Instrument
JE1300-45.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:24	Return to Storage
JE1300-45.1	Secured Storage	Dave Hunkele	11/30/24 07:54	Retrieve from Storage
JE1300-45.1	Dave Hunkele	Secured Staging Area	11/30/24 07:54	Return to Storage
JE1300-45.1	Secured Storage	Ellen Dondeo	12/03/24 11:18	Retrieve from Storage
Analyst unavailable for custody transfer.				
JE1300-45.1	Ellen Dondeo	Secured Storage	12/03/24 17:27	Return to Storage
JE1300-45.1.1	Ellen Dondeo	Organics Prep	12/03/24 11:21	Extract from JE1300-45.1
JE1300-46.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:24	Return to Storage
JE1300-46.1	Secured Storage	Dave Hunkele	11/30/24 07:54	Retrieve from Storage
JE1300-46.1	Dave Hunkele	Secured Staging Area	11/30/24 07:54	Return to Storage

SGS Internal Chain of Custody

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Received: 11/22/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE1300-46.1	Secured Storage	Ellen Dondeo	12/03/24 11:18	Retrieve from Storage
Analyst unavailable for custody transfer.				
JE1300-46.1	Ellen Dondeo	Secured Storage	12/03/24 17:27	Return to Storage
JE1300-46.1.1	Ellen Dondeo	Organics Prep	12/03/24 11:21	Extract from JE1300-46.1
JE1300-47.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:24	Return to Storage
JE1300-47.1	Secured Storage	Dave Hunkele	11/30/24 07:54	Retrieve from Storage
JE1300-47.1	Dave Hunkele	Secured Staging Area	11/30/24 07:54	Return to Storage
JE1300-47.1	Secured Storage	Ellen Dondeo	12/03/24 11:18	Retrieve from Storage
Analyst unavailable for custody transfer.				
JE1300-47.1	Ellen Dondeo	Secured Storage	12/03/24 17:27	Return to Storage
JE1300-47.1.1	Ellen Dondeo	Organics Prep	12/03/24 11:21	Extract from JE1300-47.1
JE1300-48.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:24	Return to Storage
JE1300-48.1	Secured Storage	Dave Hunkele	11/30/24 07:54	Retrieve from Storage
JE1300-48.1	Dave Hunkele	Secured Staging Area	11/30/24 07:54	Return to Storage
JE1300-48.1	Secured Storage	Ellen Dondeo	12/03/24 11:18	Retrieve from Storage
Analyst unavailable for custody transfer.				
JE1300-48.1	Ellen Dondeo	Secured Storage	12/03/24 17:27	Return to Storage
JE1300-48.1.1	Ellen Dondeo	Organics Prep	12/03/24 11:21	Extract from JE1300-48.1
JE1300-49.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:24	Return to Storage
JE1300-49.1	Secured Storage	Dave Hunkele	11/30/24 07:51	Retrieve from Storage
JE1300-49.1	Dave Hunkele	Secured Staging Area	11/30/24 07:54	Return to Storage
JE1300-49.1	Secured Storage	Ellen Dondeo	12/03/24 11:18	Retrieve from Storage
Analyst unavailable for custody transfer.				
JE1300-49.1	Ellen Dondeo	Secured Storage	12/03/24 17:27	Return to Storage
JE1300-49.1.1	Ellen Dondeo	Organics Prep	12/03/24 11:21	Extract from JE1300-49.1
JE1300-50.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:24	Return to Storage
JE1300-50.1	Secured Storage	Dave Hunkele	11/30/24 07:51	Retrieve from Storage
JE1300-50.1	Dave Hunkele	Secured Staging Area	11/30/24 07:54	Return to Storage
JE1300-50.1	Secured Storage	Ellen Dondeo	12/03/24 11:18	Retrieve from Storage
Analyst unavailable for custody transfer.				
JE1300-50.1	Ellen Dondeo	Secured Storage	12/03/24 17:27	Return to Storage
JE1300-50.1.1	Ellen Dondeo	Organics Prep	12/03/24 11:21	Extract from JE1300-50.1
JE1300-51.1	Seamus D'angiolillo	Secured Storage	11/23/24 17:35	Return to Storage
JE1300-51.1	Secured Storage	Ellen Dondeo	11/29/24 11:51	Retrieve from Storage

SGS Internal Chain of Custody

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Received: 11/22/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE1300-51.1	Ellen Dondeo	Erin Burke	12/02/24 10:49	Custody Transfer
JE1300-51.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1300-51.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1300-51.1	Ellen Dondeo	Erin Burke	12/02/24 10:50	Custody Transfer
Analyst unavailable for custody transfer.				
JE1300-51.1	Erin Burke	Secured Storage	12/02/24 19:40	Return to Storage
JE1300-51.1.1	Ellen Dondeo	Organics Prep	11/29/24 11:51	Extract from JE1300-51.1
JE1300-51.1.1	Organics Prep	Ellen Dondeo	11/29/24 16:50	Extract from JE1300-51.1
JE1300-51.1.1	Ellen Dondeo	Extract Storage	11/29/24 16:50	Return to Storage
JE1300-51.1.1	Extract Storage	Rebecca Krug	12/01/24 06:01	Retrieve from Storage
JE1300-51.1.1	Rebecca Krug	GCRL	12/01/24 06:01	Load on Instrument
JE1300-51.1.1	GCRL	Rebecca Krug	12/10/24 06:31	Unload from Instrument
JE1300-51.1.1	Rebecca Krug	Extract Freezer	12/10/24 06:31	Return to Storage
JE1300-51.1.1	Extract Freezer		01/09/25 09:00	Disposed
JE1300-51.1.2	Ellen Dondeo	Organics Prep	11/29/24 11:59	Extract from JE1300-51.1
JE1300-51.1.2	Organics Prep	Ellen Dondeo	11/29/24 16:51	Extract from JE1300-51.1
JE1300-51.1.2	Ellen Dondeo	Extract Storage	11/29/24 16:51	Return to Storage
JE1300-51.1.2	Extract Storage	Rebecca Krug	12/01/24 06:43	Retrieve from Storage
JE1300-51.1.2	Rebecca Krug	GC8G	12/01/24 06:43	Load on Instrument
JE1300-51.2	Seamus D'angiolillo	Secured Storage	11/23/24 17:35	Return to Storage
JE1300-51.2	Secured Storage	Kevin Brefo	11/27/24 16:06	Retrieve from Storage
JE1300-51.2	Kevin Brefo	Secured Storage	12/27/24 07:46	Return to Storage
JE1300-51.2.1	Kevin Brefo	Organics Prep	11/27/24 16:33	Extract from JE1300-51.2
JE1300-51.2.1	Organics Prep	Ellen Dondeo	11/29/24 17:31	Extract from JE1300-51.2
JE1300-51.2.1	Ellen Dondeo	Extract Storage	11/29/24 17:31	Return to Storage
JE1300-51.2.1	Extract Storage		01/07/25 09:00	Disposed
JE1300-51.3	Seamus D'angiolillo	Secured Storage	11/23/24 17:35	Return to Storage
JE1300-51.4	Seamus D'angiolillo	Secured Storage	11/23/24 17:35	Return to Storage
JE1300-51.5	Seamus D'angiolillo	Secured Storage	11/23/24 17:35	Return to Storage
JE1300-51.5	Secured Storage	Joe Waddington	11/25/24 22:25	Retrieve from Storage
JE1300-51.5	Joe Waddington	Secured Staging Area	11/25/24 22:25	Return to Storage
JE1300-51.5	Secured Staging Area	Brianna Perez	11/26/24 06:10	Retrieve from Storage
JE1300-51.5	Brianna Perez	Secured Storage	11/27/24 06:27	Return to Storage
JE1300-51.6	Seamus D'angiolillo	Secured Storage	11/23/24 17:35	Return to Storage

SGS Internal Chain of Custody

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Received: 11/22/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE1300-51.6	Secured Storage	Taylor Gorman	11/29/24 08:52	Retrieve from Storage
JE1300-51.6	Taylor Gorman	Secured Staging Area	11/29/24 08:52	Return to Storage
JE1300-51.6	Secured Staging Area	Melissa Saenz	11/29/24 10:43	Retrieve from Storage
JE1300-51.6	Melissa Saenz	Secured Storage	12/01/24 20:10	Return to Storage
JE1300-51.7	Seamus D'angiolillo	Secured Storage	11/23/24 17:16	Return to Storage
JE1300-51.7	Nicholas Weigand	GCMS4A	11/25/24 16:20	Load on Instrument
Analyst chain of custody update error.				
JE1300-51.7	GCMS4A	Camille Fiumara	12/02/24 14:22	Unload from Instrument
JE1300-51.7	Camille Fiumara	Secured Storage	12/02/24 14:22	Return to Storage
JE1300-51.8	Seamus D'angiolillo	Secured Storage	11/23/24 17:16	Return to Storage
JE1300-51.9	Seamus D'angiolillo	Secured Storage	11/23/24 17:16	Return to Storage

MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V4A342-MB	4A12039.D	1	11/25/24	ED	n/a	n/a	V4A342

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE1300-51

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	

Method Blank Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V4A342-MB	4A12039.D	1	11/25/24	ED	n/a	n/a	V4A342

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE1300-51

CAS No.	Compound	Result	RL	MDL	Units	Q
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	105%	80-120%
17060-07-0	1,2-Dichloroethane-D4	101%	80-120%
2037-26-5	Toluene-D8	106%	80-120%
460-00-4	4-Bromofluorobenzene	101%	82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.24	14	ug/l	J
	Total TIC, Volatile		0	ug/l	

Blank Spike Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V4A342-BS	4A12035.D	1	11/25/24	ED	n/a	n/a	V4A342

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE1300-51

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	200	198	99	27-175
71-43-2	Benzene	50	47.7	95	80-115
74-97-5	Bromochloromethane	50	51.2	102	83-122
75-27-4	Bromodichloromethane	50	47.3	95	82-119
75-25-2	Bromoform	50	53.4	107	77-135
74-83-9	Bromomethane	50	68.7	137	40-162
78-93-3	2-Butanone (MEK)	200	225	113	61-150
75-15-0	Carbon disulfide	50	50.4	101	64-130
56-23-5	Carbon tetrachloride	50	50.9	102	75-127
108-90-7	Chlorobenzene	50	52.2	104	80-115
75-00-3	Chloroethane	50	53.8	108	56-144
67-66-3	Chloroform	50	46.8	94	75-116
74-87-3	Chloromethane	50	43.0	86	41-153
110-82-7	Cyclohexane	50	50.4	101	66-129
96-12-8	1,2-Dibromo-3-chloropropane	50	55.2	110	69-134
124-48-1	Dibromochloromethane	50	53.0	106	81-123
106-93-4	1,2-Dibromoethane	50	52.5	105	67-138
95-50-1	1,2-Dichlorobenzene	50	57.3	115	81-117
541-73-1	1,3-Dichlorobenzene	50	56.9	114	81-115
106-46-7	1,4-Dichlorobenzene	50	55.5	111	80-114
75-71-8	Dichlorodifluoromethane	50	38.7	77	43-152
75-34-3	1,1-Dichloroethane	50	48.9	98	75-125
107-06-2	1,2-Dichloroethane	50	44.2	88	73-117
75-35-4	1,1-Dichloroethene	50	51.2	102	70-124
156-59-2	cis-1,2-Dichloroethene	50	50.4	101	80-120
156-60-5	trans-1,2-Dichloroethene	50	50.8	102	77-121
78-87-5	1,2-Dichloropropane	50	52.5	105	79-121
10061-01-5	cis-1,3-Dichloropropene	50	51.6	103	83-123
10061-02-6	trans-1,3-Dichloropropene	50	52.2	104	83-122
100-41-4	Ethylbenzene	50	49.7	99	78-116
76-13-1	Freon 113	50	55.6	111	68-134
591-78-6	2-Hexanone	200	194	97	66-136
98-82-8	Isopropylbenzene	50	49.7	99	78-121
79-20-9	Methyl Acetate	50	54.0	108	60-143
108-87-2	Methylcyclohexane	50	53.3	107	71-123
1634-04-4	Methyl Tert Butyl Ether	50	51.6	103	76-123

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V4A342-BS	4A12035.D	1	11/25/24	ED	n/a	n/a	V4A342

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE1300-51

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	200	199	100	73-134
75-09-2	Methylene chloride	50	49.3	99	73-123
100-42-5	Styrene	50	52.4	105	81-125
79-34-5	1,1,2,2-Tetrachloroethane	50	59.1	118	73-126
127-18-4	Tetrachloroethene	50	51.7	103	73-119
108-88-3	Toluene	50	51.1	102	79-116
87-61-6	1,2,3-Trichlorobenzene	50	51.6	103	63-137
120-82-1	1,2,4-Trichlorobenzene	50	54.9	110	68-135
71-55-6	1,1,1-Trichloroethane	50	49.8	100	76-124
79-00-5	1,1,2-Trichloroethane	50	51.1	102	83-117
79-01-6	Trichloroethene	50	50.8	102	80-118
75-69-4	Trichlorofluoromethane	50	51.0	102	67-134
75-01-4	Vinyl chloride	50	45.7	91	52-146
	m,p-Xylene	100	102	102	79-119
95-47-6	o-Xylene	50	53.5	107	81-119
1330-20-7	Xylene (total)	150	155	103	80-119

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	80-120%
17060-07-0	1,2-Dichloroethane-D4	93%	80-120%
2037-26-5	Toluene-D8	100%	80-120%
460-00-4	4-Bromofluorobenzene	106%	82-114%

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE1219-1MS	4A12059.D	1	11/25/24	ED	n/a	n/a	V4A342
JE1219-1	4A12047.D	1	11/25/24	ED	n/a	n/a	V4A342

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE1300-51

CAS No.	Compound	JE1219-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Limits
67-64-1	Acetone	ND		200	154	77	22-134
71-43-2	Benzene	ND		50	51.3	103	49-137
74-97-5	Bromochloromethane	ND		50	52.2	104	78-122
75-27-4	Bromodichloromethane	ND		50	49.8	100	76-121
75-25-2	Bromoform	ND		50	52.6	105	70-133
74-83-9	Bromomethane	ND		50	35.2	70	27-164
78-93-3	2-Butanone (MEK)	ND		200	204	102	52-137
75-15-0	Carbon disulfide	ND		50	49.2	98	54-136
56-23-5	Carbon tetrachloride	ND		50	54.3	109	70-132
108-90-7	Chlorobenzene	ND		50	58.7	117	68-123
75-00-3	Chloroethane	ND		50	33.7	67	48-152
67-66-3	Chloroform	ND		50	50.0	100	68-120
74-87-3	Chloromethane	ND		50	20.1	40	35-156
110-82-7	Cyclohexane	ND		50	29.1	58	53-146
96-12-8	1,2-Dibromo-3-chloropropane	ND		50	57.7	115	63-134
124-48-1	Dibromochloromethane	ND		50	55.8	112	75-122
106-93-4	1,2-Dibromoethane	ND		50	56.1	112	63-134
95-50-1	1,2-Dichlorobenzene	ND		50	62.6	125* [a]	74-119
541-73-1	1,3-Dichlorobenzene	ND		50	61.6	123* [a]	75-117
106-46-7	1,4-Dichlorobenzene	ND		50	59.8	120* [a]	72-117
75-71-8	Dichlorodifluoromethane	ND		50	28.0	56	34-163
75-34-3	1,1-Dichloroethane	ND		50	51.1	102	68-129
107-06-2	1,2-Dichloroethane	ND		50	46.1	92	66-120
75-35-4	1,1-Dichloroethene	ND		50	53.4	107	59-133
156-59-2	cis-1,2-Dichloroethene	ND		50	53.2	106	52-140
156-60-5	trans-1,2-Dichloroethene	ND		50	54.9	110	70-125
78-87-5	1,2-Dichloropropane	ND		50	54.3	109	73-124
10061-01-5	cis-1,3-Dichloropropene	ND		50	56.3	113	75-125
10061-02-6	trans-1,3-Dichloropropene	ND		50	54.1	108	75-122
100-41-4	Ethylbenzene	ND		50	55.4	111	37-144
76-13-1	Freon 113	ND		50	57.4	115	61-142
591-78-6	2-Hexanone	ND		200	197	99	56-132
98-82-8	Isopropylbenzene	ND		50	56.1	112	71-126
79-20-9	Methyl Acetate	ND		50	49.3	99	51-139
108-87-2	Methylcyclohexane	ND		50	55.9	112	59-137
1634-04-4	Methyl Tert Butyl Ether	ND		50	49.8	100	66-124

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE1219-1MS	4A12059.D	1	11/25/24	ED	n/a	n/a	V4A342
JE1219-1	4A12047.D	1	11/25/24	ED	n/a	n/a	V4A342

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE1300-51

CAS No.	Compound	JE1219-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		200	211	106	65-135
75-09-2	Methylene chloride	ND		50	50.1	100	66-125
100-42-5	Styrene	ND		50	57.0	114	71-133
79-34-5	1,1,2,2-Tetrachloroethane	ND		50	60.6	121	68-127
127-18-4	Tetrachloroethene	ND		50	56.2	112	58-132
108-88-3	Toluene	ND		50	56.0	112	46-139
87-61-6	1,2,3-Trichlorobenzene	ND		50	54.3	109	57-136
120-82-1	1,2,4-Trichlorobenzene	ND		50	60.9	122	61-137
71-55-6	1,1,1-Trichloroethane	ND		50	54.6	109	67-132
79-00-5	1,1,2-Trichloroethane	ND		50	54.8	110	75-120
79-01-6	Trichloroethene	ND		50	55.3	111	56-136
75-69-4	Trichlorofluoromethane	ND		50	40.5	81	61-145
75-01-4	Vinyl chloride	ND		50	25.7	51	41-156
	m,p-Xylene	ND		100	114	114	32-151
95-47-6	o-Xylene	ND		50	58.6	117	50-139
1330-20-7	Xylene (total)	ND		150	173	115	38-147

CAS No.	Surrogate Recoveries	MS	JE1219-1	Limits
1868-53-7	Dibromofluoromethane	102%	110%	80-120%
17060-07-0	1,2-Dichloroethane-D4	92%	103%	80-120%
2037-26-5	Toluene-D8	102%	107%	80-120%
460-00-4	4-Bromofluorobenzene	104%	98%	82-114%

(a) Outside control limits due to matrix interference.

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE1219-3DUP	4A12063.D	1	11/25/24	ED	n/a	n/a	V4A342
JE1219-3	4A12049.D	1	11/25/24	ED	n/a	n/a	V4A342

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE1300-51

CAS No.	Compound	JE1219-3 ug/l	Q	DUP ug/l	Q	RPD	Limits
67-64-1	Acetone	ND		ND		nc	23
71-43-2	Benzene	ND		ND		nc	14
74-97-5	Bromochloromethane	ND		ND		nc	20
75-27-4	Bromodichloromethane	ND		ND		nc	10
75-25-2	Bromoform	ND		ND		nc	10
74-83-9	Bromomethane	ND		ND		nc	10
78-93-3	2-Butanone (MEK)	ND		ND		nc	10
75-15-0	Carbon disulfide	ND		ND		nc	10
56-23-5	Carbon tetrachloride	ND		ND		nc	10
108-90-7	Chlorobenzene	2.1		2.1		0	10
75-00-3	Chloroethane	ND		ND		nc	10
67-66-3	Chloroform	ND		ND		nc	10
74-87-3	Chloromethane	ND		ND		nc	10
110-82-7	Cyclohexane	ND		ND		nc	14
96-12-8	1,2-Dibromo-3-chloropropane	ND		ND		nc	20
124-48-1	Dibromochloromethane	ND		ND		nc	10
106-93-4	1,2-Dibromoethane	ND		ND		nc	20
95-50-1	1,2-Dichlorobenzene	0.80	J	0.64	J	22* [a]	10
541-73-1	1,3-Dichlorobenzene	ND		ND		nc	10
106-46-7	1,4-Dichlorobenzene	1.8		1.8		0	10
75-71-8	Dichlorodifluoromethane	ND		ND		nc	20
75-34-3	1,1-Dichloroethane	ND		ND		nc	10
107-06-2	1,2-Dichloroethane	ND		ND		nc	10
75-35-4	1,1-Dichloroethene	ND		ND		nc	15
156-59-2	cis-1,2-Dichloroethene	0.90	J	0.91	J	1	10
156-60-5	trans-1,2-Dichloroethene	ND		ND		nc	10
78-87-5	1,2-Dichloropropane	ND		ND		nc	20
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	20
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	20
100-41-4	Ethylbenzene	ND		ND		nc	20
76-13-1	Freon 113	ND		ND		nc	10
591-78-6	2-Hexanone	ND		ND		nc	10
98-82-8	Isopropylbenzene	ND		ND		nc	15
79-20-9	Methyl Acetate	ND		ND		nc	20
108-87-2	Methylcyclohexane	ND		ND		nc	20
1634-04-4	Methyl Tert Butyl Ether	9.0		8.4		7	12

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE1219-3DUP	4A12063.D	1	11/25/24	ED	n/a	n/a	V4A342
JE1219-3	4A12049.D	1	11/25/24	ED	n/a	n/a	V4A342

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE1300-51

CAS No.	Compound	JE1219-3 ug/l	Q	DUP ug/l	Q	RPD	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		ND		nc	10
75-09-2	Methylene chloride	ND		ND		nc	10
100-42-5	Styrene	ND		ND		nc	20
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	10
127-18-4	Tetrachloroethene	ND		ND		nc	10
108-88-3	Toluene	ND		ND		nc	16
87-61-6	1,2,3-Trichlorobenzene	ND		ND		nc	10
120-82-1	1,2,4-Trichlorobenzene	ND		ND		nc	10
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	10
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	10
79-01-6	Trichloroethene	ND		ND		nc	14
75-69-4	Trichlorofluoromethane	ND		ND		nc	10
75-01-4	Vinyl chloride	ND		ND		nc	10
	m,p-Xylene	ND		ND		nc	18
95-47-6	o-Xylene	ND		ND		nc	18
1330-20-7	Xylene (total)	ND		ND		nc	22

CAS No.	Surrogate Recoveries	DUP	JE1219-3	Limits
1868-53-7	Dibromofluoromethane	105%	106%	80-120%
17060-07-0	1,2-Dichloroethane-D4	102%	102%	80-120%
2037-26-5	Toluene-D8	107%	106%	80-120%
460-00-4	4-Bromofluorobenzene	99%	100%	82-114%

(a) RPD acceptable due to low DUP and sample concentrations.

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	V4A284-BFB	**Injection Date:**	09/09/24
Lab File ID:	4A9708.D	**Injection Time:**	16:50
Instrument ID:	GCMS4A		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	15363	21.6		Pass
75	30.0 - 60.0% of mass 95	33480	47.1		Pass
95	Base peak, 100% relative abundance	71123	100.0		Pass
96	5.0 - 9.0% of mass 95	4873	6.85		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	65853	92.6		Pass
175	5.0 - 9.0% of mass 174	5014	7.05	(7.61) [a]	Pass
176	95.0 - 101.0% of mass 174	64821	91.1	(98.4) [a]	Pass
177	5.0 - 9.0% of mass 176	4420	6.21	(6.82) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V4A284-IC284	4A9710.D	09/09/24	17:38	00:48	Initial cal 0.2
V4A284-IC284	4A9712.D	09/09/24	18:13	01:23	Initial cal 0.5
V4A284-IC284	4A9714.D	09/09/24	18:49	01:59	Initial cal 1
V4A284-IC284	4A9716.D	09/09/24	19:25	02:35	Initial cal 2
V4A284-IC284	4A9718.D	09/09/24	20:00	03:10	Initial cal 4
V4A284-IC284	4A9720.D	09/09/24	20:37	03:47	Initial cal 8
V4A284-IC284	4A9722.D	09/09/24	21:13	04:23	Initial cal 20
V4A284-ICC284	4A9724.D	09/09/24	21:48	04:58	Initial cal 50
V4A284-IC284	4A9726.D	09/09/24	22:24	05:34	Initial cal 100
V4A284-IC284	4A9728.D	09/09/24	22:59	06:09	Initial cal 200
V4A284-ICV284	4A9734.D	09/10/24	00:47	07:57	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	V4A284-BFB2	**Injection Date:**	09/13/24
Lab File ID:	4A9740.D	**Injection Time:**	16:18
Instrument ID:	GCMS4A		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	15526	21.1		Pass
75	30.0 - 60.0% of mass 95	34595	47.0		Pass
95	Base peak, 100% relative abundance	73627	100.0		Pass
96	5.0 - 9.0% of mass 95	4829	6.56		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	67629	91.9		Pass
175	5.0 - 9.0% of mass 174	5538	7.52	(8.19) [a]	Pass
176	95.0 - 101.0% of mass 174	65557	89.0	(96.9) [a]	Pass
177	5.0 - 9.0% of mass 176	4616	6.27	(7.04) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V4A284-ICV284	4A9742.D	09/13/24	16:54	00:36	Initial cal verification 50

Internal Standard Area Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	V4A342-CC284	**Injection Date:**	11/25/24
Lab File ID:	4A12031.D	**Injection Time:**	09:05
Instrument ID:	GCMS4A	**Method:**	SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	102750	2.64	161631	3.65	283942	4.12	246747	6.00	128308	7.58
Upper Limit [a]	205500	3.14	323262	4.15	567884	4.62	493494	6.50	256616	8.08
Lower Limit [b]	51375	2.14	80816	3.15	141971	3.62	123374	5.50	64154	7.08

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
V4A342-BS	116034	2.64	157830	3.66	293477	4.12	258101	5.99	126266	7.58
V4A342-MB	96499	2.64	166114	3.65	295056	4.12	253103	6.00	137860	7.58
ZZZZZZ	93681	2.64	164207	3.65	290260	4.12	252245	5.99	135950	7.58
ZZZZZZ	97157	2.64	162569	3.65	287315	4.12	250305	5.99	132783	7.58
ZZZZZZ	113858	2.64	161282	3.65	290631	4.12	246174	6.00	133097	7.58
JE1219-1	91001	2.64	158549	3.65	286011	4.12	250981	6.00	135626	7.58
JE1219-3	95847	2.64	155970	3.65	281923	4.12	241271	6.00	131053	7.58
ZZZZZZ	94294	2.64	160255	3.65	284161	4.12	244264	6.00	133520	7.58
ZZZZZZ	96769	2.64	161909	3.66	287648	4.12	245144	5.99	133474	7.58
ZZZZZZ	88926	2.64	157941	3.65	283006	4.12	242186	6.00	129855	7.58
ZZZZZZ	86413	2.64	160161	3.66	284435	4.12	244738	6.00	131790	7.58
JE1219-1MS	95781	2.64	149613	3.66	276491	4.12	240056	5.99	118242	7.58
JE1219-3DUP	91768	2.64	162277	3.66	286788	4.12	245886	6.00	133293	7.58
JE1300-51	88706	2.64	166551	3.65	289921	4.12	250023	6.00	134154	7.58
ZZZZZZ	100662	2.64	165140	3.65	286694	4.12	246997	5.99	135316	7.58
ZZZZZZ	97587	2.64	161263	3.65	275373	4.12	233623	5.99	122345	7.58

IS 1 = Tert Butyl Alcohol-D9
IS 2 = Pentafluorobenzene
IS 3 = 1,4-Difluorobenzene
IS 4 = Chlorobenzene-D5
IS 5 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Surrogate Recovery Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Method: SW846 8260D **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
JE1300-51	4A12065.D	105	102	105	101
JE1219-1MS	4A12059.D	102	92	102	104
JE1219-3DUP	4A12063.D	105	102	107	99
V4A342-BS	4A12035.D	101	93	100	106
V4A342-MB	4A12039.D	105	101	106	101

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	80-120%
S2 = 1,2-Dichloroethane-D4	80-120%
S3 = Toluene-D8	80-120%
S4 = 4-Bromofluorobenzene	82-114%

Initial Calibration Summary

Job Number: JE1300 **Sample:** V4A284-ICC284
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 4A9724.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Response Factor Report GCMS4A5A

Method : C:\msdchem\1\methods\M4a284.M (RTE Integrator)
Title : SW846 Method V8260C/D and EPA 624.1, column ZB-624 60m x 0.25mm x 1.4 um
Last Update : Fri Oct 11 12:25:52 2024
Response via : Initial Calibration

Calibration Files
8 =4A9720.D 0.5 =4A9712.D 4 =4A9718.D 50 =4A9724.D
100 =4A9726.D 1 =4A9714.D 200 =4A9728.D 20 =4A9722.D
2 =4A9716.D 0.2 =4A9710.D = =

Compound

	8	0.5	4	50	100	1	200	20	2	0.2	Avg	%RSD
1) I	tert Butyl Alcohol-d9 ----------ISTD----------											
2)	1,4-dioxane											
	0.101	0.089	0.078	0.078	0.087	0.076	0.087	0.079			0.084	9.90
3)	ethanol											
	0.106	0.098	0.074	0.068	0.119		0.088	0.087			0.092	19.66
4)	tertiary butyl alcohol											
	1.393	1.269	1.229	1.269	1.451	1.226	1.298	1.088			1.278	8.63
5) I	pentafluorobenzene ----------ISTD----------											
6)	chlorodifluoromethane											
	0.729	0.619	0.679	0.686	0.727	0.788	0.657	0.693	0.625		0.689	7.74
7)	dichlorodifluoromethane											
	0.665	0.820	0.666	0.736	0.756	0.792	0.700	0.722	0.712		0.730	7.23
8)	chloromethane											
	0.633	0.834	0.623	0.664	0.700	0.861	0.635	0.651	0.693		0.699	12.64
9)	vinyl chloride											
	0.564	0.720	0.608	0.608	0.628	0.801	0.585	0.611	0.590		0.635	11.97
10)	1,3-butadiene											
	0.600	0.626	0.554	0.507	0.503	0.659	0.447	0.528	0.526		0.550	12.17
11)	bromomethane											
	0.119		0.111	0.156	0.187	0.167	0.186	0.141	0.130		0.150	19.55
12)	chloroethane											
	0.280		0.316	0.277	0.277	0.578	0.242	0.283	0.374		0.329	32.91
	----- Linear regression ----- Coefficient = 0.9956											
	Response Ratio = 0.00602 + 0.25478 *A											
13)	trichlorofluoromethane											
	0.657	0.583	0.657	0.700	0.704	0.851	0.645	0.698	0.714	0.550	0.676	12.10
14)	ethyl ether											
	0.294	0.247	0.242	0.262	0.278	0.250	0.251	0.279	0.231		0.259	7.88
15)	acrolein *This compound fails Initial Calibration criteria*											
	0.105		0.128	0.125	0.137	0.163	0.130	0.119	0.115		0.128	13.66
16)	freon 113											
	0.400	0.292	0.346	0.350	0.353	0.371	0.321	0.356	0.311		0.344	9.40
17)	1,1-dichloroethene											
	0.387	0.459	0.353	0.361	0.367	0.387	0.331	0.380	0.325		0.372	10.64
18)	acetone											
	0.112	0.108	0.107	0.098	0.103	0.117	0.088	0.102	0.090		0.103	9.46
19)	acetonitrile											
	0.074		0.072	0.066	0.066		0.058	0.068	0.068		0.067	7.50
20)	iodomethane											
	0.187		0.135	0.309	0.369		0.243	0.138			0.230	41.27
	----- Quadratic regression ----- Coefficient = 0.9990											
	Response Ratio = -0.00592 + 0.23429 *A + 0.07008 *A^2											

21) iso-butyl alcohol
0.047 0.044 0.046 0.045 0.041 0.047 0.051 0.046 6.61
22) carbon disulfide
1.369 1.383 1.192 1.189 1.214 1.371 1.113 1.203 1.116 1.239 8.68
23) methylene chloride
0.462 0.451 0.412 0.426 0.574 0.401 0.437 0.422 0.448 12.19
24) methyl acetate
0.128 0.101 0.116 0.125 0.118 0.115 0.087 0.113 12.52
25) methyl tert butyl ether
1.404 1.243 1.319 1.344 1.385 1.223 1.251 1.383 1.094 1.294 7.77
26) trans-1,2-dichloroethene
0.453 0.410 0.440 0.394 0.411 0.428 0.370 0.424 0.420 0.417 5.90
27) hexane
0.783 0.878 0.686 0.719 0.768 0.859 0.705 0.734 0.660 0.755 9.93
28) di-isopropyl ether
2.100 1.695 1.876 1.916 1.962 2.143 1.764 2.000 1.740 1.911 8.25
29) ethyl tert-butyl ether
1.828 1.506 1.610 1.691 1.748 1.668 1.640 1.710 1.430 1.882 1.671 8.15
30) 2-butanone
0.092 0.090 0.095 0.101 0.089 0.090 0.091 0.070 0.090 9.66
31) 1,1-dichloroethane
0.970 0.976 0.895 0.860 0.867 1.015 0.794 0.927 0.801 0.901 8.64
32) chloroprene
0.930 0.796 0.834 0.834 0.844 0.850 0.774 0.869 0.784 0.835 5.76
33) acrylonitrile
0.264 0.259 0.294 0.308 0.264 0.293 0.276 0.295 0.282 6.44
34) vinyl acetate
0.084 0.065 0.073 0.073 0.088 0.064 0.079 0.064 0.074 12.63
35) ethyl acetate
0.164 0.147 0.144 0.155 0.131 0.137 0.149 0.140 0.146 7.22
36) 2,2-dichloropropane
0.712 0.744 0.688 0.593 0.593 0.761 0.540 0.631 0.650 0.657 11.44
37) cis-1,2-dichloroethene
0.519 0.484 0.475 0.444 0.451 0.492 0.416 0.463 0.444 0.465 6.60
38) propionitrile
0.157 0.126 0.141 0.133 0.133 0.146 0.115 0.141 0.120 0.135 9.73
39) methyl acrylate
0.095 0.094 0.095 0.097 0.097 0.093 0.096 0.064 0.091 12.10
40) bromochloromethane
0.243 0.212 0.226 0.218 0.222 0.275 0.201 0.244 0.201 0.227 10.57
41) tetrahydrofuran
0.120 0.091 0.103 0.106 0.099 0.114 0.094 0.104 10.24
42) chloroform
0.866 0.847 0.734 0.750 1.013 0.704 0.803 0.793 0.814 11.97
43) dibromofluoromethane (s)
0.528 0.553 0.519 0.499 0.507 0.536 0.496 0.506 0.531 0.536 0.521 3.61
44) methacrylonitrile
0.276 0.234 0.271 0.283 0.233 0.267 0.282 0.227 0.259 9.24
45) 1,1,1-trichloroethane
0.704 0.557 0.674 0.618 0.643 0.764 0.609 0.652 0.549 0.709 0.648 10.48
46) cyclohexane
0.632 0.634 0.634 0.593 0.589 0.795 0.557 0.623 0.642 0.633 10.56
47) 1,1-dichloropropene
0.651 0.579 0.529 0.577 0.583 0.606 0.538 0.605 0.546 0.649 0.586 7.27
48) carbon tetrachloride
0.631 0.660 0.590 0.551 0.556 0.553 0.522 0.576 0.517 0.488 0.564 9.25
49) isopropyl acetate
0.121 0.095 0.119 0.125 0.118 0.115 0.085 0.111 13.44
50) tert amyl alcohol

```
      0.046       0.044 0.039 0.040 0.047 0.035 0.039 0.040        0.041    9.80

51) I   1,4-difluorobenzene   ----------------ISTD---------------------
52)  1,2-dichloroethane-d4 (s)
      0.346 0.351 0.341 0.328 0.317 0.357 0.319 0.338 0.348 0.337  0.338    3.98
53)  tert-amyl methyl ether
      0.788 0.611 0.679 0.724 0.756 0.726 0.703 0.762 0.654 0.688  0.709    7.53
54)  2,2,4-trimethylpentane
      0.794 0.735 0.699 0.681 0.685 0.793 0.638 0.727 0.709        0.718    7.15
55)  n-butyl alcohol
      0.016       0.015 0.017 0.017 0.016 0.015 0.016 0.012        0.015    9.16
56)  benzene
      1.060 1.072 0.936 0.964 0.977 1.048 0.899 1.024 0.925 1.063  0.997    6.46
57)  heptane
      0.158       0.152 0.144 0.146 0.185 0.136 0.150 0.137        0.151   10.33
58)  1,2-dichloroethane
      0.415 0.394 0.381 0.358 0.357 0.440 0.330 0.383 0.363        0.380    8.72
59)  trichloroethene
      0.268 0.231 0.232 0.260 0.266 0.254 0.241 0.268 0.209 0.290  0.252    9.39
60)  ethyl acrylate
      0.553 0.536 0.482 0.515 0.537 0.527 0.479 0.535 0.444        0.512    6.98
61)  2-nitropropane
      0.132       0.111 0.116 0.127       0.116 0.116 0.116        0.119    6.32
62)  2-chloroethyl vinyl ether
      0.193       0.160 0.184 0.185 0.150 0.167 0.187 0.137        0.170   11.83
63)  methyl methacrylate
      0.096       0.075 0.086 0.089       0.082 0.090 0.069        0.084   10.91
64)  1,2-dichloropropane
      0.307 0.246 0.273 0.289 0.289 0.310 0.261 0.306 0.258        0.282    8.40
65)  methylcyclohexane
      0.373 0.363 0.356 0.368 0.367 0.353 0.343 0.371 0.319        0.357    4.81
66)  dibromomethane
      0.168       0.153 0.147 0.153 0.170 0.145 0.163 0.129        0.153    8.77
67)  bromodichloromethane
      0.342 0.323 0.322 0.321 0.327 0.377 0.310 0.333 0.303        0.329    6.49
68)  cis-1,3-dichloropropene
      0.445 0.342 0.385 0.435 0.438 0.396 0.415 0.443 0.356        0.406    9.46
69)  epichlorohydrin
      0.056       0.054 0.056 0.055 0.066 0.050 0.057 0.050        0.055    9.06
70)  4-methyl-2-pentanone
      0.171 0.131 0.159 0.163 0.167 0.159 0.150 0.172 0.143        0.157    8.72
71)  3-methyl-1-butanol
      0.012       0.010 0.011 0.012 0.013 0.011 0.012 0.009        0.011   11.30

72) I   chlorobenzene-d5      ----------------ISTD---------------------
73)  toluene-d8 (s)
      1.182 1.176 1.201 1.152 1.132 1.200 1.179 1.164 1.215 1.221  1.182    2.37
74)  toluene
      0.673 0.590 0.631 0.625 0.636 0.702 0.633 0.654 0.555 0.690  0.639    6.96
75)  trans-1,3-dichloropropene
      0.425 0.330 0.370 0.432 0.442 0.390 0.434 0.425 0.354        0.400   10.10
76)  ethyl methacrylate
      0.400 0.344 0.360 0.371 0.377 0.401 0.357 0.384 0.319        0.368    7.17
77)  1,1,2-trichloroethane
      0.230 0.215 0.217 0.215 0.222 0.200 0.214 0.220 0.221        0.217    3.71
78)  2-hexanone
      0.228 0.151 0.213 0.194 0.193 0.199 0.171 0.211 0.176        0.193   12.23
79)  tetrachloroethene
      0.325 0.286 0.296 0.309 0.312 0.315 0.302 0.309 0.289        0.305    4.11
80)  1,3-dichloropropane
```

Initial Calibration Summary

Job Number: JE1300 **Sample:** V4A284-ICC284
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 4A9724.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

```
      0.455 0.368 0.432 0.439 0.438 0.428 0.412 0.451 0.382        0.423    7.14
 81)  butyl acetate
      0.309       0.277 0.270 0.271 0.320 0.252 0.280 0.247        0.278    9.12
 82)  dibromochloromethane
      0.293       0.259 0.292 0.302 0.270 0.300 0.294 0.233        0.280    8.71
 83)  1,2-dibromoethane
      0.307 0.250 0.252 0.280 0.292 0.273 0.283 0.284 0.242 0.234  0.270    8.89
 84)  n-butyl ether
      1.484 1.292 1.428 1.374 1.397 1.419 1.254 1.461 1.223        1.370    6.78
 85)  chlorobenzene
      0.808 0.666 0.727 0.735 0.763 0.742 0.734 0.758 0.655        0.732    6.43
 86)  1,1,1,2-tetrachloroethane
      0.279 0.247 0.241 0.267 0.271 0.253 0.258 0.278 0.221        0.257    7.36
 87)  ethylbenzene
      1.303 1.290 1.216 1.154 1.158 1.287 1.061 1.250 1.094        1.202    7.40
 88)  m,p-xylene
      0.540 0.447 0.510 0.483 0.486 0.504 0.447 0.509 0.441 0.558  0.493    8.06
 89)  o-xylene
      0.538 0.428 0.499 0.471 0.485 0.468 0.442 0.499 0.427 0.406  0.466    8.74
 90)  butyl acrylate
      0.777       0.737 0.740 0.759 0.711 0.693 0.754 0.566        0.717    9.30
 91)  n-amyl acetate
      0.234       0.211 0.207 0.217 0.175 0.193 0.211 0.168        0.202   10.89
 92)  styrene
      0.896 0.743 0.820 0.824 0.816 0.824 0.733 0.874 0.730 0.783  0.804    7.09
 93)  bromoform
      0.216 0.185 0.196 0.211 0.231 0.198 0.219 0.205 0.164        0.203    9.81
 94)  isopropylbenzene
      1.198 1.000 1.061 1.076 1.104 1.148 0.992 1.130 1.038 1.215  1.096    7.05
 95)  cis-1,4-dichloro-2-butene
      0.123       0.113 0.133 0.144       0.134 0.133              0.130    8.11

 96) I   1,4-dichlorobenzene-d ----------------ISTD---------------------
 97)  4-bromofluorobenzene (s)
      0.851 0.841 0.868 0.867 0.891 0.863 0.932 0.871 0.844 0.871  0.870    3.03
 98)  bromobenzene
      0.621 0.500 0.572 0.608 0.631 0.586 0.627 0.608 0.501        0.584    8.70
 99)  1,1,2,2-tetrachloroethane
      0.659 0.659 0.659 0.635 0.703 0.591 0.706 0.643 0.566        0.647    7.13
100)  trans-1,4-dichloro-2-butene
      0.228       0.226 0.252 0.273 0.217 0.275 0.244 0.217        0.241    9.74
101)  1,2,3-trichloropropane
      0.213 0.248 0.177 0.197 0.207 0.174 0.208 0.194 0.163        0.198   12.91
102)  n-propylbenzene
      2.607 2.153 2.357 2.429 2.543 2.322 2.488 2.499 2.006 2.774  2.418    9.17
103)  2-chlorotoluene
      0.552       0.504 0.531 0.564 0.541 0.560 0.557 0.405        0.527   10.04
104)  4-chlorotoluene
      0.595 0.438 0.555 0.566 0.585 0.537 0.577 0.595 0.456        0.545   10.76
105)  1,3,5-trimethylbenzene
      1.900 1.647 1.785 1.779 1.848 1.724 1.805 1.819 1.499 1.829  1.764    6.57
106)  tert-butylbenzene
      1.605 1.396 1.498 1.518 1.608 1.425 1.591 1.571 1.347 1.668  1.523    6.90
107)  1,2,4-trimethylbenzene
      1.963 1.781 1.772 1.835 1.897 1.673 1.850 1.908 1.498 1.686  1.786    7.71
108)  sec-butylbenzene
      2.229 1.890 2.023 2.120 2.221 2.096 2.196 2.221 1.770 2.465  2.123    9.19
109)  1,3-dichlorobenzene
      1.197 1.096 1.124 1.141 1.173 1.137 1.146 1.165 0.897 1.034  1.111    7.87
110)  p-isopropyltoluene
```

Initial Calibration Summary

Job Number: JE1300 **Sample:** V4A284-ICC284
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 4A9724.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

```
       1.954 1.694 1.730 1.811 1.856 1.936 1.809 1.911 1.627 1.917  1.824    6.12
111)  1,2,3-trimethylbenzene
       1.963 1.589 1.823 1.790 1.850 1.880 1.813 1.900 1.662 1.921  1.819    6.37
112)  1,4-dichlorobenzene
       1.196 1.022 1.112 1.125 1.149 1.066 1.126 1.150 0.979        1.103    6.19
113)  1,2-dichlorobenzene
       1.139 0.806 1.033 1.077 1.116 0.947 1.105 1.083 0.905        1.024   11.04
114)  n-butylbenzene
       0.840 0.785 0.762 0.826 0.857 0.760 0.883 0.849 0.713        0.808    6.93
115)  1,2-dibromo-3-chloropropane
       0.217       0.183 0.212 0.229 0.191 0.248 0.211 0.161        0.206   13.30
116)  1,3,5-trichlorobenzene
       0.739 0.695 0.707 0.710 0.747 0.796 0.800 0.733 0.545        0.719   10.41
117)  1,2,4-trichlorobenzene
       0.659 0.503 0.567 0.638 0.686 0.594 0.738 0.657 0.479        0.613   13.90
118)  hexachlorobutadiene
       0.255       0.231 0.220 0.235 0.178 0.247 0.243 0.213        0.228   10.64
119)  naphthalene
       2.125       1.887 2.058 2.278 1.815 2.295 2.094 1.439        1.999   14.07
120)  1,2,3-trichlorobenzene
       0.621       0.605 0.588 0.639 0.613 0.667 0.625 0.499        0.607    8.20
121)  hexachloroethane
       0.248       0.234 0.284 0.314 0.259 0.336 0.264 0.200        0.267   16.29
122)  benzyl chloride
       1.229 1.107 1.132 1.221 1.263 1.026 1.289 1.199 0.948        1.157    9.84
123)  2-methylnaphthalene
       0.885       0.775 0.875 0.974       1.042 0.920              0.912   10.04

124)     pentafluorobenzene(a) ----------------ISTD---------------------
125)  Freon 114
                                                                     0.000   -1.00
126)  Freon 142B
       0.709       0.586 0.608 0.631 0.636 0.617 0.612 0.579        0.622    6.46
127)  vinyl bromide
       0.273       0.311 0.273 0.290 0.390 0.276 0.293 0.277        0.298   13.19
128)  allyl chloride
                                                                     0.000   -1.00

129)     1,4-dichlorobenzene-d ----------------ISTD---------------------
130)  4-ethyltoluene
                                                                     0.000   -1.00
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          M4a284.M          Mon Oct 14 16:51:59 2024
```

Initial Calibration Verification

Job Number: JE1300 **Sample:** V4A284-ICV284
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 4A9734.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\Initials\VA284\4A9734.D Vial: 31
Acq On : 10 Sep 2024 12:47 am Operator: nickw
Sample : icv284-50 Inst : GCMS4A5A
Misc : MS79588,V4A284,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M4a284.M (RTE Integrator)
Title : SW846 Method V8260C/D and EPA 624.1, column ZB-624 60m x 0.25mm x 1.4 um
Last Update : Wed Sep 11 17:07:03 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	tert Butyl Alcohol-d9	1.000	1.000	0.0	99	0.00	2.64
2	1,4-dioxane	0.084	0.084	0.0	105	0.00	4.46
3	ethanol	0.092	0.082	10.9	109	0.00	2.14
4 M	tertiary butyl alcohol	1.278	1.270	0.6	102	0.00	2.69
5 I	pentafluorobenzene	1.000	1.000	0.0	105	0.00	3.65
6	chlorodifluoromethane	----------NA----------					
7	dichlorodifluoromethane	0.730	0.587	19.6	84	0.00	1.40
8	chloromethane	0.699	0.691	1.1	110	0.00	1.54
9	vinyl chloride	0.635	0.608	4.3	105	0.00	1.62
10	1,3-butadiene	0.550	0.593	-7.8	123	0.00	1.64
11	bromomethane	0.150	0.168	-12.0	113	0.00	1.84
	----------	True	Calc.	% Drift	----------		
12	chloroethane	50.000	59.098	-18.2	117	0.00	1.91
	----------	AvgRF	CCRF	% Dev	----------		
13	trichlorofluoromethane	0.676	0.668	1.2	100	0.00	2.07
14	ethyl ether	0.259	0.271	-4.6	109	0.00	2.23
15	acrolein	0.128	0.167	-30.5#	141	0.00	2.31
16	freon 113	0.344	0.336	2.3	101	0.00	2.38
17	1,1-dichloroethene	0.372	0.351	5.6	102	0.00	2.38
18	acetone	0.103	0.096	6.8	103	0.00	2.39
19	acetonitrile	0.067	0.059	11.9	94	0.00	2.56
	----------	True	Calc.	% Drift	----------		
20	iodomethane	50.000	46.821	6.4	94	0.00	2.49
	----------	AvgRF	CCRF	% Dev	----------		
21	iso-butyl alcohol	0.046	0.047	-2.2	106	0.00	3.77
22	carbon disulfide	1.239	1.075	13.2	95	0.00	2.53
23	methylene chloride	0.448	0.405	9.6	103	0.00	2.67
24	methyl acetate	0.113	0.114	-0.9	103	0.00	2.57
25	methyl tert butyl ether	1.294	1.357	-4.9	106	0.00	2.81
26	trans-1,2-dichloroethene	0.417	0.388	7.0	104	0.00	2.82
27	hexane	0.755	0.712	5.7	104	0.00	2.97
28	di-isopropyl ether	1.911	1.819	4.8	100	0.00	3.06
29	ethyl tert-butyl ether	1.671	1.607	3.8	100	0.00	3.27
30	2-butanone	0.090	0.093	-3.3	103	0.00	3.37
31 M	1,1-dichloroethane	0.901	0.847	6.0	104	0.00	3.07
32	chloroprene	0.835	0.838	-0.4	106	0.00	3.11
33	acrylonitrile	0.282	0.354	-25.5	127	0.00	2.79

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: V4A284-ICV284
Lab FileID: 4A9734.D

34		vinyl acetate	0.074	0.057	23.0	83	0.00	3.04
35		ethyl acetate	0.146	0.147	-0.7	107	0.00	3.37
36		2,2-dichloropropane	0.657	0.562	14.5	100	0.00	3.40
37		cis-1,2-dichloroethene	0.465	0.444	4.5	105	0.00	3.39
38		propionitrile	0.135	0.133	1.5	105	0.00	3.40
39		methyl acrylate	0.091	0.098	-7.7	108	0.00	3.41
40		bromochloromethane	0.227	0.222	2.2	107	0.00	3.53
41		tetrahydrofuran	0.104	0.100	3.8	103	0.00	3.54
42		chloroform	0.814	0.768	5.7	110	0.00	3.57
43	S	dibromofluoromethane (s)	0.521	0.496	4.8	105	0.00	3.67
44		methacrylonitrile	0.259	0.274	-5.8	106	0.00	3.49
45		1,1,1-trichloroethane	0.648	0.627	3.2	107	0.00	3.69
46		cyclohexane	0.633	0.659	-4.1	117	0.00	3.74
47		1,1-dichloropropene	0.586	0.577	1.5	105	0.00	3.77
48		carbon tetrachloride	0.564	0.537	4.8	103	0.00	3.78
49		isopropyl acetate	0.111	0.112	-0.9	99	0.00	3.87
50		tert amyl alcohol	0.041	0.037	9.8	100	0.00	3.85
51	I	1,4-difluorobenzene	1.000	1.000	0.0	105	0.00	4.12
52	S	1,2-dichloroethane-d4 (s)	0.338	0.343	-1.5	110	0.00	3.87
53		tert-amyl methyl ether	0.709	0.697	1.7	101	0.00	3.95
54		2,2,4-trimethylpentane	0.718	0.647	9.9	100	0.00	3.95
55		n-butyl alcohol	0.015	0.016	-6.7	104	0.00	4.16
56	M	benzene	0.997	0.948	4.9	103	0.00	3.90
57		heptane	0.151	0.147	2.6	107	0.00	4.04
58		1,2-dichloroethane	0.380	0.367	3.4	107	0.00	3.91
59		trichloroethene	0.252	0.270	-7.1	109	0.00	4.27
60		ethyl acrylate	0.512	0.515	-0.6	105	0.00	4.28
61		2-nitropropane	0.119	0.116	2.5	106	0.00	4.71
62		2-chloroethyl vinyl ether	0.170	0.201	-18.2	114	0.00	4.73
63		methyl methacrylate	0.084	0.092	-9.5	112	0.00	4.43
64		1,2-dichloropropane	0.282	0.287	-1.8	104	0.00	4.43
65		methylcyclohexane	0.357	0.359	-0.6	103	0.00	4.43
66		dibromomethane	0.153	0.150	2.0	107	0.00	4.49
67		bromodichloromethane	0.329	0.326	0.9	107	0.00	4.58
68		cis-1,3-dichloropropene	0.406	0.424	-4.4	102	0.00	4.85
69		epichlorohydrin	0.055	0.056	-1.8	103	0.00	4.77
70		4-methyl-2-pentanone	0.157	0.164	-4.5	106	0.00	4.92
71		3-methyl-1-butanol	0.011	0.012	-9.1	111	0.00	4.93
72	I	chlorobenzene-d5	1.000	1.000	0.0	100	0.00	6.00
73	S	toluene-d8 (s)	1.182	1.174	0.7	102	0.00	5.03
74		toluene	0.639	0.646	-1.1	104	0.00	5.07
75		trans-1,3-dichloropropene	0.400	0.451	-12.7	105	0.00	5.20
76		ethyl methacrylate	0.368	0.360	2.2	97	0.00	5.21
77		1,1,2-trichloroethane	0.217	0.233	-7.4	109	0.00	5.33
78		2-hexanone	0.193	0.196	-1.6	102	0.00	5.45
79		tetrachloroethene		----------NA----------				
80		1,3-dichloropropane	0.423	0.452	-6.9	103	0.00	5.45
81		butyl acetate	0.278	0.290	-4.3	108	0.00	5.52
82		dibromochloromethane	0.280	0.305	-8.9	105	0.00	5.59
83		1,2-dibromoethane	0.270	0.295	-9.3	106	0.00	5.69
84		n-butyl ether	1.370	1.460	-6.6	107	0.00	6.04
85		chlorobenzene	0.732	0.762	-4.1	104	0.00	6.02
86		1,1,1,2-tetrachloroethane	0.257	0.280	-8.9	105	0.00	6.07
87		ethylbenzene	1.202	1.208	-0.5	105	0.00	6.07
88		m,p-xylene	0.493	0.509	-3.2	106	0.00	6.16
89		o-xylene	0.466	0.513	-10.1	109	0.00	6.43
90		butyl acrylate	0.717	0.781	-8.9	106	0.00	6.36
91		n-amyl acetate	0.202	0.232	-14.9	112	0.00	6.51

Initial Calibration Verification

Job Number: JE1300 **Sample:** V4A284-ICV284
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 4A9734.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

92		styrene	0.804	0.805	-0.1	98	0.00	6.45
93		bromoform	0.203	0.222	-9.4	105	0.00	6.58
94		isopropylbenzene	1.096	1.186	-8.2	111	0.00	6.68
95		cis-1,4-dichloro-2-butene	0.130	0.135	-3.8	102	0.00	6.72
96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	100	0.00	7.58
97	S	4-bromofluorobenzene (s)	0.870	0.879	-1.0	101	0.00	6.81
98		bromobenzene	0.584	0.647	-10.8	106	0.00	6.91
99		1,1,2,2-tetrachloroethane	0.647	0.663	-2.5	104	0.00	6.88
100		trans-1,4-dichloro-2-bute	0.241	0.290	-20.3	114	0.00	6.91
101		1,2,3-trichloropropane	0.198	0.208	-5.1	105	0.00	6.93
102		n-propylbenzene	2.418	2.596	-7.4	106	0.00	6.96
103		2-chlorotoluene	0.527	0.576	-9.3	108	0.00	7.04
104		4-chlorotoluene	0.545	0.591	-8.4	104	0.00	7.11
105		1,3,5-trimethylbenzene	1.764	1.879	-6.5	105	0.00	7.08
106		tert-butylbenzene	1.523	1.644	-7.9	108	0.00	7.30
107		1,2,4-trimethylbenzene	1.786	1.988	-11.3	108	0.00	7.33
108		sec-butylbenzene	2.123	2.285	-7.6	107	0.00	7.44
109		1,3-dichlorobenzene	1.111	1.198	-7.8	105	0.00	7.53
110		p-isopropyltoluene	1.824	1.944	-6.6	107	0.00	7.53
111		1,2,3-trimethylbenzene	----------NA----------					
112		1,4-dichlorobenzene	1.103	1.169	-6.0	103	0.00	7.60
113		1,2-dichlorobenzene	1.024	1.149	-12.2	106	0.00	7.83
114		n-butylbenzene	0.808	0.885	-9.5	107	0.00	7.80
115		1,2-dibromo-3-chloropropa	0.206	0.223	-8.3	105	0.00	8.31
116		1,3,5-trichlorobenzene	0.719	0.796	-10.7	112	0.00	8.42
117		1,2,4-trichlorobenzene	0.613	0.694	-13.2	108	0.00	8.80
118		hexachlorobutadiene	0.228	0.230	-0.9	104	0.00	8.87
119		naphthalene	1.999	2.205	-10.3	107	0.00	8.96
120		1,2,3-trichlorobenzene	0.607	0.627	-3.3	106	0.00	9.09
121		hexachloroethane	0.267	0.304	-13.9	106	0.00	8.00
122		benzyl chloride	1.157	1.263	-9.2	103	0.00	7.66
123		2-methylnaphthalene	0.912	0.924	-1.3	105	0.00	9.66
124		pentafluorobenzene(a)	1.000	1.000	0.0	105	0.00	3.65
125		Freon 114	----------NA----------					
126		Freon 142B	----------NA----------					
127		vinyl bromide	----------NA----------					
128		allyl chloride	----------NA----------					
129		1,4-dichlorobenzene-d4(a)	1.000	1.000	0.0	100	0.00	7.58
130		4-ethyltoluene	----------NA----------					

(#) = Out of Range SPCC's out = 0 CCC's out = 0
4A9724.D M4a284.M Mon Sep 16 11:49:32 2024

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: V4A284-ICV284
Lab FileID: 4A9742.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\Initials\VA284\4A9742.D Vial: 39
Acq On : 13 Sep 2024 4:54 pm Operator: nickw
Sample : icv284-50 Inst : GCMS4A5A
Misc : MS79588,V4A284,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M4a284.M (RTE Integrator)
Title : SW846 Method V8260C/D and EPA 624.1, column ZB-624 60m x 0.25mm x 1.4 um
Last Update : Wed Sep 11 17:07:03 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert Butyl Alcohol-d9	1.000	1.000	0.0	87	0.00	2.64
2		1,4-dioxane		----------NA----------				
3		ethanol		----------NA----------				
4	M	tertiary butyl alcohol		----------NA----------				
5	I	pentafluorobenzene	1.000	1.000	0.0	103	0.00	3.65
6		chlorodifluoromethane	0.689	0.681	1.2	102	0.00	1.41
7		dichlorodifluoromethane		----------NA----------				
8		chloromethane		----------NA----------				
9		vinyl chloride		----------NA----------				
10		1,3-butadiene		----------NA----------				
11		bromomethane		----------NA----------				
		----------	True	Calc.	% Drift	----------		
12		chloroethane		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
13		trichlorofluoromethane		----------NA----------				
14		ethyl ether		----------NA----------				
15		acrolein		----------NA----------				
16		freon 113		----------NA----------				
17		1,1-dichloroethene		----------NA----------				
18		acetone		----------NA----------				
19		acetonitrile	0.067	0.070	-4.5	110	0.00	2.56
		----------	True	Calc.	% Drift	----------		
20		iodomethane		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
21		iso-butyl alcohol		----------NA----------				
22		carbon disulfide		----------NA----------				
23		methylene chloride		----------NA----------				
24		methyl acetate		----------NA----------				
25		methyl tert butyl ether		----------NA----------				
26		trans-1,2-dichloroethene		----------NA----------				
27		hexane		----------NA----------				
28		di-isopropyl ether		----------NA----------				
29		ethyl tert-butyl ether		----------NA----------				
30		2-butanone		----------NA----------				
31	M	1,1-dichloroethane		----------NA----------				
32		chloroprene		----------NA----------				
33		acrylonitrile	0.282	0.363	-28.7	127	0.00	2.79

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: V4A284-ICV284
Lab FileID: 4A9742.D

34		vinyl acetate		----------NA----------					
35		ethyl acetate		----------NA----------					
36		2,2-dichloropropane		----------NA----------					
37		cis-1,2-dichloroethene		----------NA----------					
38		propionitrile		----------NA----------					
39		methyl acrylate		----------NA----------					
40		bromochloromethane		----------NA----------					
41		tetrahydrofuran		----------NA----------					
42		chloroform		----------NA----------					
43	S	dibromofluoromethane (s)	0.521	0.533	-2.3	110	0.00	3.67	
44		methacrylonitrile		----------NA----------					
45		1,1,1-trichloroethane		----------NA----------					
46		cyclohexane		----------NA----------					
47		1,1-dichloropropene		----------NA----------					
48		carbon tetrachloride		----------NA----------					
49		isopropyl acetate		----------NA----------					
50		tert amyl alcohol		----------NA----------					
51	I	1,4-difluorobenzene	1.000	1.000	0.0	104	0.00	4.12	
52	S	1,2-dichloroethane-d4 (s)	0.338	0.363	-7.4	116	0.00	3.87	
53		tert-amyl methyl ether		----------NA----------					
54		2,2,4-trimethylpentane		----------NA----------					
55		n-butyl alcohol		----------NA----------					
56	M	benzene		----------NA----------					
57		heptane		----------NA----------					
58		1,2-dichloroethane		----------NA----------					
59		trichloroethene		----------NA----------					
60		ethyl acrylate		----------NA----------					
61		2-nitropropane		----------NA----------					
62		2-chloroethyl vinyl ether		----------NA----------					
63		methyl methacrylate		----------NA----------					
64		1,2-dichloropropane		----------NA----------					
65		methylcyclohexane		----------NA----------					
66		dibromomethane		----------NA----------					
67		bromodichloromethane		----------NA----------					
68		cis-1,3-dichloropropene		----------NA----------					
69		epichlorohydrin		----------NA----------					
70		4-methyl-2-pentanone		----------NA----------					
71		3-methyl-1-butanol		----------NA----------					
72	I	chlorobenzene-d5	1.000	1.000	0.0	97	0.00	6.00	
73	S	toluene-d8 (s)	1.182	1.273	-7.7	107	0.00	5.03	
74		toluene		----------NA----------					
75		trans-1,3-dichloropropene		----------NA----------					
76		ethyl methacrylate		----------NA----------					
77		1,1,2-trichloroethane		----------NA----------					
78		2-hexanone		----------NA----------					
79		tetrachloroethene	0.305	0.329	-7.9	103	0.00	5.41	
80		1,3-dichloropropane		----------NA----------					
81		butyl acetate		----------NA----------					
82		dibromochloromethane		----------NA----------					
83		1,2-dibromoethane		----------NA----------					
84		n-butyl ether		----------NA----------					
85		chlorobenzene		----------NA----------					
86		1,1,1,2-tetrachloroethane		----------NA----------					
87		ethylbenzene		----------NA----------					
88		m,p-xylene		----------NA----------					
89		o-xylene		----------NA----------					
90		butyl acrylate		----------NA----------					
91		n-amyl acetate		----------NA----------					

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: V4A284-ICV284
Lab FileID: 4A9742.D

92		styrene		----------NA----------					
93		bromoform		----------NA----------					
94		isopropylbenzene		----------NA----------					
95		cis-1,4-dichloro-2-butene		----------NA----------					
96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	101	0.00	7.58	
97	S	4-bromofluorobenzene (s)	0.870	0.855	1.7	100	0.00	6.81	
98		bromobenzene		----------NA----------					
99		1,1,2,2-tetrachloroethane		----------NA----------					
100		trans-1,4-dichloro-2-bute		----------NA----------					
101		1,2,3-trichloropropane		----------NA----------					
102		n-propylbenzene		----------NA----------					
103		2-chlorotoluene		----------NA----------					
104		4-chlorotoluene		----------NA----------					
105		1,3,5-trimethylbenzene		----------NA----------					
106		tert-butylbenzene		----------NA----------					
107		1,2,4-trimethylbenzene		----------NA----------					
108		sec-butylbenzene		----------NA----------					
109		1,3-dichlorobenzene		----------NA----------					
110		p-isopropyltoluene		----------NA----------					
111		1,2,3-trimethylbenzene	1.819	2.189	-20.3	124	0.00	7.61	
112		1,4-dichlorobenzene		----------NA----------					
113		1,2-dichlorobenzene		----------NA----------					
114		n-butylbenzene		----------NA----------					
115		1,2-dibromo-3-chloropropa		----------NA----------					
116		1,3,5-trichlorobenzene		----------NA----------					
117		1,2,4-trichlorobenzene		----------NA----------					
118		hexachlorobutadiene		----------NA----------					
119		naphthalene		----------NA----------					
120		1,2,3-trichlorobenzene		----------NA----------					
121		hexachloroethane		----------NA----------					
122		benzyl chloride		----------NA----------					
123		2-methylnaphthalene		----------NA----------					
124		pentafluorobenzene(a)	1.000	1.000	0.0	103	0.00	3.65	
125		Freon 114		----------NA----------					
126		Freon 142B		----------NA----------					
127		vinyl bromide		----------NA----------					
128		allyl chloride		----------NA----------					
129		1,4-dichlorobenzene-d4(a)	1.000	1.000	0.0	101	0.00	7.58	
130		4-ethyltoluene		----------NA----------					

(#) = Out of Range SPCC's out = 0 CCC's out = 0

4A9724.D M4a284.M Mon Sep 16 12:31:41 2024

Continuing Calibration Summary

Job Number: JE1300 **Sample:** V4A342-CC284
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 4A12031.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\k...2624\v4a342\4A12031.d Vial: 5
Acq On : 25 Nov 2024 9:05 am Operator: edwardd
Sample : cc284-20 Inst : GCMS4A5A
Misc : MS87443,V4A342,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M4a284.M (RTE Integrator)
Title : SW846 Method V8260C/D and EPA 624.1, column ZB-624 60m x 0.25mm x 1.4 um
Last Update : Fri Oct 11 12:25:52 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	tert Butyl Alcohol-d9	1.000	1.000	0.0	82	0.00	2.64
2	1,4-dioxane	0.084	0.091	-8.3	86	0.00	4.46
3	ethanol	0.092	0.084	8.7	78	0.00	2.14
4 M	tertiary butyl alcohol	1.278	1.291	-1.0	82	0.00	2.69
5 I	pentafluorobenzene	1.000	1.000	0.0	113	0.00	3.65
6	chlorodifluoromethane	0.689	0.668	3.0	109	-0.01	1.41
7	dichlorodifluoromethane	0.730	0.550	24.7#	86	0.00	1.40
8	chloromethane	0.699	0.579	17.2	100	0.00	1.54
9	vinyl chloride	0.635	0.555	12.6	102	0.00	1.61
10	1,3-butadiene	0.550	0.590	-7.3	126	0.00	1.64
11	bromomethane	0.150	0.194	-29.3#	155	0.00	1.84
	----------	True	Calc.	% Drift	----------		
12	chloroethane	20.000	20.113	-0.6	108	0.00	1.91
	----------	AvgRF	CCRF	% Dev	----------		
13	trichlorofluoromethane	0.676	0.631	6.7	102	0.00	2.07
14	ethyl ether	0.259	0.270	-4.2	109	0.00	2.22
15	acrolein	0.128	0.140	-9.4	133	0.00	2.31
16	freon 113	0.344	0.364	-5.8	115	0.00	2.38
17	1,1-dichloroethene	0.372	0.368	1.1	109	0.00	2.38
18	acetone	0.103	0.074	28.2#	82	0.00	2.39
19	acetonitrile	0.067	0.060	10.4	99	0.00	2.55
	----------	True	Calc.	% Drift	----------		
20	iodomethane	20.000	18.063	9.7	102	0.00	2.48
	----------	AvgRF	CCRF	% Dev	----------		
21	iso-butyl alcohol	0.046	0.030	34.8#	72	0.00	3.77
22	carbon disulfide	1.239	1.207	2.6	113	0.00	2.53
23	methylene chloride	0.448	0.419	6.5	108	0.00	2.66
24	methyl acetate	0.113	0.115	-1.8	113	0.00	2.56
25	methyl tert butyl ether	1.294	1.243	3.9	101	0.00	2.80
26	trans-1,2-dichloroethene	0.417	0.404	3.1	107	0.00	2.82
27	hexane	0.755	0.760	-0.7	117	0.00	2.97
28	di-isopropyl ether	1.911	1.783	6.7	100	0.00	3.06
29	ethyl tert-butyl ether	1.671	1.543	7.7	102	0.00	3.27
30	2-butanone	0.090	0.080	11.1	99	0.00	3.36
31 M	1,1-dichloroethane	0.901	0.877	2.7	107	0.00	3.07
32	chloroprene	0.835	0.778	6.8	101	0.00	3.11
33	acrylonitrile	0.282	0.292	-3.5	119	0.00	2.78

Continuing Calibration Summary

Job Number: JE1300 **Sample:** V4A342-CC284
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 4A12031.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

34		vinyl acetate	0.074	0.092	-24.3#	130	0.00	3.04
35		ethyl acetate	0.146	0.133	8.9	100	0.00	3.37
36		2,2-dichloropropane	0.657	0.604	8.1	108	0.00	3.40
37		cis-1,2-dichloroethene	0.465	0.464	0.2	113	0.00	3.39
38		propionitrile	0.135	0.129	4.4	103	0.00	3.40
39		methyl acrylate	0.091	0.086	5.5	101	0.00	3.42
40		bromochloromethane	0.227	0.228	-0.4	106	0.00	3.53
41		tetrahydrofuran	0.104	0.095	8.7	94	0.00	3.54
42		chloroform	0.814	0.741	9.0	104	0.00	3.57
43	S	dibromofluoromethane (s)	0.521	0.525	-0.8	117	0.00	3.66
44		methacrylonitrile	0.259	0.253	2.3	101	0.00	3.49
45		1,1,1-trichloroethane	0.648	0.619	4.5	107	0.00	3.69
46		cyclohexane	0.633	0.594	6.2	107	0.00	3.74
47		1,1-dichloropropene	0.586	0.581	0.9	108	0.00	3.77
48		carbon tetrachloride	0.564	0.545	3.4	107	0.00	3.78
49		isopropyl acetate	0.111	0.102	8.1	100	0.00	3.87
50		tert amyl alcohol	0.041	0.034	17.1	99	0.00	3.85
51	I	1,4-difluorobenzene	1.000	1.000	0.0	114	0.00	4.12
52	S	1,2-dichloroethane-d4 (s)	0.338	0.333	1.5	113	0.00	3.87
53		tert-amyl methyl ether	0.709	0.672	5.2	101	0.00	3.94
54		2,2,4-trimethylpentane	0.718	0.739	-2.9	116	0.00	3.94
55		n-butyl alcohol	0.015	0.010	33.3#	74	0.00	4.15
56	M	benzene	0.997	0.960	3.7	107	0.00	3.90
57		heptane	0.151	0.165	-9.3	126	0.00	4.03
58		1,2-dichloroethane	0.380	0.355	6.6	106	0.00	3.91
59		trichloroethene	0.252	0.244	3.2	103	0.00	4.27
60		ethyl acrylate	0.512	0.459	10.4	98	0.00	4.28
61		2-nitropropane	0.119	0.104	12.6	103	0.00	4.71
62		2-chloroethyl vinyl ether	0.170	0.170	0.0	104	0.00	4.73
63		methyl methacrylate	0.084	0.079	6.0	100	0.00	4.43
64		1,2-dichloropropane	0.282	0.288	-2.1	107	0.00	4.43
65		methylcyclohexane	0.357	0.371	-3.9	114	0.00	4.43
66		dibromomethane	0.153	0.147	3.9	103	0.00	4.49
67		bromodichloromethane	0.329	0.314	4.6	107	0.00	4.58
68		cis-1,3-dichloropropene	0.406	0.396	2.5	102	0.00	4.85
69		epichlorohydrin	0.055	0.048	12.7	96	0.00	4.77
70		4-methyl-2-pentanone	0.157	0.154	1.9	102	0.00	4.92
71		3-methyl-1-butanol	0.011	0.008	27.3#	79	0.00	4.93
72	I	chlorobenzene-d5	1.000	1.000	0.0	110	0.00	6.00
73	S	toluene-d8 (s)	1.182	1.225	-3.6	116	0.00	5.02
74		toluene	0.639	0.645	-0.9	108	0.00	5.07
75		trans-1,3-dichloropropene	0.400	0.392	2.0	102	0.00	5.20
76		ethyl methacrylate	0.368	0.354	3.8	101	0.00	5.21
77		1,1,2-trichloroethane	0.217	0.223	-2.8	112	0.00	5.33
78		2-hexanone	0.193	0.185	4.1	96	0.00	5.45
79		tetrachloroethene	0.305	0.306	-0.3	109	0.00	5.41
80		1,3-dichloropropane	0.423	0.438	-3.5	107	0.00	5.45
81		butyl acetate	0.278	0.261	6.1	103	0.00	5.52
82		dibromochloromethane	0.280	0.294	-5.0	110	0.00	5.59
83		1,2-dibromoethane	0.270	0.283	-4.8	110	0.00	5.68
84		n-butyl ether	1.370	1.371	-0.1	103	0.00	6.04
85		chlorobenzene	0.732	0.765	-4.5	111	0.00	6.02
86		1,1,1,2-tetrachloroethane	0.257	0.248	3.5	98	0.00	6.07
87		ethylbenzene	1.202	1.185	1.4	104	0.00	6.07
88		m,p-xylene	0.493	0.499	-1.2	108	0.00	6.16
89		o-xylene	0.466	0.492	-5.6	108	0.00	6.43
90		butyl acrylate	0.717	0.693	3.3	101	0.00	6.37
91		n-amyl acetate	0.202	0.206	-2.0	107	0.00	6.51

Continuing Calibration Summary

Job Number: JE1300 **Sample:** V4A342-CC284
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 4A12031.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

92		styrene	0.804	0.846	-5.2	106	0.00	6.45
93		bromoform	0.203	0.201	1.0	107	0.00	6.59
94		isopropylbenzene	1.096	1.089	0.6	106	0.00	6.68
95		cis-1,4-dichloro-2-butene	0.130	0.095	26.9#	79	0.00	6.72
96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	104	0.00	7.58
97	S	4-bromofluorobenzene (s)	0.870	0.892	-2.5	106	0.00	6.81
98		bromobenzene	0.584	0.620	-6.2	106	0.00	6.92
99		1,1,2,2-tetrachloroethane	0.647	0.699	-8.0	113	0.00	6.88
100		trans-1,4-dichloro-2-bute	0.241	0.197	18.3	84	0.00	6.91
101		1,2,3-trichloropropane	0.198	0.195	1.5	104	0.00	6.93
102		n-propylbenzene	2.418	2.595	-7.3	108	0.00	6.96
103		2-chlorotoluene	0.527	0.572	-8.5	107	0.00	7.04
104		4-chlorotoluene	0.545	0.599	-9.9	105	0.00	7.12
105		1,3,5-trimethylbenzene	1.764	1.856	-5.2	106	0.00	7.08
106		tert-butylbenzene	1.523	1.638	-7.6	108	0.00	7.30
107		1,2,4-trimethylbenzene	1.786	1.919	-7.4	105	0.00	7.33
108		sec-butylbenzene	2.123	2.289	-7.8	107	0.00	7.44
109		1,3-dichlorobenzene	1.111	1.230	-10.7	110	0.00	7.53
110		p-isopropyltoluene	1.824	1.974	-8.2	107	0.00	7.53
111		1,2,3-trimethylbenzene	1.819	1.952	-7.3	107	0.00	7.61
112		1,4-dichlorobenzene	1.103	1.178	-6.8	106	0.00	7.60
113		1,2-dichlorobenzene	1.024	1.138	-11.1	109	0.00	7.83
114		n-butylbenzene	0.808	0.871	-7.8	107	0.00	7.80
115		1,2-dibromo-3-chloropropa	0.206	0.213	-3.4	105	0.00	8.31
116		1,3,5-trichlorobenzene	0.719	0.739	-2.8	105	0.00	8.42
117		1,2,4-trichlorobenzene	0.613	0.650	-6.0	103	0.00	8.80
118		hexachlorobutadiene	0.228	0.261	-14.5	112	0.00	8.87
119		naphthalene	1.999	2.026	-1.4	101	0.00	8.96
120		1,2,3-trichlorobenzene	0.607	0.589	3.0	98	0.00	9.09
121		hexachloroethane	0.267	0.268	-0.4	106	0.00	8.00
122		benzyl chloride	1.157	1.128	2.5	98	0.00	7.66
123		2-methylnaphthalene	0.912	0.749	17.9	85	0.00	9.66
124		pentafluorobenzene(a)	1.000	1.000	0.0	127	0.00	3.65
125		Freon 114	----------NA----------					
126		Freon 142B	----------NA----------					
127		vinyl bromide	----------NA----------					
128		allyl chloride	----------NA----------					
129		1,4-dichlorobenzene-d4(a)	1.000	1.000	0.0	104	0.00	7.58
130		4-ethyltoluene	----------NA----------					

(#) = Out of Range SPCC's out = 0 CCC's out = 0
4A9722.D M4a284.M Mon Nov 25 23:26:05 2024

Continuing Calibration Summary

Job Number: JE1300 **Sample:** V4A342-CC284
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 4A12033.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\k...2624\v4a342\4A12033.d Vial: 7
Acq On : 25 Nov 2024 9:56 am Operator: edwardd
Sample : cc284-2 Inst : GCMS4A5A
Misc : MS87443,V4A342,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M4a284.M (RTE Integrator)
Title : SW846 Method V8260C/D and EPA 624.1, column ZB-624 60m x 0.25mm x 1.4 um
Last Update : Fri Oct 11 12:25:52 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 100% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert Butyl Alcohol-d9	1.000	1.000	0.0	82	0.00	2.64
2		1,4-dioxane		----------	NA	----------		
3		ethanol		----------	NA	----------		
4	M	tertiary butyl alcohol		----------	NA	----------		
5	I	pentafluorobenzene	1.000	1.000	0.0	123	0.00	3.65
6		chlorodifluoromethane		----------	NA	----------		
7		dichlorodifluoromethane	0.730	0.407	44.2	70	0.00	1.40
8		chloromethane		----------	NA	----------		
9		vinyl chloride		----------	NA	----------		
10		1,3-butadiene		----------	NA	----------		
11		bromomethane		----------	NA	----------		
		----------	True	Calc.	% Drift	----------		
12		chloroethane		----------	NA	----------		
		----------	AvgRF	CCRF	% Dev	----------		
13		trichlorofluoromethane		----------	NA	----------		
14		ethyl ether		----------	NA	----------		
15		acrolein		----------	NA	----------		
16		freon 113		----------	NA	----------		
17		1,1-dichloroethene		----------	NA	----------		
18		acetone	0.103	0.083	19.4	114	0.00	2.39
19		acetonitrile		----------	NA	----------		
		----------	True	Calc.	% Drift	----------		
20		iodomethane		----------	NA	----------		
		----------	AvgRF	CCRF	% Dev	----------		
21		iso-butyl alcohol	0.046	0.028	39.1	67	0.00	3.77
22		carbon disulfide		----------	NA	----------		
23		methylene chloride		----------	NA	----------		
24		methyl acetate		----------	NA	----------		
25		methyl tert butyl ether		----------	NA	----------		
26		trans-1,2-dichloroethene		----------	NA	----------		
27		hexane		----------	NA	----------		
28		di-isopropyl ether		----------	NA	----------		
29		ethyl tert-butyl ether		----------	NA	----------		
30		2-butanone		----------	NA	----------		
31	M	1,1-dichloroethane		----------	NA	----------		
32		chloroprene		----------	NA	----------		
33		acrylonitrile		----------	NA	----------		

Continuing Calibration Summary

Job Number: JE1300 **Sample:** V4A342-CC284
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 4A12033.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

34		vinyl acetate		----------NA----------				
35		ethyl acetate		----------NA----------				
36		2,2-dichloropropane		----------NA----------				
37		cis-1,2-dichloroethene		----------NA----------				
38		propionitrile		----------NA----------				
39		methyl acrylate		----------NA----------				
40		bromochloromethane		----------NA----------				
41		tetrahydrofuran		----------NA----------				
42		chloroform		----------NA----------				
43	S	dibromofluoromethane (s)	0.521	0.528	-1.3	123	0.00	3.67
44		methacrylonitrile		----------NA----------				
45		1,1,1-trichloroethane		----------NA----------				
46		cyclohexane		----------NA----------				
47		1,1-dichloropropene		----------NA----------				
48		carbon tetrachloride		----------NA----------				
49		isopropyl acetate		----------NA----------				
50		tert amyl alcohol		----------NA----------				
51	I	1,4-difluorobenzene	1.000	1.000	0.0	124	0.00	4.12
52	S	1,2-dichloroethane-d4 (s)	0.338	0.333	1.5	119	0.00	3.87
53		tert-amyl methyl ether		----------NA----------				
54		2,2,4-trimethylpentane		----------NA----------				
55		n-butyl alcohol	0.015	0.011	26.7	107	0.00	4.16
56	M	benzene		----------NA----------				
57		heptane		----------NA----------				
58		1,2-dichloroethane		----------NA----------				
59		trichloroethene		----------NA----------				
60		ethyl acrylate		----------NA----------				
61		2-nitropropane		----------NA----------				
62		2-chloroethyl vinyl ether		----------NA----------				
63		methyl methacrylate		----------NA----------				
64		1,2-dichloropropane		----------NA----------				
65		methylcyclohexane		----------NA----------				
66		dibromomethane		----------NA----------				
67		bromodichloromethane		----------NA----------				
68		cis-1,3-dichloropropene		----------NA----------				
69		epichlorohydrin		----------NA----------				
70		4-methyl-2-pentanone		----------NA----------				
71		3-methyl-1-butanol	0.011	0.005	54.5	75	0.00	4.93
72	I	chlorobenzene-d5	1.000	1.000	0.0	115	0.00	6.00
73	S	toluene-d8 (s)	1.182	1.258	-6.4	119	0.00	5.02
74		toluene		----------NA----------				
75		trans-1,3-dichloropropene		----------NA----------				
76		ethyl methacrylate		----------NA----------				
77		1,1,2-trichloroethane		----------NA----------				
78		2-hexanone		----------NA----------				
79		tetrachloroethene		----------NA----------				
80		1,3-dichloropropane		----------NA----------				
81		butyl acetate		----------NA----------				
82		dibromochloromethane		----------NA----------				
83		1,2-dibromoethane		----------NA----------				
84		n-butyl ether		----------NA----------				
85		chlorobenzene		----------NA----------				
86		1,1,1,2-tetrachloroethane		----------NA----------				
87		ethylbenzene		----------NA----------				
88		m,p-xylene		----------NA----------				
89		o-xylene		----------NA----------				
90		butyl acrylate		----------NA----------				
91		n-amyl acetate		----------NA----------				

Continuing Calibration Summary

Job Number: JE1300 **Sample:** V4A342-CC284
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 4A12033.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

92		styrene		----------NA----------					
93		bromoform		----------NA----------					
94		isopropylbenzene		----------NA----------					
95		cis-1,4-dichloro-2-butene	0.130	0.070	46.2	0#	0.00	6.72	
96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	102	0.00	7.58	
97	S	4-bromofluorobenzene (s)	0.870	0.895	-2.9	108	0.00	6.81	
98		bromobenzene		----------NA----------					
99		1,1,2,2-tetrachloroethane		----------NA----------					
100		trans-1,4-dichloro-2-bute		----------NA----------					
101		1,2,3-trichloropropane		----------NA----------					
102		n-propylbenzene		----------NA----------					
103		2-chlorotoluene		----------NA----------					
104		4-chlorotoluene		----------NA----------					
105		1,3,5-trimethylbenzene		----------NA----------					
106		tert-butylbenzene		----------NA----------					
107		1,2,4-trimethylbenzene		----------NA----------					
108		sec-butylbenzene		----------NA----------					
109		1,3-dichlorobenzene		----------NA----------					
110		p-isopropyltoluene		----------NA----------					
111		1,2,3-trimethylbenzene		----------NA----------					
112		1,4-dichlorobenzene		----------NA----------					
113		1,2-dichlorobenzene		----------NA----------					
114		n-butylbenzene		----------NA----------					
115		1,2-dibromo-3-chloropropa		----------NA----------					
116		1,3,5-trichlorobenzene		----------NA----------					
117		1,2,4-trichlorobenzene		----------NA----------					
118		hexachlorobutadiene		----------NA----------					
119		naphthalene		----------NA----------					
120		1,2,3-trichlorobenzene		----------NA----------					
121		hexachloroethane		----------NA----------					
122		benzyl chloride		----------NA----------					
123		2-methylnaphthalene		----------NA----------					
124		pentafluorobenzene(a)	1.000	1.000	0.0	141	0.00	3.65	
125		Freon 114		----------NA----------					
126		Freon 142B		----------NA----------					
127		vinyl bromide		----------NA----------					
128		allyl chloride		----------NA----------					
129		1,4-dichlorobenzene-d4(a)	1.000	1.000	0.0	102	0.00	7.58	
130		4-ethyltoluene		----------NA----------					

(#) = Out of Range SPCC's out = 0 CCC's out = 0
4A9716.D M4a284.M Mon Nov 25 23:30:06 2024

Run Sequence Report

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: V4A284	**Method:** SW846 8260D	**Instrument ID:** GCMS4A

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V4A284-BFB	4A9708.D	09/09/24 16:50	n/a	BFB Tune
V4A284-IC284	4A9710.D	09/09/24 17:38	n/a	Initial cal 0.2
V4A284-IC284	4A9712.D	09/09/24 18:13	n/a	Initial cal 0.5
V4A284-IC284	4A9714.D	09/09/24 18:49	n/a	Initial cal 1
V4A284-IC284	4A9716.D	09/09/24 19:25	n/a	Initial cal 2
V4A284-IC284	4A9718.D	09/09/24 20:00	n/a	Initial cal 4
V4A284-IC284	4A9720.D	09/09/24 20:37	n/a	Initial cal 8
V4A284-IC284	4A9722.D	09/09/24 21:13	n/a	Initial cal 20
V4A284-ICC284	4A9724.D	09/09/24 21:48	n/a	Initial cal 50
V4A284-IC284	4A9726.D	09/09/24 22:24	n/a	Initial cal 100
V4A284-IC284	4A9728.D	09/09/24 22:59	n/a	Initial cal 200
V4A284-ICV284	4A9734.D	09/10/24 00:47	n/a	Initial cal verification 50
V4A284-BFB2	4A9740.D	09/13/24 16:18	n/a	BFB Tune
V4A284-ICV284	4A9742.D	09/13/24 16:54	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: V4A342	**Method:** SW846 8260D	**Instrument ID:** GCMS4A

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V4A342-CC284	4A12031.D	11/25/24 09:05	n/a	Continuing cal 20
V4A342-CC284	4A12033.D	11/25/24 09:56	n/a	Continuing cal 2
V4A342-BS	4A12035.D	11/25/24 10:31	n/a	Blank Spike
V4A342-MB	4A12039.D	11/25/24 11:42	n/a	Method Blank
ZZZZZZ	4A12041.D	11/25/24 12:18	n/a	(unrelated sample)
ZZZZZZ	4A12043.D	11/25/24 12:54	n/a	(unrelated sample)
ZZZZZZ	4A12045.D	11/25/24 13:29	n/a	(unrelated sample)
JE1219-1	4A12047.D	11/25/24 14:05	n/a	(used for QC only; not part of job JE1300)
JE1219-3	4A12049.D	11/25/24 14:41	n/a	(used for QC only; not part of job JE1300)
ZZZZZZ	4A12051.D	11/25/24 15:17	n/a	(unrelated sample)
ZZZZZZ	4A12053.D	11/25/24 15:53	n/a	(unrelated sample)
ZZZZZZ	4A12055.D	11/25/24 16:29	n/a	(unrelated sample)
ZZZZZZ	4A12057.D	11/25/24 17:05	n/a	(unrelated sample)
JE1219-1MS	4A12059.D	11/25/24 17:41	n/a	Matrix Spike
JE1219-3DUP	4A12063.D	11/25/24 18:53	n/a	Duplicate
JE1300-51	4A12065.D	11/25/24 19:29	n/a	FB-2
ZZZZZZ	4A12067.D	11/25/24 20:05	n/a	(unrelated sample)
ZZZZZZ	4A12069.D	11/25/24 20:40	n/a	(unrelated sample)

MS Volatiles

Raw Data

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\112624\v4a342\
Data File : 4A12065.d
Acq On : 25 Nov 2024 7:29 pm
Operator : edwardd
Sample : je1300-51 Inst : GCMS4A5A
Misc : MS87542,V4A342,5,,,,1
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Nov 26 02:14:20 2024
Quant Method : C:\msdchem\1\methods\M4a284.M
Quant Title : SW846 Method V8260C/D and EPA 624.1, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 11 12:25:52 2024
Response via : Initial Calibration

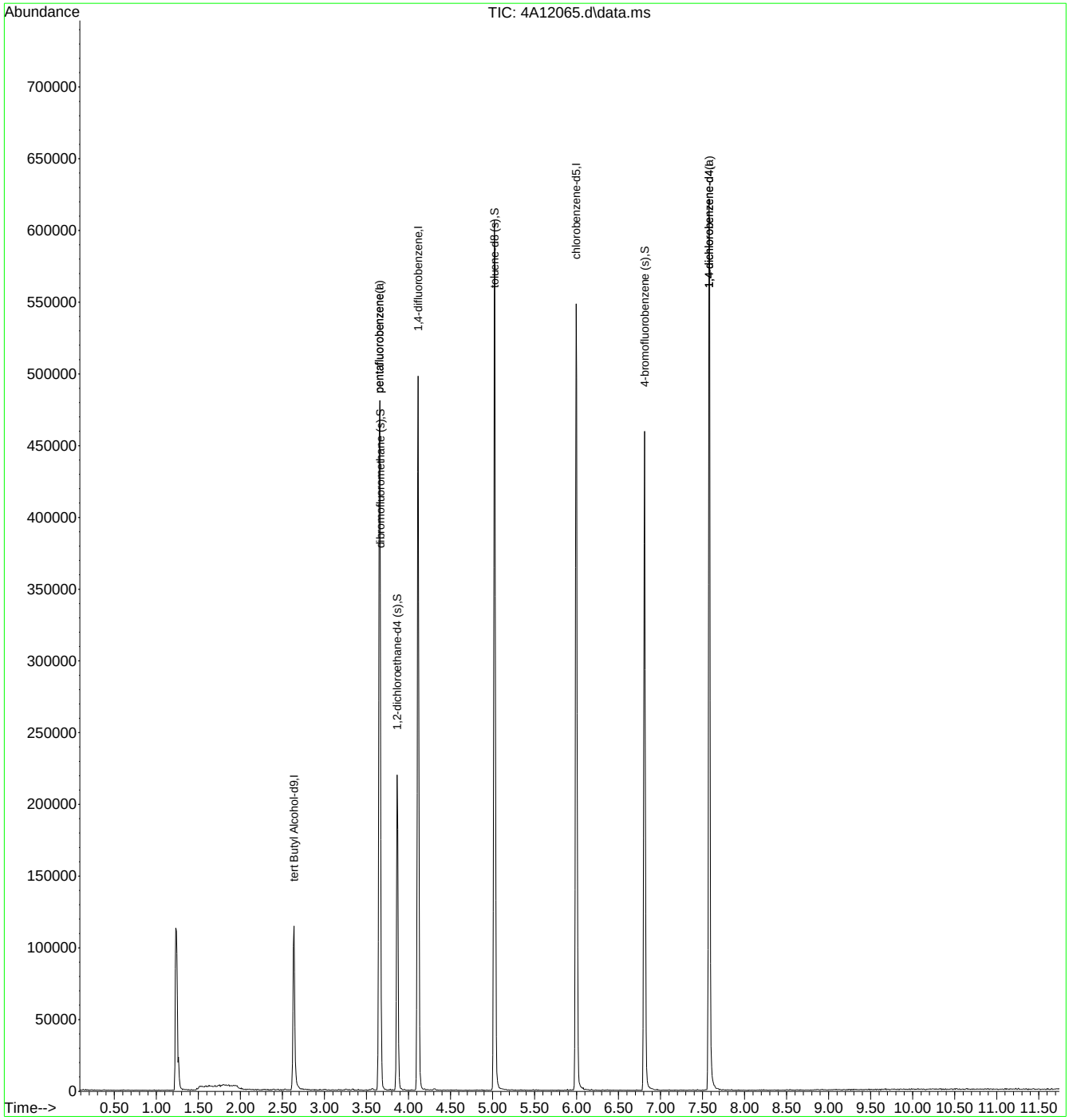
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert Butyl Alcohol-d9	2.637	65	88706	500.00	ug/L	0.00
5) pentafluorobenzene	3.653	168	166551	50.00	ug/L	0.00
51) 1,4-difluorobenzene	4.115	114	289921	50.00	ug/L	0.00
72) chlorobenzene-d5	5.995	117	250023	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	7.577	152	134154	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.653	168	166551	50.00	ug/L	0.00
129) 1,4-dichlorobenzene-d4(a)	7.577	152	134154	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	3.665	113	91378	52.64	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 105.28%			
52) 1,2-dichloroethane-d4 (s)	3.866	65	99635	50.82	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 101.64%			
73) toluene-d8 (s)	5.022	98	309826	52.41	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 104.82%			
97) 4-bromofluorobenzene (s)	6.810	95	117438	50.32	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.64%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\112624\v4a342\
Data File : 4A12065.d
Acq On : 25 Nov 2024 7:29 pm
Operator : edwardd
Sample : je1300-51 Inst : GCMS4A5A
Misc : MS87542,V4A342,5,,,,1
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Nov 26 02:14:20 2024
Quant Method : C:\msdchem\1\methods\M4a284.M
Quant Title : SW846 Method V8260C/D and EPA 624.1, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 11 12:25:52 2024
Response via : Initial Calibration



LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\kristelv\112624\v4a342\
Data File : 4A12065.d
Acq On : 25 Nov 2024 7:29 pm
Operator : edwardd
Sample : je1300-51
Misc : MS87542,V4A342,5,,,,1
ALS Vial : 39 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 300 Area counts
Start Thrs: 0.3 Max Peaks: 100
Stop Thrs : 0.3 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M4a284.M
Title : SW846 Method V8260C/D and EPA 624.1, column ZB-624 60m x 0.25mm x 1.4 um

Signal : TIC: 4A12065.d\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	0.228	20	24	27	rBV2	496	871	0.11%	0.017%
2	0.380	43	49	54	rBV2	619	1239	0.15%	0.025%
3	0.605	84	86	91	rVV2	517	616	0.07%	0.012%
4	0.660	92	95	101	rVB2	325	622	0.08%	0.012%
5	1.061	159	161	166	rBV2	366	649	0.08%	0.013%
6	1.232	184	189	202	rBV2	113066	206186	24.97%	4.128%
7	1.414	217	219	222	rBV	639	545	0.07%	0.011%
8	1.439	222	223	227	rBV	485	517	0.06%	0.010%
9	1.481	228	230	232	rBV	1402	1199	0.15%	0.024%
10	1.524	232	237	238	rBV	2035	3241	0.39%	0.065%
11	1.591	245	248	250	rBV3	1047	1084	0.13%	0.022%
12	1.755	270	275	276	rVB2	1490	2000	0.24%	0.040%
13	2.199	347	348	353	rVB2	664	770	0.09%	0.015%
14	2.278	357	361	364	rBV2	589	843	0.10%	0.017%
15	2.394	377	380	383	rBV3	840	1043	0.13%	0.021%
16	2.448	383	389	392	rVB3	947	1352	0.16%	0.027%
17	2.534	400	403	405	rBV2	915	1085	0.13%	0.022%
18	2.637	412	420	433	rBV	114051	171651	20.78%	3.437%
19	2.771	440	442	446	rVB2	548	584	0.07%	0.012%
20	2.874	456	459	460	rVB	532	543	0.07%	0.011%
21	2.947	467	471	474	rBV2	598	585	0.07%	0.012%
22	3.166	504	507	510	rBV2	603	633	0.08%	0.013%
23	3.258	516	522	527	rVV2	775	1389	0.17%	0.028%
24	3.337	531	535	540	rVV2	1026	1101	0.13%	0.022%
25	3.446	548	553	556	rVB2	449	801	0.10%	0.016%
26	3.501	556	562	565	rBV2	536	991	0.12%	0.020%
27	3.537	565	568	569	rBV2	575	518	0.06%	0.010%
28	3.574	569	574	581	rVV4	1176	2058	0.25%	0.041%
29	3.659	581	588	603	rVV2	480691	714842	86.56%	14.313%
30	3.787	606	609	611	rVB	808	594	0.07%	0.012%
31	3.866	616	622	633	rVV	219853	284192	34.41%	5.690%
32	3.951	633	636	641	rVB2	749	952	0.12%	0.019%
33	4.115	655	663	673	rVV	497780	640944	77.61%	12.833%
34	4.188	673	675	678	rVB4	971	1126	0.14%	0.023%
35	4.219	678	680	685	rVB3	557	762	0.09%	0.015%
36	4.304	690	694	700	rBV3	988	1915	0.23%	0.038%
37	4.687	752	757	759	rVB	442	535	0.06%	0.011%
38	4.724	759	763	766	rBV2	487	617	0.07%	0.012%
39	4.876	786	788	791	rVB	596	514	0.06%	0.010%
40	5.022	801	812	832	rBV	606451	825854	100.00%	16.536%

LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\kristelv\112624\v4a342\
Data File : 4A12065.d
Acq On : 25 Nov 2024 7:29 pm
Operator : edwardd
Sample : je1300-51
Misc : MS87542,V4A342,5,,,,1
ALS Vial : 39 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 300 Area counts
Start Thrs: 0.3 Max Peaks: 100
Stop Thrs : 0.3 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M4a284.M
Title : SW846 Method V8260C/D and EPA 624.1, column ZB-624 60m x 0.25mm x 1.4 um

41	5.223	842	845	851	rVV3	530	743	0.09%	0.015%
42	5.344	861	865	867	rBV	520	553	0.07%	0.011%
43	5.521	890	894	897	rBV2	417	552	0.07%	0.011%
44	5.794	935	939	942	rBV2	451	581	0.07%	0.012%
45	5.995	966	972	989	rBV	548153	733825	88.86%	14.693%
46	6.178	1000	1002	1006	rVB	774	702	0.09%	0.014%
47	6.232	1008	1011	1016	rBV2	464	648	0.08%	0.013%
48	6.311	1021	1024	1028	rVB2	632	846	0.10%	0.017%
49	6.810	1099	1106	1126	rBV	459287	571758	69.23%	11.448%
50	7.388	1197	1201	1204	rVB	507	527	0.06%	0.011%
51	7.437	1208	1209	1216	rVB2	704	889	0.11%	0.018%
52	7.577	1222	1232	1247	rBV	621086	765732	92.72%	15.332%
53	7.705	1252	1253	1257	rVB3	765	841	0.10%	0.017%
54	7.741	1257	1259	1263	rBV4	605	730	0.09%	0.015%
55	7.930	1286	1290	1293	rVB2	617	521	0.06%	0.010%
56	8.051	1309	1310	1315	rBV2	412	648	0.08%	0.013%
57	8.088	1315	1316	1323	rVB2	330	522	0.06%	0.010%
58	8.453	1373	1376	1381	rVB2	405	624	0.08%	0.012%
59	8.508	1381	1385	1388	rBV2	487	952	0.12%	0.019%
60	8.538	1389	1390	1399	rVB3	673	1214	0.15%	0.024%
61	8.629	1399	1405	1407	rBV2	530	976	0.12%	0.020%
62	8.860	1442	1443	1449	rVB2	469	709	0.09%	0.014%
63	9.183	1492	1496	1500	rBV3	649	1271	0.15%	0.025%
64	9.219	1500	1502	1504	rVV2	566	554	0.07%	0.011%
65	9.238	1504	1505	1509	rVB2	652	680	0.08%	0.014%
66	9.268	1509	1510	1514	rBV2	642	723	0.09%	0.014%
67	9.323	1517	1519	1523	rVV3	585	773	0.09%	0.015%
68	9.444	1534	1539	1542	rBV2	460	831	0.10%	0.017%
69	9.475	1542	1544	1546	rVB2	719	579	0.07%	0.012%
70	9.560	1555	1558	1559	rVB2	773	683	0.08%	0.014%
71	9.578	1559	1561	1563	rBV2	745	762	0.09%	0.015%
72	9.627	1568	1569	1572	rBV2	771	778	0.09%	0.016%
73	9.706	1580	1582	1585	rVB2	518	664	0.08%	0.013%
74	9.846	1604	1605	1611	rBV2	508	918	0.11%	0.018%
75	10.126	1650	1651	1657	rVB3	527	533	0.06%	0.011%
76	10.211	1657	1665	1666	rBV3	673	1158	0.14%	0.023%
77	10.235	1667	1669	1673	rVB4	459	551	0.07%	0.011%
78	10.339	1681	1686	1687	rVB2	934	1178	0.14%	0.024%
79	10.491	1709	1711	1712	rBV2	626	584	0.07%	0.012%
80	10.515	1714	1715	1720	rVV4	750	985	0.12%	0.020%
81	10.588	1726	1727	1732	rVB3	492	573	0.07%	0.011%
82	10.655	1732	1738	1740	rBV3	769	1245	0.15%	0.025%
83	10.856	1769	1771	1775	rBV2	663	896	0.11%	0.018%
84	10.892	1775	1777	1780	rVB2	780	814	0.10%	0.016%
85	10.923	1780	1782	1787	rVB2	719	1010	0.12%	0.020%

LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\kristelv\112624\v4a342\
Data File : 4A12065.d
Acq On : 25 Nov 2024 7:29 pm
Operator : edwardd
Sample : je1300-51
Misc : MS87542,V4A342,5,,,,1
ALS Vial : 39 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 300 Area counts
Start Thrs: 0.3 Max Peaks: 100
Stop Thrs : 0.3 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M4a284.M
Title : SW846 Method V8260C/D and EPA 624.1, column ZB-624 60m x 0.25mm x 1.4 um

86	10.959	1787	1788	1793	rBV3	653	888	0.11%	0.018%
87	11.044	1798	1802	1803	rBV2	429	535	0.06%	0.011%
88	11.099	1809	1811	1813	rBV3	881	648	0.08%	0.013%
89	11.117	1813	1814	1819	rVB3	763	830	0.10%	0.017%
90	11.154	1819	1820	1825	rBV2	611	887	0.11%	0.018%
91	11.227	1831	1832	1835	rVB2	998	616	0.07%	0.012%
92	11.257	1835	1837	1840	rBV2	1125	861	0.10%	0.017%
93	11.324	1845	1848	1849	rVV2	654	650	0.08%	0.013%
94	11.349	1850	1852	1856	rVB2	838	964	0.12%	0.019%
95	11.379	1856	1857	1862	rBV3	635	938	0.11%	0.019%
96	11.440	1863	1867	1871	rVV4	826	1428	0.17%	0.029%
97	11.507	1874	1878	1880	rVB3	626	958	0.12%	0.019%
98	11.610	1892	1895	1899	rVB2	840	988	0.12%	0.020%
99	11.653	1899	1902	1905	rBV3	957	940	0.11%	0.019%
100	11.714	1905	1912	1913	rBV2	515	885	0.11%	0.018%

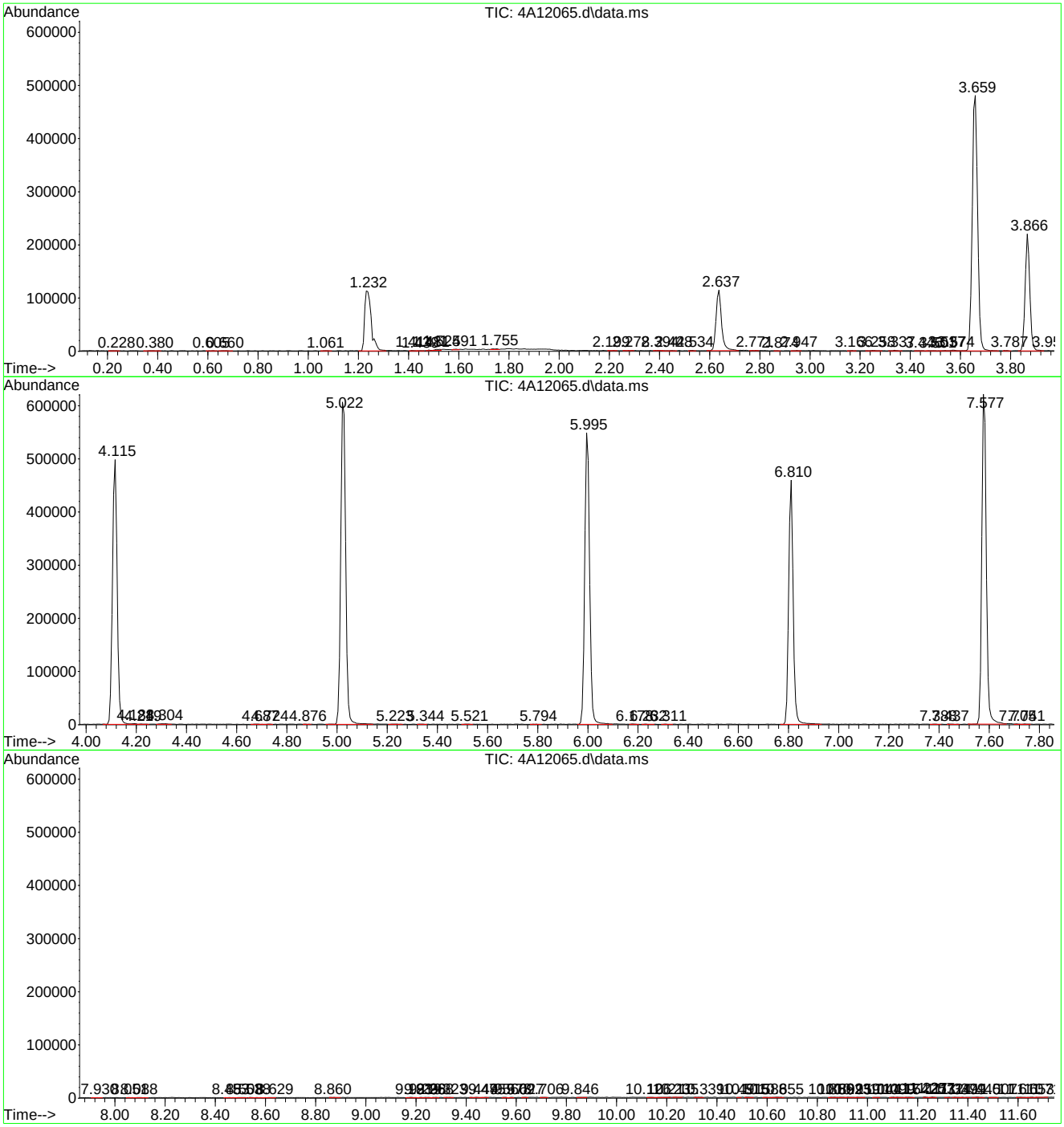
Sum of corrected areas: 4994415

LSC Report - Integrated Chromatogram

Data Path : X:\Dayton VOA GCMS\kristelv\112624\v4a342\
Data File : 4A12065.d
Acq On : 25 Nov 2024 7:29 pm
Operator : edwardd
Sample : je1300-51
Misc : MS87542,V4A342,5,,,,1
ALS Vial : 39 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M4a284.M
Quant Title : SW846 Method V8260C/D and EPA 624.1, column ZB-624 60m x 0.25mm x 1.4 um

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: lscint.p



M4a284.M Tue Nov 26 02:14:43 2024 Page: 4

Library Search Compound Report

Data Path : X:\Dayton VOA GCMS\kristelv\112624\v4a342\
Data File : 4A12065.d
Acq On : 25 Nov 2024 7:29 pm
Operator : edwardd
Sample : je1300-51
Misc : MS87542,V4A342,5,,,,1
ALS Vial : 39 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M4a284.M
Quant Title : SW846 Method V8260C/D and EPA 624.1, column ZB-624 60m x 0.25mm x 1.4 um

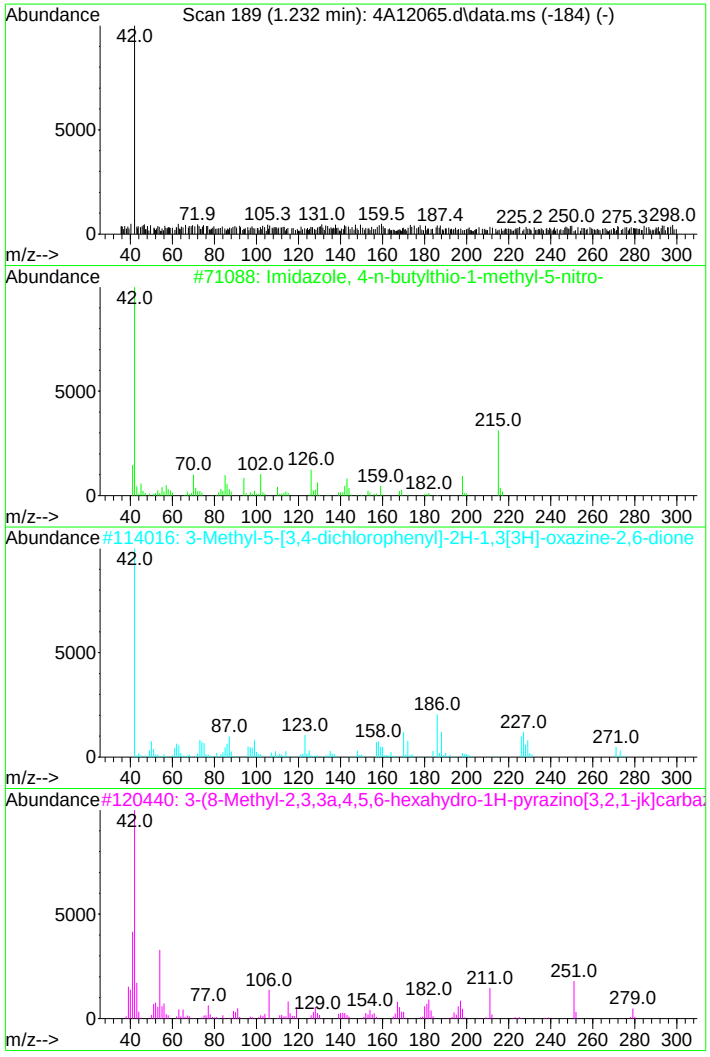
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: lscint.p

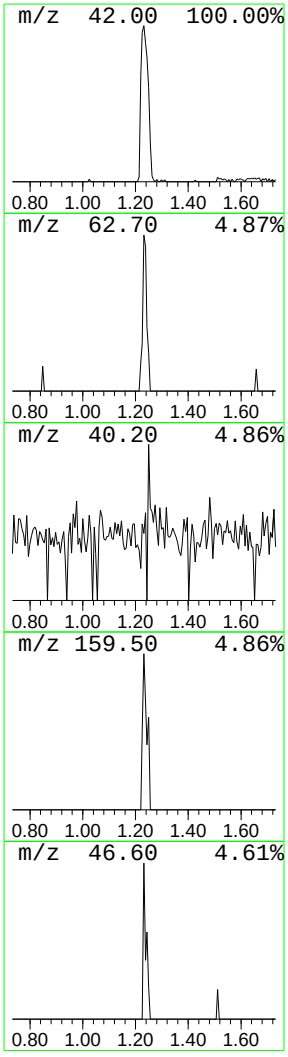
****

Peak Number 1 system artifact Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.232	14.42 ug/L	206186	pentafluorobenzene	3.653

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Imidazole, 4-n-butylthio-1-methy...	215	C8H13N3O2S	1000126-14-4	50
2	3-Methyl-5-[3,4-dichlorophenyl]-...	271	C11H7Cl2NO3	058755-83-2	50
3	3-(8-Methyl-2,3,3a,4,5,6-hexahyd...	279	C18H21N3	329070-85-1	50
4	Methylamine, N-(1-propylpentylid...	141	C9H19N	018641-75-3	49
5	Pyrazine, 2,5-dimethyl-	108	C6H8N2	000123-32-0	49





Tentatively Identified Compound (LSC) summary

Data Path : X:\Dayton VOA GCMS\kristelv\112624\v4a342\
Data File : 4A12065.d
Acq On : 25 Nov 2024 7:29 pm
Operator : edwardd
Sample : je1300-51
Misc : MS87542,V4A342,5,,,,1
ALS Vial : 39 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M4a284.M
Quant Title : SW846 Method V8260C/D and EPA 624.1, column ZB-624 60m x 0.25mm x 1.4 um

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: lscint.p

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
system artifact	1.232	14.4	ug/L	206186	2	3.653	714842	50.0

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\112624\v4a342\
Data File : 4A12039.d
Acq On : 25 Nov 2024 11:42 am
Operator : edwardd
Sample : mb Inst : GCMS4A5A
Misc : MS46075,V4A342,5,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 25 23:33:32 2024
Quant Method : C:\msdchem\1\methods\M4a284.M
Quant Title : SW846 Method V8260C/D and EPA 624.1, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 11 12:25:52 2024
Response via : Initial Calibration

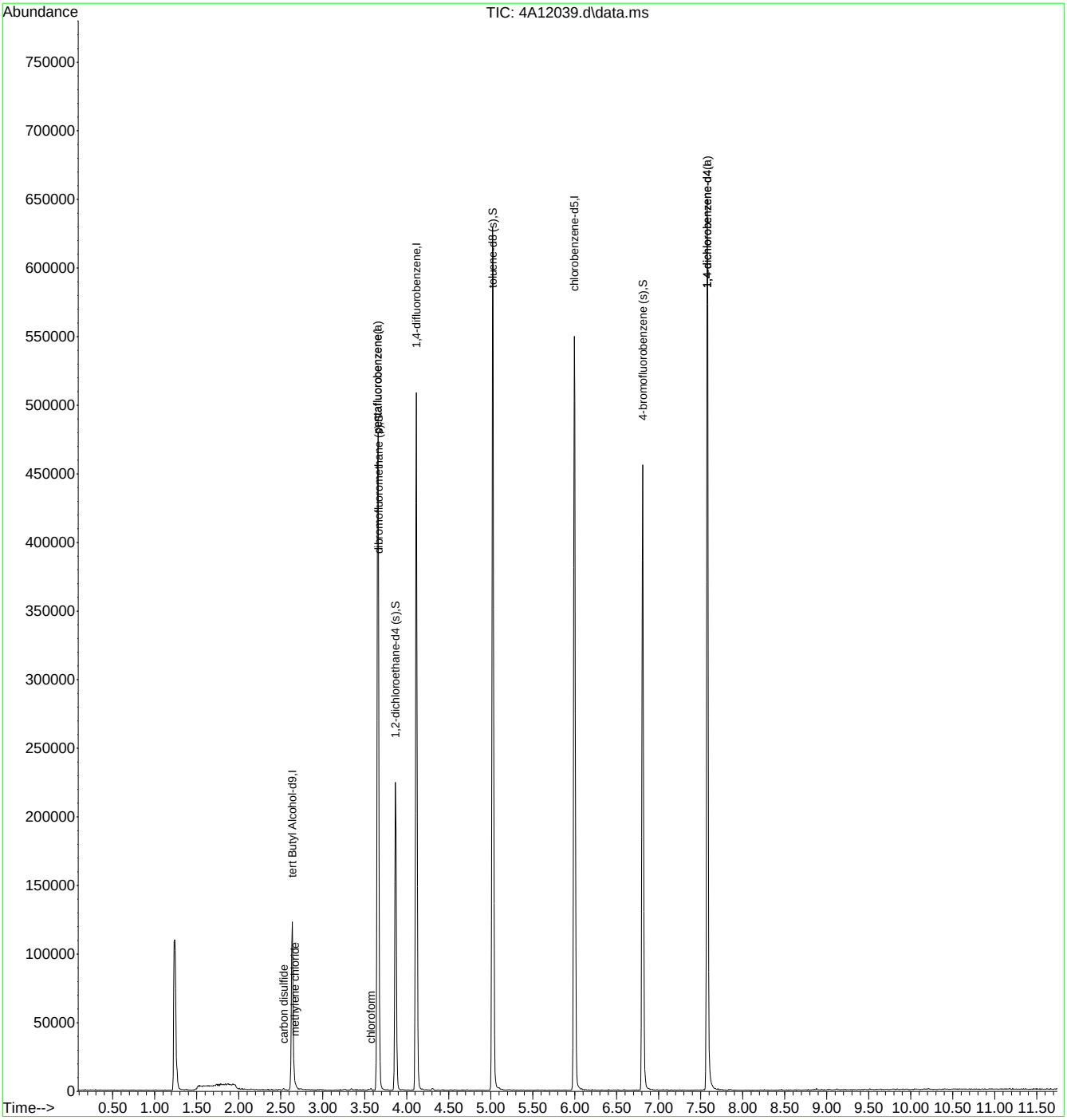
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert Butyl Alcohol-d9	2.637	65	96499	500.00	ug/L	0.00
5) pentafluorobenzene	3.653	168	166114	50.00	ug/L	0.00
51) 1,4-difluorobenzene	4.115	114	295056	50.00	ug/L	0.00
72) chlorobenzene-d5	5.995	117	253103	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	7.577	152	137860	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.653	168	166114	50.00	ug/L	0.00
129) 1,4-dichlorobenzene-d4(a)	7.577	152	137860	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	3.665	113	91070	52.60	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 105.20%			
52) 1,2-dichloroethane-d4 (s)	3.866	65	100825	50.53	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 101.06%			
73) toluene-d8 (s)	5.022	98	317866	53.12	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 106.24%			
97) 4-bromofluorobenzene (s)	6.810	95	120955	50.44	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.88%			
Target Compounds						Qvalue
22) carbon disulfide	2.534	76	999	0.2427	ug/L	76
23) methylene chloride	2.667	84	337	0.2264	ug/L #	52
42) chloroform	3.574	83	598	0.2212	ug/L	83

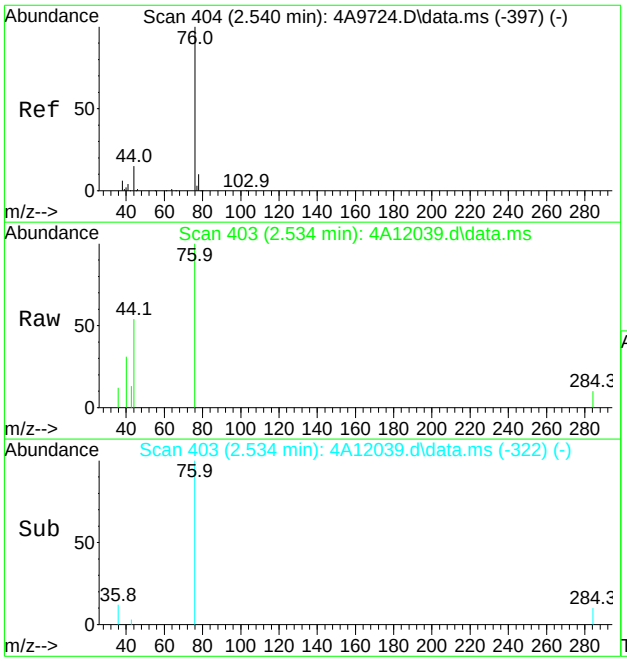
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\112624\v4a342\
Data File : 4A12039.d
Acq On : 25 Nov 2024 11:42 am
Operator : edwardd
Sample : mb Inst : GCMS4A5A
Misc : MS46075,V4A342,5,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 25 23:33:32 2024
Quant Method : C:\msdchem\1\methods\M4a284.M
Quant Title : SW846 Method V8260C/D and EPA 624.1, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 11 12:25:52 2024
Response via : Initial Calibration

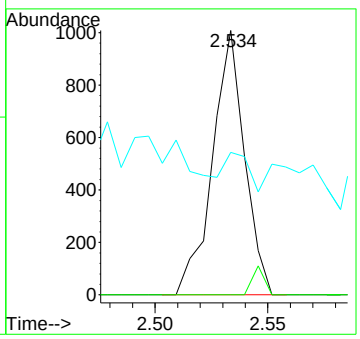


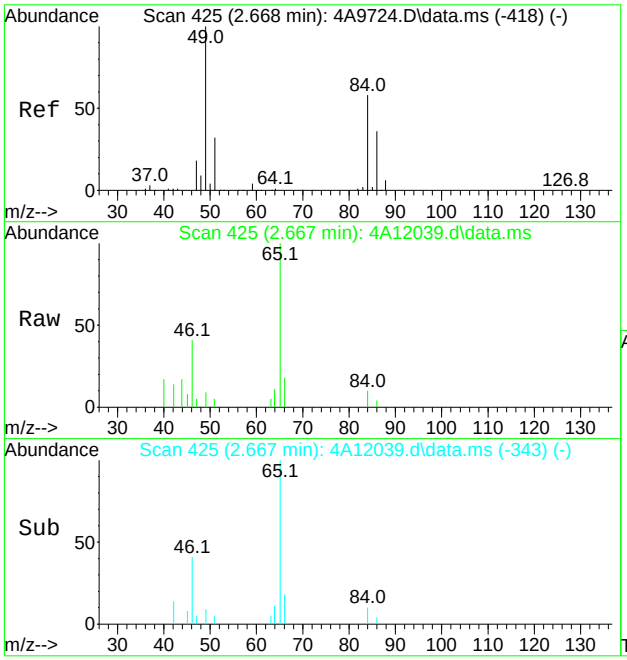


#22
carbon disulfide
Concen: 0.2427 ug/L
RT: 2.534 min Scan# 403
Delta R.T. -0.006 min
Lab File: 4A12039.d
Acq: 25 Nov 2024 11:42 am

Tgt Ion: 76 Resp: 999

Ion	Ratio	Lower	Upper
76	100		
78	0.0	0.0	39.6
44	5.5	0.0	45.1

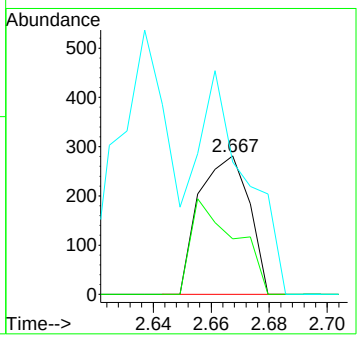


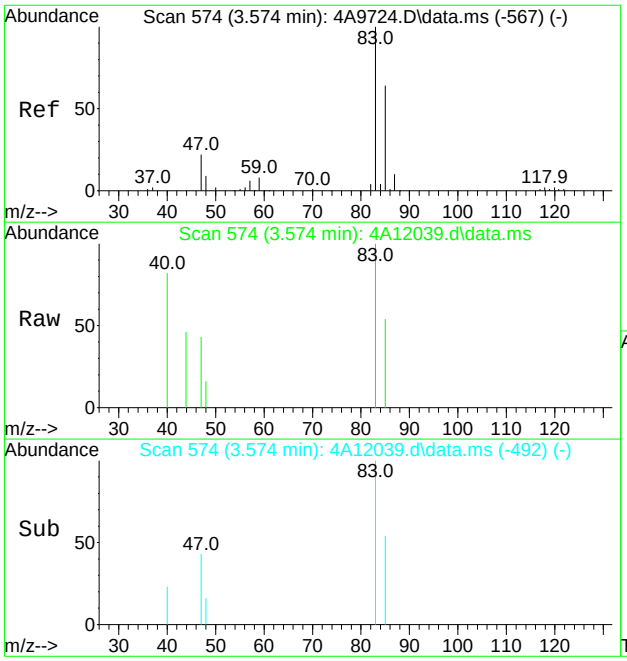


#23
methylene chloride
Concen: 0.2264 ug/L
RT: 2.667 min Scan# 425
Delta R.T. -0.001 min
Lab File: 4A12039.d
Acq: 25 Nov 2024 11:42 am

Tgt Ion: 84 Resp: 337

Ion	Ratio	Lower	Upper
84	100		
86	40.2	32.3	92.3
49	95.7	141.7	201.7#

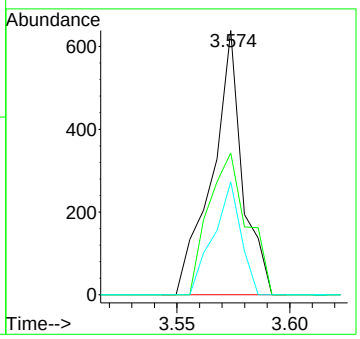




#42
chloroform
Concen: 0.2212 ug/L
RT: 3.574 min Scan# 574
Delta R.T. -0.000 min
Lab File: 4A12039.d
Acq: 25 Nov 2024 11:42 am

Tgt Ion: 83 Resp: 598

Ion	Ratio	Lower	Upper
83	100		
85	53.7	33.6	93.6
47	42.7	0.0	58.1



7.2.1

7

LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\kristelv\112624\v4a342\
Data File : 4A12039.d
Acq On : 25 Nov 2024 11:42 am
Operator : edwardd
Sample : mb
Misc : MS46075,V4A342,5,,,,1
ALS Vial : 13 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 300 Area counts
Start Thrs: 0.3 Max Peaks: 100
Stop Thrs : 0.3 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M4a284.M
Title : SW846 Method V8260C/D and EPA 624.1, column ZB-624 60m x 0.25mm x 1.4 um

Signal : TIC: 4A12039.d\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	0.137	6	9	13	rVB2	443	664	0.08%	0.013%
2	0.173	13	15	19	rVV	663	722	0.08%	0.014%
3	0.252	27	28	33	rVV2	504	767	0.09%	0.015%
4	0.471	63	64	69	rVV2	454	681	0.08%	0.013%
5	0.520	69	72	75	rVV2	715	588	0.07%	0.012%
6	0.617	82	88	92	rBV2	500	726	0.09%	0.014%
7	0.812	114	120	121	rBV2	347	620	0.07%	0.012%
8	1.238	184	190	204	rBV2	109860	200572	23.54%	3.936%
9	1.524	226	237	238	rBV4	3398	6276	0.74%	0.123%
10	1.706	265	267	270	rBV3	1024	1305	0.15%	0.026%
11	1.743	270	273	274	rVV3	1254	1390	0.16%	0.027%
12	2.150	337	340	342	rBV2	504	606	0.07%	0.012%
13	2.357	370	374	376	rBV2	662	702	0.08%	0.014%
14	2.394	376	380	383	rBV2	866	663	0.08%	0.013%
15	2.448	385	389	391	rVB2	553	678	0.08%	0.013%
16	2.479	391	394	398	rBV3	699	1124	0.13%	0.022%
17	2.534	398	403	411	rVB3	1445	2434	0.29%	0.048%
18	2.637	411	420	432	rBV	122814	184476	21.65%	3.620%
19	2.868	456	458	463	rVB	592	845	0.10%	0.017%
20	2.941	466	470	472	rBV2	890	982	0.12%	0.019%
21	2.966	472	474	483	rVB2	786	1346	0.16%	0.026%
22	3.154	502	505	510	rBV2	413	784	0.09%	0.015%
23	3.270	517	524	529	rVB3	841	1710	0.20%	0.034%
24	3.343	530	536	539	rBV2	1151	1491	0.18%	0.029%
25	3.543	565	569	570	rBV2	881	781	0.09%	0.015%
26	3.574	571	574	577	rVB2	1524	1701	0.20%	0.033%
27	3.659	581	588	605	rVV2	479004	714339	83.85%	14.018%
28	3.769	605	606	610	rVB2	618	566	0.07%	0.011%
29	3.866	613	622	632	rBV	224655	289031	33.93%	5.672%
30	3.951	634	636	643	rVB3	573	859	0.10%	0.017%
31	4.115	656	663	673	rBV	508484	646793	75.92%	12.692%
32	4.304	691	694	700	rVB4	1543	2404	0.28%	0.047%
33	4.371	700	705	708	rVV2	507	940	0.11%	0.018%
34	4.426	710	714	717	rVB2	681	1006	0.12%	0.020%
35	4.517	727	729	734	rVB2	539	869	0.10%	0.017%
36	4.572	734	738	741	rBV2	648	861	0.10%	0.017%
37	4.718	758	762	767	rVB2	510	841	0.10%	0.017%
38	5.022	801	812	828	rBV	629520	851935	100.00%	16.718%
39	5.229	838	846	849	rVB3	423	879	0.10%	0.017%
40	5.697	918	923	927	rBV2	437	739	0.09%	0.015%

LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\kristelv\112624\v4a342\
Data File : 4A12039.d
Acq On : 25 Nov 2024 11:42 am
Operator : edwardd
Sample : mb
Misc : MS46075,V4A342,5,,,,1
ALS Vial : 13 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 300 Area counts
Start Thrs: 0.3 Max Peaks: 100
Stop Thrs : 0.3 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M4a284.M
Title : SW846 Method V8260C/D and EPA 624.1, column ZB-624 60m x 0.25mm x 1.4 um

41	5.995	966	972	985	rBV	549483	749169	87.94%	14.701%
42	6.135	992	995	998	rBV	597	761	0.09%	0.015%
43	6.403	1035	1039	1043	rBV	737	919	0.11%	0.018%
44	6.482	1043	1052	1054	rBV	356	834	0.10%	0.016%
45	6.512	1054	1057	1062	rVB2	476	686	0.08%	0.013%
46	6.585	1066	1069	1076	rVB2	546	554	0.07%	0.011%
47	6.737	1090	1094	1097	rBV2	656	768	0.09%	0.015%
48	6.810	1097	1106	1122	rBV	455906	585041	68.67%	11.480%
49	6.926	1122	1125	1127	rVB2	613	569	0.07%	0.011%
50	6.975	1130	1133	1138	rVB2	479	766	0.09%	0.015%
51	7.096	1149	1153	1157	rVB2	715	1099	0.13%	0.022%
52	7.151	1159	1162	1165	rVB2	636	735	0.09%	0.014%
53	7.188	1165	1168	1172	rBV2	484	839	0.10%	0.016%
54	7.248	1175	1178	1181	rVB2	707	790	0.09%	0.016%
55	7.437	1205	1209	1211	rBV3	393	605	0.07%	0.012%
56	7.577	1222	1232	1251	rBV	649555	789046	92.62%	15.484%
57	7.790	1265	1267	1272	rVB2	429	599	0.07%	0.012%
58	7.851	1272	1277	1284	rBV2	983	1978	0.23%	0.039%
59	8.161	1321	1328	1329	rBV2	375	700	0.08%	0.014%
60	8.465	1376	1378	1384	rVB2	840	768	0.09%	0.015%
61	8.569	1393	1395	1401	rBV3	502	569	0.07%	0.011%
62	8.666	1407	1411	1414	rBV2	557	902	0.11%	0.018%
63	8.751	1423	1425	1428	rVB3	565	679	0.08%	0.013%
64	8.781	1428	1430	1432	rBV2	814	669	0.08%	0.013%
65	8.836	1436	1439	1441	rBV2	597	659	0.08%	0.013%
66	8.879	1445	1446	1452	rVB2	1261	950	0.11%	0.019%
67	8.940	1454	1456	1460	rVB2	715	652	0.08%	0.013%
68	9.013	1463	1468	1470	rBV3	614	707	0.08%	0.014%
69	9.031	1470	1471	1477	rVB2	565	653	0.08%	0.013%
70	9.122	1482	1486	1488	rVB3	854	778	0.09%	0.015%
71	9.219	1499	1502	1504	rBV2	648	638	0.07%	0.013%
72	9.323	1516	1519	1522	rBV2	640	1126	0.13%	0.022%
73	9.372	1525	1527	1531	rVV2	522	801	0.09%	0.016%
74	9.420	1533	1535	1537	rVB2	746	680	0.08%	0.013%
75	9.451	1537	1540	1545	rBV3	802	1491	0.18%	0.029%
76	9.511	1548	1550	1552	rBV	880	615	0.07%	0.012%
77	9.645	1567	1572	1573	rVB3	549	743	0.09%	0.015%
78	9.785	1594	1595	1600	rVB3	593	905	0.11%	0.018%
79	9.840	1603	1604	1609	rVB2	864	834	0.10%	0.016%
80	9.876	1609	1610	1613	rBV	514	641	0.08%	0.013%
81	9.943	1618	1621	1627	rVB2	549	1021	0.12%	0.020%
82	10.047	1635	1638	1641	rBV2	741	917	0.11%	0.018%
83	10.162	1654	1657	1659	rVV2	764	866	0.10%	0.017%
84	10.211	1662	1665	1671	rVB2	747	1237	0.15%	0.024%
85	10.339	1683	1686	1690	rBV4	460	633	0.07%	0.012%

LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\kristelv\112624\v4a342\
Data File : 4A12039.d
Acq On : 25 Nov 2024 11:42 am
Operator : edwardd
Sample : mb
Misc : MS46075,V4A342,5,,,,1
ALS Vial : 13 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 300 Area counts
Start Thrs: 0.3 Max Peaks: 100
Stop Thrs : 0.3 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M4a284.M
Title : SW846 Method V8260C/D and EPA 624.1, column ZB-624 60m x 0.25mm x 1.4 um

86	10.406	1694	1697	1700	rBV2	672	690	0.08%	0.014%
87	10.430	1700	1701	1705	rVB2	532	619	0.07%	0.012%
88	10.704	1743	1746	1747	rVB2	612	551	0.06%	0.011%
89	10.722	1747	1749	1753	rBV2	642	685	0.08%	0.013%
90	10.783	1756	1759	1763	rBV2	711	937	0.11%	0.018%
91	10.856	1767	1771	1773	rVB3	607	863	0.10%	0.017%
92	10.886	1773	1776	1780	rBV4	736	1026	0.12%	0.020%
93	11.026	1796	1799	1802	rVB2	473	630	0.07%	0.012%
94	11.172	1821	1823	1827	rVB3	1019	1184	0.14%	0.023%
95	11.294	1839	1843	1844	rBV3	509	608	0.07%	0.012%
96	11.367	1853	1855	1861	rVB3	699	798	0.09%	0.016%
97	11.458	1869	1870	1874	rBV2	818	1013	0.12%	0.020%
98	11.501	1876	1877	1880	rBV	1081	749	0.09%	0.015%
99	11.556	1885	1886	1890	rBV2	598	678	0.08%	0.013%
100	11.665	1903	1904	1908	rBV2	906	674	0.08%	0.013%

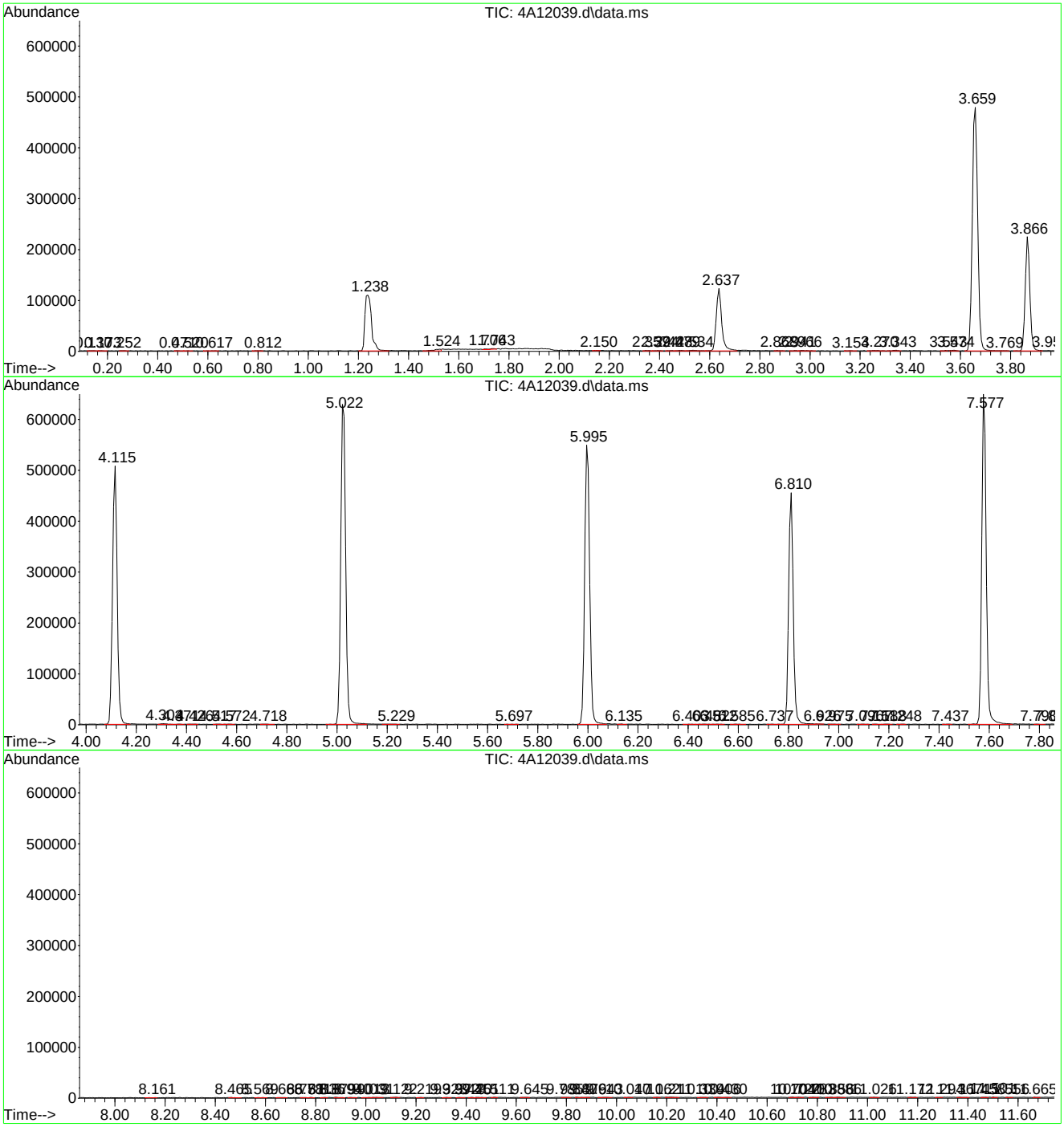
Sum of corrected areas: 5095993

LSC Report - Integrated Chromatogram

Data Path : X:\Dayton VOA GCMS\kristelv\112624\v4a342\
Data File : 4A12039.d
Acq On : 25 Nov 2024 11:42 am
Operator : edwardd
Sample : mb
Misc : MS46075,V4A342,5,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M4a284.M
Quant Title : SW846 Method V8260C/D and EPA 624.1, column ZB-624 60m x 0.25mm x 1.4 um

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: lscint.p



Library Search Compound Report

Data Path : X:\Dayton VOA GCMS\kristelv\112624\v4a342\
Data File : 4A12039.d
Acq On : 25 Nov 2024 11:42 am
Operator : edwardd
Sample : mb
Misc : MS46075,V4A342,5,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M4a284.M
Quant Title : SW846 Method V8260C/D and EPA 624.1, column ZB-624 60m x 0.25mm x 1.4 um

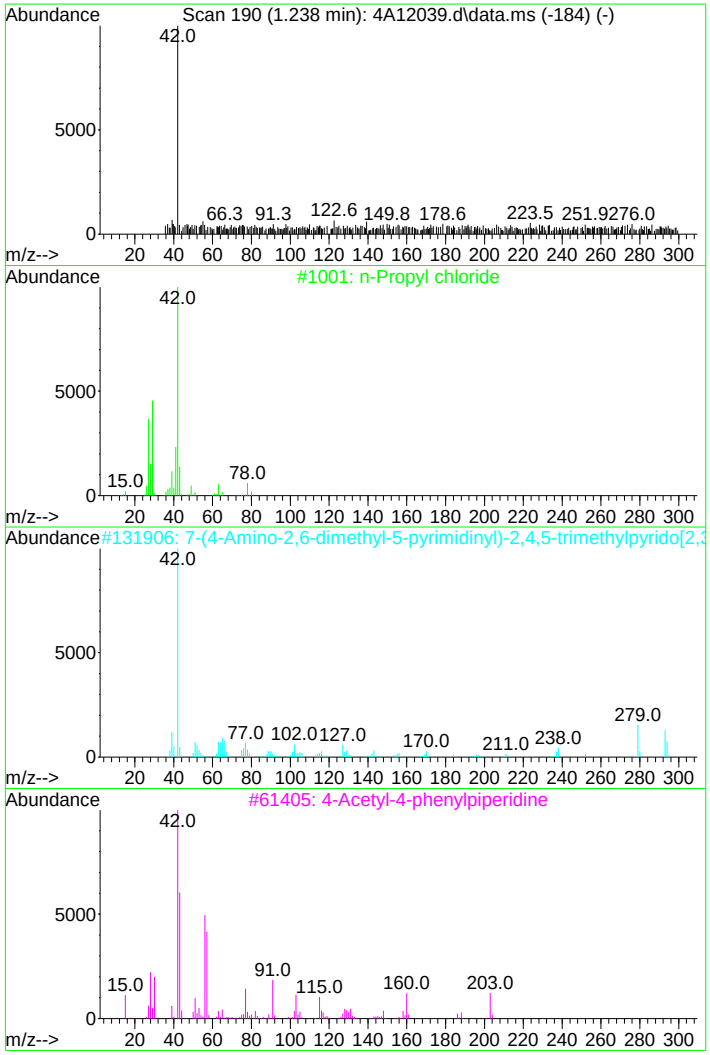
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: lscint.p

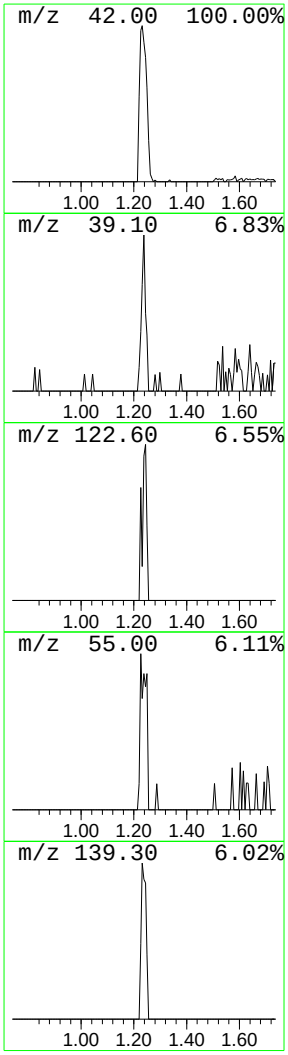
****

Peak Number 1 system artifact Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.238	14.04 ug/L	200572	pentafluorobenzene	3.653

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Propyl chloride	78	C3H7Cl	000540-54-5	46
2	7-(4-Amino-2,6-dimethyl-5-pyrimi...	294	C16H18N6	296796-49-1	46
3	4-Acetyl-4-phenylpiperidine	203	C13H17NO	034798-80-6	43
4	N-Methyl-1-[4-chlorophenyl]-2-[4...	267	C15H22ClNO	058158-39-7	43
5	n-Propyl chloride	78	C3H7Cl	000540-54-5	43





Tentatively Identified Compound (LSC) summary

Data Path : X:\Dayton VOA GCMS\kristelv\112624\v4a342\
Data File : 4A12039.d
Acq On : 25 Nov 2024 11:42 am
Operator : edwardd
Sample : mb
Misc : MS46075,V4A342,5,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M4a284.M
Quant Title : SW846 Method V8260C/D and EPA 624.1, column ZB-624 60m x 0.25mm x 1.4 um

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: lscint.p

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
system artifact	1.238	14.0	ug/L	200572	2	3.653	714339	50.0

MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (DFTPP)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59781-MB1	F223232.D	1	12/02/24	KH	11/27/24	OP59781	EF9918

The QC reported here applies to the following samples: **Method:** SW846 8270E

JE1300-51

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol	ND	5.0	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.89	ug/l	
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	
105-60-2	Caprolactam	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	

Method Blank Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59781-MB1	F223232.D	1	12/02/24	KH	11/27/24	OP59781	EF9918

The QC reported here applies to the following samples: **Method:** SW846 8270E

JE1300-51

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.51	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.66	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.50	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	ND	1.0	0.23	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

Method Blank Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59781-MB1	F223232.D	1	12/02/24	KH	11/27/24	OP59781	EF9918

The QC reported here applies to the following samples: **Method:** SW846 8270E

JE1300-51

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	41%	10-71%
4165-62-2	Phenol-d5	27%	10-58%
118-79-6	2,4,6-Tribromophenol	86%	22-144%
4165-60-0	Nitrobenzene-d5	81%	28-118%
321-60-8	2-Fluorobiphenyl	78%	34-116%
1718-51-0	Terphenyl-d14	81%	10-127%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact	2.50	7.8	ug/l	J
	System artifact	3.53	6.1	ug/l	J
	System artifact	3.98	4.4	ug/l	J
	System artifact	4.07	51	ug/l	J
	System artifact	4.16	17	ug/l	J
	System artifact	4.23	4.4	ug/l	J
	System artifact	4.27	43	ug/l	J
	Internal standard added for SIM te	4.80	4.8	ug/l	J
	Internal standard added for SIM te	6.15	4.9	ug/l	J
	Internal standard added for SIM te	7.46	5.2	ug/l	J
	Internal standard added for SIM te	10.17	5	ug/l	J
	Internal standard added for SIM test	14.35	4.3	ug/l	J
	Total TIC, Semi-Volatile		0	ug/l	

Method Blank Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59834-MB1	P163374.D	1	12/04/24	AO	12/04/24	OP59834	EP7624

The QC reported here applies to the following samples: **Method:** SW846 8270E

JE1300-24, JE1300-26, JE1300-28, JE1300-30, JE1300-33, JE1300-35, JE1300-37, JE1300-39, JE1300-41, JE1300-43, JE1300-23A, JE1300-25A, JE1300-27A, JE1300-36A

CAS No.	Compound	Result	RL	MDL	Units	Q
50-32-8	Benzo(a)pyrene	ND	33	15	ug/kg	

CAS No.	Surrogate Recoveries		Limits
4165-60-0	Nitrobenzene-d5	86%	10-109%
321-60-8	2-Fluorobiphenyl	79%	11-109%
1718-51-0	Terphenyl-d14	82%	10-120%

Method Blank Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59832-MB1	P163376.D	1	12/04/24	AO	12/04/24	OP59832	EP7624

The QC reported here applies to the following samples: **Method:** SW846 8270E

JE1300-1, JE1300-3, JE1300-5, JE1300-7, JE1300-10, JE1300-12, JE1300-14, JE1300-16, JE1300-18, JE1300-20, JE1300-22

CAS No.	Compound	Result	RL	MDL	Units	Q
56-55-3	Benzo(a)anthracene	ND	33	9.4	ug/kg	
50-32-8	Benzo(a)pyrene	ND	33	15	ug/kg	

CAS No.	Surrogate Recoveries		Limits
4165-60-0	Nitrobenzene-d5	94%	10-109%
321-60-8	2-Fluorobiphenyl	84%	11-109%
1718-51-0	Terphenyl-d14	91%	10-120%

Method Blank Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59835-MB1	6P519292.D	1	12/04/24	AO	12/04/24	OP59835	E6P4327

The QC reported here applies to the following samples: **Method:** SW846 8270E

JE1300-45, JE1300-47, JE1300-49, JE1300-48A

CAS No.	Compound	Result	RL	MDL	Units	Q
50-32-8	Benzo(a)pyrene	ND	33	15	ug/kg	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	45%	10-99%
4165-62-2	Phenol-d5	47%	10-96%
118-79-6	2,4,6-Tribromophenol	83%	10-123%
4165-60-0	Nitrobenzene-d5	51%	10-109%
321-60-8	2-Fluorobiphenyl	61%	11-109%
1718-51-0	Terphenyl-d14	80%	10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/kg	

Blank Spike Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59834-BS1	P163375.D	1	12/04/24	AO	12/04/24	OP59834	EP7624

The QC reported here applies to the following samples: **Method:** SW846 8270E

JE1300-24, JE1300-26, JE1300-28, JE1300-30, JE1300-33, JE1300-35, JE1300-37, JE1300-39, JE1300-41, JE1300-43, JE1300-23A, JE1300-25A, JE1300-27A, JE1300-36A

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
50-32-8	Benzo(a)pyrene	1670	1290	77	13-141

CAS No.	Surrogate Recoveries	BSP	Limits
4165-60-0	Nitrobenzene-d5	76%	10-109%
321-60-8	2-Fluorobiphenyl	71%	11-109%
1718-51-0	Terphenyl-d14	76%	10-120%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59832-BS1	P163377.D	1	12/04/24	AO	12/04/24	OP59832	EP7624

The QC reported here applies to the following samples: **Method:** SW846 8270E

JE1300-1, JE1300-3, JE1300-5, JE1300-7, JE1300-10, JE1300-12, JE1300-14, JE1300-16, JE1300-18, JE1300-20, JE1300-22

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
56-55-3	Benzo(a)anthracene	1670	1010	61	11-139
50-32-8	Benzo(a)pyrene	1670	1100	66	13-141

CAS No.	Surrogate Recoveries	BSP	Limits
4165-60-0	Nitrobenzene-d5	69%	10-109%
321-60-8	2-Fluorobiphenyl	63%	11-109%
1718-51-0	Terphenyl-d14	66%	10-120%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59835-BS1	6P519293.D	1	12/04/24	AO	12/04/24	OP59835	E6P4327

The QC reported here applies to the following samples: **Method:** SW846 8270E

JE1300-45, JE1300-47, JE1300-49, JE1300-48A

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
50-32-8	Benzo(a)pyrene	1670	1330	80	13-141

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	44%	10-99%
4165-62-2	Phenol-d5	48%	10-96%
118-79-6	2,4,6-Tribromophenol	90%	10-123%
4165-60-0	Nitrobenzene-d5	54%	10-109%
321-60-8	2-Fluorobiphenyl	68%	11-109%
1718-51-0	Terphenyl-d14	80%	10-120%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59781-BS1	F223233.D	1	12/02/24	KH	11/27/24	OP59781	EF9918
OP59781-BSD	F223234.D	1	12/02/24	KH	11/27/24	OP59781	EF9918

The QC reported here applies to the following samples: **Method:** SW846 8270E

JE1300-51

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	50	31.7	63	32.0	64	1	17-111/59
59-50-7	4-Chloro-3-methyl phenol	50	38.7	77	39.4	79	2	30-118/47
120-83-2	2,4-Dichlorophenol	50	37.7	75	39.1	78	4	30-119/50
105-67-9	2,4-Dimethylphenol	50	33.0	66	34.8	70	5	20-114/49
51-28-5	2,4-Dinitrophenol	100	117	117	115	115	2	11-141/72
534-52-1	4,6-Dinitro-o-cresol	50	59.5	119	57.8	116	3	30-142/51
95-48-7	2-Methylphenol	50	28.7	57	29.9	60	4	10-110/56
	3&4-Methylphenol	100	52.9	53	56.7	57	7	10-164/59
88-75-5	2-Nitrophenol	50	44.4	89	45.0	90	1	33-123/49
100-02-7	4-Nitrophenol	50	22.0	44	23.2	46	5	10-84/61
87-86-5	Pentachlorophenol	100	93.4	93	91.4	91	2	10-171/41
108-95-2	Phenol	50	15.8	32	17.9	36	12	10-85/57
58-90-2	2,3,4,6-Tetrachlorophenol	50	46.9	94	44.5	89	5	36-130/44
95-95-4	2,4,5-Trichlorophenol	50	41.7	83	41.6	83	0	38-124/44
88-06-2	2,4,6-Trichlorophenol	50	42.9	86	42.8	86	0	37-122/46
83-32-9	Acenaphthene	50	38.1	76	38.6	77	1	52-115/30
208-96-8	Acenaphthylene	50	41.1	82	41.8	84	2	30-114/31
98-86-2	Acetophenone	50	34.6	69	34.9	70	1	40-115/39
120-12-7	Anthracene	50	35.6	71	35.8	72	1	55-122/29
1912-24-9	Atrazine	50	46.1	92	45.5	91	1	54-140/33
100-52-7	Benzaldehyde	50	28.3	57	27.0	54	5	35-121/35
56-55-3	Benzo(a)anthracene	50	28.4	57	28.3	57	0	55-122/29
50-32-8	Benzo(a)pyrene	50	28.6	57	28.7	57	0	50-123/30
205-99-2	Benzo(b)fluoranthene	50	29.4	59	29.8	60	1	57-124/28
191-24-2	Benzo(g,h,i)perylene	50	30.2	60	30.1	60	0	55-125/30
207-08-9	Benzo(k)fluoranthene	50	28.0	56	28.4	57	1	53-124/28
101-55-3	4-Bromophenyl phenyl ether	50	40.2	80	39.5	79	2	55-124/29
85-68-7	Butyl benzyl phthalate	50	43.7	87	42.5	85	3	54-134/29
92-52-4	1,1'-Biphenyl	50	36.2	72	37.7	75	4	46-115/32
91-58-7	2-Chloronaphthalene	50	36.5	73	37.9	76	4	44-113/32
106-47-8	4-Chloroaniline	50	22.8	46	20.2	40	12	10-100/92
86-74-8	Carbazole	50	45.7	91	43.7	87	4	56-123/29
105-60-2	Caprolactam	50	11.3	23	11.4	23	1	10-85/35
218-01-9	Chrysene	50	26.4	53* [a]	26.6	53* [a]	1	54-122/29
111-91-1	bis(2-Chloroethoxy)methane	50	36.2	72	37.3	75	3	39-116/36
111-44-4	bis(2-Chloroethyl)ether	50	34.9	70	34.9	70	0	31-118/45

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59781-BS1	F223233.D	1	12/02/24	KH	11/27/24	OP59781	EF9918
OP59781-BSD	F223234.D	1	12/02/24	KH	11/27/24	OP59781	EF9918

The QC reported here applies to the following samples: **Method:** SW846 8270E

JE1300-51

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
108-60-1	2,2'-Oxybis(1-chloropropane)	50	35.9	72	34.5	69	4	34-117/43
7005-72-3	4-Chlorophenyl phenyl ether	50	37.4	75	36.9	74	1	53-119/28
121-14-2	2,4-Dinitrotoluene	50	50.5	101	49.6	99	2	58-129/29
606-20-2	2,6-Dinitrotoluene	50	49.2	98	49.2	98	0	56-128/30
91-94-1	3,3'-Dichlorobenzidine	50	33.9	68	31.2	62	8	23-122/44
123-91-1	1,4-Dioxane	50	15.8	32	15.7	31	1	10-88/49
53-70-3	Dibenzo(a,h)anthracene	50	29.4	59	30.1	60	2	55-127/29
132-64-9	Dibenzofuran	50	40.0	80	39.8	80	1	53-116/29
84-74-2	Di-n-butyl phthalate	50	45.5	91	44.5	89	2	57-129/30
117-84-0	Di-n-octyl phthalate	50	31.1	62	31.2	62	0	45-139/28
84-66-2	Diethyl phthalate	50	44.3	89	43.1	86	3	53-123/30
131-11-3	Dimethyl phthalate	50	43.4	87	42.3	85	3	50-122/35
117-81-7	bis(2-Ethylhexyl)phthalate	50	30.3	61	29.9	60	1	49-137/30
206-44-0	Fluoranthene	50	36.2	72	36.3	73	0	58-125/30
86-73-7	Fluorene	50	41.2	82	40.5	81	2	56-119/28
118-74-1	Hexachlorobenzene	50	27.4	55	28.5	57	4	53-125/29
87-68-3	Hexachlorobutadiene	50	26.1	52	27.4	55	5	21-109/47
77-47-4	Hexachlorocyclopentadiene	100	57.6	58	58.9	59	2	10-96/52
67-72-1	Hexachloroethane	50	26.7	53	29.0	58	8	19-105/40
193-39-5	Indeno(1,2,3-cd)pyrene	50	29.6	59	29.0	58	2	50-132/30
78-59-1	Isophorone	50	37.1	74	37.8	76	2	41-117/33
91-57-6	2-Methylnaphthalene	50	35.4	71	37.6	75	6	41-112/35
88-74-4	2-Nitroaniline	50	45.1	90	45.6	91	1	48-128/31
99-09-2	3-Nitroaniline	50	36.6	73	34.6	69	6	30-115/51
100-01-6	4-Nitroaniline	50	40.9	82	39.7	79	3	43-121/34
91-20-3	Naphthalene	50	35.0	70	36.2	72	3	37-112/39
98-95-3	Nitrobenzene	50	37.0	74	37.8	76	2	35-119/39
621-64-7	N-Nitroso-di-n-propylamine	50	35.6	71	36.4	73	2	34-121/36
86-30-6	N-Nitrosodiphenylamine	50	43.4	87	43.2	86	0	52-121/29
85-01-8	Phenanthrene	50	38.9	78	38.3	77	2	56-121/28
129-00-0	Pyrene	50	33.9	68	33.7	67	1	55-125/29
95-94-3	1,2,4,5-Tetrachlorobenzene	50	32.3	65	33.5	67	4	40-110/35

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59781-BS1	F223233.D	1	12/02/24	KH	11/27/24	OP59781	EF9918
OP59781-BSD	F223234.D	1	12/02/24	KH	11/27/24	OP59781	EF9918

The QC reported here applies to the following samples: **Method:** SW846 8270E

JE1300-51

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
367-12-4	2-Fluorophenol	42%	44%	10-71%
4165-62-2	Phenol-d5	31%	33%	10-58%
118-79-6	2,4,6-Tribromophenol	101%	94%	22-144%
4165-60-0	Nitrobenzene-d5	82%	81%	28-118%
321-60-8	2-Fluorobiphenyl	79%	79%	34-116%
1718-51-0	Terphenyl-d14	83%	78%	10-127%

(a) Outside control limits marginally low

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59834-MS	P163378.D	1	12/04/24	AO	12/04/24	OP59834	EP7624
OP59834-MSD	P163379.D	1	12/04/24	AO	12/04/24	OP59834	EP7624
JE1300-23A	4P694250.D	1	12/10/24	KH	12/04/24	OP59834	E4P3706

The QC reported here applies to the following samples: **Method:** SW846 8270E

JE1300-24, JE1300-26, JE1300-28, JE1300-30, JE1300-33, JE1300-35, JE1300-37, JE1300-39, JE1300-41, JE1300-43, JE1300-23A, JE1300-25A, JE1300-27A, JE1300-36A

CAS No.	Compound	JE1300-23A ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
50-32-8	Benzo(a)pyrene	251		1750	1490	71	1800	1390	63	7	10-163/89

CAS No.	Surrogate Recoveries	MS	MSD	JE1300-23A	Limits
4165-60-0	Nitrobenzene-d5	64%	62%	51%	10-109%
321-60-8	2-Fluorobiphenyl	65%	59%	55%	11-109%
1718-51-0	Terphenyl-d14	66%	62%	51%	10-120%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59832-MS	P163391.D	1	12/05/24	AO	12/04/24	OP59832	EP7624
OP59832-MSD	P163392.D	1	12/05/24	AO	12/04/24	OP59832	EP7624
JE1300-1	P163393.D	1	12/05/24	AO	12/04/24	OP59832	EP7624

The QC reported here applies to the following samples: **Method:** SW846 8270E

JE1300-1, JE1300-3, JE1300-5, JE1300-7, JE1300-10, JE1300-12, JE1300-14, JE1300-16, JE1300-18, JE1300-20, JE1300-22

CAS No.	Compound	JE1300-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
56-55-3	Benzo(a)anthracene	ND		1720	920	53	1740	1120	64	20	10-163/88
50-32-8	Benzo(a)pyrene	ND		1720	994	58	1740	1230	71	21	10-163/89

CAS No.	Surrogate Recoveries	MS	MSD	JE1300-1	Limits
4165-60-0	Nitrobenzene-d5	59%	74%	68%	10-109%
321-60-8	2-Fluorobiphenyl	57%	68%	70%	11-109%
1718-51-0	Terphenyl-d14	56%	67%	68%	10-120%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59835-MS	6P519294.D	1	12/04/24	AO	12/04/24	OP59835	E6P4327
OP59835-MSD	6P519295.D	1	12/04/24	AO	12/04/24	OP59835	E6P4327
JE1300-45	6P519296.D	1	12/04/24	AO	12/04/24	OP59835	E6P4327

The QC reported here applies to the following samples: **Method:** SW846 8270E

JE1300-45, JE1300-47, JE1300-49, JE1300-48A

CAS No.	Compound	JE1300-45 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
50-32-8	Benzo(a)pyrene	283		1770	1620	76	1800	1620	74	0	10-163/89

CAS No.	Surrogate Recoveries	MS	MSD	JE1300-45	Limits
367-12-4	2-Fluorophenol	47%	43%		10-99%
4165-62-2	Phenol-d5	50%	47%		10-96%
118-79-6	2,4,6-Tribromophenol	79%	76%		10-123%
4165-60-0	Nitrobenzene-d5	59%	54%	51%	10-109%
321-60-8	2-Fluorobiphenyl	68%	66%	57%	11-109%
1718-51-0	Terphenyl-d14	73%	68%	57%	10-120%

* = Outside of Control Limits.

Instrument Performance Check (DFTPP)

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: E4P3698-DFTPP
Lab File ID: 4P693994.D
Instrument ID: GCMS4P
Injection Date: 11/27/24
Injection Time: 13:51

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	37234	41.7		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	32676	36.6		Pass
70	Less than 2.0% of mass 69	259	0.29	(0.79) [a]	Pass
127	40.0 - 60.0% of mass 198	39387	44.1		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	89371	100.0		Pass
199	5.0 - 9.0% of mass 198	6152	6.88		Pass
275	10.0 - 30.0% of mass 198	20915	23.4		Pass
365	1.0 - 100.0% of mass 198	2270	2.54		Pass
441	Present, but less than mass 443	6453	7.22	(78.4) [b]	Pass
442	40.0 - 100.0% of mass 198	40960	45.8		Pass
443	17.0 - 23.0% of mass 442	8226	9.20	(20.1) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E4P3698-ICC3698	4P693995.D	11/27/24	14:14	00:23	Initial cal 50
E4P3698-IC3698	4P693996.D	11/27/24	14:37	00:46	Initial cal 1
E4P3698-IC3698	4P693997.D	11/27/24	15:00	01:09	Initial cal 2
E4P3698-IC3698	4P693998.D	11/27/24	15:22	01:31	Initial cal 5
E4P3698-IC3698	4P693999.D	11/27/24	15:46	01:55	Initial cal 10
E4P3698-IC3698	4P694000.D	11/27/24	16:08	02:17	Initial cal 25
E4P3698-IC3698	4P694001.D	11/27/24	16:31	02:40	Initial cal 80
E4P3698-IC3698	4P694002.D	11/27/24	16:54	03:03	Initial cal 100
E4P3698-IC3698	4P694003.D	11/27/24	17:17	03:26	Initial cal 1
E4P3698-IC3698	4P694004.D	11/27/24	17:39	03:48	Initial cal 2
E4P3698-IC3698	4P694005.D	11/27/24	18:02	04:11	Initial cal 5
E4P3698-IC3698	4P694006.D	11/27/24	18:25	04:34	Initial cal 10
E4P3698-IC3698	4P694007.D	11/27/24	18:48	04:57	Initial cal 25
E4P3698-IC3698	4P694008.D	11/27/24	19:11	05:20	Initial cal 50
E4P3698-IC3698	4P694009.D	11/27/24	19:34	05:43	Initial cal 80
E4P3698-IC3698	4P694010.D	11/27/24	19:56	06:05	Initial cal 100
E4P3698-ICV3698	4P694011.D	11/27/24	20:19	06:28	Initial cal verification 50
E4P3698-ICV3698	4P694012.D	11/27/24	20:42	06:51	Initial cal verification 50
E4P3698-ICV3698	4P694013.D	11/27/24	21:05	07:14	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	E4P3698-DFTPP	**Injection Date:**	11/27/24
Lab File ID:	4P693994.D	**Injection Time:**	13:51
Instrument ID:	GCMS4P		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E4P3698-ICV3698	4P694014.D	11/27/24	21:28	07:37	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	E6P4255-DFTPP	**Injection Date:**	09/12/24
Lab File ID:	6P517478.D	**Injection Time:**	15:52
Instrument ID:	GCMS6P		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	58326	52.7		Pass
68	Less than 2.0% of mass 69	913	0.82	(1.65) [a]	Pass
69	Mass 69 relative abundance	55397	50.0		Pass
70	Less than 2.0% of mass 69	444	0.40	(0.80) [a]	Pass
127	40.0 - 60.0% of mass 198	60701	54.8		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	110685	100.0		Pass
199	5.0 - 9.0% of mass 198	7319	6.61		Pass
275	10.0 - 30.0% of mass 198	31316	28.3		Pass
365	1.0 - 100.0% of mass 198	5158	4.66		Pass
441	Present, but less than mass 443	16124	14.6	(90.5) [b]	Pass
442	40.0 - 100.0% of mass 198	98573	89.1		Pass
443	17.0 - 23.0% of mass 442	17824	16.1	(18.1) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E6P4255-IC4255	6P517487.D	09/12/24	18:39	02:47	Initial cal 1
E6P4255-IC4255	6P517488.D	09/12/24	18:59	03:07	Initial cal 2
E6P4255-IC4255	6P517489.D	09/12/24	19:19	03:27	Initial cal 5
E6P4255-IC4255	6P517490.D	09/12/24	19:38	03:46	Initial cal 10
E6P4255-IC4255	6P517491.D	09/12/24	19:58	04:06	Initial cal 25
E6P4255-ICC4255	6P517492.D	09/12/24	20:17	04:25	Initial cal 50
E6P4255-IC4255	6P517493.D	09/12/24	20:37	04:45	Initial cal 80
E6P4255-IC4255	6P517494.D	09/12/24	20:57	05:05	Initial cal 100

Instrument Performance Check (DFTPP)

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: E6P4256-DFTPP
Lab File ID: 6P517499.D
Instrument ID: GCMS6P
Injection Date: 09/13/24
Injection Time: 09:42

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	73508	55.9		Pass
68	Less than 2.0% of mass 69	1129	0.86	(1.58) [a]	Pass
69	Mass 69 relative abundance	71438	54.3		Pass
70	Less than 2.0% of mass 69	218	0.17	(0.31) [a]	Pass
127	40.0 - 60.0% of mass 198	73648	56.0		Pass
197	Less than 1.0% of mass 198	448	0.34		Pass
198	Base peak, 100% relative abundance	131491	100.0		Pass
199	5.0 - 9.0% of mass 198	8755	6.66		Pass
275	10.0 - 30.0% of mass 198	36704	27.9		Pass
365	1.0 - 100.0% of mass 198	4989	3.79		Pass
441	Present, but less than mass 443	18039	13.7	(90.9) [b]	Pass
442	40.0 - 100.0% of mass 198	103901	79.0		Pass
443	17.0 - 23.0% of mass 442	19850	15.1	(19.1) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E6P4256-ICC4256	6P517500.D	09/13/24	09:53	00:11	Initial cal 50
E6P4256-IC4256	6P517502.D	09/13/24	10:32	00:50	Initial cal 2
E6P4256-IC4256	6P517504.D	09/13/24	11:12	01:30	Initial cal 10
E6P4256-IC4256	6P517507.D	09/13/24	12:11	02:29	Initial cal 100
E6P4256-IC4256	6P517509.D	09/13/24	12:51	03:09	Initial cal 1
E6P4256-IC4256	6P517510.D	09/13/24	13:11	03:29	Initial cal 5
E6P4256-IC4256	6P517511.D	09/13/24	13:31	03:49	Initial cal 25
E6P4256-IC4256	6P517512.D	09/13/24	13:51	04:09	Initial cal 80
E6P4256-ICV4256	6P517514.D	09/13/24	16:16	06:34	Initial cal verification 50
E6P4256-ICV4256	6P517515.D	09/13/24	16:35	06:53	Initial cal verification 50
E6P4256-ICV4255	6P517516.D	09/13/24	16:54	07:12	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	E6P4258-DFTPP	**Injection Date:**	09/16/24
Lab File ID:	6P517521.D	**Injection Time:**	10:59
Instrument ID:	GCMS6P		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	81139	54.5		Pass
68	Less than 2.0% of mass 69	1222	0.82	(1.50) [a]	Pass
69	Mass 69 relative abundance	81275	54.5		Pass
70	Less than 2.0% of mass 69	282	0.19	(0.35) [a]	Pass
127	40.0 - 60.0% of mass 198	84280	56.6		Pass
197	Less than 1.0% of mass 198	211	0.14		Pass
198	Base peak, 100% relative abundance	149005	100.0		Pass
199	5.0 - 9.0% of mass 198	10363	6.95		Pass
275	10.0 - 30.0% of mass 198	40132	26.9		Pass
365	1.0 - 100.0% of mass 198	6216	4.17		Pass
441	Present, but less than mass 443	19314	13.0	(85.7) [b]	Pass
442	40.0 - 100.0% of mass 198	120239	80.7		Pass
443	17.0 - 23.0% of mass 442	22538	15.1	(18.7) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E6P4258-ICV4256	6P517522.D	09/16/24	11:29	00:30	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EF9895-DFTPP
Lab File ID: F222664.D
Instrument ID: GCMSF
Injection Date: 10/29/24
Injection Time: 10:13

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	23575	40.1		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	24117	41.0		Pass
70	Less than 2.0% of mass 69	153	0.26	(0.63) [a]	Pass
127	40.0 - 60.0% of mass 198	27738	47.2		Pass
197	Less than 1.0% of mass 198	192	0.33		Pass
198	Base peak, 100% relative abundance	58781	100.0		Pass
199	5.0 - 9.0% of mass 198	4014	6.83		Pass
275	10.0 - 30.0% of mass 198	13632	23.2		Pass
365	1.0 - 100.0% of mass 198	1422	2.42		Pass
441	Present, but less than mass 443	5233	8.90	(76.5) [b]	Pass
442	40.0 - 100.0% of mass 198	35538	60.5		Pass
443	17.0 - 23.0% of mass 442	6839	11.6	(19.2) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EF9895-IC9895	F222673.D	10/29/24	13:30	03:17	Initial cal 1
EF9895-IC9895	F222674.D	10/29/24	13:52	03:39	Initial cal 2
EF9895-IC9895	F222675.D	10/29/24	14:15	04:02	Initial cal 5
EF9895-IC9895	F222676.D	10/29/24	14:38	04:25	Initial cal 10
EF9895-IC9895	F222677.D	10/29/24	15:01	04:48	Initial cal 25
EF9895-ICC9895	F222678.D	10/29/24	15:23	05:10	Initial cal 50
EF9895-IC9895	F222679.D	10/29/24	15:46	05:33	Initial cal 80
EF9895-IC9895	F222680.D	10/29/24	16:09	05:56	Initial cal 100
EF9895-IC9895	F222681.D	10/29/24	16:31	06:18	Initial cal 1
EF9895-IC9895	F222682.D	10/29/24	16:54	06:41	Initial cal 2
EF9895-IC9895	F222683.D	10/29/24	17:17	07:04	Initial cal 5
EF9895-IC9895	F222684.D	10/29/24	17:39	07:26	Initial cal 10
EF9895-IC9895	F222685.D	10/29/24	18:02	07:49	Initial cal 25
EF9895-IC9895	F222686.D	10/29/24	18:25	08:12	Initial cal 50
EF9895-IC9895	F222687.D	10/29/24	18:47	08:34	Initial cal 80
EF9895-IC9895	F222688.D	10/29/24	19:10	08:57	Initial cal 100
EF9895-ICV9895	F222689.D	10/29/24	19:33	09:20	Initial cal verification 50
EF9895-ICV9895	F222690.D	10/29/24	19:55	09:42	Initial cal verification 50
EF9895-ICV9895	F222691.D	10/29/24	20:18	10:05	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	EF9895-DFTPP	**Injection Date:**	10/29/24
Lab File ID:	F222664.D	**Injection Time:**	10:13
Instrument ID:	GCMSF		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EF9895-ICV9895	F222692.D	10/29/24	20:41	10:28	Initial cal verification 50
EF9895-ICV9895	F222695.D	10/29/24	21:49	11:36	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EF9899-DFTPP
Lab File ID: F222732A.D
Instrument ID: GCMSF
Injection Date: 11/07/24
Injection Time: 08:48

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	19558	36.6		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	19448	36.4		Pass
70	Less than 2.0% of mass 69	83	0.16	(0.43) [a]	Pass
127	40.0 - 60.0% of mass 198	23578	44.2		Pass
197	Less than 1.0% of mass 198	195	0.37		Pass
198	Base peak, 100% relative abundance	53402	100.0		Pass
199	5.0 - 9.0% of mass 198	3465	6.49		Pass
275	10.0 - 30.0% of mass 198	13109	24.5		Pass
365	1.0 - 100.0% of mass 198	1301	2.44		Pass
441	Present, but less than mass 443	4675	8.75	(73.2) [b]	Pass
442	40.0 - 100.0% of mass 198	31362	58.7		Pass
443	17.0 - 23.0% of mass 442	6386	12.0	(20.4) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EF9899-IC9899	F222733.D	11/07/24	09:00	00:12	Initial cal 1
EF9899-IC9899	F222734.D	11/07/24	09:23	00:35	Initial cal 2
EF9899-IC9899	F222735.D	11/07/24	09:46	00:58	Initial cal 5
EF9899-IC9899	F222736.D	11/07/24	10:10	01:22	Initial cal 10
EF9899-IC9899	F222737.D	11/07/24	10:33	01:45	Initial cal 25
EF9899-ICC9899	F222739.D	11/07/24	10:56	02:08	Initial cal 50
EF9899-IC9899	F222738.D	11/07/24	11:20	02:32	Initial cal 80
EF9899-IC9899	F222740.D	11/07/24	11:43	02:55	Initial cal 100
EF9899-ICV9899	F222741.D	11/07/24	12:06	03:18	Initial cal verification 50
EF9899-ICV9899	F222742.D	11/07/24	12:30	03:42	Initial cal verification 50
EF9899-ICV9899	F222743.D	11/07/24	12:53	04:05	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EF9918-DFTPP
Lab File ID: F223229.D
Instrument ID: GCMSF
Injection Date: 12/02/24
Injection Time: 09:53

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	11420	34.0		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	12188	36.3		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	14799	44.1		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	33587	100.0		Pass
199	5.0 - 9.0% of mass 198	2289	6.82		Pass
275	10.0 - 30.0% of mass 198	8280	24.7		Pass
365	1.0 - 100.0% of mass 198	925	2.75		Pass
441	Present, but less than mass 443	3542	10.5	(73.8) [b]	Pass
442	40.0 - 100.0% of mass 198	23256	69.2		Pass
443	17.0 - 23.0% of mass 442	4799	14.3	(20.6) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EF9918-CC9899	F223230.D	12/02/24	10:04	00:11	Continuing cal 50
EF9918-CC9895	F223231.D	12/02/24	10:28	00:35	Continuing cal 50
OP59781B-MB1	F223232A.D	12/02/24	10:56	01:03	Method Blank
OP59781-MB1	F223232.D	12/02/24	10:56	01:03	Method Blank
OP59781B-BS1	F223233A.D	12/02/24	11:19	01:26	Blank Spike
OP59781-BS1	F223233.D	12/02/24	11:19	01:26	Blank Spike
OP59781B-BSD	F223234A.D	12/02/24	11:43	01:50	Blank Spike Duplicate
OP59781-BSD	F223234.D	12/02/24	11:43	01:50	Blank Spike Duplicate
ZZZZZZ	F223235.D	12/02/24	12:07	02:14	(unrelated sample)
ZZZZZZ	F223236.D	12/02/24	12:31	02:38	(unrelated sample)
ZZZZZZ	F223237.D	12/02/24	12:55	03:02	(unrelated sample)
ZZZZZZ	F223238.D	12/02/24	13:19	03:26	(unrelated sample)
ZZZZZZ	F223239.D	12/02/24	13:43	03:50	(unrelated sample)
ZZZZZZ	F223240.D	12/02/24	14:06	04:13	(unrelated sample)
ZZZZZZ	F223241.D	12/02/24	14:29	04:36	(unrelated sample)
ZZZZZZ	F223242.D	12/02/24	14:54	05:01	(unrelated sample)
ZZZZZZ	F223243.D	12/02/24	15:18	05:25	(unrelated sample)
JE1300-51	F223244.D	12/02/24	15:42	05:49	FB-2
ZZZZZZ	F223245.D	12/02/24	16:06	06:13	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	EF9918-DFTPP	**Injection Date:**	12/02/24
Lab File ID:	F223229.D	**Injection Time:**	09:53
Instrument ID:	GCMSF		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	F223246.D	12/02/24	16:30	06:37	(unrelated sample)
ZZZZZZ	F223247.D	12/02/24	16:54	07:01	(unrelated sample)
ZZZZZZ	F223248.D	12/02/24	17:18	07:25	(unrelated sample)
ZZZZZZ	F223249.D	12/02/24	17:42	07:49	(unrelated sample)
ZZZZZZ	F223250.D	12/02/24	18:06	08:13	(unrelated sample)
ZZZZZZ	F223251.D	12/02/24	18:30	08:37	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EP7558-DFTPP
Lab File ID: P161740.D
Instrument ID: GCMSP
Injection Date: 09/13/24
Injection Time: 16:48

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	21071	34.1		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	20734	33.6		Pass
70	Less than 2.0% of mass 69	207	0.34	(1.00) [a]	Pass
127	40.0 - 60.0% of mass 198	27319	44.2		Pass
197	Less than 1.0% of mass 198	85	0.14		Pass
198	Base peak, 100% relative abundance	61791	100.0		Pass
199	5.0 - 9.0% of mass 198	4170	6.75		Pass
275	10.0 - 30.0% of mass 198	15772	25.5		Pass
365	1.0 - 100.0% of mass 198	2118	3.43		Pass
441	Present, but less than mass 443	8293	13.4	(82.0) [b]	Pass
442	40.0 - 100.0% of mass 198	52088	84.3		Pass
443	17.0 - 23.0% of mass 442	10108	16.4	(19.4) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EP7558-IC7558	P161749.D	09/13/24	20:28	03:40	Initial cal 1
EP7558-IC7558	P161750.D	09/13/24	20:52	04:04	Initial cal 2
EP7558-IC7558	P161751.D	09/13/24	21:17	04:29	Initial cal 5
EP7558-IC7558	P161752.D	09/13/24	21:42	04:54	Initial cal 10
EP7558-IC7558	P161753.D	09/13/24	22:07	05:19	Initial cal 25
EP7558-ICC7558	P161754.D	09/13/24	22:31	05:43	Initial cal 50
EP7558-IC7558	P161755.D	09/13/24	22:56	06:08	Initial cal 80
EP7558-IC7558	P161756.D	09/13/24	23:21	06:33	Initial cal 100
EP7558-ICV7558	P161759.D	09/14/24	00:35	07:47	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EP7559-DFTPP
Lab File ID: P161761.D
Instrument ID: GCMSP
Injection Date: 09/16/24
Injection Time: 11:29

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	33096	37.0		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	31922	35.7		Pass
70	Less than 2.0% of mass 69	277	0.31	(0.87) [a]	Pass
127	40.0 - 60.0% of mass 198	41507	46.4		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	89539	100.0		Pass
199	5.0 - 9.0% of mass 198	6016	6.72		Pass
275	10.0 - 30.0% of mass 198	22798	25.5		Pass
365	1.0 - 100.0% of mass 198	2894	3.23		Pass
441	Present, but less than mass 443	11272	12.6	(87.7) [b]	Pass
442	40.0 - 100.0% of mass 198	69453	77.6		Pass
443	17.0 - 23.0% of mass 442	12857	14.4	(18.5) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EP7559-ICC7559	P161762.D	09/16/24	11:39	00:10	Initial cal 50
EP7559-IC7559	P161763.D	09/16/24	12:05	00:36	Initial cal 1
EP7559-IC7559	P161764.D	09/16/24	12:29	01:00	Initial cal 2
EP7559-IC7559	P161765.D	09/16/24	12:54	01:25	Initial cal 5
EP7559-IC7559	P161766.D	09/16/24	13:18	01:49	Initial cal 10
EP7559-IC7559	P161767.D	09/16/24	13:43	02:14	Initial cal 25
EP7559-IC7559	P161768.D	09/16/24	14:08	02:39	Initial cal 80
EP7559-IC7559	P161769.D	09/16/24	14:33	03:04	Initial cal 100
EP7559-ICV7559	P161770.D	09/16/24	14:58	03:29	Initial cal verification 50
EP7559-ICV7559	P161771.D	09/16/24	15:23	03:54	Initial cal verification 50
EP7559-ICV7559	P161772.D	09/16/24	15:47	04:18	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	EP7561-DFTPP	**Injection Date:**	09/18/24
Lab File ID:	P161777.D	**Injection Time:**	14:23
Instrument ID:	GCMSP		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	37455	37.9		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	35204	35.6		Pass
70	Less than 2.0% of mass 69	302	0.31	(0.86) [a]	Pass
127	40.0 - 60.0% of mass 198	45200	45.7		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	98907	100.0		Pass
199	5.0 - 9.0% of mass 198	6761	6.84		Pass
275	10.0 - 30.0% of mass 198	24361	24.6		Pass
365	1.0 - 100.0% of mass 198	2896	2.93		Pass
441	Present, but less than mass 443	11525	11.7	(86.0) [b]	Pass
442	40.0 - 100.0% of mass 198	72525	73.3		Pass
443	17.0 - 23.0% of mass 442	13398	13.5	(18.5) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EP7561-ICV7559	P161778.D	09/18/24	16:42	02:19	Initial cal verification 50

8.5.10

8

Internal Standard Area Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	E4P3701-CC3698	**Injection Date:**	12/04/24
Lab File ID:	4P694080.D	**Injection Time:**	11:46
Instrument ID:	GCMS4P	**Method:**	SW846 8270E

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Initial Cal [a]	63932	4.59	237036	5.38	135783	6.62	250378	7.97	226451	10.96	244790	12.55
Check Std [b]	109380	4.59	396907	5.38	220364	6.62	394091	7.98	390646	10.97	449353	12.57
Upper Limit [c]	218760	4.76	793814	5.55	440728	6.79	788182	8.15	781292	11.14	898706	12.74
Lower Limit [d]	54690	4.42	198454	5.21	110182	6.45	197046	7.81	195323	10.80	224677	12.40

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
ZZZZZZ	100055	4.59	354649	5.38	195872	6.62	319718	7.97	268956	10.96	323903	12.56
ZZZZZZ	107043	4.59	378250	5.38	204700	6.62	334000	7.97	267247	10.96	287857	12.56
ZZZZZZ	121370	4.59	437823	5.38	243392	6.62	400719	7.97	306719	10.96	322786	12.56
ZZZZZZ	84347	4.59	319116	5.38	175901	6.62	303713	7.97	277680	10.96	303738	12.56
JE910-1	79421	4.59	294633	5.38	171540	6.62	308651	7.97	305068	10.96	331208	12.56
ZZZZZZ	76147	4.59	281406	5.38	168878	6.62	298126	7.97	280482	10.96	296285	12.56
ZZZZZZ	79027	4.58	293992	5.38	174442	6.62	310356	7.97	309141	10.96	333845	12.56
ZZZZZZ	76890	4.59	303251	5.38	173362	6.62	293993	7.97	320217	10.96	334673	12.56
JE1300-7	93105	4.59	329690	5.38	175308	6.62	287778	7.97	214426	10.96	248387	12.56
JE1300-10	91959	4.59	341546	5.38	188669	6.62	303018	7.97	244197	10.96	267092	12.56
JE1300-12	102285	4.59	387583	5.38	201925	6.62	311955	7.97	256363	10.96	291965	12.56
JE1300-14	104768	4.59	381473	5.38	201060	6.62	327113	7.97	265806	10.95	319895	12.56
JE1300-16	84282	4.59	319355	5.38	172230	6.62	280895	7.97	264968	10.95	322624	12.56
JE1300-18	102420	4.59	360252	5.38	190389	6.62	302190	7.97	261109	10.96	335844	12.56
JE1300-20	93834	4.59	336868	5.38	181245	6.62	290200	7.97	239587	10.96	295430	12.56
JE1300-22	92192	4.59	323986	5.38	174519	6.62	274086	7.97	265412	10.96	330314	12.56

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Initial Cal is: E4P3698-ICC3698 4P693995.D 11/27/24 14:14
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

Internal Standard Area Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	E4P3706-CC3698	**Injection Date:**	12/10/24
Lab File ID:	4P694225.D	**Injection Time:**	09:09
Instrument ID:	GCMS4P	**Method:**	SW846 8270E

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	78502	4.57	290070	5.37	168527	6.60	312101	7.96	349266	10.95	378113	12.55
Upper Limit [a]	157004	5.07	580140	5.87	337054	7.10	624202	8.46	698532	11.45	756226	13.05
Lower Limit [b]	39251	4.07	145035	4.87	84264	6.10	156051	7.46	174633	10.45	189057	12.05
Lab Sample ID	**IS 1 AREA**	**RT**	**IS 2 AREA**	**RT**	**IS 3 AREA**	**RT**	**IS 4 AREA**	**RT**	**IS 5 AREA**	**RT**	**IS 6 AREA**	**RT**
OP60014-MB1	62643	4.56	233984	5.37	134258	6.59	249101	7.95	238427	10.94	238381	12.54
OP60014-BS1	64940	4.57	231216	5.37	127836	6.60	217029	7.96	226629	10.94	287756	12.54
OP60014-BSD	63188	4.57	229752	5.37	126718	6.60	233224	7.96	240970	10.94	217981	12.54
ZZZZZZ	55903	4.56	201287	5.37	118639	6.60	199309	7.95	189864	10.94	193049	12.54
ZZZZZZ	55562	4.57	198451	5.37	112923	6.60	205982	7.96	199985	10.94	202128	12.54
ZZZZZZ	53636	4.57	199173	5.36	113270	6.60	211660	7.96	204237	10.94	208382	12.54
ZZZZZZ	53945	4.57	197209	5.36	111171	6.59	190549	7.95	186669	10.94	193869	12.54
ZZZZZZ	54156	4.57	197603	5.36	114147	6.60	199136	7.96	196078	10.94	201467	12.54
ZZZZZZ	53537	4.57	199065	5.37	119165	6.60	202275	7.95	196845	10.94	205729	12.54
ZZZZZZ	51292	4.57	196351	5.37	108828	6.60	189301	7.95	181795	10.94	189078	12.54
ZZZZZZ	53856	4.56	200615	5.37	112255	6.60	199529	7.96	192098	10.94	197189	12.54
ZZZZZZ	54626	4.56	203860	5.37	118735	6.60	221693	7.96	213636	10.95	211916	12.55
ZZZZZZ	53258	4.57	205970	5.37	148601	6.60	227045	7.96	244658	10.95	252245	12.56
ZZZZZZ	56079	4.57	207230	5.37	120359	6.60	214283	7.96	201627	10.94	212650	12.54
ZZZZZZ	63766	4.57	253110	5.37	163583	6.62	303566	7.98	264748	10.96	276164	12.55
JE1300-48A	73573	4.57	260654	5.37	140402	6.60	224254	7.96	224481	10.94	253554	12.55
JE1300-23A	75437	4.57	267693	5.37	143321	6.60	227440	7.96	214837	10.94	246741	12.55
JE1300-25A	74601	4.57	260047	5.37	138335	6.60	218676	7.96	226872	10.94	255628	12.55
JE1300-27A	67271	4.57	236018	5.37	126063	6.60	203937	7.96	225029	10.95	246542	12.55
JE1300-36A	61356	4.57	220497	5.37	111947	6.60	189249	7.96	207458	10.95	225082	12.55

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Internal Standard Area Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	E6P4327-CC4256	**Injection Date:**	12/04/24
Lab File ID:	6P519285.D	**Injection Time:**	15:16
Instrument ID:	GCMS6P	**Method:**	SW846 8270E

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Initial Cal [a]	177708	4.60	733649	5.30	398854	6.42	731641	7.59	659213	10.04	783451	11.39
Check Std [b]	233114	4.49	904456	5.21	524904	6.31	944237	7.46	899395	9.92	1002606	11.25
Upper Limit [c]	466228	4.66	1808912	5.38	1049808	6.48	1888474	7.63	1798790	10.09	2005212	11.42
Lower Limit [d]	116557	4.32	452228	5.04	262452	6.14	472119	7.29	449698	9.75	501303	11.08

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP59835-MB1	255776	4.49	1001600	5.21	556104	6.31	951875	7.46	826029	9.91	845703	11.25
OP59835-BS1	266852	4.49	1001230	5.21	552145	6.31	948795	7.46	850894	9.91	865423	11.25
OP59835-MS	209059	4.49	785340	5.21	431000	6.31	736402	7.46	654284	9.91	734965	11.25
OP59835-MSD	237791	4.49	887645	5.21	486179	6.31	821694	7.46	739961	9.91	832730	11.25
JE1300-45	230809	4.49	860260	5.21	466251	6.31	783519	7.46	720271	9.91	852825	11.25
JE1300-47	229858	4.49	854029	5.21	460582	6.31	775725	7.46	734253	9.91	908692	11.25
JE1300-49	215639	4.49	818572	5.21	444443	6.31	732468	7.46	644005	9.91	752386	11.25
ZZZZZZ	213228	4.50	776523	5.21	429801	6.31	705896	7.46	630467	9.91	744663	11.25
ZZZZZZ	239905	4.50	897773	5.21	498423	6.31	826732	7.46	719865	9.91	850992	11.25
ZZZZZZ	217676	4.49	804915	5.21	437806	6.31	725819	7.46	644634	9.91	754744	11.25
ZZZZZZ	208341	4.49	776514	5.21	425893	6.31	713964	7.46	641010	9.91	780737	11.25
ZZZZZZ	215458	4.49	831631	5.21	458184	6.31	768900	7.46	685687	9.91	796731	11.25
ZZZZZZ	213350	4.50	793720	5.21	436402	6.31	733011	7.46	672265	9.91	845908	11.25
ZZZZZZ	255210	4.49	964804	5.21	514526	6.31	843449	7.46	746479	9.91	889028	11.25
ZZZZZZ	185887	4.49	701651	5.21	389548	6.31	676323	7.46	670993	9.91	801644	11.25
ZZZZZZ	227112	4.49	831156	5.21	446494	6.31	727343	7.46	654692	9.91	785806	11.25
ZZZZZZ	211217	4.49	805242	5.21	451684	6.31	768733	7.46	698258	9.91	820441	11.25
ZZZZZZ	196554	4.50	732931	5.21	400335	6.31	677565	7.46	630878	9.91	777819	11.25
ZZZZZZ	235852	4.49	869733	5.21	474940	6.31	777062	7.46	673357	9.91	782738	11.25
ZZZZZZ	213026	4.49	798522	5.21	438573	6.31	721963	7.46	665469	9.91	813576	11.25
ZZZZZZ	204946	4.50	766509	5.21	429843	6.31	692079	7.46	605935	9.91	715165	11.24

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Initial Cal is: E6P4256-ICC4256 6P517500.D 09/13/24 09:53
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

Internal Standard Area Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	EF9918-CC9899	**Injection Date:**	12/02/24
Lab File ID:	F223230.D	**Injection Time:**	10:04
Instrument ID:	GCMSF	**Method:**	SW846 8270E

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Initial Cal [a]	51226	4.76	196878	5.66	106090	7.04	207792	8.67	202954	12.51	214191	14.60
Check Std [b]	51305	4.69	189427	5.59	103680	6.96	199839	8.56	195137	12.39	209317	14.48
Upper Limit [c]	102610	4.86	378854	5.76	207360	7.13	399678	8.73	390274	12.56	418634	14.65
Lower Limit [d]	25653	4.52	94714	5.42	51840	6.79	99920	8.39	97569	12.22	104659	14.31

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP59781B-MB1	39126	4.69	143437	5.59	78569	6.96	153167	8.56	141189	12.38	157463	14.47
OP59781-MB1	39126	4.69	143437	5.59	78569	6.96	153167	8.56	141189	12.38	157463	14.47
OP59781-BS1	39136	4.69	146830	5.59	80986	6.95	156172	8.56	149458	12.38	160902	14.47
OP59781B-BS1	39136	4.69	146830	5.59	80986	6.95	156172	8.56	149458	12.38	160902	14.47
OP59781B-BSD	38601	4.69	142648	5.59	79167	6.95	153661	8.56	149997	12.38	158412	14.46
OP59781-BSD	38601	4.69	142648	5.59	79167	6.95	153661	8.56	149997	12.38	158412	14.46
ZZZZZZ	41660	4.69	157483	5.59	87842	6.95	171296	8.56	159836	12.38	179420	14.46
ZZZZZZ	41847	4.69	154661	5.59	85167	6.95	165458	8.56	152009	12.38	169346	14.46
ZZZZZZ	40605	4.69	148836	5.59	81454	6.95	158512	8.56	145203	12.38	162040	14.46
ZZZZZZ	41084	4.69	155327	5.59	86475	6.95	168383	8.56	152468	12.38	166912	14.46
ZZZZZZ	39546	4.69	150030	5.59	82819	6.95	163850	8.56	149709	12.38	166372	14.46
ZZZZZZ	39741	4.69	146763	5.59	81502	6.95	158506	8.56	146919	12.38	163592	14.46
ZZZZZZ	40349	4.69	151169	5.59	83997	6.95	164744	8.56	153820	12.38	170808	14.46
ZZZZZZ	38655	4.69	143266	5.59	80757	6.95	155960	8.56	146685	12.38	160265	14.46
ZZZZZZ	40560	4.69	150495	5.59	84543	6.95	162982	8.56	149873	12.38	167598	14.46
JE1300-51	37815	4.69	143564	5.59	79425	6.95	154717	8.56	142232	12.38	160443	14.46
ZZZZZZ	37628	4.69	141836	5.59	77531	6.95	148194	8.56	137468	12.38	151621	14.46
ZZZZZZ	37296	4.69	139072	5.59	79094	6.95	151842	8.56	142380	12.38	158744	14.46
ZZZZZZ	37609	4.69	139402	5.59	79171	6.95	151565	8.56	142597	12.38	159030	14.46
ZZZZZZ	38166	4.69	140487	5.59	80147	6.95	153590	8.56	143139	12.38	160178	14.46
ZZZZZZ	38638	4.69	146820	5.59	83335	6.95	158748	8.56	154743	12.38	163706	14.46
ZZZZZZ	31771	4.69	121942	5.59	69441	6.95	137209	8.56	132562	12.38	143536	14.47
ZZZZZZ	38282	4.69	138501	5.59	77960	6.95	149247	8.56	144376	12.38	157495	14.47

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Initial Cal is: EF9899-ICC9899 F222739.D 11/07/24 10:56
(b) Check Std Limit = -50 to + 100% of initial cal area.

Internal Standard Area Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	EF9918-CC9899	**Injection Date:**	12/02/24
Lab File ID:	F223230.D	**Injection Time:**	10:04
Instrument ID:	GCMSF	**Method:**	SW846 8270E

Lab Sample ID	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT	IS 3 AREA	IS 3 RT	IS 4 AREA	IS 4 RT	IS 5 AREA	IS 5 RT	IS 6 AREA	IS 6 RT

(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

Internal Standard Area Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	EP7624-CC7558	**Injection Date:**	12/04/24
Lab File ID:	P163368.D	**Injection Time:**	14:33
Instrument ID:	GCMSP	**Method:**	SW846 8270E

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Initial Cal [a]	109928	4.68	429686	5.58	226378	7.01	438092	8.90	409532	14.17	439067	17.22
Check Std [b]	120506	4.52	408353	5.45	250003	6.84	489130	8.69	540110	13.96	559574	17.04
Upper Limit [c]	241012	4.69	816706	5.62	500006	7.01	978260	8.86	1080220	14.13	1119148	17.21
Lower Limit [d]	60253	4.35	204177	5.28	125002	6.67	244565	8.52	270055	13.79	279787	16.87

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP59834-MB1	115140	4.52	399404	5.45	227554	6.84	427272	8.68	444058	13.95	446584	17.03
OP59834-BS1	127183	4.52	427246	5.45	248387	6.84	473417	8.69	491943	13.95	488211	17.03
OP59832-MB1	119323	4.52	416016	5.45	232138	6.84	429230	8.68	423205	13.95	415710	17.03
OP59832-BS1	123330	4.52	416316	5.45	238237	6.84	435590	8.69	450370	13.95	457720	17.04
OP59834-MS	117769	4.52	396129	5.45	227009	6.84	423313	8.69	427111	13.95	489972	17.04
OP59834-MSD	110400	4.52	364040	5.45	208947	6.84	381795	8.69	384030	13.95	435791	17.04
JE1300-24	104762	4.52	371027	5.45	216300	6.84	404695	8.69	428026	13.96	454289	17.05
JE1300-26	129350	4.52	448462	5.45	251645	6.84	463560	8.69	477209	13.96	539687	17.05
JE1300-28	121867	4.52	413264	5.45	231654	6.84	419744	8.69	441850	13.96	488382	17.06
JE1300-30	106297	4.52	376977	5.45	224190	6.85	434014	8.69	448292	13.96	462315	17.06
JE1300-33	107412	4.52	380510	5.45	229084	6.85	430672	8.69	464022	13.96	471647	17.06
JE1300-35	95766	4.53	337844	5.45	189680	6.85	346959	8.69	370681	13.97	393445	17.06
JE1300-37	126763	4.53	425525	5.45	244507	6.85	447986	8.69	425739	13.97	468297	17.06
JE1300-39	105263	4.53	364035	5.45	204568	6.85	376525	8.69	407969	13.97	426096	17.06
JE1300-41	99468	4.53	345026	5.45	191832	6.85	350586	8.70	374750	13.97	391612	17.06
JE1300-43	115748	4.53	403097	5.46	228376	6.85	414871	8.70	447784	13.98	462676	17.07
OP59832-MS	101412	4.53	354050	5.46	198975	6.85	363917	8.70	399349	13.98	422491	17.06
OP59832-MSD	96571	4.53	335000	5.46	187841	6.85	341401	8.70	363099	13.98	384497	17.06
JE1300-1	120679	4.53	411970	5.46	231564	6.85	426752	8.70	466136	13.97	486058	17.06
JE1300-3	106644	4.53	377925	5.46	208500	6.85	382328	8.70	407567	13.97	429020	17.06
JE1300-5	96187	4.53	332737	5.46	188337	6.85	349119	8.70	375390	13.97	399632	17.06

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Initial Cal is: EP7558-ICC7558 P161754.D 09/13/24 22:31
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

Surrogate Recovery Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Method: SW846 8270E **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
JE1300-51	F223244.D	42	29	81	82	77	72
OP59781-BS1	F223233.D	42	31	101	82	79	83
OP59781-BSD	F223234.D	44	33	94	81	79	78
OP59781-MB1	F223232.D	41	27	86	81	78	81

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	10-71%
S2 = Phenol-d5	10-58%
S3 = 2,4,6-Tribromophenol	22-144%
S4 = Nitrobenzene-d5	28-118%
S5 = 2-Fluorobiphenyl	34-116%
S6 = Terphenyl-d14	10-127%

Surrogate Recovery Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Method: SW846 8270E **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
JE1300-1	P163393.D	68	70	68
JE1300-3	P163394.D	55	56	56
JE1300-5	P163395.D	68	66	71
JE1300-7	4P694094.D	64	70	79
JE1300-10	4P694095.D	56	65	80
JE1300-12	4P694096.D	62	68	73
JE1300-14	4P694097.D	67	75	83
JE1300-16	4P694098.D	30	40	42
JE1300-18	4P694099.D	57	63	63
JE1300-20	4P694100.D	58	63	66
JE1300-22	4P694101.D	61	69	62
JE1300-24	P163381.D	66	65	65
JE1300-26	P163382.D	57	58	58
JE1300-28	P163383.D	50	49	45
JE1300-30	P163384.D	81	79	78
JE1300-33	P163385.D	62	61	65
JE1300-35	P163386.D	65	61	57
JE1300-37	P163387.D	55	56	59
JE1300-39	P163388.D	54	56	55
JE1300-41	P163389.D	58	58	54
JE1300-43	P163390.D	65	63	59
JE1300-45	6P519296.D	51	57	57
JE1300-47	6P519297.D	61	72	69
JE1300-49	6P519298.D	53	62	64
JE1300-23A	4P694250.D	51	55	51
JE1300-25A	4P694251.D	51	55	49
JE1300-27A	4P694252.D	65	69	60
JE1300-36A	4P694253.D	60	69	58
JE1300-48A	4P694249.D	57	61	53
OP59832-BS1	P163377.D	69	63	66
OP59832-MB1	P163376.D	94	84	91
OP59832-MS	P163391.D	59	57	56
OP59832-MSD	P163392.D	74	68	67
OP59834-BS1	P163375.D	76	71	76
OP59834-MB1	P163374.D	86	79	82
OP59834-MS	P163378.D	64	65	66
OP59834-MSD	P163379.D	62	59	62
OP59835-BS1	6P519293.D	54	68	80
OP59835-MB1	6P519292.D	51	61	80
OP59835-MS	6P519294.D	59	68	73

Surrogate Recovery Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Method: SW846 8270E **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
OP59835-MSD	6P519295.D	54	66	68

Surrogate Compounds	Recovery Limits
S1 = Nitrobenzene-d5	10-109%
S2 = 2-Fluorobiphenyl	11-109%
S3 = Terphenyl-d14	10-120%

Initial Calibration Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: E4P3698-ICC3698
Lab FileID: 4P693995.D

Response Factor Report GCMS4P

Method : C:\MSDCHEM\1\METHODS\M4P3698.M (RTE Integrator)
Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
Last Update : Mon Dec 02 10:54:52 2024
Response via : Initial Calibration

Calibration Files
2 =4p693997.D 5 =4p693998.D 100 =4p694002.D 50 =4p693995.D
1 =4p693996.D 10 =4p693999.D 80 =4p694001.D 25 =4p694000.D

Compound	2	5	100	50	1	10	80	25	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	ISTD									
2) 1,4-Dioxane	0.587	0.603	0.548	0.538	0.573	0.481	0.516	0.499	0.543	7.95
3) Pyridine	1.299	1.207	1.487	1.329	1.101	1.215	1.327	1.208	1.272	9.13
4) N-Nitrosodim	0.578	0.592	0.700	0.654	0.746	0.543	0.617	0.564	0.624	11.34
5) 2-Fluorophen	1.109	1.051	1.288	1.085	1.072	1.020	1.141	1.029	1.099	7.84
6) Indene	2.210	2.201	2.438	2.290	2.371	2.169	2.212	2.146	2.255	4.57
7) Cumene	2.485	2.375	2.750	2.477	2.469	2.380	2.418	2.412	2.471	4.88
8) Phenol-d5	1.379	1.317	1.655	1.450	1.446	1.378	1.496	1.451	1.447	7.02
9) Phenol	1.530	1.515	1.943	1.580	1.613	1.543	1.593	1.550	1.608	8.65
10) Aniline	1.933	1.819	2.176	1.942	1.946	1.921	1.975	1.904	1.952	5.21
11) bis(2-Chloro	1.212	1.119	1.319	1.188	1.217	1.151	1.194	1.141	1.193	5.19
12) 2-Chlorophen	1.285	1.191	1.445	1.335	1.361	1.261	1.316	1.245	1.305	5.97
13) Decane	1.593	1.444	1.585	1.564	1.685	1.458	1.466	1.425	1.527	6.06
14) 1,3-Dichloro	1.599	1.544	1.695	1.553	1.578	1.518	1.540	1.462	1.561	4.34
15) 1,4-Dichloro	1.567	1.593	1.704	1.583	1.684	1.511	1.559	1.487	1.586	4.77
16) Benzyl alcoh	0.791	0.823	0.964	0.910	0.753	0.837	0.885	0.830	0.849	7.97
17) 1,2-Dichloro	1.601	1.467	1.632	1.505	1.471	1.449	1.490	1.441	1.507	4.71
18) Acetophenone	1.950	1.782	2.054	1.968	2.052	1.828	1.888	1.832	1.919	5.39
19) 2-Methylphen	1.157	1.190	1.330	1.235	1.248	1.141	1.224	1.150	1.209	5.27
20) 2,2'-oxybis(	0.352	0.336	0.383	0.358	0.311	0.352	0.357	0.341	0.349	5.97
21) 3&4-Methylph	1.275	1.234	1.382	1.312	1.304	1.242	1.257	1.218	1.278	4.16
22) n-Nitroso-di	1.024	0.893	1.030	1.011	0.953	0.924	0.935	0.911	0.960	5.62
23) Hexachloroet	0.602	0.569	0.641	0.581	0.571	0.541	0.585	0.571	0.583	5.02
24) I Naphthalene-d8	ISTD									
25) Nitrobenzene	0.362	0.312	0.386	0.370	0.370	0.346	0.349	0.339	0.354	6.51
26) Nitrobenzene	0.382	0.332	0.401	0.390	0.408	0.367	0.370	0.358	0.376	6.62
27) Quinoline	0.660	0.654	0.744	0.709	0.664	0.662	0.673	0.651	0.677	4.81
28) Isophorone	0.653	0.639	0.722	0.702	0.648	0.640	0.653	0.640	0.662	4.78
29) 2-Nitropheno	0.174	0.163	0.209	0.192	0.173	0.171	0.187	0.177	0.181	8.14
30) 2,4-Dimethyl	0.365	0.346	0.387	0.372	0.345	0.343	0.355	0.344	0.357	4.56
31) Benzoic acid		0.187	0.273	0.251		0.205	0.244	0.224	0.231	13.69
32) bis(2-Chloro	0.408	0.380	0.446	0.425	0.407	0.389	0.396	0.389	0.405	5.41
33) 2,4-Dichloro	0.299	0.292	0.337	0.315	0.308	0.307	0.306	0.289	0.307	4.92
34) 2,6-Dichloro	0.287	0.285	0.334	0.309	0.284	0.289	0.303	0.288	0.297	5.86
35) 1,3,5-Trichl	0.375	0.369	0.398	0.371	0.395	0.359	0.359	0.355	0.373	4.33
36) 1,2,4-Trichl	0.343	0.334	0.374	0.352	0.353	0.331	0.334	0.330	0.344	4.37
37) 1,2,3-Trichl	0.329	0.323	0.377	0.349	0.314	0.337	0.337	0.322	0.336	5.84
38) Naphthalene	1.071	1.008	1.113	1.057	1.102	1.028	1.002	0.986	1.046	4.53
39) 4-Chloroanil	0.410	0.411	0.477	0.445	0.433	0.409	0.434	0.419	0.430	5.40
40) 2,3-Dichloro	0.319	0.337	0.378	0.359	0.350	0.328	0.340	0.328	0.342	5.62
41) Hydroquinone	0.260	0.265	0.327	0.318		0.286	0.297	0.286	0.291	8.63
42) Hexachlorobu	0.201	0.212	0.235	0.216	0.230	0.210	0.216	0.203	0.215	5.57
43) 4-Chloro-3-m	0.263	0.274	0.329	0.308	0.260	0.286	0.291	0.277	0.286	8.15
44) 2-Methylnaph	0.624	0.629	0.683	0.641	0.646	0.615	0.622	0.608	0.633	3.71
45) 1-Methylnaph	0.667	0.663	0.722	0.711	0.686	0.657	0.639	0.630	0.672	4.83

Initial Calibration Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: E4P3698-ICC3698
Lab FileID: 4P693995.D

46) I	Acenaphthene-d10				ISTD					
47) Hexachlorocy	0.320	0.459	0.416		0.349	0.410	0.370	0.387	13.11	
48) 1,2,4,5-Tetr	0.621	0.619	0.699	0.669	0.640	0.628	0.631	0.602	0.638	4.88
49) 2,4,6-Trichl	0.373	0.367	0.439	0.416	0.375	0.370	0.395	0.383	0.390	6.60
50) 2,4,5-Trichl	0.366	0.408	0.483	0.438	0.389	0.416	0.428	0.411	0.417	8.28
51) 2-Fluorobiph	1.325	1.282	1.505	1.412	1.387	1.345	1.344	1.296	1.362	5.31
52) 2-Chloronaph	1.115	1.100	1.280	1.197	1.130	1.099	1.152	1.113	1.148	5.41
53) Biphenyl	1.482	1.472	1.667	1.581	1.547	1.473	1.501	1.426	1.519	5.05
54) 2-Nitroanili	0.315	0.286	0.371	0.352	0.301	0.316	0.333	0.310	0.323	8.65
55) Dimethylphth	1.292	1.237	1.463	1.368	1.333	1.280	1.310	1.262	1.318	5.41
56) Acenaphthyle	1.591	1.534	1.855	1.719	1.569	1.570	1.631	1.576	1.631	6.53
57) 2,6-Dinitrot	0.260	0.234	0.317	0.293	0.230	0.256	0.280	0.256	0.266	11.09
58) 3-Nitroanili	0.293	0.281	0.360	0.327	0.256	0.290	0.320	0.303	0.304	10.49
59) Acenaphthene	1.241	1.231	1.385	1.294	1.178	1.211	1.250	1.178	1.246	5.47
60) 2,4-Dinitrop	0.086	0.095	0.211	0.175		0.122	0.185	0.142	0.145	32.45
---- Quadratic regression ---- Coefficient = 0.9989										
Response Ratio = -0.00586 + 0.12847 *A + 0.01624 *A^2										
61) 4-Nitropheno	0.125	0.192	0.173		0.143	0.173	0.155	0.160	15.05	
62) Dibenzofuran	1.698	1.599	1.865	1.748	1.717	1.642	1.678	1.597	1.693	5.20
63) 2,4-Dinitrot	0.309	0.340	0.448	0.415	0.355	0.356	0.402	0.364	0.374	12.04
64) 2,3,4,6-Tetr	0.326	0.319	0.407	0.374	0.319	0.341	0.363	0.337	0.348	8.93
65) Diethylphtha	1.271	1.223	1.466	1.345	1.342	1.245	1.305	1.244	1.305	6.09
66) Fluorene	1.346	1.247	1.497	1.415	1.359	1.314	1.334	1.286	1.350	5.76
67) 4-Chlorophen	0.619	0.624	0.735	0.674	0.639	0.645	0.656	0.619	0.651	5.97
68) 4-Nitroanili	0.266	0.284	0.342	0.343	0.217	0.296	0.306	0.309	0.295	13.89
69) I	Phenanthrene-d10				ISTD					
70) 4,6-Dinitro-	0.083	0.155	0.134		0.103	0.135	0.119	0.121	21.22	
---- Quadratic regression ---- Coefficient = 0.9979										
Response Ratio = -0.00367 + 0.11292 *A + 0.01589 *A^2										
71) n-Nitrosodip	0.598	0.547	0.684	0.614	0.575	0.594	0.602	0.585	0.600	6.64
72) Pentachloron	0.038	0.035	0.046	0.039	0.034	0.037	0.041	0.038	0.038#	10.23
73) 1,2-Diphenyl	0.687	0.648	0.794	0.735	0.721	0.716	0.707	0.696	0.713	5.88
74) 2,4,6-Tribro	0.100	0.091	0.116	0.100		0.096	0.104	0.098	0.101	7.85
75) 4-Bromopheny	0.221	0.207	0.253	0.222	0.218	0.213	0.224	0.215	0.222	6.26
76) Hexachlorobe	0.249	0.215	0.267	0.233	0.225	0.227	0.231	0.229	0.234	6.90
77) Pentachlorop	0.133	0.124	0.190	0.160		0.141	0.163	0.153	0.152	14.38
78) Phenanthrene	1.123	1.052	1.225	1.128	1.182	1.087	1.089	1.071	1.120	5.23
79) Anthracene	1.054	1.050	1.252	1.139	1.035	1.081	1.102	1.092	1.101	6.34
80) Carbazole	0.983	0.973	1.146	1.046	0.970	0.977	1.014	0.977	1.011	5.99
81) Di-n-butylph	1.062	1.085	1.419	1.269	1.140	1.170	1.253	1.185	1.198	9.61
82) Fluoranthene	1.096	1.104	1.414	1.195	1.240	1.205	1.259	1.202	1.214	8.20
83) Octadecane	0.447	0.411	0.529	0.501	0.468	0.457	0.471	0.456	0.468	7.59
84) I	Chrysene-d12				ISTD					
85) Benzidine	0.692	0.811	0.730		0.936	0.855	0.821	0.807	10.84	
86) Pyrene	1.179	1.372	1.449	1.343	1.278	1.688	1.452	1.499	1.407	10.91
87) Terphenyl-d1	0.818	1.018	1.070	0.984	0.874	1.041	1.067	1.088	0.995	9.91
88) Butylbenzylp	0.432	0.475	0.629	0.565	0.449	0.545	0.630	0.614	0.542	14.95
89) Benzo[a]anth	1.313	1.206	1.465	1.337	1.343	1.225	1.321	1.194	1.301	6.92
90) 3,3'-Dichlor	0.444	0.392	0.578	0.497	0.441	0.442	0.499	0.422	0.464	12.55
91) Chrysene	1.233	1.165	1.391	1.258	1.267	1.189	1.280	1.248	1.254	5.41
92) bis(2-Ethylh	0.773	0.765	0.965	0.869	0.735	0.801	0.884	0.836	0.828	9.13
93) I	Perylene-d12				ISTD					
94) Di-n-octylph	1.215	0.938		1.395	1.003	1.083	1.359	1.263	1.179	14.92
95) Benzo[b]fluo	1.213	1.144	1.423	1.230	1.159	1.196	1.292	1.250	1.238	7.15

8.8.1

8

Initial Calibration Summary

Job Number: JE1300 **Sample:** E4P3698-ICC3698
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 4P693995.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

```
 96) Benzo[k]fluo 1.144 1.096 1.360 1.213 1.088 1.183 1.149 1.159 1.174   7.30
 97) Benzo[a]pyre 0.998 0.977 1.213 1.020 1.075 1.036 1.071 0.985 1.047   7.31
 98) Indeno[1,2,3 1.370 1.311 1.657 1.339 1.404 1.399 1.358 1.313 1.394   8.03
 99) Dibenz(a,h)a 0.881 0.848 1.079 0.949 0.930 0.891 0.943 0.698 0.903  11.92
100) Dibenz[a,h]a 1.136 1.037 1.366 1.086 1.143 1.131 1.093 1.053 1.130   9.08
101) 7,12-Dimethy 0.499 0.463 0.607 0.516 0.468 0.486 0.530 0.501 0.509   8.99
102) Benzo[g,h,i] 1.048 1.024 1.189 0.890 1.106 1.059 0.924 1.202 1.055  10.60

103) I   1,4-Dichlorobenzene-d ----------------ISTD---------------------
104) Benzaldehyde 1.189 1.187 1.391 1.135 1.458 1.025 1.225 1.102 1.214  11.92

105) I   Acenaphthene-d10a     ----------------ISTD---------------------
106) Atrazine     0.159 0.155 0.189 0.188       0.163 0.177 0.181 0.173   8.12

107) I   Chrysene-d12a         ----------------ISTD---------------------
108) 1-chloroocta 0.298 0.310 0.336 0.341 0.349 0.315 0.328 0.328 0.326   5.18

109) I   Phenanthrene-d10a     ----------------ISTD---------------------
110) o-terphenyl  0.509 0.529 0.575 0.614 0.626 0.572 0.536 0.562 0.565   7.18

111) I   Naphthalene-d8a       ----------------ISTD---------------------
112) Caprolactam  0.156 0.162 0.173 0.165 0.199 0.160 0.169 0.162 0.168   7.95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 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           M4P3698.M         Mon Dec 02 10:57:30 2024
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8.8.1

8

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: E4P3698-ICV3698
Lab FileID: 4P694011.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\e4p3698\4p694011.D Vial: 18
Acq On : 27 Nov 2024 8:19 pm Operator: rocquans
Sample : icv3698-50 Inst : GCMS4P
Misc : op55645,e4p3698,1000,,,1,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\M4P3698.M (RTE Integrator)
Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
Last Update : Mon Dec 02 10:20:50 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00	4.58
2	t	1,4-Dioxane	0.543	0.537	1.1	105	0.00	2.68
6	t	Indene	2.255	2.310	-2.4	106	0.00	4.75
7	t	Cumene	2.471	2.779	-12.5	118	0.00	4.09
11	t	bis(2-Chloroethyl)ether	1.193	1.244	-4.3	110	0.00	4.41
13	t	Decane	1.527	1.541	-0.9	104	0.00	4.47
14	t	1,3-Dichlorobenzene	1.561	1.644	-5.3	111	0.00	4.55
15	t	1,4-Dichlorobenzene	1.586	1.644	-3.7	109	0.00	4.60
16	t	Benzyl alcohol	0.849	0.834	1.8	97	0.00	4.67
17	t	1,2-Dichlorobenzene	1.507	1.472	2.3	103	0.00	4.69
18	t	Acetophenone	1.919	1.849	3.6	99	0.00	4.83
20	t	2,2'-oxybis(1-Chloropropa	0.349	0.361	-3.4	106	0.00	4.74
23	t	Hexachloroethane	0.583	0.593	-1.7	107	0.00	4.90
24	I	Naphthalene-d8	1.000	1.000	0.0	107	0.00	5.38
26	t	Nitrobenzene	0.376	0.346	8.0	95	0.00	4.94
27	t	Quinoline	0.677	0.705	-4.1	107	-0.01	5.60
28	t	Isophorone	0.662	0.648	2.1	99	0.00	5.08
32	t	bis(2-Chloroethoxy)methan	0.405	0.395	2.5	100	0.00	5.21
35	t	1,3,5-Trichlorobenzene	0.373	0.368	1.3	106	0.00	5.14
36	t	1,2,4-Trichlorobenzene	0.344	0.371	-7.8	113	0.00	5.34
37	t	1,2,3-Trichlorobenzene	0.336	0.363	-8.0	111	0.00	5.48
38	t	Naphthalene	1.046	1.090	-4.2	110	0.00	5.39
40	t	2,3-Dichloroaniline	0.342	0.353	-3.2	105	0.00	6.03
42	t	Hexachlorobutadiene	0.215	0.229	-6.5	113	0.00	5.46
44	t	2-Methylnaphthalene	0.633	0.654	-3.3	109	0.00	5.84
45	t	1-Methylnaphthalene	0.672	0.694	-3.3	105	0.00	5.91
46	I	Acenaphthene-d10	1.000	1.000	0.0	102	0.00	6.62
47	t	Hexachlorocyclopentadiene	0.387	0.474	-22.5	116	0.00	5.94
48		1,2,4,5-Tetrachlorobenzen	0.638	0.710	-11.3	108	0.00	5.95

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: E4P3698-ICV3698
Lab FileID: 4P694011.D

52	t	2-Chloronaphthalene	1.148	1.246	-8.5	106	0.00	6.19
53	t	Biphenyl	1.519	1.647	-8.4	106	0.00	6.17
55	t	Dimethylphthalate	1.318	1.376	-4.4	103	0.00	6.39
56	t	Acenaphthylene	1.631	1.806	-10.7	107	0.00	6.50
57	t	2,6-Dinitrotoluene	0.266	0.281	-5.6	98	0.00	6.44
59	t	Acenaphthene	1.246	1.370	-10.0	108	0.00	6.64
62	t	Dibenzofuran	1.693	1.869	-10.4	109	0.00	6.78
63	t	2,4-Dinitrotoluene	0.374	0.413	-10.4	102	0.00	6.77
65	t	Diethylphthalate	1.305	1.365	-4.6	104	-0.01	6.96
66	t	Fluorene	1.350	1.489	-10.3	107	0.00	7.08
67	t	4-Chlorophenyl-phenylethe	0.651	0.728	-11.8	110	0.00	7.07
69	I	Phenanthrene-d10	1.000	1.000	0.0	111	0.00	7.97
72		Pentachloronitrobenzene	0.038	0.041#	-7.9	115	0.00	7.79
73	t	1,2-Diphenylhydrazine	0.713	0.675	5.3	102	0.00	7.21
75	t	4-Bromophenyl-phenylether	0.222	0.232	-4.5	116	0.00	7.52
76	t	Hexachlorobenzene	0.234	0.240	-2.6	115	0.00	7.59
78	t	Phenanthrene	1.120	1.104	1.4	109	0.00	7.99
79	t	Anthracene	1.101	1.130	-2.6	111	0.00	8.05
80	t	Carbazole	1.011	1.028	-1.7	110	0.00	8.22
81	t	Di-n-butylphthalate	1.198	1.257	-4.9	110	0.00	8.59
82	t	Fluoranthene	1.214	1.233	-1.6	115	0.00	9.28
83	t	Octadecane	0.468	0.476	-1.7	106	0.00	7.85
84	I	Chrysene-d12	1.000	1.000	0.0	112	0.00	10.95
86	t	Pyrene	1.407	1.463	-4.0	122	0.00	9.54
88	t	Butylbenzylphthalate	0.542	0.586	-8.1	116	0.00	10.32
89	t	Benzo[a]anthracene	1.301	1.401	-7.7	117	0.00	10.94
91	t	Chrysene	1.254	1.372	-9.4	122	0.00	10.98
92	t	bis(2-Ethylhexyl)phthalat	0.828	0.898	-8.5	116	0.00	11.02
93	I	Perylene-d12	1.000	1.000	0.0	120	0.00	12.54
94	t	Di-n-octylphthalate	1.179	1.462	-24.0	125	0.00	11.76
95	t	Benzo[b]fluoranthene	1.238	1.385	-11.9	135	0.00	12.15
96	t	Benzo[k]fluoranthene	1.174	1.198	-2.0	118	0.00	12.18
97	t	Benzo[a]pyrene	1.047	1.125	-7.4	132	0.00	12.49
98	t	Indeno[1,2,3-cd]pyrene	1.394	1.517	-8.8	136	0.00	13.78
99	t	Dibenz(a,h)acridine	0.903	0.998	-10.5	126	0.00	13.50
100	t	Dibenz[a,h]anthracene	1.130	1.257	-11.2	139	0.00	13.81
101	t	7,12-Dimethylbenz(a)anthr	0.509	0.506	0.6	117	0.00	12.14
102	t	Benzo[g,h,i]perylene	1.055	1.188	-12.6	160	0.00	14.14

(#) = Out of Range SPCC's out = 0 CCC's out = 0

8.8.2

8

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: E4P3698-ICV3698
Lab FileID: 4P694011.D

4p693995.D M4P3698.M Mon Dec 02 10:33:20 2024

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: E4P3698-ICV3698
Lab FileID: 4P694012.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\e4p3698\4p694012.D Vial: 19
Acq On : 27 Nov 2024 8:42 pm Operator: rocquans
Sample : icv3698-50 Inst : GCMS4P
Misc : op55645,e4p3698,1000,,,1,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\M4P3698.M (RTE Integrator)
Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
Last Update : Mon Dec 02 10:20:50 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	118	0.00	4.59
9	t	Phenol	1.608	1.606	0.1	120	0.00	4.35
12	t	2-Chlorophenol	1.305	1.325	-1.5	117	0.00	4.45
19	t	2-Methylphenol	1.209	1.202	0.6	115	0.00	4.73
21	t	3&4-Methylphenol	1.278	1.294	-1.3	116	0.00	4.83
24	I	Naphthalene-d8	1.000	1.000	0.0	123	0.00	5.38
29	t	2-Nitrophenol	0.181	0.180	0.6	115	0.00	5.14
30	t	2,4-Dimethylphenol	0.357	0.353	1.1	117	0.00	5.15
31	t	Benzoic acid	0.231	0.243	-5.2	119	0.00	5.22
33	t	2,4-Dichlorophenol	0.307	0.304	1.0	118	0.00	5.28
34	t	2,6-Dichlorophenol	0.297	0.301	-1.3	120	0.00	5.42
41	t	Hydroquinone	0.291	0.342	-17.5	132	-0.04	5.63
43	t	4-Chloro-3-methylphenol	0.286	0.292	-2.1	117	-0.01	5.72
46	I	Acenaphthene-d10	1.000	1.000	0.0	123	0.00	6.62
49	t	2,4,6-Trichlorophenol	0.390	0.409	-4.9	121	0.00	6.03
50	t	2,4,5-Trichlorophenol	0.417	0.433	-3.8	122	0.00	6.06
		----------	True	Calc.	% Drift	----------		
60	t	2,4-Dinitrophenol	100.000	98.277	1.7	115	-0.01	6.66
		----------	AvgRF	CCRF	% Dev	----------		
61	t	4-Nitrophenol	0.160	0.166	-3.8	119	0.00	6.71
64	t	2,3,4,6-Tetrachlorophenol	0.348	0.368	-5.7	121	0.00	6.88
69	I	Phenanthrene-d10	1.000	1.000	0.0	129	0.00	7.97

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: E4P3698-ICV3698
Lab FileID: 4P694012.D

			True	Calc.	% Drift			
70	t	4,6-Dinitro-2-methylpheno	50.000	47.983	4.0	120	0.00	7.12
77	t	Pentachlorophenol	0.152	0.155	-2.0	124	0.00	7.78

(#) = Out of Range SPCC's out = 0 CCC's out = 0
4p693995.D M4P3698.M Mon Dec 02 10:33:22 2024

8.8.3

8

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: E4P3698-ICV3698
Lab FileID: 4P694013.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\e4p3698\4p694013.D Vial: 20
Acq On : 27 Nov 2024 9:05 pm Operator: rocquans
Sample : icv3698-50 Inst : GCMS4P
Misc : op55645,e4p3698,1000,,,1,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\M4P3698.M (RTE Integrator)
Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
Last Update : Mon Dec 02 10:20:50 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	125	0.00	4.59
3	t	Pyridine	1.272	1.304	-2.5	123	0.00	2.92
4	t	N-Nitrosodimethylamine	0.624	0.600	3.8	115	0.00	2.89
10	t	Aniline	1.952	2.031	-4.0	131	0.00	4.38
22	t	n-Nitroso-di-n-propylamin	0.960	0.976	-1.7	121	0.00	4.83
24	I	Naphthalene-d8	1.000	1.000	0.0	130	0.00	5.38
39	t	4-Chloroaniline	0.430	0.431	-0.2	126	0.00	5.42
46	I	Acenaphthene-d10	1.000	1.000	0.0	133	0.00	6.62
54	t	2-Nitroaniline	0.323	0.330	-2.2	124	0.00	6.26
58	t	3-Nitroaniline	0.304	0.318	-4.6	129	-0.01	6.58
68	t	4-Nitroaniline	0.295	0.308	-4.4	119	0.00	7.10
69	I	Phenanthrene-d10	1.000	1.000	0.0	133	0.00	7.97
		----------	AvgRF	CCRF	% Dev	----------		
71	t	n-Nitrosodiphenylamine	0.600	0.597	0.5	130	0.00	7.18
84	I	Chrysene-d12	1.000	1.000	0.0	134	-0.01	10.95
85		Benzidine	0.807	0.880	-9.0	161	0.00	9.44
90	t	3,3'-Dichlorobenzidine	0.464	0.504	-8.6	136	0.00	10.92

(#) = Out of Range SPCC's out = 0 CCC's out = 0
4p693995.D M4P3698.M Mon Dec 02 10:33:24 2024

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: E4P3698-ICV3698
Lab FileID: 4P694014.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\e4p3698\4p694014.D Vial: 21
Acq On : 27 Nov 2024 9:28 pm Operator: rocquans
Sample : icv3698-50 Inst : GCMS4P
Misc : op55645,e4p3698,1000,,,1,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\M4P3698.M (RTE Integrator)
Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
Last Update : Mon Dec 02 10:54:52 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
103 I	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	105	0.00	4.59
104 t	Benzaldehyde	1.214	1.090	10.2	101	0.00	4.31
105 I	Acenaphthene-d10a	1.000	1.000	0.0	103	0.00	6.62
106 t	Atrazine	0.173	0.183	-5.8	100	0.00	7.68
111 I	Naphthalene-d8a	1.000	1.000	0.0	107	0.00	5.38
112	Caprolactam	0.168	0.148	11.9	96	0.00	5.64

(#) = Out of Range SPCC's out = 0 CCC's out = 0
4p694008a.D M4P3698.M Mon Dec 02 10:57:42 2024

8.8.5

Continuing Calibration Summary

Job Number: JE1300 **Sample:** E4P3701-CC3698
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 4P694080.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : X:\Dayton SVOA GCMS\...eb\E4P3701\4p694080.d Vial: 2
Acq On : 4 Dec 2024 11:46 am Operator: anthonyo
Sample : cc3698-50 Inst : GCMS4P
Misc : op55645,e4p3701,1000,,,1,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : X:\Dayton SVOA G...ethods\M4P3698.M (RTE Integrator)
Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
Last Update : Wed Dec 04 18:40:45 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	171	0.00	4.59
2	t	1,4-Dioxane	0.543	0.550	-1.3	175	0.00	2.68
3	t	Pyridine	1.272	1.435	-12.8	185	0.00	2.92
4	t	N-Nitrosodimethylamine	0.624	0.669	-7.2	175	0.00	2.89
5	S	2-Fluorophenol	1.099	1.271	-15.7	200#	0.00	3.77
6	t	Indene	2.255	2.212	1.9	165	0.00	4.75
7	t	Cumene	2.471	2.732	-10.6	189	0.00	4.09
8	S	Phenol-d5	1.447	1.524	-5.3	180	0.00	4.36
9	t	Phenol	1.608	1.798	-11.8	195	0.00	4.37
10	t	Aniline	1.952	1.991	-2.0	175	0.00	4.38
11	t	bis(2-Chloroethyl)ether	1.193	1.215	-1.8	175	0.00	4.41
12	t	2-Chlorophenol	1.305	1.364	-4.5	175	0.00	4.46
13	t	Decane	1.527	1.543	-1.0	169	0.00	4.47
14	t	1,3-Dichlorobenzene	1.561	1.576	-1.0	174	0.00	4.55
15	t	1,4-Dichlorobenzene	1.586	1.570	1.0	170	0.00	4.60
16	t	Benzyl alcohol	0.849	0.897	-5.7	169	0.00	4.67
17	t	1,2-Dichlorobenzene	1.507	1.500	0.5	170	0.00	4.69
18	t	Acetophenone	1.919	1.835	4.4	160	0.00	4.84
19	t	2-Methylphenol	1.209	1.214	-0.4	168	0.00	4.74
20	t	2,2'-oxybis(1-Chloropropa	0.349	0.352	-0.9	168	0.00	4.75
21	t	3&4-Methylphenol	1.278	1.241	2.9	162	0.00	4.84
22	t	n-Nitroso-di-n-propylamin	0.960	0.910	5.2	154	0.00	4.83
23	t	Hexachloroethane	0.583	0.606	-3.9	178	0.00	4.90
24	I	Naphthalene-d8	1.000	1.000	0.0	167	0.00	5.38
25	S	Nitrobenzene-d5	0.354	0.369	-4.2	167	0.00	4.93
26	t	Nitrobenzene	0.376	0.388	-3.2	166	0.00	4.94
27	t	Quinoline	0.677	0.686	-1.3	162	0.00	5.62
28	t	Isophorone	0.662	0.670	-1.2	160	0.00	5.09
29	t	2-Nitrophenol	0.181	0.200	-10.5	174	0.00	5.14
30	t	2,4-Dimethylphenol	0.357	0.372	-4.2	168	0.00	5.16
31	t	Benzoic acid	0.231	0.234	-1.3	156	0.00	5.25
32	t	bis(2-Chloroethoxy)methan	0.405	0.420	-3.7	165	0.00	5.22
33	t	2,4-Dichlorophenol	0.307	0.321	-4.6	170	0.00	5.30
34	t	2,6-Dichlorophenol	0.297	0.312	-5.1	169	0.00	5.43
35	t	1,3,5-Trichlorobenzene	0.373	0.380	-1.9	172	0.00	5.15
36	t	1,2,4-Trichlorobenzene	0.344	0.354	-2.9	168	0.00	5.34
37	t	1,2,3-Trichlorobenzene	0.336	0.350	-4.2	168	0.00	5.48
38	t	Naphthalene	1.046	1.057	-1.1	167	0.00	5.40
39	t	4-Chloroaniline	0.430	0.424	1.4	160	0.00	5.42
40	t	2,3-Dichloroaniline	0.342	0.346	-1.2	161	0.00	6.04
41	t	Hydroquinone	0.291	0.264	9.3	139	0.00	5.65

Continuing Calibration Summary

Job Number: JE1300 **Sample:** E4P3701-CC3698
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 4P694080.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

42	t	Hexachlorobutadiene	0.215	0.219	-1.9	169	0.00	5.46
43	t	4-Chloro-3-methylphenol	0.286	0.307	-7.3	166	0.00	5.74
44	t	2-Methylnaphthalene	0.633	0.637	-0.6	167	0.00	5.85
45	t	1-Methylnaphthalene	0.672	0.669	0.4	158	0.00	5.92
46	I	Acenaphthene-d10	1.000	1.000	0.0	162	0.00	6.62
47	t	Hexachlorocyclopentadiene	0.387	0.415	-7.2	162	0.00	5.95
48		1,2,4,5-Tetrachlorobenzen	0.638	0.653	-2.4	158	0.00	5.96
49	t	2,4,6-Trichlorophenol	0.390	0.412	-5.6	161	0.00	6.04
50	t	2,4,5-Trichlorophenol	0.417	0.459	-10.1	170	0.00	6.08
51	S	2-Fluorobiphenyl	1.362	1.407	-3.3	162	0.00	6.10
52	t	2-Chloronaphthalene	1.148	1.206	-5.1	164	0.00	6.19
53	t	Biphenyl	1.519	1.597	-5.1	164	0.00	6.17
54	t	2-Nitroaniline	0.323	0.356	-10.2	164	0.00	6.27
55	t	Dimethylphthalate	1.318	1.383	-4.9	164	0.00	6.40
56	t	Acenaphthylene	1.631	1.709	-4.8	161	0.00	6.51
57	t	2,6-Dinitrotoluene	0.266	0.295	-10.9	164	0.00	6.45
58	t	3-Nitroaniline	0.304	0.310	-2.0	154	0.00	6.59
59	t	Acenaphthene	1.246	1.280	-2.7	161	0.00	6.65
			True	Calc.	% Drift			
60	t	2,4-Dinitrophenol	100.000	106.600	-6.6	168	0.00	6.68
			AvgRF	CCRF	% Dev			
61	t	4-Nitrophenol	0.160	0.155	3.1	146	0.00	6.73
62	t	Dibenzofuran	1.693	1.717	-1.4	159	0.00	6.79
63	t	2,4-Dinitrotoluene	0.374	0.411	-9.9	161	0.00	6.79
64	t	2,3,4,6-Tetrachlorophenol	0.348	0.363	-4.3	157	0.00	6.90
65	t	Diethylphthalate	1.305	1.333	-2.1	161	0.00	6.97
66	t	Fluorene	1.350	1.380	-2.2	158	0.00	7.09
67	t	4-Chlorophenyl-phenylethe	0.651	0.667	-2.5	161	0.00	7.07
68	t	4-Nitroaniline	0.295	0.309	-4.7	146	0.00	7.12
69	I	Phenanthrene-d10	1.000	1.000	0.0	157	0.00	7.98
			True	Calc.	% Drift			
70	t	4,6-Dinitro-2-methylpheno	50.000	52.239	-4.5	161	0.00	7.14
			AvgRF	CCRF	% Dev			
71	t	n-Nitrosodiphenylamine	0.600	0.618	-3.0	158	0.00	7.19
72		Pentachloronitrobenzene	0.038	0.043#	-13.2	174	0.00	7.81
73	t	1,2-Diphenylhydrazine	0.713	0.733	-2.8	157	0.00	7.22
74	S	2,4,6-Tribromophenol	0.101	0.110	-8.9	173	0.00	7.30
75	t	4-Bromophenyl-phenylether	0.222	0.237	-6.8	168	0.00	7.53
76	t	Hexachlorobenzene	0.234	0.247	-5.6	167	0.00	7.60
77	t	Pentachlorophenol	0.152	0.153	-0.7	150	0.00	7.80
78	t	Phenanthrene	1.120	1.121	-0.1	156	0.00	8.01
79	t	Anthracene	1.101	1.133	-2.9	157	0.00	8.06
80	t	Carbazole	1.011	1.036	-2.5	156	0.00	8.23
81	t	Di-n-butylphthalate	1.198	1.283	-7.1	159	0.00	8.60
82	t	Fluoranthene	1.214	1.290	-6.3	170	0.00	9.30
83	t	Octadecane	0.468	0.494	-5.6	155	0.00	7.85
84	I	Chrysene-d12	1.000	1.000	0.0	173	0.01	10.97
85		Benzidine	0.807	0.586	27.4#	139	0.00	9.46
86	t	Pyrene	1.407	1.353	3.8	174	0.00	9.55
87	S	Terphenyl-d14	0.995	0.998	-0.3	175	0.00	9.74
88	t	Butylbenzylphthalate	0.542	0.586	-8.1	179	0.00	10.33
89	t	Benzo[a]anthracene	1.301	1.313	-0.9	169	0.00	10.96
90	t	3,3'-Dichlorobenzidine	0.464	0.507	-9.3	176	0.00	10.94

Continuing Calibration Summary

Job Number: JE1300 **Sample:** E4P3701-CC3698
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 4P694080.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

91	t	Chrysene	1.254	1.266	-1.0	174	0.00	11.01
92	t	bis(2-Ethylhexyl)phthalat	0.828	0.875	-5.7	174	0.00	11.02
93	I	Perylene-d12	1.000	1.000	0.0	184	0.00	12.57
94	t	Di-n-octylphthalate	1.179	1.354	-14.8	178	0.00	11.77
95	t	Benzo[b]fluoranthene	1.238	1.217	1.7	182	0.00	12.18
96	t	Benzo[k]fluoranthene	1.174	1.172	0.2	177	0.00	12.20
97	t	Benzo[a]pyrene	1.047	1.078	-3.0	194	0.00	12.51
98	t	Indeno[1,2,3-cd]pyrene	1.394	1.495	-7.2	205#	0.00	13.83
99	t	Dibenz(a,h)acridine	0.903	0.998	-10.5	193	0.00	13.53
100	t	Dibenz[a,h]anthracene	1.130	1.204	-6.5	204#	0.00	13.85
101	t	7,12-Dimethylbenz(a)anthr	0.509	0.498	2.2	177	0.00	12.16
102	t	Benzo[g,h,i]perylene	1.055	1.140	-8.1	235#	0.00	14.19

(#) = Out of Range SPCC's out = 0 CCC's out = 0
4p694081.d M4P3698.M Wed Dec 04 18:47:54 2024

8.8.6

8

Continuing Calibration Summary

Job Number: JE1300 **Sample:** E4P3701-CC3698
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 4P694081.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : X:\Dayton SVOA GCMS\...eb\E4P3701\4p694081.d Vial: 3
Acq On : 4 Dec 2024 12:10 pm Operator: anthonyo
Sample : cc3698-50 Inst : GCMS4P
Misc : op55645,e4p3701,1000,,,1,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : X:\Dayton SVOA G...ethods\M4P3698.M (RTE Integrator)
Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
Last Update : Wed Dec 04 18:40:45 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
103	I	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	117	0.00	4.59
104	t	Benzaldehyde	1.214	1.163	4.2	120	0.00	4.32
105	I	Acenaphthene-d10a	1.000	1.000	0.0	112	0.00	6.62
106	t	Atrazine	0.173	0.191	-10.4	113	0.00	7.69
107	I	Chrysene-d12a	1.000	1.000	0.0	107	0.00	10.96
108	s	1-chlorooctadecane	0.326	0.365	-12.0	115	0.00	9.17
109	I	Phenanthrene-d10a	1.000	1.000	0.0	111	0.00	7.98
110	s	o-terphenyl	0.565	0.617	-9.2	111	0.00	8.37
111	I	Naphthalene-d8a	1.000	1.000	0.0	116	0.00	5.38
112		Caprolactam	0.168	0.167	0.6	117	0.00	5.65

(#) = Out of Range SPCC's out = 0 CCC's out = 0
4p694081.d M4P3698.M Wed Dec 04 18:47:57 2024

8.8.7

Continuing Calibration Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: E4P3701-CC3698
Lab FileID: 4P694082.D

Low Level Verification Report

Data File : X:\Dayton SVOA GCMS\...eb\E4P3701\4p694082.d Vial: 4
Acq On : 4 Dec 2024 12:34 pm Operator: anthonyo
Sample : cc3698-10 Inst : GCMS4P
Misc : op55645,e4p3701,1000,,,1,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : X:\Dayton SVOA G...ethods\M4P3698.M (RTE Integrator)
Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
Last Update : Wed Dec 04 18:51:58 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 100% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
84 I	Chrysene-d12	1.000	1.000	0.0	201#	-0.01	10.96
85	Benzidine	0.807	0.375	53.5	80	0.00	9.46

(#) = Out of Range SPCC's out = 0 CCC's out = 0
4p694006a.D M4P3698.M Wed Dec 04 18:55:36 2024

8.8.8

Continuing Calibration Summary

Job Number: JE1300 **Sample:** E4P3706-CC3698
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 4P694225.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : X:\Dayton SVOA GCMS\...ll\e4p3706\4p694225.d Vial: 2
Acq On : 10 Dec 2024 9:09 am Operator: kaleigh
Sample : cc3698-50 Inst : GCMS4P
Misc : op59987,e4p3706,1000,,,1,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : X:\Dayton SVOA G...4p3706\M4P3698.M (RTE Integrator)
Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
Last Update : Mon Dec 02 10:54:52 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	123	0.00	4.57
2	t	1,4-Dioxane	0.543	0.554	-2.0	126	0.00	2.63
3	t	Pyridine	1.272	1.530	-20.3#	141	0.00	2.87
4	t	N-Nitrosodimethylamine	0.624	0.748	-19.9	140	0.00	2.84
5	S	2-Fluorophenol	1.099	1.267	-15.3	143	0.00	3.75
6	t	Indene	2.255	2.370	-5.1	127	0.00	4.73
7	t	Cumene	2.471	2.708	-9.6	134	0.00	4.07
8	S	Phenol-d5	1.447	1.578	-9.1	134	0.01	4.34
9	t	Phenol	1.608	1.819	-13.1	141	0.00	4.35
10	t	Aniline	1.952	2.050	-5.0	130	0.00	4.36
11	t	bis(2-Chloroethyl)ether	1.193	1.202	-0.8	124	0.00	4.40
12	t	2-Chlorophenol	1.305	1.376	-5.4	127	0.00	4.44
13	t	Decane	1.527	1.562	-2.3	123	0.00	4.45
14	t	1,3-Dichlorobenzene	1.561	1.581	-1.3	125	0.00	4.53
15	t	1,4-Dichlorobenzene	1.586	1.606	-1.3	125	0.00	4.58
16	t	Benzyl alcohol	0.849	0.913	-7.5	123	0.00	4.65
17	t	1,2-Dichlorobenzene	1.507	1.521	-0.9	124	0.00	4.68
18	t	Acetophenone	1.919	2.053	-7.0	128	0.00	4.82
19	t	2-Methylphenol	1.209	1.299	-7.4	129	0.00	4.72
20	t	2,2'-oxybis(1-Chloropropa	0.349	0.371	-6.3	127	0.00	4.72
21	t	3&4-Methylphenol	1.278	1.373	-7.4	129	0.00	4.82
22	t	n-Nitroso-di-n-propylamin	0.960	1.046	-9.0	127	0.00	4.81
23	t	Hexachloroethane	0.583	0.589	-1.0	124	0.00	4.88
24	I	Naphthalene-d8	1.000	1.000	0.0	122	0.00	5.37
25	S	Nitrobenzene-d5	0.354	0.370	-4.5	122	0.00	4.92
26	t	Nitrobenzene	0.376	0.386	-2.7	121	0.00	4.93
27	t	Quinoline	0.677	0.707	-4.4	122	0.00	5.60
28	t	Isophorone	0.662	0.694	-4.8	121	0.00	5.08
29	t	2-Nitrophenol	0.181	0.203	-12.2	130	0.00	5.12
30	t	2,4-Dimethylphenol	0.357	0.369	-3.4	122	0.00	5.15
31	t	Benzoic acid	0.231	0.255	-10.4	124	0.03	5.24
32	t	bis(2-Chloroethoxy)methan	0.405	0.423	-4.4	122	0.00	5.20
33	t	2,4-Dichlorophenol	0.307	0.330	-7.5	128	0.00	5.28
34	t	2,6-Dichlorophenol	0.297	0.325	-9.4	129	0.00	5.41
35	t	1,3,5-Trichlorobenzene	0.373	0.381	-2.1	126	0.00	5.13
36	t	1,2,4-Trichlorobenzene	0.344	0.359	-4.4	125	0.00	5.33
37	t	1,2,3-Trichlorobenzene	0.336	0.351	-4.5	123	0.00	5.47
38	t	Naphthalene	1.046	1.060	-1.3	123	0.00	5.38
39	t	4-Chloroaniline	0.430	0.455	-5.8	125	0.00	5.41
40	t	2,3-Dichloroaniline	0.342	0.372	-8.8	127	0.00	6.02
41	t	Hydroquinone	0.291	0.316	-8.6	121	0.01	5.66

Continuing Calibration Summary

Job Number: JE1300 **Sample:** E4P3706-CC3698
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 4P694225.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

42	t	Hexachlorobutadiene	0.215	0.217	-0.9	123	0.00	5.45
43	t	4-Chloro-3-methylphenol	0.286	0.305	-6.6	121	0.00	5.72
44	t	2-Methylnaphthalene	0.633	0.657	-3.8	125	0.00	5.82
45	t	1-Methylnaphthalene	0.672	0.701	-4.3	121	0.00	5.89
46	I	Acenaphthene-d10	1.000	1.000	0.0	124	0.00	6.60
47	t	Hexachlorocyclopentadiene	0.387	0.328	15.2	98	0.00	5.93
48		1,2,4,5-Tetrachlorobenzen	0.638	0.672	-5.3	125	0.00	5.94
49	t	2,4,6-Trichlorophenol	0.390	0.418	-7.2	125	0.00	6.03
50	t	2,4,5-Trichlorophenol	0.417	0.450	-7.9	127	0.01	6.06
51	S	2-Fluorobiphenyl	1.362	1.383	-1.5	122	0.00	6.08
52	t	2-Chloronaphthalene	1.148	1.184	-3.1	123	0.00	6.17
53	t	Biphenyl	1.519	1.578	-3.9	124	0.00	6.15
54	t	2-Nitroaniline	0.323	0.350	-8.4	123	0.00	6.25
55	t	Dimethylphthalate	1.318	1.370	-3.9	124	0.00	6.38
56	t	Acenaphthylene	1.631	1.688	-3.5	122	0.00	6.49
57	t	2,6-Dinitrotoluene	0.266	0.288	-8.3	122	0.00	6.43
58	t	3-Nitroaniline	0.304	0.330	-8.6	125	0.01	6.58
59	t	Acenaphthene	1.246	1.301	-4.4	125	0.00	6.63
			True	Calc.	% Drift			
60	t	2,4-Dinitrophenol	100.000	104.334	-4.3	125	0.00	6.67
			AvgRF	CCRF	% Dev			
61	t	4-Nitrophenol	0.160	0.152	5.0	110	0.02	6.72
62	t	Dibenzofuran	1.693	1.793	-5.9	127	0.00	6.77
63	t	2,4-Dinitrotoluene	0.374	0.425	-13.6	127	0.00	6.76
64	t	2,3,4,6-Tetrachlorophenol	0.348	0.365	-4.9	121	0.01	6.88
65	t	Diethylphthalate	1.305	1.365	-4.6	126	0.00	6.95
66	t	Fluorene	1.350	1.435	-6.3	126	0.00	7.06
67	t	4-Chlorophenyl-phenylethe	0.651	0.681	-4.6	125	0.00	7.05
68	t	4-Nitroaniline	0.295	0.326	-10.5	118	0.01	7.10
69	I	Phenanthrene-d10	1.000	1.000	0.0	125	0.01	7.96
			True	Calc.	% Drift			
70	t	4,6-Dinitro-2-methylpheno	50.000	51.313	-2.6	125	0.01	7.12
			AvgRF	CCRF	% Dev			
71	t	n-Nitrosodiphenylamine	0.600	0.624	-4.0	127	0.00	7.17
72		Pentachloronitrobenzene	0.038	0.044#	-15.8	141	0.00	7.78
73	t	1,2-Diphenylhydrazine	0.713	0.740	-3.8	125	0.00	7.20
74	S	2,4,6-Tribromophenol	0.101	0.107	-5.9	133	0.00	7.28
75	t	4-Bromophenyl-phenylether	0.222	0.236	-6.3	133	0.00	7.51
76	t	Hexachlorobenzene	0.234	0.246	-5.1	131	0.00	7.58
77	t	Pentachlorophenol	0.152	0.148	2.6	115	0.00	7.77
78	t	Phenanthrene	1.120	1.135	-1.3	125	0.00	7.98
79	t	Anthracene	1.101	1.159	-5.3	127	0.00	8.04
80	t	Carbazole	1.011	1.067	-5.5	127	0.01	8.21
81	t	Di-n-butylphthalate	1.198	1.310	-9.3	129	0.00	8.58
82	t	Fluoranthene	1.214	1.317	-8.5	137	0.01	9.27
83	t	Octadecane	0.468	0.486	-3.8	121	0.00	7.83
84	I	Chrysene-d12	1.000	1.000	0.0	154	0.01	10.95
85		Benzidine	0.807	0.601	25.5#	127	0.00	9.43
86	t	Pyrene	1.407	1.241	11.8	143	0.00	9.53
87	S	Terphenyl-d14	0.995	0.919	7.6	144	0.00	9.72
88	t	Butylbenzylphthalate	0.542	0.577	-6.5	158	0.00	10.30
89	t	Benzo[a]anthracene	1.301	1.321	-1.5	152	0.01	10.93
90	t	3,3'-Dichlorobenzidine	0.464	0.510	-9.9	158	0.01	10.92

Continuing Calibration Summary

Job Number: JE1300 **Sample:** E4P3706-CC3698
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 4P694225.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

91	t	Chrysene	1.254	1.256	-0.2	154	0.02	10.98
92	t	bis(2-Ethylhexyl)phthalat	0.828	0.866	-4.6	154	0.00	11.00
93	I	Perylene-d12	1.000	1.000	0.0	154	0.00	12.55
94	t	Di-n-octylphthalate	1.179	1.395	-18.3	154	-0.01	11.74
95	t	Benzo[b]fluoranthene	1.238	1.320	-6.6	166	0.00	12.15
96	t	Benzo[k]fluoranthene	1.174	1.151	2.0	147	0.00	12.18
97	t	Benzo[a]pyrene	1.047	1.099	-5.0	166	0.00	12.49
98	t	Indeno[1,2,3-cd]pyrene	1.394	1.467	-5.2	169	0.02	13.80
99	t	Dibenz(a,h)acridine	0.903	0.906	-0.3	147	0.01	13.50
100	t	Dibenz[a,h]anthracene	1.130	1.175	-4.0	167	0.00	13.81
101	t	7,12-Dimethylbenz(a)anthr	0.509	0.525	-3.1	157	0.00	12.14
102	t	Benzo[g,h,i]perylene	1.055	1.025	2.8	178	0.02	14.15

(#) = Out of Range SPCC's out = 0 CCC's out = 0
4p694008a.D M4P3698.M Tue Dec 10 16:40:06 2024

8.8.9

8

Continuing Calibration Summary

Job Number: JE1300 **Sample:** E4P3706-CC3698
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 4P694226.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : X:\Dayton SVOA GCMS\...ll\e4p3706\4p694226.d Vial: 3
Acq On : 10 Dec 2024 9:32 am Operator: kaleigh
Sample : cc3698-50 Inst : GCMS4P
Misc : op59987,e4p3706,1000,,,1,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : X:\Dayton SVOA G...4p3706\M4P3698.M (RTE Integrator)
Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
Last Update : Mon Dec 02 10:54:52 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
103	I	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	86	0.00	4.56
104	t	Benzaldehyde	1.214	1.107	8.8	83	0.00	4.29
105	I	Acenaphthene-d10a	1.000	1.000	0.0	82	0.00	6.59
106	t	Atrazine	0.173	0.184	-6.4	80	0.00	7.67
107	I	Chrysene-d12a	1.000	1.000	0.0	87	0.00	10.94
108	s	1-chlorooctadecane	0.326	0.328	-0.6	83	0.00	9.14
109	I	Phenanthrene-d10a	1.000	1.000	0.0	81	0.00	7.95
110	s	o-terphenyl	0.565	0.612	-8.3	81	0.00	8.35
111	I	Naphthalene-d8a	1.000	1.000	0.0	85	0.00	5.37
112		Caprolactam	0.168	0.170	-1.2	87	0.00	5.63

(#) = Out of Range SPCC's out = 0 CCC's out = 0
4p694008a.D M4P3698.M Tue Dec 10 16:40:11 2024

8.8.10

8

Continuing Calibration Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: E4P3706-CC3698
Lab FileID: 4P694227.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton SVOA GCMS\...ll\e4p3706\4p694227.d Vial: 4
Acq On : 10 Dec 2024 9:56 am Operator: kaleigh
Sample : cc3698-10 Inst : GCMS4P
Misc : op59987,e4p3706,1000,,,1,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : X:\Dayton SVOA G...4p3706\M4P3698.M (RTE Integrator)
Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
Last Update : Tue Dec 10 16:56:40 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 100% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
84 I	Chrysene-d12	1.000	1.000	0.0	166	0.00	10.94
85	Benzidine	0.807	0.527	34.7	93	0.00	9.43

(#) = Out of Range SPCC's out = 0 CCC's out = 0
4p694006a.D M4P3698.M Tue Dec 10 17:05:37 2024

8.8.11

8

Initial Calibration Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: E6P4255-ICC4255
Lab FileID: 6P517492.D

Response Factor Report GCMS6P

Method : C:\MSDCHEM\1\METHODS\M6P4255.M (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msplus30m x .25mm x .25um
Last Update : Fri Sep 13 10:20:42 2024
Response via : Initial Calibration

Calibration Files
2 =6p517488.D 5 =6p517489.D 25 =6p517491.D 80 =6p517493.D
100 =6p517494.D 50 =6p517492.D 1 =6p517487.D 10 =6p517490.D

Compound	2	5	25	80	100	50	1	10	Avg	%RSD
103) 1,4-Dichlorobenzene-d	ISTD									
104) Benzaldehyde	1.408	1.404	1.276	1.431	1.589	1.239	1.878	1.438	1.458	13.74
105) Phenanthrene-d10a	ISTD									
106) Atrazine	0.084	0.085	0.097	0.093	0.099	0.095	0.097	0.090	0.092	5.95
107) I Naphthalene-d8a	ISTD									
108) Caprolactam	0.186	0.212	0.211	0.223	0.242	0.206	0.263	0.214	0.220	10.70
114) Phenanthrene-d10b	ISTD									
115) 1-chloroocta	0.411	0.438	0.480	0.482	0.495	0.481	0.452	0.443	0.460	6.24
116) o-terphenyl	0.524	0.529	0.565	0.555	0.583	0.548	0.607	0.530	0.555	5.26

(#) = Out of Range ### Number of calibration levels exceeded format ###

M6P4255.M Fri Sep 13 16:08:24 2024

8.8.12

8

Initial Calibration Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: E6P4256-ICC4256
Lab FileID: 6P517500.D

Response Factor Report GCMS6P

Method : C:\MSDCHEM\1\METHODS\M6P4256.M (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msplus30m x .25mm x .25um
Last Update : Mon Sep 30 12:25:03 2024
Response via : Initial Calibration

Calibration Files
2 =6p517502.D 5 =6p517510.D 25 =6p517511.D 80 =6p517512.D
100 =6p517705.D 50 =6p517500.D 1 =6p517509.D 10 =6p517504.D

Compound	2	5	25	80	100	50	1	10	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	ISTD									
2) 1,4-Dioxane	0.614	0.632	0.635	0.590	0.616	0.600	0.612	0.595	0.612	2.64
3) Pyridine	1.523	1.693	1.874	1.754	1.828	1.766	1.601	1.682	1.715	6.73
4) N-Nitrosodim	0.799	0.888	1.025	0.997	1.032	0.968	0.842	0.915	0.933	9.26
5) 2-Fluorophen	1.286	1.290	1.378	1.358	1.426	1.333	1.234	1.308	1.327	4.54
6) Indene	2.254	2.386	2.540	2.406	2.550	2.419	2.265	2.344	2.395	4.60
7) Cumene	2.769	2.899	3.193	2.984	3.120	2.970	2.969	2.931	2.979	4.37
8) Phenol-d5	1.600	1.659	1.845	1.796	1.843	1.763	1.801	1.679	1.748	5.22
9) Phenol	1.761	1.858	2.026	1.989	2.069	1.983	1.723	1.877	1.911	6.60
10) Aniline	2.265	2.360	2.567	2.409	2.420	2.427	2.179	2.378	2.376	4.87
11) bis(2-Chloro	1.461	1.499	1.599	1.533	1.596	1.518	1.489	1.499	1.524	3.27
12) 2-Chlorophen	1.311	1.393	1.511	1.459	1.516	1.443	1.312	1.391	1.417	5.64
13) Decane	2.138	2.210	2.317	2.186	2.291	2.190	2.173	2.169	2.209	2.82
14) 1,3-Dichloro	1.453	1.539	1.592	1.487	1.584	1.502	1.500	1.496	1.519	3.20
15) 1,4-Dichloro	1.490	1.523	1.591	1.546	1.609	1.534	1.522	1.518	1.542	2.58
16) Benzyl alcoh	0.926	0.889	1.028	0.988	1.035	0.964	0.995	0.927	0.969	5.36
17) 1,2-Dichloro	1.374	1.468	1.540	1.460	1.542	1.439	1.410	1.433	1.458	4.03
18) Acetophenone	2.131	2.149	2.308	2.206	2.255	2.171	2.207	2.102	2.191	3.08
19) 2-Methylphen	1.260	1.276	1.414	1.367	1.404	1.362	1.259	1.315	1.332	4.76
20) 2,2'-oxybis(	0.443	0.443	0.473	0.447	0.463	0.440	0.418	0.418	0.443	4.30
21) 3&4-Methylph	1.304	1.375	1.512	1.470	1.512	1.436	1.268	1.374	1.406	6.52
22) n-Nitroso-di	1.137	1.176	1.280	1.231	1.253	1.207	1.231	1.178	1.212	3.86
23) Hexachloroet	0.478	0.486	0.526	0.518	0.541	0.515	0.543	0.494	0.513	4.78
24) I Naphthalene-d8	ISTD									
25) Nitrobenzene	0.362	0.359	0.416	0.407	0.434	0.416	0.365	0.383	0.393	7.40
26) Nitrobenzene	0.368	0.360	0.425	0.413	0.437	0.422	0.329	0.375	0.391	9.78
27) Quinoline	0.635	0.678	0.715	0.667	0.695	0.686	0.682	0.683	0.680	3.38
28) Isophorone	0.715	0.748	0.818	0.761	0.804	0.779	0.727	0.756	0.763	4.67
29) 2-Nitropheno	0.129	0.109	0.153	0.166	0.177	0.167		0.134	0.148	16.72
30) 2,4-Dimethyl	0.340	0.361	0.383	0.364	0.386	0.370	0.326	0.350	0.360	5.69
31) Benzoic acid		0.135	0.217	0.257	0.269	0.274		0.193	0.224	24.03
---- Quadratic regression ---- Coefficient = 0.9975										
Response Ratio = -0.01722 + 0.26258 *A + 0.00489 *A^2										
32) bis(2-Chloro	0.435	0.453	0.484	0.456	0.483	0.466	0.450	0.450	0.460	3.75
33) 2,4-Dichloro	0.242	0.254	0.289	0.272	0.286	0.276	0.272	0.264	0.270	5.89
34) 2,6-Dichloro	0.255	0.264	0.286	0.270	0.285	0.275	0.252	0.269	0.270	4.63
35) 1,3,5-Trichl	0.302	0.311	0.330	0.313	0.335	0.315	0.302	0.311	0.315	3.81
36) 1,2,4-Trichl	0.288	0.295	0.316	0.294	0.313	0.298	0.316	0.294	0.302	3.72
37) 1,2,3-Trichl	0.276	0.285	0.308	0.285	0.302	0.293	0.285	0.288	0.290	3.57
38) Naphthalene	0.972	1.026	1.118	1.022	1.094	1.048	1.022	1.035	1.042	4.37
39) 4-Chloroanil	0.409	0.446	0.464	0.436	0.454	0.446	0.415	0.435	0.438	4.31
40) 2,3-Dichloro	0.276	0.314	0.333	0.314	0.332	0.315	0.286	0.303	0.309	6.47
41) Hydroquinone		0.292	0.312	0.238	0.252	0.305		0.286	0.281	10.51
42) Hexachlorobu	0.157	0.167	0.177	0.165	0.179	0.172	0.182	0.167	0.171	4.89

Initial Calibration Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: E6P4256-ICC4256
Lab FileID: 6P517500.D

43)	4-Chloro-3-m	0.269	0.283	0.318	0.299	0.317	0.306	0.269	0.288	0.294	6.61
44)	2-Methylnaph	0.560	0.585	0.651	0.611	0.639	0.617	0.592	0.610	0.608	4.81
45)	1-Methylnaph	0.544	0.585	0.620	0.583	0.608	0.583	0.557	0.583	0.583	4.21
46)	I Acenaphthene-d10	----------ISTD----------									
47)	Hexachlorocy	0.249	0.244	0.303	0.294	0.301	0.328	0.247	0.273	0.280	11.20
48)	1,2,4,5-tetr	0.521	0.549	0.576	0.547	0.582	0.555	0.570	0.526	0.553	4.02
49)	2,4,6-Trichl	0.307	0.334	0.372	0.370	0.387	0.380	0.298	0.365	0.352	9.69
50)	2,4,5-Trichl	0.315	0.345	0.411	0.391	0.417	0.391	0.286	0.345	0.363	13.02
51)	2-Fluorobiph	1.237	1.261	1.368	1.293	1.380	1.311	1.296	1.303	1.306	3.71
52)	2-Chloronaph	1.081	1.106	1.220	1.117	1.190	1.146	1.118	1.145	1.141	4.02
53)	Biphenyl	1.443	1.482	1.587	1.518	1.590	1.533	1.444	1.502	1.512	3.75
54)	2-Nitroanili	0.271	0.383	0.411	0.434	0.409	0.324	0.372	16.73		
55)	Dimethylphth	1.197	1.314	1.404	1.313	1.402	1.355	1.290	1.318	1.324	5.03
56)	Acenaphthyle	1.391	1.454	1.614	1.506	1.585	1.551	1.385	1.497	1.498	5.64
57)	2,6-Dinitrot	0.166	0.168	0.254	0.262	0.278	0.267	0.171	0.215	0.223	21.73
	---- Quadratic regression ---- Coefficient = 0.9983										
	Response Ratio = -0.00322 + 0.24003 *A + 0.01509 *A^2										
58)	3-Nitroanili	0.233	0.231	0.319	0.320	0.338	0.321	0.263	0.289	15.73	
59)	Acenaphthene	1.151	1.250	1.324	1.248	1.324	1.266	1.181	1.245	1.249	4.85
60)	2,4-Dinitrop	0.063	0.071	0.116	0.153	0.163	0.150	0.096	0.116	35.27	
	---- Quadratic regression ---- Coefficient = 0.9977										
	Response Ratio = -0.00821 + 0.11790 *A + 0.00961 *A^2										
61)	4-Nitropheno	0.134	0.132	0.177	0.181	0.194	0.189	0.153	0.166	15.44	
62)	Dibenzofuran	1.545	1.602	1.729	1.610	1.731	1.673	1.609	1.635	1.642	3.96
63)	2,4-Dinitrot	0.225	0.232	0.349	0.371	0.392	0.368	0.169	0.290	0.299	27.66
	---- Quadratic regression ---- Coefficient = 0.9989										
	Response Ratio = -0.00546 + 0.32877 *A + 0.02563 *A^2										
64)	2,3,4,6-Tetr	0.270	0.267	0.321	0.324	0.340	0.329	0.244	0.301	0.299	11.68
65)	Diethylphtha	1.231	1.283	1.428	1.354	1.431	1.377	1.266	1.323	1.337	5.53
66)	Fluorene	1.228	1.286	1.405	1.343	1.415	1.345	1.302	1.337	1.333	4.61
67)	4-Chlorophen	0.578	0.611	0.644	0.614	0.647	0.626	0.637	0.613	0.621	3.66
68)	4-Nitroanili	0.256	0.264	0.340	0.341	0.357	0.350	0.295	0.315	13.47	
69)	I Phenanthrene-d10	----------ISTD----------									
70)	4,6-Dinitro-	0.055	0.087	0.106	0.118	0.107	0.072	0.091	26.28		
	---- Quadratic regression ---- Coefficient = 0.9981										
	Response Ratio = -0.00522 + 0.09282 *A + 0.01007 *A^2										
71)	n-Nitrosodip	0.537	0.596	0.658	0.605	0.655	0.621	0.568	0.609	0.606	6.75
72)	1,2-Diphenyl	0.780	0.875	0.935	0.880	0.960	0.895	0.804	0.880	0.876	6.85
73)	pentachloron	0.041	0.032	0.043	0.042	0.046	0.043	0.038	0.041#	11.14	
74)	2,4,6-Tribro	0.109	0.109	0.130	0.124	0.133	0.128	0.095	0.118	0.118	10.96
75)	4-Bromopheny	0.182	0.209	0.219	0.200	0.216	0.203	0.185	0.207	0.203	6.61
76)	Hexachlorobe	0.224	0.246	0.265	0.247	0.264	0.249	0.251	0.239	0.248	5.38
77)	Pentachlorop	0.116	0.123	0.166	0.169	0.186	0.172	0.153	0.155	16.93	
78)	Phenanthrene	0.983	1.041	1.125	1.041	1.129	1.058	1.071	1.056	1.063	4.45
79)	Anthracene	0.989	1.057	1.104	1.053	1.133	1.085	1.011	1.055	1.061	4.43
80)	Carbazole	0.888	0.971	1.032	0.973	1.061	0.992	0.924	0.976	0.977	5.64
81)	Di-n-butylph	1.080	1.155	1.321	1.273	1.403	1.316	1.062	1.215	1.228	9.92
82)	Fluoranthene	1.041	1.128	1.213	1.163	1.272	1.202	1.113	1.133	1.158	6.12
83)	Octadecane	0.589	0.673	0.750	0.720	0.789	0.728	0.572	0.692	0.689	10.98
84)	I Chrysene-d12	----------ISTD----------									
85)	benzidine	0.638	0.604	0.844	0.732	0.721	0.881	0.778	0.743	13.63	
86)	Pyrene	1.289	1.332	1.414	1.312	1.433	1.366	1.298	1.336	1.347	3.93
87)	Terphenyl-d1	0.945	1.020	1.089	1.023	1.103	1.046	0.999	1.018	1.030	4.89

Initial Calibration Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: E6P4256-ICC4256
Lab FileID: 6P517500.D

88)	Butylbenzylp	0.482	0.481	0.611	0.601	0.676	0.631		0.553	0.576	12.92
89)	Benzo[a]anth	1.230	1.329	1.392	1.309	1.412	1.345	1.356	1.309	1.335	4.22
90)	3,3'-Dichlor	0.421	0.470	0.538	0.523	0.581	0.536	0.401	0.484	0.494	12.50
91)	Chrysene	1.212	1.254	1.327	1.228	1.342	1.264	1.292	1.240	1.270	3.68
92)	bis(2-Ethylh	0.736	0.792	0.954	0.929	1.039	0.956		0.879	0.898	11.61
93)	I Perylene-d12	----------	ISTD	----------							
94)	Di-n-octylph	1.019	1.066	1.342	1.345	1.498	1.379		1.211	1.266	13.77
95)	Benzo[b]fluo	1.191	1.163	1.338	1.284	1.356	1.252	1.191	1.172	1.243	6.12
96)	Benzo[k]fluo	1.025	1.165	1.134	1.044	1.201	1.139	1.128	1.131	1.121	5.24
97)	Benzo[a]pyre	0.894	0.964	1.060	1.011	1.105	1.013	0.910	0.967	0.991	7.22
98)	Indeno[1,2,3	1.200	1.314	1.466	1.402	1.513	1.428	1.303	1.320	1.368	7.47
99)	Dibenz(a,h)a	0.833	0.901	0.990	0.963	1.049	0.975	0.863	0.899	0.934	7.74
100)	Dibenz[a,h]a	1.023	1.100	1.191	1.138	1.238	1.158	1.027	1.090	1.120	6.76
101)	7,12-Dimethy	0.387	0.412	0.479	0.479	0.557	0.504	0.395	0.437	0.456	12.91
102)	Benzo[g,h,i]	0.940	1.021	1.099	1.036	1.125	1.058	1.106	1.013	1.050	5.76

(#) = Out of Range ### Number of calibration levels exceeded format ###

M6P4256.M Mon Sep 30 12:41:46 2024

8.8.13

8

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: E6P4256-ICV4256
Lab FileID: 6P517514.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\e6p4256\6p517514.D Vial: 11
Acq On : 13 Sep 2024 4:16 pm Operator: kaleigh
Sample : icv4256-50 Inst : GCMS6P
Misc : op56913,e6p4256,30.0,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M6P4256.M (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msplus30m x .25mm x .25um
Last Update : Mon Sep 16 14:51:18 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	110	0.00	4.60
9	t	Phenol	1.911	1.952	-2.1	109	0.00	4.38
12	t	2-Chlorophenol	1.417	1.458	-2.9	112	0.00	4.48
19	t	2-Methylphenol	1.332	1.327	0.4	108	0.00	4.71
21	t	3&4-Methylphenol	1.406	1.426	-1.4	110	0.00	4.80
24	I	Naphthalene-d8	1.000	1.000	0.0	113	0.00	5.30
29	t	2-Nitrophenol	0.148	0.157	-6.1	106	0.00	5.08
30	t	2,4-Dimethylphenol	0.360	0.362	-0.6	110	0.00	5.09
		----------	True	Calc.	% Drift	----------		
31	t	Benzoic acid	50.000	49.516	1.0	104	0.00	5.16
		----------	AvgRF	CCRF	% Dev	----------		
33	t	2,4-Dichlorophenol	0.270	0.273	-1.1	111	0.00	5.21
34	t	2,6-Dichlorophenol	0.270	0.276	-2.2	113	0.00	5.34
41	t	Hydroquinone	0.281	0.383	-36.3#	142	0.00	5.57
43	t	4-Chloro-3-methylphenol	0.294	0.308	-4.8	113	0.00	5.61
46	I	Acenaphthene-d10	1.000	1.000	0.0	113	0.00	6.42
49	t	2,4,6-Trichlorophenol	0.352	0.388	-10.2	116	0.00	5.90
50	t	2,4,5-Trichlorophenol	0.363	0.387	-6.6	112	0.00	5.92
		----------	True	Calc.	% Drift	----------		
60	t	2,4-Dinitrophenol	100.000	99.592	0.4	104	-0.01	6.45
		----------	AvgRF	CCRF	% Dev	----------		
61	t	4-Nitrophenol	0.166	0.174	-4.8	104	-0.01	6.48

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: E6P4256-ICV4256
Lab FileID: 6P517514.D

			AvgRF	CCRF	% Dev			
64		2,3,4,6-Tetrachlorophenol	0.299	0.335	-12.0	115	0.00	6.65
69	I	Phenanthrene-d10	1.000	1.000	0.0	114	0.00	7.59
			True	Calc.	% Drift			
70	t	4,6-Dinitro-2-methylpheno	50.000	47.314	5.4	101	-0.02	6.85
77	t	Pentachlorophenol	0.155	0.160	-3.2	107	0.00	7.42

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p517492a.D M6P4256.M Mon Sep 16 14:59:43 2024

8.8.14

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Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: E6P4256-ICV4256
Lab FileID: 6P517515.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\e6p4256\6p517515.D Vial: 12
Acq On : 13 Sep 2024 4:35 pm Operator: kaleigh
Sample : icv4256-50 Inst : GCMS6P
Misc : op56913,e6p4256,30.0,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M6P4256.M (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msplus30m x .25mm x .25um
Last Update : Fri Sep 13 17:19:01 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	116	0.00	4.60
3	t	Pyridine	1.715	1.729	-0.8	113	0.00	3.12
4	t	N-Nitrosodimethylamine	0.933	0.890	4.6	106	0.00	3.10
10		Aniline	2.376	2.400	-1.0	114	0.00	4.41
22	t	n-Nitroso-di-n-propylamin	1.212	1.181	2.6	113	-0.01	4.80
24	I	Naphthalene-d8	1.000	1.000	0.0	117	0.00	5.30
39	t	4-Chloroaniline	0.438	0.430	1.8	113	0.00	5.33
46	I	Acenaphthene-d10	1.000	1.000	0.0	118	0.00	6.42
54	t	2-Nitroaniline	0.372	0.370	0.5	107	0.00	6.10
		----------	AvgRF	CCRF	% Dev		----------	
58	t	3-Nitroaniline	0.289	0.310	-7.3	114	-0.01	6.38
68	t	4-Nitroaniline	0.315	0.315	0.0	106	-0.01	6.83
69	I	Phenanthrene-d10	1.000	1.000	0.0	118	0.00	7.59
		----------	AvgRF	CCRF	% Dev		----------	
71	t	n-Nitrosodiphenylamine	0.606	0.623	-2.8	119	0.00	6.91
84	I	Chrysene-d12	1.000	1.000	0.0	118	0.00	10.03
85		benzidine	0.743	0.803	-8.1	107	0.00	8.80
90	t	3,3'-Dichlorobenzidine	0.494	0.513	-3.8	113	0.00	10.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p517492a.D M6P4256.M Mon Sep 16 12:35:46 2024

8.8.15

8

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: E6P4256-ICV4255
Lab FileID: 6P517516.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\e6p4256\6p517516.D Vial: 13
Acq On : 13 Sep 2024 4:54 pm Operator: kaleigh
Sample : icv4255-50 Inst : GCMS6P
Misc : op56913,e6p4256,30.0,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M6P4256.M (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msplus30m x .25mm x .25um
Last Update : Fri Sep 13 17:19:01 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
103		1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	114	0.00	4.60
104		Benzaldehyde	1.458	1.250	14.3	115	0.00	4.36
105		Phenanthrene-d10a	1.000	1.000	0.0	114	0.00	7.58
106		Atrazine	0.092	0.095	-3.3	114	0.00	7.33
107	I	Naphthalene-d8a	1.000	1.000	0.0	114	0.00	5.30
108	T	Caprolactam	0.220	0.199	9.5	110	0.00	5.54

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p517492a.D M6P4256.M Mon Sep 16 12:55:03 2024

8.8.16

8

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: E6P4258-ICV4256
Lab FileID: 6P517522.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\e6p4258\6p517522.D Vial: 3
Acq On : 16 Sep 2024 11:29 am Operator: anthonyo
Sample : icv4256-50 Inst : GCMS6P
Misc : op56913,e6p4258,30.0,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M6P4256.M (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msplus30m x .25mm x .25um
Last Update : Mon Sep 30 12:25:03 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	92	0.00	4.59
2	t	1,4-Dioxane	0.612	0.591	3.4	91	-0.03	2.88
6	t	Indene	2.395	2.699	-12.7	103	0.00	4.73
7	t	Cumene	2.979	3.075	-3.2	95	-0.01	4.16
11	t	bis(2-Chloroethyl)ether	1.524	1.686	-10.6	102	0.00	4.44
13	t	Decane	2.209	2.303	-4.3	97	0.00	4.50
14	t	1,3-Dichlorobenzene	1.519	1.594	-4.9	98	0.00	4.56
15	t	1,4-Dichlorobenzene	1.542	1.629	-5.6	98	0.00	4.60
16	t	Benzyl alcohol	0.969	1.030	-6.3	98	0.00	4.66
17	t	1,2-Dichlorobenzene	1.458	1.536	-5.3	98	0.00	4.69
18	t	Acetophenone	2.191	2.366	-8.0	100	0.00	4.81
20	t	2,2'-oxybis(1-Chloropropa	0.443	0.472	-6.5	99	0.00	4.73
23	t	Hexachloroethane	0.513	0.534	-4.1	96	0.00	4.88
24	I	Naphthalene-d8	1.000	1.000	0.0	97	0.00	5.30
26	t	Nitrobenzene	0.391	0.376	3.8	87	0.00	4.90
27	t	Quinoline	0.680	0.730	-7.4	104	-0.02	5.51
28	t	Isophorone	0.763	0.823	-7.9	103	-0.01	5.03
		----------	AvgRF	CCRF	% Dev	----------		
32	t	bis(2-Chloroethoxy)methan	0.460	0.497	-8.0	104	0.00	5.14
35		1,3,5-Trichlorobenzene	0.315	0.326	-3.5	101	0.00	5.09
36	t	1,2,4-Trichlorobenzene	0.302	0.312	-3.3	102	0.00	5.27
37		1,2,3-Trichlorobenzene	0.290	0.312	-7.6	104	0.00	5.39
38	t	Naphthalene	1.042	1.108	-6.3	103	0.00	5.31
40	t	2,3-Dichloroaniline	0.309	0.344	-11.3	106	0.00	5.90
42	t	Hexachlorobutadiene	0.171	0.178	-4.1	101	0.00	5.38
44	t	2-Methylnaphthalene	0.608	0.665	-9.4	105	0.00	5.73
45	t	1-Methylnaphthalene	0.583	0.631	-8.2	105	0.00	5.79
46	I	Acenaphthene-d10	1.000	1.000	0.0	101	0.00	6.43
47	t	Hexachlorocyclopentadiene	0.280	0.343	-22.5	106	0.00	5.83

8.8.17

8

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: E6P4258-ICV4256
Lab FileID: 6P517522.D

48		1,2,4,5-tetrachlorobenzen	0.553	0.569	-2.9	104	0.00	5.83
52	t	2-Chloronaphthalene	1.141	1.222	-7.1	108	0.00	6.04
53	t	Biphenyl	1.512	1.613	-6.7	106	0.00	6.03
55	t	Dimethylphthalate	1.324	1.413	-6.7	105	0.00	6.22
56	t	Acenaphthylene	1.498	1.791	-19.6	117	0.00	6.33
		----------	True	Calc.	% Drift	----------		
57	t	2,6-Dinitrotoluene	50.000	45.765	8.5	88	0.00	6.27
		----------	AvgRF	CCRF	% Dev	----------		
59	t	Acenaphthene	1.249	1.356	-8.6	108	0.00	6.45
62	t	Dibenzofuran	1.642	1.771	-7.9	107	0.00	6.57
		----------	True	Calc.	% Drift	----------		
63	t	2,4-Dinitrotoluene	50.000	45.848	8.3	89	0.00	6.56
		----------	AvgRF	CCRF	% Dev	----------		
65	t	Diethylphthalate	1.337	1.457	-9.0	107	0.00	6.73
66	t	Fluorene	1.333	1.465	-9.9	110	0.00	6.83
67	t	4-Chlorophenyl-phenylethe	0.621	0.670	-7.9	108	0.00	6.82
69	I	Phenanthrene-d10	1.000	1.000	0.0	104	0.00	7.59
72	t	1,2-Diphenylhydrazine	0.876	0.949	-8.3	110	0.00	6.95
73		pentachloronitrobenzene	0.041	0.038#	7.3	91	0.00	7.44
75	t	4-Bromophenyl-phenylether	0.203	0.222	-9.4	114	0.00	7.21
76	t	Hexachlorobenzene	0.248	0.264	-6.5	111	0.00	7.27
78	t	Phenanthrene	1.063	1.149	-8.1	113	0.00	7.61
79	t	Anthracene	1.061	1.162	-9.5	112	0.00	7.66
80	t	Carbazole	0.977	1.068	-9.3	112	0.00	7.79
81	t	Di-n-butylphthalate	1.228	1.335	-8.7	106	0.00	8.10
82	t	Fluoranthene	1.158	1.286	-11.1	112	0.00	8.67
83	t	Octadecane	0.689	0.771	-11.9	110	0.00	7.49
84	I	Chrysene-d12	1.000	1.000	0.0	109	0.00	10.03
86	t	Pyrene	1.347	1.442	-7.1	115	0.00	8.88
88	t	Butylbenzylphthalate	0.576	0.586	-1.7	101	0.00	9.50
89	t	Benzo[a]anthracene	1.335	1.409	-5.5	114	0.00	10.02
91	t	Chrysene	1.270	1.353	-6.5	116	0.00	10.06
92	t	bis(2-Ethylhexyl)phthalat	0.898	0.900	-0.2	102	0.00	10.06
93	I	Perylene-d12	1.000	1.000	0.0	112	0.00	11.38
94	t	Di-n-octylphthalate	1.266	1.257	0.7	102	0.00	10.66
95	t	Benzo[b]fluoranthene	1.243	1.310	-5.4	117	0.00	11.02
96	t	Benzo[k]fluoranthene	1.121	1.231	-9.8	121	0.00	11.04
97	t	Benzo[a]pyrene	0.991	1.112	-12.2	123	0.00	11.33
98	t	Indeno[1,2,3-cd]pyrene	1.368	1.587	-16.0	125	0.00	12.58

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: E6P4258-ICV4256
Lab FileID: 6P517522.D

99	t	Dibenz(a,h)acridine	0.934	1.081	-15.7	124	0.00	12.29
100	t	Dibenz[a,h]anthracene	1.120	1.285	-14.7	124	0.00	12.60
101	t	7,12-Dimethylbenz(a)anthr	0.456	0.430	5.7	96	0.00	11.01
102	t	Benzo[g,h,i]perylene	1.050	1.206	-14.9	128	0.00	12.93

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p517492a.D M6P4256.M Mon Sep 30 12:41:12 2024

8.8.17

8

Continuing Calibration Summary

Job Number: JE1300 **Sample:** E6P4327-CC4256
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 6P519285.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : X:\Dayton SVOA GCMS\...am\e6p4327\6p519285.d Vial: 2
Acq On : 4 Dec 2024 3:16 pm Operator: anthonyo
Sample : cc4256-50 Inst : GCMS6P
Misc : op58051,e6p4327,30.0,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : X:\Dayton SVOA G...method\M6P4256.M (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msplus30m x .25mm x .25um
Last Update : Thu Dec 05 09:24:01 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	131	0.00	4.49
2	t	1,4-Dioxane	0.612	0.439	28.3#	96	0.00	2.41
3	t	Pyridine	1.715	1.319	23.1#	98	0.00	2.73
4	t	N-Nitrosodimethylamine	0.933	0.734	21.3#	99	0.00	2.70
5	S	2-Fluorophenol	1.327	1.200	9.6	118	0.00	3.72
6	t	Indene	2.395	2.434	-1.6	132	0.00	4.64
7	t	Cumene	2.979	2.880	3.3	127	0.00	4.01
8	S	Phenol-d5	1.748	1.602	8.4	119	0.00	4.29
9	t	Phenol	1.911	1.898	0.7	126	0.00	4.31
10		Aniline	2.376	1.993	16.1	108	0.00	4.31
11	t	bis(2-Chloroethyl)ether	1.524	1.340	12.1	116	0.00	4.33
12	t	2-Chlorophenol	1.417	1.420	-0.2	129	0.00	4.38
13	t	Decane	2.209	1.272	42.4#	76	0.00	4.38
14	t	1,3-Dichlorobenzene	1.519	1.530	-0.7	134	0.00	4.45
15	t	1,4-Dichlorobenzene	1.542	1.577	-2.3	135	0.00	4.50
16	t	Benzyl alcohol	0.969	0.894	7.7	122	0.00	4.58
17	t	1,2-Dichlorobenzene	1.458	1.508	-3.4	137	0.00	4.59
18	t	Acetophenone	2.191	2.055	6.2	124	0.00	4.73
19	t	2-Methylphenol	1.332	1.235	7.3	119	0.00	4.65
20	t	2,2'-oxybis(1-Chloropropa	0.443	0.416	6.1	124	0.00	4.64
21	t	3&4-Methylphenol	1.406	1.324	5.8	121	0.00	4.73
22	t	n-Nitroso-di-n-propylamin	1.212	1.024	15.5	111	0.00	4.72
23	t	Hexachloroethane	0.513	0.608	-18.5	155	0.00	4.78
24	I	Naphthalene-d8	1.000	1.000	0.0	123	0.00	5.21
25	S	Nitrobenzene-d5	0.393	0.391	0.5	116	0.00	4.81
26	t	Nitrobenzene	0.391	0.411	-5.1	120	0.00	4.82
27	t	Quinoline	0.680	0.665	2.2	119	0.00	5.43
28	t	Isophorone	0.763	0.702	8.0	111	0.00	4.96
29	t	2-Nitrophenol	0.148	0.205	-38.5#	151	0.00	5.01
30	t	2,4-Dimethylphenol	0.360	0.368	-2.2	123	0.00	5.02
		----------	True	Calc.	% Drift	----------		
31	t	Benzoic acid	50.000	51.265	-2.5	118	0.00	5.12
		----------	AvgRF	CCRF	% Dev	----------		
32	t	bis(2-Chloroethoxy)methan	0.460	0.425	7.6	112	0.00	5.06
33	t	2,4-Dichlorophenol	0.270	0.306	-13.3	137	0.00	5.15
34	t	2,6-Dichlorophenol	0.270	0.300	-11.1	134	0.00	5.27
35		1,3,5-Trichlorobenzene	0.315	0.368	-16.8	144	0.00	5.01
36	t	1,2,4-Trichlorobenzene	0.302	0.348	-15.2	144	0.00	5.18
37		1,2,3-Trichlorobenzene	0.290	0.343	-18.3	144	0.00	5.31

Continuing Calibration Summary

Job Number: JE1300 **Sample:** E6P4327-CC4256
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 6P519285.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

38	t	Naphthalene	1.042	1.056	-1.3	124	0.00	5.23
39	t	4-Chloroaniline	0.438	0.402	8.2	111	0.00	5.26
40	t	2,3-Dichloroaniline	0.309	0.347	-12.3	136	0.00	5.81
41	t	Hydroquinone	0.281	0.313	-11.4	126	0.00	5.46
42	t	Hexachlorobutadiene	0.171	0.230	-34.5#	165	0.00	5.28
43	t	4-Chloro-3-methylphenol	0.294	0.308	-4.8	124	0.00	5.54
44	t	2-Methylnaphthalene	0.608	0.650	-6.9	130	0.00	5.63
45	t	1-Methylnaphthalene	0.583	0.638	-9.4	135	0.00	5.69
46	I	Acenaphthene-d10	1.000	1.000	0.0	132	0.00	6.31
47	t	Hexachlorocyclopentadiene	0.280	0.122	56.4#	49#	0.00	5.72
48		1,2,4,5-tetrachlorobenzen	0.553	0.652	-17.9	155	0.00	5.73
49	t	2,4,6-Trichlorophenol	0.352	0.402	-14.2	139	0.00	5.81
50	t	2,4,5-Trichlorophenol	0.363	0.426	-17.4	144	0.00	5.85
51	S	2-Fluorobiphenyl	1.306	1.417	-8.5	142	0.00	5.85
52	t	2-Chloronaphthalene	1.141	1.196	-4.8	137	0.00	5.94
53	t	Biphenyl	1.512	1.594	-5.4	137	0.00	5.92
54	t	2-Nitroaniline	0.372	0.359	3.5	115	0.00	6.01
55	t	Dimethylphthalate	1.324	1.380	-4.2	134	0.00	6.10
56	t	Acenaphthylene	1.498	1.702	-13.6	144	0.00	6.21
			True	Calc.	% Drift			
57	t	2,6-Dinitrotoluene	50.000	58.540	-17.1	150	0.00	6.16
			AvgRF	CCRF	% Dev			
58	t	3-Nitroaniline	0.289	0.276	4.5	113	0.00	6.29
59	t	Acenaphthene	1.249	1.291	-3.4	134	0.00	6.33
			True	Calc.	% Drift			
60	t	2,4-Dinitrophenol	100.000	111.380	-11.4	138	0.00	6.38
			AvgRF	CCRF	% Dev			
61	t	4-Nitrophenol	0.166	0.131	21.1#	91	0.00	6.43
62	t	Dibenzofuran	1.642	1.753	-6.8	138	0.00	6.46
			True	Calc.	% Drift			
63	t	2,4-Dinitrotoluene	50.000	60.617	-21.2#	158	0.00	6.46
			AvgRF	CCRF	% Dev			
64		2,3,4,6-Tetrachlorophenol	0.299	0.298	0.3	119	0.00	6.55
65	t	Diethylphthalate	1.337	1.403	-4.9	134	0.00	6.59
66	t	Fluorene	1.333	1.427	-7.1	140	0.00	6.71
67	t	4-Chlorophenyl-phenylethe	0.621	0.701	-12.9	147	0.00	6.69
68	t	4-Nitroaniline	0.315	0.288	8.6	108	0.00	6.74
69	I	Phenanthrene-d10	1.000	1.000	0.0	129	0.00	7.46
			True	Calc.	% Drift			
70	t	4,6-Dinitro-2-methylpheno	50.000	59.460	-18.9	149	0.00	6.77
			AvgRF	CCRF	% Dev			
71	t	n-Nitrosodiphenylamine	0.606	0.656	-8.3	136	0.00	6.78
72	t	1,2-Diphenylhydrazine	0.876	0.783	10.6	113	0.00	6.81
73		pentachloronitrobenzene	0.041	0.056	-36.6#	169	0.00	7.32
74	S	2,4,6-Tribromophenol	0.118	0.154	-30.5#	156	0.00	6.89
75	t	4-Bromophenyl-phenylether	0.203	0.262	-29.1#	166	0.00	7.07
76	t	Hexachlorobenzene	0.248	0.310	-25.0#	161	0.00	7.15
77	t	Pentachlorophenol	0.155	0.107	31.0#	80	0.00	7.31
78	t	Phenanthrene	1.063	1.164	-9.5	142	0.00	7.48
79	t	Anthracene	1.061	1.192	-12.3	142	0.00	7.53

Continuing Calibration Summary

Job Number: JE1300 **Sample:** E6P4327-CC4256
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 6P519285.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

80	t	Carbazole	0.977	1.044	-6.9	136	0.00	7.67
81	t	Di-n-butylphthalate	1.228	1.310	-6.7	128	0.00	7.94
82	t	Fluoranthene	1.158	1.265	-9.2	136	0.00	8.55
83	t	Octadecane	0.689	0.475	31.1#	84	0.00	7.33
84	I	Chrysene-d12	1.000	1.000	0.0	136	0.00	9.92
85		benzidine	0.743	0.313	57.9#	49#	0.00	8.67
86	t	Pyrene	1.347	1.376	-2.2	137	0.00	8.76
87	S	Terphenyl-d14	1.030	1.116	-8.3	146	0.00	8.89
88	t	Butylbenzylphthalate	0.576	0.580	-0.7	125	0.00	9.35
89	t	Benzo[a]anthracene	1.335	1.353	-1.3	137	0.00	9.91
90	t	3,3'-Dichlorobenzidine	0.494	0.499	-1.0	127	0.00	9.87
91	t	Chrysene	1.270	1.278	-0.6	138	0.00	9.94
92	t	bis(2-Ethylhexyl)phthalat	0.898	0.890	0.9	127	0.00	9.90
93	I	Perylene-d12	1.000	1.000	0.0	128	0.00	11.25
94	t	Di-n-octylphthalate	1.266	1.283	-1.3	119	0.00	10.50
95	t	Benzo[b]fluoranthene	1.243	1.194	3.9	122	0.00	10.89
96	t	Benzo[k]fluoranthene	1.121	1.227	-9.5	138	0.00	10.92
97	t	Benzo[a]pyrene	0.991	1.106	-11.6	140	0.00	11.20
98	t	Indeno[1,2,3-cd]pyrene	1.368	1.583	-15.7	142	0.00	12.44
99	t	Dibenz(a,h)acridine	0.934	1.058	-13.3	139	0.00	12.14
100	t	Dibenz[a,h]anthracene	1.120	1.272	-13.6	141	0.00	12.44
101	t	7,12-Dimethylbenz(a)anthr	0.456	0.531	-16.4	135	0.00	10.87
102	t	Benzo[g,h,i]perylene	1.050	1.162	-10.7	141	0.00	12.78

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p519285.d M6P4256.M Thu Dec 05 09:24:17 2024

8.8.18

8

Continuing Calibration Summary

Job Number: JE1300 **Sample:** E6P4327-CC4256
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 6P519286.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Low Level Verification Report

Data File : X:\Dayton SVOA GCMS\...am\e6p4327\6p519286.d Vial: 3
Acq On : 4 Dec 2024 3:37 pm Operator: anthonyo
Sample : cc4256-5 Inst : GCMS6P
Misc : op58051,e6p4327,30.0,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : X:\Dayton SVOA G...method\M6P4256.M (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msplus30m x .25mm x .25um
Last Update : Thu Dec 05 02:46:59 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 100% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
46 I	Acenaphthene-d10	1.000	1.000	0.0	142	0.00	6.31
47 t	Hexachlorocyclopentadiene	0.280	0.008#	97.1	5#	0.00	5.72

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p517489a.D M6P4256.M Thu Dec 05 04:06:13 2024

8.8.19

8

Continuing Calibration Summary

Job Number: JE1300 **Sample:** E6P4327-CC4256
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 6P519287.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Low Level Verification Report

Data File : X:\Dayton SVOA GCMS\...am\e6p4327\6p519287.d Vial: 4
Acq On : 4 Dec 2024 3:57 pm Operator: anthonyo
Sample : cc4256-1 Inst : GCMS6P
Misc : op58051,e6p4327,30.0,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : X:\Dayton SVOA G...method\M6P4256.M (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msplus30m x .25mm x .25um
Last Update : Thu Dec 05 02:46:59 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 100% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	182	0.00	4.49
2	t	1,4-Dioxane	0.612	0.401	34.5	119	0.00	2.42
3	t	Pyridine	1.715	0.666	61.2	76	0.08	2.80
4	t	N-Nitrosodimethylamine	0.933	0.621	33.4	134	0.05	2.75
13	t	Decane	2.209	1.259	43.0	105	0.00	4.37
69	I	Phenanthrene-d10	1.000	1.000	0.0	174	0.00	7.46
77	t	Pentachlorophenol	0.155	0.059	61.9	0#	0.01	7.32
83	t	Octadecane	0.689	0.372	46.0	113	0.00	7.32
84	I	Chrysene-d12	1.000	1.000	0.0	165	0.00	9.91
85		benzidine	0.743	0.374	49.7	0#	0.01	8.68

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p517487a.D M6P4256.M Thu Dec 05 04:06:39 2024

8.8.20
8

Continuing Calibration Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: E6P4327-CC4256
Lab FileID: 6P519288.D

Low Level Verification Report

Data File : X:\Dayton SVOA GCMS\...am\e6p4327\6p519288.d Vial: 5
Acq On : 4 Dec 2024 4:18 pm Operator: anthonyo
Sample : cc4256-2 Inst : GCMS6P
Misc : op58051,e6p4327,30.0,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : X:\Dayton SVOA G...method\M6P4256.M (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msplus30m x .25mm x .25um
Last Update : Thu Dec 05 02:46:59 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 100% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
46	I	Acenaphthene-d10	1.000	1.000	0.0	154	0.00	6.31
61	t	4-Nitrophenol	0.166	0.123	25.9	141	0.03	6.46

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p517488a.D M6P4256.M Thu Dec 05 04:07:05 2024

8.8.21

8

Continuing Calibration Summary

Job Number: JE1300 **Sample:** E6P4327-CC4255
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 6P519290.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : X:\Dayton SVOA GCMS\...am\e6p4327\6p519290.d Vial: 6
Acq On : 4 Dec 2024 4:40 pm Operator: anthonyo
Sample : cc4255-50 Inst : GCMS6P
Misc : op58051,e6p4327,30.0,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : X:\Dayton SVOA G...method\M6P4256.M (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msplus30m x .25mm x .25um
Last Update : Thu Dec 05 02:46:59 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
103		1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	135	0.00	4.49
104		Benzaldehyde	1.458	1.179	19.1	128	0.00	4.24
105		Phenanthrene-d10a	1.000	1.000	0.0	130	0.00	7.46
106		Atrazine	0.092	0.114	-23.9#	156	0.00	7.20
107	I	Naphthalene-d8a	1.000	1.000	0.0	127	0.00	5.21
108	T	Caprolactam	0.220	0.139	36.8#	85	0.00	5.47
114		Phenanthrene-d10b	1.000	1.000	0.0	130	0.00	7.46
115	s	1-chlorooctadecane	0.460	0.317	31.1#	86	0.00	8.40
116	s	o-terphenyl	0.555	0.695	-25.2#	164	0.00	7.77

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p519290.d M6P4256.M Thu Dec 05 02:47:28 2024

8.8.22
8

Continuing Calibration Summary

Job Number: JE1300 **Sample:** E6P4327-CC4255
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 6P519291.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Low Level Verification Report

Data File : X:\Dayton SVOA GCMS\...am\e6p4327\6p519291.d Vial: 7
Acq On : 4 Dec 2024 5:00 pm Operator: anthonyo
Sample : cc4255-2 Inst : GCMS6P
Misc : op58051,e6p4327,30.0,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : X:\Dayton SVOA G...method\M6P4256.M (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msplus30m x .25mm x .25um
Last Update : Thu Dec 05 02:46:59 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 100% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
107	I	Naphthalene-d8a	1.000	1.000	0.0	164	0.00	5.21
108	T	Caprolactam	0.220	0.124	43.6	109	0.00	5.47
114		Phenanthrene-d10b	1.000	1.000	0.0	166	0.00	7.46
115	s	1-chlorooctadecane	0.460	0.268	41.7	108	0.00	8.40

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p517488a.D M6P4256.M Thu Dec 05 04:07:08 2024

8.8.23

8

Initial Calibration Summary

Job Number: JE1300 **Sample:** EF9895-ICC9895
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** F222678.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Response Factor Report GCMSF

Method : C:\MSDCHEM\1\METHODS\MF9895.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Oct 30 14:42:20 2024
Response via : Initial Calibration

Calibration Files
2 =F222674.D 5 =F222675.D 25 =F222677.D 80 =F222679.D
100 =F222680.D 50 =F222678.D 10 =F222676.D 1 =F222673.D

Compound	2	5	25	80	100	50	10	1	Avg	%RSD
102) I 1,4-Dichlorobenzene-d	ISTD									
103) 2-Picoline	1.267	1.295	1.370	1.305	1.303	1.300	1.276	1.102	1.277	6.04
104) Pentachloroe	0.574	0.519	0.579	0.547	0.546	0.538	0.528	0.533	0.545	3.88
105) Methyl metha	0.621	0.678	0.654	0.612	0.615	0.614	0.631	0.556	0.623	5.72
106) N-Nitrosodie	0.529	0.528	0.534	0.515	0.518	0.507	0.483	0.482	0.512	3.96
107) N-Nitrosomet	0.775	0.833	0.684	0.604	0.589	0.587	0.689		0.680	14.10
108) Ethyl methan	0.858	0.858	0.869	0.818	0.831	0.828	0.799	0.725	0.823	5.61
109) N-Nitrosopyr	0.550	0.621	0.601	0.592	0.582	0.575	0.560	0.468	0.569	8.17
110) N-Nitrosomor	0.844	0.808	0.728	0.653	0.637	0.658	0.706	0.657	0.711	10.88
111) o-Toluidine	1.660	1.986	1.746	1.580	1.540	1.594	1.785	1.665	1.695	8.50
112) I Naphthalene-d8A	ISTD									
113) O,O,O-Trieth	0.161	0.168	0.173	0.170	0.170	0.168	0.156	0.169	0.167	3.33
114) N-Nitrosopip	0.242	0.236	0.222	0.198	0.196	0.206	0.218	0.210	0.216	7.81
115) A,A-Dimethyl		0.538	0.689	0.645	0.651	0.641	0.587		0.625	8.61
116) Hexachloropr	0.202	0.197	0.215	0.228	0.232	0.218	0.205	0.165	0.208	10.17
117) N-Nitrosodi-	0.249	0.204	0.207	0.193	0.196	0.192	0.186	0.233	0.208	10.77
118) p-Phenylened		0.140	0.107	0.099	0.105	0.084	0.121		0.109	17.77
119) Safrole	0.230	0.228	0.256	0.238	0.247	0.237	0.225	0.243	0.238	4.34
120) Isosafrole	0.177	0.175	0.174	0.167	0.170	0.165	0.153	0.147	0.166	6.54
121) Acenaphthene-d10A	ISTD									
122) Thionazin	0.163	0.167	0.173	0.165	0.165	0.163	0.157	0.143	0.162	5.45
123) Tetraethyl d	0.149	0.164	0.165	0.168	0.168	0.164	0.153	0.130	0.158	8.16
124) Phorate		0.115	0.146	0.193	0.196	0.167	0.113		0.155	23.75
----- Quadratic regression ----- Coefficient = 0.9989										
Response Ratio = -0.00526 + 0.14102 *A + 0.02434 *A^2										
125) Phenacetin	0.573	0.570	0.620	0.596	0.586	0.594	0.572	0.473	0.573	7.64
126) 1,4-Naphthoq	0.359	0.375	0.389	0.348	0.332	0.355	0.351	0.402	0.364	6.34
127) m-Dinitroben		0.092	0.128	0.156	0.165	0.143	0.097		0.130	23.23
----- Quadratic regression ----- Coefficient = 0.9996										
Response Ratio = -0.00543 + 0.12504 *A + 0.01680 *A^2										
128) Pentachlorob	0.536	0.566	0.550	0.551	0.543	0.536	0.518	0.511	0.539	3.33
129) 2-Naphthylam	1.067	1.064	1.108	1.020	0.975	1.024	1.056	1.021	1.042	3.87
130) 1-Naphthylam	0.945	1.014	1.079	1.007	0.985	0.991	1.011	0.921	0.994	4.79
131) 5-Nitro-o-to		0.234	0.314	0.341	0.340	0.329	0.255		0.302	15.24
132) I Phenanthrene-d10A	ISTD									
133) Disulfoton	0.304	0.376	0.314	0.284	0.281	0.284	0.317	0.285	0.306	10.40
134) Dinoseb		0.070	0.097	0.130	0.137	0.113	0.070		0.103	28.14
----- Quadratic regression ----- Coefficient = 0.9994										
Response Ratio = -0.00414 + 0.09192 *A + 0.01913 *A^2										

Initial Calibration Summary

Job Number: JE1300 **Sample:** EF9895-ICC9895
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** F222678.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

```
135) Dimethoate   0.190 0.202 0.223 0.202 0.194 0.210 0.202 0.188 0.201   5.64
136) 4-Aminobiphe 0.611 0.689 0.772 0.764 0.760 0.753 0.671 0.651 0.709   8.67
137) Methyl parat       0.095 0.135 0.146 0.141 0.140 0.105       0.127  16.81
138) Parathion          0.077 0.102 0.110 0.112 0.109 0.081       0.099  15.73
139) Diphenylamin 0.537 0.543 0.570 0.554 0.548 0.542 0.517 0.523 0.542   3.12
140) Isodrin      0.109 0.111 0.117 0.114 0.111 0.112 0.107 0.103 0.111   3.92
141) Diallate     0.175 0.188 0.186 0.174 0.167 0.169 0.180 0.204 0.180   6.75
142) Pentachloron 0.027 0.026 0.034 0.036 0.036 0.034 0.030 0.027 0.031# 13.10
143) Pronamide    0.307 0.298 0.325 0.314 0.315 0.308 0.304 0.279 0.306   4.49
144) 4-Nitroquino       0.036 0.068 0.084 0.087 0.077 0.042       0.066  33.35
          ----- Quadratic regression -----                Coefficient =  0.9991
               Response Ratio = -0.02164 + 0.07075 *A + 0.00193 *A^2

145) Methapyrilin       0.394 0.249 0.200 0.169 0.239 0.352       0.267  32.93
          ----- Quadratic regression -----                Coefficient =  0.9958
               Response Ratio = 0.01723 + 0.27033 *A + -0.04199 *A^2

146) sym-Trinitro       0.021 0.029 0.040 0.043 0.035 0.020       0.032# 30.73
          ----- Quadratic regression -----                Coefficient =  0.9994
               Response Ratio = -0.00122 + 0.02695 *A + 0.00685 *A^2


147) I   Chrysene-d12A         ----------------ISTD---------------------
148) Aramite      0.087 0.085 0.109 0.114 0.113 0.109 0.093 0.074 0.098  15.70
149) p-(Dimethyla 0.251 0.274 0.293 0.285 0.283 0.284 0.268 0.246 0.273   6.20
150) Kepone       0.082 0.097 0.093 0.076 0.071 0.079 0.094 0.070 0.083  13.02
151) Famphur      0.471 0.470 0.434 0.288 0.255 0.336 0.444       0.385  23.49
          ----- Quadratic regression -----                Coefficient =  0.9980
               Response Ratio = 0.01140 + 0.45634 *A + -0.01382 *A^2

152) 2-Acetylamin 0.388 0.424 0.480 0.493 0.496 0.479 0.428       0.455   9.19
153) Chlorobenzil 0.255 0.277 0.318 0.323 0.323 0.313 0.277 0.254 0.292  10.28

154) I   Perylene-d12A         ----------------ISTD---------------------
155) Hexachloroph       0.023 0.055 0.073 0.076 0.066 0.034       0.054  39.74
          ----- Quadratic regression -----                Coefficient =  0.9992
               Response Ratio = -0.02663 + 0.05920 *A + 0.00157 *A^2

156) 3-Methylchol 0.202 0.213 0.239 0.239 0.240 0.232 0.220 0.177 0.220  10.19

157) I   1,4-Dichlorobenzene-d ----------------ISTD---------------------
158) Benzaldehyde 1.183 1.099 1.016 1.109 1.258 1.051 1.143 1.302 1.145   8.59

159) I   Phenanthrene-d10b     ----------------ISTD---------------------
160) Atrazine     0.161 0.177 0.193 0.188 0.197 0.210 0.191 0.201 0.190   7.92

161) I   Naphthalene-d8b       ----------------ISTD---------------------
162) Caprolactam  0.100 0.146 0.134 0.138 0.156 0.139 0.146 0.145 0.138  12.11


180) Catechol                                                  0.000# -1.00
 ------------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          MF9895.M          Thu Oct 31 08:46:47 2024   RT1
```

8.8.24

8

Initial Calibration Verification

Job Number: JE1300 **Sample:** EF9895-ICV9895
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** F222689.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF9895\f222689.D Vial: 26
Acq On : 29 Oct 2024 7:33 pm Operator: jackleey
Sample : icv9895-50 Inst : GCMSF
Misc : op58797b,ef9895,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9895.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Oct 30 14:42:20 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102	I	1,4-Dichlorobenzene-d4A	1.000	1.000	0.0	111	0.00	4.79
103	M	2-Picoline	1.277	1.446	-13.2	123	0.02	3.51
104		Pentachloroethane	0.545	0.500	8.3	103	0.00	4.60
105	M	Methyl methanesulfonate	0.623	0.461	26.0	83	0.00	3.79
106	M	N-Nitrosodiethylamine	0.512	0.585	-14.3	128	0.01	4.06
107	M	N-Nitrosomethylethylamine	0.680	0.691	-1.6	130	0.01	3.58
108	M	Ethyl methanesulfonate	0.823	0.953	-15.8	127	0.00	4.26
109	M	N-Nitrosopyrrolidine	0.569	0.645	-13.4	124	0.00	5.05
110	M	N-Nitrosomorpholine	0.711	0.699	1.7	118	0.00	5.08
112	I	Naphthalene-d8A	1.000	1.000	0.0	110	0.00	5.68
113	M	O,O,O-Triethyl phosphorot	0.167	0.203	-21.6	132	0.00	5.48
114	M	N-Nitrosopiperidine	0.216	0.236	-9.3	125	0.00	5.29
115	M	A,A-Dimethylphenethylamin	0.625	0.691	-10.6	118	0.00	5.56
116	M	Hexachloropropene	0.208	0.248	-19.2	125	0.00	5.75
117	M	N-Nitrosodi-n-butylamine	0.208	0.249	-19.7	142	0.00	5.96
118		p-Phenylenediamine	0.109	0.177	-62.4#	232#	0.00	5.99
119	M	Safrole	0.238	0.280	-17.6	130	0.00	6.12
120		Isosafrole	0.166	0.282	-69.9#	187	0.00	6.53
121		Acenaphthene-d10A	1.000	1.000	0.0	111	0.00	7.07
122	M	Thionazin	0.162	0.185	-14.2	126	0.00	7.59
123	M	Tetraethyl dithiopyrophos	0.158	0.197	-24.7	134	0.00	7.93
		----------	True	Calc.	% Drift	----------		
124	M	Phorate	50.000	53.672	-7.3	122	0.00	8.03
		----------	AvgRF	CCRF	% Dev	----------		
125	M	Phenacetin	0.573	0.616	-7.5	116	0.00	8.11
126	M	1,4-Naphthoquinone	0.364	0.309	15.1	97	0.00	6.74
		----------	True	Calc.	% Drift	----------		
127	M	m-Dinitrobenzene	50.000	63.044	-26.1	145	0.00	6.85
		----------	AvgRF	CCRF	% Dev	----------		
128	M	Pentachlorobenzene	0.539	0.594	-10.2	124	0.00	7.23
131	M	5-Nitro-o-toluidine	0.302	0.359	-18.9	122	0.00	7.64
132	I	Phenanthrene-d10A	1.000	1.000	0.0	107	0.00	8.71

8.8.25
8

Initial Calibration Verification

Job Number: JE1300 **Sample:** EF9895-ICV9895
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** F222689.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

133	M	Disulfoton	0.306	0.355	-16.0	134	0.00	8.73
		----------	AvgRF	CCRF	% Dev	----------		
135	M	Dimethoate	0.201	0.206	-2.5	105	0.00	8.29
136	M	4-Aminobiphenyl	0.709	0.510	28.1	73	0.00	8.48
137	M	Methyl parathion	0.127	0.113	11.0	86	0.00	9.22
138	M	Parathion	0.099	0.128	-29.3	125	0.00	9.77
139	M	Diphenylamine	0.542	0.728	-43.3#	144	0.00	7.75
140	M	Isodrin	0.111	0.135	-21.6	129	0.00	10.15
141	M	Diallate	0.180	0.186	-3.3	118	0.00	8.07
142	M	Pentachloronitrobenzene	0.031	0.040	-29.0	126	0.00	8.48
143	M	Pronamide	0.306	0.365	-19.3	127	0.00	8.56
		----------	True	Calc.	% Drift	----------		
144	M	4-Nitroquinoline 1-oxide	200.000	258.496	-29.2	108	-0.01	9.78
145	M	Methapyriline	50.000	22.020	56.0#	55	0.00	9.93
146	M	sym-Trinitrobenzene	50.000	55.191	-10.4	121	0.00	8.03
		----------	AvgRF	CCRF	% Dev	----------		
147	I	Chrysene-d12A	1.000	1.000	0.0	94	0.00	12.55
148		Aramite	0.098	0.120	-22.4	103	0.00	11.12
149	M	p-(Dimethylamine)azobenze	0.273	0.344	-26.0	113	0.00	11.20
		----------	True	Calc.	% Drift	----------		
151	M	Famphur		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
152	M	2-Acetylaminofluorene	0.455	0.571	-25.5	111	0.00	12.10
154	I	Perylene-d12A	1.000	1.000	0.0	85	0.00	14.64
		----------	AvgRF	CCRF	% Dev	----------		
156		3-Methylcholanthrene	0.220	0.282	-28.2	103	0.00	15.04

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F222686A.D MF9895.M Wed Oct 30 15:29:15 2024 RT1

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EF9895-ICV9895
Lab FileID: F222690.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF9895\f222690.D Vial: 27
Acq On : 29 Oct 2024 7:55 pm Operator: jackleey
Sample : icv9895-50 Inst : GCMSF
Misc : op58797b,ef9895,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9895.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Oct 30 14:42:20 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
		AvgRF	CCRF	% Dev			
147 I	Chrysene-d12A	1.000	1.000	0.0	98	0.00	12.55
150	Kepone	0.083	0.096	-15.6	114	0.00	11.73
153 M	Chlorobenzilate	0.292	0.343	-17.5	107	0.00	11.29

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F222686A.D MF9895.M Wed Oct 30 15:29:17 2024 RT1

8.8.26

8

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EF9895-ICV9895
Lab FileID: F222691.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF9895\f222691.D Vial: 28
Acq On : 29 Oct 2024 8:18 pm Operator: jackleey
Sample : icv9895-50 Inst : GCMSF
Misc : op58797b,ef9895,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9895.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Oct 30 14:42:20 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
	AvgRF CCRF % Dev						
147 I	Chrysene-d12A	1.000	1.000	0.0	88	0.00	12.55
	True Calc. % Drift						
151 M	Famphur	300.000	359.334	-19.7	138	-0.02	11.67

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F222686A.D MF9895.M Wed Oct 30 15:29:19 2024 RT1

8.8.27

8

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EF9895-ICV9895
Lab FileID: F222692.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF9895\f222692.D Vial: 29
Acq On : 29 Oct 2024 8:41 pm Operator: jackleey
Sample : icv9895-50 Inst : GCMSF
Misc : op58797b,ef9895,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9895.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Oct 30 14:42:20 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102 I	1,4-Dichlorobenzene-d4A	1.000	1.000	0.0	95	0.00	4.79
111 M	o-Toluidine	1.695	1.889	-11.4	113	0.00	5.09
121	Acenaphthene-d10A	1.000	1.000	0.0	103	0.00	7.07
129 M	2-Naphthylamine	1.042	1.270	-21.9	127	0.00	7.43
130 M	1-Naphthylamine	0.994	1.172	-17.9	121	0.00	7.35

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F222686A.D MF9895.M Wed Oct 30 15:29:21 2024 RT1

8.8.28

8

Initial Calibration Verification

Job Number: JE1300 **Sample:** EF9895-ICV9895
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** F222695.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF9895\f222695.D Vial: 32
Acq On : 29 Oct 2024 9:49 pm Operator: jackleey
Sample : icv9895-50 Inst : GCMSF
Misc : op58797b,ef9895,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9895.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Oct 30 12:14:01 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
157	I	1,4-Dichlorobenzene-d4b	1.000	1.000	0.0	101	0.00	4.79
158		Benzaldehyde	1.145	0.972	15.1	93	0.00	4.49
159	I	Phenanthrene-d10b	1.000	1.000	0.0	104	0.00	8.70
160		Atrazine	0.190	0.190	0.0	94	0.00	8.37
161	I	Naphthalene-d8b	1.000	1.000	0.0	101	0.00	5.68
162		Caprolactam	0.138	0.132	4.3	96	0.00	5.97

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F222678A.D MF9895.M Wed Oct 30 12:16:25 2024 RT1

8.8.29

8

Initial Calibration Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EF9899-ICC9899
Lab FileID: F222739.D

Response Factor Report GCMSF

Method : C:\MSDCHEM\1\METHODS\MF9899.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Dec 06 10:48:19 2024
Response via : Initial Calibration

Calibration Files
2 =F222734.D 5 =F222735.D 25 =F222737.D 80 =F222738.D
100 =F222740.D 50 =F222739.D 10 =F222736.D 1 =F222733.D

Compound	2	5	25	80	100	50	10	1	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	ISTD									
2) 1,4-Dioxane	0.619	0.535	0.435	0.436	0.489	0.451	0.490	0.587	0.505	13.73
3) Pyridine	1.055	1.185	1.195	1.222	1.380	1.278	1.144	0.885	1.168	12.72
4) N-Nitrosodim	0.756	0.529	0.566	0.561	0.621	0.587	0.553	0.683	0.607	12.62
5) 2-Fluorophen	1.073	0.967	1.067	1.082	1.243	1.126	1.023	1.013	1.074	7.80
6) Indene	2.007	2.057	2.054	2.092	2.376	2.171	2.002	2.075	2.104	5.79
7) Cumene	2.329	2.245	2.204	2.261	2.547	2.333	2.238	2.246	2.300	4.75
8) Phenol-d5	1.118	1.222	1.246	1.293	1.461	1.326	1.251	1.073	1.249	9.66
9) Phenol	1.350	1.304	1.370	1.423	1.579	1.457	1.327	1.347	1.395	6.44
10) Aniline	1.742	1.673	1.755	1.766	1.977	1.825	1.680	1.736	1.769	5.47
11) bis(2-Chloro	1.015	1.064	1.052	1.074	1.216	1.128	1.085	1.102	1.092	5.53
12) 2-Chlorophen	1.186	1.090	1.184	1.229	1.376	1.269	1.147	1.129	1.201	7.50
13) Decane	1.214	1.119	1.142	1.135	1.279	1.195	1.179	1.211	1.184	4.42
14) 1,3-Dichloro	1.419	1.361	1.388	1.420	1.595	1.459	1.344	1.425	1.426	5.43
15) 1,4-Dichloro	1.446	1.421	1.419	1.449	1.628	1.496	1.421	1.407	1.461	5.00
16) Benzyl alcoh	0.719	0.693	0.738	0.762	0.865	0.785	0.690	0.651	0.738	9.05
17) 1,2-Dichloro	1.380	1.336	1.342	1.372	1.566	1.410	1.361	1.421	1.399	5.27
18) Acetophenone	1.711	1.687	1.686	1.731	1.940	1.816	1.681	1.667	1.740	5.38
19) 2-Methylphen	0.933	1.007	1.012	1.057	1.183	1.091	0.984	0.949	1.027	7.96
20) 2,2'-oxybis(	0.361	0.337	0.321	0.351	0.381	0.353	0.329	0.349	0.348	5.42
21) 3&4-Methylph	1.062	0.994	1.075	1.121	1.275	1.176	1.048	0.946	1.087	9.55
22) n-Nitroso-di	0.756	0.785	0.806	0.803	0.886	0.840	0.808	0.664	0.793	8.16
23) Hexachloroet	0.582	0.502	0.552	0.573	0.657	0.592	0.533	0.512	0.563	8.89
24) I Naphthalene-d8	ISTD									
25) Nitrobenzene	0.261	0.248	0.279	0.301	0.335	0.305	0.277	0.275	0.285	9.65
26) Nitrobenzene	0.280	0.283	0.305	0.328	0.357	0.329	0.303	0.265	0.306	9.93
27) Quinoline	0.611	0.579	0.598	0.623	0.704	0.646	0.602	0.626	0.624	6.09
28) Isophorone	0.543	0.537	0.537	0.566	0.628	0.582	0.547	0.534	0.559	5.79
29) 2-Nitropheno		0.115	0.128	0.163	0.191	0.156	0.118		0.145	20.72
----- Quadratic regression ----- Coefficient = 0.9980										
Response Ratio = 0.00008 + 0.11047 *A + 0.03073 *A^2										
30) 2,4-Dimethyl	0.292	0.287	0.303	0.322	0.363	0.330	0.304	0.270	0.309	9.41
31) Benzoic acid		0.097	0.155	0.200	0.237	0.190	0.124		0.167	30.91
----- Quadratic regression ----- Coefficient = 0.9980										
Response Ratio = -0.00598 + 0.14080 *A + 0.03715 *A^2										
32) bis(2-Chloro	0.347	0.340	0.346	0.370	0.412	0.378	0.358	0.366	0.365	6.34
33) 2,4-Dichloro	0.246	0.255	0.263	0.296	0.328	0.291	0.261	0.247	0.273	10.61
34) 2,6-Dichloro	0.249	0.258	0.269	0.299	0.339	0.300	0.266	0.258	0.280	10.87
35) 1,3,5-Trichl	0.343	0.336	0.343	0.367	0.414	0.371	0.348	0.322	0.355	8.05
36) 1,2,4-Trichl	0.325	0.307	0.320	0.347	0.386	0.347	0.318	0.296	0.331	8.64
37) 1,2,3-Trichl	0.335	0.319	0.315	0.347	0.395	0.356	0.323	0.302	0.337	8.73
38) Naphthalene	0.982	0.923	0.917	0.967	1.079	0.985	0.939	0.925	0.965	5.53
39) 4-Chloroanil	0.358	0.373	0.387	0.417	0.467	0.429	0.394	0.379	0.400	8.85

Initial Calibration Summary

Job Number: JE1300 **Sample:** EF9899-ICC9899
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** F222739.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

40)	2,3-Dichloro	0.311	0.317	0.320	0.345	0.391	0.350	0.330	0.290	0.332	9.23
41)	Hydroquinone	0.230	0.246	0.262	0.282	0.309	0.290	0.261	0.226	0.263	11.04
42)	Hexachlorobu	0.205	0.199	0.202	0.219	0.250	0.225	0.205	0.191	0.212	8.75
43)	4-Chloro-3-m	0.231	0.221	0.240	0.258	0.290	0.270	0.247	0.214	0.246	10.36
44)	2-Methylnaph	0.560	0.546	0.557	0.592	0.671	0.601	0.571	0.545	0.581	7.19
45)	1-Methylnaph	0.606	0.576	0.576	0.621	0.690	0.620	0.596	0.562	0.606	6.65
46)	I Acenaphthene-d10	ISTD									
47)	Hexachlorocy	0.299	0.366	0.430	0.489	0.422	0.339		0.391		17.68
48)	1,2,4,5-tetr	0.658	0.618	0.667	0.701	0.791	0.718	0.656	0.558	0.671	10.32
49)	2,4,6-Trichl	0.324	0.366	0.394	0.429	0.480	0.434	0.362	0.325	0.389	14.27
50)	2,4,5-Trichl	0.390	0.376	0.435	0.479	0.538	0.489	0.411		0.445	13.19
51)	2-Fluorobiph	1.350	1.322	1.348	1.435	1.602	1.475	1.374	1.314	1.402	6.97
52)	2-Chloronaph	1.156	1.117	1.170	1.231	1.382	1.259	1.179	1.158	1.207	6.95
53)	Biphenyl	1.489	1.446	1.500	1.571	1.737	1.610	1.523	1.515	1.549	5.88
54)	2-Nitroanili	0.214	0.265	0.293	0.324	0.299	0.236		0.272		15.30
55)	Dimethylphth	1.242	1.267	1.294	1.341	1.504	1.379	1.313	1.248	1.323	6.54
56)	Acenaphthyle	1.534	1.537	1.652	1.744	1.927	1.771	1.696	1.492	1.669	8.79
57)	2,6-Dinitrot	0.132	0.162	0.232	0.268	0.312	0.263	0.194	0.140	0.213	31.02
	----- Quadratic regression -----								Coefficient =		0.9980
	Response Ratio = -0.00262 + 0.20199 *A + 0.04156 *A^2										
58)	3-Nitroanili	0.212	0.278	0.322	0.357	0.315	0.248		0.289		18.35
59)	Acenaphthene	1.285	1.207	1.229	1.261	1.415	1.301	1.242	1.350	1.286	5.34
60)	2,4-Dinitrop	0.049	0.061	0.105	0.159	0.189	0.141	0.080		0.112	47.09
	----- Quadratic regression -----								Coefficient =		0.9988
	Response Ratio = -0.00481 + 0.08380 *A + 0.02075 *A^2										
61)	4-Nitropheno	0.127	0.162	0.177	0.201	0.180	0.149		0.166		15.64
62)	Dibenzofuran	1.731	1.702	1.692	1.797	2.004	1.848	1.742	1.763	1.785	5.70
63)	2,4-Dinitrot	0.196	0.212	0.317	0.382	0.433	0.375	0.265	0.173	0.294	32.99
	----- Quadratic regression -----								Coefficient =		0.9983
	Response Ratio = -0.00422 + 0.28441 *A + 0.05812 *A^2										
64)	2,3,4,6-Tetr	0.261	0.332	0.371	0.412	0.372	0.312		0.343		15.46
65)	Diethylphtha	1.287	1.347	1.361	1.427	1.566	1.453	1.365	1.320	1.391	6.37
66)	Fluorene	1.314	1.251	1.368	1.450	1.639	1.469	1.324	1.228	1.381	9.76
67)	4-Chlorophen	0.733	0.706	0.707	0.748	0.841	0.771	0.720	0.768	0.749	5.97
68)	4-Nitroanili	0.241	0.302	0.326	0.358	0.343	0.277		0.308		14.24
69)	I Phenanthrene-d10	ISTD									
70)	4,6-Dinitro-	0.040	0.070	0.100	0.115	0.090	0.055		0.078		36.37
	----- Quadratic regression -----								Coefficient =		0.9992
	Response Ratio = -0.00337 + 0.06384 *A + 0.02060 *A^2										
71)	n-Nitrosodip	0.571	0.555	0.565	0.607	0.687	0.626	0.584	0.514	0.589	8.83
72)	1,2-Diphenyl	0.588	0.621	0.609	0.622	0.684	0.644	0.631	0.580	0.622	5.26
73)	2,4,6-Tribro	0.080	0.091	0.101	0.115	0.106	0.091		0.097		12.82
74)	4-Bromopheny	0.215	0.192	0.210	0.221	0.247	0.223	0.208	0.198	0.214	7.91
75)	Hexachlorobe	0.239	0.215	0.217	0.231	0.260	0.238	0.231	0.208	0.230	7.18
76)	Pentachlorop	0.096	0.104	0.137	0.161	0.182	0.160	0.127		0.138	22.87
	----- Quadratic regression -----								Coefficient =		0.9986
	Response Ratio = -0.00431 + 0.12945 *A + 0.01005 *A^2										
77)	Phenanthrene	1.061	1.001	0.997	1.061	1.188	1.079	1.044	1.074	1.063	5.59
78)	Anthracene	1.050	0.967	1.013	1.080	1.211	1.102	1.019	0.919	1.045	8.53
79)	Carbazole	0.933	0.872	0.933	1.000	1.125	1.029	0.938	0.834	0.958	9.59
80)	Di-n-butylph	0.993	0.995	1.116	1.236	1.390	1.251	1.097	0.971	1.131	13.24
81)	Fluoranthene	1.039	1.036	1.145	1.234	1.397	1.252	1.116	0.977	1.150	12.09
82)	Octadecane	0.316	0.337	0.366	0.379	0.419	0.394	0.362	0.301	0.359	11.05

8.8.30

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Initial Calibration Summary

Job Number: JE1300 **Sample:** EF9899-ICC9899
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** F222739.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

```
 83) I   Chrysene-d12          ----------------ISTD--------------------
 84) Benzidine    0.553 0.601 0.706 0.806 0.900 0.733 0.643 0.690 0.704  15.84
 85) Pyrene       1.252 1.253 1.291 1.334 1.487 1.381 1.306 1.271 1.322   6.01
 86) Terphenyl-d1 0.899 0.882 0.895 0.952 1.054 0.985 0.931 0.885 0.936   6.42
 87) Butylbenzylp 0.287 0.339 0.456 0.525 0.588 0.524 0.413       0.447  24.23
          ----- Quadratic regression -----                Coefficient =  0.9979
               Response Ratio = -0.00729 + 0.41936 *A + 0.06664 *A^2

 88) Benzo[a]anth 1.113 1.065 1.155 1.250 1.391 1.286 1.143 1.107 1.189   9.29
 89) 3,3'-Dichlor 0.318 0.360 0.441 0.502       0.515 0.402       0.423  18.41
 90) Chrysene     1.279 1.219 1.207 1.248 1.382 1.303 1.256 1.237 1.266   4.43
 91) bis(2-Ethylh 0.471 0.547 0.735 0.829 0.930 0.838 0.666       0.717  23.13
          ----- Quadratic regression -----                Coefficient =  0.9977
               Response Ratio = -0.01146 + 0.67822 *A + 0.09901 *A^2


 92) I   Perylene-d12          ----------------ISTD--------------------
 93) Di-n-octylph 0.524 0.678 1.066 1.297 1.469 1.277 0.875       1.026  33.99
          ----- Quadratic regression -----                Coefficient =  0.9984
               Response Ratio = -0.03098 + 1.00592 *A + 0.18191 *A^2

 94) Benzo[b]fluo 0.980 1.002 1.141 1.279 1.431 1.299 1.085 0.847 1.133  17.09
 95) Benzo[k]fluo 0.990 1.036 1.186 1.227 1.351 1.264 1.146 0.947 1.143  12.39
 96) Benzo[a]pyre 0.769 0.829 0.966 1.064 1.185 1.077 0.915 0.704 0.939  17.71
 97) Indeno[1,2,3 0.830 0.815 0.984 1.118 1.277 1.138 0.934 0.677 0.972  20.41
          ----- Quadratic regression -----                Coefficient =  0.9982
               Response Ratio = -0.00670 + 0.92225 *A + 0.13173 *A^2

 98) Dibenz(a,h)a       0.684 0.794 0.910 1.031 0.919 0.742       0.847  15.23
 99) Dibenz[a,h]a 0.794 0.890 1.014 1.121 1.274 1.140 0.969 0.726 0.991  18.69
100) 7,12-Dimethy       0.395 0.474 0.526 0.588 0.535 0.438       0.493  14.29
101) Benzo[g,h,i] 0.799 0.860 0.963 1.053 1.189 1.083 0.941 0.721 0.951  16.36

 ------------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           MF9899.M          Fri Dec 06 10:50:29 2024   RT1
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8.8.30

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Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EF9899-ICV9899
Lab FileID: F222741.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF9899\f222741.D Vial: 10
Acq On : 7 Nov 2024 12:06 pm Operator: jackleey
Sample : icv9899-50 Inst : GCMSF
Misc : op58797b,ef9899,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9899.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Dec 06 11:47:12 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.07	4.77
2	t	1,4-Dioxane	0.505	0.481	4.8	110	0.18	2.70
6	t	Indene	2.104	2.264	-7.6	107	0.07	4.94
7	t	Cumene	2.300	2.444	-6.3	108	0.09	4.22
11	t	bis(2-Chloroethyl)ether	1.092	1.119	-2.5	102	0.07	4.57
13	t	Decane	1.184	1.250	-5.6	108	0.07	4.65
14	t	1,3-Dichlorobenzene	1.426	1.510	-5.9	106	0.07	4.72
15	t	1,4-Dichlorobenzene	1.461	1.558	-6.6	107	0.07	4.78
16	t	Benzyl alcohol	0.738	0.785	-6.4	103	0.06	4.86
17	t	1,2-Dichlorobenzene	1.399	1.487	-6.3	108	0.07	4.88
18	t	Acetophenone	1.740	1.829	-5.1	104	0.06	5.04
20	t	2,2'-oxybis(1-Chloropropa	0.348	0.370	-6.3	108	0.07	4.95
23	t	Hexachloroethane	0.563	0.604	-7.3	105	0.06	5.12
24	I	Naphthalene-d8	1.000	1.000	0.0	102	0.06	5.66
26	t	Nitrobenzene	0.306	0.337	-10.1	104	0.06	5.16
27	t	Quinoline	0.624	0.657	-5.3	103	0.05	5.91
28	t	Isophorone	0.559	0.605	-8.2	106	0.06	5.33
32	t	bis(2-Chloroethoxy)methan	0.365	0.381	-4.4	102	0.06	5.48
35		1,3,5-Trichlorobenzene	0.355	0.381	-7.3	104	0.06	5.39
36	t	1,2,4-Trichlorobenzene	0.331	0.364	-10.0	107	0.06	5.61
37		1,2,3-Trichlorobenzene	0.337	0.371	-10.1	106	0.06	5.77
38	t	Naphthalene	0.965	1.054	-9.2	109	0.06	5.67
40	t	2,3-Dichloroaniline	0.332	0.352	-6.0	102	0.06	6.38
42	t	Hexachlorobutadiene	0.212	0.228	-7.5	103	0.06	5.75
44	t	2-Methylnaphthalene	0.581	0.621	-6.9	105	0.06	6.17
45	t	1-Methylnaphthalene	0.606	0.631	-4.1	103	0.06	6.25
46	I	Acenaphthene-d10	1.000	1.000	0.0	102	0.08	7.04
47	t	Hexachlorocyclopentadiene	0.391	0.470	-20.2	114	0.07	6.29
48	t	1,2,4,5-tetrachlorobenzen	0.671	0.753	-12.2	107	0.06	6.29

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EF9899-ICV9899
Lab FileID: F222741.D

52	t	2-Chloronaphthalene	1.207	1.295	-7.3	105	0.09	6.55
53	t	Biphenyl	1.549	1.619	-4.5	103	0.07	6.54
55	t	Dimethylphthalate	1.323	1.419	-7.3	105	0.07	6.80
56	t	Acenaphthylene	1.669	1.882	-12.8	109	0.07	6.91
		----------	True	Calc.	% Drift	----------		
57	t	2,6-Dinitrotoluene	50.000	52.607	-5.2	104	0.07	6.85
		----------	AvgRF	CCRF	% Dev	----------		
59	t	Acenaphthene	1.286	1.365	-6.1	107	0.08	7.07
		----------	True	Calc.	% Drift	----------		
62	t	Dibenzofuran	1.785	1.910	-7.0	106	0.08	7.24
		----------	True	Calc.	% Drift	----------		
63	t	2,4-Dinitrotoluene	50.000	50.349	-0.7	97	0.07	7.22
		----------	AvgRF	CCRF	% Dev	----------		
65	t	Diethylphthalate	1.391	1.501	-7.9	106	0.08	7.47
66	t	Fluorene	1.381	1.523	-10.3	106	0.08	7.59
67	t	4-Chlorophenyl-phenylethe	0.749	0.793	-5.9	105	0.08	7.59
69	I	Phenanthrene-d10	1.000	1.000	0.0	106	0.09	8.67
72	t	1,2-Diphenylhydrazine	0.622	0.642	-3.2	106	0.09	7.76
74	t	4-Bromophenyl-phenylether	0.214	0.221	-3.3	105	0.09	8.13
75	t	Hexachlorobenzene	0.230	0.237	-3.0	106	0.09	8.19
77	t	Phenanthrene	1.063	1.099	-3.4	108	0.09	8.70
78	t	Anthracene	1.045	1.103	-5.6	106	0.09	8.76
79	t	Carbazole	0.958	1.020	-6.5	105	0.08	8.97
80	t	Di-n-butylphthalate	1.131	1.258	-11.2	107	0.10	9.49
81	t	Fluoranthene	1.150	1.268	-10.3	107	0.10	10.32
82	t	Octadecane	0.359	0.389	-8.4	105	0.10	8.57
83	I	Chrysene-d12	1.000	1.000	0.0	97	0.11	12.51
85	t	Pyrene	1.322	1.486	-12.4	105	0.10	10.65
86	S	Terphenyl-d14		----------NA----------				
		----------	True	Calc.	% Drift	----------		
87	t	Butylbenzylphthalate	50.000	56.516	-13.0	107	0.11	11.74
		----------	AvgRF	CCRF	% Dev	----------		
88	t	Benzo[a]anthracene	1.189	1.343	-13.0	101	0.10	12.49
89	t	3,3'-Dichlorobenzidine		----------NA----------				
90	t	Chrysene	1.266	1.386	-9.5	103	0.11	12.55
		----------	True	Calc.	% Drift	----------		
91	t	bis(2-Ethylhexyl)phthalat	50.000	56.200	-12.4	105	0.12	12.69
		----------	AvgRF	CCRF	% Dev	----------		

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Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EF9899-ICV9899
Lab FileID: F222741.D

92	I	Perylene-d12	1.000	1.000	0.0	104	0.11	14.60
		----------	True	Calc.	% Drift	----------		
93	t	Di-n-octylphthalate	50.000	53.474	-6.9	107	0.12	13.68
		----------	AvgRF	CCRF	% Dev	----------		
94	t	Benzo[b]fluoranthene	1.133	1.291	-13.9	103	0.11	14.09
95	t	Benzo[k]fluoranthene	1.143	1.318	-15.3	108	0.10	14.12
96	t	Benzo[a]pyrene	0.939	1.113	-18.5	107	0.11	14.53
		----------	True	Calc.	% Drift	----------		
97	t	Indeno[1,2,3-cd]pyrene	50.000	49.951	0.1	99	0.13	16.00
		----------	AvgRF	CCRF	% Dev	----------		
98	t	Dibenz(a,h)acridine	0.847	0.916	-8.1	104	0.13	15.70
99	t	Dibenz[a,h]anthracene	0.991	1.117	-12.7	102	0.14	16.04
100	t	7,12-Dimethylbenz(a)anthr	0.493	0.514	-4.3	100	0.11	14.09
101	t	Benzo[g,h,i]perylene	0.951	1.053	-10.7	101	0.15	16.38

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F223137.D MF9899.M Fri Dec 06 12:33:52 2024 RT1

8.8.31

8

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EF9899-ICV9899
Lab FileID: F222742.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF9899\f222742.D Vial: 11
Acq On : 7 Nov 2024 12:30 pm Operator: jackleey
Sample : icv9899-50 Inst : GCMSF
Misc : op58797b,ef9899,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9899.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Dec 06 11:47:12 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	106	0.07	4.77
2	t	1,4-Dioxane		----------NA----------				
3	t	Pyridine		----------NA----------				
4	t	N-Nitrosodimethylamine		----------NA----------				
5	S	2-Fluorophenol		----------NA----------				
6	t	Indene		----------NA----------				
7	t	Cumene		----------NA----------				
8	S	Phenol-d5		----------NA----------				
9	t	Phenol	1.395	1.419	-1.7	103	0.02	4.50
10	t	Aniline		----------NA----------				
11	t	bis(2-Chloroethyl)ether		----------NA----------				
12	t	2-Chlorophenol	1.201	1.257	-4.7	105	0.05	4.62
13	t	Decane		----------NA----------				
14	t	1,3-Dichlorobenzene		----------NA----------				
15	t	1,4-Dichlorobenzene		----------NA----------				
16	t	Benzyl alcohol		----------NA----------				
17	t	1,2-Dichlorobenzene		----------NA----------				
18	t	Acetophenone		----------NA----------				
19	t	2-Methylphenol	1.027	1.082	-5.4	105	0.03	4.92
20	t	2,2'-oxybis(1-Chloropropa		----------NA----------				
21	t	3&4-Methylphenol	1.087	1.154	-6.2	104	0.03	5.03
22		n-Nitroso-di-n-propylamin		----------NA----------				
23	t	Hexachloroethane		----------NA----------				
24	I	Naphthalene-d8	1.000	1.000	0.0	107	0.06	5.66
25	S	Nitrobenzene-d5		----------NA----------				
26	t	Nitrobenzene		----------NA----------				
27	t	Quinoline		----------NA----------				
28	t	Isophorone		----------NA----------				
		----------	True	Calc.	% Drift	----------		
29	t	2-Nitrophenol	50.000	52.030	-4.1	107	0.06	5.38
		----------	AvgRF	CCRF	% Dev	----------		
30	t	2,4-Dimethylphenol	0.309	0.330	-6.8	107	0.03	5.40
		----------	True	Calc.	% Drift	----------		
31	t	Benzoic acid	50.000	52.953	-5.9	110	0.02	5.47
		----------	AvgRF	CCRF	% Dev	----------		
32	t	bis(2-Chloroethoxy)methan		----------NA----------				
33	t	2,4-Dichlorophenol	0.273	0.296	-8.4	109	0.03	5.55

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EF9899-ICV9899
Lab FileID: F222742.D

34		2,6-Dichlorophenol	0.280	0.296	-5.7	105	0.05	5.71
35		1,3,5-Trichlorobenzene		----------NA----------				
36	t	1,2,4-Trichlorobenzene		----------NA----------				
37		1,2,3-Trichlorobenzene		----------NA----------				
38	t	Naphthalene		----------NA----------				
39	t	4-Chloroaniline		----------NA----------				
40	t	2,3-Dichloroaniline		----------NA----------				
41	t	Hydroquinone	0.263	0.327	-24.3	121	0.03	5.96
42	t	Hexachlorobutadiene		----------NA----------				
43	t	4-Chloro-3-methylphenol	0.246	0.263	-6.9	104	0.02	6.04
44	t	2-Methylnaphthalene		----------NA----------				
45	t	1-Methylnaphthalene		----------NA----------				
46	I	Acenaphthene-d10	1.000	1.000	0.0	106	0.08	7.04
47	t	Hexachlorocyclopentadiene		----------NA----------				
48	t	1,2,4,5-tetrachlorobenzen		----------NA----------				
49	t	2,4,6-Trichlorophenol	0.389	0.427	-9.8	104	0.05	6.38
50	t	2,4,5-Trichlorophenol	0.445	0.461	-3.6	100	0.02	6.41
51	S	2-Fluorobiphenyl		----------NA----------				
52	t	2-Chloronaphthalene		----------NA----------				
53	t	Biphenyl		----------NA----------				
54	t	2-Nitroaniline		----------NA----------				
55	t	Dimethylphthalate		----------NA----------				
56	t	Acenaphthylene		----------NA----------				
		----------	True	Calc.	% Drift	----------		
57	t	2,6-Dinitrotoluene		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
58	t	3-Nitroaniline		----------NA----------				
59	t	Acenaphthene		----------NA----------				
		----------	True	Calc.	% Drift	----------		
60	t	2,4-Dinitrophenol	100.000	102.081	-2.1	103	0.06	7.09
		----------	AvgRF	CCRF	% Dev	----------		
61	t	4-Nitrophenol	0.166	0.189	-13.9	111	-0.01	7.14
62	t	Dibenzofuran		----------NA----------				
		----------	True	Calc.	% Drift	----------		
63	t	2,4-Dinitrotoluene		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
64		2,3,4,6-Tetrachlorophenol	0.343	0.366	-6.7	104	0.06	7.35
65	t	Diethylphthalate		----------NA----------				
66	t	Fluorene		----------NA----------				
67	t	4-Chlorophenyl-phenylethe		----------NA----------				
68	t	4-Nitroaniline		----------NA----------				
69	I	Phenanthrene-d10	1.000	1.000	0.0	110	0.09	8.66
		----------	True	Calc.	% Drift	----------		
70	t	4,6-Dinitro-2-methylpheno	50.000	50.477	-1.0	108	0.07	7.63
		----------	AvgRF	CCRF	% Dev	----------		
71	t	n-Nitrosodiphenylamine		----------NA----------				
72	t	1,2-Diphenylhydrazine		----------NA----------				
73	S	2,4,6-Tribromophenol		----------NA----------				
74	t	4-Bromophenyl-phenylether		----------NA----------				
75	t	Hexachlorobenzene		----------NA----------				

8.8.32

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Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EF9899-ICV9899
Lab FileID: F222742.D

			True	Calc.	% Drift			
76	t	Pentachlorophenol	100.000	98.995	1.0	104	0.07	8.42
			AvgRF	CCRF	% Dev			
77	t	Phenanthrene		NA				
78	t	Anthracene		NA				
79	t	Carbazole		NA				
80	t	Di-n-butylphthalate		NA				
81	t	Fluoranthene		NA				
82	t	Octadecane		NA				
83	I	Chrysene-d12	1.000	1.000	0.0	93	0.11	12.51
84	t	Benzidine		NA				
85	t	Pyrene		NA				
86	S	Terphenyl-d14		NA				
			True	Calc.	% Drift			
87	t	Butylbenzylphthalate		NA				
			AvgRF	CCRF	% Dev			
88	t	Benzo[a]anthracene		NA				
89	t	3,3'-Dichlorobenzidine		NA				
90	t	Chrysene		NA				
			True	Calc.	% Drift			
91	t	bis(2-Ethylhexyl)phthalat		NA				
			AvgRF	CCRF	% Dev			
92	I	Perylene-d12	1.000	1.000	0.0	98	0.11	14.59
			True	Calc.	% Drift			
93	t	Di-n-octylphthalate		NA				
			AvgRF	CCRF	% Dev			
94	t	Benzo[b]fluoranthene		NA				
95	t	Benzo[k]fluoranthene		NA				
96	t	Benzo[a]pyrene		NA				
			True	Calc.	% Drift			
97	t	Indeno[1,2,3-cd]pyrene		NA				
			AvgRF	CCRF	% Dev			
98	t	Dibenz(a,h)acridine		NA				
99	t	Dibenz[a,h]anthracene		NA				
100	t	7,12-Dimethylbenz(a)anthr		NA				
101	t	Benzo[g,h,i]perylene		NA				
102	I	1,4-Dichlorobenzene-d4A	1.000	1.000	0.0	93	0.07	4.77
103	M	2-Picoline		NA				
104		Pentachloroethane		NA				
105	M	Methyl methanesulfonate		NA				
106	M	N-Nitrosodiethylamine		NA				
107	M	N-Nitrosomethylethylamine		NA				
108	M	Ethyl methanesulfonate		NA				
109	M	N-Nitrosopyrrolidine		NA				
110	M	N-Nitrosomorpholine		NA				
111	M	o-Toluidine		NA				

8.8.32

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Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EF9899-ICV9899
Lab FileID: F222742.D

112	I	Naphthalene-d8A	1.000	1.000	0.0	97	0.06	5.66
113	M	O,O,O-Triethyl phosphorot		----------NA----------				
114	M	N-Nitrosopiperidine		----------NA----------				
115	M	A,A-Dimethylphenethylamin		----------NA----------				
116	M	Hexachloropropene		----------NA----------				
117	M	N-Nitrosodi-n-butylamine		----------NA----------				
118		p-Phenylenediamine		----------NA----------				
119	M	Safrole		----------NA----------				
120		Isosafrole		----------NA----------				
121		Acenaphthene-d10A	1.000	1.000	0.0	101	0.08	7.04
122	M	Thionazin		----------NA----------				
123	M	Tetraethyl dithiopyrophos		----------NA----------				
		----------	True	Calc.	% Drift	----------		
124	M	Phorate		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
125	M	Phenacetin		----------NA----------				
126	M	1,4-Naphthoquinone		----------NA----------				
		----------	True	Calc.	% Drift	----------		
127	M	m-Dinitrobenzene		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
128	M	Pentachlorobenzene		----------NA----------				
129	M	2-Naphthylamine		----------NA----------				
130	M	1-Naphthylamine		----------NA----------				
131	M	5-Nitro-o-toluidine		----------NA----------				
132	I	Phenanthrene-d10A	1.000	1.000	0.0	106	0.09	8.66
133	M	Disulfoton		----------NA----------				
		----------	True	Calc.	% Drift	----------		
134	M	Dinoseb		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
135	M	Dimethoate		----------NA----------				
136	M	4-Aminobiphenyl		----------NA----------				
137	M	Methyl parathion		----------NA----------				
138	M	Parathion		----------NA----------				
139	M	Diphenylamine		----------NA----------				
140	M	Isodrin		----------NA----------				
141	M	Diallate		----------NA----------				
142	M	Pentachloronitrobenzene		----------NA----------				
143	M	Pronamide		----------NA----------				
		----------	True	Calc.	% Drift	----------		
144	M	4-Nitroquinoline 1-oxide		----------NA----------				
145	M	Methapyriline		----------NA----------				
146	M	sym-Trinitrobenzene		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
147	I	Chrysene-d12A	1.000	1.000	0.0	94	0.11	12.51
148		Aramite		----------NA----------				
149	M	p-(Dimethylamine)azobenze		----------NA----------				
150		Kepone		----------NA----------				
		----------	True	Calc.	% Drift	----------		

8.8.32

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Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EF9899-ICV9899
Lab FileID: F222742.D

151	M	Famphur		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
152	M	2-Acetylaminofluorene		----------NA----------				
153	M	Chlorobenzilate		----------NA----------				
154	I	Perylene-d12A	1.000	1.000	0.0	95	0.11	14.59
		----------	True	Calc.	% Drift	----------		
155		Hexachlorophene		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
156		3-Methylcholanthrene		----------NA----------				
157	I	1,4-Dichlorobenzene-d4b	1.000	1.000	0.0	107	0.07	4.77
158		Benzaldehyde		----------NA----------				
159	I	Phenanthrene-d10b	1.000	1.000	0.0	121	0.09	8.66
160		Atrazine		----------NA----------				
161	I	Naphthalene-d8b	1.000	1.000	0.0	111	0.06	5.66
162		Caprolactam		----------NA----------				
163	I	Naphthalene-d8c	1.000	1.000	0.0	107	0.06	5.66
164		2-Chloroaniline		----------NA----------				
165		3-Chloroaniline		----------NA----------				
166		1-chloro-2-nitrobenzene		----------NA----------				
167	I	1,4-Dichlorobenzene-d4c	1.000	1.000	0.0	106	0.07	4.77
168		m-Toluidine		----------NA----------				
169	I	Chrysene-d12c	1.000	1.000	0.0	93	0.11	12.51
170		bis(2-Ethylhexyl)adipate		----------NA----------				
171	I	Chrysene-d12d	1.000	1.000	0.0	93	0.11	12.51
172		2,3,7,8-tcdd		----------NA----------				
173		Naphthalene-d8d	1.000	1.000	0.0	107	0.06	5.66
174	t	Salicylic acid		----------NA----------				
175		Chrysene-d12e	1.000	1.000	0.0	93	0.11	12.51
176		3,3'-Dimethylbenzidine		----------NA----------				
177		Perylene-d12b	1.000	1.000	0.0	98	0.11	14.59
178		4,4-Methylene-bis-(2-chlo		----------NA----------				
179		Naphthalene-d8e	1.000	1.000	0.0	107	0.06	5.66
180		Catechol		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F223137.D MF9899.M Fri Dec 06 12:34:39 2024 RT1

8.8.32

8

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EF9899-ICV9899
Lab FileID: F222743.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF9899\f222743.D Vial: 12
Acq On : 7 Nov 2024 12:53 pm Operator: jackleey
Sample : icv9899-50 Inst : GCMSF
Misc : op58797b,ef9899,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9899.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Nov 08 09:33:11 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00	4.76
3	t	Pyridine	1.168	1.248	-6.8	102	0.00	2.94
4	t	N-Nitrosodimethylamine	0.607	0.580	4.4	103	0.00	2.92
10	t	Aniline	1.769	1.797	-1.6	103	0.00	4.54
22		n-Nitroso-di-n-propylamin	0.793	0.829	-4.5	103	0.00	5.04
24	I	Naphthalene-d8	1.000	1.000	0.0	103	0.00	5.66
39	t	4-Chloroaniline	0.400	0.416	-4.0	100	0.00	5.71
46	I	Acenaphthene-d10	1.000	1.000	0.0	106	0.00	7.04
54	t	2-Nitroaniline	0.272	0.286	-5.1	101	0.00	6.64
		----------	AvgRF	CCRF	% Dev	----------		
58	t	3-Nitroaniline	0.289	0.301	-4.2	101	0.00	7.00
68	t	4-Nitroaniline	0.308	0.294	4.5	91	0.00	7.61
69	I	Phenanthrene-d10	1.000	1.000	0.0	108	0.00	8.66
		----------	AvgRF	CCRF	% Dev	----------		
71	t	n-Nitrosodiphenylamine	0.589	0.586	0.5	101	0.00	7.71
83	I	Chrysene-d12	1.000	1.000	0.0	99	0.00	12.51
84	t	Benzidine	0.704	0.867	-23.2	118	0.00	10.56
89	t	3,3'-Dichlorobenzidine	0.423	0.470	-11.1	91	0.00	12.50

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F222739.D MF9899.M Fri Nov 08 09:57:45 2024 RT1

Continuing Calibration Summary

Job Number: JE1300 **Sample:** EF9918-CC9899
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** F223230.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : X:\Dayton SVOA GCMS\...eleb\ef9918\f223230.D Vial: 3
Acq On : 2 Dec 2024 10:04 am Operator: kaleigh
Sample : cc9899-50 Inst : GCMSF
Misc : op58797,ef9918,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : X:\Dayton SVOA G...methods\MF9899.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Dec 02 19:22:44 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00	4.69
2	t	1,4-Dioxane	0.505	0.471	6.7	105	0.00	2.53
3	t	Pyridine	1.168	1.266	-8.4	99	0.00	2.79
4	t	N-Nitrosodimethylamine	0.607	0.587	3.3	100	0.00	2.76
5	S	2-Fluorophenol	1.074	1.157	-7.7	103	0.00	3.79
6	t	Indene	2.104	2.157	-2.5	100	0.00	4.87
7	t	Cumene	2.300	2.353	-2.3	101	0.00	4.13
8	S	Phenol-d5	1.249	1.385	-10.9	105	0.00	4.45
9	t	Phenol	1.395	1.594	-14.3	110	0.00	4.46
10	t	Aniline	1.769	1.791	-1.2	98	0.00	4.46
11	t	bis(2-Chloroethyl)ether	1.092	1.142	-4.6	101	0.00	4.50
12	t	2-Chlorophenol	1.201	1.266	-5.4	100	0.00	4.55
13	t	Decane	1.184	1.223	-3.3	102	0.00	4.57
14	t	1,3-Dichlorobenzene	1.426	1.473	-3.3	101	0.00	4.65
15	t	1,4-Dichlorobenzene	1.461	1.506	-3.1	101	0.00	4.70
16	t	Benzyl alcohol	0.738	0.780	-5.7	100	0.00	4.79
17	t	1,2-Dichlorobenzene	1.399	1.436	-2.6	102	0.00	4.81
18	t	Acetophenone	1.740	1.690	2.9	93	0.00	4.98
19	t	2-Methylphenol	1.027	1.083	-5.5	99	0.00	4.88
20	t	2,2'-oxybis(1-Chloropropa	0.348	0.343	1.4	97	0.00	4.88
21	t	3&4-Methylphenol	1.087	1.140	-4.9	97	0.00	4.99
22		n-Nitroso-di-n-propylamin	0.793	0.795	-0.3	95	0.00	4.98
23	t	Hexachloroethane	0.563	0.587	-4.3	99	0.00	5.05
24	I	Naphthalene-d8	1.000	1.000	0.0	96	0.00	5.59
25	S	Nitrobenzene-d5	0.285	0.317	-11.2	100	0.00	5.08
26	t	Nitrobenzene	0.306	0.336	-9.8	98	0.00	5.09
27	t	Quinoline	0.624	0.669	-7.2	100	0.00	5.85
28	t	Isophorone	0.559	0.586	-4.8	97	0.00	5.26
		----------	True	Calc.	% Drift	----------		
29	t	2-Nitrophenol	50.000	59.986	-20.0	116	0.00	5.32
		----------	AvgRF	CCRF	% Dev	----------		
30	t	2,4-Dimethylphenol	0.309	0.326	-5.5	95	0.00	5.35
		----------	True	Calc.	% Drift	----------		
31	t	Benzoic acid	50.000	52.788	-5.6	99	0.00	5.45
		----------	AvgRF	CCRF	% Dev	----------		
32	t	bis(2-Chloroethoxy)methan	0.365	0.378	-3.6	96	0.00	5.41
33	t	2,4-Dichlorophenol	0.273	0.311	-13.9	103	0.00	5.50

Continuing Calibration Summary

Job Number: JE1300 **Sample:** EF9918-CC9899
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** F223230.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

34		2,6-Dichlorophenol	0.280	0.309	-10.4	99	0.00	5.65
35		1,3,5-Trichlorobenzene	0.355	0.364	-2.5	95	0.00	5.32
36	t	1,2,4-Trichlorobenzene	0.331	0.348	-5.1	96	0.00	5.55
37		1,2,3-Trichlorobenzene	0.337	0.352	-4.5	95	0.00	5.70
38	t	Naphthalene	0.965	1.007	-4.4	98	0.00	5.61
39	t	4-Chloroaniline	0.400	0.420	-5.0	94	0.00	5.64
40	t	2,3-Dichloroaniline	0.332	0.337	-1.5	93	0.00	6.32
41	t	Hydroquinone	0.263	0.264	-0.4	88	0.00	5.91
42	t	Hexachlorobutadiene	0.212	0.224	-5.7	96	0.00	5.69
43	t	4-Chloro-3-methylphenol	0.246	0.268	-8.9	96	0.00	6.00
44	t	2-Methylnaphthalene	0.581	0.613	-5.5	98	0.00	6.10
45	t	1-Methylnaphthalene	0.606	0.648	-6.9	101	0.00	6.17
46	I	Acenaphthene-d10	1.000	1.000	0.0	98	0.00	6.96
47	t	Hexachlorocyclopentadiene	0.391	0.469	-19.9	109	0.00	6.22
48	t	1,2,4,5-tetrachlorobenzen	0.671	0.707	-5.4	96	0.00	6.23
49	t	2,4,6-Trichlorophenol	0.389	0.435	-11.8	98	0.00	6.32
50	t	2,4,5-Trichlorophenol	0.445	0.487	-9.4	97	0.00	6.37
51	S	2-Fluorobiphenyl	1.402	1.459	-4.1	97	0.00	6.38
52	t	2-Chloronaphthalene	0.518	0.565	-9.1	99	0.00	5.65
53	t	Biphenyl	1.549	1.580	-2.0	96	0.00	6.46
54	t	2-Nitroaniline	0.272	0.305	-12.1	100	0.00	6.57
55	t	Dimethylphthalate	1.323	1.388	-4.9	98	0.00	6.72
56	t	Acenaphthylene	1.669	1.795	-7.5	99	0.00	6.83
		----------	True	Calc.	% Drift	----------		
57	t	2,6-Dinitrotoluene	50.000	57.571	-15.1	111	0.00	6.77
		----------	AvgRF	CCRF	% Dev	----------		
58	t	3-Nitroaniline	0.289	0.330	-14.2	102	0.00	6.93
59	t	Acenaphthene	1.286	1.288	-0.2	97	0.00	6.99
		----------	True	Calc.	% Drift	----------		
60	t	2,4-Dinitrophenol	100.000	139.001	-39.0#	149	0.00	7.02
		----------	AvgRF	CCRF	% Dev	----------		
61	t	4-Nitrophenol	0.166	0.182	-9.6	99	0.00	7.12
62	t	Dibenzofuran	1.785	1.830	-2.5	97	0.00	7.15
		----------	True	Calc.	% Drift	----------		
63	t	2,4-Dinitrotoluene	50.000	58.054	-16.1	111	0.00	7.14
		----------	AvgRF	CCRF	% Dev	----------		
64		2,3,4,6-Tetrachlorophenol	0.343	0.390	-13.7	102	0.00	7.27
65	t	Diethylphthalate	1.391	1.451	-4.3	98	0.00	7.38
66	t	Fluorene	1.381	1.432	-3.7	95	0.00	7.49
67	t	4-Chlorophenyl-phenylethe	0.749	0.737	1.6	93	0.00	7.49
68	t	4-Nitroaniline	0.308	0.331	-7.5	94	0.00	7.54
69	I	Phenanthrene-d10	1.000	1.000	0.0	96	0.00	8.56
		----------	True	Calc.	% Drift	----------		
70	t	4,6-Dinitro-2-methylpheno	50.000	69.036	-38.1#	143	0.00	7.55
		----------	AvgRF	CCRF	% Dev	----------		
71	t	n-Nitrosodiphenylamine	0.589	0.615	-4.4	94	0.00	7.62
72	t	1,2-Diphenylhydrazine	0.622	0.631	-1.4	94	0.00	7.66
73	S	2,4,6-Tribromophenol	0.097	0.113	-16.5	103	0.00	7.75
74	t	4-Bromophenyl-phenylether	0.214	0.227	-6.1	98	0.00	8.03
75	t	Hexachlorobenzene	0.230	0.242	-5.2	98	0.00	8.09

Continuing Calibration Summary

Job Number: JE1300 **Sample:** EF9918-CC9899
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** F223230.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

			True	Calc.	% Drift			
76	t	Pentachlorophenol	100.000	108.743	-8.7	102	0.00	8.34
			AvgRF	CCRF	% Dev			
77	t	Phenanthrene	1.063	1.077	-1.3	96	0.00	8.59
78	t	Anthracene	1.045	1.089	-4.2	95	0.00	8.66
79	t	Carbazole	0.958	1.021	-6.6	95	0.00	8.88
80	t	Di-n-butylphthalate	1.131	1.277	-12.9	98	0.00	9.37
81	t	Fluoranthene	1.150	1.300	-13.0	100	0.00	10.21
82	t	Octadecane	0.359	0.403	-12.3	98	0.00	8.45
83	I	Chrysene-d12	1.000	1.000	0.0	96	0.00	12.39
84	t	Benzidine	0.704	0.644	8.5	84	0.00	10.45
85	t	Pyrene	1.322	1.386	-4.8	96	0.00	10.53
86	S	Terphenyl-d14	0.936	0.984	-5.1	96	0.00	10.81
			True	Calc.	% Drift			
87	t	Butylbenzylphthalate	50.000	56.055	-12.1	104	0.00	11.61
			AvgRF	CCRF	% Dev			
88	t	Benzo[a]anthracene	1.189	1.285	-8.1	96	0.00	12.36
89	t	3,3'-Dichlorobenzidine	0.423	0.505	-19.4	94	0.00	12.38
90	t	Chrysene	1.266	1.294	-2.2	96	0.00	12.42
			True	Calc.	% Drift			
91	t	bis(2-Ethylhexyl)phthalat	50.000	54.062	-8.1	100	0.00	12.55
			AvgRF	CCRF	% Dev			
92	I	Perylene-d12	1.000	1.000	0.0	98	0.00	14.48
			True	Calc.	% Drift			
93	t	Di-n-octylphthalate	50.000	55.219	-10.4	104	0.00	13.53
			AvgRF	CCRF	% Dev			
94	t	Benzo[b]fluoranthene	1.133	1.273	-12.4	96	0.00	13.96
95	t	Benzo[k]fluoranthene	1.143	1.257	-10.0	97	0.00	14.00
96	t	Benzo[a]pyrene	0.939	1.083	-15.3	98	0.00	14.39
			True	Calc.	% Drift			
97	t	Indeno[1,2,3-cd]pyrene	50.000	54.872	-9.7	103	0.00	15.85
			AvgRF	CCRF	% Dev			
98	t	Dibenz(a,h)acridine	0.847	0.975	-15.1	104	0.00	15.55
99	t	Dibenz[a,h]anthracene	0.991	1.175	-18.6	101	0.00	15.89
100	t	7,12-Dimethylbenz(a)anthr	0.493	0.520	-5.5	95	0.00	13.96
101	t	Benzo[g,h,i]perylene	0.951	1.099	-15.6	99	0.00	16.21

(#) = Out of Range SPCC's out = 0 CCC's out = 0
f223230.D MF9899.M Mon Dec 02 19:28:18 2024

8.8.34

8

Continuing Calibration Summary

Job Number: JE1300 **Sample:** EF9918-CC9895
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** F223231.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : X:\Dayton SVOA GCMS\...eleb\ef9918\f223231.D Vial: 4
Acq On : 2 Dec 2024 10:28 am Operator: kaleigh
Sample : cc9895-50 Inst : GCMSF
Misc : op58797,ef9918,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : X:\Dayton SVOA G...methods\MF9899.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Dec 02 19:22:44 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
157 I	1,4-Dichlorobenzene-d4b	1.000	1.000	0.0	125	0.00	4.69
158	Benzaldehyde	1.145	0.928	19.0	110	-0.02	4.38
159 I	Phenanthrene-d10b	1.000	1.000	0.0	146	0.00	8.56
160	Atrazine	0.190	0.188	1.1	130	0.00	8.24
161 I	Naphthalene-d8b	1.000	1.000	0.0	125	0.00	5.59
162	Caprolactam	0.138	0.127	8.0	114	0.00	5.89

(#) = Out of Range SPCC's out = 0 CCC's out = 0
f223230.D MF9899.M Mon Dec 02 19:28:22 2024

8.8.35

8

Initial Calibration Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EP7558-ICC7558
Lab FileID: P161754.D

Response Factor Report GCMSP

Method : C:\MSDCHEM\1\METHODS\MP7558.M (RTE Integrator)
Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
Last Update : Mon Sep 16 10:44:41 2024
Response via : Initial Calibration

Calibration Files
2 =p161750.D 5 =p161751.D 25 =p161753.D 80 =p161755.D
100 =p161756.D 50 =p161754.D 10 =p161752.D 1 =p161749.D

Compound	2	5	25	80	100	50	10	1	Avg	%RSD
158) I 1,4-Dichlorobenzene-d	ISTD									
159) Benzaldehyde	1.217	1.256	1.145	1.237	1.370	1.057	1.252		1.219	8.02
160) I Phenanthrene-d10b	ISTD									
161) Atrazine	0.176	0.185	0.202	0.191	0.198	0.191	0.194	0.193	0.191	4.15
162) Naphthalene-d8b	ISTD									
163) Caprolactam	0.165	0.171	0.166	0.177	0.188	0.154	0.171		0.170	6.21

(#) = Out of Range ### Number of calibration levels exceeded format ###

MP7558.M Fri Sep 20 09:16:00 2024

8.8.36

8

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EP7558-ICV7558
Lab FileID: P161759.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ep7558\p161759.D Vial: 20
Acq On : 14 Sep 2024 12:35 am Operator: rocquans
Sample : icv7558-50 Inst : GCMSP
Misc : op55750,ep7558,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\METHODS\mp7558.M (RTE Integrator)
Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
Last Update : Mon Sep 16 10:44:41 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
158 I	1,4-Dichlorobenzene-d4b	1.000	1.000	0.0	102	0.00	4.68
159	Benzaldehyde	1.219	1.069	12.3	103	0.00	4.38
160 I	Phenanthrene-d10b	1.000	1.000	0.0	98	0.00	8.90
161	Atrazine	0.191	0.196	-2.6	101	0.00	8.51
162	Naphthalene-d8b	1.000	1.000	0.0	99	0.00	5.58
163	Caprolactam	0.170	0.155	8.8	100	0.00	5.88

(#) = Out of Range SPCC's out = 0 CCC's out = 0
p161754a.D mp7558.M Mon Sep 16 10:47:06 2024

8.8.37

8

Initial Calibration Summary

Job Number: JE1300 **Sample:** EP7559-ICC7559
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** P161762.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Response Factor Report GCMSP

Method : C:\MSDCHEM\1\METHODS\MP7559.M (RTE Integrator)
Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
Last Update : Tue Sep 17 10:28:43 2024
Response via : Initial Calibration

Calibration Files
2 =p161764.D 5 =p161765.D 25 =p161767.D 80 =p161768.D
100 =p161769.D 50 =p161762.D 10 =p161766.D 1 =p161763.D

Compound	2	5	25	80	100	50	10	1	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	ISTD									
2) 1,4-Dioxane	0.533	0.535	0.501	0.486	0.520	0.496	0.502	0.501	0.509	3.56
3) Pyridine	1.192	1.287	1.400	1.367	1.466	1.419	1.418	1.467	1.377	6.86
4) N-Nitrosodim	0.638	0.567	0.609	0.604	0.689	0.644	0.674	0.739	0.646	8.41
5) 2-Fluorophen	1.039	1.111	1.236	1.233	1.297	1.234	1.188	1.213	1.194	6.85
6) Indene	2.012	2.155	2.190	2.012	2.067	2.086	2.172	2.284	2.122	4.47
7) Cumene	2.461	2.477	2.608	2.530	2.652	2.559	2.589	2.689	2.571	3.12
8) Phenol-d5	1.286	1.367	1.483	1.463	1.566	1.482	1.427	1.390	1.433	5.98
9) Phenol	1.429	1.473	1.614	1.562	1.651	1.593	1.602	1.510	1.554	4.92
10) Aniline	1.839	1.919	1.979	1.854	1.885	1.950	1.985	2.014	1.928	3.35
11) bis(2-Chloro	1.124	1.102	1.189	1.117	1.200	1.157	1.210	1.224	1.165	4.02
12) 2-Chlorophen	1.215	1.321	1.360	1.328	1.354	1.347	1.350	1.412	1.336	4.19
13) Decane	1.525	1.439	1.507	1.376	1.496	1.504	1.651	1.832	1.541	9.16
14) 1,3-Dichloro	1.395	1.495	1.546	1.445	1.480	1.475	1.522	1.486	1.480	3.11
15) 1,4-Dichloro	1.439	1.546	1.563	1.444	1.486	1.481	1.514	1.600	1.509	3.80
16) Benzyl alcoh	0.712	0.785	0.845	0.824	0.875	0.856	0.831	0.781	0.814	6.44
17) 1,2-Dichloro	1.397	1.435	1.505	1.388	1.432	1.414	1.452	1.562	1.448	4.06
18) Acetophenone	1.821	1.805	1.864	1.692	1.803	1.806	1.910	1.960	1.832	4.41
19) 2-Methylphen	1.092	1.144	1.183	1.127	1.192	1.153	1.187	1.186	1.158	3.08
20) 2,2'-oxybis(	0.308	0.361	0.338	0.319	0.328	0.331	0.348	0.352	0.336	5.29
21) 3&4-Methylph	1.093	1.179	1.243	1.150	1.194	1.204	1.230	1.257	1.194	4.49
22) n-Nitroso-di	0.801	0.846	0.862	0.805	0.887	0.877	0.908	0.953	0.867	5.89
23) Hexachloroet	0.496	0.557	0.570	0.534	0.548	0.537	0.523	0.538	0.538	4.14
24) I Naphthalene-d8	ISTD									
25) Nitrobenzene	0.279	0.280	0.306	0.293	0.321	0.309	0.309	0.310	0.301	5.00
26) Nitrobenzene	0.284	0.294	0.331	0.303	0.331	0.313	0.324	0.324	0.313	5.63
27) Quinoline	0.602	0.643	0.693	0.660	0.715	0.689	0.646	0.667	0.664	5.31
28) Isophorone	0.560	0.563	0.609	0.570	0.626	0.604	0.607	0.648	0.598	5.26
29) 2-Nitropheno	0.121	0.133	0.166	0.169	0.182	0.174	0.144	0.144	0.154	14.06
30) 2,4-Dimethyl	0.315	0.320	0.346	0.315	0.332	0.331	0.333	0.345	0.330	3.70
31) Benzoic acid	0.092	0.177	0.220	0.254	0.201	0.111			0.176	35.82
---- Quadratic regression ---- Coefficient = 0.9985										
Response Ratio = -0.01015 + 0.15975 *A + 0.03725 *A^2										
32) bis(2-Chloro	0.370	0.362	0.391	0.360	0.391	0.377	0.387	0.400	0.380	3.81
33) 2,4-Dichloro	0.244	0.281	0.308	0.285	0.298	0.293	0.277	0.297	0.285	6.77
34) 2,6-Dichloro	0.244	0.279	0.300	0.270	0.283	0.280	0.272	0.305	0.279	6.72
35) 1,3,5-Trichl	0.323	0.356	0.371	0.328	0.341	0.337	0.339	0.379	0.347	5.79
36) 1,2,4-Trichl	0.307	0.329	0.355	0.320	0.331	0.327	0.318	0.343	0.329	4.58
37) 1,2,3-Trichl	0.308	0.326	0.338	0.303	0.314	0.309	0.314	0.334	0.318	4.04
38) Naphthalene	0.946	0.983	1.025	0.921	0.967	0.951	0.984	1.066	0.980	4.73
39) 4-Chloroanil	0.400	0.408	0.436	0.393	0.417	0.411	0.409	0.452	0.416	4.66
40) 2,3-Dichloro	0.297	0.310	0.336	0.304	0.328	0.319	0.314	0.350	0.320	5.49
41) Hydroquinone	0.156	0.181	0.227	0.239	0.220	0.226	0.195	0.169	0.202	15.12
42) Hexachlorobu	0.184	0.209	0.216	0.194	0.199	0.196	0.191	0.204	0.199	5.18

Initial Calibration Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EP7559-ICC7559
Lab FileID: P161762.D

43)	4-Chloro-3-m	0.215	0.257	0.281	0.268	0.296	0.280	0.262	0.268	0.266	9.05
44)	2-Methylnaph	0.593	0.605	0.649	0.601	0.627	0.616	0.603	0.628	0.615	3.01
45)	1-Methylnaph	0.593	0.626	0.665	0.604	0.635	0.620	0.602	0.651	0.624	4.00
46)	I Acenaphthene-d10	----------ISTD----------									
47)	Hexachlorocy	0.255	0.285	0.329	0.302	0.329	0.281	0.297			9.77
	---- Quadratic regression ---- Coefficient = 0.9982										
	Response Ratio = -0.01224 + 0.34535 *A + -0.00907 *A^2										
48)	1,2,4,5-Tetr	0.602	0.665	0.671	0.580	0.600	0.612	0.636	0.666	0.629	5.60
49)	2,4,6-Trichl	0.351	0.389	0.419	0.378	0.400	0.405	0.389	0.388	0.390	5.19
50)	2,4,5-Trichl	0.406	0.426	0.458	0.420	0.433	0.427	0.424	0.413	0.426	3.64
51)	2-Fluorobiph	1.344	1.437	1.453	1.284	1.337	1.345	1.414	1.447	1.383	4.57
52)	2-Chloronaph	1.168	1.213	1.226	1.081	1.136	1.137	1.188	1.206	1.169	4.19
53)	Biphenyl	1.490	1.534	1.567	1.420	1.488	1.482	1.528	1.608	1.515	3.81
54)	2-Nitroanili	0.232	0.242	0.297	0.287	0.332	0.314	0.306	0.270	0.285	12.26
55)	Dimethylphth	1.336	1.370	1.419	1.322	1.412	1.403	1.331	1.464	1.382	3.65
56)	Acenaphthyle	1.514	1.565	1.663	1.527	1.595	1.613	1.599	1.625	1.588	3.13
57)	2,6-Dinitrot	0.191	0.211	0.265	0.265	0.290	0.274	0.232	0.197	0.241	15.69
58)	3-Nitroanili	0.253	0.326	0.320	0.353	0.336	0.291	0.313			11.49
59)	Acenaphthene	1.196	1.259	1.299	1.163	1.225	1.226	1.242	1.351	1.245	4.71
60)	2,4-Dinitrop	0.025	0.043	0.102	0.136	0.157	0.125	0.062	0.093		54.04
	---- Quadratic regression ---- Coefficient = 0.9980										
	Response Ratio = -0.00850 + 0.08716 *A + 0.01398 *A^2										
61)	4-Nitropheno	0.091	0.134	0.144	0.167	0.143	0.123	0.134			18.94
62)	Dibenzofuran	1.690	1.764	1.826	1.638	1.713	1.730	1.736	1.918	1.752	4.94
63)	2,4-Dinitrot	0.234	0.271	0.347	0.340	0.368	0.373	0.305	0.276	0.314	16.07
64)	2,3,4,6-Tetr	0.296	0.326	0.379	0.362	0.378	0.375	0.342	0.330	0.349	8.60
65)	Diethylphtha	1.299	1.358	1.447	1.362	1.467	1.450	1.385	1.495	1.408	4.76
66)	Fluorene	1.234	1.341	1.420	1.279	1.343	1.371	1.345	1.432	1.346	4.92
67)	4-Chlorophen	0.655	0.684	0.707	0.631	0.650	0.670	0.655	0.698	0.669	3.87
68)	4-Nitroanili	0.231	0.258	0.277	0.283	0.315	0.297	0.259	0.230	0.269	11.21
69)	I Phenanthrene-d10	----------ISTD----------									
70)	4,6-Dinitro-	0.051	0.082	0.087	0.098	0.094	0.063	0.079			23.06
	---- Quadratic regression ---- Coefficient = 0.9972										
	Response Ratio = -0.00515 + 0.08810 *A + 0.00372 *A^2										
71)	n-Nitrosodip	0.532	0.592	0.606	0.535	0.565	0.570	0.591	0.608	0.575	5.17
72)	1,2-Diphenyl	0.609	0.578	0.612	0.549	0.611	0.603	0.680	0.646	0.611	6.47
73)	2,4,6-Tribro	0.085	0.090	0.105	0.099	0.104	0.103	0.093	0.087	0.096	8.47
74)	4-Bromopheny	0.198	0.205	0.219	0.203	0.211	0.210	0.198	0.204	0.206	3.44
75)	Hexachlorobe	0.219	0.239	0.244	0.225	0.231	0.230	0.230	0.234	0.232	3.42
76)	Pentachlorop	0.122	0.140	0.162	0.155	0.163	0.166	0.141	0.135	0.148	10.74
77)	Phenanthrene	0.979	1.024	1.041	0.945	0.989	1.001	1.013	1.106	1.012	4.75
78)	Anthracene	0.934	0.992	1.047	0.934	0.991	1.006	0.998	1.038	0.993	4.18
79)	Carbazole	0.895	0.928	0.961	0.906	0.972	0.946	0.928	0.987	0.940	3.40
80)	Di-n-butylph	1.021	1.095	1.263	1.214	1.317	1.301	1.169	1.182	1.195	8.50
81)	Fluoranthene	1.057	1.170	1.279	1.206	1.260	1.272	1.134	1.211	1.199	6.38
82)	Octadecane	0.411	0.428	0.475	0.436	0.496	0.474	0.514	0.474	0.464	7.63
83)	I Chrysene-d12	----------ISTD----------									
84)	Benzidine	0.698	0.679	0.787	0.723	0.664	0.805	0.716	0.780	0.731	7.25
85)	Pyrene	1.318	1.376	1.417	1.255	1.371	1.343	1.394	1.377	1.357	3.75
86)	Terphenyl-d1	0.888	0.954	1.002	0.920	0.995	0.978	0.952	0.986	0.959	4.09
87)	Butylbenzylp	0.385	0.425	0.557	0.567	0.651	0.608	0.506	0.436	0.517	18.38
88)	Benzo[a]anth	1.182	1.253	1.344	1.263	1.365	1.328	1.240	1.416	1.299	5.92
89)	3,3'-Dichlor	0.424	0.442	0.470	0.469	0.512	0.481	0.449	0.465	0.464	5.76

Initial Calibration Summary

Job Number: JE1300 **Sample:** EP7559-ICC7559
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** P161762.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

90)	Chrysene	1.157	1.244	1.250	1.119	1.195	1.195	1.217	1.317	1.212	5.01
91)	bis(2-Ethylh	0.639	0.698	0.851	0.831	0.938	0.901	0.803	0.759	0.802	12.53
92)	I Perylene-d12	----------ISTD----------									
93)	Di-n-octylph	0.905	0.961	1.320	1.293	1.506	1.437	1.190	1.053	1.208	18.19
94)	Benzo[b]fluo	1.060	1.120	1.255	1.172	1.290	1.226	1.126	1.192	1.180	6.49
95)	Benzo[k]fluo	1.106	1.199	1.236	1.023	1.067	1.135	1.184	1.235	1.148	6.85
96)	Benzo[a]pyre	0.909	0.977	1.091	1.006	1.080	1.070	0.982	1.030	1.018	6.11
97)	Indeno[1,2,3	0.980	1.037	1.163	1.098	1.183	1.150	1.040	1.120	1.096	6.52
98)	Dibenz(a,h)a	0.797	0.841	0.987	0.944	1.024	0.988	0.856	0.905	0.918	8.85
99)	Dibenz[a,h]a	0.992	1.013	1.132	1.024	1.105	1.096	1.042	1.091	1.062	4.77
100)	7,12-Dimethy	0.318	0.362	0.437	0.456	0.479	0.453	0.375	0.356	0.405	14.55
101)	Benzo[g,h,i]	0.970	1.043	1.141	1.036	1.123	1.094	1.018	1.148	1.072	6.02

(#) = Out of Range ### Number of calibration levels exceeded format ###

MP7559.M Tue Sep 17 10:39:48 2024

8.8.38

8

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EP7559-ICV7559
Lab FileID: P161770.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ep7559\p161770.D Vial: 18
Acq On : 16 Sep 2024 2:58 pm Operator: kaleigh
Sample : icv7559-50 Inst : GCMSP
Misc : op55750,ep7559,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MP7559.M (RTE Integrator)
Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
Last Update : Tue Sep 17 12:16:05 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00	4.68
2	t	1,4-Dioxane	0.509	0.523	-2.8	106	0.00	2.62
6	t	Indene	2.122	2.270	-7.0	110	0.00	4.86
7	t	Cumene	2.571	2.729	-6.1	107	0.00	4.13
11	t	bis(2-Chloroethyl)ether	1.165	1.235	-6.0	107	0.00	4.49
13	t	Decane	1.541	1.676	-8.8	112	0.00	4.57
14	t	1,3-Dichlorobenzene	1.480	1.572	-6.2	107	0.00	4.64
15	t	1,4-Dichlorobenzene	1.509	1.555	-3.0	106	0.00	4.69
16	t	Benzyl alcohol	0.814	0.868	-6.6	102	0.00	4.77
17	t	1,2-Dichlorobenzene	1.448	1.487	-2.7	106	0.00	4.80
18	t	Acetophenone	1.832	1.887	-3.0	105	0.00	4.96
20	t	2,2'-oxybis(1-Chloropropa	0.336	0.345	-2.7	105	0.00	4.87
23	t	Hexachloroethane	0.538	0.561	-4.3	105	0.00	5.04
24	I	Naphthalene-d8	1.000	1.000	0.0	95	0.00	5.58
26	t	Nitrobenzene	0.313	0.340	-8.6	103	0.00	5.08
27	t	Quinoline	0.664	0.693	-4.4	96	-0.02	5.83
28	t	Isophorone	0.598	0.654	-9.4	103	-0.01	5.25

		----------	AvgRF	CCRF	% Dev	----------		
32	t	bis(2-Chloroethoxy)methan	0.380	0.413	-8.7	104	0.00	5.40
35		1,3,5-Trichlorobenzene	0.347	0.371	-6.9	105	0.00	5.32
36	t	1,2,4-Trichlorobenzene	0.329	0.342	-4.0	100	0.00	5.53
37		1,2,3-Trichlorobenzene	0.318	0.336	-5.7	104	0.00	5.70
38	t	Naphthalene	0.980	1.056	-7.8	106	0.00	5.59
40	t	2,3-Dichloroaniline	0.320	0.340	-6.3	102	0.00	6.32
42	t	Hexachlorobutadiene	0.199	0.212	-6.5	103	0.00	5.68
44	t	2-Methylnaphthalene	0.615	0.655	-6.5	101	0.00	6.10
45	t	1-Methylnaphthalene	0.624	0.659	-5.6	101	0.00	6.18
46	I	Acenaphthene-d10	1.000	1.000	0.0	92	0.00	7.01

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EP7559-ICV7559
Lab FileID: P161770.D

			AvgRF	CCRF	% Dev			
48		1,2,4,5-Tetrachlorobenzen	0.629	0.642	-2.1	96	0.00	6.23
52	t	2-Chloronaphthalene	1.169	1.245	-6.5	100	0.00	6.49
53	t	Biphenyl	1.515	1.619	-6.9	100	0.00	6.48
55	t	Dimethylphthalate	1.382	1.435	-3.8	94	0.00	6.75
56	t	Acenaphthylene	1.588	1.874	-18.0	107	0.00	6.87
57	t	2,6-Dinitrotoluene	0.241	0.271	-12.4	91	0.00	6.81
59	t	Acenaphthene	1.245	1.327	-6.6	99	0.00	7.04
62	t	Dibenzofuran	1.752	1.831	-4.5	97	0.00	7.22
63	t	2,4-Dinitrotoluene	0.314	0.370	-17.8	91	0.00	7.21
65	t	Diethylphthalate	1.408	1.508	-7.1	95	-0.01	7.48
66	t	Fluorene	1.346	1.433	-6.5	96	0.00	7.61
67	t	4-Chlorophenyl-phenylethe	0.669	0.688	-2.8	94	0.00	7.61
69	I	Phenanthrene-d10	1.000	1.000	0.0	88	0.00	8.90
72	t	1,2-Diphenylhydrazine	0.611	0.692	-13.3	101	0.00	7.81
74	t	4-Bromophenyl-phenylether	0.206	0.224	-8.7	94	0.00	8.25
75	t	Hexachlorobenzene	0.232	0.241	-3.9	92	0.00	8.32
77	t	Phenanthrene	1.012	1.074	-6.1	95	0.00	8.94
78	t	Anthracene	0.993	1.082	-9.0	95	0.00	9.02
79	t	Carbazole	0.940	1.045	-11.2	97	0.00	9.29
80	t	Di-n-butylphthalate	1.195	1.367	-14.4	93	0.00	10.02
81	t	Fluoranthene	1.199	1.320	-10.1	92	0.00	11.08
82	t	Octadecane	0.464	0.545	-17.5	101	0.00	8.83
83	I	Chrysene-d12	1.000	1.000	0.0	84	0.00	14.18
85	t	Pyrene	1.357	1.466	-8.0	92	0.00	11.52
87	t	Butylbenzylphthalate	0.517	0.649	-25.5	90	0.00	13.16
88	t	Benzo[a]anthracene	1.299	1.390	-7.0	88	0.00	14.16
90	t	Chrysene	1.212	1.304	-7.6	92	-0.01	14.24
91	t	bis(2-Ethylhexyl)phthalat	0.802	0.965	-20.3	90	0.00	14.59
92	I	Perylene-d12	1.000	1.000	0.0	82	-0.01	17.22
93	t	Di-n-octylphthalate	1.208	1.564	-29.5	89	0.00	16.04
94	t	Benzo[b]fluoranthene	1.180	1.314	-11.4	88	-0.01	16.48
95	t	Benzo[k]fluoranthene	1.148	1.259	-9.7	91	0.00	16.55
96	t	Benzo[a]pyrene	1.018	1.152	-13.2	88	0.00	17.12
97	t	Indeno[1,2,3-cd]pyrene	1.096	1.216	-10.9	86	0.00	19.19
98	t	Dibenz(a,h)acridine	0.918	1.059	-15.4	88	-0.01	18.82
99	t	Dibenz[a,h]anthracene	1.062	1.169	-10.1	87	0.00	19.25
100	t	7,12-Dimethylbenz(a)anthr	0.405	0.431	-6.4	78	0.00	16.50
101	t	Benzo[g,h,i]perylene	1.072	1.170	-9.1	87	0.00	19.62

8.8.39

8

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EP7559-ICV7559
Lab FileID: P161770.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
p161762.D MP7559.M Fri Sep 20 08:39:20 2024

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EP7559-ICV7559
Lab FileID: P161771.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ep7559\p161771.D Vial: 19
Acq On : 16 Sep 2024 3:23 pm Operator: kaleigh
Sample : icv7559-50 Inst : GCMSP
Misc : op55750,ep7559,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MP7559.M (RTE Integrator)
Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
Last Update : Tue Sep 17 10:28:43 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	111	0.00	4.68
9	t	Phenol	1.554	1.550	0.3	108	0.00	4.42
12	t	2-Chlorophenol	1.336	1.299	2.8	107	0.00	4.53
19	t	2-Methylphenol	1.158	1.123	3.0	108	0.00	4.84
21	t	3&4-Methylphenol	1.194	1.177	1.4	109	0.00	4.95
24	I	Naphthalene-d8	1.000	1.000	0.0	106	0.00	5.58
29	t	2-Nitrophenol	0.154	0.166	-7.8	101	0.00	5.31
30	t	2,4-Dimethylphenol	0.330	0.337	-2.1	108	0.00	5.33
			True	Calc.	% Drift			
31	t	Benzoic acid	50.000	52.684	-5.4	112	-0.01	5.41
			AvgRF	CCRF	% Dev			
33	t	2,4-Dichlorophenol	0.285	0.286	-0.4	104	0.00	5.47
34		2,6-Dichlorophenol	0.279	0.285	-2.2	108	0.00	5.63
41	t	Hydroquinone	0.202	0.324	-60.4#	152	0.04	5.90
43	t	4-Chloro-3-methylphenol	0.266	0.281	-5.6	107	0.00	5.97
46	I	Acenaphthene-d10	1.000	1.000	0.0	105	0.00	7.01
49	t	2,4,6-Trichlorophenol	0.390	0.401	-2.8	104	0.00	6.31
50	t	2,4,5-Trichlorophenol	0.426	0.408	4.2	101	0.00	6.34
			True	Calc.	% Drift			
60	t	2,4-Dinitrophenol	100.000	103.942	-3.9	105	-0.01	7.07
			AvgRF	CCRF	% Dev			
61	t	4-Nitrophenol	0.134	0.154	-14.9	113	0.00	7.12
64		2,3,4,6-Tetrachlorophenol	0.349	0.356	-2.0	100	0.00	7.35

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EP7559-ICV7559
Lab FileID: P161771.D

				True	Calc.	% Drift			
69	I	Phenanthrene-d10		1.000	1.000	0.0	101	-0.01	8.90
70	t	4,6-Dinitro-2-methylpheno		50.000	47.677	4.6	91	-0.02	7.67
76	t	Pentachlorophenol		0.148	0.147	0.7	90	-0.01	8.61

(#) = Out of Range SPCC's out = 0 CCC's out = 0
p161762.D MP7559.M Tue Sep 17 10:40:03 2024

8.8.40

8

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EP7559-ICV7559
Lab FileID: P161772.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ep7559\p161772.D Vial: 20
Acq On : 16 Sep 2024 3:47 pm Operator: kaleigh
Sample : icv7559-50 Inst : GCMSP
Misc : op55750,ep7559,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MP7559.M (RTE Integrator)
Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
Last Update : Tue Sep 17 10:28:43 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	116	0.00	4.68
3	t	Pyridine	1.377	1.362	1.1	111	0.00	2.86
4	t	N-Nitrosodimethylamine	0.646	0.585	9.4	105	0.00	2.83
10	t	Aniline	1.928	1.921	0.4	114	0.00	4.45
22		n-Nitroso-di-n-propylamin	0.867	0.888	-2.4	118	-0.01	4.96
24	I	Naphthalene-d8	1.000	1.000	0.0	115	0.00	5.58
39	t	4-Chloroaniline	0.416	0.405	2.6	113	0.00	5.63
46	I	Acenaphthene-d10	1.000	1.000	0.0	108	0.00	7.01
54	t	2-Nitroaniline	0.285	0.311	-9.1	107	0.00	6.58
58	t	3-Nitroaniline	0.313	0.322	-2.9	104	0.00	6.97
68	t	4-Nitroaniline	0.269	0.307	-14.1	112	-0.01	7.63
69	I	Phenanthrene-d10	1.000	1.000	0.0	102	-0.01	8.90
		---------- AvgRF	CCRF	% Dev	----------			
71	t	n-Nitrosodiphenylamine	0.575	0.575	0.0	103	0.00	7.76
83	I	Chrysene-d12	1.000	1.000	0.0	95	-0.02	14.17
84	t	Benzidine	0.731	0.798	-9.2	94	-0.01	11.43
89	t	3,3'-Dichlorobenzidine	0.464	0.479	-3.2	94	-0.01	14.20

(#) = Out of Range SPCC's out = 0 CCC's out = 0
p161762.D MP7559.M Tue Sep 17 10:40:05 2024

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EP7561-ICV7559
Lab FileID: P161778.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ep7561\p161778.D Vial: 3
Acq On : 18 Sep 2024 4:42 pm Operator: jackleey
Sample : icv7559-50 Inst : GCMSP
Misc : op55750,ep7561,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MP7559.M (RTE Integrator)
Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
Last Update : Tue Sep 17 12:16:05 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
46 I	Acenaphthene-d10	1.000	1.000	0.0	82	0.02	7.03
	---------- True	Calc.	% Drift	----------			
47 t	Hexachlorocyclopentadiene	100.000	72.375	27.6	58	0.00	6.23

(#) = Out of Range SPCC's out = 0 CCC's out = 0
p161762.D MP7559.M Fri Sep 20 09:01:04 2024

8.8.42

8

Continuing Calibration Summary

Job Number: JE1300 **Sample:** EP7624-CC7558
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** P163368.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : X:\Dayton SVOA GCMS\...rose\EP7624\p163368.d Vial: 2
Acq On : 4 Dec 2024 2:33 pm Operator: anthonyo
Sample : cc7558-50 Inst : GCMSP
Misc : op55750,ep7624,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : X:\Dayton SVOA G...methods\MP7559.M (RTE Integrator)
Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
Last Update : Thu Dec 05 05:41:19 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	106	0.00	4.52
2	t	1,4-Dioxane	0.509	0.408	19.8	87	0.00	2.09
3	t	Pyridine	1.377	1.086	21.1#	81	0.00	2.40
4	t	N-Nitrosodimethylamine	0.646	0.633	2.0	104	0.00	2.37
5	S	2-Fluorophenol	1.194	1.113	6.8	95	0.00	3.56
6	t	Indene	2.122	1.985	6.5	101	0.00	4.71
7	t	Cumene	2.571	2.338	9.1	97	0.00	3.92
8	S	Phenol-d5	1.433	1.263	11.9	90	0.00	4.29
9	t	Phenol	1.554	1.498	3.6	99	0.00	4.30
10	t	Aniline	1.928	1.575	18.3	85	0.00	4.28
11	t	bis(2-Chloroethyl)ether	1.165	0.951	18.4	87	0.00	4.33
12	t	2-Chlorophenol	1.336	1.244	6.9	98	0.00	4.38
13	t	Decane	1.541	1.027	33.4#	72	0.00	4.40
14	t	1,3-Dichlorobenzene	1.480	1.463	1.1	105	0.00	4.48
15	t	1,4-Dichlorobenzene	1.509	1.461	3.2	104	0.00	4.53
16	t	Benzyl alcohol	0.814	0.749	8.0	93	0.00	4.64
17	t	1,2-Dichlorobenzene	1.448	1.413	2.4	106	0.00	4.64
18	t	Acetophenone	1.832	1.671	8.8	98	0.00	4.82
19	t	2-Methylphenol	1.158	1.027	11.3	94	0.00	4.74
20	t	2,2'-oxybis(1-Chloropropa	0.336	0.313	6.8	100	0.00	4.72
21	t	3&4-Methylphenol	1.194	1.049	12.1	92	0.00	4.85
22		n-Nitroso-di-n-propylamin	0.867	0.737	15.0	89	0.00	4.82
23	t	Hexachloroethane	0.538	0.647	-20.3#	127	0.00	4.88
24	I	Naphthalene-d8	1.000	1.000	0.0	91	0.00	5.45
25	S	Nitrobenzene-d5	0.301	0.327	-8.6	96	0.00	4.94
26	t	Nitrobenzene	0.313	0.341	-8.9	99	0.00	4.95
27	t	Quinoline	0.664	0.713	-7.4	94	0.00	5.72
28	t	Isophorone	0.598	0.578	3.3	87	0.00	5.12
29	t	2-Nitrophenol	0.154	0.217	-40.9#	113	0.00	5.18
30	t	2,4-Dimethylphenol	0.330	0.369	-11.8	101	0.00	5.22
		----------	True	Calc.	% Drift	----------		
31	t	Benzoic acid	50.000	49.736	0.5	89	0.00	5.35
		----------	AvgRF	CCRF	% Dev	----------		
32	t	bis(2-Chloroethoxy)methan	0.380	0.353	7.1	85	0.00	5.27
33	t	2,4-Dichlorophenol	0.285	0.350	-22.8#	108	0.00	5.37
34		2,6-Dichlorophenol	0.279	0.334	-19.7	108	0.00	5.52
35		1,3,5-Trichlorobenzene	0.347	0.412	-18.7	110	0.00	5.18
36	t	1,2,4-Trichlorobenzene	0.329	0.387	-17.6	107	0.00	5.41
37		1,2,3-Trichlorobenzene	0.318	0.370	-16.4	108	0.00	5.57

Continuing Calibration Summary

Job Number: JE1300 **Sample:** EP7624-CC7558
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** P163368.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

38	t	Naphthalene	0.980	0.984	-0.4	94	0.00	5.46
39	t	4-Chloroaniline	0.416	0.429	-3.1	95	0.00	5.52
40	t	2,3-Dichloroaniline	0.320	0.382	-19.4	108	0.00	6.19
41	t	Hydroquinone	0.202	0.287	-42.1#	115	0.00	5.79
42	t	Hexachlorobutadiene	0.199	0.273	-37.2#	126	0.00	5.55
43	t	4-Chloro-3-methylphenol	0.266	0.319	-19.9	103	0.00	5.89
44	t	2-Methylnaphthalene	0.615	0.675	-9.8	99	0.00	5.97
45	t	1-Methylnaphthalene	0.624	0.683	-9.5	100	0.00	6.04
46	I	Acenaphthene-d10	1.000	1.000	0.0	99	0.00	6.84
		----------	True	Calc.	% Drift	----------		
47	t	Hexachlorocyclopentadiene	100.000	53.039	47.0#	52	0.00	6.08
		----------	AvgRF	CCRF	% Dev	----------		
48		1,2,4,5-Tetrachlorobenzen	0.629	0.702	-11.6	114	0.00	6.10
49	t	2,4,6-Trichlorophenol	0.390	0.399	-2.3	98	0.00	6.20
50	t	2,4,5-Trichlorophenol	0.426	0.438	-2.8	102	0.00	6.25
51	S	2-Fluorobiphenyl	1.383	1.376	0.5	101	0.00	6.24
52	t	2-Chloronaphthalene	1.169	1.147	1.9	100	0.00	6.35
53	t	Biphenyl	1.515	1.470	3.0	98	0.00	6.33
54	t	2-Nitroaniline	0.285	0.309	-8.4	97	0.00	6.45
55	t	Dimethylphthalate	1.382	1.422	-2.9	100	0.00	6.59
56	t	Acenaphthylene	1.588	1.685	-6.1	103	0.00	6.71
57	t	2,6-Dinitrotoluene	0.241	0.327	-35.7#	119	0.00	6.66
58	t	3-Nitroaniline	0.313	0.342	-9.3	101	0.00	6.83
59	t	Acenaphthene	1.245	1.243	0.2	100	0.00	6.88
		----------	True	Calc.	% Drift	----------		
60	t	2,4-Dinitrophenol	100.000	114.349	-14.3	112	0.00	6.96
		----------	AvgRF	CCRF	% Dev	----------		
61	t	4-Nitrophenol	0.134	0.061	54.5#	42#	0.00	7.06
62	t	Dibenzofuran	1.752	1.757	-0.3	101	0.00	7.05
63	t	2,4-Dinitrotoluene	0.314	0.445	-41.7#	118	0.00	7.07
64		2,3,4,6-Tetrachlorophenol	0.349	0.239	31.5#	63	0.00	7.20
65	t	Diethylphthalate	1.408	1.495	-6.2	102	0.00	7.29
66	t	Fluorene	1.346	1.395	-3.6	101	0.00	7.43
67	t	4-Chlorophenyl-phenylethe	0.669	0.755	-12.9	112	0.00	7.41
68	t	4-Nitroaniline	0.269	0.326	-21.2#	109	0.00	7.48
69	I	Phenanthrene-d10	1.000	1.000	0.0	95	0.00	8.69
		----------	True	Calc.	% Drift	----------		
70	t	4,6-Dinitro-2-methylpheno	50.000	57.456	-14.9	105	0.00	7.54
		----------	AvgRF	CCRF	% Dev	----------		
71	t	n-Nitrosodiphenylamine	0.575	0.607	-5.6	101	0.00	7.56
72	t	1,2-Diphenylhydrazine	0.611	0.559	8.5	88	0.00	7.61
73	S	2,4,6-Tribromophenol	0.096	0.126	-31.3#	116	0.00	7.72
74	t	4-Bromophenyl-phenylether	0.206	0.268	-30.1#	121	0.00	8.03
75	t	Hexachlorobenzene	0.232	0.310	-33.6#	128	0.00	8.14
76	t	Pentachlorophenol	0.148	0.027#	81.8#	15#	0.00	8.44
77	t	Phenanthrene	1.012	1.048	-3.6	99	0.00	8.72
78	t	Anthracene	0.993	1.061	-6.8	100	0.00	8.80
79	t	Carbazole	0.940	1.014	-7.9	102	0.00	9.09
80	t	Di-n-butylphthalate	1.195	1.350	-13.0	98	0.00	9.75
81	t	Fluoranthene	1.199	1.384	-15.4	103	0.00	10.85
82	t	Octadecane	0.464	0.385	17.0	77	0.00	8.57

Continuing Calibration Summary

Job Number: JE1300 **Sample:** EP7624-CC7558
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** P163368.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

83	I	Chrysene-d12	1.000	1.000	0.0	109	0.00	13.96
84	t	Benzidine	0.731	0.624	14.6	84	0.00	11.20
85	t	Pyrene	1.357	1.261	7.1	102	0.00	11.30
86	S	Terphenyl-d14	0.959	0.965	-0.6	107	0.00	11.71
87	t	Butylbenzylphthalate	0.517	0.595	-15.1	107	0.00	12.87
88	t	Benzo[a]anthracene	1.299	1.286	1.0	105	0.00	13.94
89	t	3,3'-Dichlorobenzidine	0.464	0.514	-10.8	116	0.00	13.97
90	t	Chrysene	1.212	1.138	6.1	104	0.00	14.02
91	t	bis(2-Ethylhexyl)phthalat	0.802	0.825	-2.9	100	0.00	14.29
92	I	Perylene-d12	1.000	1.000	0.0	101	0.00	17.04
93	t	Di-n-octylphthalate	1.208	1.363	-12.8	95	0.00	15.74
94	t	Benzo[b]fluoranthene	1.180	1.230	-4.2	101	0.00	16.29
95	t	Benzo[k]fluoranthene	1.148	1.152	-0.3	102	0.00	16.35
96	t	Benzo[a]pyrene	1.018	1.085	-6.6	102	0.00	16.93
97	t	Indeno[1,2,3-cd]pyrene	1.096	1.214	-10.8	106	0.00	19.03
98	t	Dibenz(a,h)acridine	0.918	0.968	-5.4	98	0.00	18.65
99	t	Dibenz[a,h]anthracene	1.062	1.093	-2.9	100	0.00	19.07
100	t	7,12-Dimethylbenz(a)anthr	0.405	0.551	-36.0#	122	0.00	16.27
101	t	Benzo[g,h,i]perylene	1.072	1.032	3.7	95	0.00	19.46

(#) = Out of Range SPCC's out = 0 CCC's out = 0
p163368.d MP7559.M Thu Dec 05 05:42:24 2024

8.8.43

8

Continuing Calibration Summary

Job Number: JE1300 **Sample:** EP7624-CC7558
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** P163369.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : X:\Dayton SVOA GCMS\...rose\EP7624\p163369.d Vial: 3
Acq On : 4 Dec 2024 2:59 pm Operator: anthonyo
Sample : cc7558-50 Inst : GCMSP
Misc : op55750,ep7624,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : X:\Dayton SVOA G...methods\MP7559.M (RTE Integrator)
Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
Last Update : Thu Dec 05 05:41:19 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
158 I	1,4-Dichlorobenzene-d4b	1.000	1.000	0.0	104	0.00	4.52
159	Benzaldehyde	1.219	1.007	17.4	99	0.00	4.20
160 I	Phenanthrene-d10b	1.000	1.000	0.0	105	0.00	8.68
161	Atrazine	0.191	0.252	-31.9#	138	0.00	8.30
162	Naphthalene-d8b	1.000	1.000	0.0	94	0.00	5.45
163	Caprolactam	0.170	0.151	11.2	92	0.00	5.76

(#) = Out of Range SPCC's out = 0 CCC's out = 0
p163368.d MP7559.M Thu Dec 05 05:42:28 2024

8.8.44

8

Continuing Calibration Summary

Job Number: JE1300 **Sample:** EP7624-CC7559
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** P163370.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Low Level Verification Report

Data File : X:\Dayton SVOA GCMS\...rose\EP7624\p163370.d Vial: 4
Acq On : 4 Dec 2024 3:25 pm Operator: anthonyo
Sample : cc7559-1 Inst : GCMSP
Misc : op55750,ep7624,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : X:\Dayton SVOA G...methods\MP7559.M (RTE Integrator)
Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
Last Update : Thu Dec 05 05:41:19 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 100% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	125	0.00	4.52
3	t	Pyridine	1.377	0.790	42.6	67	0.05	2.45
13	t	Decane	1.541	1.370	11.1	93	0.00	4.39
46	I	Acenaphthene-d10	1.000	1.000	0.0	123	0.00	6.84
64		2,3,4,6-Tetrachlorophenol	0.349	0.176	49.6	65	0.03	7.23

(#) = Out of Range SPCC's out = 0 CCC's out = 0
p161749a.D MP7559.M Thu Dec 05 06:49:05 2024

Continuing Calibration Summary

Job Number: JE1300 **Sample:** EP7624-CC7559
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** P163373.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Low Level Verification Report

Data File : X:\Dayton SVOA GCMS\...rose\EP7624\p163373.d Vial: 6
Acq On : 4 Dec 2024 4:40 pm Operator: anthonyo
Sample : cc7559-5 Inst : GCMSP
Misc : op55750,ep7624,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : X:\Dayton SVOA G...methods\MP7559.M (RTE Integrator)
Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
Last Update : Thu Dec 05 05:41:19 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 100% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
46	I	Acenaphthene-d10	1.000	1.000	0.0	141	0.00	6.84
		----------	True	Calc.	% Drift	----------		
47	t	Hexachlorocyclopentadiene	10.000	1.696	83.0	5	0.00	6.08
61	t	4-Nitrophenol	0.134	0.027#	79.9	42#	0.04	7.09
69	I	Phenanthrene-d10	1.000	1.000	0.0	144	0.00	8.68
76	t	Pentachlorophenol	0.148	0.001#	99.3	1#	0.00	8.44

(#) = Out of Range SPCC's out = 0 CCC's out = 0
p161751a.D MP7559.M Thu Dec 05 06:50:08 2024

8.8.46

Run Sequence Report

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: E4P3698	**Method:** SW846 8270E	**Instrument ID:** GCMS4P

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
E4P3698-DFTPP	4P693994.D	11/27/24 13:51	n/a	DFTPP Tune
E4P3698-ICC3698	4P693995.D	11/27/24 14:14	n/a	Initial cal 50
E4P3698-IC3698	4P693996.D	11/27/24 14:37	n/a	Initial cal 1
E4P3698-IC3698	4P693997.D	11/27/24 15:00	n/a	Initial cal 2
E4P3698-IC3698	4P693998.D	11/27/24 15:22	n/a	Initial cal 5
E4P3698-IC3698	4P693999.D	11/27/24 15:46	n/a	Initial cal 10
E4P3698-IC3698	4P694000.D	11/27/24 16:08	n/a	Initial cal 25
E4P3698-IC3698	4P694001.D	11/27/24 16:31	n/a	Initial cal 80
E4P3698-IC3698	4P694002.D	11/27/24 16:54	n/a	Initial cal 100
E4P3698-IC3698	4P694003.D	11/27/24 17:17	n/a	Initial cal 1
E4P3698-IC3698	4P694004.D	11/27/24 17:39	n/a	Initial cal 2
E4P3698-IC3698	4P694005.D	11/27/24 18:02	n/a	Initial cal 5
E4P3698-IC3698	4P694006.D	11/27/24 18:25	n/a	Initial cal 10
E4P3698-IC3698	4P694007.D	11/27/24 18:48	n/a	Initial cal 25
E4P3698-IC3698	4P694008.D	11/27/24 19:11	n/a	Initial cal 50
E4P3698-IC3698	4P694009.D	11/27/24 19:34	n/a	Initial cal 80
E4P3698-IC3698	4P694010.D	11/27/24 19:56	n/a	Initial cal 100
E4P3698-ICV3698	4P694011.D	11/27/24 20:19	n/a	Initial cal verification 50
E4P3698-ICV3698	4P694012.D	11/27/24 20:42	n/a	Initial cal verification 50
E4P3698-ICV3698	4P694013.D	11/27/24 21:05	n/a	Initial cal verification 50
E4P3698-ICV3698	4P694014.D	11/27/24 21:28	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: E4P3701	**Method:** SW846 8270E	**Instrument ID:** GCMS4P

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
E4P3701-CC3698	4P694080.D	12/04/24 11:46	n/a	Continuing cal 50
E4P3701-CC3698	4P694081.D	12/04/24 12:10	n/a	Continuing cal 50
E4P3701-CC3698	4P694082.D	12/04/24 12:34	n/a	Continuing cal 10
ZZZZZZ	4P694084.D	12/04/24 13:22	OP59726	(unrelated sample)
ZZZZZZ	4P694085.D	12/04/24 13:45	OP59726	(unrelated sample)
ZZZZZZ	4P694086.D	12/04/24 14:09	OP59796	(unrelated sample)
ZZZZZZ	4P694087.D	12/04/24 14:32	OP59796	(unrelated sample)
JE910-1	4P694088.D	12/04/24 14:56	OP59627	(used for QC only; not part of job JE1300)
ZZZZZZ	4P694090.D	12/04/24 15:43	OP59809	(unrelated sample)
ZZZZZZ	4P694091.D	12/04/24 16:06	OP59809	(unrelated sample)
ZZZZZZ	4P694093.D	12/04/24 16:54	OP59729	(unrelated sample)
JE1300-7	4P694094.D	12/04/24 17:26	OP59832	GRID-18-W1
JE1300-10	4P694095.D	12/04/24 17:50	OP59832	GRID-4(2.0-2.5)
JE1300-12	4P694096.D	12/04/24 18:15	OP59832	GRID-4-N1
JE1300-14	4P694097.D	12/04/24 18:39	OP59832	GRID-4-S1
JE1300-16	4P694098.D	12/04/24 19:02	OP59832	GRID-4-E1
JE1300-18	4P694099.D	12/04/24 19:26	OP59832	GRID-4-W1
JE1300-20	4P694100.D	12/04/24 19:50	OP59832	DUP-3
JE1300-22	4P694101.D	12/04/24 20:15	OP59832	GRID-11(2.0-2.5)

Run Sequence Report

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: E4P3706	**Method:** SW846 8270E	**Instrument ID:** GCMS4P

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
E4P3706-CC3698	4P694225.D	12/10/24 09:09	n/a	Continuing cal 50
E4P3706-CC3698	4P694226.D	12/10/24 09:32	n/a	Continuing cal 50
E4P3706-CC3698	4P694227.D	12/10/24 09:56	n/a	Continuing cal 10
OP60014-MB1	4P694228.D	12/10/24 10:19	OP60014	Method Blank
OP60014-BS1	4P694229.D	12/10/24 10:42	OP60014	Blank Spike
OP60014-BSD	4P694230.D	12/10/24 11:05	OP60014	Blank Spike Duplicate
ZZZZZZ	4P694232.D	12/10/24 11:52	OP60014	(unrelated sample)
ZZZZZZ	4P694233.D	12/10/24 12:16	OP60014	(unrelated sample)
ZZZZZZ	4P694235.D	12/10/24 13:04	OP60014	(unrelated sample)
ZZZZZZ	4P694236.D	12/10/24 13:27	OP60014	(unrelated sample)
ZZZZZZ	4P694239.D	12/10/24 14:39	OP60014	(unrelated sample)
ZZZZZZ	4P694240.D	12/10/24 15:02	OP60014	(unrelated sample)
ZZZZZZ	4P694242.D	12/10/24 15:50	OP60014	(unrelated sample)
ZZZZZZ	4P694243.D	12/10/24 16:14	OP60014	(unrelated sample)
ZZZZZZ	4P694244.D	12/10/24 16:37	OP60014	(unrelated sample)
ZZZZZZ	4P694246.D	12/10/24 17:25	OP60014	(unrelated sample)
ZZZZZZ	4P694247.D	12/10/24 17:50	OP60014	(unrelated sample)
ZZZZZZ	4P694248.D	12/10/24 18:14	OP59966	(unrelated sample)
JE1300-48A	4P694249.D	12/10/24 18:38	OP59835	GRID-21-N2
JE1300-23A	4P694250.D	12/10/24 19:02	OP59834	GRID-11(2.5-3.0)
JE1300-25A	4P694251.D	12/10/24 19:26	OP59834	GRID-11-N2
JE1300-27A	4P694252.D	12/10/24 19:50	OP59834	GRID-11-S2
JE1300-36A	4P694253.D	12/10/24 20:14	OP59834	GRID-10A-N2

Run Sequence Report

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: E6P4255	**Method:** SW846 8270E	**Instrument ID:** GCMS6P

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
E6P4255-DFTPP	6P517478.D	09/12/24 15:52	n/a	DFTPP Tune
E6P4255-IC4255	6P517487.D	09/12/24 18:39	n/a	Initial cal 1
E6P4255-IC4255	6P517488.D	09/12/24 18:59	n/a	Initial cal 2
E6P4255-IC4255	6P517489.D	09/12/24 19:19	n/a	Initial cal 5
E6P4255-IC4255	6P517490.D	09/12/24 19:38	n/a	Initial cal 10
E6P4255-IC4255	6P517491.D	09/12/24 19:58	n/a	Initial cal 25
E6P4255-ICC4255	6P517492.D	09/12/24 20:17	n/a	Initial cal 50
E6P4255-IC4255	6P517493.D	09/12/24 20:37	n/a	Initial cal 80
E6P4255-IC4255	6P517494.D	09/12/24 20:57	n/a	Initial cal 100

Run Sequence Report

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: E6P4256	**Method:** SW846 8270E	**Instrument ID:** GCMS6P

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
E6P4256-DFTPP	6P517499.D	09/13/24 09:42	n/a	DFTPP Tune
E6P4256-ICC4256	6P517500.D	09/13/24 09:53	n/a	Initial cal 50
E6P4256-IC4256	6P517502.D	09/13/24 10:32	n/a	Initial cal 2
E6P4256-IC4256	6P517504.D	09/13/24 11:12	n/a	Initial cal 10
E6P4256-IC4256	6P517507.D	09/13/24 12:11	n/a	Initial cal 100
E6P4256-IC4256	6P517509.D	09/13/24 12:51	n/a	Initial cal 1
E6P4256-IC4256	6P517510.D	09/13/24 13:11	n/a	Initial cal 5
E6P4256-IC4256	6P517511.D	09/13/24 13:31	n/a	Initial cal 25
E6P4256-IC4256	6P517512.D	09/13/24 13:51	n/a	Initial cal 80
E6P4256-ICV4256	6P517514.D	09/13/24 16:16	n/a	Initial cal verification 50
E6P4256-ICV4256	6P517515.D	09/13/24 16:35	n/a	Initial cal verification 50
E6P4256-ICV4255	6P517516.D	09/13/24 16:54	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: E6P4258	**Method:** SW846 8270E	**Instrument ID:** GCMS6P

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
E6P4258-DFTPP	6P517521.D	09/16/24 10:59	n/a	DFTPP Tune
E6P4258-ICV4256	6P517522.D	09/16/24 11:29	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: E6P4327	**Method:** SW846 8270E	**Instrument ID:** GCMS6P

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
E6P4327-CC4256	6P519285.D	12/04/24 15:16	n/a	Continuing cal 50
E6P4327-CC4256	6P519286.D	12/04/24 15:37	n/a	Continuing cal 5
E6P4327-CC4256	6P519287.D	12/04/24 15:57	n/a	Continuing cal 1
E6P4327-CC4256	6P519288.D	12/04/24 16:18	n/a	Continuing cal 2
E6P4327-CC4255	6P519290.D	12/04/24 16:40	n/a	Continuing cal 50
E6P4327-CC4255	6P519291.D	12/04/24 17:00	n/a	Continuing cal 2
OP59835-MB1	6P519292.D	12/04/24 17:21	OP59835	Method Blank
OP59835-BS1	6P519293.D	12/04/24 17:41	OP59835	Blank Spike
OP59835-MS	6P519294.D	12/04/24 18:02	OP59835	Matrix Spike
OP59835-MSD	6P519295.D	12/04/24 18:22	OP59835	Matrix Spike Duplicate
JE1300-45	6P519296.D	12/04/24 18:42	OP59835	GRID-21(2.0-2.5)
JE1300-47	6P519297.D	12/04/24 19:03	OP59835	GRID-21-N1
JE1300-49	6P519298.D	12/04/24 19:23	OP59835	GRID-21-E1
ZZZZZZ	6P519299.D	12/04/24 19:44	OP59835	(unrelated sample)
ZZZZZZ	6P519300.D	12/04/24 20:04	OP59835	(unrelated sample)
ZZZZZZ	6P519301.D	12/04/24 20:24	OP59835	(unrelated sample)
ZZZZZZ	6P519302.D	12/04/24 20:45	OP59835	(unrelated sample)
ZZZZZZ	6P519303.D	12/04/24 21:05	OP59835	(unrelated sample)
ZZZZZZ	6P519304.D	12/04/24 21:26	OP59835	(unrelated sample)
ZZZZZZ	6P519305.D	12/04/24 21:46	OP59835	(unrelated sample)
ZZZZZZ	6P519306.D	12/04/24 22:07	OP59835	(unrelated sample)
ZZZZZZ	6P519307.D	12/04/24 22:27	OP59835	(unrelated sample)
ZZZZZZ	6P519308.D	12/04/24 22:48	OP59835	(unrelated sample)
ZZZZZZ	6P519309.D	12/04/24 23:09	OP59835	(unrelated sample)
ZZZZZZ	6P519310.D	12/04/24 23:29	OP59835	(unrelated sample)
ZZZZZZ	6P519311.D	12/04/24 23:50	OP59835	(unrelated sample)
ZZZZZZ	6P519312.D	12/05/24 00:10	OP59835	(unrelated sample)

Run Sequence Report

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: EF9895	**Method:** EPA 625.1	**Instrument ID:** GCMSF

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
EF9895-DFTPP	F222664.D	10/29/24 10:13	n/a	DFTPP Tune
EF9895-IC9895	F222673.D	10/29/24 13:30	n/a	Initial cal 1
EF9895-IC9895	F222674.D	10/29/24 13:52	n/a	Initial cal 2
EF9895-IC9895	F222675.D	10/29/24 14:15	n/a	Initial cal 5
EF9895-IC9895	F222676.D	10/29/24 14:38	n/a	Initial cal 10
EF9895-IC9895	F222677.D	10/29/24 15:01	n/a	Initial cal 25
EF9895-ICC9895	F222678.D	10/29/24 15:23	n/a	Initial cal 50
EF9895-IC9895	F222679.D	10/29/24 15:46	n/a	Initial cal 80
EF9895-IC9895	F222680.D	10/29/24 16:09	n/a	Initial cal 100
EF9895-IC9895	F222681.D	10/29/24 16:31	n/a	Initial cal 1
EF9895-IC9895	F222682.D	10/29/24 16:54	n/a	Initial cal 2
EF9895-IC9895	F222683.D	10/29/24 17:17	n/a	Initial cal 5
EF9895-IC9895	F222684.D	10/29/24 17:39	n/a	Initial cal 10
EF9895-IC9895	F222685.D	10/29/24 18:02	n/a	Initial cal 25
EF9895-IC9895	F222686.D	10/29/24 18:25	n/a	Initial cal 50
EF9895-IC9895	F222687.D	10/29/24 18:47	n/a	Initial cal 80
EF9895-IC9895	F222688.D	10/29/24 19:10	n/a	Initial cal 100
EF9895-ICV9895	F222689.D	10/29/24 19:33	n/a	Initial cal verification 50
EF9895-ICV9895	F222690.D	10/29/24 19:55	n/a	Initial cal verification 50
EF9895-ICV9895	F222691.D	10/29/24 20:18	n/a	Initial cal verification 50
EF9895-ICV9895	F222692.D	10/29/24 20:41	n/a	Initial cal verification 50
EF9895-ICV9895	F222695.D	10/29/24 21:49	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: EF9899	**Method:** EPA 625.1	**Instrument ID:** GCMSF

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
EF9899-DFTPP	F222732A.D	11/07/24 08:48	n/a	DFTPP Tune
EF9899-IC9899	F222733.D	11/07/24 09:00	n/a	Initial cal 1
EF9899-IC9899	F222734.D	11/07/24 09:23	n/a	Initial cal 2
EF9899-IC9899	F222735.D	11/07/24 09:46	n/a	Initial cal 5
EF9899-IC9899	F222736.D	11/07/24 10:10	n/a	Initial cal 10
EF9899-IC9899	F222737.D	11/07/24 10:33	n/a	Initial cal 25
EF9899-ICC9899	F222739.D	11/07/24 10:56	n/a	Initial cal 50
EF9899-IC9899	F222738.D	11/07/24 11:20	n/a	Initial cal 80
EF9899-IC9899	F222740.D	11/07/24 11:43	n/a	Initial cal 100
EF9899-ICV9899	F222741.D	11/07/24 12:06	n/a	Initial cal verification 50
EF9899-ICV9899	F222742.D	11/07/24 12:30	n/a	Initial cal verification 50
EF9899-ICV9899	F222743.D	11/07/24 12:53	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: EF9918	**Method:** EPA 625.1	**Instrument ID:** GCMSF

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
EF9918-DFTPP	F223229.D	12/02/24 09:53	n/a	DFTPP Tune
EF9918-CC9899	F223230.D	12/02/24 10:04	n/a	Continuing cal 50
EF9918-CC9895	F223231.D	12/02/24 10:28	n/a	Continuing cal 50
OP59781B-MB1	F223232A.D	12/02/24 10:56	OP59781B	Method Blank
OP59781-MB1	F223232.D	12/02/24 10:56	OP59781	Method Blank
OP59781B-BS1	F223233A.D	12/02/24 11:19	OP59781B	Blank Spike
OP59781-BS1	F223233.D	12/02/24 11:19	OP59781	Blank Spike
OP59781B-BSD	F223234A.D	12/02/24 11:43	OP59781B	Blank Spike Duplicate
OP59781-BSD	F223234.D	12/02/24 11:43	OP59781	Blank Spike Duplicate
ZZZZZZ	F223235.D	12/02/24 12:07	OP59781B	(unrelated sample)
ZZZZZZ	F223236.D	12/02/24 12:31	OP59781B	(unrelated sample)
ZZZZZZ	F223237.D	12/02/24 12:55	OP59781B	(unrelated sample)
ZZZZZZ	F223238.D	12/02/24 13:19	OP59781B	(unrelated sample)
ZZZZZZ	F223239.D	12/02/24 13:43	OP59781B	(unrelated sample)
ZZZZZZ	F223240.D	12/02/24 14:06	OP59781B	(unrelated sample)
ZZZZZZ	F223241.D	12/02/24 14:29	OP59781B	(unrelated sample)
ZZZZZZ	F223242.D	12/02/24 14:54	OP59781B	(unrelated sample)
ZZZZZZ	F223243.D	12/02/24 15:18	OP59781B	(unrelated sample)
JE1300-51	F223244.D	12/02/24 15:42	OP59781	FB-2
ZZZZZZ	F223245.D	12/02/24 16:06	OP59781	(unrelated sample)
ZZZZZZ	F223246.D	12/02/24 16:30	OP59781	(unrelated sample)
ZZZZZZ	F223247.D	12/02/24 16:54	OP59781	(unrelated sample)
ZZZZZZ	F223248.D	12/02/24 17:18	OP59781	(unrelated sample)
ZZZZZZ	F223249.D	12/02/24 17:42	OP59781	(unrelated sample)
ZZZZZZ	F223250.D	12/02/24 18:06	OP59493B	(unrelated sample)
ZZZZZZ	F223251.D	12/02/24 18:30	OP59562B	(unrelated sample)

Run Sequence Report

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: EP7558	**Method:** SW846 8270E	**Instrument ID:** GCMSP

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
EP7558-DFTPP	P161740.D	09/13/24 16:48	n/a	DFTPP Tune
EP7558-IC7558	P161749.D	09/13/24 20:28	n/a	Initial cal 1
EP7558-IC7558	P161750.D	09/13/24 20:52	n/a	Initial cal 2
EP7558-IC7558	P161751.D	09/13/24 21:17	n/a	Initial cal 5
EP7558-IC7558	P161752.D	09/13/24 21:42	n/a	Initial cal 10
EP7558-IC7558	P161753.D	09/13/24 22:07	n/a	Initial cal 25
EP7558-ICC7558	P161754.D	09/13/24 22:31	n/a	Initial cal 50
EP7558-IC7558	P161755.D	09/13/24 22:56	n/a	Initial cal 80
EP7558-IC7558	P161756.D	09/13/24 23:21	n/a	Initial cal 100
EP7558-ICV7558	P161759.D	09/14/24 00:35	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: EP7559	**Method:** SW846 8270E	**Instrument ID:** GCMSP

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
EP7559-DFTPP	P161761.D	09/16/24 11:29	n/a	DFTPP Tune
EP7559-ICC7559	P161762.D	09/16/24 11:39	n/a	Initial cal 50
EP7559-IC7559	P161763.D	09/16/24 12:05	n/a	Initial cal 1
EP7559-IC7559	P161764.D	09/16/24 12:29	n/a	Initial cal 2
EP7559-IC7559	P161765.D	09/16/24 12:54	n/a	Initial cal 5
EP7559-IC7559	P161766.D	09/16/24 13:18	n/a	Initial cal 10
EP7559-IC7559	P161767.D	09/16/24 13:43	n/a	Initial cal 25
EP7559-IC7559	P161768.D	09/16/24 14:08	n/a	Initial cal 80
EP7559-IC7559	P161769.D	09/16/24 14:33	n/a	Initial cal 100
EP7559-ICV7559	P161770.D	09/16/24 14:58	n/a	Initial cal verification 50
EP7559-ICV7559	P161771.D	09/16/24 15:23	n/a	Initial cal verification 50
EP7559-ICV7559	P161772.D	09/16/24 15:47	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: EP7561	**Method:** SW846 8270E	**Instrument ID:** GCMSP

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
EP7561-DFTPP	P161777.D	09/18/24 14:23	n/a	DFTPP Tune
EP7561-ICV7559	P161778.D	09/18/24 16:42	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: EP7624	**Method:** SW846 8270E	**Instrument ID:** GCMSP

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
EP7624-CC7558	P163368.D	12/04/24 14:33	n/a	Continuing cal 50
EP7624-CC7558	P163369.D	12/04/24 14:59	n/a	Continuing cal 50
EP7624-CC7559	P163370.D	12/04/24 15:25	n/a	Continuing cal 1
EP7624-CC7559	P163373.D	12/04/24 16:40	n/a	Continuing cal 5
OP59834-MB1	P163374.D	12/04/24 17:06	OP59834	Method Blank
OP59834-BS1	P163375.D	12/04/24 17:31	OP59834	Blank Spike
OP59832-MB1	P163376.D	12/04/24 17:57	OP59832	Method Blank
OP59832-BS1	P163377.D	12/04/24 18:22	OP59832	Blank Spike
OP59834-MS	P163378.D	12/04/24 18:47	OP59834	Matrix Spike
OP59834-MSD	P163379.D	12/04/24 19:12	OP59834	Matrix Spike Duplicate
JE1300-24	P163381.D	12/04/24 20:02	OP59834	GRID-11-N1
JE1300-26	P163382.D	12/04/24 20:27	OP59834	GRID-11-S1
JE1300-28	P163383.D	12/04/24 20:52	OP59834	GRID-11-E1
JE1300-30	P163384.D	12/04/24 21:17	OP59834	GRID-11-W1
JE1300-33	P163385.D	12/04/24 21:42	OP59834	GRID-10A(2.0-2.5)
JE1300-35	P163386.D	12/04/24 22:07	OP59834	GRID-10A-N1
JE1300-37	P163387.D	12/04/24 22:32	OP59834	GRID-10A-S1
JE1300-39	P163388.D	12/04/24 22:57	OP59834	GRID-10A-E1
JE1300-41	P163389.D	12/04/24 23:22	OP59834	GRID-10A-W1
JE1300-43	P163390.D	12/04/24 23:48	OP59834	DUP-5
OP59832-MS	P163391.D	12/05/24 00:13	OP59832	Matrix Spike
OP59832-MSD	P163392.D	12/05/24 00:38	OP59832	Matrix Spike Duplicate
JE1300-1	P163393.D	12/05/24 01:03	OP59832	GRID-18-N1
JE1300-3	P163394.D	12/05/24 01:28	OP59832	GRID-18-S1
JE1300-5	P163395.D	12/05/24 01:53	OP59832	GRID-18-E1

MS Semi-volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\EP7624\
Data File : p163393.d
Acq On : 5 Dec 2024 1:03 am
Operator : anthonyo
Sample : je1300-1 Inst : GCMSP
Misc : op59832,ep7624,30.2,,,1,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 05 09:26:02 2024
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Dec 05 09:13:18 2024
Response via : Initial Calibration

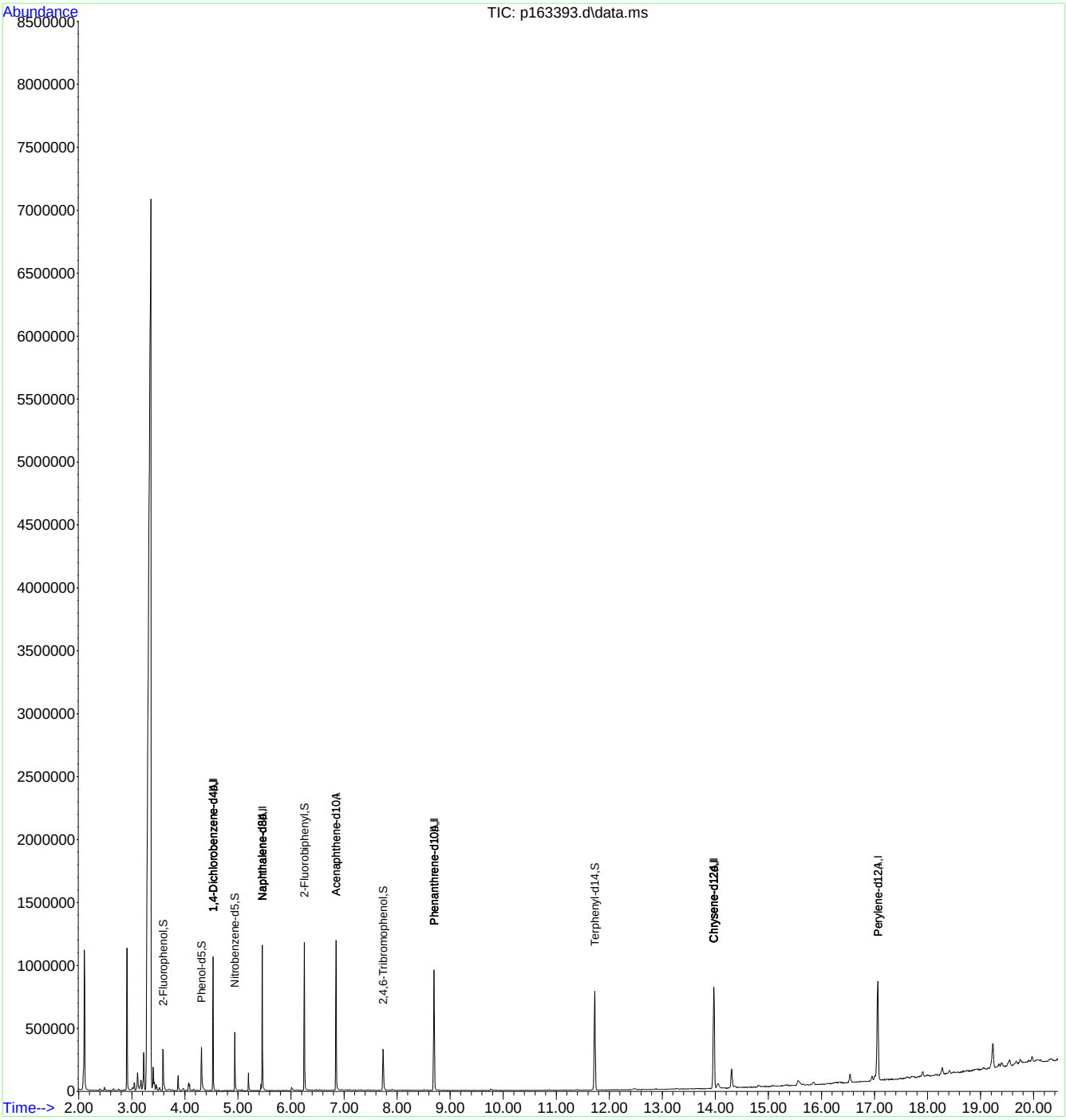
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.530	152	120679	40.00	ppm		0.01
24) Naphthalene-d8	5.460	136	411970	40.00	ppm		0.01
46) Acenaphthene-d10	6.849	164	231564	40.00	ppm		0.00
69) Phenanthrene-d10	8.697	188	426752	40.00	ppm		0.01
83) Chrysene-d12	13.970	240	466136	40.00	ppm		0.01
92) Perylene-d12	17.063	264	486058	40.00	ppm		0.03
102) 1,4-Dichlorobenzene-d4A	4.530	152	120679	40.00	ppm		0.01
112) Naphthalene-d8A	5.460	136	411970	40.00	ppm		0.01
121) Acenaphthene-d10A	6.849	164	231564	40.00	ppm		0.00
132) Phenanthrene-d10A	8.697	188	426752	40.00	ppm		0.01
147) Chrysene-d12A	13.970	240	466136	40.00	ppm		0.01
154) Perylene-d12A	17.063	264	486058	40.00	ppm		0.03
158) 1,4-Dichlorobenzene-d4b	4.530	152	120679	40.00	ppm		0.01
160) Phenanthrene-d10b	8.697	188	426752	40.00	ppm		0.01
162) Naphthalene-d8b	5.460	136	411970	40.00	ppm	#	0.01
164) Naphthalene-d8c	5.460	136	411970	40.00	ppm		0.01
168) 1,4-Dichlorobenzene-d4c	4.530	152	120679	40.00	ppm		0.01
170) Chrysene-d12c	13.970	240	466136	40.00	ppm		0.01
172) Chrysene-d12d	13.970	240	466136	40.00	ppm		0.01
174) Naphthalene-d8d	5.460	136	411970	40.00	ppm		0.01
176) Chrysene-d12e	13.970	240	466136	40.00	ppm		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	3.590	112	90499	25.13	ppm		0.03
Spiked Amount 50.000			Recovery =	50.26%			
8) Phenol-d5	4.311	99	110113	25.47	ppm		0.02
Spiked Amount 50.000			Recovery =	50.94%			
25) Nitrobenzene-d5	4.942	82	105042	33.92	ppm		0.00
Spiked Amount 50.000			Recovery =	67.84%			
51) 2-Fluorobiphenyl	6.250	172	281708	35.20	ppm		0.00
Spiked Amount 50.000			Recovery =	70.40%			
73) 2,4,6-Tribromophenol	7.736	330	48884	47.83	ppm		0.01
Spiked Amount 50.000			Recovery =	95.66%			
86) Terphenyl-d14	11.726	244	380436	34.03	ppm		0.02
Spiked Amount 50.000			Recovery =	68.06%			
Target Compounds							Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\EP7624\
Data File : p163393.d
Acq On : 5 Dec 2024 1:03 am
Operator : anthonyo
Sample : je1300-1 Inst : GCMSP
Misc : op59832,ep7624,30.2,,,1,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 05 09:26:02 2024
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Dec 05 09:13:18 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\EP7624\
Data File : p163394.d
Acq On : 5 Dec 2024 1:28 am
Operator : anthonyo
Sample : je1300-3 Inst : GCMSP
Misc : op59832,ep7624,30.8,,,1,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 05 09:30:23 2024
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Dec 05 09:13:18 2024
Response via : Initial Calibration

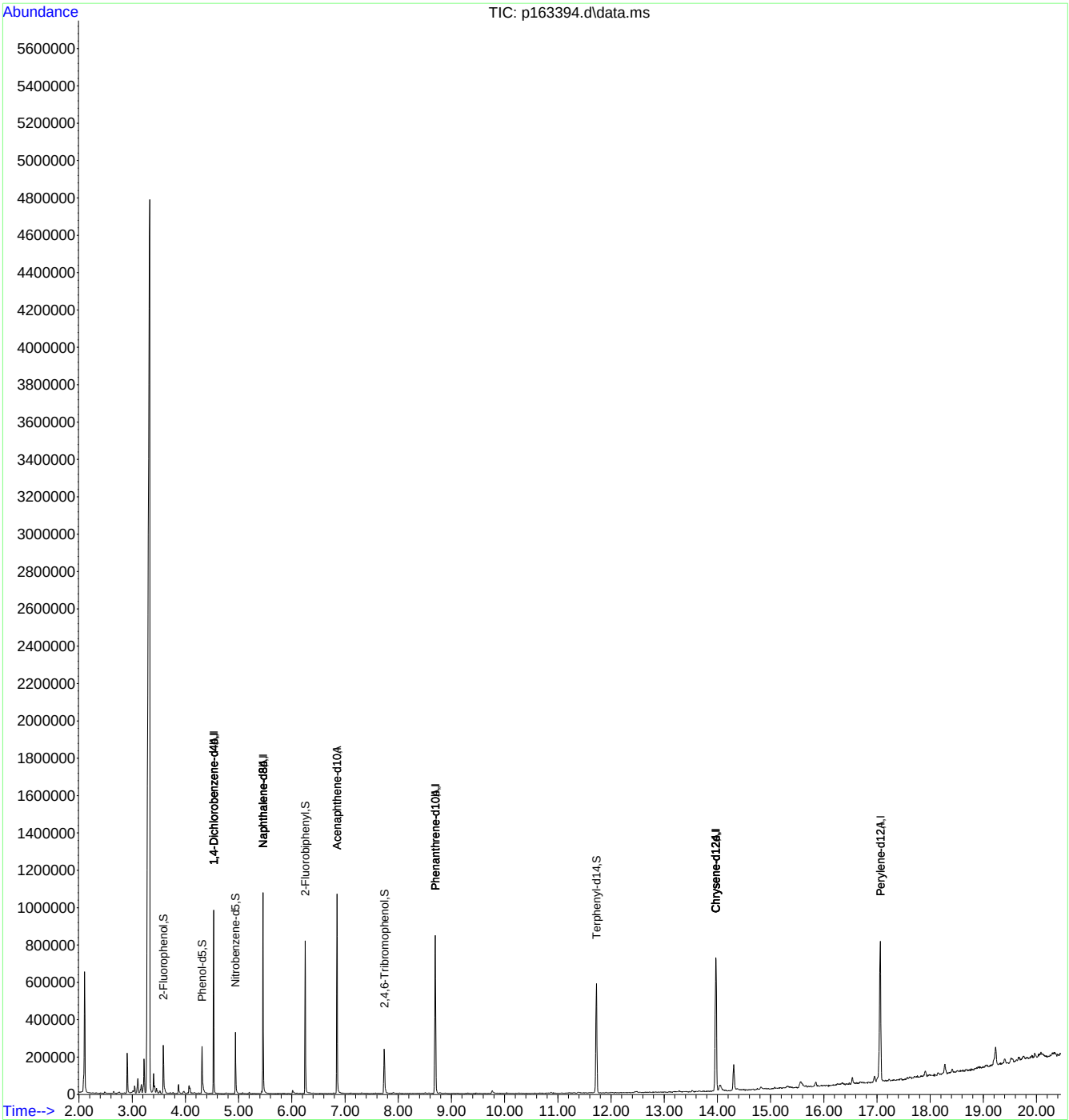
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.530	152	106644	40.00	ppm		0.01
24) Naphthalene-d8	5.460	136	377925	40.00	ppm		0.01
46) Acenaphthene-d10	6.849	164	208500	40.00	ppm		0.00
69) Phenanthrene-d10	8.697	188	382328	40.00	ppm		0.01
83) Chrysene-d12	13.970	240	407567	40.00	ppm		0.01
92) Perylene-d12	17.063	264	429020	40.00	ppm		0.03
102) 1,4-Dichlorobenzene-d4A	4.530	152	106644	40.00	ppm		0.01
112) Naphthalene-d8A	5.460	136	377925	40.00	ppm		0.01
121) Acenaphthene-d10A	6.849	164	208500	40.00	ppm		0.00
132) Phenanthrene-d10A	8.697	188	382328	40.00	ppm		0.01
147) Chrysene-d12A	13.970	240	407567	40.00	ppm		0.01
154) Perylene-d12A	17.063	264	429020	40.00	ppm		0.03
158) 1,4-Dichlorobenzene-d4b	4.530	152	106644	40.00	ppm		0.01
160) Phenanthrene-d10b	8.697	188	382328	40.00	ppm		0.01
162) Naphthalene-d8b	5.460	136	377925	40.00	ppm	#	0.01
164) Naphthalene-d8c	5.460	136	377925	40.00	ppm		0.01
168) 1,4-Dichlorobenzene-d4c	4.530	152	106644	40.00	ppm		0.01
170) Chrysene-d12c	13.970	240	407567	40.00	ppm		0.01
172) Chrysene-d12d	13.970	240	407567	40.00	ppm		0.01
174) Naphthalene-d8d	5.460	136	377925	40.00	ppm		0.01
176) Chrysene-d12e	13.970	240	407567	40.00	ppm		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	3.585	112	63113	19.83	ppm		0.03
Spiked Amount 50.000			Recovery =	39.66%			
8) Phenol-d5	4.311	99	83949	21.97	ppm		0.02
Spiked Amount 50.000			Recovery =	43.94%			
25) Nitrobenzene-d5	4.941	82	78239	27.54	ppm		0.00
Spiked Amount 50.000			Recovery =	55.08%			
51) 2-Fluorobiphenyl	6.250	172	200967	27.89	ppm		0.00
Spiked Amount 50.000			Recovery =	55.78%			
73) 2,4,6-Tribromophenol	7.741	330	35635	38.92	ppm		0.02
Spiked Amount 50.000			Recovery =	77.84%			
86) Terphenyl-d14	11.726	244	273464	27.97	ppm		0.02
Spiked Amount 50.000			Recovery =	55.94%			
Target Compounds							Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\EP7624\
Data File : p163394.d
Acq On : 5 Dec 2024 1:28 am
Operator : anthonyo
Sample : je1300-3 Inst : GCMSP
Misc : op59832,ep7624,30.8,,,1,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 05 09:30:23 2024
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Dec 05 09:13:18 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\EP7624\
Data File : p163395.d
Acq On : 5 Dec 2024 1:53 am
Operator : anthonyo
Sample : je1300-5 Inst : GCMSP
Misc : op59832,ep7624,30.3,,,1,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 05 09:37:12 2024
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Dec 05 09:13:18 2024
Response via : Initial Calibration

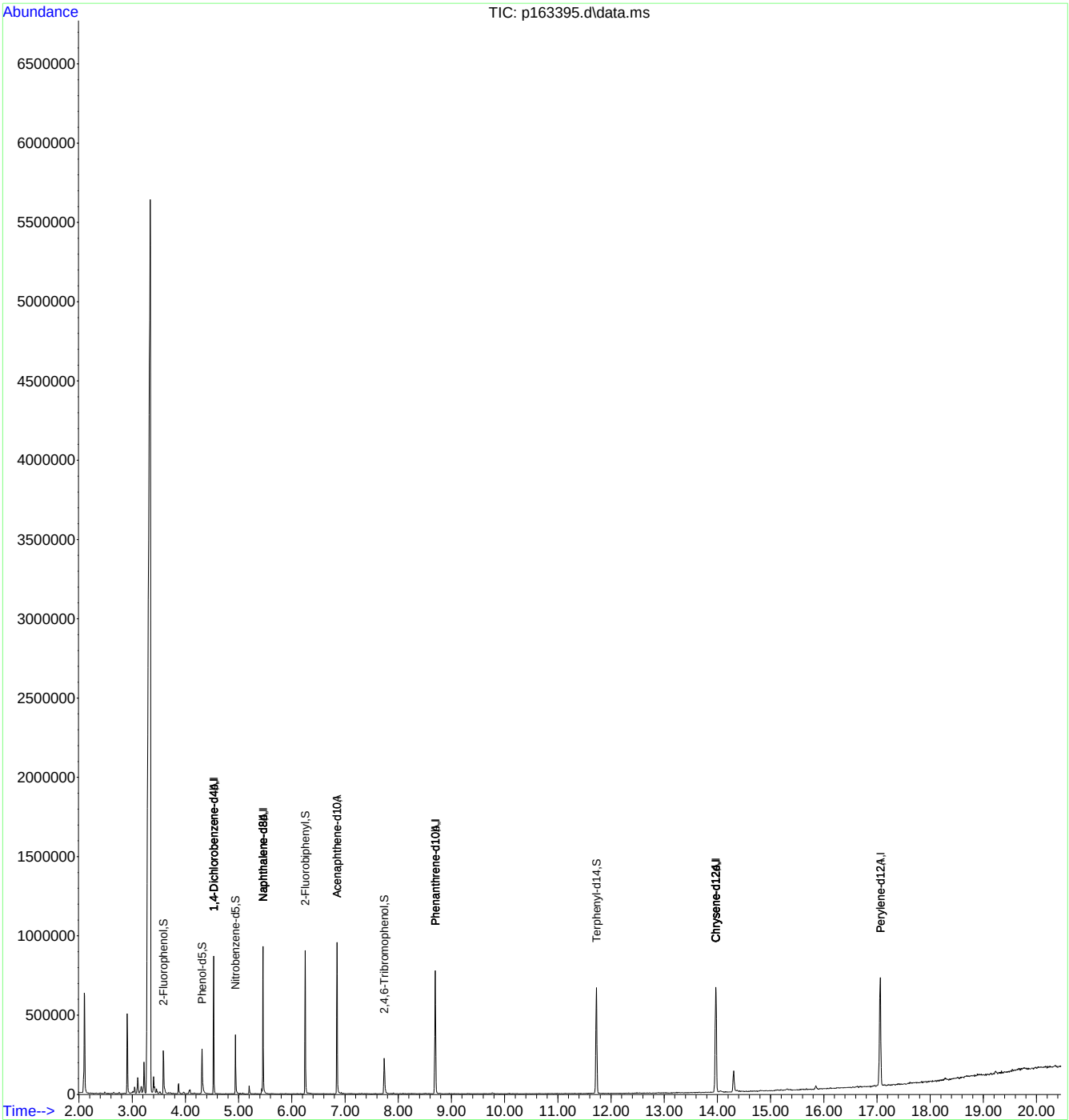
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.530	152	96187	40.00	ppm	-0.02
24) Naphthalene-d8	5.460	136	332737	40.00	ppm	0.00
46) Acenaphthene-d10	6.849	164	188337	40.00	ppm	0.00
69) Phenanthrene-d10	8.697	188	349119	40.00	ppm	0.00
83) Chrysene-d12	13.970	240	375390	40.00	ppm	0.03
92) Perylene-d12	17.063	264	399632	40.00	ppm	0.06
102) 1,4-Dichlorobenzene-d4A	4.530	152	96187	40.00	ppm	-0.02
112) Naphthalene-d8A	5.460	136	332737	40.00	ppm	0.00
121) Acenaphthene-d10A	6.849	164	188337	40.00	ppm	0.00
132) Phenanthrene-d10A	8.697	188	349119	40.00	ppm	0.00
147) Chrysene-d12A	13.970	240	375390	40.00	ppm	0.03
154) Perylene-d12A	17.063	264	399632	40.00	ppm	0.06
158) 1,4-Dichlorobenzene-d4b	4.530	152	96187	40.00	ppm	-0.02
160) Phenanthrene-d10b	8.697	188	349119	40.00	ppm	0.00
162) Naphthalene-d8b	5.460	136	332737	40.00	ppm	# 0.00
164) Naphthalene-d8c	5.460	136	332737	40.00	ppm	0.00
168) 1,4-Dichlorobenzene-d4c	4.530	152	96187	40.00	ppm	-0.02
170) Chrysene-d12c	13.970	240	375390	40.00	ppm	0.03
172) Chrysene-d12d	13.970	240	375390	40.00	ppm	0.03
174) Naphthalene-d8d	5.460	136	332737	40.00	ppm	0.00
176) Chrysene-d12e	13.970	240	375390	40.00	ppm	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.585	112	71766	25.00	ppm	-0.05
Spiked Amount 50.000			Recovery = 50.00%			
8) Phenol-d5	4.311	99	90043	26.13	ppm	-0.02
Spiked Amount 50.000			Recovery = 52.26%			
25) Nitrobenzene-d5	4.942	82	85100	34.02	ppm	-0.01
Spiked Amount 50.000			Recovery = 68.04%			
51) 2-Fluorobiphenyl	6.250	172	216061	33.19	ppm	0.00
Spiked Amount 50.000			Recovery = 66.38%			
73) 2,4,6-Tribromophenol	7.736	330	33678	40.28	ppm	0.00
Spiked Amount 50.000			Recovery = 80.56%			
86) Terphenyl-d14	11.726	244	317409	35.25	ppm	0.01
Spiked Amount 50.000			Recovery = 70.50%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\EP7624\
Data File : p163395.d
Acq On : 5 Dec 2024 1:53 am
Operator : anthonyo
Sample : je1300-5 Inst : GCMSP
Misc : op59832,ep7624,30.3,,,1,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 05 09:37:12 2024
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Dec 05 09:13:18 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\anthonyt\12-05-24\E4P3701\
Data File : 4p694094.d
Acq On : 4 Dec 2024 5:26 pm
Operator : anthonyo
Sample : je1300-7 Inst : GCMS4P
Misc : op59832,e4p3701,30.2,,,1,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 05 01:20:25 2024
Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Thu Dec 05 00:49:19 2024
Response via : Initial Calibration

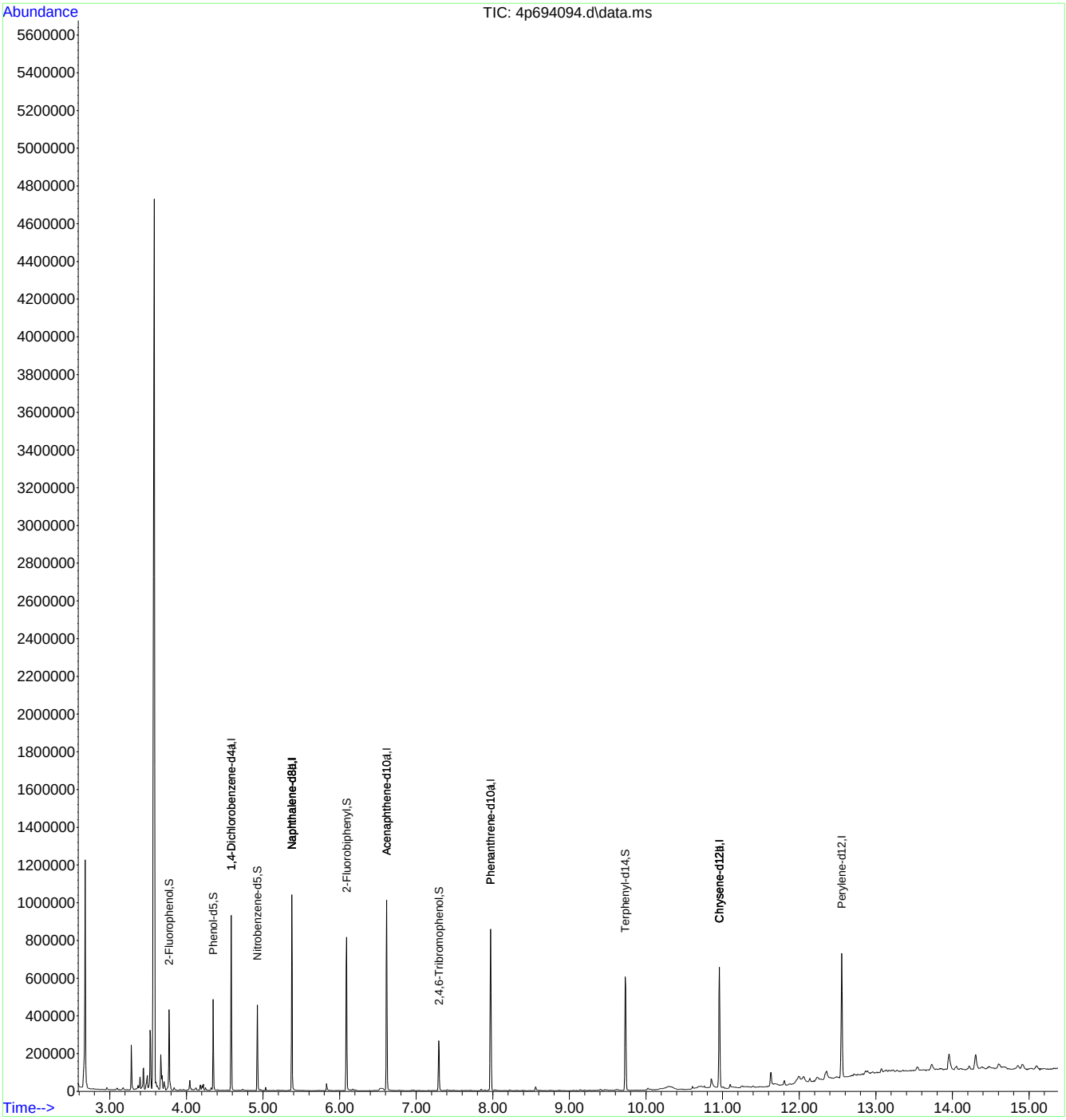
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.585	152	93105	40.00	ppm	0.00
24) Naphthalene-d8	5.376	136	329690	40.00	ppm	0.00
46) Acenaphthene-d10	6.615	164	175308	40.00	ppm	0.00
69) Phenanthrene-d10	7.972	188	287778	40.00	ppm	-0.01
84) Chrysene-d12	10.958	240	214426	40.00	ppm	-0.02
93) Perylene-d12	12.556	264	248387	40.00	ppm	-0.02
103) 1,4-Dichlorobenzene-d4a	4.585	152	93105	40.00	ppm	0.00
105) Acenaphthene-d10a	6.615	164	175308	40.00	ppm	0.00
107) Chrysene-d12a	10.958	240	214426	40.00	ppm	-0.02
109) Phenanthrene-d10a	7.972	188	287778	40.00	ppm	-0.01
111) Naphthalene-d8a	5.376	136	329690	40.00	ppm	0.00
113) Chrysene-d12b	10.958	240	214426	40.00	ppm	-0.02
115) Naphthalene-d8b	5.376	136	329690	40.00	ppm	0.00
118) Naphthalene-d8c	5.376	136	329690	40.00	ppm	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.773	112	79849	31.20	ppm	0.00
Spiked Amount 50.000			Recovery =	62.40%		
8) Phenol-d5	4.350	99	101828	30.24	ppm	0.00
Spiked Amount 50.000			Recovery =	60.48%		
25) Nitrobenzene-d5	4.927	82	92802	31.78	ppm	0.00
Spiked Amount 50.000			Recovery =	63.56%		
51) 2-Fluorobiphenyl	6.092	172	208266	34.89	ppm	0.00
Spiked Amount 50.000			Recovery =	69.78%		
74) 2,4,6-Tribromophenol	7.299	330	25020	34.51	ppm	0.00
Spiked Amount 50.000			Recovery =	69.02%		
87) Terphenyl-d14	9.730	244	210990	39.55	ppm	-0.01
Spiked Amount 50.000			Recovery =	79.10%		
108) 1-chlorooctadecane	0.000	57	0d	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
110) o-terphenyl	0.000	230	0	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\anthonyt\12-05-24\E4P3701\
Data File : 4p694094.d
Acq On : 4 Dec 2024 5:26 pm
Operator : anthonyo
Sample : je1300-7 Inst : GCMS4P
Misc : op59832,e4p3701,30.2,,,1,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 05 01:20:25 2024
Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Thu Dec 05 00:49:19 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Ying Li
12/05/24 08:09

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\anthonyt\12-05-24\E4P3701\
Data File : 4p694095.d
Acq On : 4 Dec 2024 5:50 pm
Operator : anthonyo
Sample : je1300-10 Inst : GCMS4P
Misc : op59832,e4p3701,30.4,,,1,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 05 01:22:57 2024
Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Thu Dec 05 00:49:19 2024
Response via : Initial Calibration

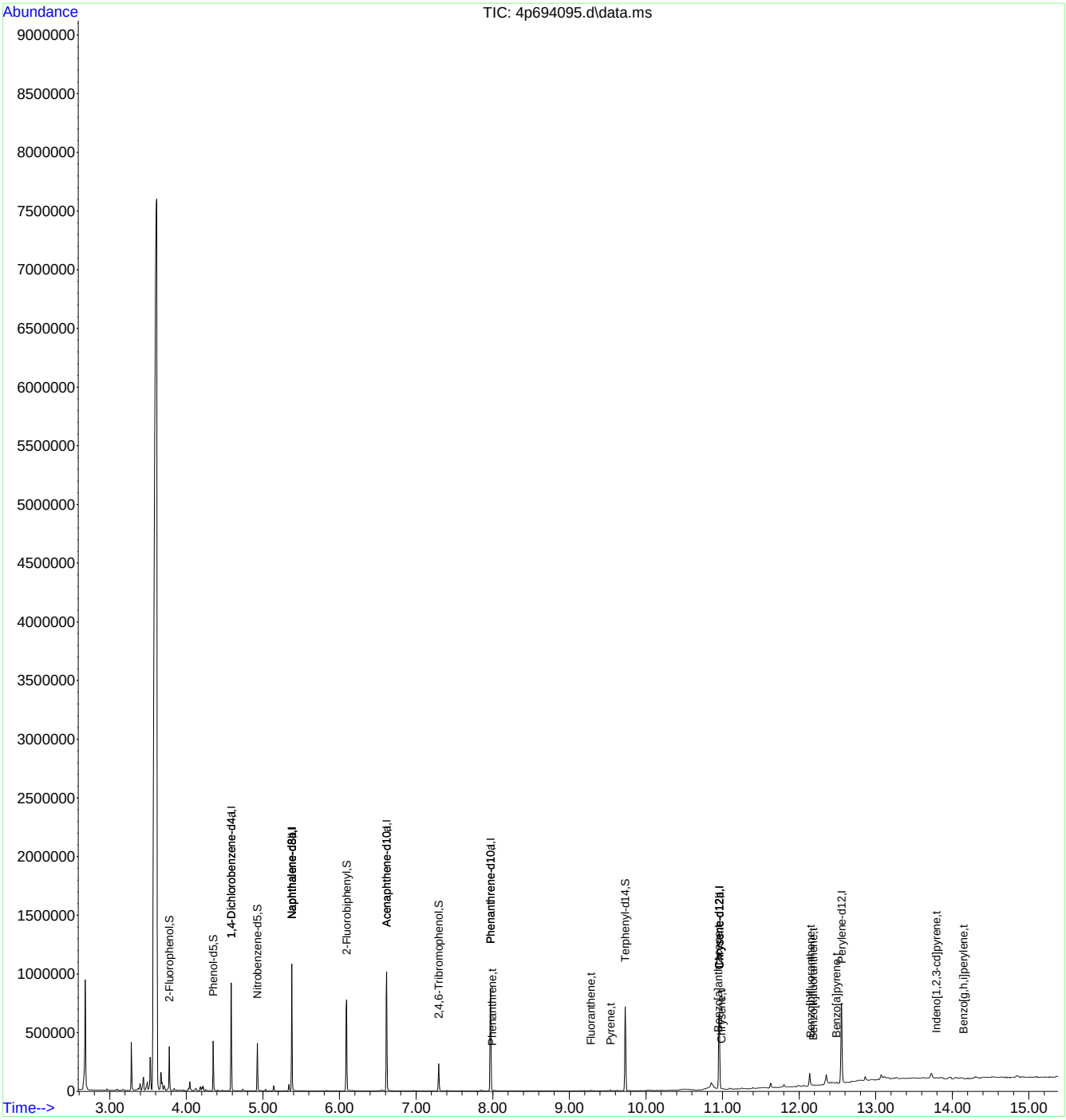
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.585	152	91959	40.00	ppm	0.00
24) Naphthalene-d8	5.376	136	341546	40.00	ppm	0.00
46) Acenaphthene-d10	6.615	164	188669	40.00	ppm	0.00
69) Phenanthrene-d10	7.972	188	303018	40.00	ppm	-0.01
84) Chrysene-d12	10.959	240	244197	40.00	ppm	-0.02
93) Perylene-d12	12.556	264	267092	40.00	ppm	-0.02
103) 1,4-Dichlorobenzene-d4a	4.585	152	91959	40.00	ppm	0.00
105) Acenaphthene-d10a	6.615	164	188669	40.00	ppm	0.00
107) Chrysene-d12a	10.959	240	244197	40.00	ppm	-0.02
109) Phenanthrene-d10a	7.972	188	303018	40.00	ppm	-0.01
111) Naphthalene-d8a	5.376	136	341546	40.00	ppm	0.00
113) Chrysene-d12b	10.959	240	244197	40.00	ppm	-0.02
115) Naphthalene-d8b	5.376	136	341546	40.00	ppm	0.00
118) Naphthalene-d8c	5.376	136	341546	40.00	ppm	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.779	112	70482	27.88	ppm	0.00
Spiked Amount 50.000			Recovery =	55.76%		
8) Phenol-d5	4.350	99	89805	27.00	ppm	0.00
Spiked Amount 50.000			Recovery =	54.00%		
25) Nitrobenzene-d5	4.927	82	84043	27.78	ppm	0.00
Spiked Amount 50.000			Recovery =	55.56%		
51) 2-Fluorobiphenyl	6.092	172	207273	32.26	ppm	0.00
Spiked Amount 50.000			Recovery =	64.52%		
74) 2,4,6-Tribromophenol	7.294	330	21805	28.56	ppm	-0.01
Spiked Amount 50.000			Recovery =	57.12%		
87) Terphenyl-d14	9.730	244	242017	39.84	ppm	-0.01
Spiked Amount 50.000			Recovery =	79.68%		
108) 1-chlorooctadecane	0.000	57	0d	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
110) o-terphenyl	0.000	230	0	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
78) Phenanthrene	7.994	178	1625m	0.1916	ppm	
82) Fluoranthene	9.281	202	3337	0.3628	ppm	97
86) Pyrene	9.537	202	3511	0.4086	ppm	96
89) Benzo[a]anthracene	10.942	228	2677	0.3372	ppm	85
91) Chrysene	10.985	228	1723	0.2251	ppm	95
95) Benzo[b]fluoranthene	12.150	252	3075	0.3719	ppm	80
96) Benzo[k]fluoranthene	12.182	252	906	0.1156	ppm	71
97) Benzo[a]pyrene	12.486	252	2015	0.2883	ppm	84
98) Indeno[1,2,3-cd]pyrene	13.790	276	2349	0.2524	ppm	77
102) Benzo[g,h,i]perylene	14.142	276	2015m	0.2860	ppm	

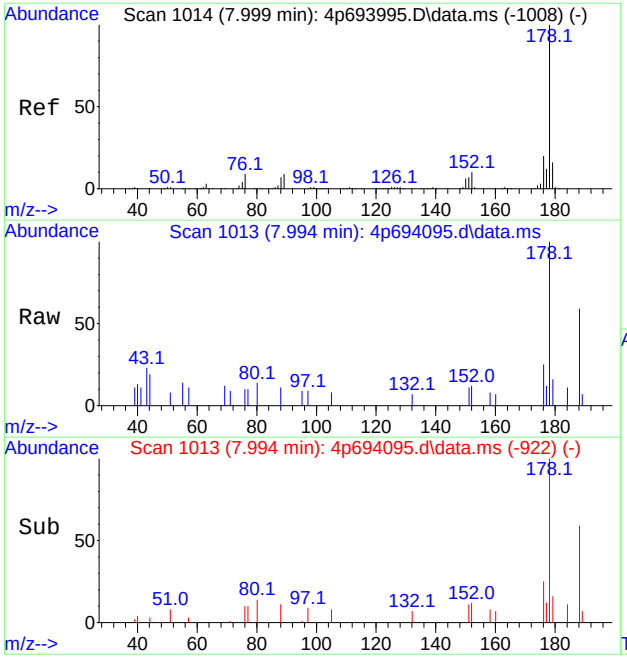
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\anthonyt\12-05-24\E4P3701\
Data File : 4p694095.d
Acq On : 4 Dec 2024 5:50 pm
Operator : anthonyo
Sample : je1300-10 Inst : GCMS4P
Misc : op59832,e4p3701,30.4,,,1,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 05 01:22:57 2024
Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Thu Dec 05 00:49:19 2024
Response via : Initial Calibration

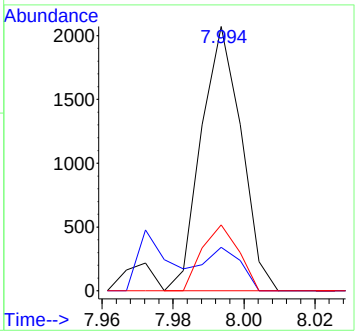


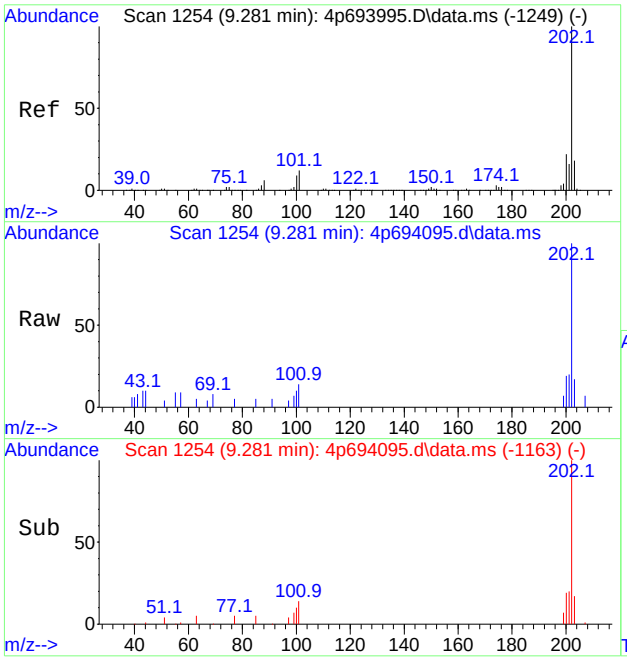


#78
Phenanthrene
Concen: 0.1916 ppm m
RT: 7.994 min Scan# 1013
Delta R.T. -0.016 min
Lab File: 4p694095.d
Acq: 4 Dec 2024 5:50 pm

Tgt Ion:178 Resp: 1625

Ion	Ratio	Lower	Upper
178	100		
179	16.5	0.0	45.5
176	24.9	0.0	49.9

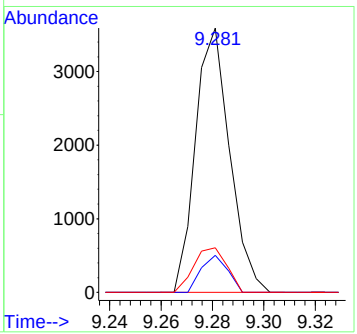


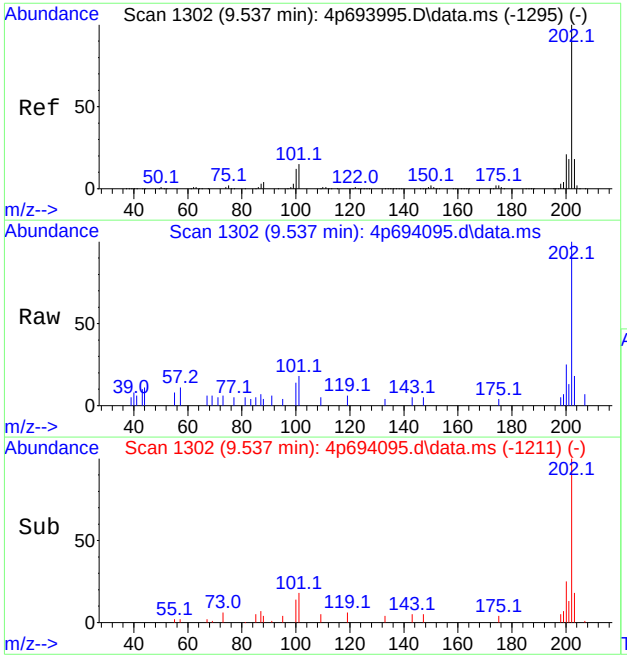


#82
Fluoranthene
Concen: 0.3628 ppm
RT: 9.281 min Scan# 1254
Delta R.T. -0.016 min
Lab File: 4p694095.d
Acq: 4 Dec 2024 5:50 pm

Tgt Ion:202 Resp: 3337

Ion	Ratio	Lower	Upper
202	100		
101	14.0	0.0	41.6
203	16.9	0.0	47.6

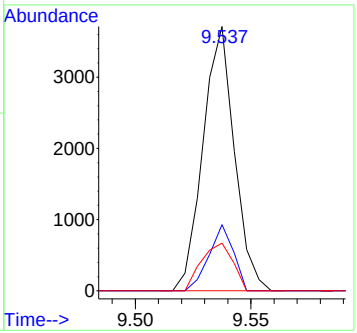


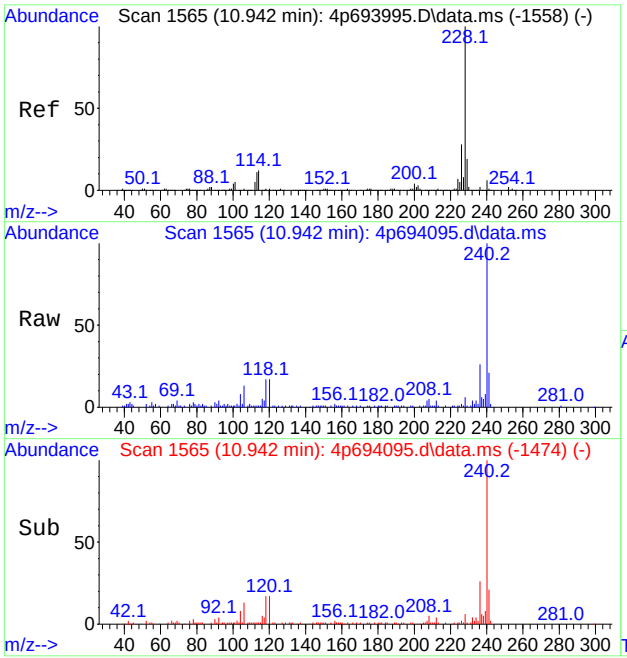


#86
Pyrene
Concen: 0.4086 ppm
RT: 9.537 min Scan# 1302
Delta R.T. -0.016 min
Lab File: 4p694095.d
Acq: 4 Dec 2024 5:50 pm

Tgt Ion:202 Resp: 3511

Ion	Ratio	Lower	Upper
202	100		
200	25.0	0.0	52.0
203	18.1	0.0	47.4

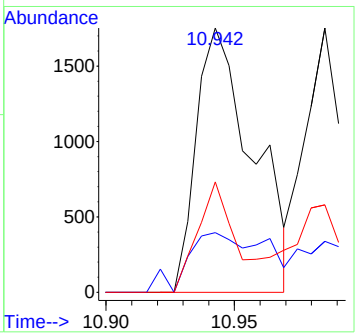


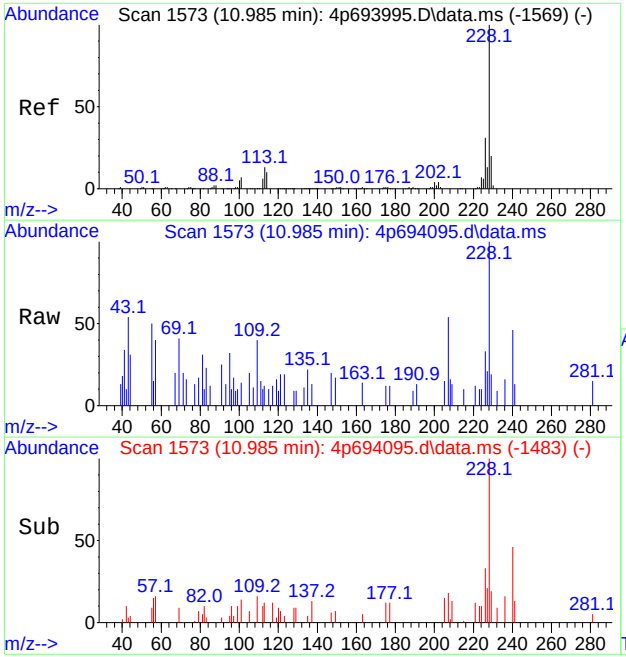


#89
Benzo[a]anthracene
Concen: 0.3372 ppm
RT: 10.942 min Scan# 1565
Delta R.T. -0.016 min
Lab File: 4p694095.d
Acq: 4 Dec 2024 5:50 pm

Tgt Ion:228 Resp: 2677

Ion	Ratio	Lower	Upper
228	100		
229	15.3	0.0	49.8
226	38.6	0.0	58.4

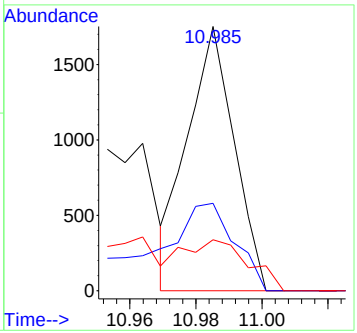


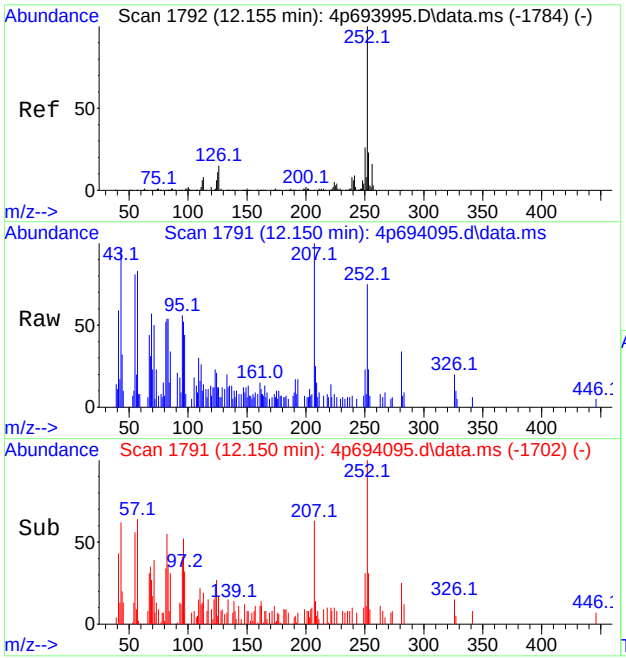


#91
Chrysene
Concen: 0.2251 ppm
RT: 10.985 min Scan# 1573
Delta R.T. -0.021 min
Lab File: 4p694095.d
Acq: 4 Dec 2024 5:50 pm

Tgt Ion:228 Resp: 1723

Ion	Ratio	Lower	Upper
228	100		
226	28.7	1.4	61.4
229	16.7	0.0	49.5

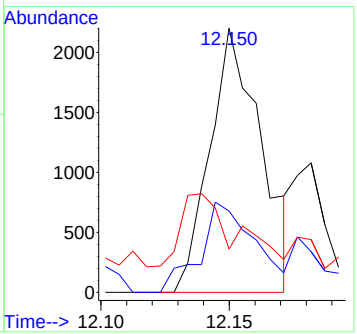


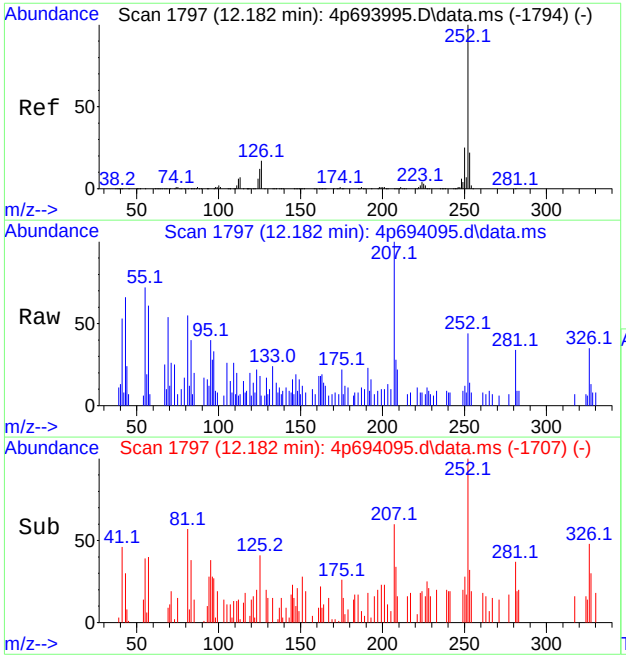


#95
Benzo[b]fluoranthene
Concen: 0.3719 ppm
RT: 12.150 min Scan# 1791
Delta R.T. -0.027 min
Lab File: 4p694095.d
Acq: 4 Dec 2024 5:50 pm

Tgt Ion:252 Resp: 3075

Ion	Ratio	Lower	Upper
252	100		
253	33.1	0.0	52.1
125	6.4	0.0	42.4

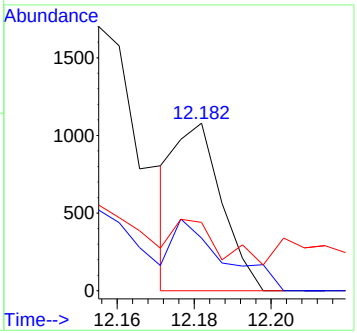


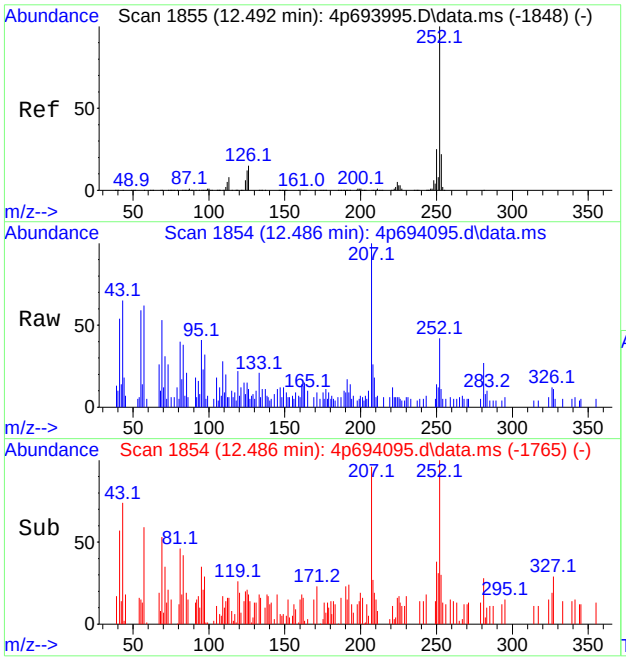


#96
Benzo[k]fluoranthene
Concen: 0.1156 ppm
RT: 12.182 min Scan# 1797
Delta R.T. -0.021 min
Lab File: 4p694095.d
Acq: 4 Dec 2024 5:50 pm

Tgt Ion:252 Resp: 906

Ion	Ratio	Lower	Upper
252	100		
253	38.3	0.0	51.8
125	19.7	0.0	42.6

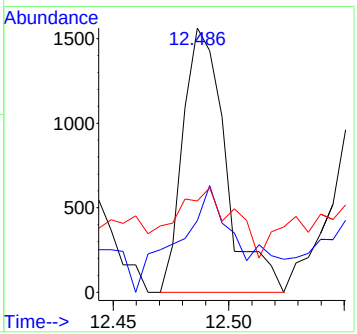


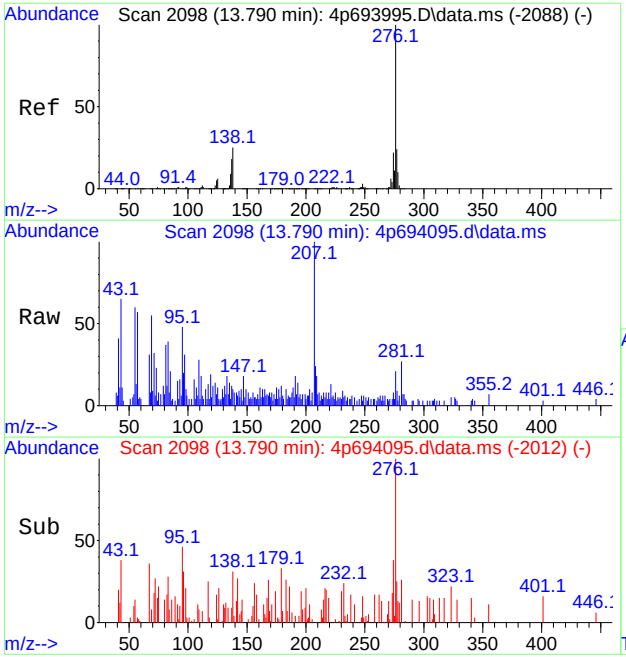


#97
Benzo[a]pyrene
Concen: 0.2883 ppm
RT: 12.486 min Scan# 1854
Delta R.T. -0.027 min
Lab File: 4p694095.d
Acq: 4 Dec 2024 5:50 pm

Tgt Ion:252 Resp: 2015

Ion	Ratio	Lower	Upper
252	100		
253	12.8	0.0	52.3
125	9.6	0.0	43.1

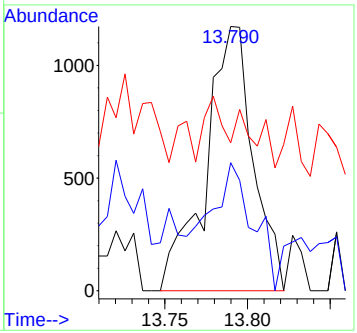


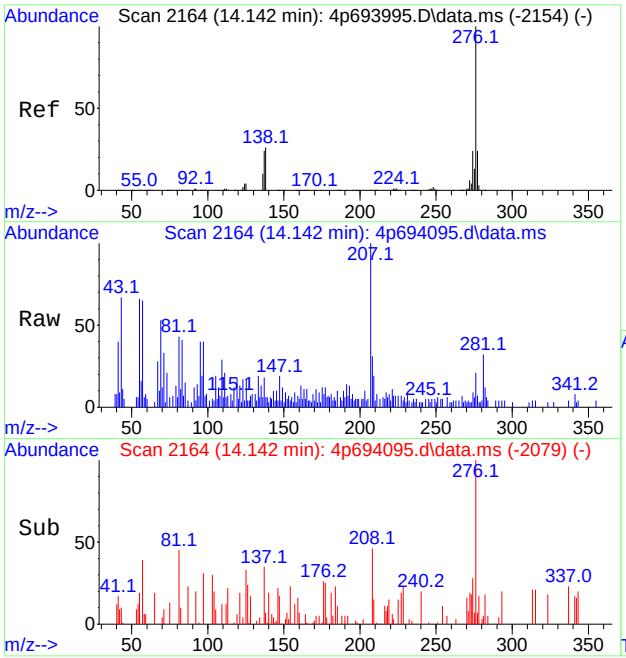


#98
Indeno[1,2,3-cd]pyrene
Concen: 0.2524 ppm
RT: 13.790 min Scan# 2098
Delta R.T. -0.043 min
Lab File: 4p694095.d
Acq: 4 Dec 2024 5:50 pm

Tgt Ion:276 Resp: 2349

Ion	Ratio	Lower	Upper
276	100		
138	31.0	0.0	55.6
137	0.0	0.0	47.8

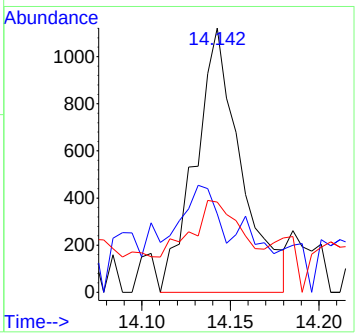




#102
Benzo[g,h,i]perylene
Concen: 0.2860 ppm m
RT: 14.142 min Scan# 2164
Delta R.T. -0.048 min
Lab File: 4p694095.d
Acq: 4 Dec 2024 5:50 pm

Tgt Ion:276 Resp: 2015

Ion	Ratio	Lower	Upper
276	100		
138	29.7	0.0	55.1
277	34.1	0.0	53.9



Manual Integrations APPROVED (compounds with "m" flag)
Ying Li
12/05/24 08:09

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\anthonyt\12-05-24\E4P3701\
Data File : 4p694096.d
Acq On : 4 Dec 2024 6:15 pm
Operator : anthonyo
Sample : je1300-12 Inst : GCMS4P
Misc : op59832,e4p3701,30.1,,,1,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 05 01:26:27 2024
Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Thu Dec 05 00:49:19 2024
Response via : Initial Calibration

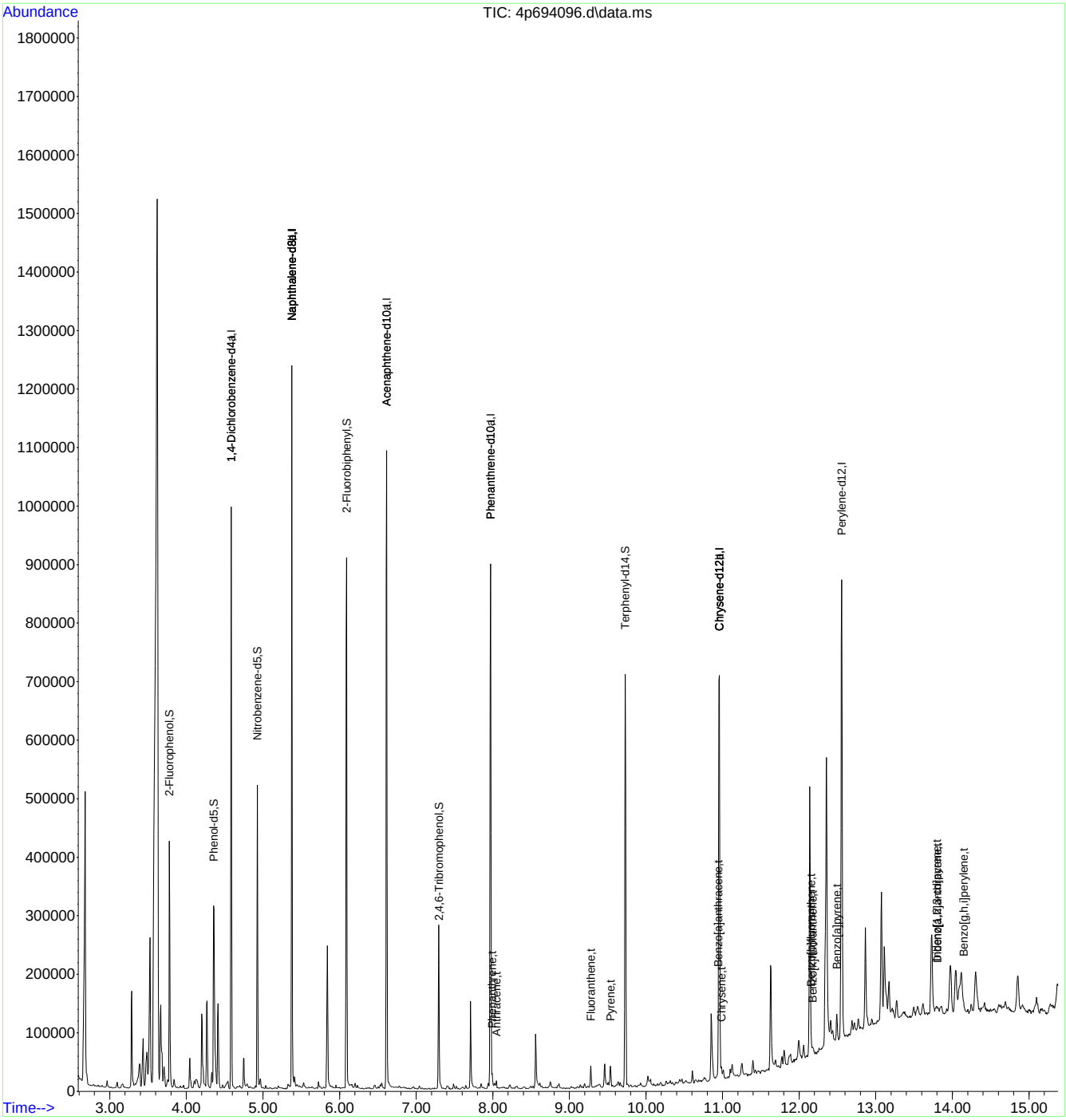
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.585	152	102285	40.00	ppm	0.00
24) Naphthalene-d8	5.376	136	387583	40.00	ppm	0.00
46) Acenaphthene-d10	6.615	164	201925	40.00	ppm	0.00
69) Phenanthrene-d10	7.972	188	311955	40.00	ppm	-0.01
84) Chrysene-d12	10.958	240	256363	40.00	ppm	-0.02
93) Perylene-d12	12.556	264	291965	40.00	ppm	-0.02
103) 1,4-Dichlorobenzene-d4a	4.585	152	102285	40.00	ppm	0.00
105) Acenaphthene-d10a	6.615	164	201925	40.00	ppm	0.00
107) Chrysene-d12a	10.958	240	256363	40.00	ppm	-0.02
109) Phenanthrene-d10a	7.972	188	311955	40.00	ppm	-0.01
111) Naphthalene-d8a	5.376	136	387583	40.00	ppm	0.00
113) Chrysene-d12b	10.958	240	256363	40.00	ppm	-0.02
115) Naphthalene-d8b	5.376	136	387583	40.00	ppm	0.00
118) Naphthalene-d8c	5.376	136	387583	40.00	ppm	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.778	112	88615	31.52	ppm	0.00
Spiked Amount 50.000			Recovery =	63.04%		
8) Phenol-d5	4.355	99	107164	28.97	ppm	0.00
Spiked Amount 50.000			Recovery =	57.94%		
25) Nitrobenzene-d5	4.927	82	106882	31.13	ppm	0.00
Spiked Amount 50.000			Recovery =	62.26%		
51) 2-Fluorobiphenyl	6.092	172	235233	34.21	ppm	0.00
Spiked Amount 50.000			Recovery =	68.42%		
74) 2,4,6-Tribromophenol	7.299	330	26414	33.61	ppm	0.00
Spiked Amount 50.000			Recovery =	67.22%		
87) Terphenyl-d14	9.730	244	231695	36.33	ppm	-0.01
Spiked Amount 50.000			Recovery =	72.66%		
108) 1-chlorooctadecane	0.000	57	0d	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
110) o-terphenyl	0.000	230	0	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
78) Phenanthrene	7.993	178	6766m	0.7749	ppm	
79) Anthracene	8.047	178	1582	0.1843	ppm	92
82) Fluoranthene	9.281	202	15311	1.6170	ppm	97
86) Pyrene	9.537	202	14260	1.5809	ppm	96
89) Benzo[a]anthracene	10.942	228	6570	0.7882	ppm	95
91) Chrysene	10.985	228	8344	1.0383	ppm	93
95) Benzo[b]fluoranthene	12.155	252	11776m	1.3030	ppm	
96) Benzo[k]fluoranthene	12.176	252	3393m	0.3960	ppm	
97) Benzo[a]pyrene	12.492	252	6709m	0.8781	ppm	
98) Indeno[1,2,3-cd]pyrene	13.795	276	6199m	0.6093	ppm	
100) Dibenz[a,h]anthracene	13.806	278	2263	0.2743	ppm	83
102) Benzo[g,h,i]perylene	14.148	276	6831	0.8868	ppm	95

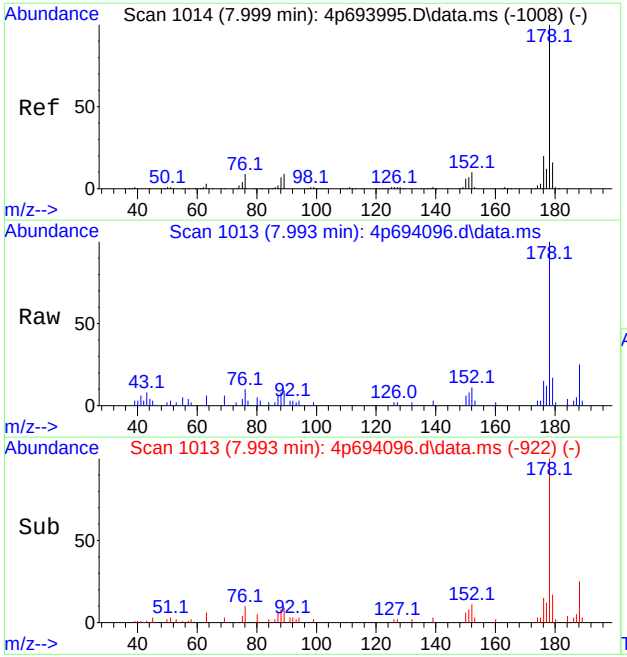
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\anthonyt\12-05-24\E4P3701\
Data File : 4p694096.d
Acq On : 4 Dec 2024 6:15 pm
Operator : anthonyo
Sample : je1300-12 Inst : GCMS4P
Misc : op59832,e4p3701,30.1,,,1,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 05 01:26:27 2024
Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Thu Dec 05 00:49:19 2024
Response via : Initial Calibration

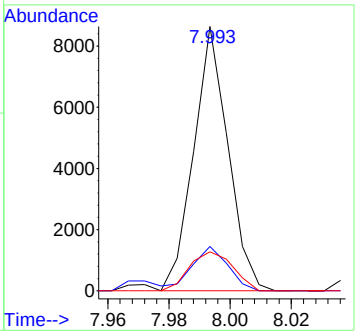


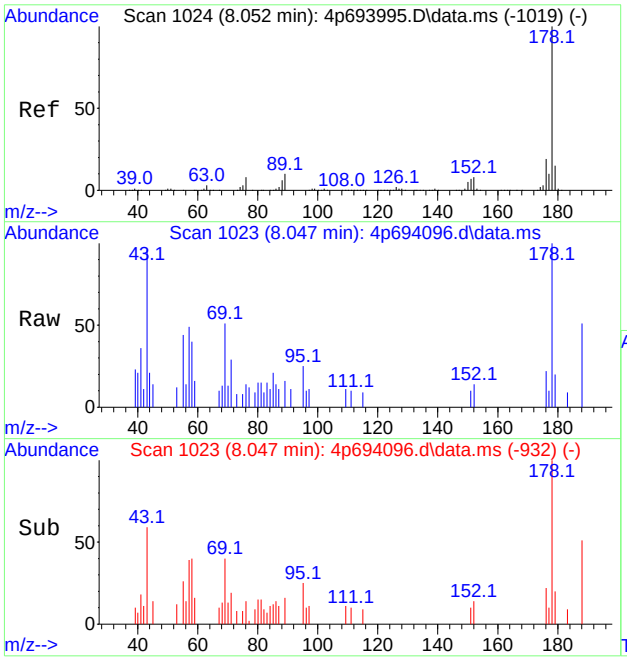


#78
Phenanthrene
Concen: 0.7749 ppm m
RT: 7.993 min Scan# 1013
Delta R.T. -0.016 min
Lab File: 4p694096.d
Acq: 4 Dec 2024 6:15 pm

Tgt Ion:178 Resp: 6766

Ion	Ratio	Lower	Upper
178	100		
179	16.8	0.0	45.5
176	14.8	0.0	49.9

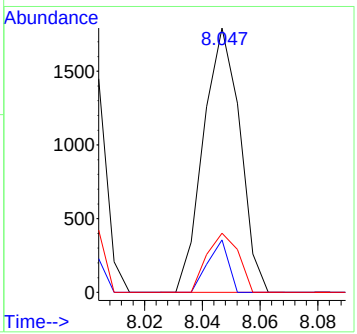


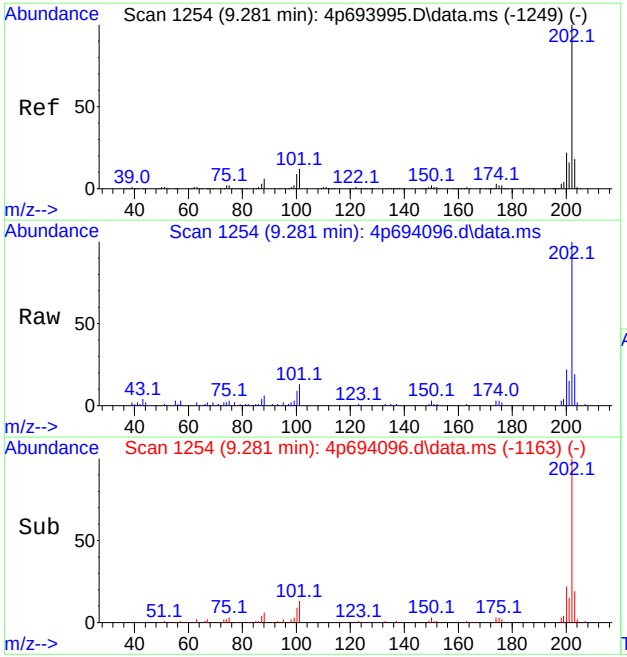


#79
Anthracene
Concen: 0.1843 ppm
RT: 8.047 min Scan# 1023
Delta R.T. -0.016 min
Lab File: 4p694096.d
Acq: 4 Dec 2024 6:15 pm

Tgt Ion:178 Resp: 1582

Ion	Ratio	Lower	Upper
178	100		
179	19.8	0.0	45.3
176	22.4	0.0	49.4

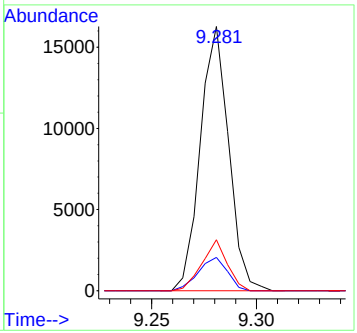


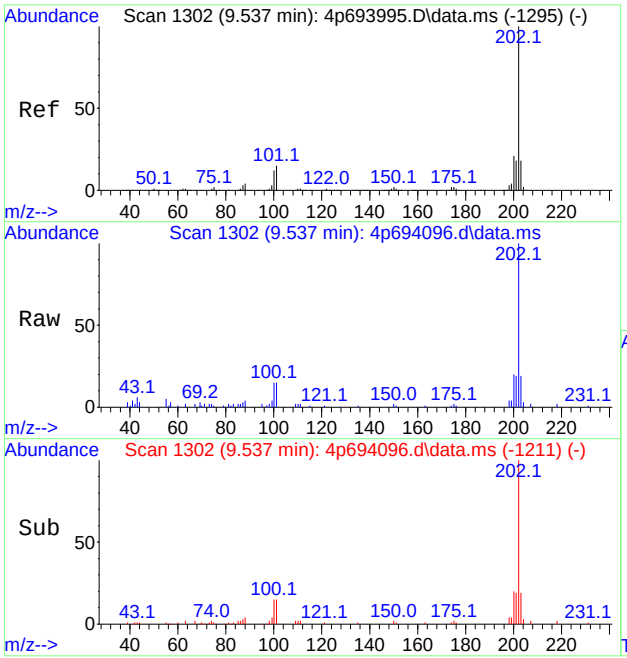


#82
Fluoranthene
Concen: 1.6170 ppm
RT: 9.281 min Scan# 1254
Delta R.T. -0.016 min
Lab File: 4p694096.d
Acq: 4 Dec 2024 6:15 pm

Tgt Ion:202 Resp: 15311

Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	41.6
203	19.4	0.0	47.6

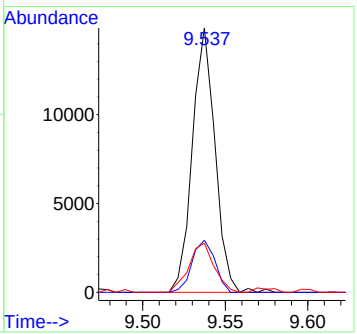


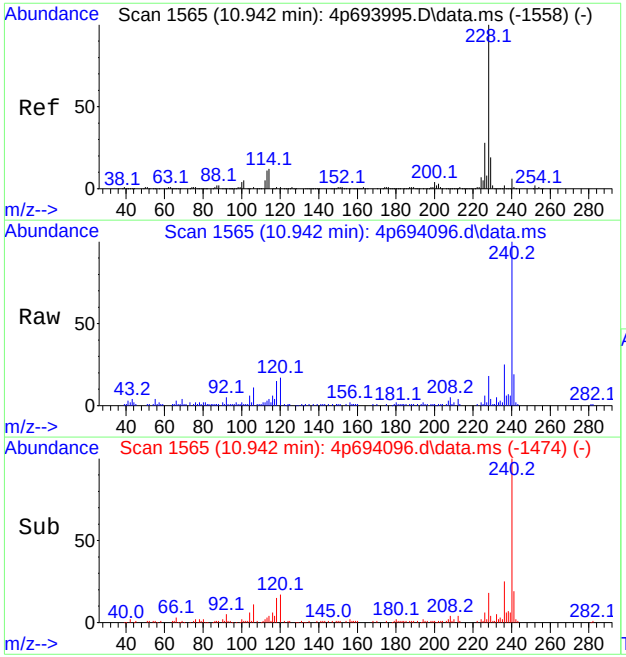


#86
Pyrene
Concen: 1.5809 ppm
RT: 9.537 min Scan# 1302
Delta R.T. -0.016 min
Lab File: 4p694096.d
Acq: 4 Dec 2024 6:15 pm

Tgt Ion:202 Resp: 14260

Ion	Ratio	Lower	Upper
202	100		
200	19.7	0.0	52.0
203	18.7	0.0	47.4

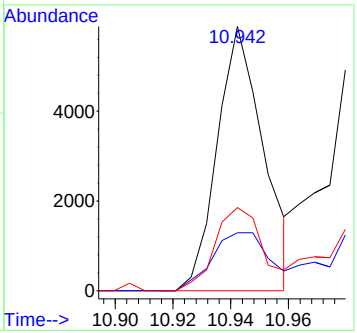


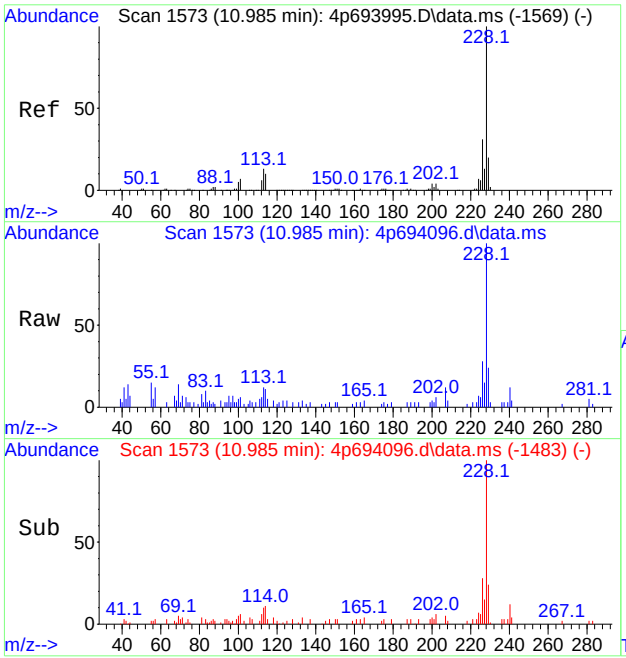


#89
Benzo[a]anthracene
Concen: 0.7882 ppm
RT: 10.942 min Scan# 1565
Delta R.T. -0.016 min
Lab File: 4p694096.d
Acq: 4 Dec 2024 6:15 pm

Tgt Ion:228 Resp: 6570

Ion	Ratio	Lower	Upper
228	100		
229	21.2	0.0	49.8
226	32.0	0.0	58.4

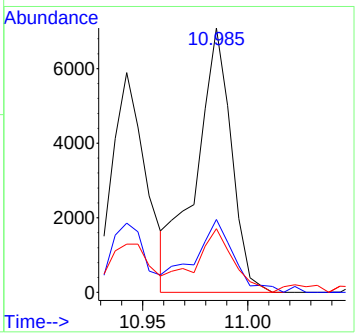


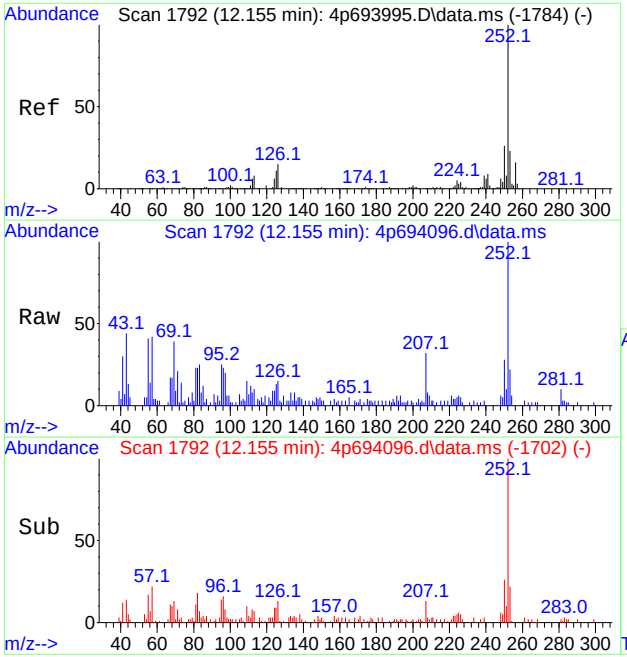


#91
Chrysene
Concen: 1.0383 ppm
RT: 10.985 min Scan# 1573
Delta R.T. -0.021 min
Lab File: 4p694096.d
Acq: 4 Dec 2024 6:15 pm

Tgt Ion:228 Resp: 8344

Ion	Ratio	Lower	Upper
228	100		
226	27.5	1.4	61.4
229	22.5	0.0	49.5

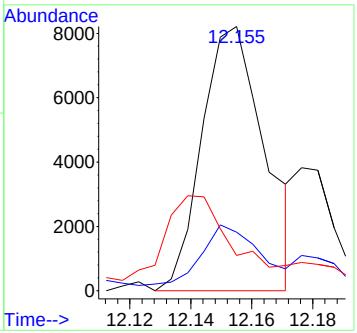


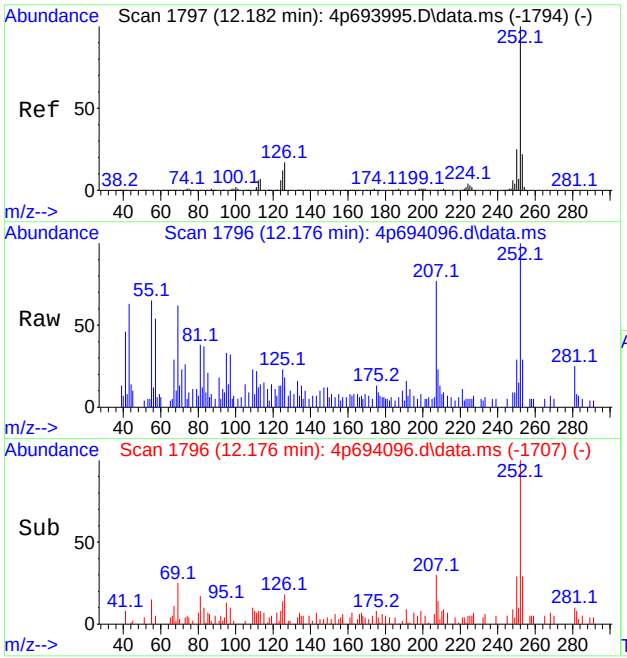


#95
Benzo[b]fluoranthene
Concen: 1.3030 ppm m
RT: 12.155 min Scan# 1792
Delta R.T. -0.021 min
Lab File: 4p694096.d
Acq: 4 Dec 2024 6:15 pm

Tgt Ion:252 Resp: 11776

Ion	Ratio	Lower	Upper
252	100		
253	22.2	0.0	52.1
125	13.4	0.0	42.4

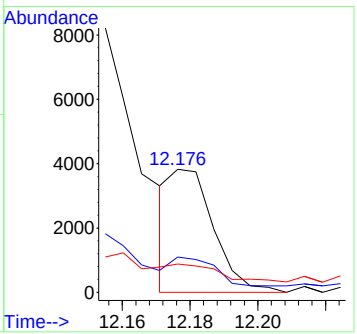


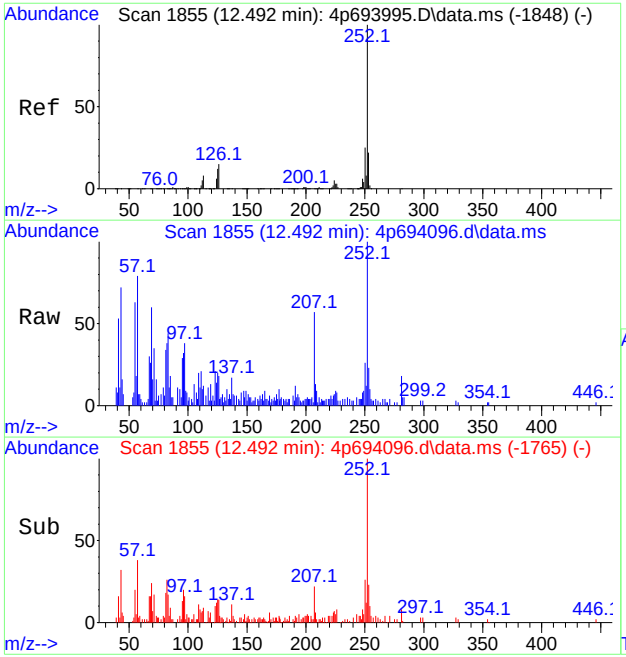


#96
Benzo[k]fluoranthene
Concen: 0.3960 ppm m
RT: 12.176 min Scan# 1796
Delta R.T. -0.027 min
Lab File: 4p694096.d
Acq: 4 Dec 2024 6:15 pm

Tgt Ion:252 Resp: 3393

Ion	Ratio	Lower	Upper
252	100		
253	28.6	0.0	51.8
125	23.1	0.0	42.6

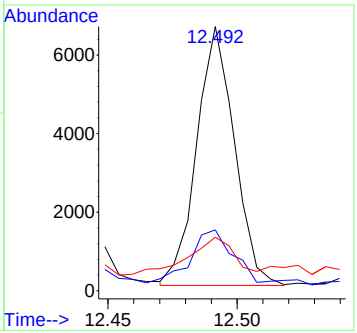


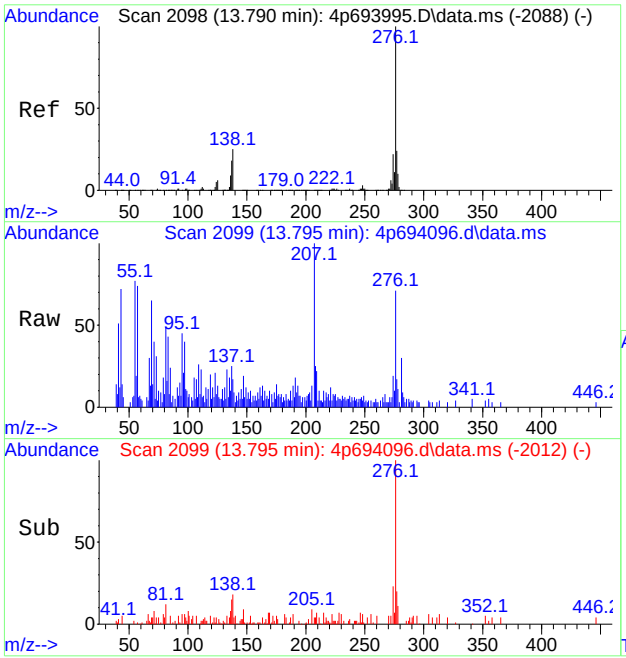


#97
Benzo[a]pyrene
Concen: 0.8781 ppm m
RT: 12.492 min Scan# 1855
Delta R.T. -0.021 min
Lab File: 4p694096.d
Acq: 4 Dec 2024 6:15 pm

Tgt Ion:252 Resp: 6709

Ion	Ratio	Lower	Upper
252	100		
253	23.0	0.0	52.3
125	20.2	0.0	43.1

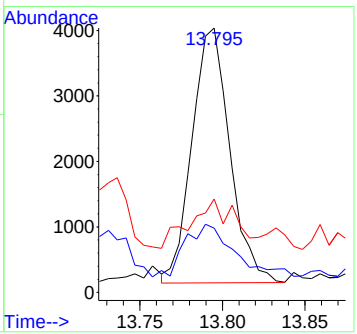


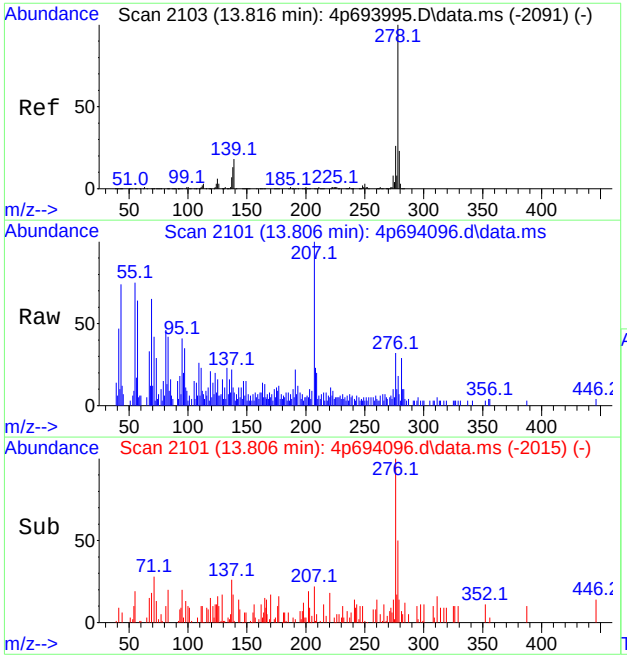


#98
Indeno[1,2,3-cd]pyrene
Concen: 0.6093 ppm m
RT: 13.795 min Scan# 2099
Delta R.T. -0.037 min
Lab File: 4p694096.d
Acq: 4 Dec 2024 6:15 pm

Tgt Ion:276 Resp: 6199

Ion	Ratio	Lower	Upper
276	100		
138	24.3	0.0	55.6
137	35.3	0.0	47.8

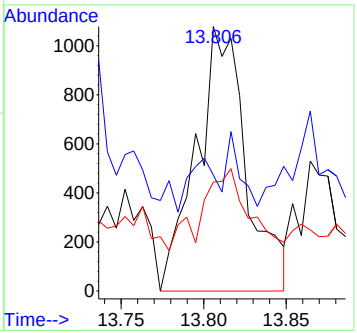


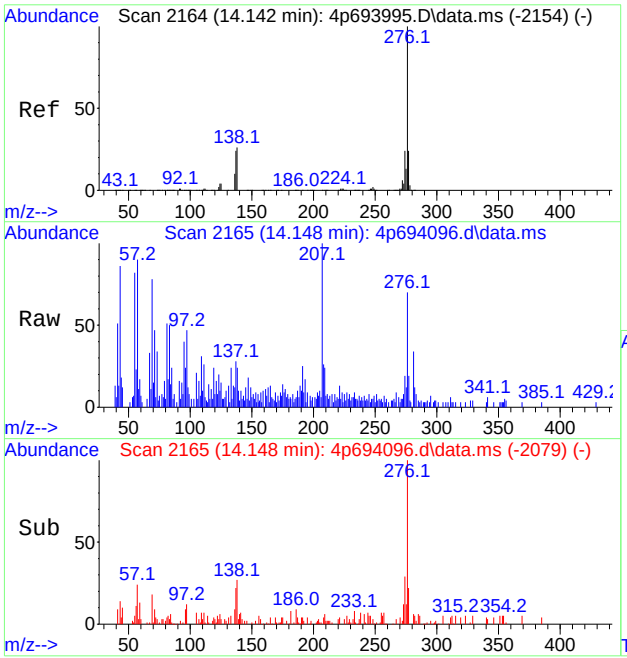


#100
Dibenz[a,h]anthracene
Concen: 0.2743 ppm
RT: 13.806 min Scan# 2101
Delta R.T. -0.043 min
Lab File: 4p694096.d
Acq: 4 Dec 2024 6:15 pm

Tgt Ion:278 Resp: 2263

Ion	Ratio	Lower	Upper
278	100		
139	3.4	0.0	49.6
279	23.7	0.0	53.2

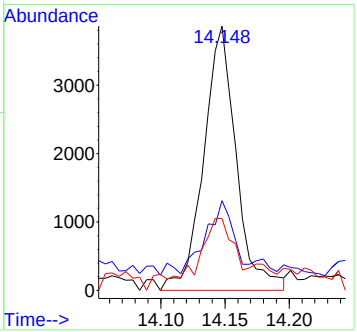




#102
Benzo[g,h,i]perylene
Concen: 0.8868 ppm
RT: 14.148 min Scan# 2165
Delta R.T. -0.043 min
Lab File: 4p694096.d
Acq: 4 Dec 2024 6:15 pm

Tgt Ion:276 Resp: 6831

Ion	Ratio	Lower	Upper
276	100		
138	26.9	0.0	55.1
277	20.4	0.0	53.9



Manual Integrations APPROVED (compounds with "m" flag)
Ying Li
12/05/24 08:09

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\anthonyt\12-05-24\E4P3701\
Data File : 4p694097.d
Acq On : 4 Dec 2024 6:39 pm
Operator : anthonyo
Sample : je1300-14 Inst : GCMS4P
Misc : op59832,e4p3701,30.2,,,1,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 05 01:28:40 2024
Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Thu Dec 05 00:49:19 2024
Response via : Initial Calibration

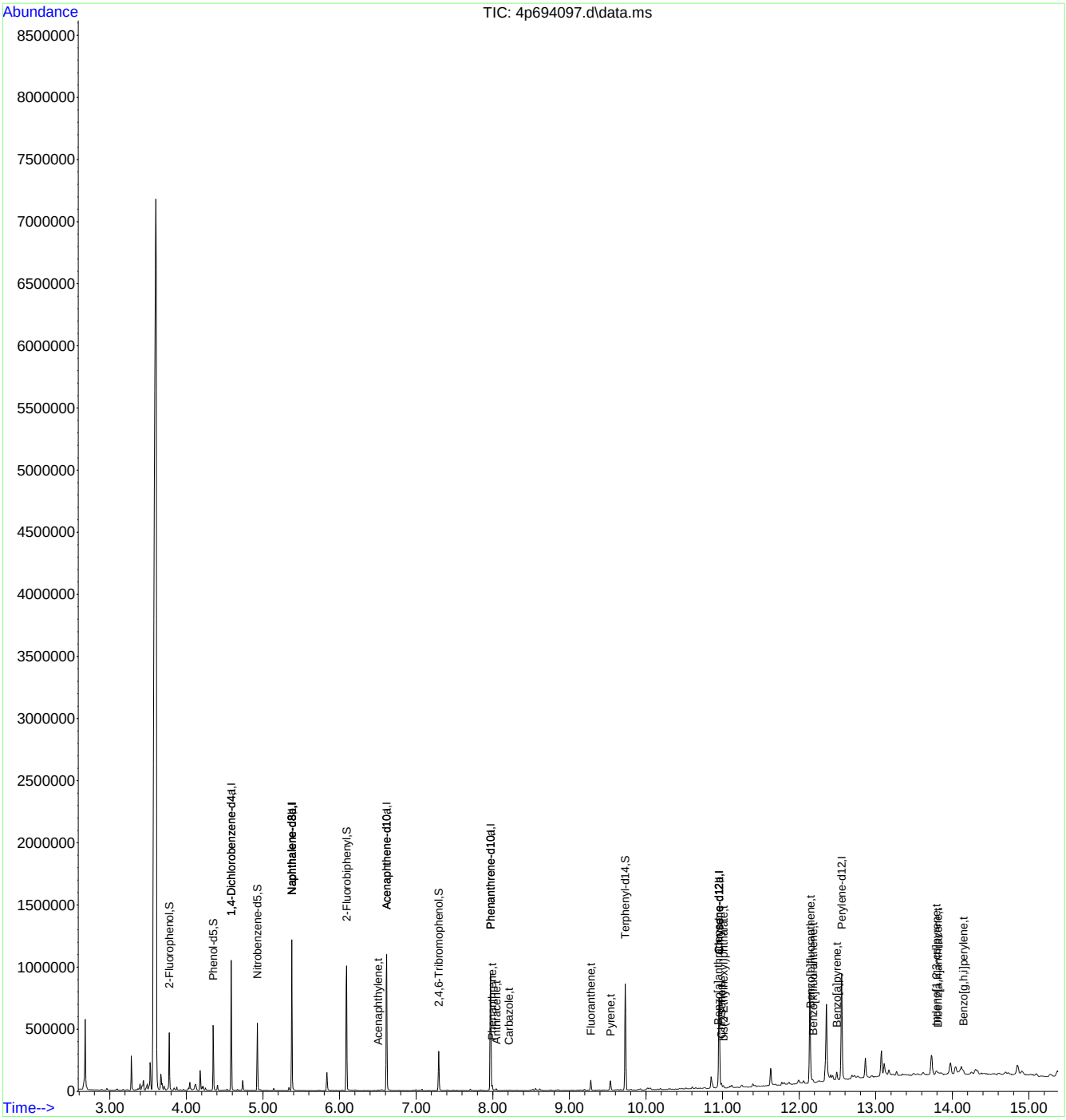
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.585	152	104768	40.00	ppm	0.00
24) Naphthalene-d8	5.376	136	381473	40.00	ppm	0.00
46) Acenaphthene-d10	6.615	164	201060	40.00	ppm	0.00
69) Phenanthrene-d10	7.972	188	327113	40.00	ppm	-0.01
84) Chrysene-d12	10.953	240	265806	40.00	ppm	-0.02
93) Perylene-d12	12.556	264	319895	40.00	ppm	-0.02
103) 1,4-Dichlorobenzene-d4a	4.585	152	104768	40.00	ppm	0.00
105) Acenaphthene-d10a	6.615	164	201060	40.00	ppm	0.00
107) Chrysene-d12a	10.953	240	265806	40.00	ppm	-0.02
109) Phenanthrene-d10a	7.972	188	327113	40.00	ppm	-0.01
111) Naphthalene-d8a	5.376	136	381473	40.00	ppm	0.00
113) Chrysene-d12b	10.953	240	265806	40.00	ppm	-0.02
115) Naphthalene-d8b	5.376	136	381473	40.00	ppm	0.00
118) Naphthalene-d8c	5.376	136	381473	40.00	ppm	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.779	112	91744	31.86	ppm	0.00
Spiked Amount 50.000			Recovery =	63.72%		
8) Phenol-d5	4.350	99	114713	30.28	ppm	0.00
Spiked Amount 50.000			Recovery =	60.56%		
25) Nitrobenzene-d5	4.927	82	112694	33.35	ppm	0.00
Spiked Amount 50.000			Recovery =	66.70%		
51) 2-Fluorobiphenyl	6.092	172	257095	37.55	ppm	0.00
Spiked Amount 50.000			Recovery =	75.10%		
74) 2,4,6-Tribromophenol	7.294	330	28641	34.75	ppm	-0.01
Spiked Amount 50.000			Recovery =	69.50%		
87) Terphenyl-d14	9.730	244	274200	41.47	ppm	-0.01
Spiked Amount 50.000			Recovery =	82.94%		
108) 1-chlorooctadecane	0.000	57	0d	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
110) o-terphenyl	0.000	230	0	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
56) Acenaphthylene	6.503	152	2362	0.2882	ppm	97
78) Phenanthrene	7.994	178	13860	1.5138	ppm	99
79) Anthracene	8.047	178	3307	0.3674	ppm	99
80) Carbazole	8.213	167	1457	0.1763	ppm	90
82) Fluoranthene	9.281	202	33580	3.3820	ppm	97
86) Pyrene	9.538	202	30928	3.3070	ppm	99
89) Benzo[a]anthracene	10.943	228	13828	1.6000	ppm	90
91) Chrysene	10.985	228	16505	1.9809	ppm	99
92) bis(2-Ethylhexyl)phtha...	11.012	149	1708m	0.3103	ppm	
95) Benzo[b]fluoranthene	12.150	252	24388m	2.4629	ppm	
96) Benzo[k]fluoranthene	12.182	252	7521m	0.8010	ppm	
97) Benzo[a]pyrene	12.492	252	15805	1.8880	ppm	96
98) Indeno[1,2,3-cd]pyrene	13.790	276	13903	1.2472	ppm	92
100) Dibenz[a,h]anthracene	13.811	278	3567m	0.3946	ppm	
102) Benzo[g,h,i]perylene	14.143	276	14741	1.7466	ppm	95

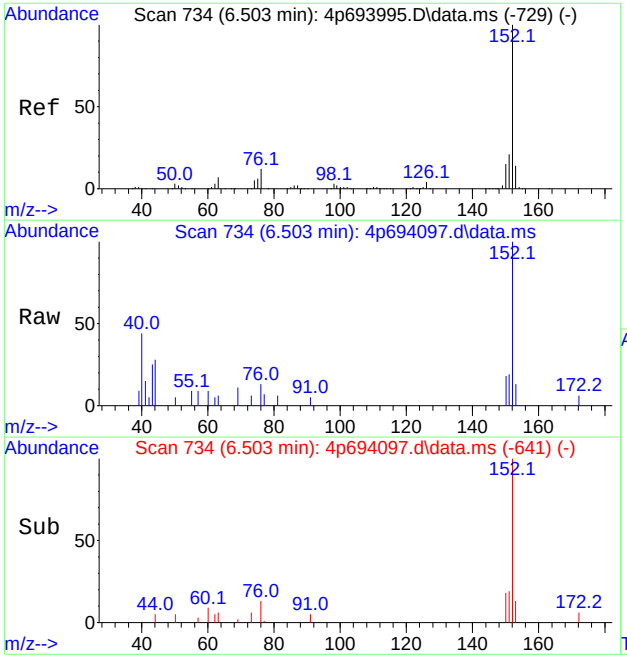
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\anthonyt\12-05-24\E4P3701\
Data File : 4p694097.d
Acq On : 4 Dec 2024 6:39 pm
Operator : anthonyo
Sample : je1300-14 Inst : GCMS4P
Misc : op59832,e4p3701,30.2,,,1,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 05 01:28:40 2024
Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Thu Dec 05 00:49:19 2024
Response via : Initial Calibration

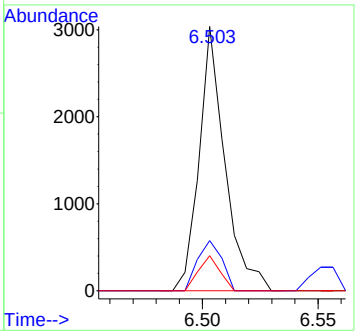


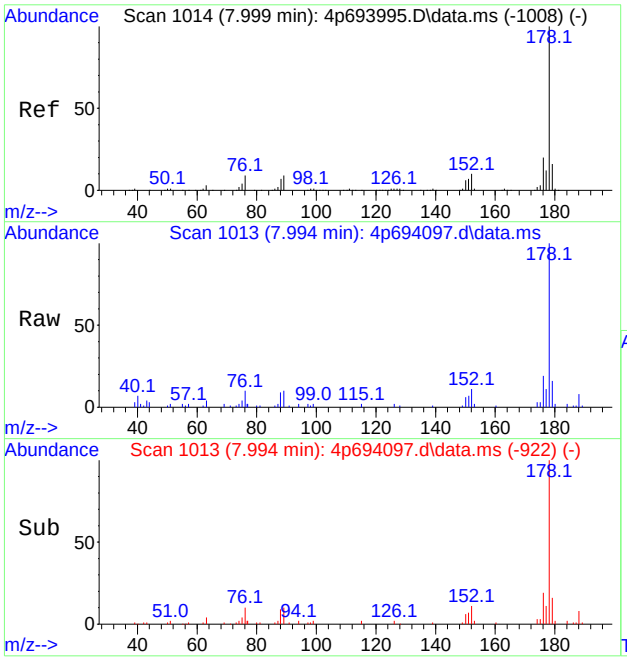


#56
Acenaphthylene
Concen: 0.2882 ppm
RT: 6.503 min Scan# 734
Delta R.T. -0.005 min
Lab File: 4p694097.d
Acq: 4 Dec 2024 6:39 pm

Tgt Ion:152 Resp: 2362

Ion	Ratio	Lower	Upper
152	100		
151	19.0	0.0	51.0
153	13.3	0.0	44.0

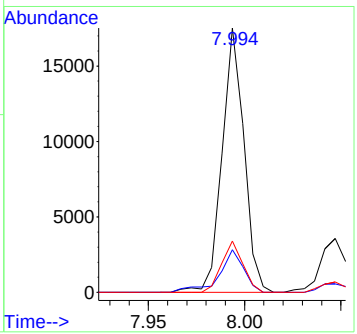


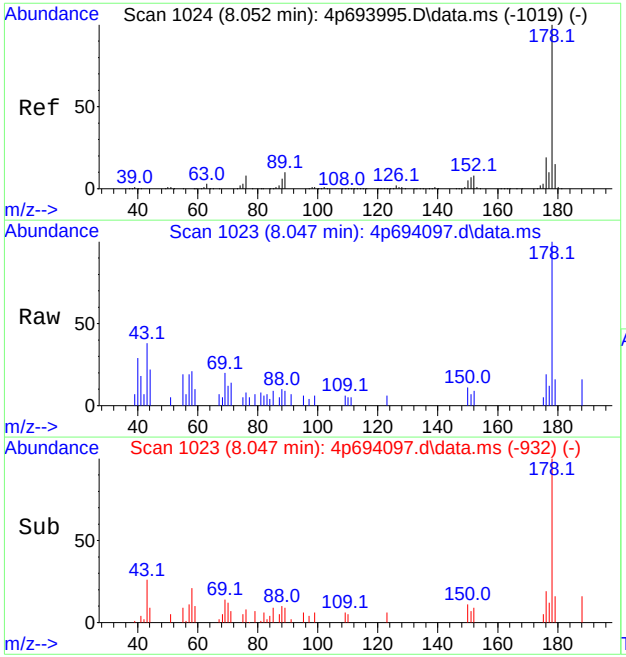


#78
Phenanthrene
Concen: 1.5138 ppm
RT: 7.994 min Scan# 1013
Delta R.T. -0.016 min
Lab File: 4p694097.d
Acq: 4 Dec 2024 6:39 pm

Tgt Ion:178 Resp: 13860

Ion	Ratio	Lower	Upper
178	100		
179	16.2	0.0	45.5
176	19.4	0.0	49.9

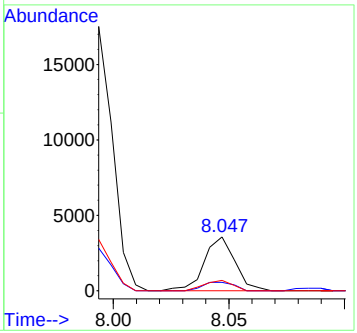


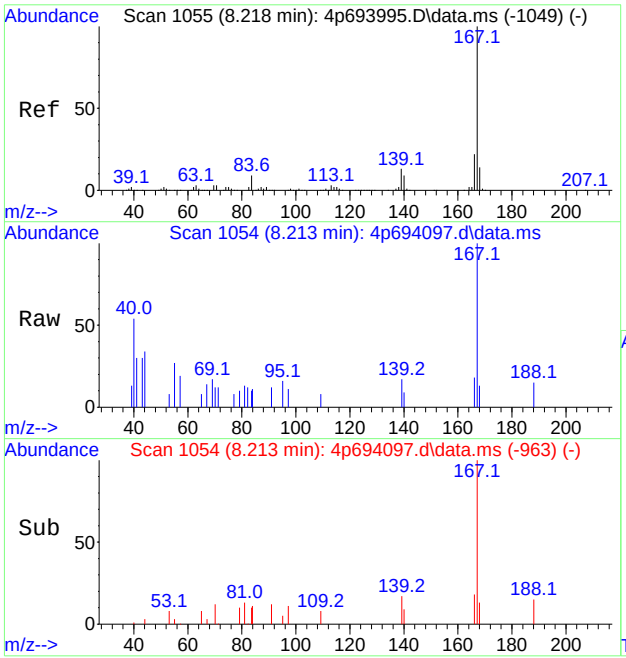


#79
Anthracene
Concen: 0.3674 ppm
RT: 8.047 min Scan# 1023
Delta R.T. -0.016 min
Lab File: 4p694097.d
Acq: 4 Dec 2024 6:39 pm

Tgt Ion:178 Resp: 3307

Ion	Ratio	Lower	Upper
178	100		
179	15.8	0.0	45.3
176	19.3	0.0	49.4

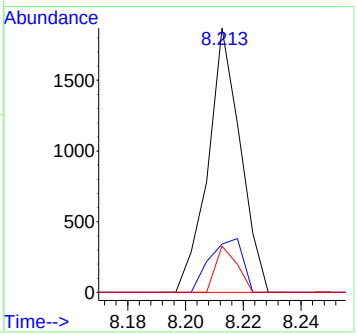


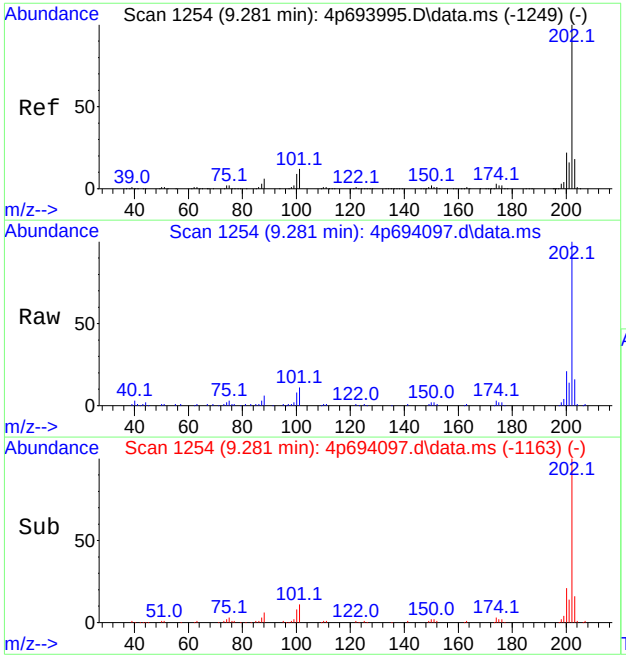


#80
Carbazole
Concen: 0.1763 ppm
RT: 8.213 min Scan# 1054
Delta R.T. -0.016 min
Lab File: 4p694097.d
Acq: 4 Dec 2024 6:39 pm

Tgt Ion:167 Resp: 1457

Ion	Ratio	Lower	Upper
167	100		
166	18.3	0.0	52.3
139	17.5	0.0	42.3

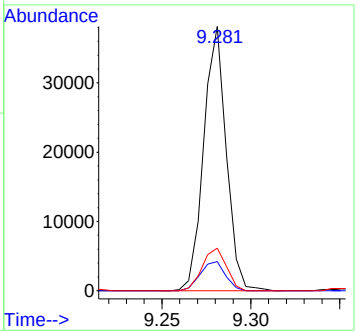


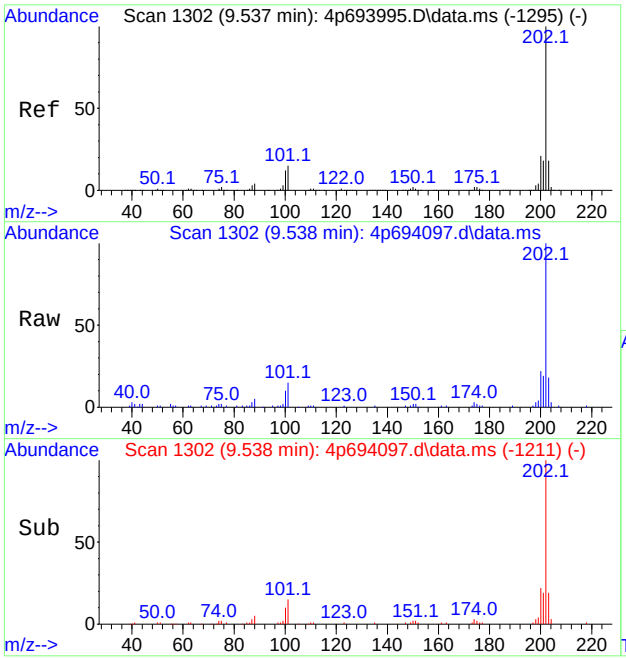


#82
Fluoranthene
Concen: 3.3820 ppm
RT: 9.281 min Scan# 1254
Delta R.T. -0.016 min
Lab File: 4p694097.d
Acq: 4 Dec 2024 6:39 pm

Tgt Ion:202 Resp: 33580

Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	41.6
203	16.2	0.0	47.6

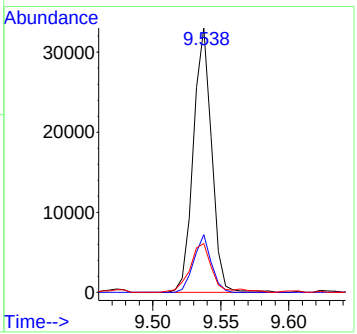


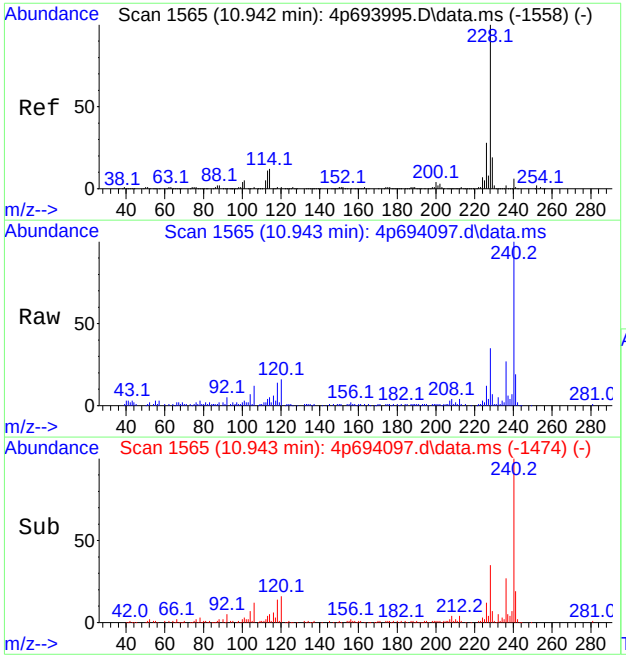


#86
Pyrene
Concen: 3.3070 ppm
RT: 9.538 min Scan# 1302
Delta R.T. -0.016 min
Lab File: 4p694097.d
Acq: 4 Dec 2024 6:39 pm

Tgt Ion:202 Resp: 30928

Ion	Ratio	Lower	Upper
202	100		
200	21.8	0.0	52.0
203	18.2	0.0	47.4

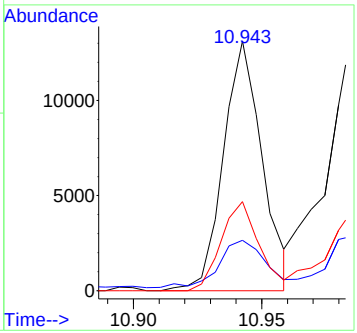


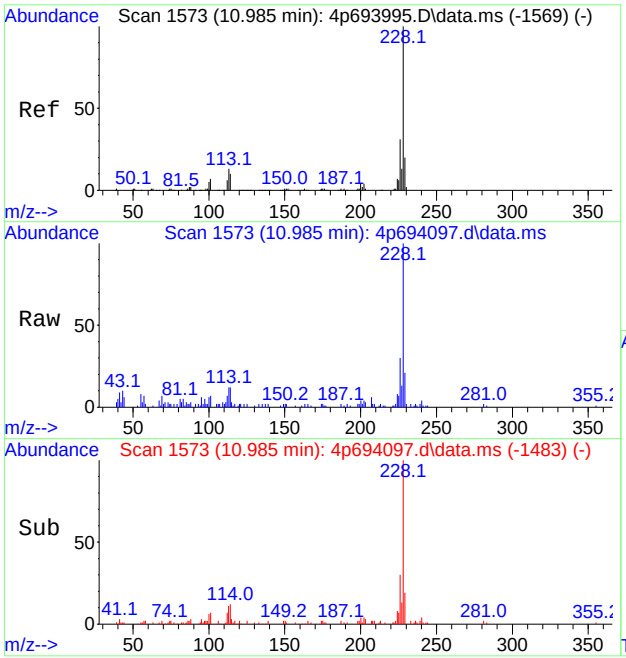


#89
Benzo[a]anthracene
Concen: 1.6000 ppm
RT: 10.943 min Scan# 1565
Delta R.T. -0.016 min
Lab File: 4p694097.d
Acq: 4 Dec 2024 6:39 pm

Tgt Ion:228 Resp: 13828

Ion	Ratio	Lower	Upper
228	100		
229	18.9	0.0	49.8
226	36.6	0.0	58.4

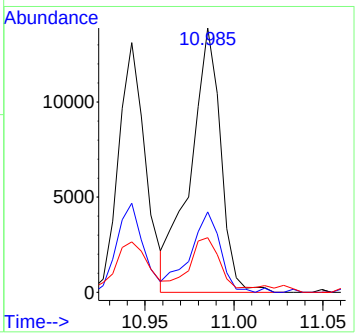


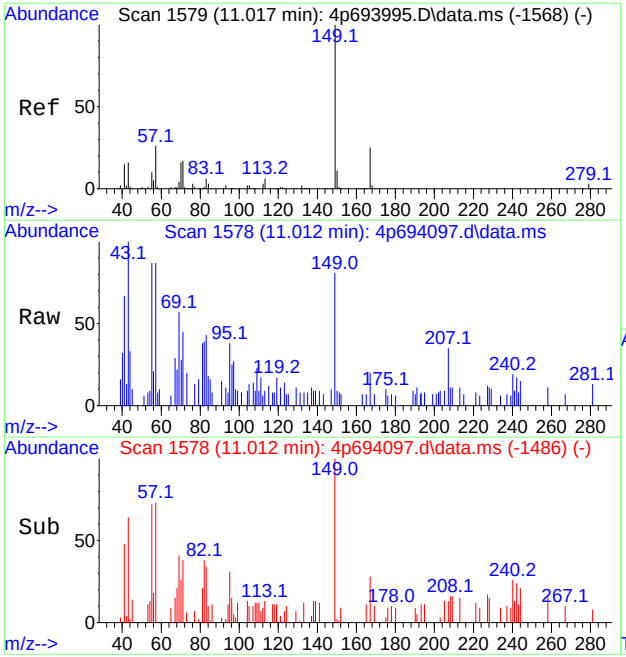


#91
Chrysene
Concen: 1.9809 ppm
RT: 10.985 min Scan# 1573
Delta R.T. -0.021 min
Lab File: 4p694097.d
Acq: 4 Dec 2024 6:39 pm

Tgt Ion:228 Resp: 16505

Ion	Ratio	Lower	Upper
228	100		
226	30.9	1.4	61.4
229	18.7	0.0	49.5

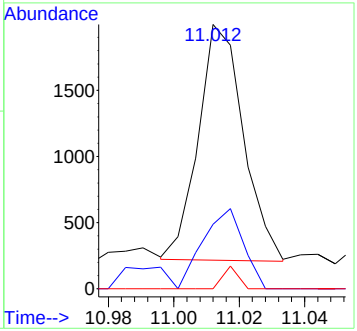


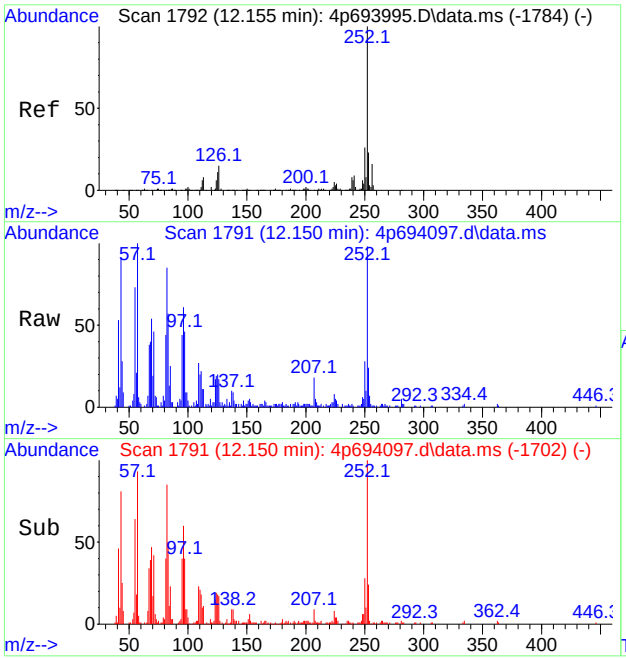


#92
bis(2-Ethylhexyl)phthalate
Concen: 0.3103 ppm m
RT: 11.012 min Scan# 1578
Delta R.T. -0.011 min
Lab File: 4p694097.d
Acq: 4 Dec 2024 6:39 pm

Tgt Ion:149 Resp: 1708

Ion	Ratio	Lower	Upper
149	100		
167	24.4	0.0	55.8
279	0.0	0.0	33.0

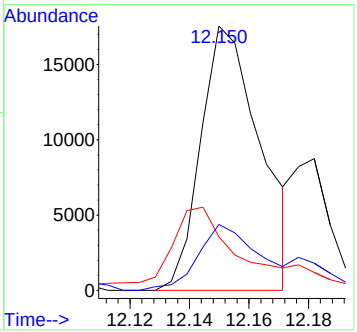


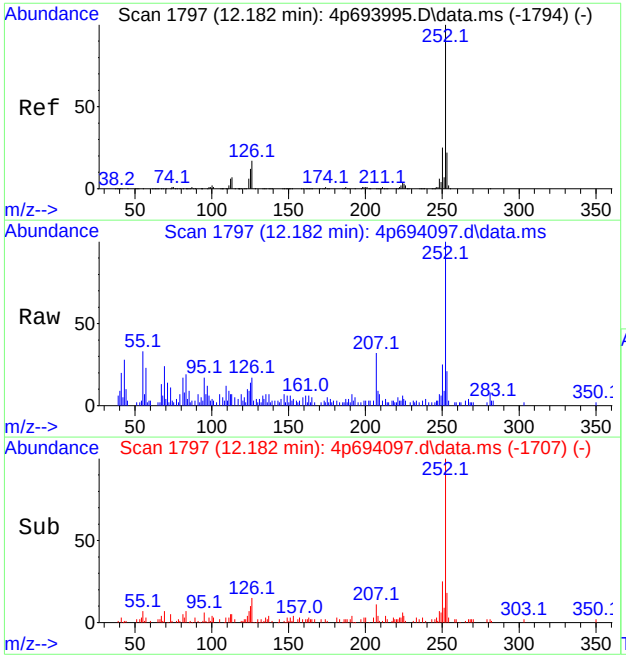


#95
Benzo[b]fluoranthene
Concen: 2.4629 ppm m
RT: 12.150 min Scan# 1791
Delta R.T. -0.027 min
Lab File: 4p694097.d
Acq: 4 Dec 2024 6:39 pm

Tgt Ion:252 Resp: 24388

Ion	Ratio	Lower	Upper
252	100		
253	24.9	0.0	52.1
125	20.3	0.0	42.4

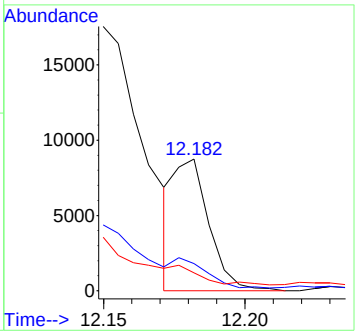


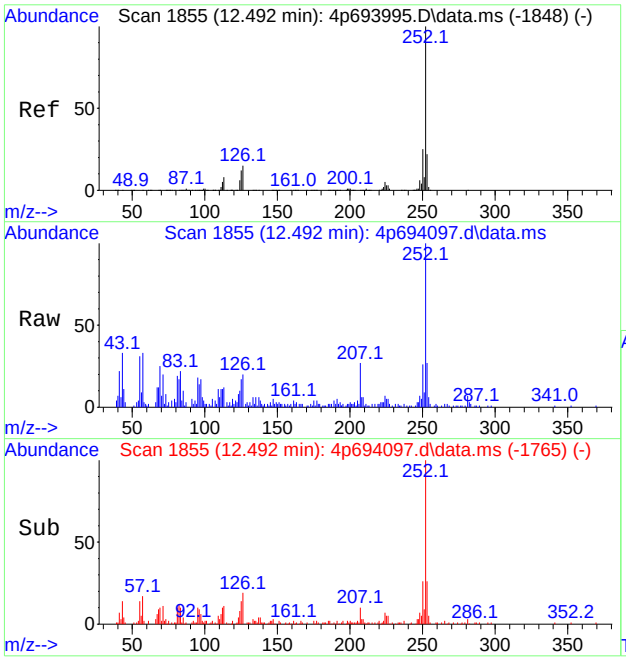


#96
Benzo[k]fluoranthene
Concen: 0.8010 ppm m
RT: 12.182 min Scan# 1797
Delta R.T. -0.021 min
Lab File: 4p694097.d
Acq: 4 Dec 2024 6:39 pm

Tgt Ion:252 Resp: 7521

Ion	Ratio	Lower	Upper
252	100		
253	20.6	0.0	51.8
125	13.7	0.0	42.6

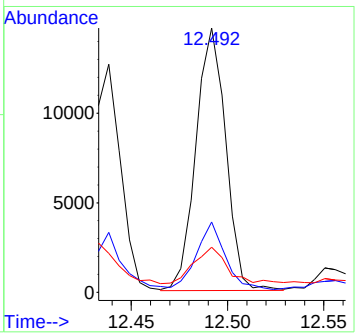


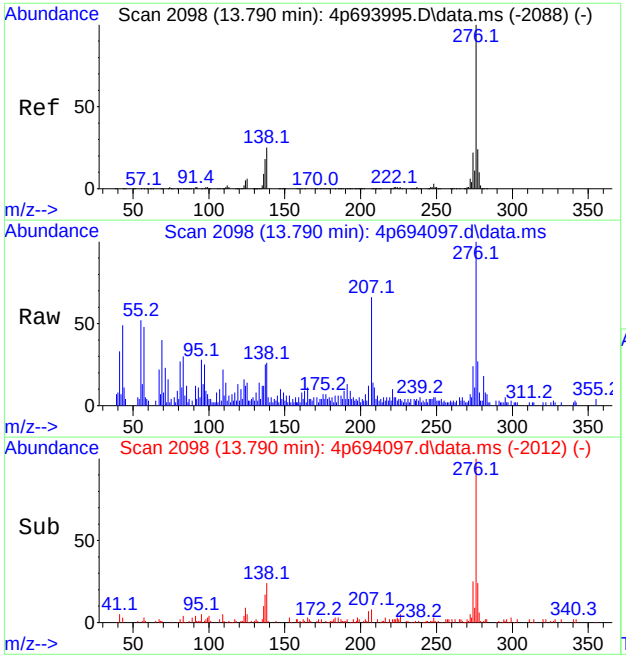


#97
Benzo[a]pyrene
Concen: 1.8880 ppm
RT: 12.492 min Scan# 1855
Delta R.T. -0.021 min
Lab File: 4p694097.d
Acq: 4 Dec 2024 6:39 pm

Tgt Ion:252 Resp: 15805

Ion	Ratio	Lower	Upper
252	100		
253	25.0	0.0	52.3
125	13.7	0.0	43.1

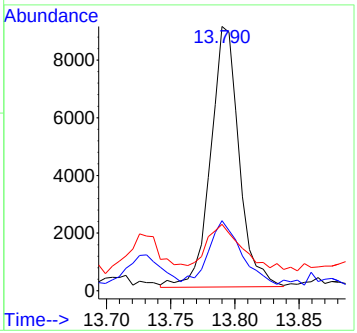


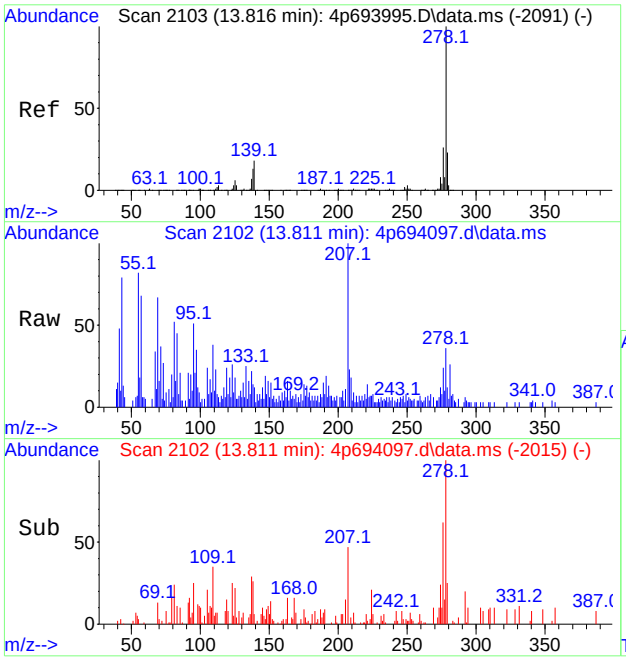


#98
Indeno[1,2,3-cd]pyrene
Concen: 1.2472 ppm
RT: 13.790 min Scan# 2098
Delta R.T. -0.043 min
Lab File: 4p694097.d
Acq: 4 Dec 2024 6:39 pm

Tgt Ion:276 Resp: 13903

Ion	Ratio	Lower	Upper
276	100		
138	20.4	0.0	55.6
137	15.5	0.0	47.8

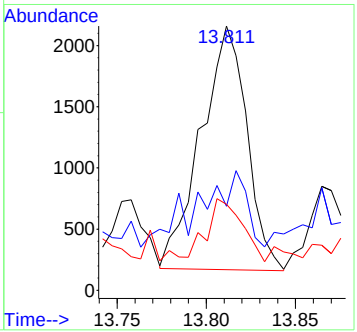


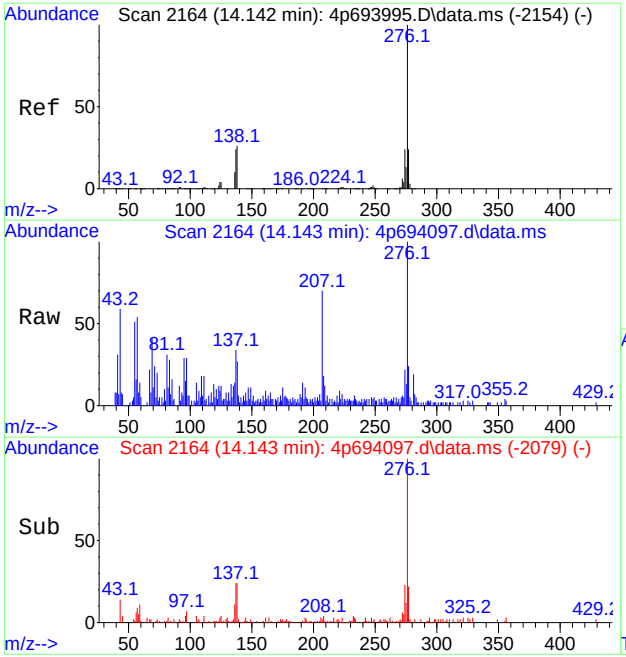


#100
Dibenz[a,h]anthracene
Concen: 0.3946 ppm m
RT: 13.811 min Scan# 2102
Delta R.T. -0.037 min
Lab File: 4p694097.d
Acq: 4 Dec 2024 6:39 pm

Tgt Ion:278 Resp: 3567

Ion	Ratio	Lower	Upper
278	100		
139	31.8	0.0	49.6
279	32.5	0.0	53.2

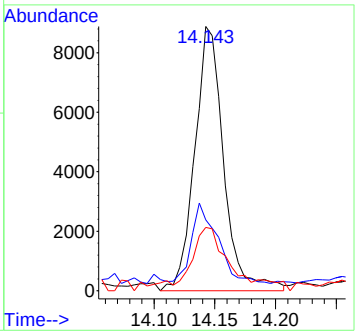




#102
Benzo[g,h,i]perylene
Concen: 1.7466 ppm
RT: 14.143 min Scan# 2164
Delta R.T. -0.048 min
Lab File: 4p694097.d
Acq: 4 Dec 2024 6:39 pm

Tgt Ion:276 Resp: 14741

Ion	Ratio	Lower	Upper
276	100		
138	23.3	0.0	55.1
277	20.9	0.0	53.9



Manual Integrations APPROVED (compounds with "m" flag)
Ying Li
12/05/24 08:09

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\anthonyt\12-05-24\E4P3701\
Data File : 4p694098.d
Acq On : 4 Dec 2024 7:02 pm
Operator : anthonyo
Sample : je1300-16 Inst : GCMS4P
Misc : op59832,e4p3701,30.6,,,1,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 05 01:30:59 2024
Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Thu Dec 05 00:49:19 2024
Response via : Initial Calibration

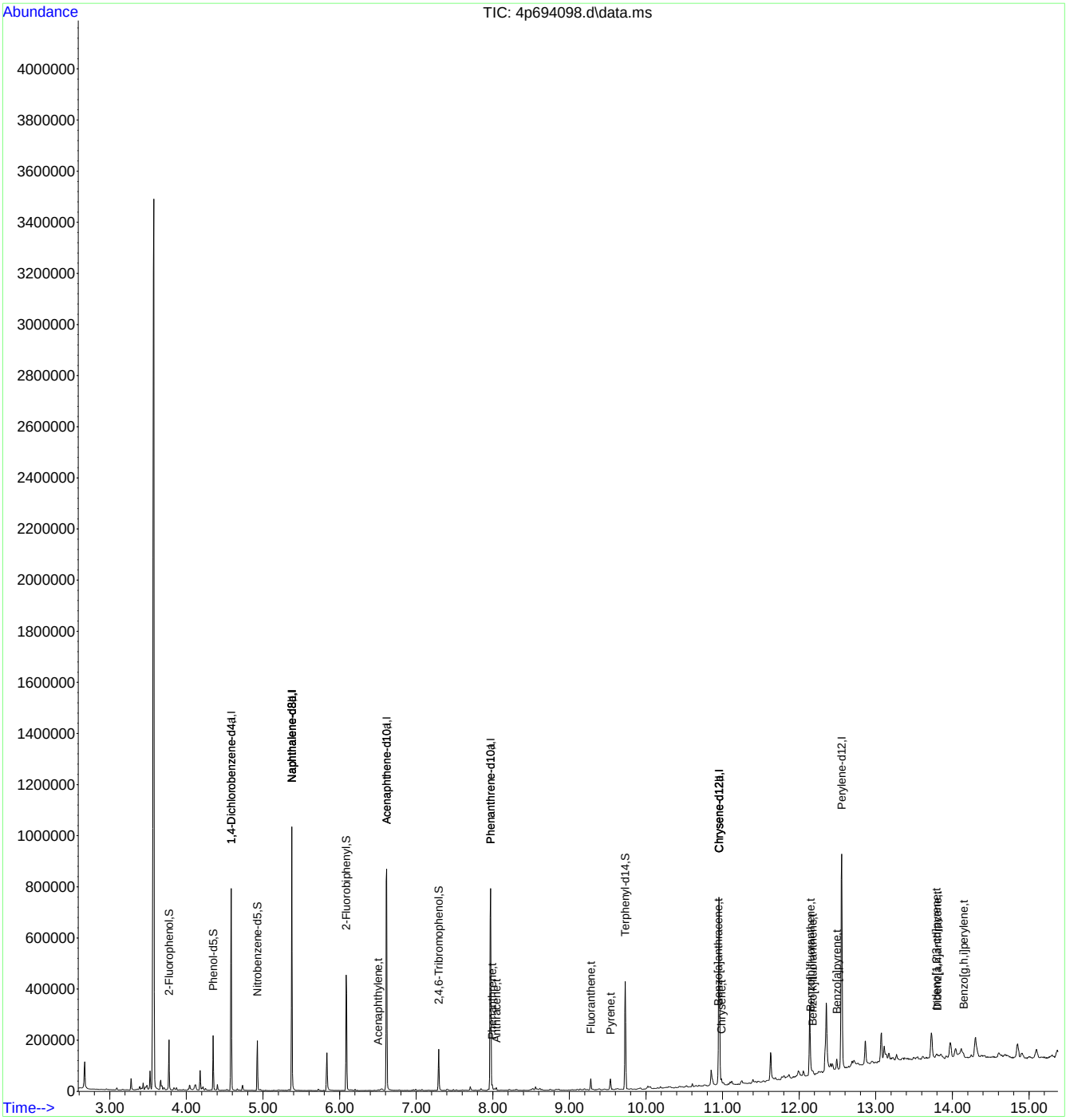
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.585	152	84282	40.00	ppm	0.00
24) Naphthalene-d8	5.376	136	319355	40.00	ppm	0.00
46) Acenaphthene-d10	6.615	164	172230	40.00	ppm	0.00
69) Phenanthrene-d10	7.972	188	280895	40.00	ppm	-0.01
84) Chrysene-d12	10.953	240	264968	40.00	ppm	-0.02
93) Perylene-d12	12.556	264	322624	40.00	ppm	-0.02
103) 1,4-Dichlorobenzene-d4a	4.585	152	84282	40.00	ppm	0.00
105) Acenaphthene-d10a	6.615	164	172230	40.00	ppm	0.00
107) Chrysene-d12a	10.953	240	264968	40.00	ppm	-0.02
109) Phenanthrene-d10a	7.972	188	280895	40.00	ppm	-0.01
111) Naphthalene-d8a	5.376	136	319355	40.00	ppm	0.00
113) Chrysene-d12b	10.953	240	264968	40.00	ppm	-0.02
115) Naphthalene-d8b	5.376	136	319355	40.00	ppm	0.00
118) Naphthalene-d8c	5.376	136	319355	40.00	ppm	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.773	112	36516	15.76	ppm	0.00
Spiked Amount 50.000			Recovery = 31.52%			
8) Phenol-d5	4.350	99	46813	15.36	ppm	0.00
Spiked Amount 50.000			Recovery = 30.72%			
25) Nitrobenzene-d5	4.927	82	42723	15.10	ppm	0.00
Spiked Amount 50.000			Recovery = 30.20%			
51) 2-Fluorobiphenyl	6.086	172	118661	20.23	ppm	-0.01
Spiked Amount 50.000			Recovery = 40.46%			
74) 2,4,6-Tribromophenol	7.294	330	13860	19.58	ppm	-0.01
Spiked Amount 50.000			Recovery = 39.16%			
87) Terphenyl-d14	9.730	244	137184	20.81	ppm	-0.01
Spiked Amount 50.000			Recovery = 41.62%			
108) 1-chlorooctadecane	0.000	57	0d	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
110) o-terphenyl	0.000	230	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
56) Acenaphthylene	6.503	152	1667	0.2374	ppm	92
78) Phenanthrene	7.994	178	7194	0.9150	ppm	96
79) Anthracene	8.047	178	1711	0.2214	ppm	93
82) Fluoranthene	9.281	202	17865	2.0953	ppm	96
86) Pyrene	9.537	202	16640	1.7849	ppm	97
89) Benzo[a]anthracene	10.942	228	8848	1.0270	ppm	93
91) Chrysene	10.985	228	10272	1.2367	ppm	99
95) Benzo[b]fluoranthene	12.150	252	16114m	1.6136	ppm	
96) Benzo[k]fluoranthene	12.177	252	4157m	0.4390	ppm	
97) Benzo[a]pyrene	12.492	252	9468m	1.1214	ppm	
98) Indeno[1,2,3-cd]pyrene	13.790	276	8101m	0.7206	ppm	
100) Dibenz[a,h]anthracene	13.806	278	2633	0.2888	ppm	91
102) Benzo[g,h,i]perylene	14.148	276	9355	1.0991	ppm	94

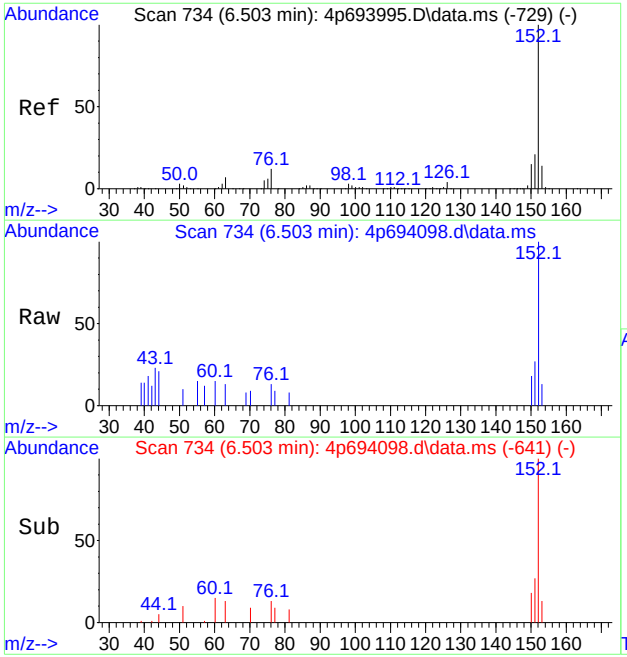
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\anthonyt\12-05-24\E4P3701\
Data File : 4p694098.d
Acq On : 4 Dec 2024 7:02 pm
Operator : anthonyo
Sample : je1300-16 Inst : GCMS4P
Misc : op59832,e4p3701,30.6,,,1,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 05 01:30:59 2024
Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Thu Dec 05 00:49:19 2024
Response via : Initial Calibration

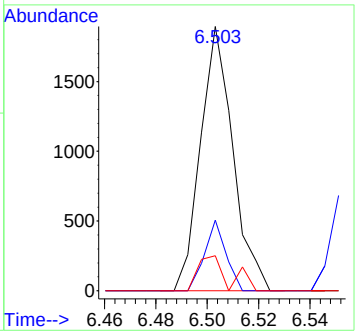


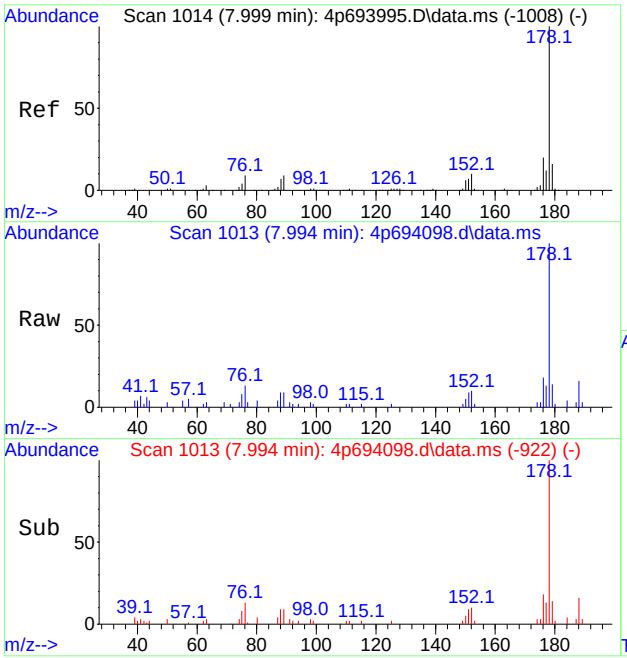


#56
Acenaphthylene
Concen: 0.2374 ppm
RT: 6.503 min Scan# 734
Delta R.T. -0.005 min
Lab File: 4p694098.d
Acq: 4 Dec 2024 7:02 pm

Tgt Ion:152 Resp: 1667

Ion	Ratio	Lower	Upper
152	100		
151	26.7	0.0	51.0
153	13.3	0.0	44.0

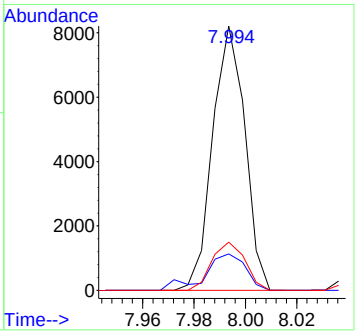


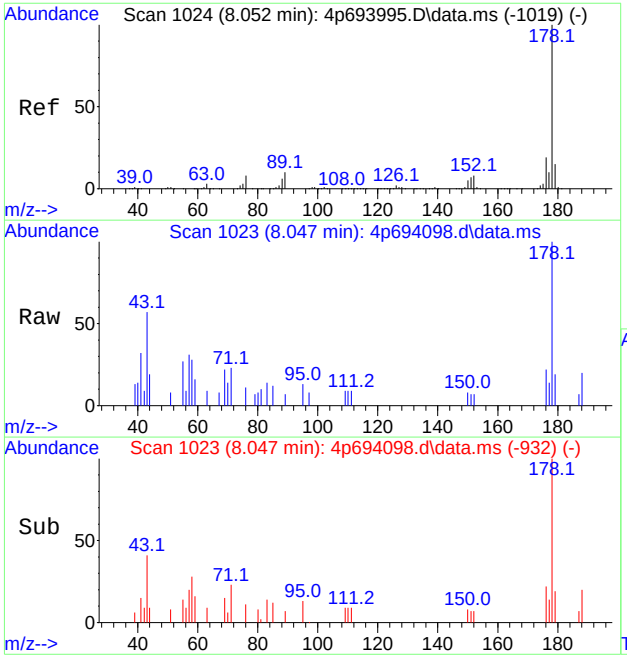


#78
Phenanthrene
Concen: 0.9150 ppm
RT: 7.994 min Scan# 1013
Delta R.T. -0.016 min
Lab File: 4p694098.d
Acq: 4 Dec 2024 7:02 pm

Tgt Ion:178 Resp: 7194

Ion	Ratio	Lower	Upper
178	100		
179	13.8	0.0	45.5
176	18.3	0.0	49.9

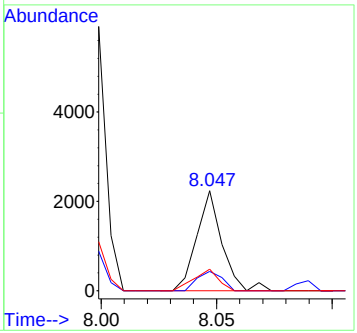


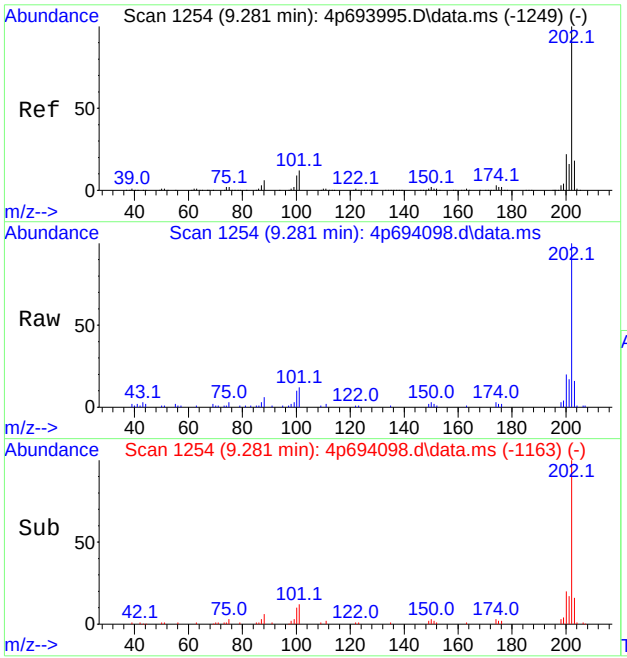


#79
Anthracene
Concen: 0.2214 ppm
RT: 8.047 min Scan# 1023
Delta R.T. -0.016 min
Lab File: 4p694098.d
Acq: 4 Dec 2024 7:02 pm

Tgt Ion:178 Resp: 1711

Ion	Ratio	Lower	Upper
178	100		
179	19.3	0.0	45.3
176	21.5	0.0	49.4

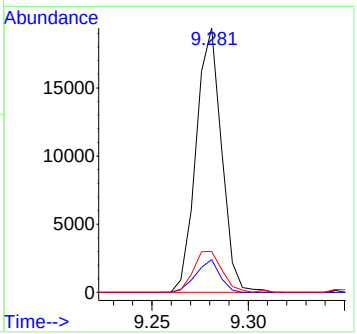


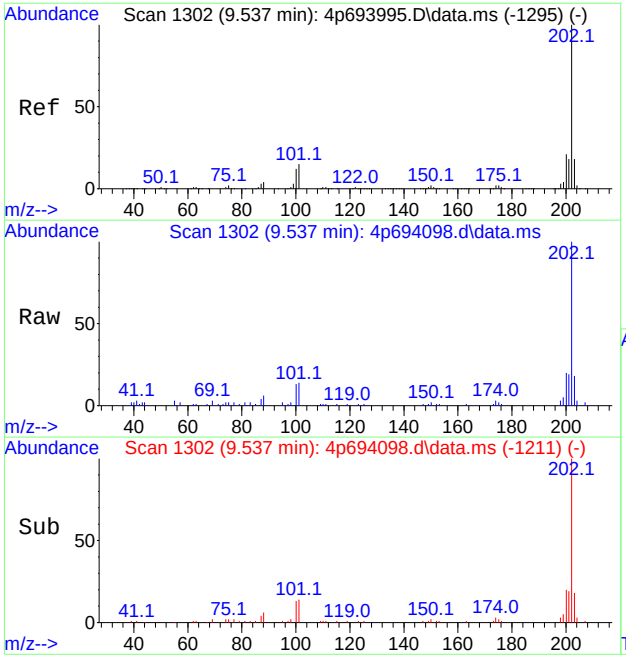


#82
Fluoranthene
Concen: 2.0953 ppm
RT: 9.281 min Scan# 1254
Delta R.T. -0.016 min
Lab File: 4p694098.d
Acq: 4 Dec 2024 7:02 pm

Tgt Ion:202 Resp: 17865

Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	41.6
203	15.5	0.0	47.6

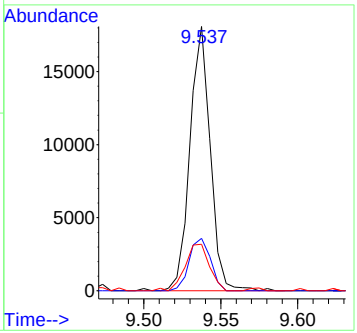


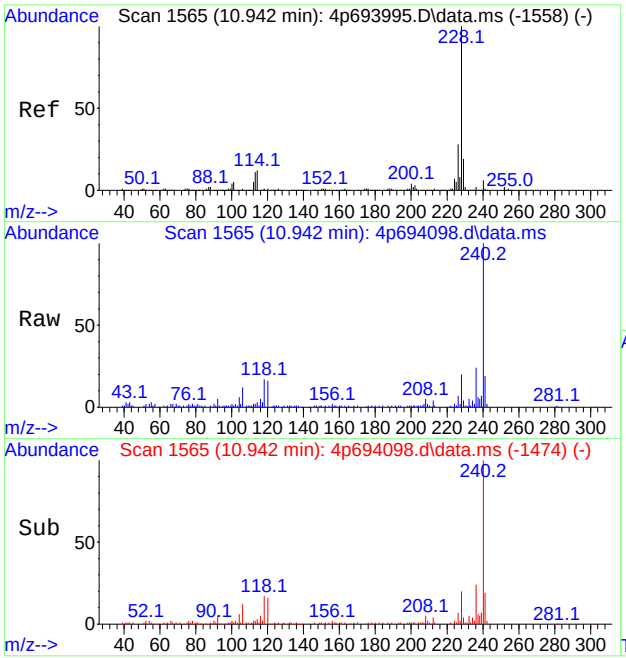


#86
Pyrene
Concen: 1.7849 ppm
RT: 9.537 min Scan# 1302
Delta R.T. -0.016 min
Lab File: 4p694098.d
Acq: 4 Dec 2024 7:02 pm

Tgt Ion:202 Resp: 16640

Ion	Ratio	Lower	Upper
202	100		
200	19.9	0.0	52.0
203	17.1	0.0	47.4

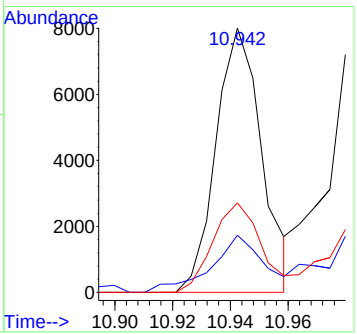


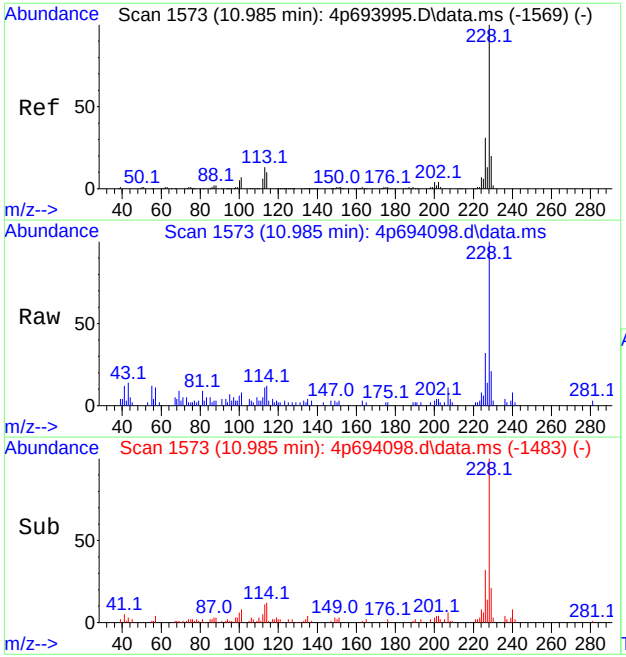


#89
Benzo[a]anthracene
Concen: 1.0270 ppm
RT: 10.942 min Scan# 1565
Delta R.T. -0.016 min
Lab File: 4p694098.d
Acq: 4 Dec 2024 7:02 pm

Tgt Ion:228 Resp: 8848

Ion	Ratio	Lower	Upper
228	100		
229	19.1	0.0	49.8
226	34.2	0.0	58.4

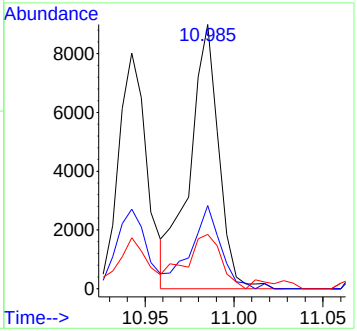


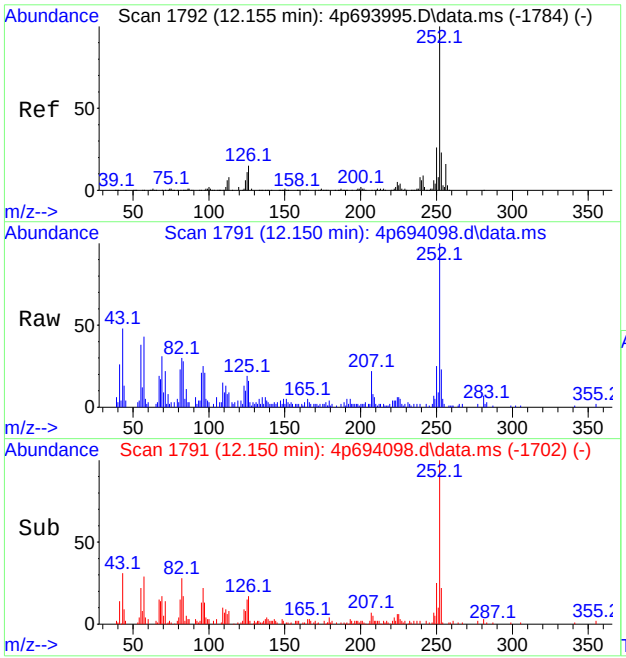


#91
Chrysene
Concen: 1.2367 ppm
RT: 10.985 min Scan# 1573
Delta R.T. -0.021 min
Lab File: 4p694098.d
Acq: 4 Dec 2024 7:02 pm

Tgt Ion:228 Resp: 10272

Ion	Ratio	Lower	Upper
228	100		
226	31.6	1.4	61.4
229	18.1	0.0	49.5

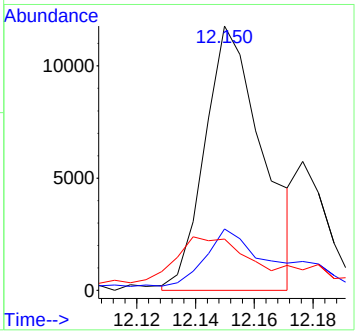


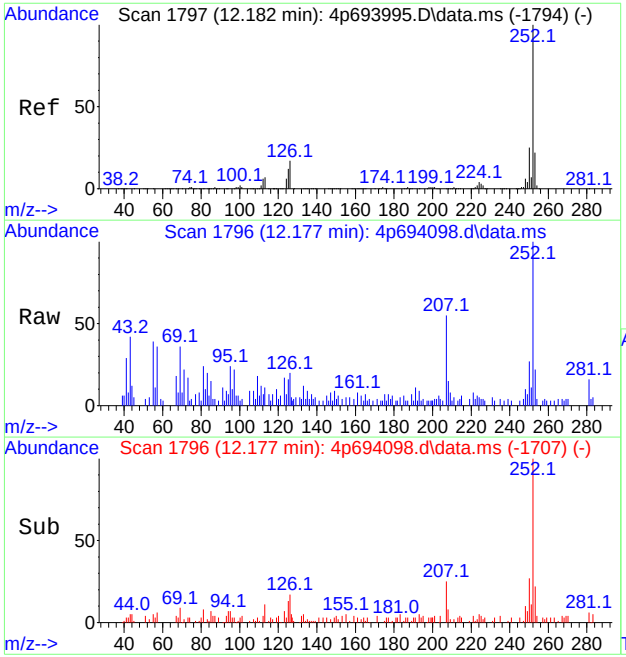


#95
Benzo[b]fluoranthene
Concen: 1.6136 ppm m
RT: 12.150 min Scan# 1791
Delta R.T. -0.027 min
Lab File: 4p694098.d
Acq: 4 Dec 2024 7:02 pm

Tgt Ion:252 Resp: 16114

Ion	Ratio	Lower	Upper
252	100		
253	23.2	0.0	52.1
125	19.4	0.0	42.4

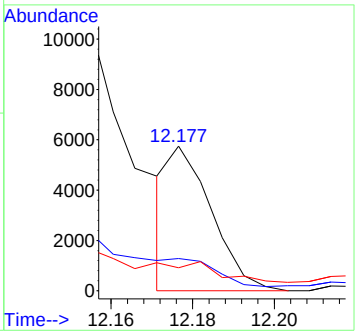


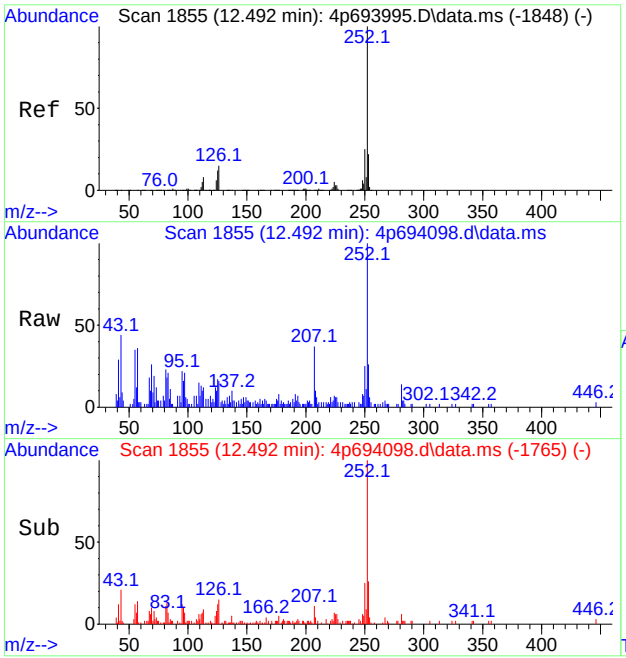


#96
Benzo[k]fluoranthene
Concen: 0.4390 ppm m
RT: 12.177 min Scan# 1796
Delta R.T. -0.027 min
Lab File: 4p694098.d
Acq: 4 Dec 2024 7:02 pm

Tgt Ion:252 Resp: 4157

Ion	Ratio	Lower	Upper
252	100		
253	22.4	0.0	51.8
125	15.9	0.0	42.6

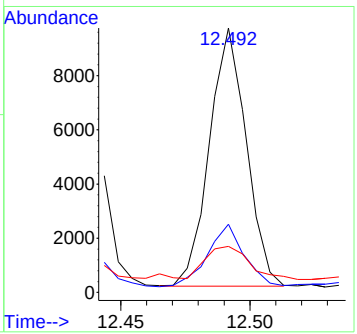


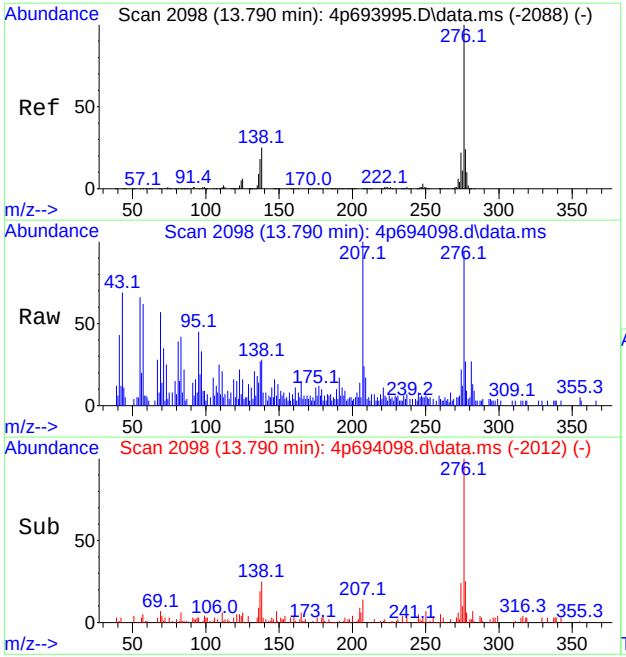


#97
Benzo[a]pyrene
Concen: 1.1214 ppm m
RT: 12.492 min Scan# 1855
Delta R.T. -0.021 min
Lab File: 4p694098.d
Acq: 4 Dec 2024 7:02 pm

Tgt Ion:252 Resp: 9468

Ion	Ratio	Lower	Upper
252	100		
253	25.7	0.0	52.3
125	17.4	0.0	43.1

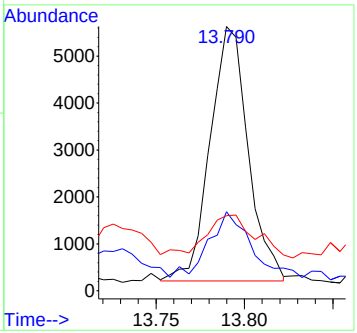


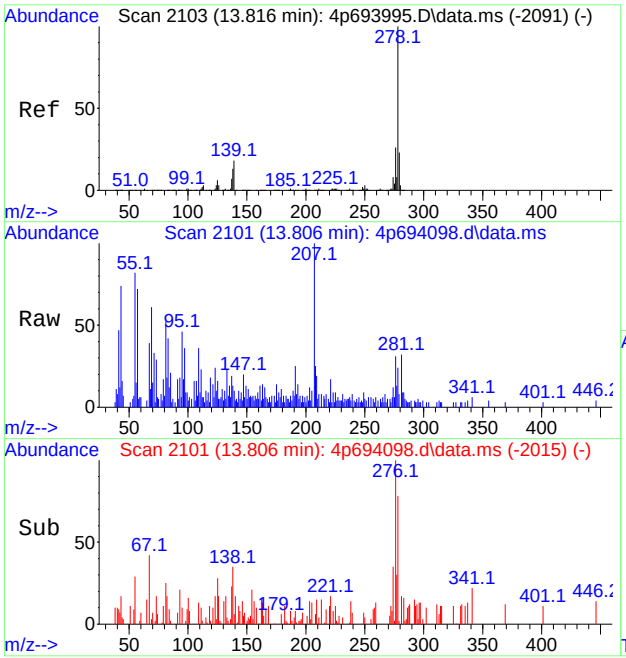


#98
Indeno[1,2,3-cd]pyrene
Concen: 0.7206 ppm m
RT: 13.790 min Scan# 2098
Delta R.T. -0.043 min
Lab File: 4p694098.d
Acq: 4 Dec 2024 7:02 pm

Tgt Ion:276 Resp: 8101

Ion	Ratio	Lower	Upper
276	100		
138	29.9	0.0	55.6
137	28.5	0.0	47.8

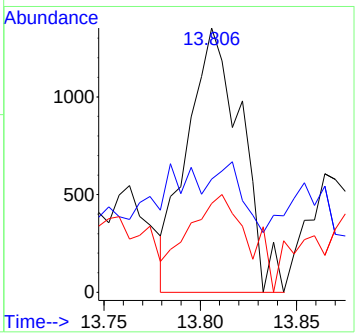


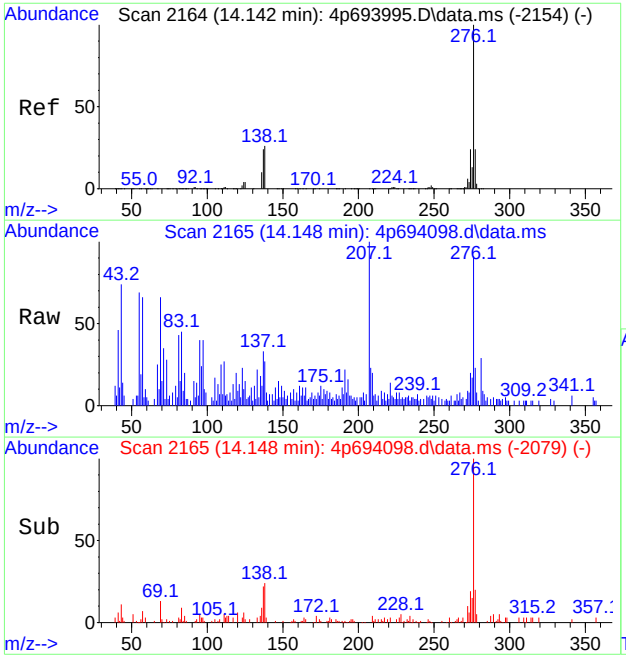


#100
Dibenz[a,h]anthracene
Concen: 0.2888 ppm
RT: 13.806 min Scan# 2101
Delta R.T. -0.043 min
Lab File: 4p694098.d
Acq: 4 Dec 2024 7:02 pm

Tgt Ion:278 Resp: 2633

Ion	Ratio	Lower	Upper
278	100		
139	14.4	0.0	49.6
279	20.1	0.0	53.2

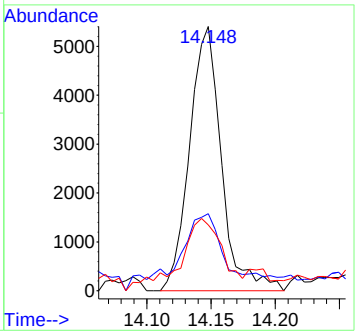




#102
Benzo[g,h,i]perylene
Concen: 1.0991 ppm
RT: 14.148 min Scan# 2165
Delta R.T. -0.043 min
Lab File: 4p694098.d
Acq: 4 Dec 2024 7:02 pm

Tgt Ion:276 Resp: 9355

Ion	Ratio	Lower	Upper
276	100		
138	22.8	0.0	55.1
277	19.9	0.0	53.9



Manual Integrations APPROVED (compounds with "m" flag)
Ying Li
12/05/24 08:09

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\anthonyt\12-05-24\E4P3701\
Data File : 4p694099.d
Acq On : 4 Dec 2024 7:26 pm
Operator : anthonyo
Sample : je1300-18 Inst : GCMS4P
Misc : op59832,e4p3701,30.5,,,1,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 05 01:35:28 2024
Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Thu Dec 05 00:49:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.585	152	102420	40.00	ppm	0.00
24) Naphthalene-d8	5.376	136	360252	40.00	ppm	0.00
46) Acenaphthene-d10	6.615	164	190389	40.00	ppm	0.00
69) Phenanthrene-d10	7.972	188	302190	40.00	ppm	-0.01
84) Chrysene-d12	10.958	240	261109	40.00	ppm	-0.02
93) Perylene-d12	12.556	264	335844	40.00	ppm	-0.02
103) 1,4-Dichlorobenzene-d4a	4.585	152	102420	40.00	ppm	0.00
105) Acenaphthene-d10a	6.615	164	190389	40.00	ppm	0.00
107) Chrysene-d12a	10.958	240	261109	40.00	ppm	-0.02
109) Phenanthrene-d10a	7.972	188	302190	40.00	ppm	-0.01
111) Naphthalene-d8a	5.376	136	360252	40.00	ppm	0.00
113) Chrysene-d12b	10.958	240	261109	40.00	ppm	-0.02
115) Naphthalene-d8b	5.376	136	360252	40.00	ppm	0.00
118) Naphthalene-d8c	5.376	136	360252	40.00	ppm	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.773	112	74114	26.33	ppm	0.00
Spiked Amount 50.000			Recovery =	52.66%		
8) Phenol-d5	4.350	99	92893	25.08	ppm	0.00
Spiked Amount 50.000			Recovery =	50.16%		
25) Nitrobenzene-d5	4.927	82	90644	28.41	ppm	0.00
Spiked Amount 50.000			Recovery =	56.82%		
51) 2-Fluorobiphenyl	6.092	172	203512	31.39	ppm	0.00
Spiked Amount 50.000			Recovery =	62.78%		
74) 2,4,6-Tribromophenol	7.294	330	22607	29.69	ppm	-0.01
Spiked Amount 50.000			Recovery =	59.38%		
87) Terphenyl-d14	9.730	244	204684	31.51	ppm	-0.01
Spiked Amount 50.000			Recovery =	63.02%		
108) 1-chlorooctadecane	0.000	57	0d	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
110) o-terphenyl	0.000	230	0	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
38) Naphthalene	5.392	128	2340	0.2484	ppm	97
44) 2-Methylnaphthalene	5.835	141	899	0.1576	ppm	82
53) Biphenyl	6.166	154	929	0.1285	ppm	91
56) Acenaphthylene	6.503	152	8457	1.0896	ppm	97
59) Acenaphthene	6.642	153	1725	0.2909	ppm	88
62) Dibenzofuran	6.781	168	1293	0.1605	ppm	75
66) Fluorene	7.074	166	2397	0.3731	ppm	92
78) Phenanthrene	7.993	178	36617	4.3291	ppm	100
79) Anthracene	8.047	178	11178	1.3444	ppm	94
80) Carbazole	8.212	167	4275	0.5598	ppm	95
82) Fluoranthene	9.281	202	85184	9.2867	ppm	99
86) Pyrene	9.537	202	81767	8.9002	ppm	98
89) Benzo[a]anthracene	10.942	228	41148	4.8469	ppm	88
91) Chrysene	10.985	228	44006	5.3764	ppm	94
92) bis(2-Ethylhexyl)phtha...	11.017	149	2745	0.5077	ppm	98
95) Benzo[b]fluoranthene	12.155	252	73553m	7.0753	ppm	
96) Benzo[k]fluoranthene	12.182	252	24052m	2.4401	ppm	
97) Benzo[a]pyrene	12.492	252	50147	5.7058	ppm	98
98) Indeno[1,2,3-cd]pyrene	13.800	276	38783	3.3140	ppm	91
100) Dibenz[a,h]anthracene	13.816	278	9543	1.0055	ppm	95
102) Benzo[g,h,i]perylene	14.153	276	38152	4.3059	ppm	98
104) Benzaldehyde	4.318	105	824m	0.2651	ppm	

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\anthonyt\12-05-24\E4P3701\
Data File : 4p694099.d
Acq On : 4 Dec 2024 7:26 pm
Operator : anthonyo
Sample : je1300-18 Inst : GCMS4P
Misc : op59832,e4p3701,30.5,,,1,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 05 01:35:28 2024
Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Thu Dec 05 00:49:19 2024
Response via : Initial Calibration

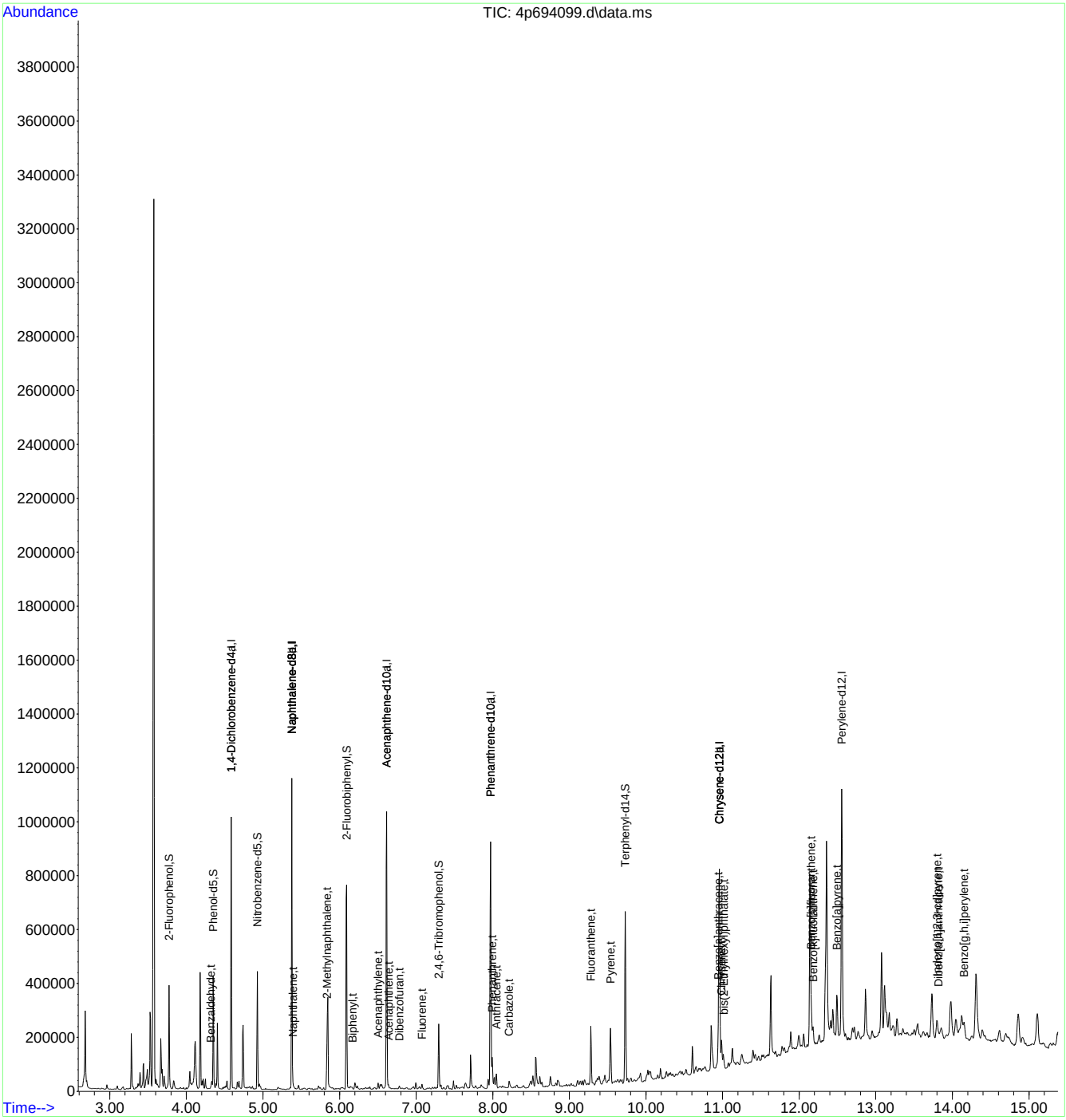
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

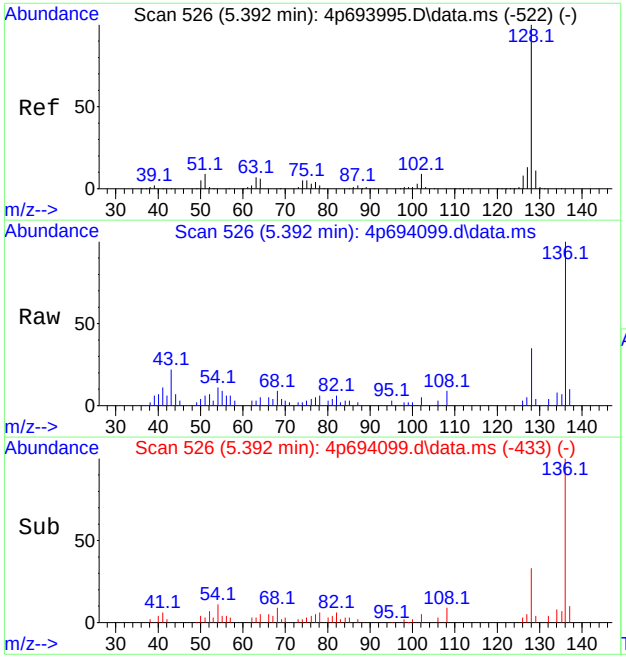
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\anthonyt\12-05-24\E4P3701\
Data File : 4p694099.d
Acq On : 4 Dec 2024 7:26 pm
Operator : anthonyo
Sample : je1300-18 Inst : GCMS4P
Misc : op59832,e4p3701,30.5,,,1,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 05 01:35:28 2024
Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Thu Dec 05 00:49:19 2024
Response via : Initial Calibration

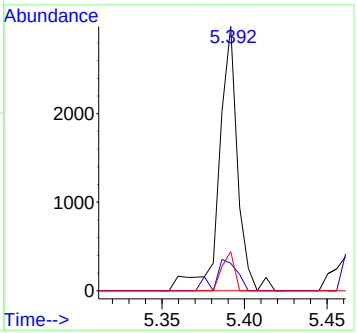


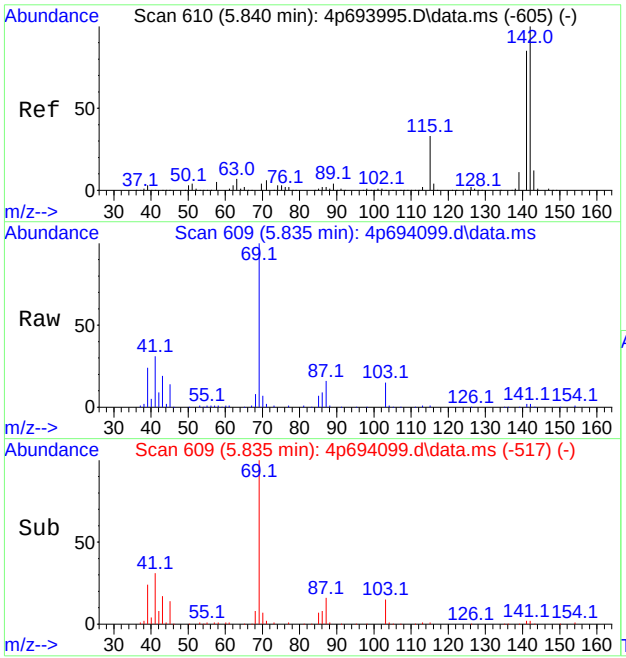


#38
Naphthalene
Concen: 0.2484 ppm
RT: 5.392 min Scan# 526
Delta R.T. -0.005 min
Lab File: 4p694099.d
Acq: 4 Dec 2024 7:26 pm

Tgt Ion:128 Resp: 2340

Ion	Ratio	Lower	Upper
128	100		
129	10.4	0.0	40.7
127	14.8	0.0	43.1

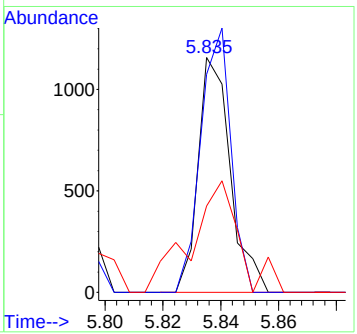


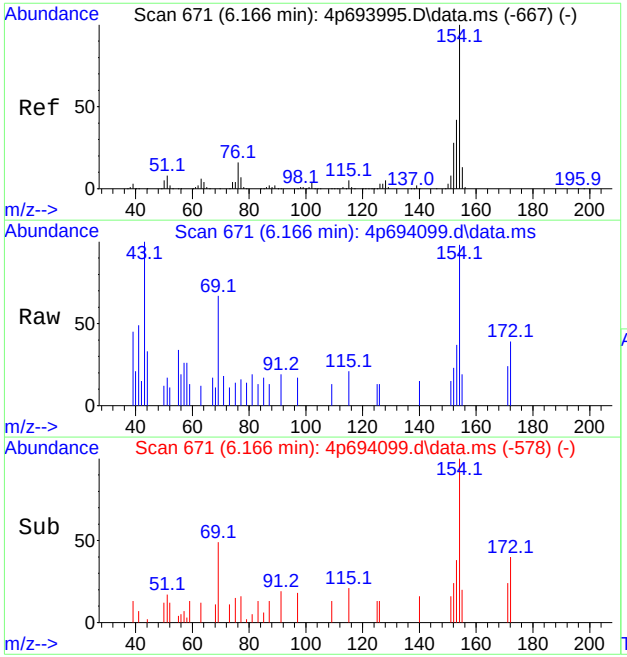


#44
2-Methylnaphthalene
Concen: 0.1576 ppm
RT: 5.835 min Scan# 609
Delta R.T. -0.011 min
Lab File: 4p694099.d
Acq: 4 Dec 2024 7:26 pm

Tgt Ion:141 Resp: 899

Ion	Ratio	Lower	Upper
141	100		
142	92.9	84.8	144.8
115	30.1	6.4	66.4

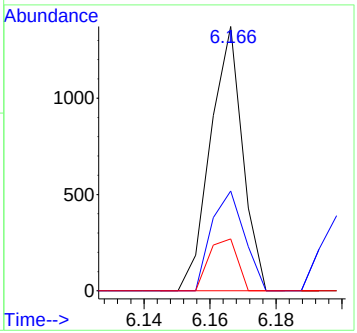


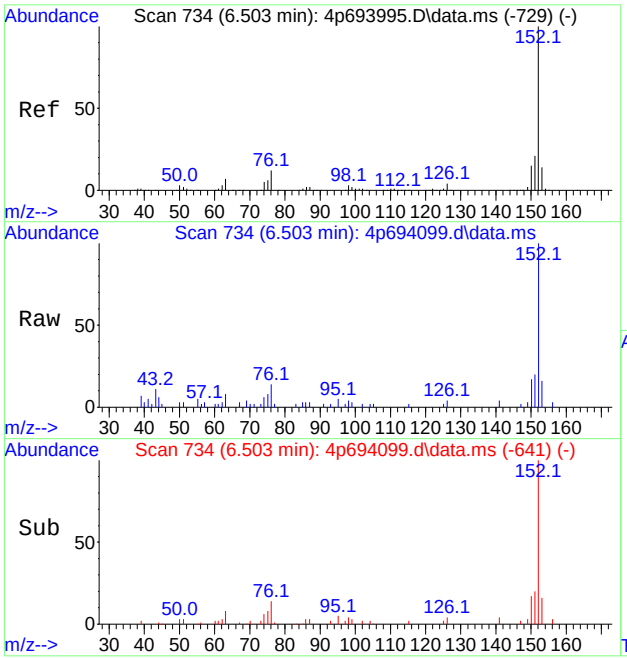


#53
Biphenyl
Concen: 0.1285 ppm
RT: 6.166 min Scan# 671
Delta R.T. -0.005 min
Lab File: 4p694099.d
Acq: 4 Dec 2024 7:26 pm

Tgt Ion:154 Resp: 929

Ion	Ratio	Lower	Upper
154	100		
153	37.8	11.6	71.6
155	19.7	0.0	43.1

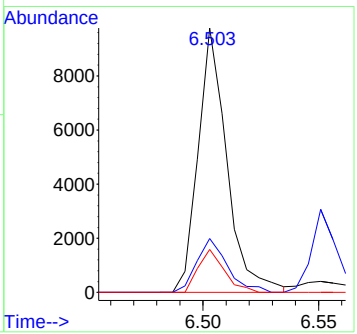


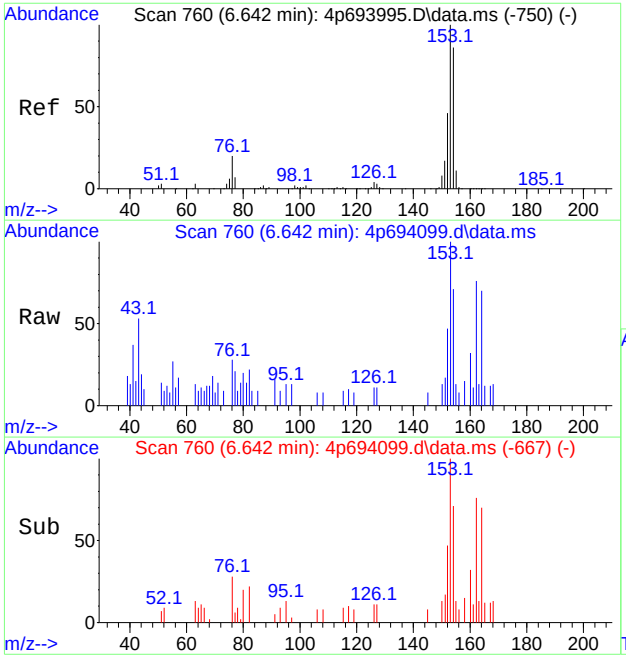


#56
Acenaphthylene
Concen: 1.0896 ppm
RT: 6.503 min Scan# 734
Delta R.T. -0.005 min
Lab File: 4p694099.d
Acq: 4 Dec 2024 7:26 pm

Tgt Ion:152 Resp: 8457

Ion	Ratio	Lower	Upper
152	100		
151	20.6	0.0	51.0
153	16.4	0.0	44.0

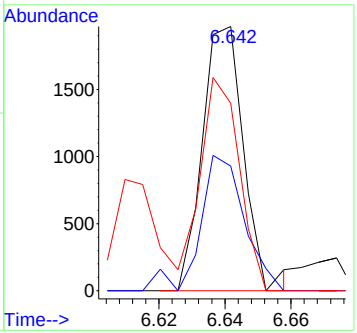


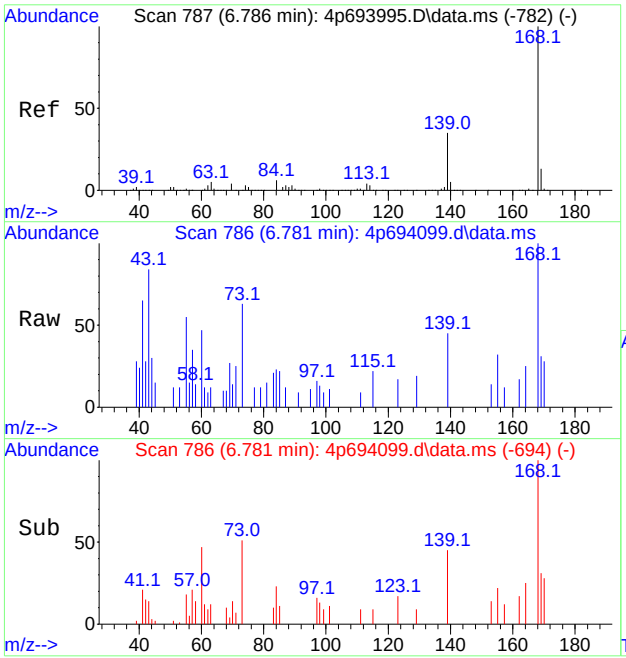


#59
Acenaphthene
Concen: 0.2909 ppm
RT: 6.642 min Scan# 760
Delta R.T. -0.005 min
Lab File: 4p694099.d
Acq: 4 Dec 2024 7:26 pm

Tgt Ion:153 Resp: 1725

Ion	Ratio	Lower	Upper
153	100		
152	44.9	15.6	75.6
154	65.4	50.8	110.8

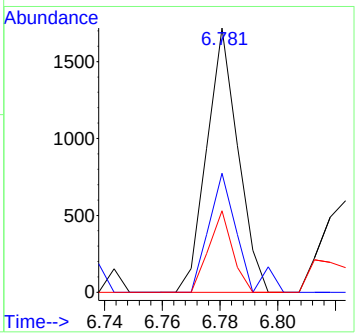


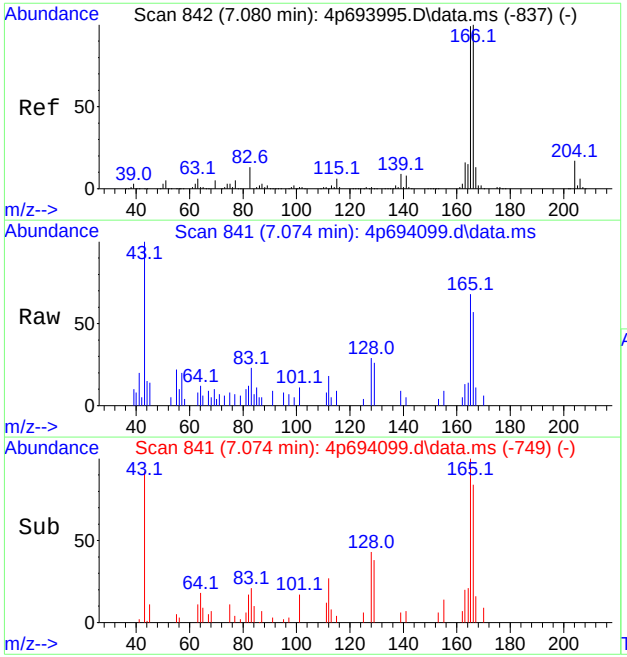


#62
Dibenzofuran
Concen: 0.1605 ppm
RT: 6.781 min Scan# 786
Delta R.T. -0.011 min
Lab File: 4p694099.d
Acq: 4 Dec 2024 7:26 pm

Tgt Ion:168 Resp: 1293

Ion	Ratio	Lower	Upper
168	100		
139	45.0	4.7	64.7
169	30.9	0.0	43.1

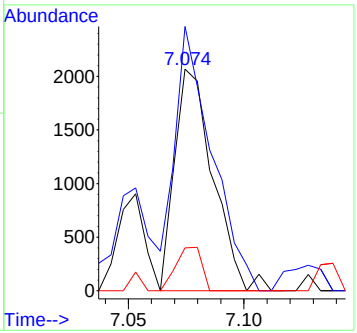


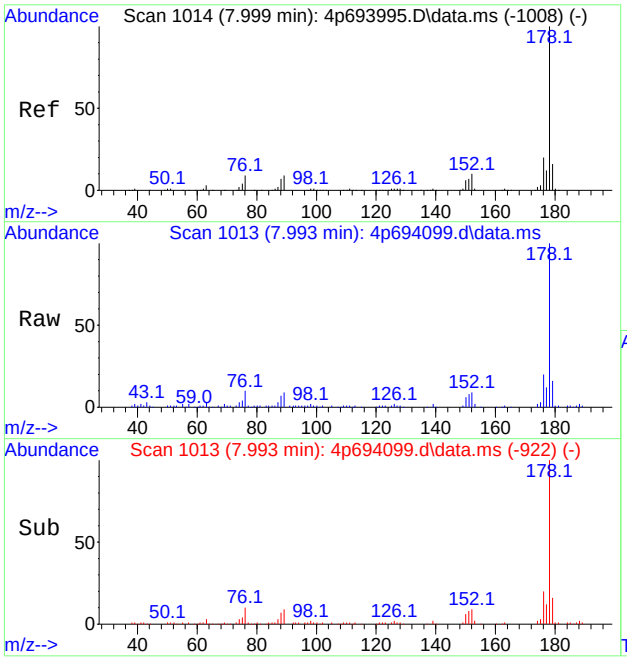


#66
Fluorene
Concen: 0.3731 ppm
RT: 7.074 min Scan# 841
Delta R.T. -0.011 min
Lab File: 4p694099.d
Acq: 4 Dec 2024 7:26 pm

Tgt Ion:166 Resp: 2397

Ion	Ratio	Lower	Upper
166	100		
165	106.0	69.1	129.1
167	19.3	0.0	43.7

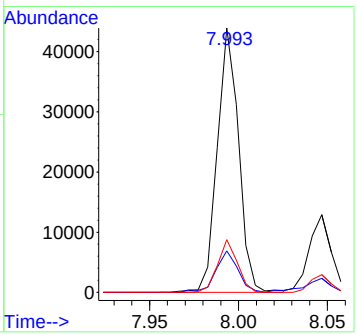


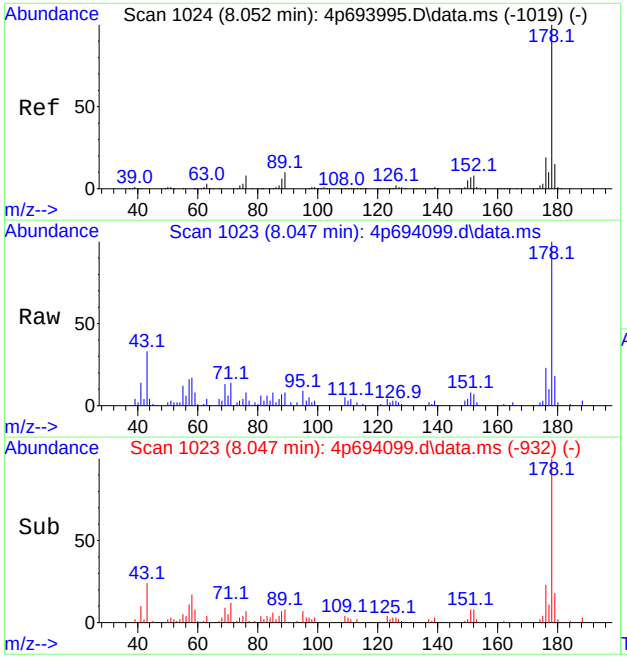


#78
Phenanthrene
Concen: 4.3291 ppm
RT: 7.993 min Scan# 1013
Delta R.T. -0.016 min
Lab File: 4p694099.d
Acq: 4 Dec 2024 7:26 pm

Tgt Ion:178 Resp: 36617

Ion	Ratio	Lower	Upper
178	100		
179	15.3	0.0	45.5
176	20.0	0.0	49.9

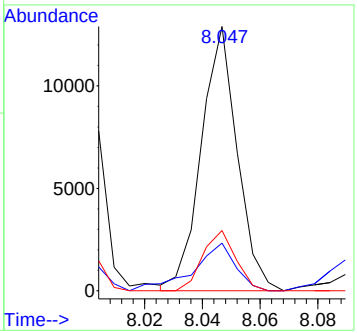


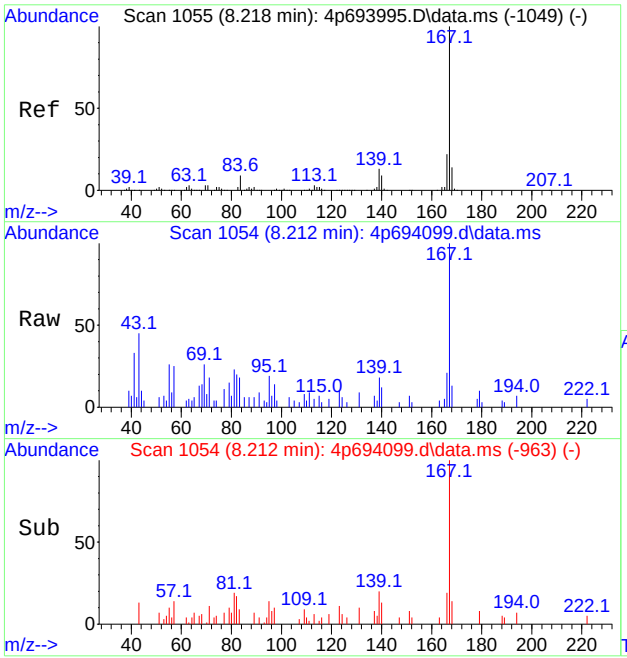


#79
Anthracene
Concen: 1.3444 ppm
RT: 8.047 min Scan# 1023
Delta R.T. -0.016 min
Lab File: 4p694099.d
Acq: 4 Dec 2024 7:26 pm

Tgt Ion:178 Resp: 11178

Ion	Ratio	Lower	Upper
178	100		
179	16.8	0.0	45.3
176	23.0	0.0	49.4

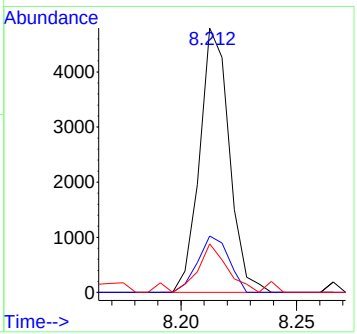


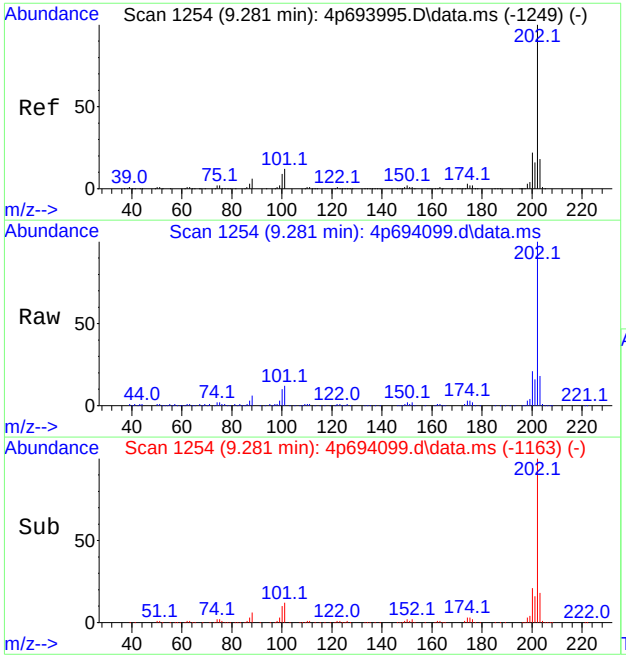


#80
Carbazole
Concen: 0.5598 ppm
RT: 8.212 min Scan# 1054
Delta R.T. -0.016 min
Lab File: 4p694099.d
Acq: 4 Dec 2024 7:26 pm

Tgt Ion:167 Resp: 4275

Ion	Ratio	Lower	Upper
167	100		
166	21.3	0.0	52.3
139	16.6	0.0	42.3

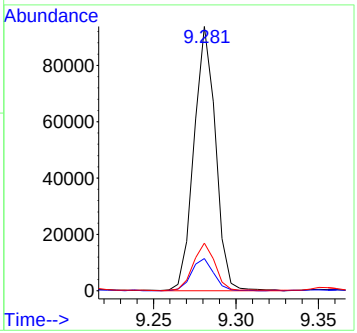


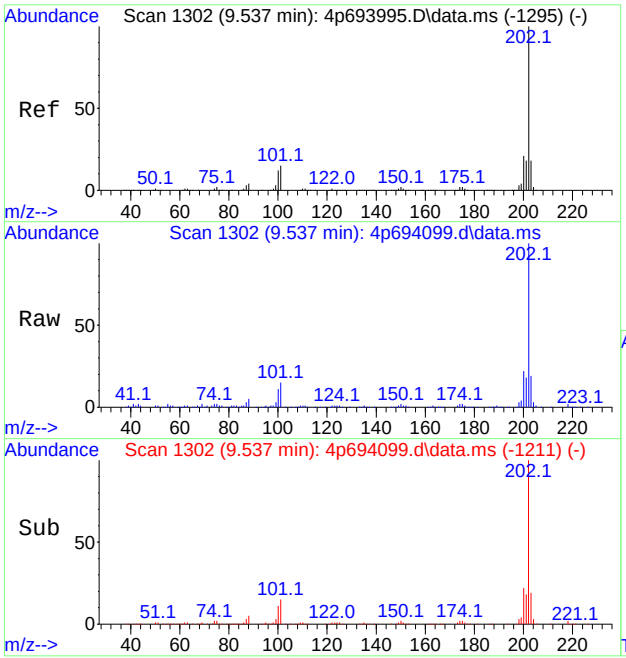


#82
Fluoranthene
Concen: 9.2867 ppm
RT: 9.281 min Scan# 1254
Delta R.T. -0.016 min
Lab File: 4p694099.d
Acq: 4 Dec 2024 7:26 pm

Tgt Ion:202 Resp: 85184

Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	41.6
203	17.9	0.0	47.6

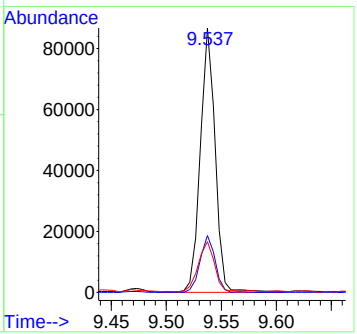


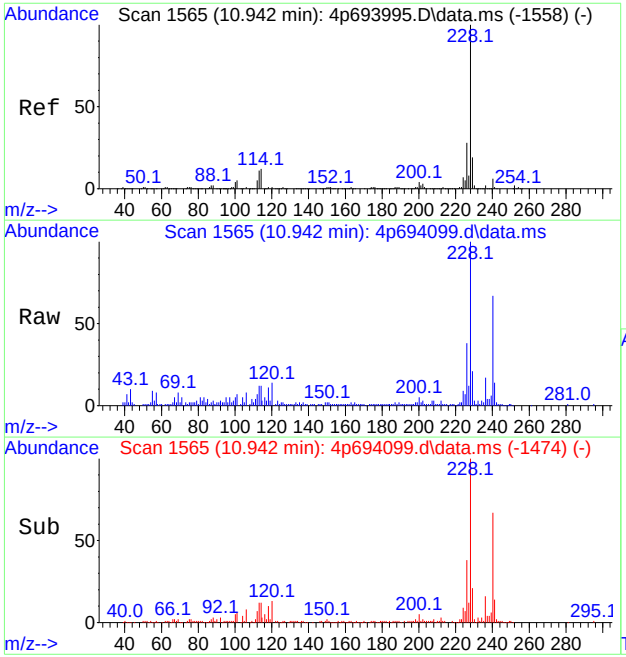


#86
Pyrene
Concen: 8.9002 ppm
RT: 9.537 min Scan# 1302
Delta R.T. -0.016 min
Lab File: 4p694099.d
Acq: 4 Dec 2024 7:26 pm

Tgt Ion:202 Resp: 81767

Ion	Ratio	Lower	Upper
202	100		
200	21.6	0.0	52.0
203	18.9	0.0	47.4

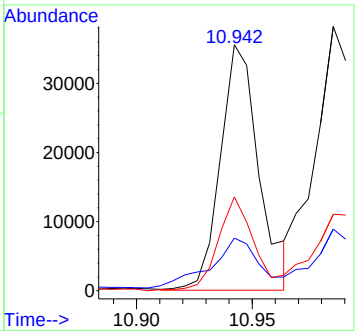


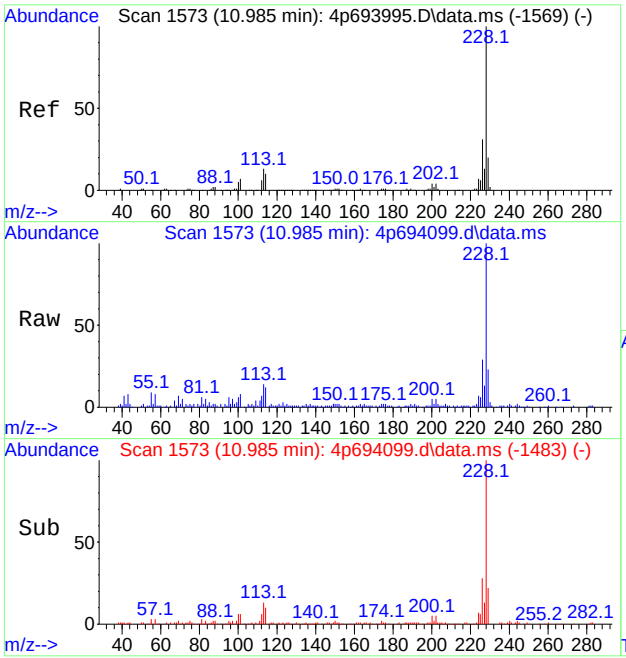


#89
Benzo[a]anthracene
Concen: 4.8469 ppm
RT: 10.942 min Scan# 1565
Delta R.T. -0.016 min
Lab File: 4p694099.d
Acq: 4 Dec 2024 7:26 pm

Tgt Ion:228 Resp: 41148

Ion	Ratio	Lower	Upper
228	100		
229	19.7	0.0	49.8
226	38.7	0.0	58.4

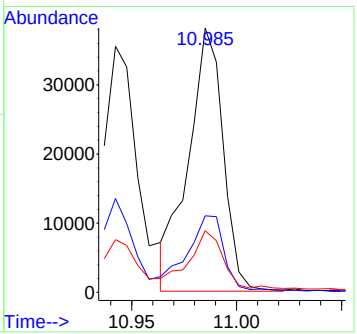


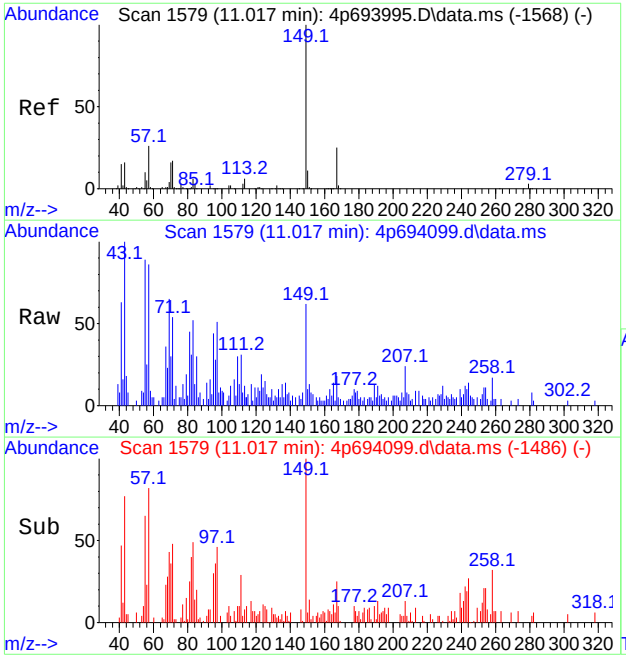


#91
Chrysene
Concen: 5.3764 ppm
RT: 10.985 min Scan# 1573
Delta R.T. -0.021 min
Lab File: 4p694099.d
Acq: 4 Dec 2024 7:26 pm

Tgt Ion:228 Resp: 44006

Ion	Ratio	Lower	Upper
228	100		
226	28.3	1.4	61.4
229	22.2	0.0	49.5

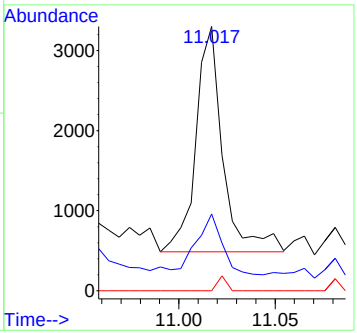


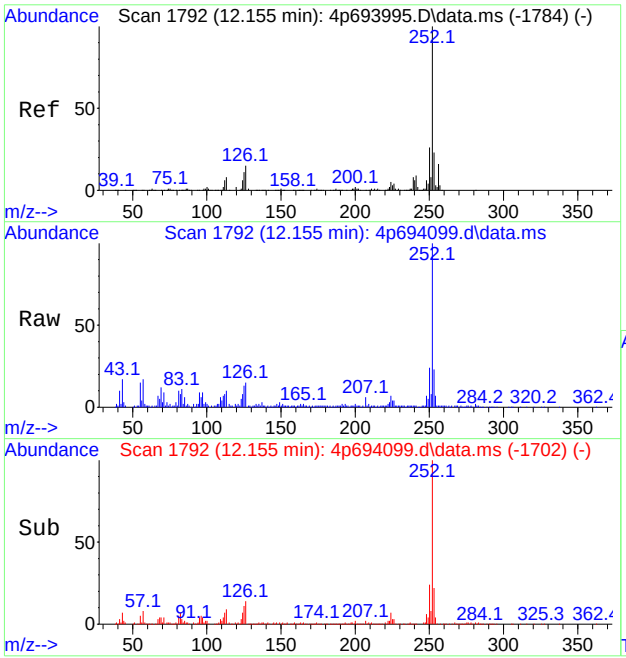


#92
bis(2-Ethylhexyl)phthalate
Concen: 0.5077 ppm
RT: 11.017 min Scan# 1579
Delta R.T. -0.005 min
Lab File: 4p694099.d
Acq: 4 Dec 2024 7:26 pm

Tgt Ion:149 Resp: 2745

Ion	Ratio	Lower	Upper
149	100		
167	24.9	0.0	55.8
279	0.0	0.0	33.0

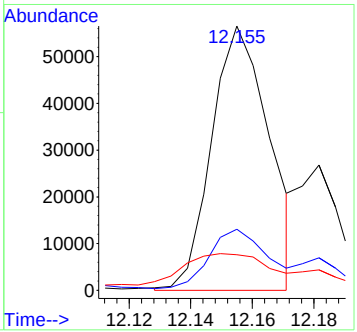


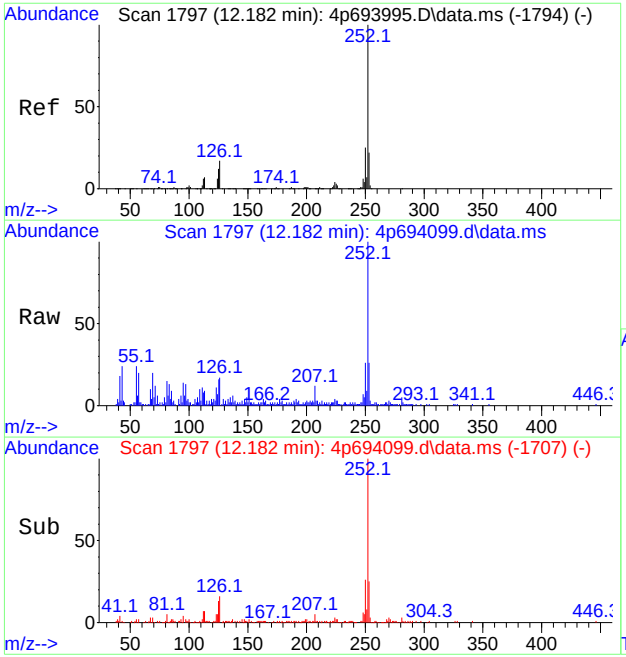


#95
Benzo[b]fluoranthene
Concen: 7.0753 ppm m
RT: 12.155 min Scan# 1792
Delta R.T. -0.021 min
Lab File: 4p694099.d
Acq: 4 Dec 2024 7:26 pm

Tgt Ion:252 Resp: 73553

Ion	Ratio	Lower	Upper
252	100		
253	23.1	0.0	52.1
125	13.4	0.0	42.4

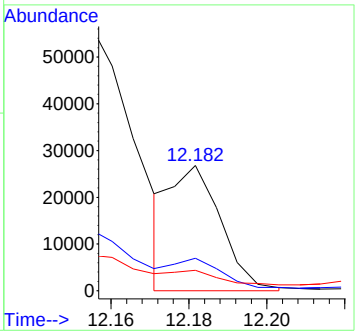


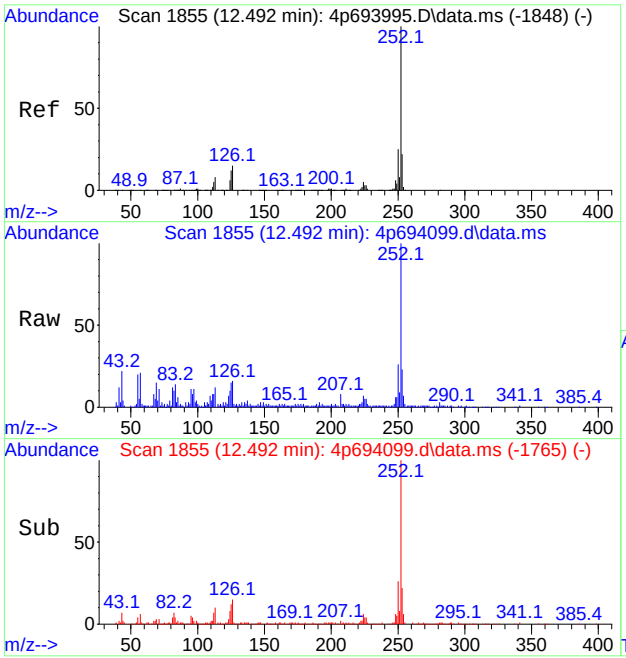


#96
Benzo[k]fluoranthene
Concen: 2.4401 ppm m
RT: 12.182 min Scan# 1797
Delta R.T. -0.021 min
Lab File: 4p694099.d
Acq: 4 Dec 2024 7:26 pm

Tgt Ion:252 Resp: 24052

Ion	Ratio	Lower	Upper
252	100		
253	26.1	0.0	51.8
125	16.3	0.0	42.6

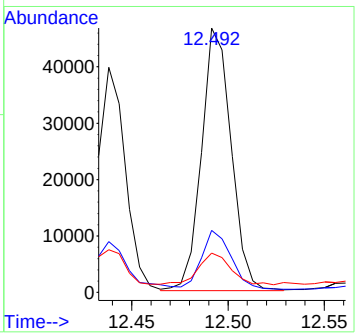


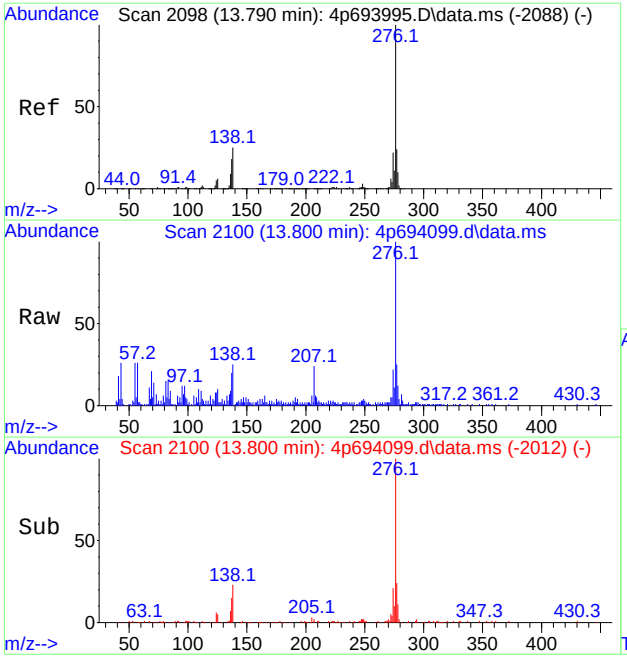


#97
Benzo[a]pyrene
Concen: 5.7058 ppm
RT: 12.492 min Scan# 1855
Delta R.T. -0.021 min
Lab File: 4p694099.d
Acq: 4 Dec 2024 7:26 pm

Tgt Ion:252 Resp: 50147

Ion	Ratio	Lower	Upper
252	100		
253	21.6	0.0	52.3
125	11.6	0.0	43.1

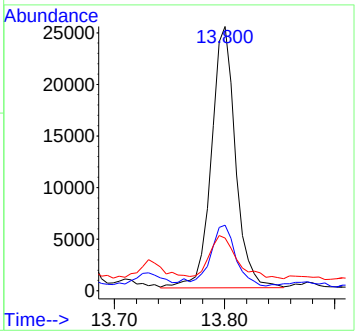


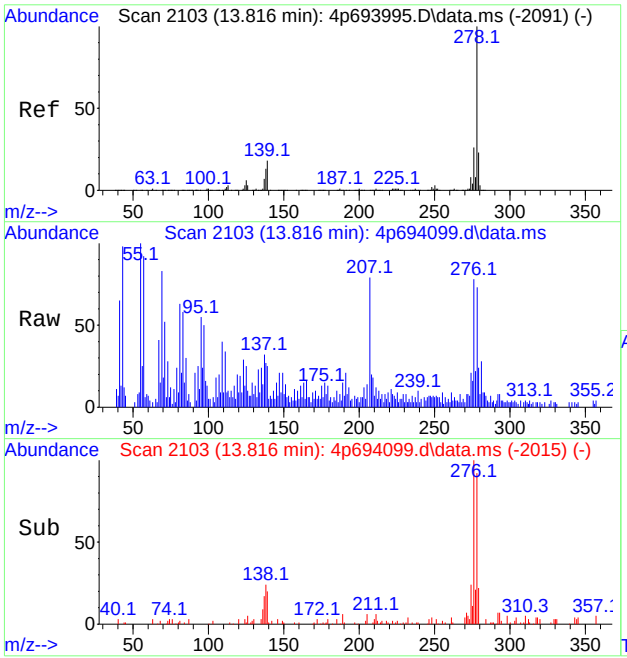


#98
Indeno[1,2,3-cd]pyrene
Concen: 3.3140 ppm
RT: 13.800 min Scan# 2100
Delta R.T. -0.032 min
Lab File: 4p694099.d
Acq: 4 Dec 2024 7:26 pm

Tgt Ion:276 Resp: 38783

Ion	Ratio	Lower	Upper
276	100		
138	21.4	0.0	55.6
137	13.4	0.0	47.8

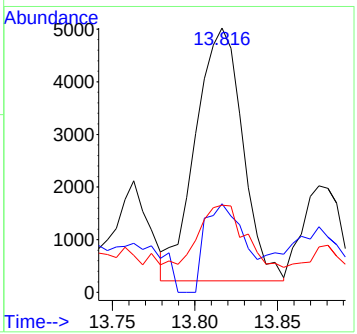


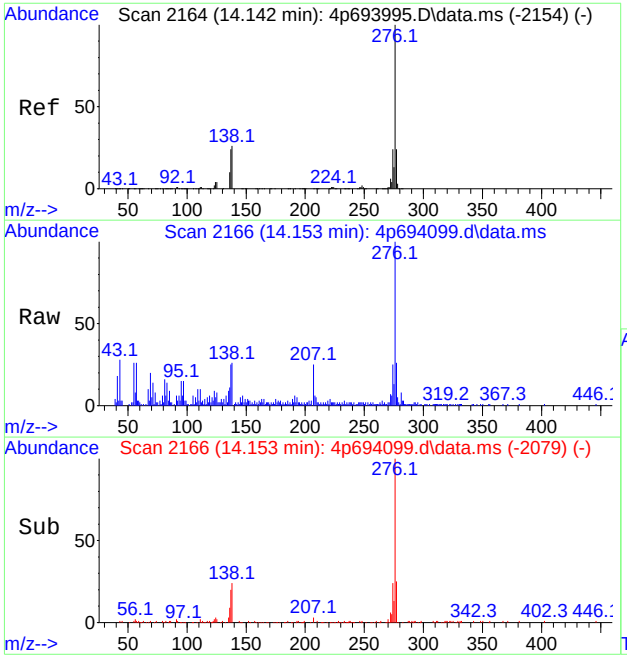


#100
Dibenz[a,h]anthracene
Concen: 1.0055 ppm
RT: 13.816 min Scan# 2103
Delta R.T. -0.032 min
Lab File: 4p694099.d
Acq: 4 Dec 2024 7:26 pm

Tgt Ion:278 Resp: 9543

Ion	Ratio	Lower	Upper
278	100		
139	22.2	0.0	49.6
279	25.7	0.0	53.2

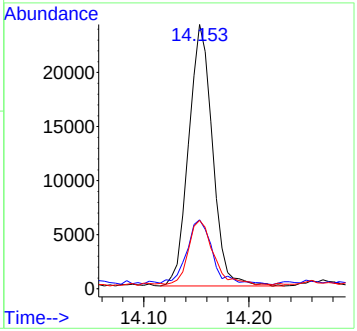


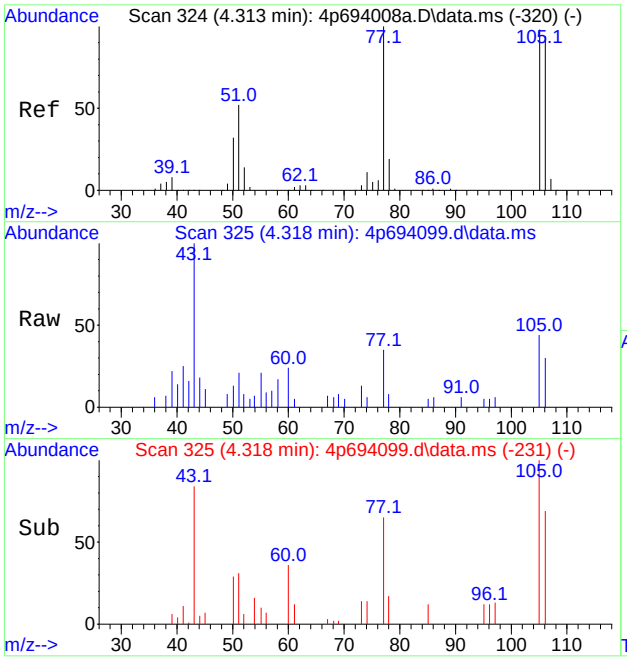


#102
Benzo[g,h,i]perylene
Concen: 4.3059 ppm
RT: 14.153 min Scan# 2166
Delta R.T. -0.038 min
Lab File: 4p694099.d
Acq: 4 Dec 2024 7:26 pm

Tgt Ion:276 Resp: 38152

Ion	Ratio	Lower	Upper
276	100		
138	23.9	0.0	55.1
277	24.3	0.0	53.9

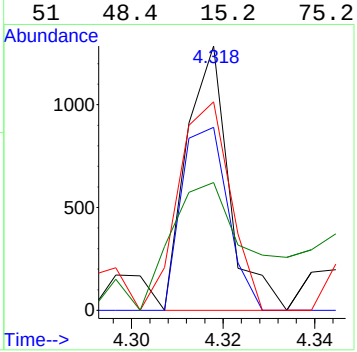




#104
Benzaldehyde
Concen: 0.2651 ppm m
RT: 4.318 min Scan# 325
Delta R.T. -0.000 min
Lab File: 4p694099.d
Acq: 4 Dec 2024 7:26 pm

Tgt Ion:105 Resp: 824

Ion	Ratio	Lower	Upper
105	100		
106	69.2	64.5	124.5
77	78.8	66.6	126.6
51	48.4	15.2	75.2



Manual Integrations APPROVED (compounds with "m" flag)
Ying Li
12/05/24 08:09

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\anthonyt\12-05-24\E4P3701\
Data File : 4p694100.d
Acq On : 4 Dec 2024 7:50 pm
Operator : anthonyo
Sample : je1300-20 Inst : GCMS4P
Misc : op59832,e4p3701,30.8,,,1,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 05 01:37:57 2024
Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Thu Dec 05 00:49:19 2024
Response via : Initial Calibration

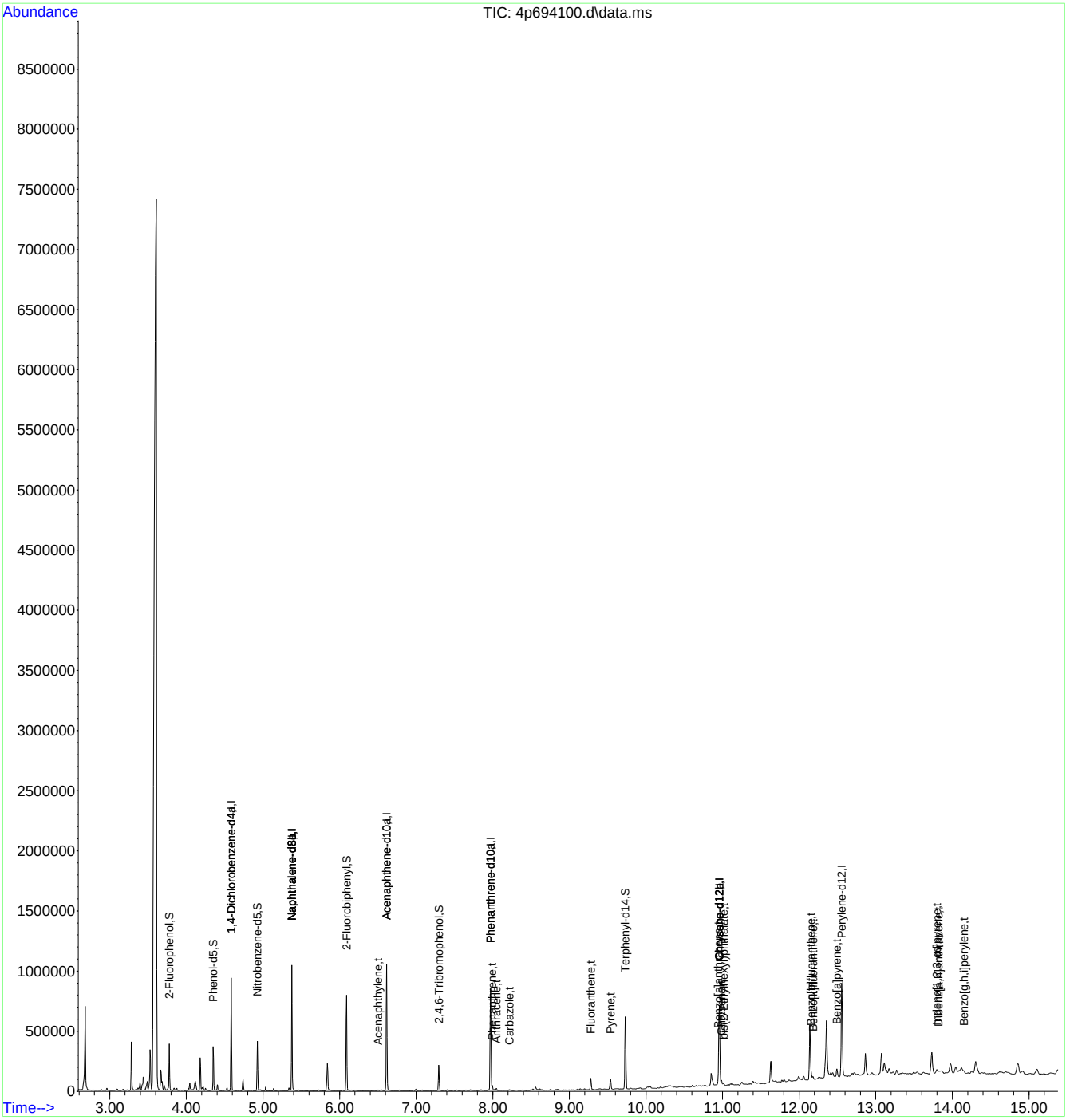
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.585	152	93834	40.00	ppm	0.00
24) Naphthalene-d8	5.376	136	336868	40.00	ppm	0.00
46) Acenaphthene-d10	6.615	164	181245	40.00	ppm	0.00
69) Phenanthrene-d10	7.972	188	290200	40.00	ppm	-0.01
84) Chrysene-d12	10.958	240	239587	40.00	ppm	-0.02
93) Perylene-d12	12.556	264	295430	40.00	ppm	-0.02
103) 1,4-Dichlorobenzene-d4a	4.585	152	93834	40.00	ppm	0.00
105) Acenaphthene-d10a	6.615	164	181245	40.00	ppm	0.00
107) Chrysene-d12a	10.958	240	239587	40.00	ppm	-0.02
109) Phenanthrene-d10a	7.972	188	290200	40.00	ppm	-0.01
111) Naphthalene-d8a	5.376	136	336868	40.00	ppm	0.00
113) Chrysene-d12b	10.958	240	239587	40.00	ppm	-0.02
115) Naphthalene-d8b	5.376	136	336868	40.00	ppm	0.00
118) Naphthalene-d8c	5.376	136	336868	40.00	ppm	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.778	112	72488	28.11	ppm	0.00
Spiked Amount 50.000			Recovery =	56.22%		
8) Phenol-d5	4.350	99	86665	25.54	ppm	0.00
Spiked Amount 50.000			Recovery =	51.08%		
25) Nitrobenzene-d5	4.927	82	86715	29.06	ppm	0.00
Spiked Amount 50.000			Recovery =	58.12%		
51) 2-Fluorobiphenyl	6.092	172	193544	31.36	ppm	0.00
Spiked Amount 50.000			Recovery =	62.72%		
74) 2,4,6-Tribromophenol	7.299	330	20156	27.57	ppm	0.00
Spiked Amount 50.000			Recovery =	55.14%		
87) Terphenyl-d14	9.730	244	196713	33.00	ppm	-0.01
Spiked Amount 50.000			Recovery =	66.00%		
108) 1-chlorooctadecane	0.000	57	0d	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
110) o-terphenyl	0.000	230	0	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
56) Acenaphthylene	6.503	152	2810	0.3803	ppm	95
78) Phenanthrene	7.993	178	14801	1.8222	ppm	97
79) Anthracene	8.047	178	3852	0.4824	ppm	97
80) Carbazole	8.218	167	1789	0.2440	ppm	91
82) Fluoranthene	9.281	202	38144	4.3303	ppm	98
86) Pyrene	9.537	202	34201	4.0571	ppm	98
89) Benzo[a]anthracene	10.942	228	17099	2.1950	ppm	90
91) Chrysene	10.985	228	17762	2.3650	ppm	98
92) bis(2-Ethylhexyl)phtha...	11.017	149	1611m	0.3247	ppm	
95) Benzo[b]fluoranthene	12.155	252	27827	3.0429	ppm	96
96) Benzo[k]fluoranthene	12.182	252	9086	1.0479	ppm	95
97) Benzo[a]pyrene	12.492	252	18773	2.4282	ppm	99
98) Indeno[1,2,3-cd]pyrene	13.795	276	16554	1.6081	ppm	88
100) Dibenz[a,h]anthracene	13.817	278	3746m	0.4487	ppm	
102) Benzo[g,h,i]perylene	14.153	276	17122	2.1968	ppm	95

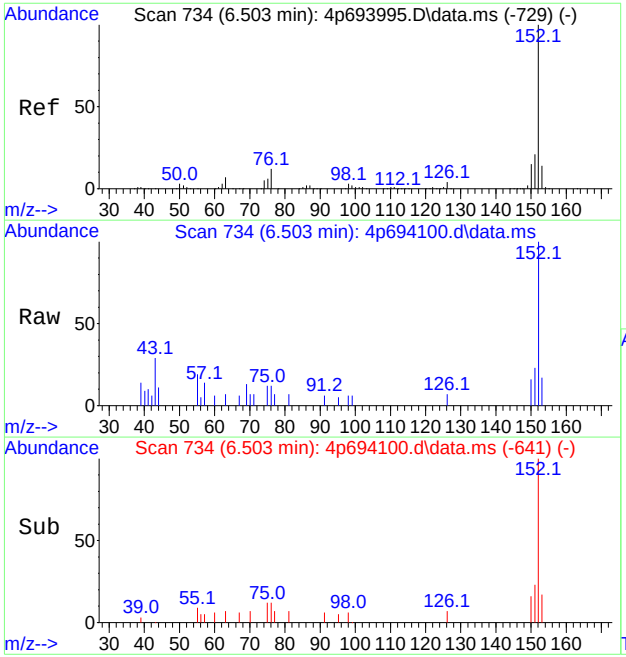
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\anthonyt\12-05-24\E4P3701\
Data File : 4p694100.d
Acq On : 4 Dec 2024 7:50 pm
Operator : anthonyo
Sample : je1300-20 Inst : GCMS4P
Misc : op59832,e4p3701,30.8,,,1,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 05 01:37:57 2024
Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Thu Dec 05 00:49:19 2024
Response via : Initial Calibration

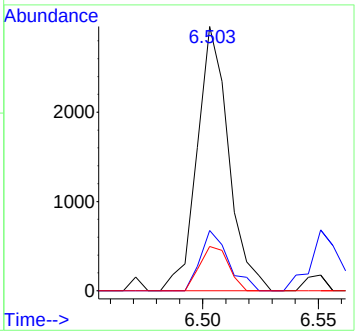


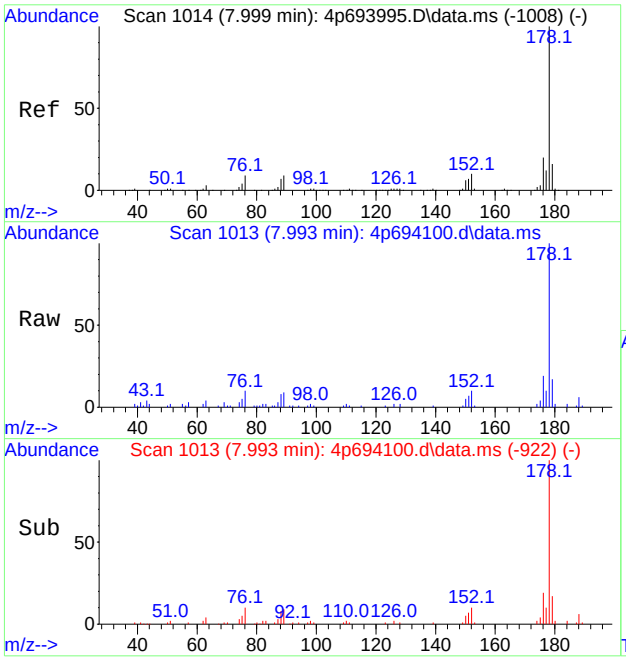


#56
Acenaphthylene
Concen: 0.3803 ppm
RT: 6.503 min Scan# 734
Delta R.T. -0.005 min
Lab File: 4p694100.d
Acq: 4 Dec 2024 7:50 pm

Tgt Ion:152 Resp: 2810

Ion	Ratio	Lower	Upper
152	100		
151	22.8	0.0	51.0
153	16.7	0.0	44.0

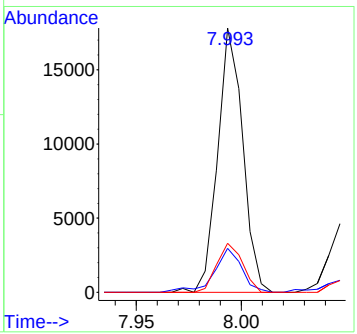


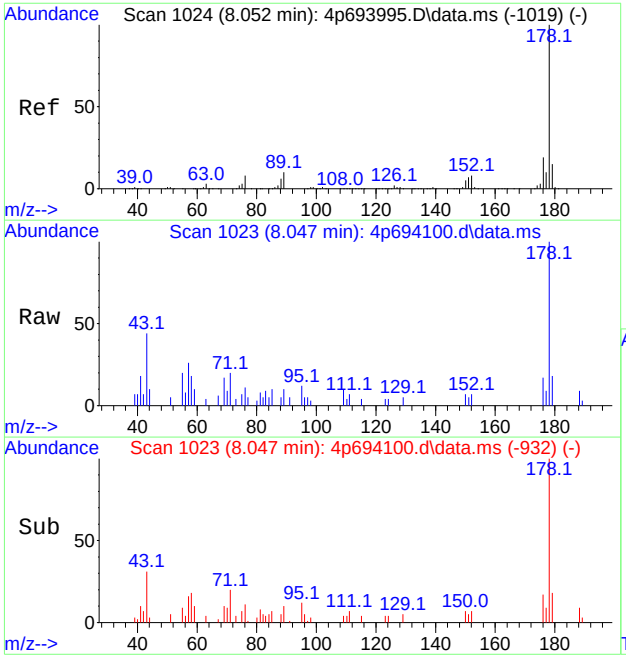


#78
Phenanthrene
Concen: 1.8222 ppm
RT: 7.993 min Scan# 1013
Delta R.T. -0.016 min
Lab File: 4p694100.d
Acq: 4 Dec 2024 7:50 pm

Tgt Ion:178 Resp: 14801

Ion	Ratio	Lower	Upper
178	100		
179	16.7	0.0	45.5
176	18.6	0.0	49.9

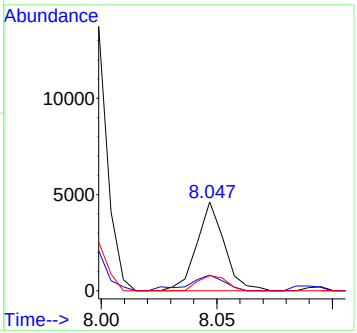


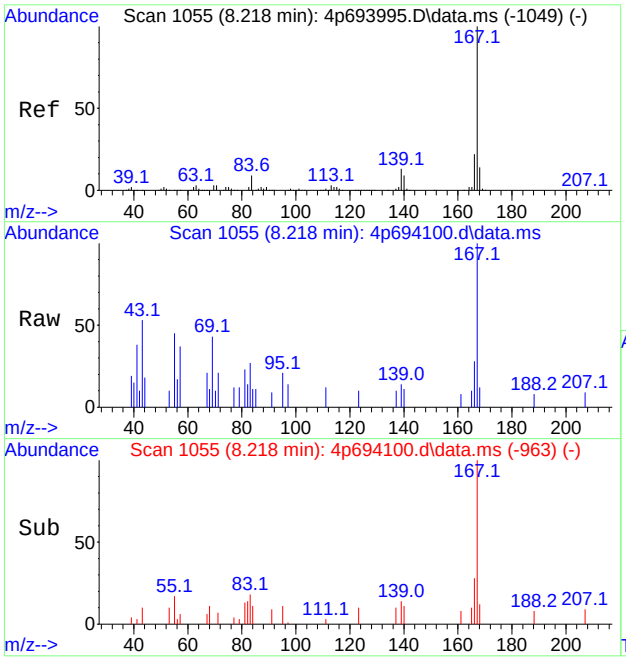


#79
Anthracene
Concen: 0.4824 ppm
RT: 8.047 min Scan# 1023
Delta R.T. -0.016 min
Lab File: 4p694100.d
Acq: 4 Dec 2024 7:50 pm

Tgt Ion:178 Resp: 3852

Ion	Ratio	Lower	Upper
178	100		
179	15.5	0.0	45.3
176	17.1	0.0	49.4

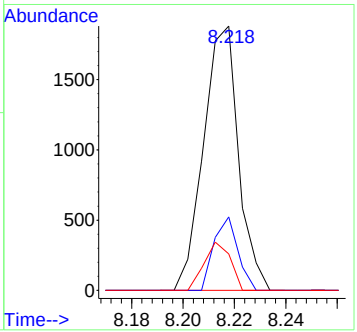


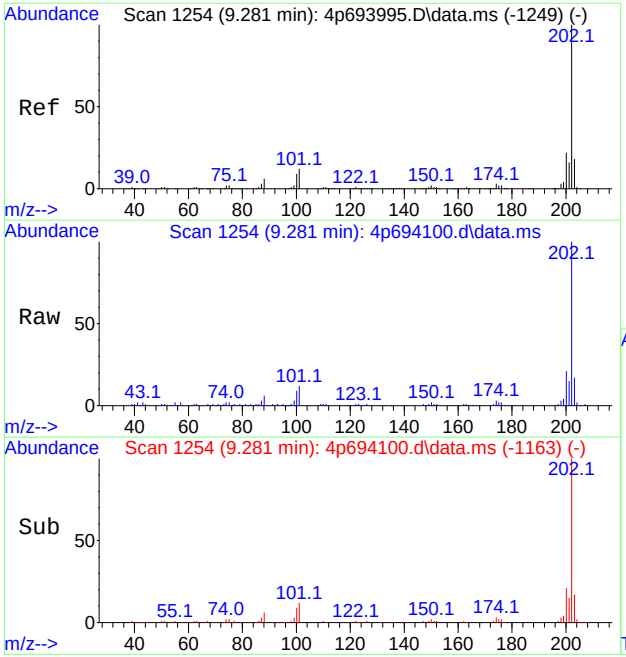


#80
Carbazole
Concen: 0.2440 ppm
RT: 8.218 min Scan# 1055
Delta R.T. -0.011 min
Lab File: 4p694100.d
Acq: 4 Dec 2024 7:50 pm

Tgt Ion:167 Resp: 1789

Ion	Ratio	Lower	Upper
167	100		
166	27.8	0.0	52.3
139	13.8	0.0	42.3

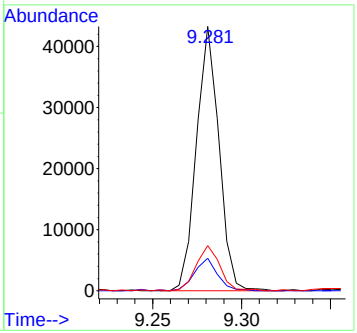


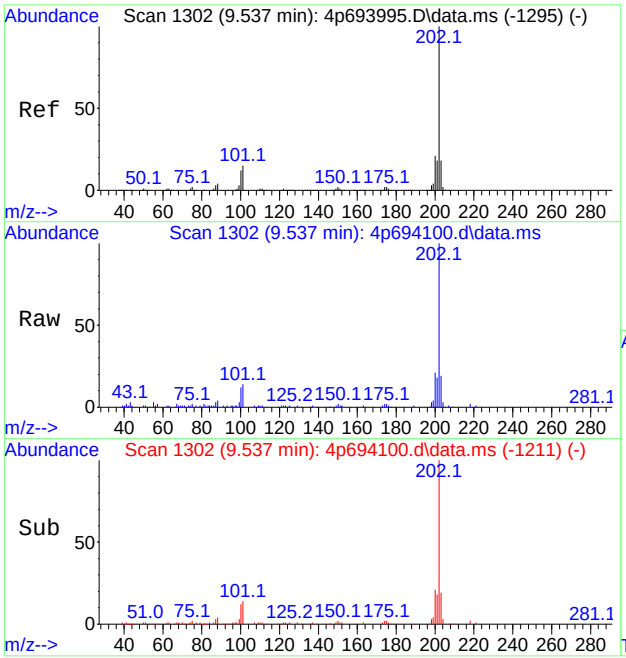


#82
Fluoranthene
Concen: 4.3303 ppm
RT: 9.281 min Scan# 1254
Delta R.T. -0.016 min
Lab File: 4p694100.d
Acq: 4 Dec 2024 7:50 pm

Tgt Ion:202 Resp: 38144

Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	41.6
203	16.6	0.0	47.6

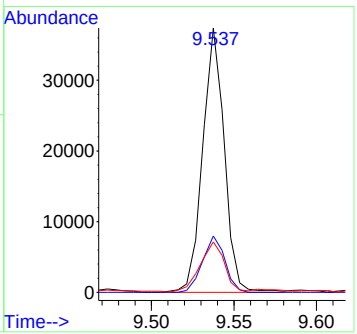


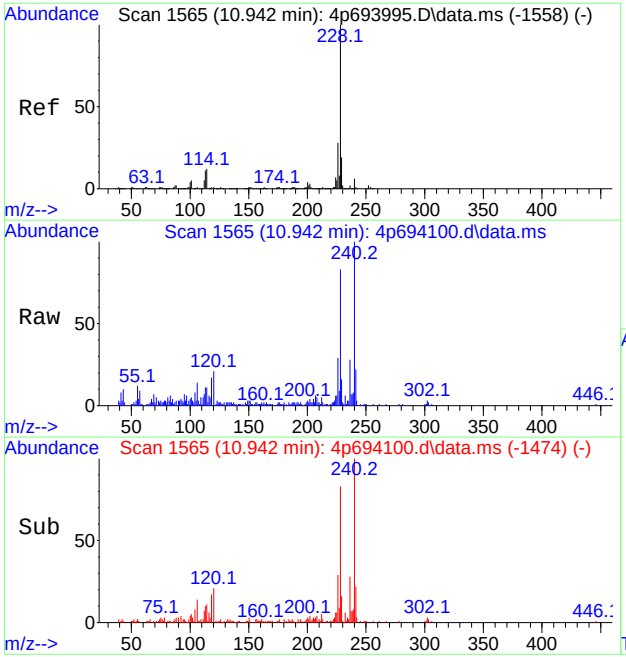


#86
Pyrene
Concen: 4.0571 ppm
RT: 9.537 min Scan# 1302
Delta R.T. -0.016 min
Lab File: 4p694100.d
Acq: 4 Dec 2024 7:50 pm

Tgt Ion:202 Resp: 34201

Ion	Ratio	Lower	Upper
202	100		
200	21.3	0.0	52.0
203	18.5	0.0	47.4

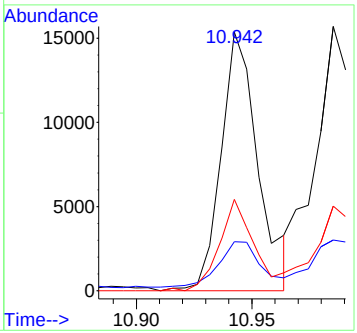


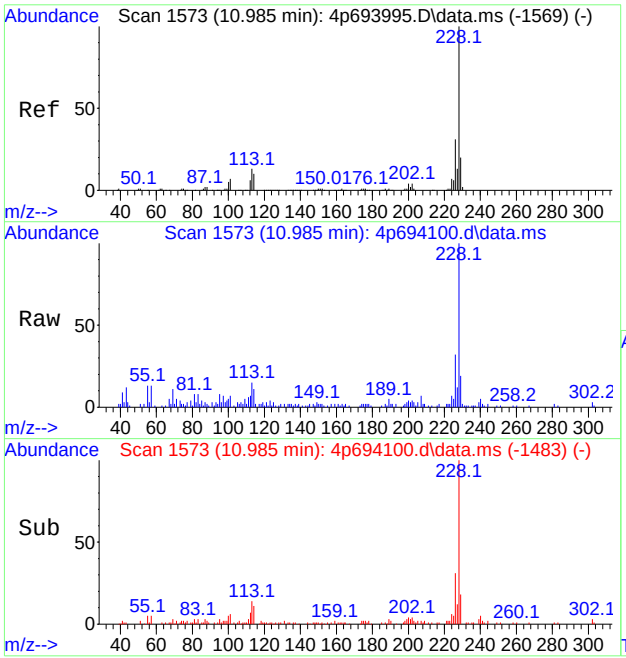


#89
Benzo[a]anthracene
Concen: 2.1950 ppm
RT: 10.942 min Scan# 1565
Delta R.T. -0.016 min
Lab File: 4p694100.d
Acq: 4 Dec 2024 7:50 pm

Tgt Ion:228 Resp: 17099

Ion	Ratio	Lower	Upper
228	100		
229	17.7	0.0	49.8
226	35.7	0.0	58.4

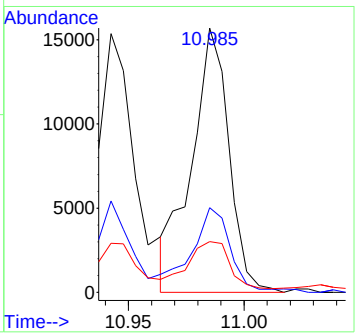


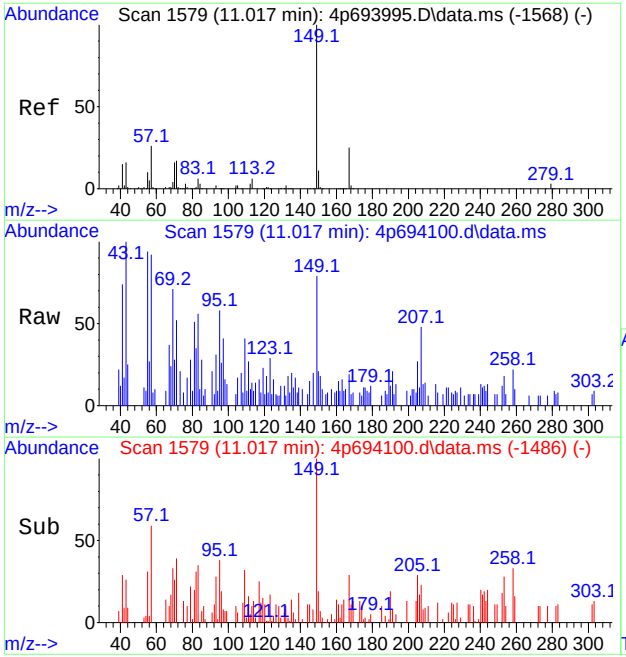


#91
Chrysene
Concen: 2.3650 ppm
RT: 10.985 min Scan# 1573
Delta R.T. -0.021 min
Lab File: 4p694100.d
Acq: 4 Dec 2024 7:50 pm

Tgt Ion:228 Resp: 17762

Ion	Ratio	Lower	Upper
228	100		
226	31.3	1.4	61.4
229	17.8	0.0	49.5

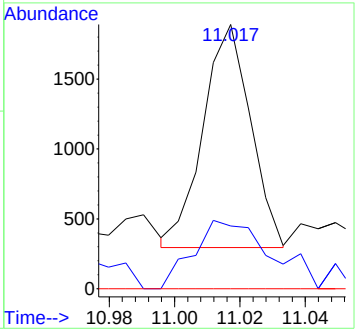


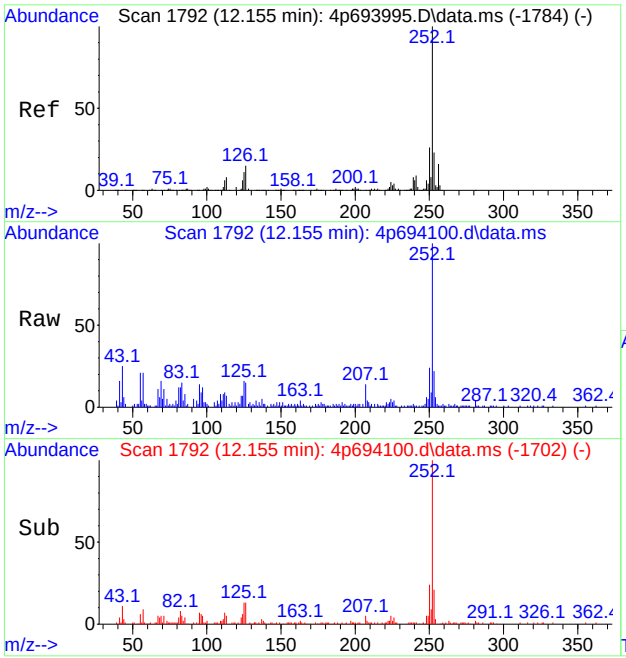


#92
bis(2-Ethylhexyl)phthalate
Concen: 0.3247 ppm m
RT: 11.017 min Scan# 1579
Delta R.T. -0.005 min
Lab File: 4p694100.d
Acq: 4 Dec 2024 7:50 pm

Tgt Ion:149 Resp: 1611

Ion	Ratio	Lower	Upper
149	100		
167	23.7	0.0	55.8
279	0.0	0.0	33.0

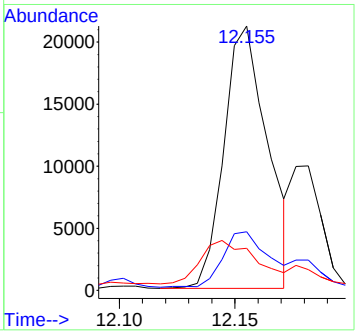


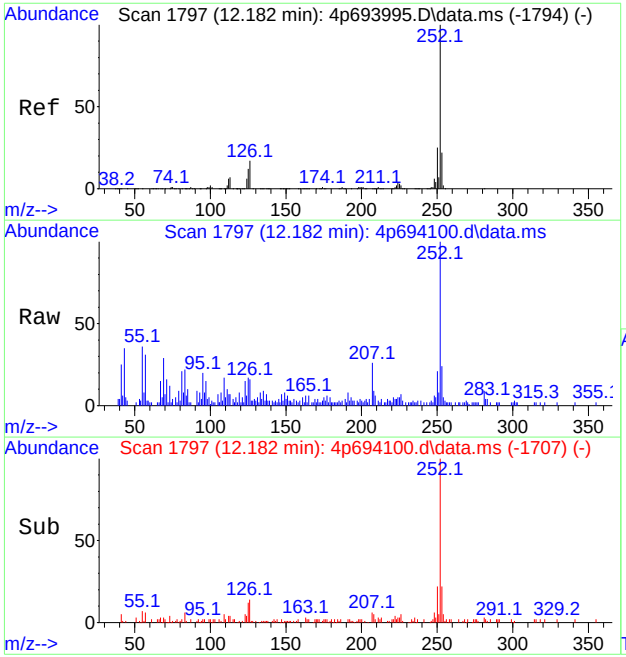


#95
Benzo[b]fluoranthene
Concen: 3.0429 ppm
RT: 12.155 min Scan# 1792
Delta R.T. -0.021 min
Lab File: 4p694100.d
Acq: 4 Dec 2024 7:50 pm

Tgt Ion:252 Resp: 27827

Ion	Ratio	Lower	Upper
252	100		
253	20.4	0.0	52.1
125	13.7	0.0	42.4

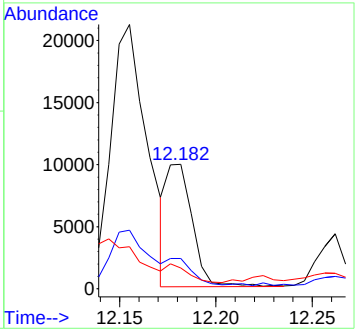


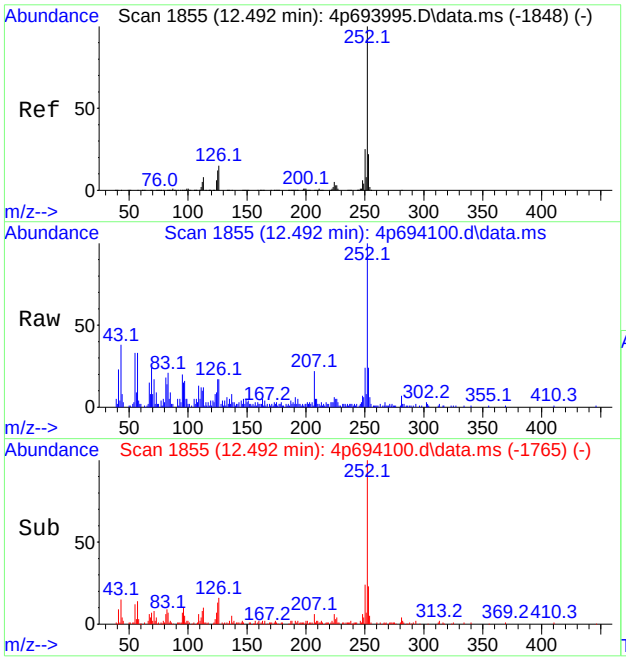


#96
Benzo[k]fluoranthene
Concen: 1.0479 ppm
RT: 12.182 min Scan# 1797
Delta R.T. -0.021 min
Lab File: 4p694100.d
Acq: 4 Dec 2024 7:50 pm

Tgt Ion:252 Resp: 9086

Ion	Ratio	Lower	Upper
252	100		
253	19.9	0.0	51.8
125	10.0	0.0	42.6

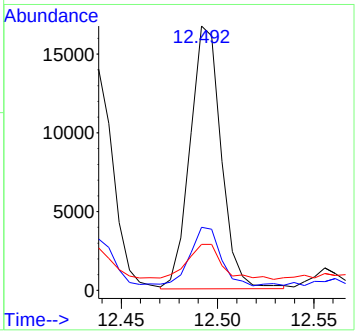


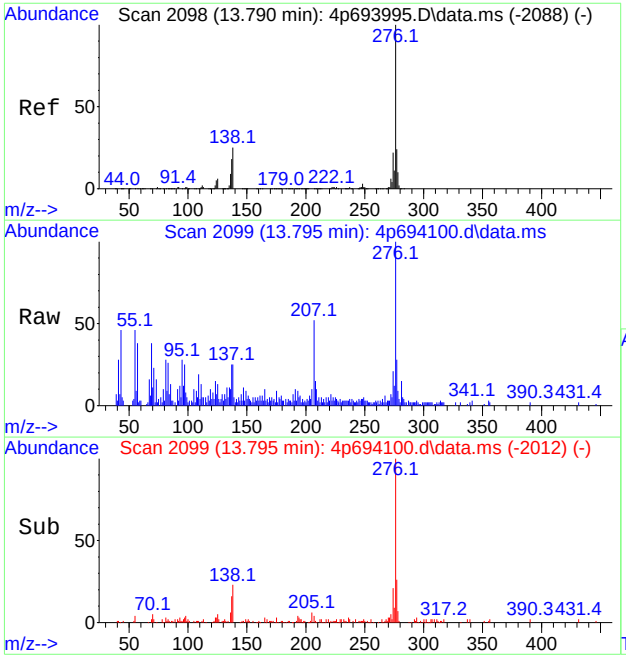


#97
Benzo[a]pyrene
Concen: 2.4282 ppm
RT: 12.492 min Scan# 1855
Delta R.T. -0.021 min
Lab File: 4p694100.d
Acq: 4 Dec 2024 7:50 pm

Tgt Ion:252 Resp: 18773

Ion	Ratio	Lower	Upper
252	100		
253	22.0	0.0	52.3
125	12.8	0.0	43.1

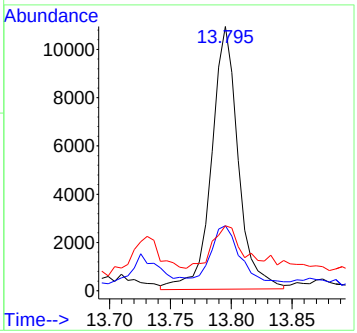


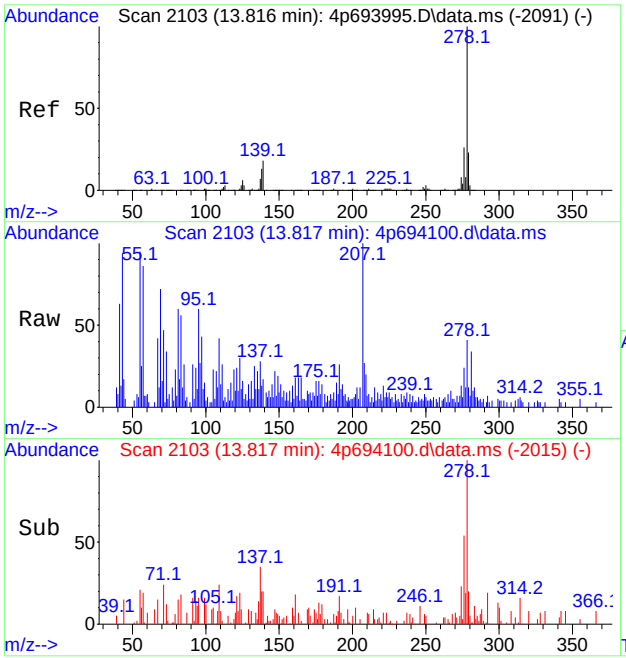


#98
Indeno[1,2,3-cd]pyrene
Concen: 1.6081 ppm
RT: 13.795 min Scan# 2099
Delta R.T. -0.037 min
Lab File: 4p694100.d
Acq: 4 Dec 2024 7:50 pm

Tgt Ion:276 Resp: 16554

Ion	Ratio	Lower	Upper
276	100		
138	19.0	0.0	55.6
137	13.5	0.0	47.8

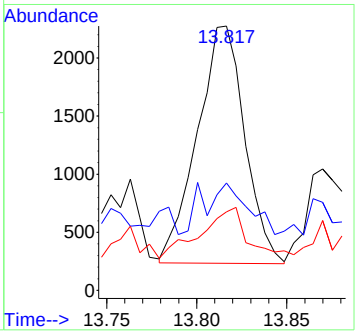


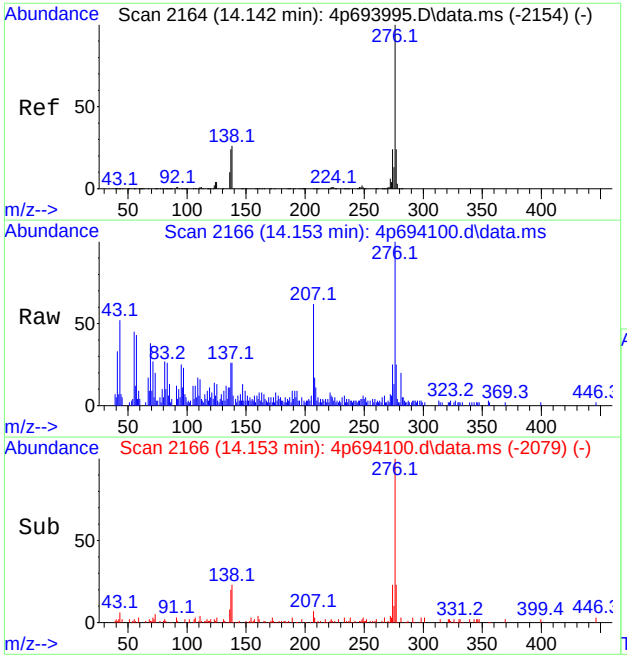


#100
Dibenz[a,h]anthracene
Concen: 0.4487 ppm m
RT: 13.817 min Scan# 2103
Delta R.T. -0.032 min
Lab File: 4p694100.d
Acq: 4 Dec 2024 7:50 pm

Tgt Ion:278 Resp: 3746

Ion	Ratio	Lower	Upper
278	100		
139	40.6	0.0	49.6
279	29.7	0.0	53.2

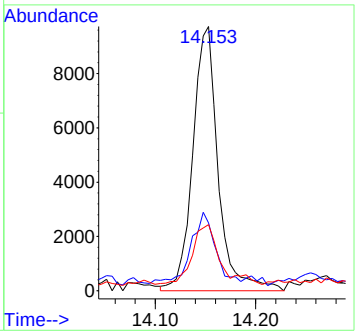




#102
Benzo[g,h,i]perylene
Concen: 2.1968 ppm
RT: 14.153 min Scan# 2166
Delta R.T. -0.037 min
Lab File: 4p694100.d
Acq: 4 Dec 2024 7:50 pm

Tgt Ion:276 Resp: 17122

Ion	Ratio	Lower	Upper
276	100		
138	22.0	0.0	55.1
277	22.2	0.0	53.9



Manual Integrations APPROVED (compounds with "m" flag)
Ying Li
12/05/24 08:09

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\anthonyt\12-05-24\E4P3701\
Data File : 4p694101.d
Acq On : 4 Dec 2024 8:15 pm
Operator : anthonyo
Sample : je1300-22 Inst : GCMS4P
Misc : op59832,e4p3701,30.4,,,1,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 05 01:41:17 2024
Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Thu Dec 05 00:49:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.585	152	92192	40.00	ppm	0.00
24) Naphthalene-d8	5.376	136	323986	40.00	ppm	0.00
46) Acenaphthene-d10	6.615	164	174519	40.00	ppm	0.00
69) Phenanthrene-d10	7.972	188	274086	40.00	ppm	-0.01
84) Chrysene-d12	10.958	240	265412	40.00	ppm	-0.02
93) Perylene-d12	12.561	264	330314	40.00	ppm	-0.01
103) 1,4-Dichlorobenzene-d4a	4.585	152	92192	40.00	ppm	0.00
105) Acenaphthene-d10a	6.615	164	174519	40.00	ppm	0.00
107) Chrysene-d12a	10.958	240	265412	40.00	ppm	-0.02
109) Phenanthrene-d10a	7.972	188	274086	40.00	ppm	-0.01
111) Naphthalene-d8a	5.376	136	323986	40.00	ppm	0.00
113) Chrysene-d12b	10.958	240	265412	40.00	ppm	-0.02
115) Naphthalene-d8b	5.376	136	323986	40.00	ppm	0.00
118) Naphthalene-d8c	5.376	136	323986	40.00	ppm	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.779	112	66246	26.14	ppm	0.00
Spiked Amount 50.000			Recovery =	52.28%		
8) Phenol-d5	4.355	99	83294	24.98	ppm	0.00
Spiked Amount 50.000			Recovery =	49.96%		
25) Nitrobenzene-d5	4.927	82	87912	30.64	ppm	0.00
Spiked Amount 50.000			Recovery =	61.28%		
51) 2-Fluorobiphenyl	6.092	172	205112	34.52	ppm	0.00
Spiked Amount 50.000			Recovery =	69.04%		
74) 2,4,6-Tribromophenol	7.299	330	17882	25.89	ppm	0.00
Spiked Amount 50.000			Recovery =	51.78%		
87) Terphenyl-d14	9.735	244	205672	31.15	ppm	0.00
Spiked Amount 50.000			Recovery =	62.30%		
108) 1-chlorooctadecane	0.000	57	0d	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
110) o-terphenyl	0.000	230	0d	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
38) Naphthalene	5.392	128	6118	0.7222	ppm	97
44) 2-Methylnaphthalene	5.841	141	3717	0.7245	ppm	98
45) 1-Methylnaphthalene	5.905	142	3718	0.6832	ppm	93
53) Biphenyl	6.167	154	1213	0.1831	ppm	95
56) Acenaphthylene	6.503	152	68587	9.6406	ppm	100
59) Acenaphthene	6.642	153	10949	2.0140	ppm	99
62) Dibenzofuran	6.781	168	6677	0.9040	ppm	97
66) Fluorene	7.075	166	19202	3.2610	ppm	98
78) Phenanthrene	7.994	178	147922	19.2817	ppm	99
79) Anthracene	8.047	178	74377	9.8624	ppm	100
80) Carbazole	8.218	167	15852	2.2887	ppm	98
82) Fluoranthene	9.286	202	305527	36.7238	ppm	99
86) Pyrene	9.543	202	324313	34.7285	ppm	99
89) Benzo[a]anthracene	10.948	228	183446	21.2581	ppm	91
91) Chrysene	10.991	228	184613	22.1894	ppm	99
95) Benzo[b]fluoranthene	12.161	252	240397m	23.5118	ppm	
96) Benzo[k]fluoranthene	12.187	252	85693m	8.8391	ppm	
97) Benzo[a]pyrene	12.502	252	200396	23.1830	ppm	98
98) Indeno[1,2,3-cd]pyrene	13.811	276	141420	12.2867	ppm	94
100) Dibenz[a,h]anthracene	13.822	278	37169	3.9819	ppm	96
102) Benzo[g,h,i]perylene	14.169	276	148552	17.0465	ppm	98

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\anthonyt\12-05-24\E4P3701\
Data File : 4p694101.d
Acq On : 4 Dec 2024 8:15 pm
Operator : anthonyo
Sample : je1300-22 Inst : GCMS4P
Misc : op59832,e4p3701,30.4,,,1,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 05 01:41:17 2024
Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Thu Dec 05 00:49:19 2024
Response via : Initial Calibration

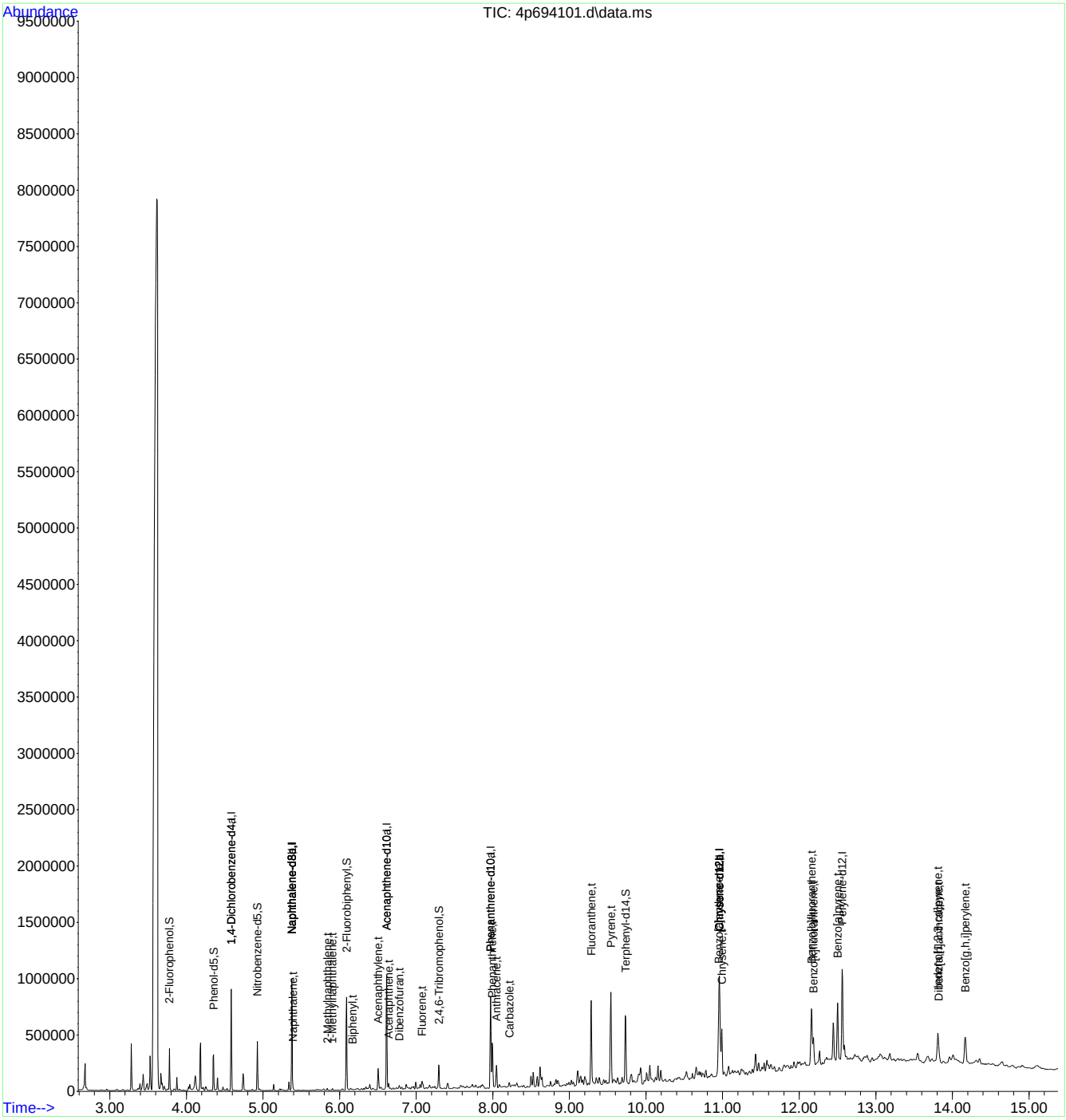
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

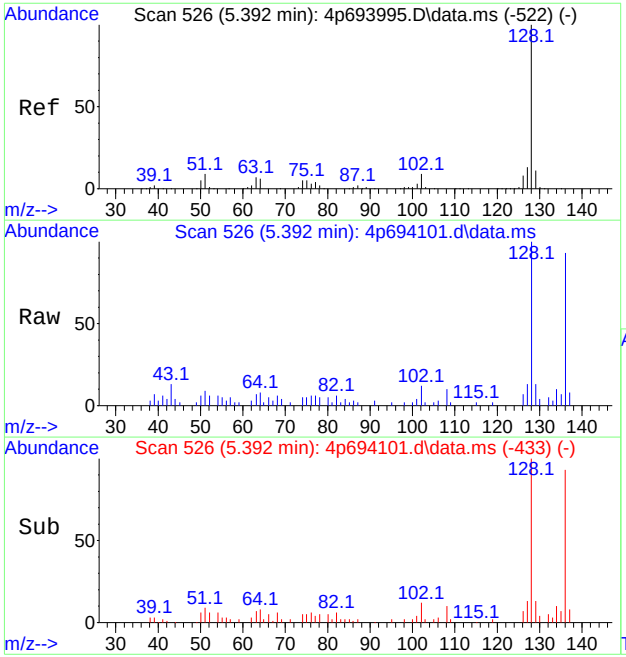
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\anthonyt\12-05-24\E4P3701\
Data File : 4p694101.d
Acq On : 4 Dec 2024 8:15 pm
Operator : anthonyo
Sample : je1300-22 Inst : GCMS4P
Misc : op59832,e4p3701,30.4,,,1,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 05 01:41:17 2024
Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Thu Dec 05 00:49:19 2024
Response via : Initial Calibration



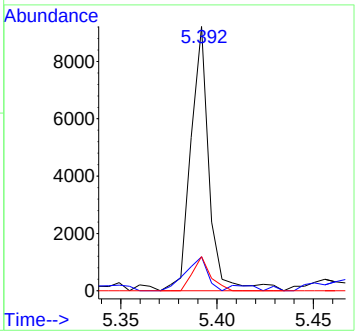
M4P3698.M Thu Dec 05 02:10:13 2024 Page: 3

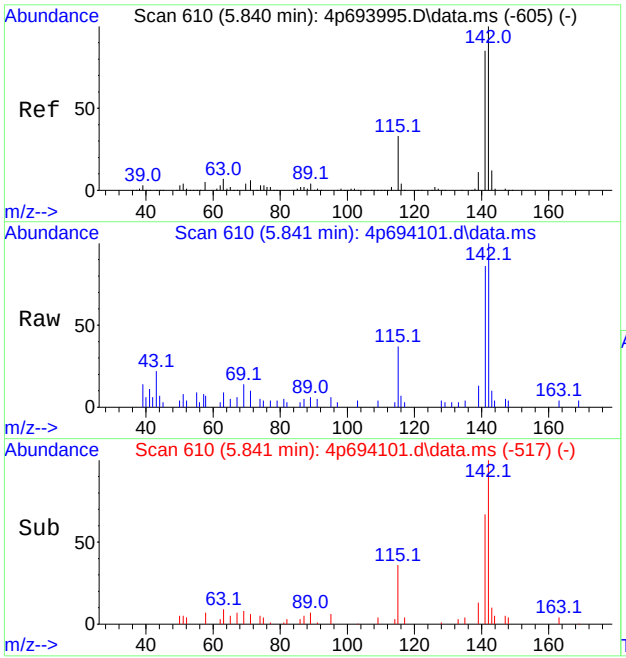


#38
Naphthalene
Concen: 0.7222 ppm
RT: 5.392 min Scan# 526
Delta R.T. -0.005 min
Lab File: 4p694101.d
Acq: 4 Dec 2024 8:15 pm

Tgt Ion:128 Resp: 6118

Ion	Ratio	Lower	Upper
128	100		
129	12.8	0.0	40.7
127	13.0	0.0	43.1

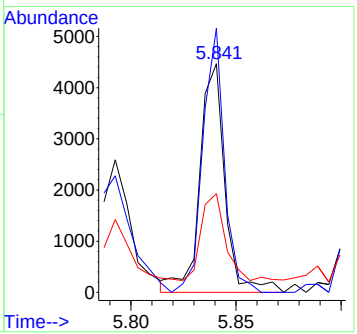


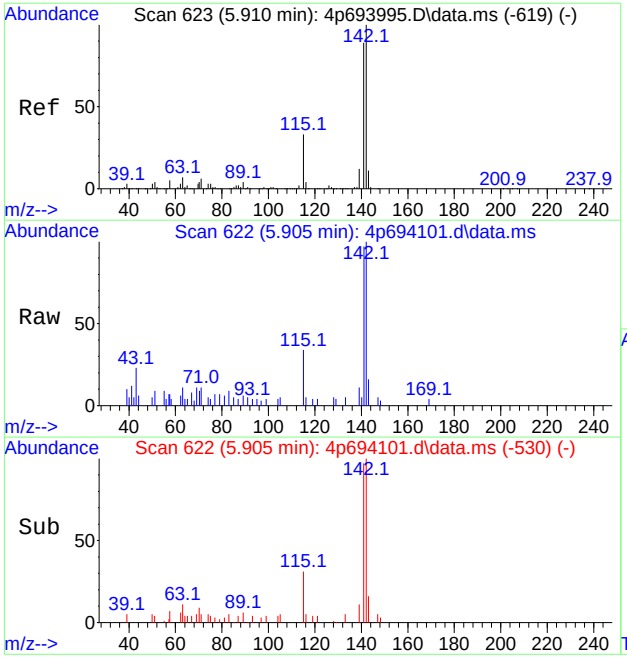


#44
2-Methylnaphthalene
Concen: 0.7245 ppm
RT: 5.841 min Scan# 610
Delta R.T. -0.005 min
Lab File: 4p694101.d
Acq: 4 Dec 2024 8:15 pm

Tgt Ion:141 Resp: 3717

Ion	Ratio	Lower	Upper
141	100		
142	116.5	84.8	144.8
115	38.3	6.4	66.4

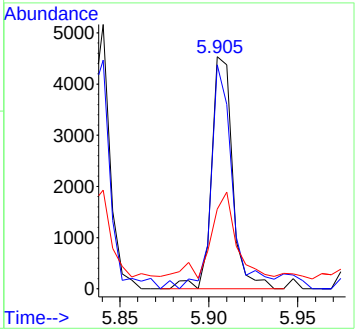


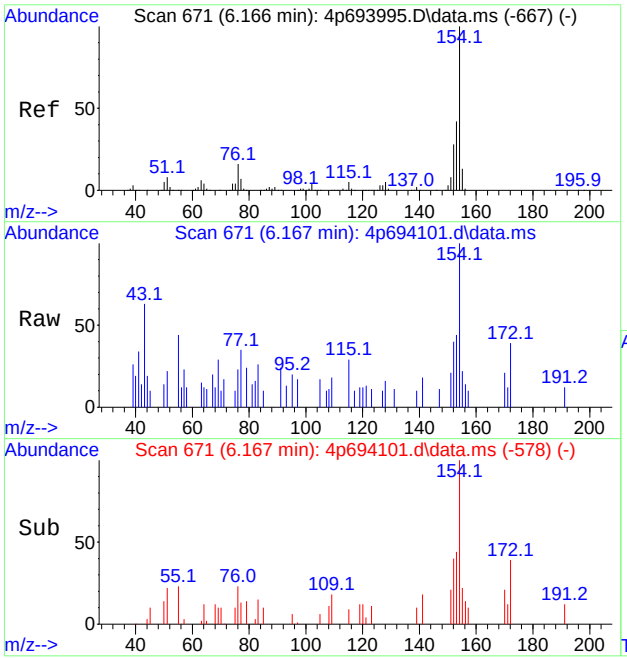


#45
1-Methylnaphthalene
Concen: 0.6832 ppm
RT: 5.905 min Scan# 622
Delta R.T. -0.011 min
Lab File: 4p694101.d
Acq: 4 Dec 2024 8:15 pm

Tgt Ion:142 Resp: 3718

Ion	Ratio	Lower	Upper
142	100		
141	93.4	57.2	117.2
115	28.3	3.2	63.2

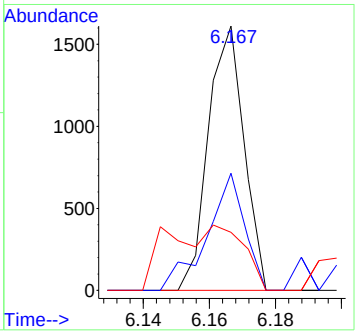


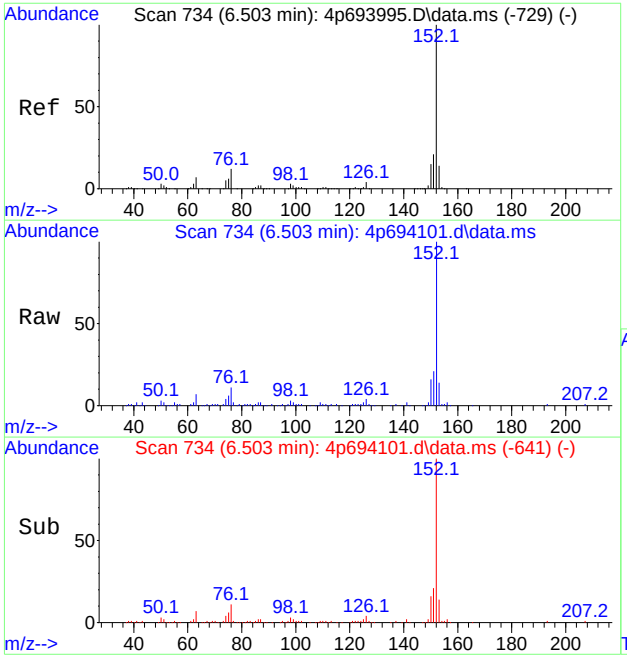


#53
Biphenyl
Concen: 0.1831 ppm
RT: 6.167 min Scan# 671
Delta R.T. -0.005 min
Lab File: 4p694101.d
Acq: 4 Dec 2024 8:15 pm

Tgt Ion:154 Resp: 1213

Ion	Ratio	Lower	Upper
154	100		
153	44.3	11.6	71.6
155	10.0	0.0	43.1

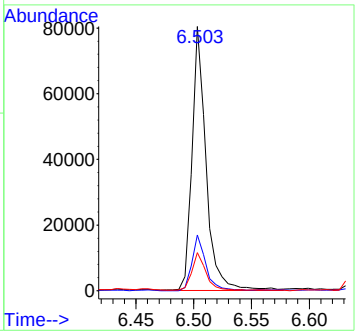


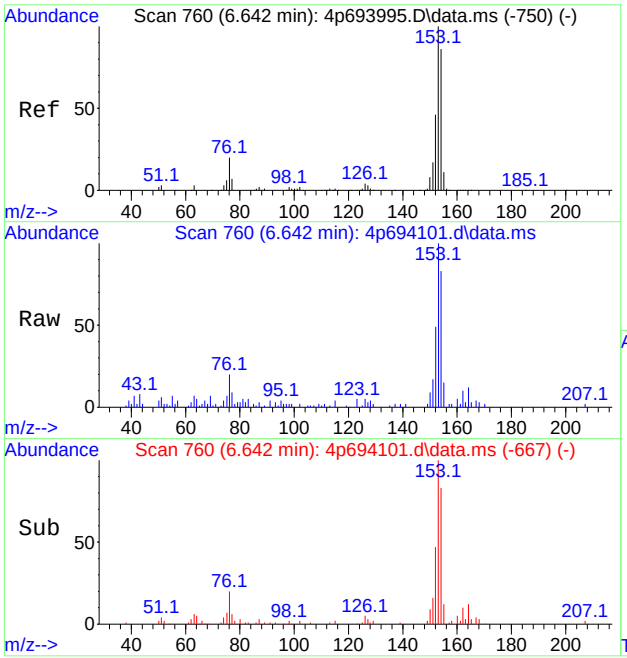


#56
Acenaphthylene
Concen: 9.6406 ppm
RT: 6.503 min Scan# 734
Delta R.T. -0.005 min
Lab File: 4p694101.d
Acq: 4 Dec 2024 8:15 pm

Tgt Ion:152 Resp: 68587

Ion	Ratio	Lower	Upper
152	100		
151	21.0	0.0	51.0
153	14.2	0.0	44.0

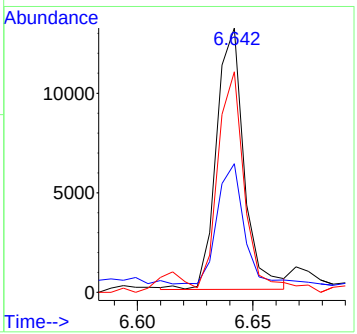


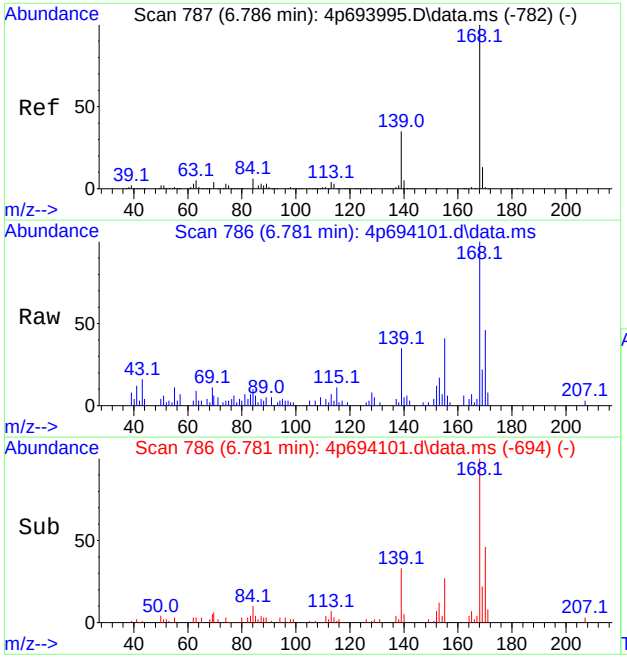


#59
Acenaphthene
Concen: 2.0140 ppm
RT: 6.642 min Scan# 760
Delta R.T. -0.005 min
Lab File: 4p694101.d
Acq: 4 Dec 2024 8:15 pm

Tgt Ion:153 Resp: 10949

Ion	Ratio	Lower	Upper
153	100		
152	45.8	15.6	75.6
154	81.7	50.8	110.8

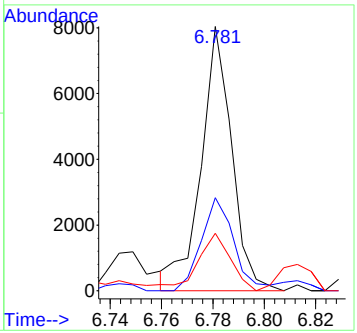


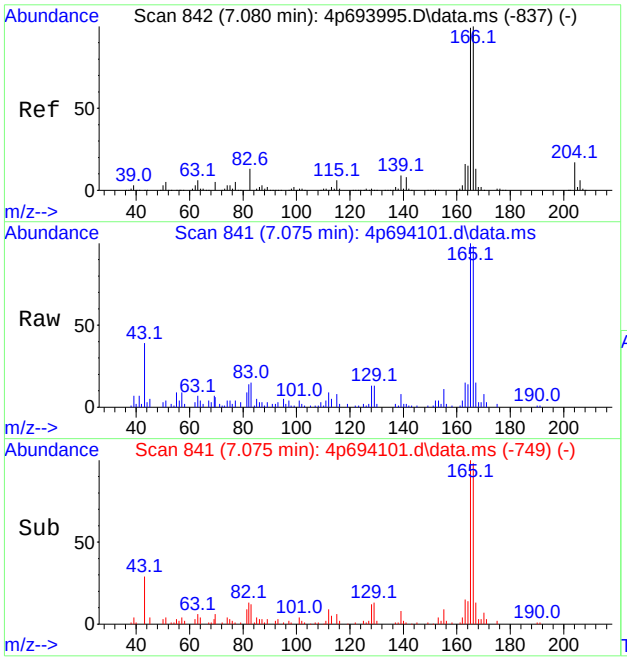


#62
Dibenzofuran
Concen: 0.9040 ppm
RT: 6.781 min Scan# 786
Delta R.T. -0.011 min
Lab File: 4p694101.d
Acq: 4 Dec 2024 8:15 pm

Tgt Ion:168 Resp: 6677

Ion	Ratio	Lower	Upper
168	100		
139	34.9	4.7	64.7
169	16.8	0.0	43.1

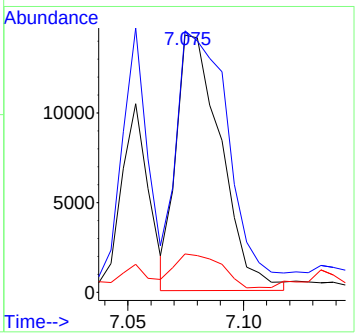


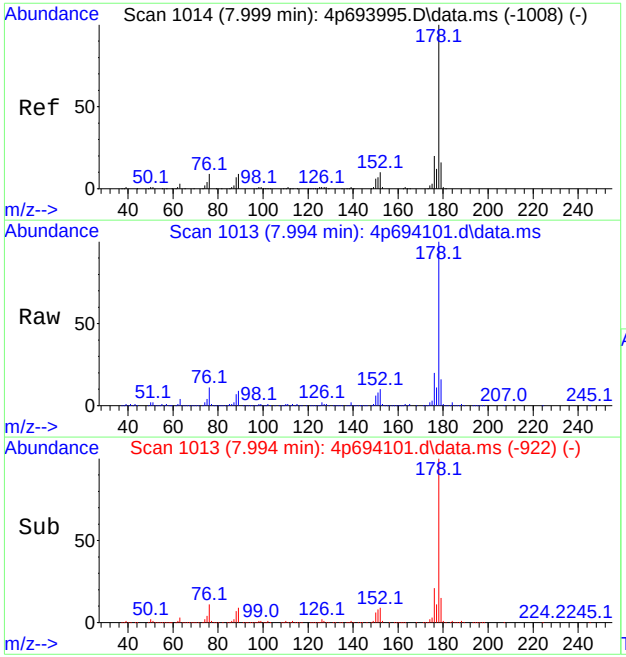


#66
Fluorene
Concen: 3.2610 ppm
RT: 7.075 min Scan# 841
Delta R.T. -0.011 min
Lab File: 4p694101.d
Acq: 4 Dec 2024 8:15 pm

Tgt Ion:166 Resp: 19202

Ion	Ratio	Lower	Upper
166	100		
165	97.8	69.1	129.1
167	11.3	0.0	43.7

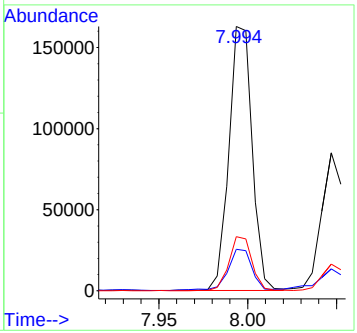


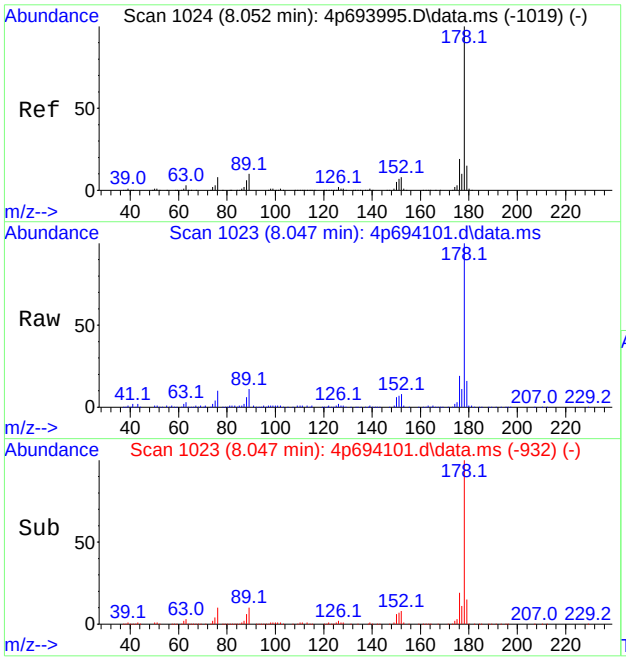


#78
Phenanthrene
Concen: 19.2817 ppm
RT: 7.994 min Scan# 1013
Delta R.T. -0.016 min
Lab File: 4p694101.d
Acq: 4 Dec 2024 8:15 pm

Tgt Ion:178 Resp: 147922

Ion	Ratio	Lower	Upper
178	100		
179	15.4	0.0	45.5
176	20.4	0.0	49.9

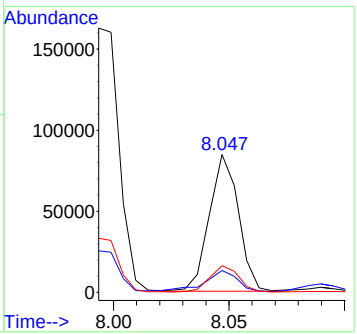


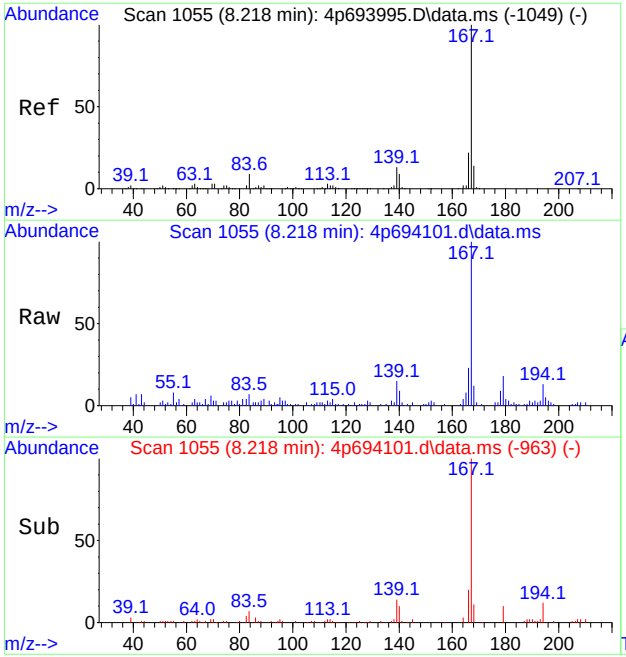


#79
Anthracene
Concen: 9.8624 ppm
RT: 8.047 min Scan# 1023
Delta R.T. -0.016 min
Lab File: 4p694101.d
Acq: 4 Dec 2024 8:15 pm

Tgt Ion:178 Resp: 74377

Ion	Ratio	Lower	Upper
178	100		
179	14.9	0.0	45.3
176	19.3	0.0	49.4

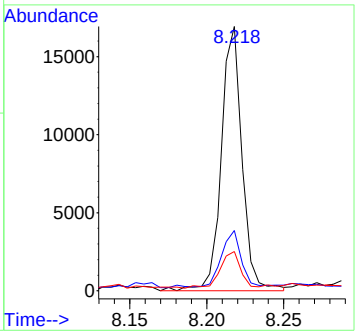


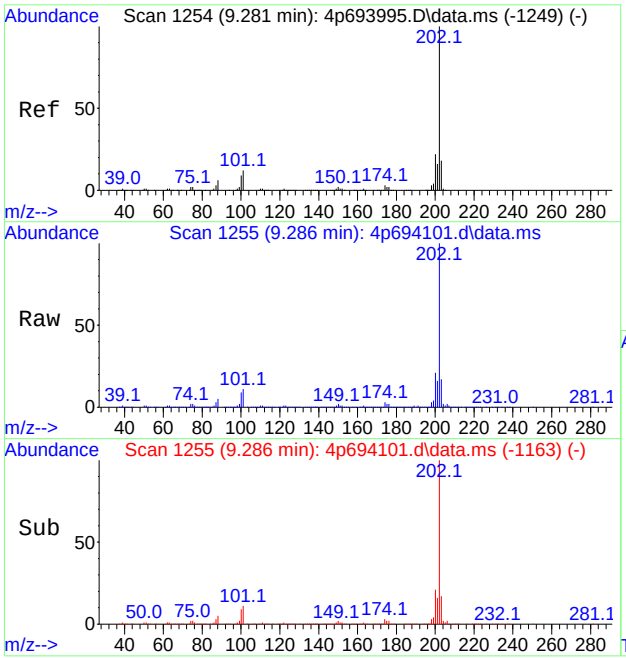


#80
Carbazole
Concen: 2.2887 ppm
RT: 8.218 min Scan# 1055
Delta R.T. -0.011 min
Lab File: 4p694101.d
Acq: 4 Dec 2024 8:15 pm

Tgt Ion:167 Resp: 15852

Ion	Ratio	Lower	Upper
167	100		
166	21.3	0.0	52.3
139	13.2	0.0	42.3

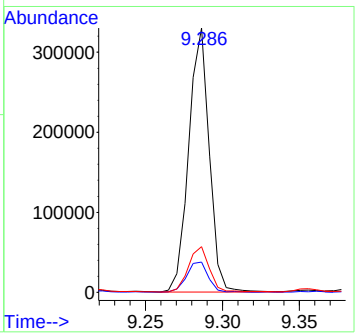


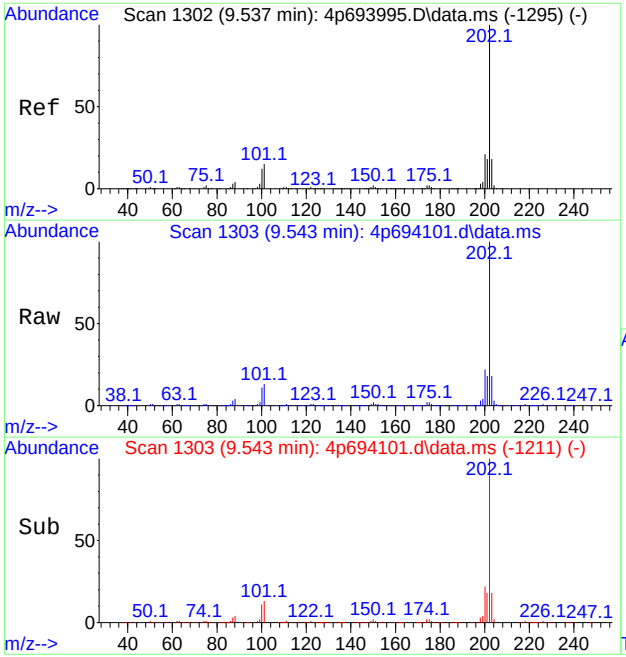


#82
Fluoranthene
Concen: 36.7238 ppm
RT: 9.286 min Scan# 1255
Delta R.T. -0.011 min
Lab File: 4p694101.d
Acq: 4 Dec 2024 8:15 pm

Tgt Ion:202 Resp: 305527

Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	41.6
203	17.2	0.0	47.6

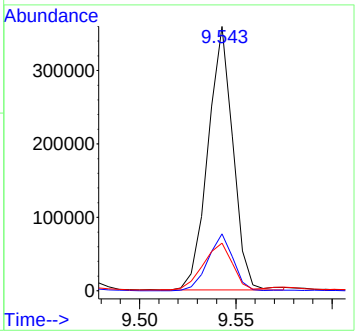


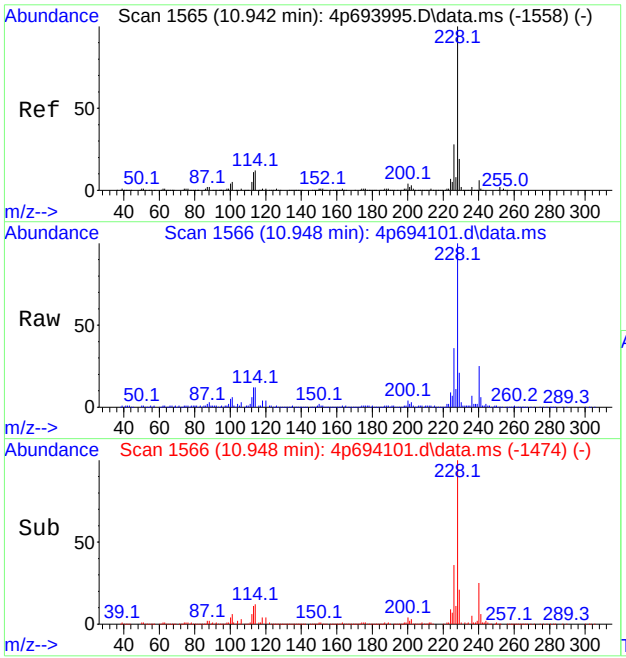


#86
Pyrene
Concen: 34.7285 ppm
RT: 9.543 min Scan# 1303
Delta R.T. -0.011 min
Lab File: 4p694101.d
Acq: 4 Dec 2024 8:15 pm

Tgt Ion:202 Resp: 324313

Ion	Ratio	Lower	Upper
202	100		
200	21.5	0.0	52.0
203	17.4	0.0	47.4

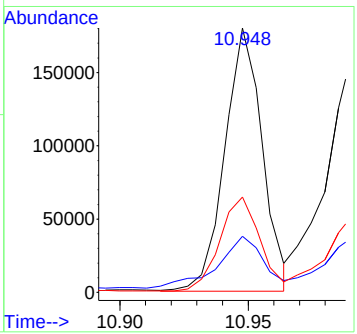


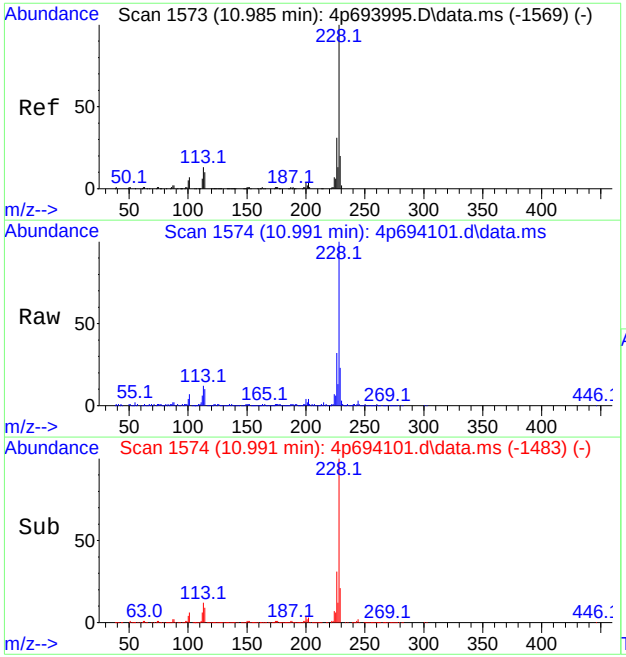


#89
Benzo[a]anthracene
Concen: 21.2581 ppm
RT: 10.948 min Scan# 1566
Delta R.T. -0.011 min
Lab File: 4p694101.d
Acq: 4 Dec 2024 8:15 pm

Tgt Ion:228 Resp: 183446

Ion	Ratio	Lower	Upper
228	100		
229	18.9	0.0	49.8
226	35.9	0.0	58.4

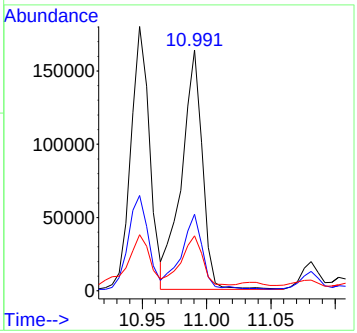


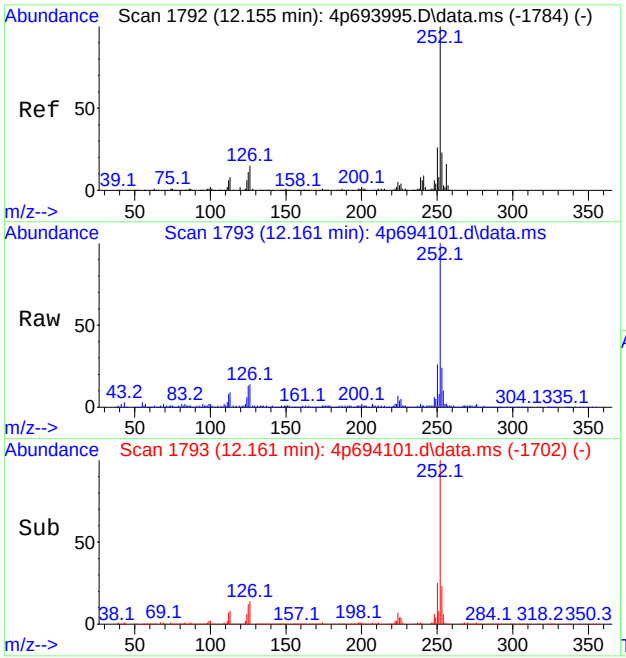


#91
Chrysene
Concen: 22.1894 ppm
RT: 10.991 min Scan# 1574
Delta R.T. -0.016 min
Lab File: 4p694101.d
Acq: 4 Dec 2024 8:15 pm

Tgt Ion:228 Resp: 184613

Ion	Ratio	Lower	Upper
228	100		
226	31.2	1.4	61.4
229	20.6	0.0	49.5

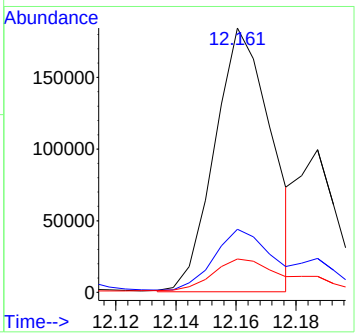


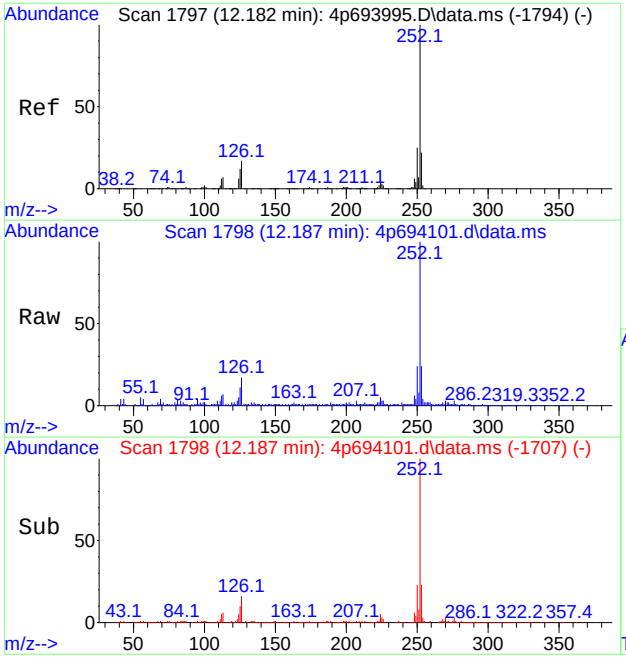


#95
Benzo[b]fluoranthene
Concen: 23.5118 ppm m
RT: 12.161 min Scan# 1793
Delta R.T. -0.016 min
Lab File: 4p694101.d
Acq: 4 Dec 2024 8:15 pm

Tgt Ion:252 Resp: 240397

Ion	Ratio	Lower	Upper
252	100		
253	23.8	0.0	52.1
125	12.7	0.0	42.4

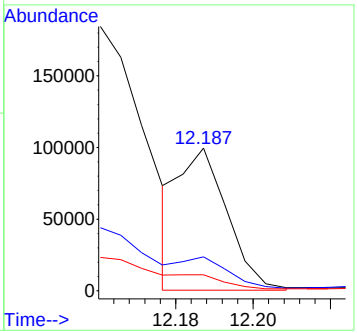


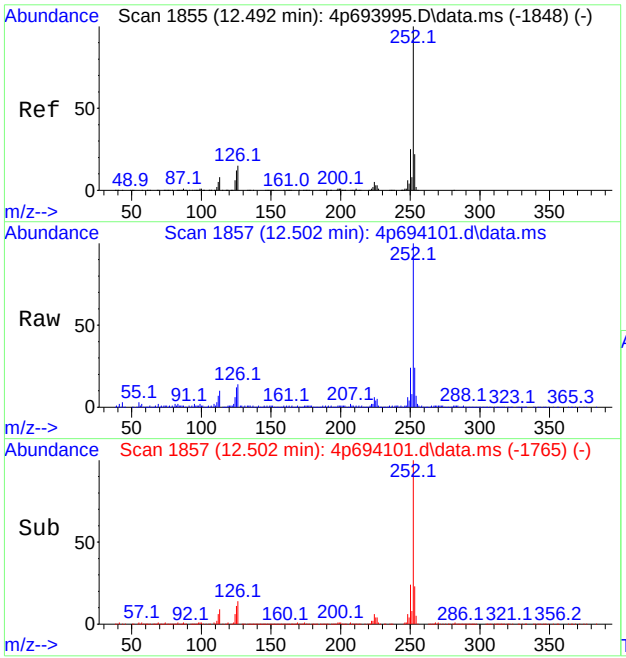


#96
Benzo[k]fluoranthene
Concen: 8.8391 ppm m
RT: 12.187 min Scan# 1798
Delta R.T. -0.016 min
Lab File: 4p694101.d
Acq: 4 Dec 2024 8:15 pm

Tgt Ion:252 Resp: 85693

Ion	Ratio	Lower	Upper
252	100		
253	23.9	0.0	51.8
125	11.3	0.0	42.6

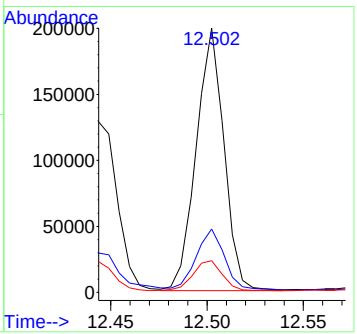


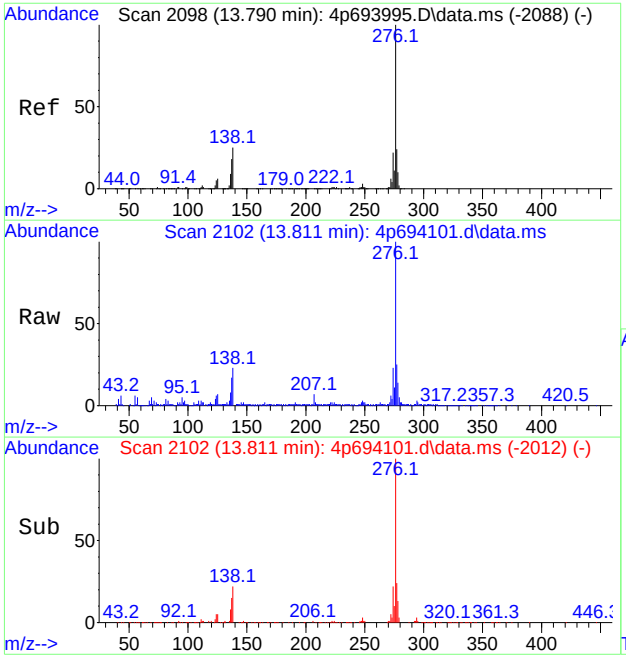


#97
Benzo[a]pyrene
Concen: 23.1830 ppm
RT: 12.502 min Scan# 1857
Delta R.T. -0.011 min
Lab File: 4p694101.d
Acq: 4 Dec 2024 8:15 pm

Tgt Ion:252 Resp: 200396

Ion	Ratio	Lower	Upper
252	100		
253	23.0	0.0	52.3
125	11.5	0.0	43.1

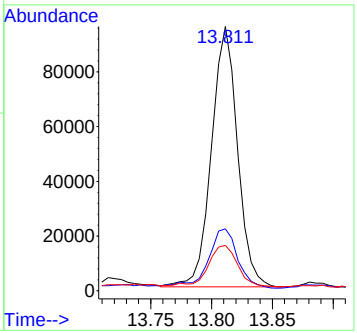


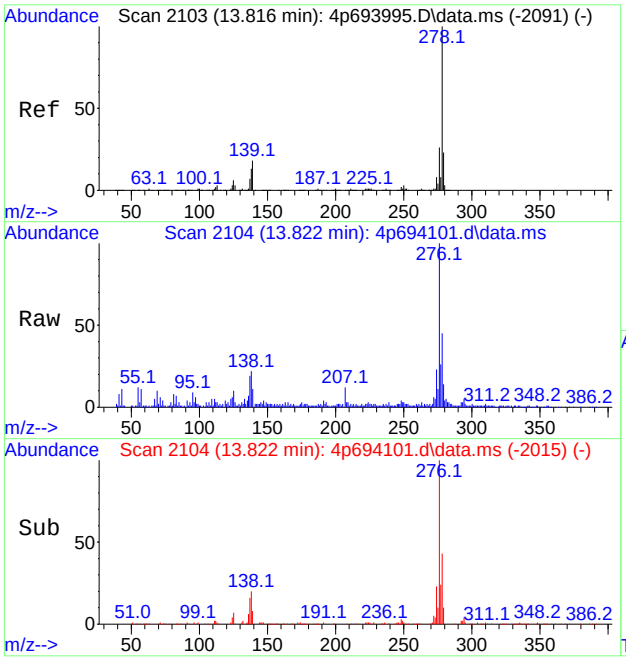


#98
Indeno[1,2,3-cd]pyrene
Concen: 12.2867 ppm
RT: 13.811 min Scan# 2102
Delta R.T. -0.021 min
Lab File: 4p694101.d
Acq: 4 Dec 2024 8:15 pm

Tgt Ion:276 Resp: 141420

Ion	Ratio	Lower	Upper
276	100		
138	22.3	0.0	55.6
137	15.7	0.0	47.8

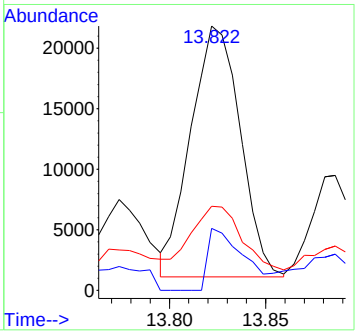


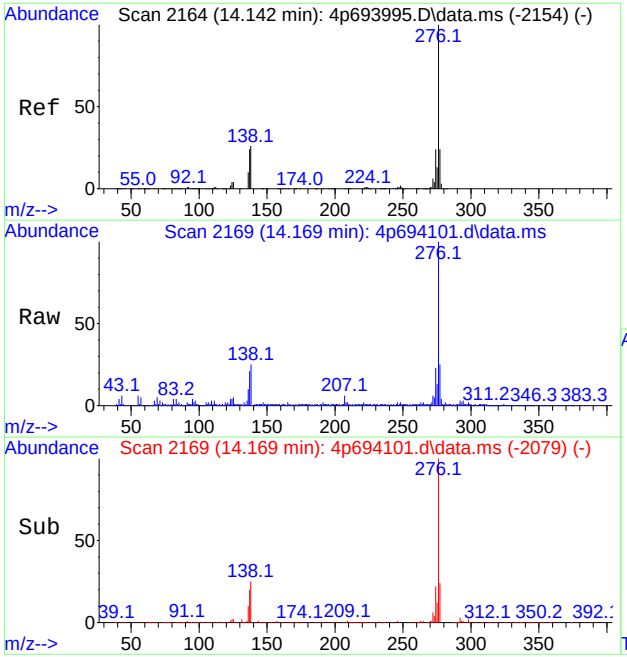


#100
Dibenz[a,h]anthracene
Concen: 3.9819 ppm
RT: 13.822 min Scan# 2104
Delta R.T. -0.027 min
Lab File: 4p694101.d
Acq: 4 Dec 2024 8:15 pm

Tgt Ion:278 Resp: 37169

Ion	Ratio	Lower	Upper
278	100		
139	22.1	0.0	49.6
279	24.5	0.0	53.2

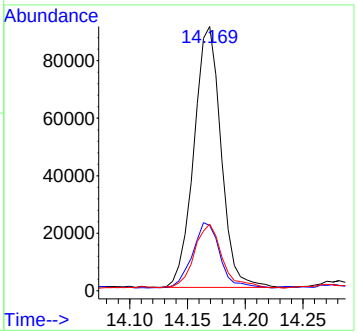




#102
Benzo[g,h,i]perylene
Concen: 17.0465 ppm
RT: 14.169 min Scan# 2169
Delta R.T. -0.021 min
Lab File: 4p694101.d
Acq: 4 Dec 2024 8:15 pm

Tgt Ion:276 Resp: 148552

Ion	Ratio	Lower	Upper
276	100		
138	23.6	0.0	55.1
277	24.4	0.0	53.9



Manual Integrations APPROVED (compounds with "m" flag)
Jon Kreigmor Mamanta 12/11/24 03:37

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\e4p3706\
Data File : 4p694250.d
Acq On : 10 Dec 2024 7:02 pm
Operator : kaleigh
Sample : je1300-23a Inst : GCMS4P
Misc : op59834,e4p3706,30.9,,,1,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 11 04:12:43 2024
Quant Method : X:\Dayton SVOA GCMS\michaell\e4p3706\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Wed Dec 11 00:48:48 2024
Response via : Initial Calibration

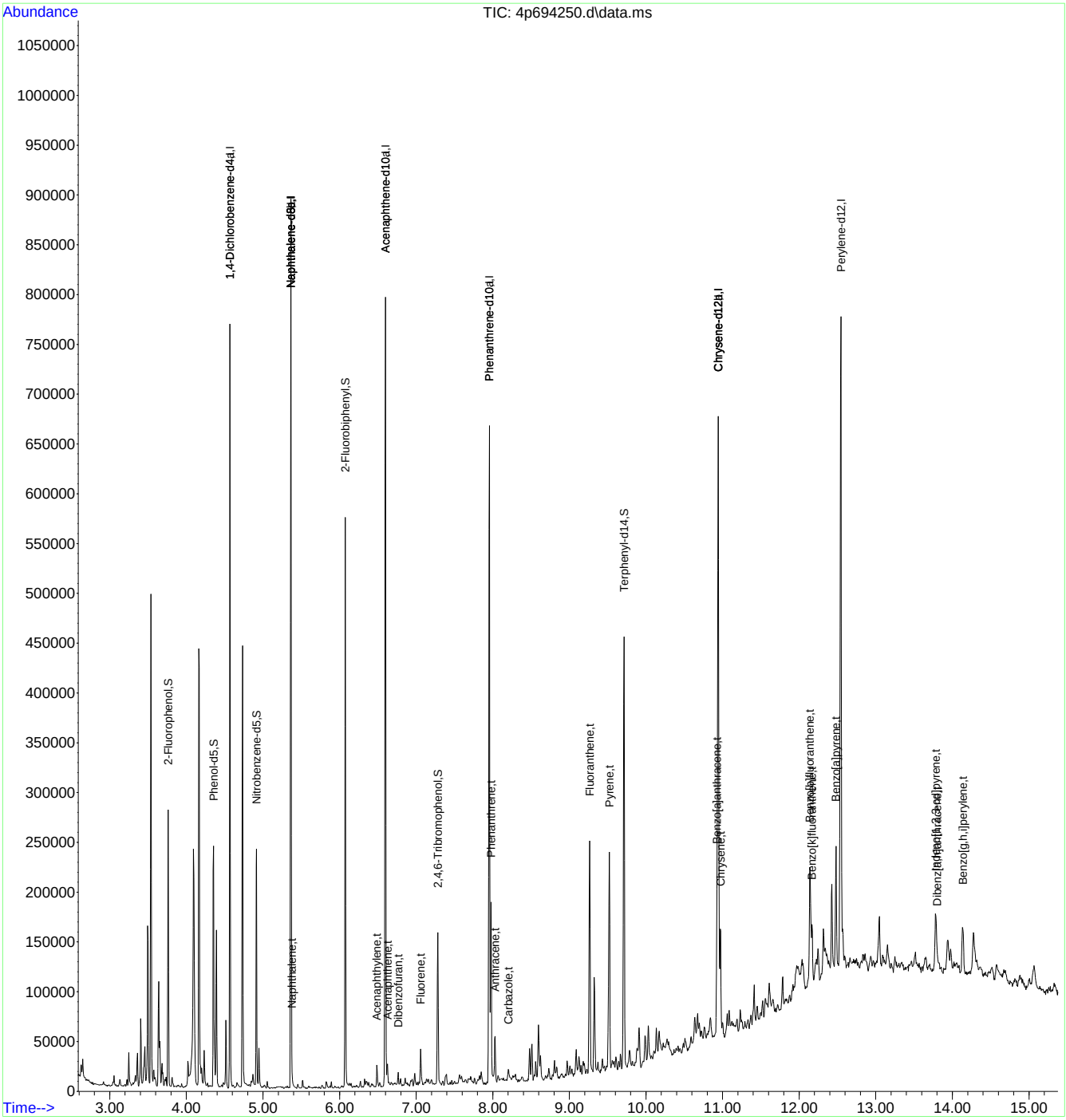
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	75437	40.00	ppm	0.00
24) Naphthalene-d8	5.365	136	267693	40.00	ppm	0.00
46) Acenaphthene-d10	6.599	164	143321	40.00	ppm	0.00
69) Phenanthrene-d10	7.956	188	227440	40.00	ppm	0.00
84) Chrysene-d12	10.942	240	214837	40.00	ppm	0.00
93) Perylene-d12	12.545	264	246741	40.00	ppm	0.00
103) 1,4-Dichlorobenzene-d4a	4.569	152	75437	40.00	ppm	0.00
105) Acenaphthene-d10a	6.599	164	143321	40.00	ppm	0.00
107) Chrysene-d12a	10.942	240	214837	40.00	ppm	0.00
109) Phenanthrene-d10a	7.956	188	227440	40.00	ppm	0.00
111) Naphthalene-d8a	5.365	136	267693	40.00	ppm	0.00
113) Chrysene-d12b	10.942	240	214837	40.00	ppm	0.00
115) Naphthalene-d8b	5.365	136	267693	40.00	ppm	0.00
118) Naphthalene-d8c	5.365	136	267693	40.00	ppm	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.762	112	50688	24.45	ppm	0.02
Spiked Amount 50.000			Recovery =	48.90%		
8) Phenol-d5	4.355	99	62514	22.92	ppm	0.02
Spiked Amount 50.000			Recovery =	45.84%		
25) Nitrobenzene-d5	4.916	82	59951	25.28	ppm	0.00
Spiked Amount 50.000			Recovery =	50.56%		
51) 2-Fluorobiphenyl	6.076	172	133095	27.27	ppm	0.00
Spiked Amount 50.000			Recovery =	54.54%		
74) 2,4,6-Tribromophenol	7.283	330	13220	23.07	ppm	0.00
Spiked Amount 50.000			Recovery =	46.14%		
87) Terphenyl-d14	9.714	244	137162	25.66	ppm	0.00
Spiked Amount 50.000			Recovery =	51.32%		
108) 1-chlorooctadecane	0.000	57	0	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
110) o-terphenyl	0.000	230	0	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
38) Naphthalene	5.376	128	2153	0.3076	ppm	99
56) Acenaphthylene	6.487	152	8122	1.3901	ppm	92
59) Acenaphthene	6.626	153	4220	0.9452	ppm	94
62) Dibenzofuran	6.765	168	3255	0.5366	ppm	92
66) Fluorene	7.059	166	7298	1.5092	ppm	88
78) Phenanthrene	7.977	178	58733	9.2260	ppm	99
79) Anthracene	8.031	178	16284	2.6021	ppm	97
80) Carbazole	8.202	167	3003	0.5225	ppm	96
82) Fluoranthene	9.265	202	91845	13.3037	ppm	97
86) Pyrene	9.521	202	87916	11.6306	ppm	99
89) Benzo[a]anthracene	10.926	228	48642	6.9637	ppm	92
91) Chrysene	10.974	228	45202	6.7120	ppm	98
95) Benzo[b]fluoranthene	12.139	252	61176	8.0098	ppm	97
96) Benzo[k]fluoranthene	12.166	252	18136m	2.5043	ppm	
97) Benzo[a]pyrene	12.481	252	46341	7.1768	ppm	99
98) Indeno[1,2,3-cd]pyrene	13.784	276	30355	3.5305	ppm	94
100) Dibenz[a,h]anthracene	13.800	278	8085	1.1595	ppm	94
102) Benzo[g,h,i]perylene	14.137	276	31144	4.7843	ppm	94

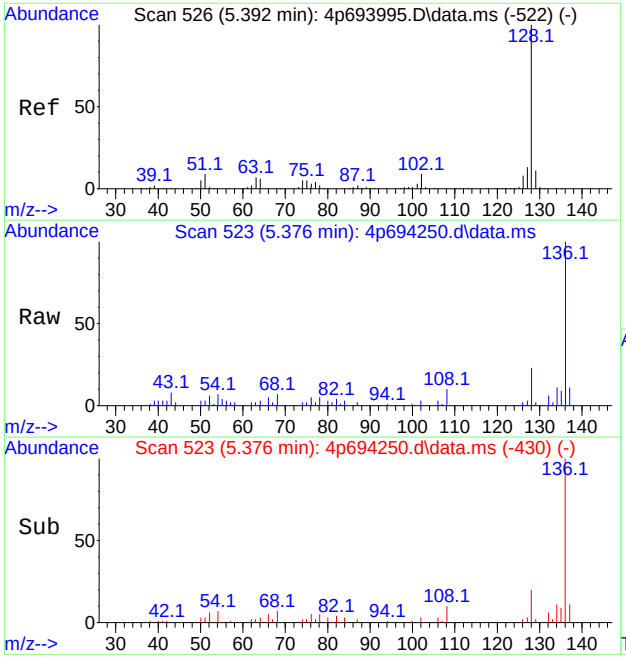
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\e4p3706\
Data File : 4p694250.d
Acq On : 10 Dec 2024 7:02 pm
Operator : kaleigh
Sample : je1300-23a Inst : GCMS4P
Misc : op59834,e4p3706,30.9,,,1,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 11 04:12:43 2024
Quant Method : X:\Dayton SVOA GCMS\michaell\e4p3706\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Wed Dec 11 00:48:48 2024
Response via : Initial Calibration

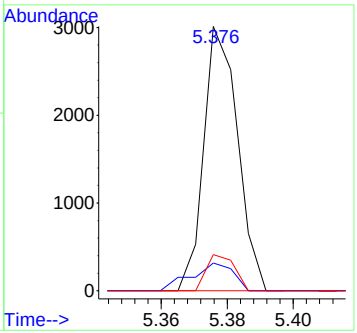


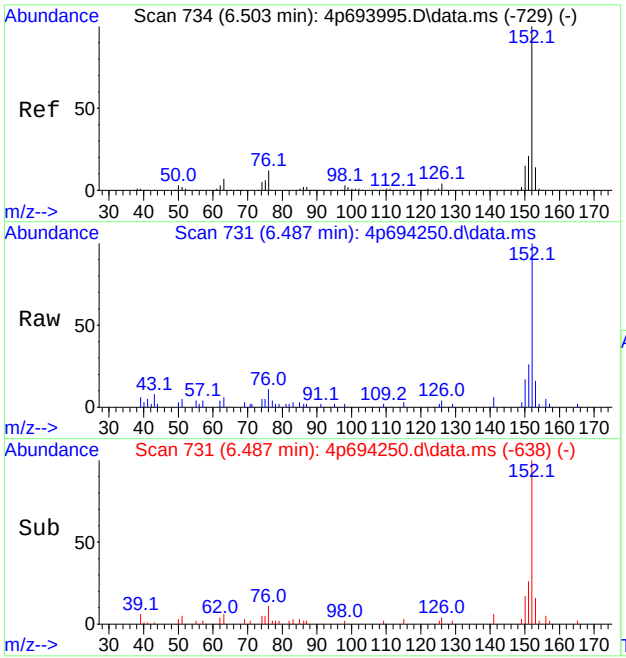


#38
Naphthalene
Concen: 0.3076 ppm
RT: 5.376 min Scan# 523
Delta R.T. -0.005 min
Lab File: 4p694250.d
Acq: 10 Dec 2024 7:02 pm

Tgt Ion:128 Resp: 2153

Ion	Ratio	Lower	Upper
128	100		
129	10.5	0.0	40.9
127	13.7	0.0	43.9

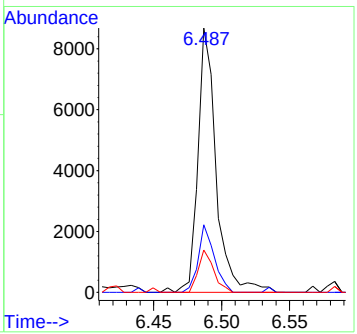


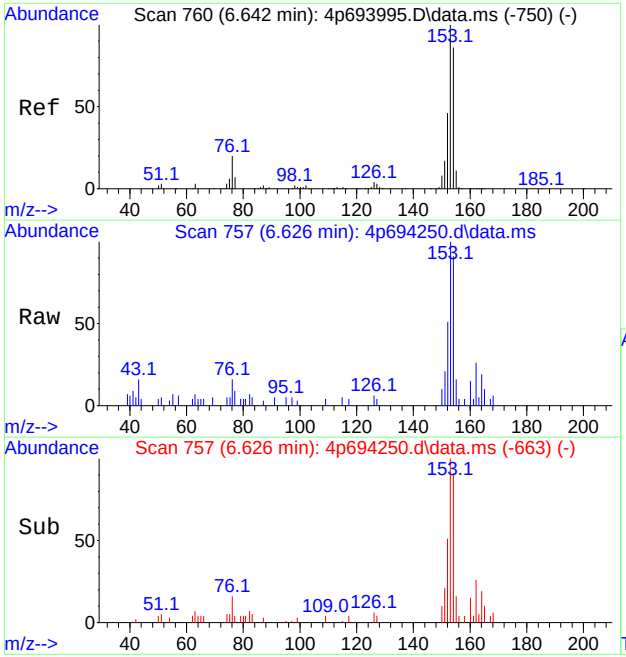


#56
Acenaphthylene
Concen: 1.3901 ppm
RT: 6.487 min Scan# 731
Delta R.T. -0.005 min
Lab File: 4p694250.d
Acq: 10 Dec 2024 7:02 pm

Tgt Ion:152 Resp: 8122

Ion	Ratio	Lower	Upper
152	100		
151	25.6	0.0	51.4
153	16.1	0.0	43.4

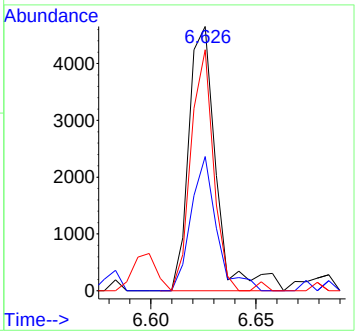


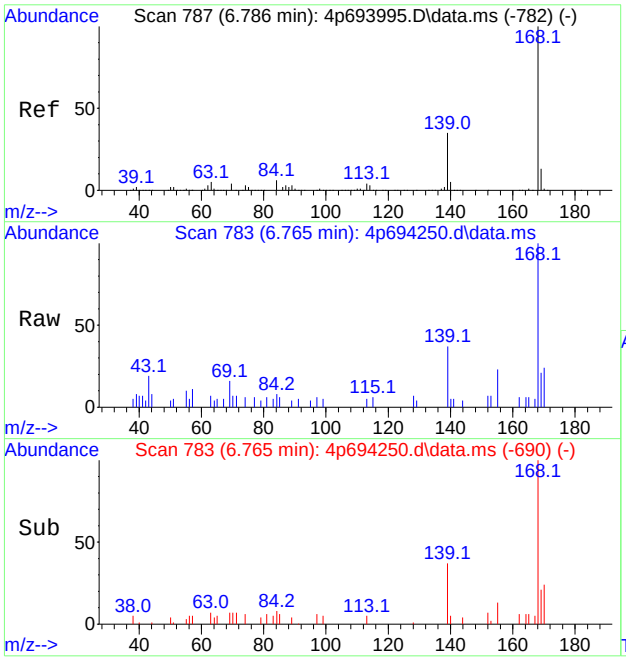


#59
Acenaphthene
Concen: 0.9452 ppm
RT: 6.626 min Scan# 757
Delta R.T. -0.000 min
Lab File: 4p694250.d
Acq: 10 Dec 2024 7:02 pm

Tgt Ion:153 Resp: 4220

Ion	Ratio	Lower	Upper
153	100		
152	50.8	17.7	77.7
154	88.8	52.1	112.1

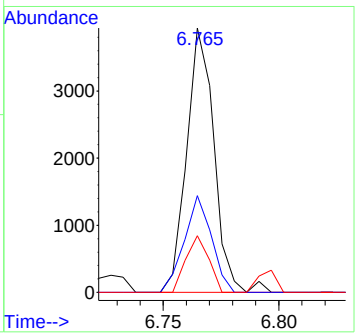


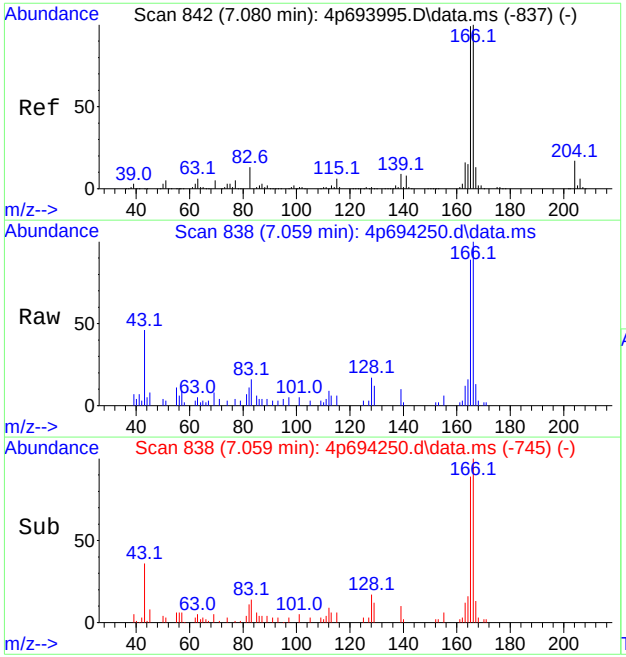


#62
Dibenzofuran
Concen: 0.5366 ppm
RT: 6.765 min Scan# 783
Delta R.T. -0.005 min
Lab File: 4p694250.d
Acq: 10 Dec 2024 7:02 pm

Tgt Ion:168 Resp: 3255

Ion	Ratio	Lower	Upper
168	100		
139	36.5	4.7	64.7
169	21.4	0.0	43.4

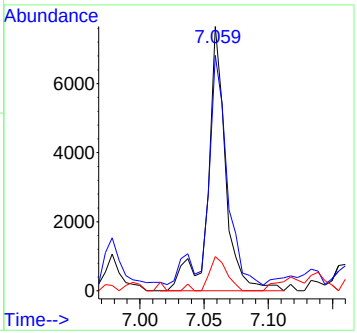


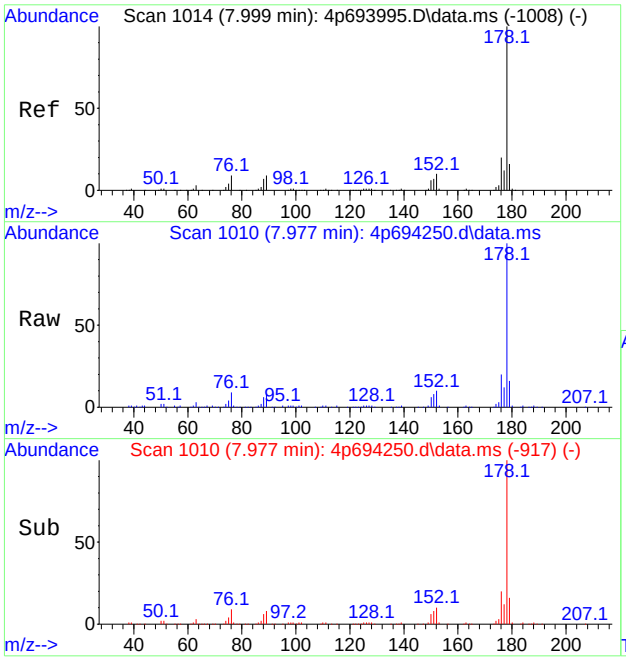


#66
Fluorene
Concen: 1.5092 ppm
RT: 7.059 min Scan# 838
Delta R.T. -0.005 min
Lab File: 4p694250.d
Acq: 10 Dec 2024 7:02 pm

Tgt Ion:166 Resp: 7298

Ion	Ratio	Lower	Upper
166	100		
165	84.9	67.1	127.1
167	9.5	0.0	43.1

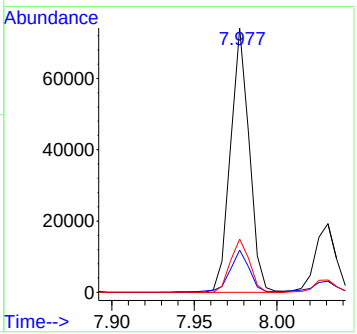


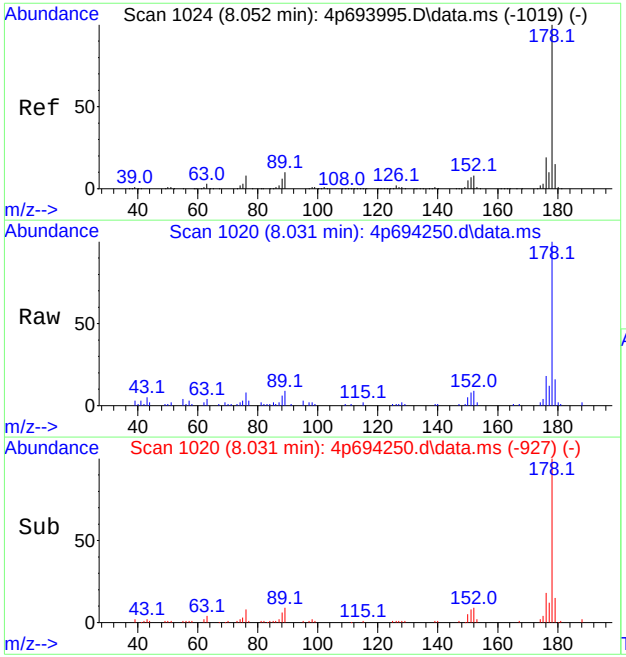


#78
Phenanthrene
Concen: 9.2260 ppm
RT: 7.977 min Scan# 1010
Delta R.T. -0.005 min
Lab File: 4p694250.d
Acq: 10 Dec 2024 7:02 pm

Tgt Ion:178 Resp: 58733

Ion	Ratio	Lower	Upper
178	100		
179	16.0	0.0	45.5
176	20.2	0.0	49.9

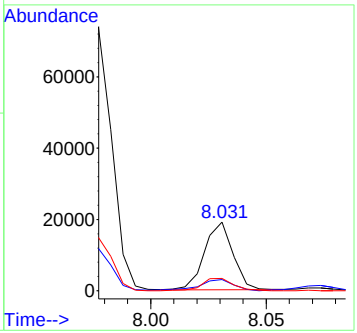


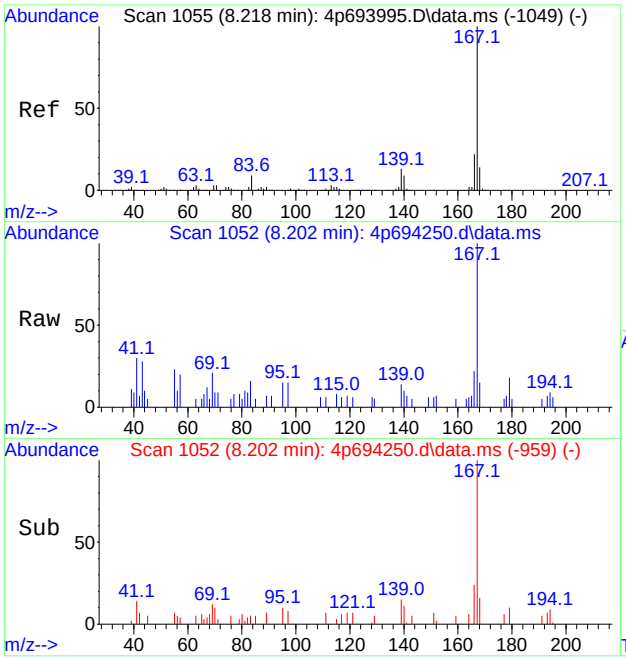


#79
Anthracene
Concen: 2.6021 ppm
RT: 8.031 min Scan# 1020
Delta R.T. -0.005 min
Lab File: 4p694250.d
Acq: 10 Dec 2024 7:02 pm

Tgt Ion:178 Resp: 16284

Ion	Ratio	Lower	Upper
178	100		
179	15.1	0.0	45.7
176	18.3	0.0	50.1

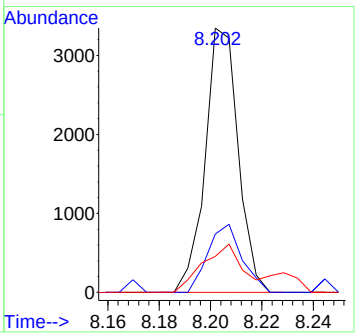


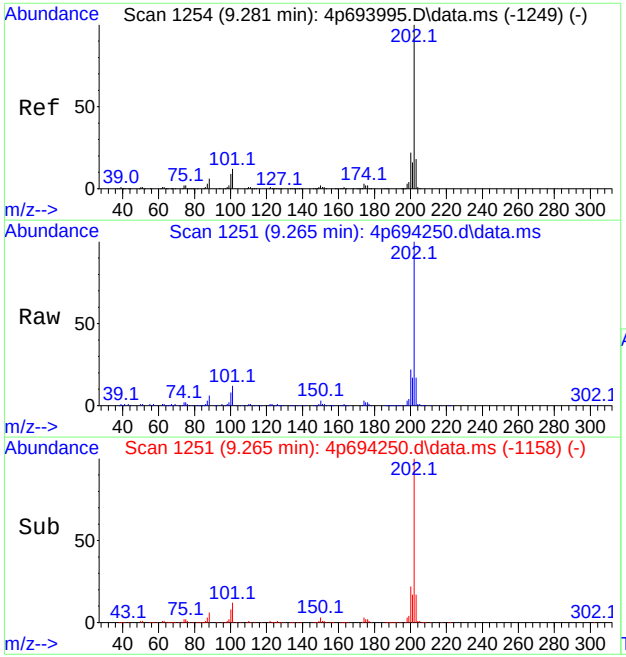


#80
Carbazole
Concen: 0.5225 ppm
RT: 8.202 min Scan# 1052
Delta R.T. -0.005 min
Lab File: 4p694250.d
Acq: 10 Dec 2024 7:02 pm

Tgt Ion:167 Resp: 3003

Ion	Ratio	Lower	Upper
167	100		
166	22.1	0.0	53.0
139	9.9	0.0	42.5

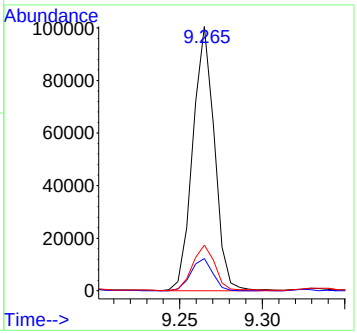


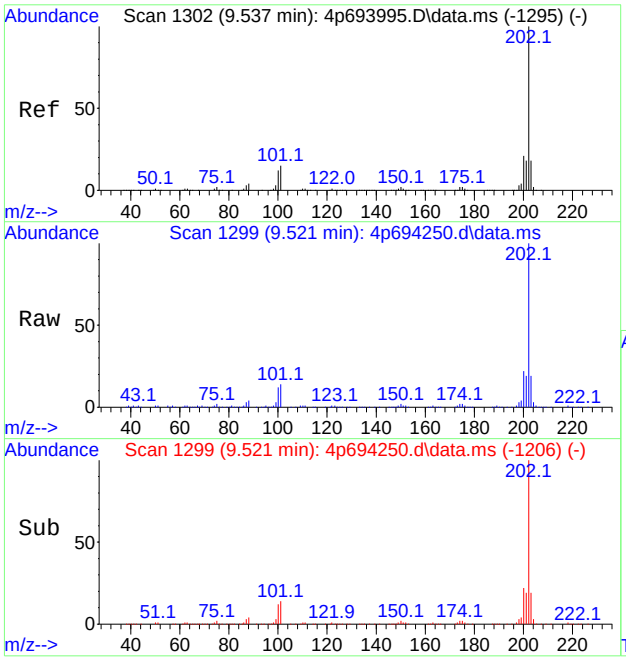


#82
Fluoranthene
Concen: 13.3037 ppm
RT: 9.265 min Scan# 1251
Delta R.T. -0.005 min
Lab File: 4p694250.d
Acq: 10 Dec 2024 7:02 pm

Tgt Ion:202 Resp: 91845

Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	41.0
203	17.1	0.0	48.1

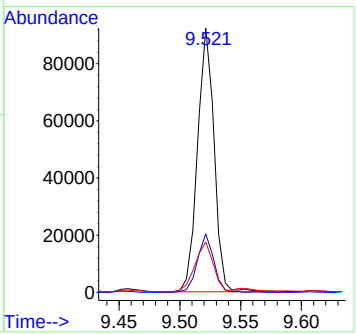


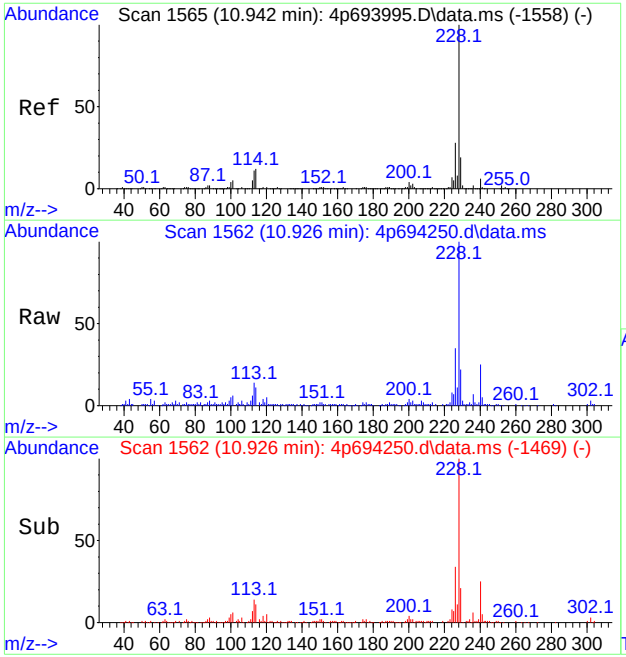


#86
Pyrene
Concen: 11.6306 ppm
RT: 9.521 min Scan# 1299
Delta R.T. -0.005 min
Lab File: 4p694250.d
Acq: 10 Dec 2024 7:02 pm

Tgt Ion:202 Resp: 87916

Ion	Ratio	Lower	Upper
202	100		
200	22.2	0.0	52.2
203	18.7	0.0	47.8

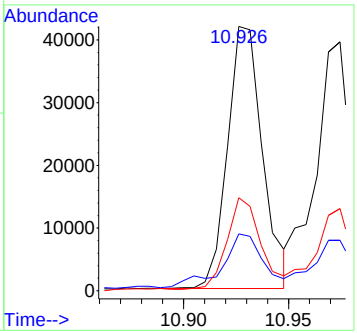


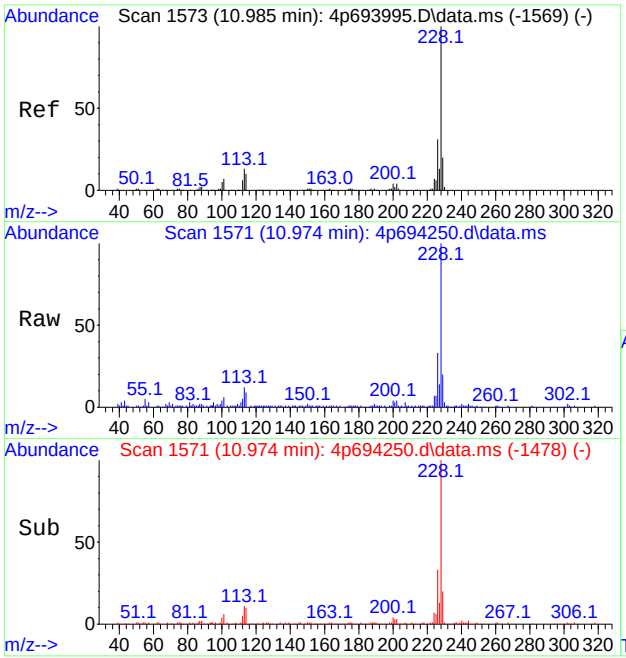


#89
Benzo[a]anthracene
Concen: 6.9637 ppm
RT: 10.926 min Scan# 1562
Delta R.T. -0.005 min
Lab File: 4p694250.d
Acq: 10 Dec 2024 7:02 pm

Tgt Ion:228 Resp: 48642

Ion	Ratio	Lower	Upper
228	100		
229	20.3	0.0	49.4
226	34.8	0.0	58.6

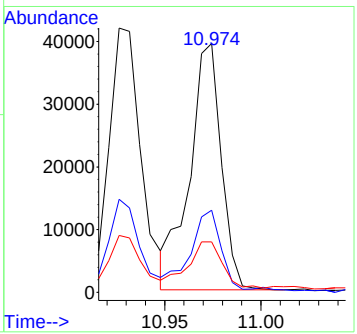


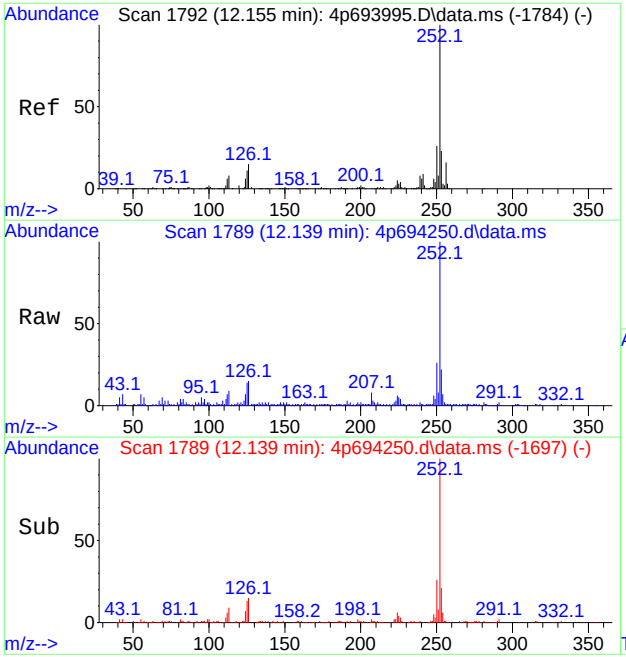


#91
Chrysene
Concen: 6.7120 ppm
RT: 10.974 min Scan# 1571
Delta R.T. -0.005 min
Lab File: 4p694250.d
Acq: 10 Dec 2024 7:02 pm

Tgt Ion:228 Resp: 45202

Ion	Ratio	Lower	Upper
228	100		
226	32.3	1.4	61.4
229	18.4	0.0	49.8

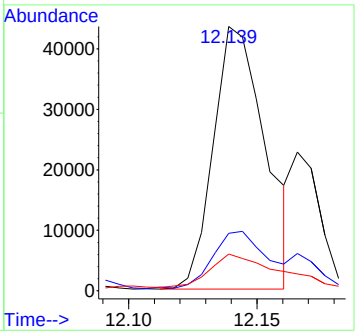


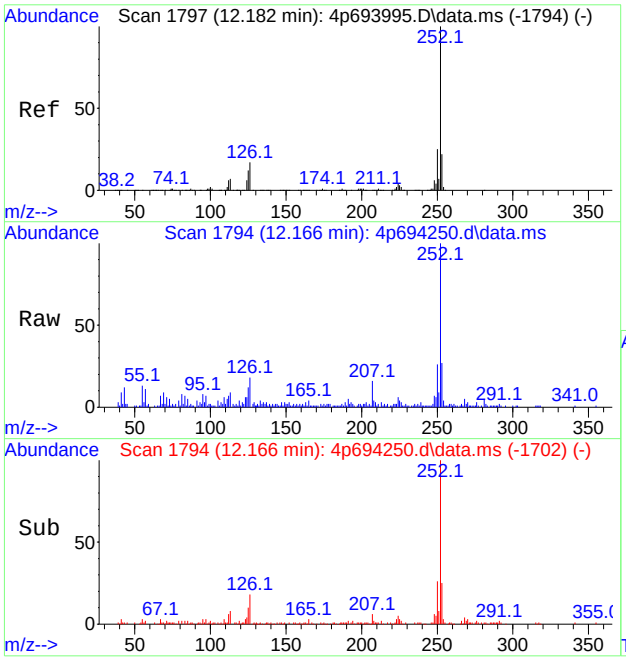


#95
Benzo[b]fluoranthene
Concen: 8.0098 ppm
RT: 12.139 min Scan# 1789
Delta R.T. -0.011 min
Lab File: 4p694250.d
Acq: 10 Dec 2024 7:02 pm

Tgt Ion:252 Resp: 61176

Ion	Ratio	Lower	Upper
252	100		
253	20.1	0.0	52.4
125	12.0	0.0	42.1

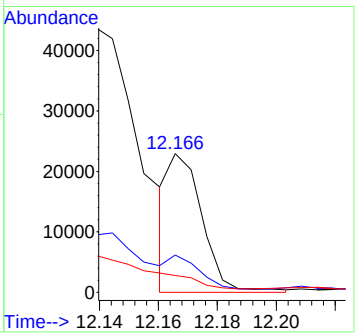


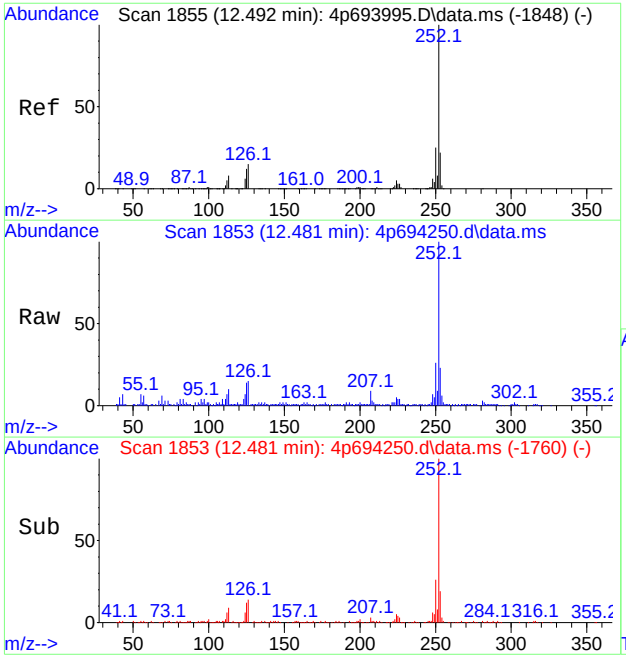


#96
Benzo[k]fluoranthene
Concen: 2.5043 ppm m
RT: 12.166 min Scan# 1794
Delta R.T. -0.011 min
Lab File: 4p694250.d
Acq: 10 Dec 2024 7:02 pm

Tgt Ion:252 Resp: 18136

Ion	Ratio	Lower	Upper
252	100		
253	26.9	0.0	52.3
125	12.1	0.0	41.8

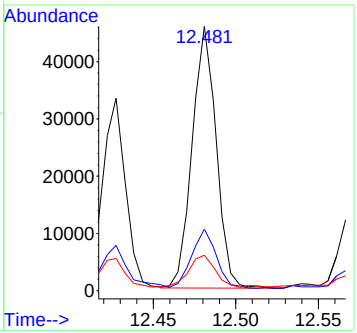


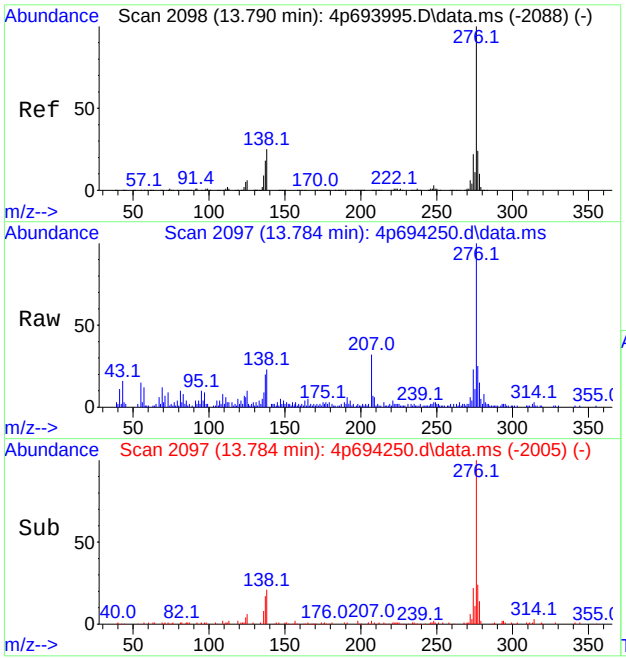


#97
Benzo[a]pyrene
Concen: 7.1768 ppm
RT: 12.481 min Scan# 1853
Delta R.T. -0.005 min
Lab File: 4p694250.d
Acq: 10 Dec 2024 7:02 pm

Tgt Ion:252 Resp: 46341

Ion	Ratio	Lower	Upper
252	100		
253	22.0	0.0	52.1
125	11.9	0.0	42.6

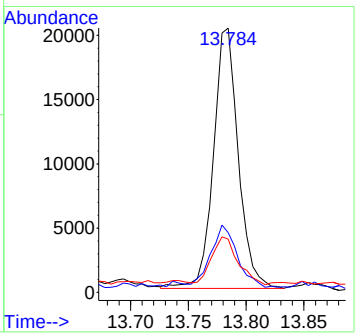


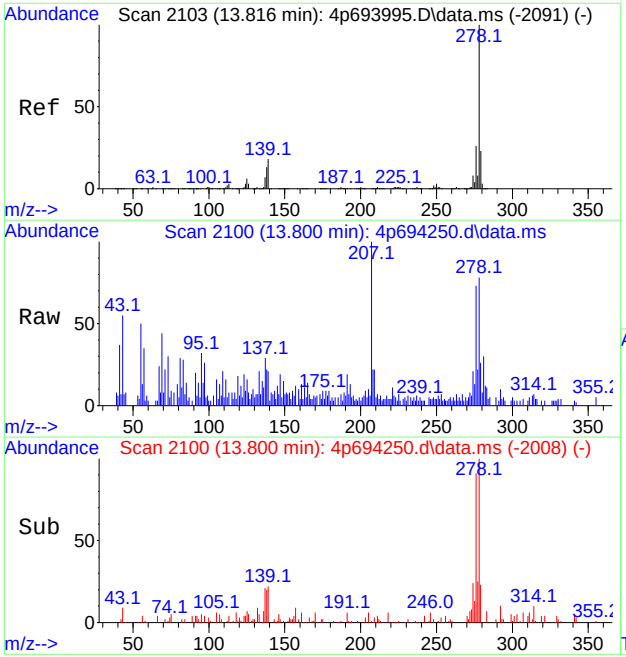


#98
Indeno[1,2,3-cd]pyrene
Concen: 3.5305 ppm
RT: 13.784 min Scan# 2097
Delta R.T. -0.011 min
Lab File: 4p694250.d
Acq: 10 Dec 2024 7:02 pm

Tgt Ion:276 Resp: 30355

Ion	Ratio	Lower	Upper
276	100		
138	20.5	0.0	55.0
137	16.7	0.0	47.3

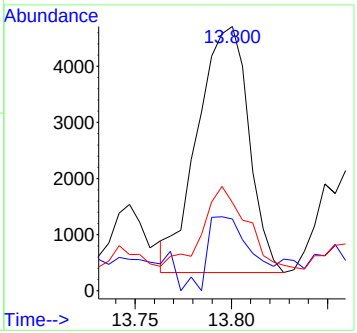


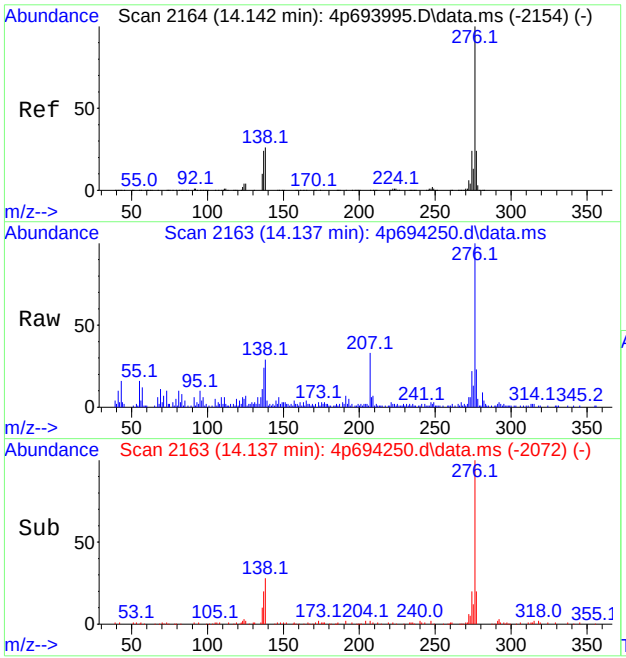


#100
Dibenz[a,h]anthracene
Concen: 1.1595 ppm
RT: 13.800 min Scan# 2100
Delta R.T. -0.011 min
Lab File: 4p694250.d
Acq: 10 Dec 2024 7:02 pm

Tgt Ion:278 Resp: 8085

Ion	Ratio	Lower	Upper
278	100		
139	18.4	0.0	49.7
279	27.4	0.0	53.0

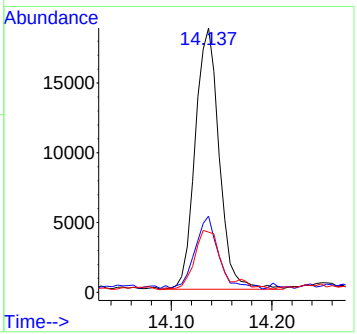




#102
Benzo[g,h,i]perylene
Concen: 4.7843 ppm
RT: 14.137 min Scan# 2163
Delta R.T. -0.016 min
Lab File: 4p694250.d
Acq: 10 Dec 2024 7:02 pm

Tgt Ion:276 Resp: 31144

Ion	Ratio	Lower	Upper
276	100		
138	27.4	0.0	54.1
277	21.6	0.0	53.7



Manual Integrations APPROVED (compounds with "m" flag)
Jon Kreigmor Mamanta 12/05/24 04:59

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\EP7624\
Data File : p163381.d
Acq On : 4 Dec 2024 8:02 pm
Operator : anthonyo
Sample : je1300-24 Inst : GCMSP
Misc : op59834,ep7624,30.1,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 05 07:32:14 2024
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Dec 05 05:41:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.525	152	104762	40.00	ppm		0.00
24) Naphthalene-d8	5.454	136	371027	40.00	ppm		0.00
46) Acenaphthene-d10	6.843	164	216300	40.00	ppm		0.00
69) Phenanthrene-d10	8.686	188	404695	40.00	ppm		0.00
83) Chrysene-d12	13.965	240	428026	40.00	ppm		0.00
92) Perylene-d12	17.052	264	454289	40.00	ppm		0.02
102) 1,4-Dichlorobenzene-d4A	4.525	152	104762	40.00	ppm		0.00
112) Naphthalene-d8A	5.454	136	371027	40.00	ppm		0.00
121) Acenaphthene-d10A	6.843	164	216300	40.00	ppm		0.00
132) Phenanthrene-d10A	8.686	188	404695	40.00	ppm		0.00
147) Chrysene-d12A	13.965	240	428026	40.00	ppm		0.00
154) Perylene-d12A	17.052	264	454289	40.00	ppm		0.02
158) 1,4-Dichlorobenzene-d4b	4.525	152	104762	40.00	ppm		0.00
160) Phenanthrene-d10b	8.686	188	404695	40.00	ppm		0.00
162) Naphthalene-d8b	5.454	136	371027	40.00	ppm	#	0.00
164) Naphthalene-d8c	5.454	136	371027	40.00	ppm		0.00
168) 1,4-Dichlorobenzene-d4c	4.525	152	104762	40.00	ppm		0.00
170) Chrysene-d12c	13.965	240	428026	40.00	ppm		0.00
172) Chrysene-d12d	13.965	240	427543	40.00	ppm		0.00
174) Naphthalene-d8d	5.454	136	371027	40.00	ppm		0.00
176) Chrysene-d12e	13.965	240	427543	40.00	ppm		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.574	112	59411	19.00	ppm		0.02
Spiked Amount 50.000			Recovery =	38.00%			
8) Phenol-d5	4.306	99	76798	20.46	ppm		0.02
Spiked Amount 50.000			Recovery =	40.92%			
25) Nitrobenzene-d5	4.936	82	91423	32.78	ppm		0.00
Spiked Amount 50.000			Recovery =	65.56%			
51) 2-Fluorobiphenyl	6.245	172	241787	32.34	ppm		0.00
Spiked Amount 50.000			Recovery =	64.68%			
73) 2,4,6-Tribromophenol	7.730	330	40271	41.55	ppm		0.00
Spiked Amount 50.000			Recovery =	83.10%			
86) Terphenyl-d14	11.716	244	331492	32.29	ppm		0.00
Spiked Amount 50.000			Recovery =	64.58%			
Target Compounds							Qvalue
38) Naphthalene	5.470	128	3592	0.3950	ppm		70
44) 2-Methylnaphthalene	5.973	141	3223m	0.5649	ppm		
45) 1-Methylnaphthalene	6.047	142	4084	0.7051	ppm		74
53) Biphenyl	6.331	154	2013	0.2458	ppm		82
56) Acenaphthylene	6.715	152	93483	10.8892	ppm		97
59) Acenaphthene	6.875	153	13800	2.0496	ppm		93
62) Dibenzofuran	7.052	168	9612	1.0146	ppm		97
66) Fluorene	7.426	166	28365	3.8979	ppm		91
77) Phenanthrene	8.724	178	233751	22.8218	ppm		98
78) Anthracene	8.804	178	104780	10.4346	ppm		97
79) Carbazole	9.098	167	18301	1.9236	ppm		99
81) Fluoranthene	10.855	202	484351	39.9340	ppm		97
85) Pyrene	11.299	202	533918	36.7807	ppm		98
88) Benzo[a]anthracene	13.943	228	295470	21.2592	ppm		99
90) Chrysene	14.018	228	297870	22.9696	ppm		98
94) Benzo[b]fluoranthene	16.294	252	354983	26.4875	ppm		99
95) Benzo[k]fluoranthene	16.342	252	130319	9.9959	ppm		99
96) Benzo[a]pyrene	16.935	252	289915	25.0739	ppm		99
97) Indeno[1,2,3-cd]pyrene	19.034	276	203492	16.3435	ppm		93
99) Dibenz[a,h]anthracene	19.061	278	60450	5.0132	ppm		91

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\EP7624\
Data File : p163381.d
Acq On : 4 Dec 2024 8:02 pm
Operator : anthonyo
Sample : je1300-24 Inst : GCMSP
Misc : op59834,ep7624,30.1,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 05 07:32:14 2024
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Dec 05 05:41:19 2024
Response via : Initial Calibration

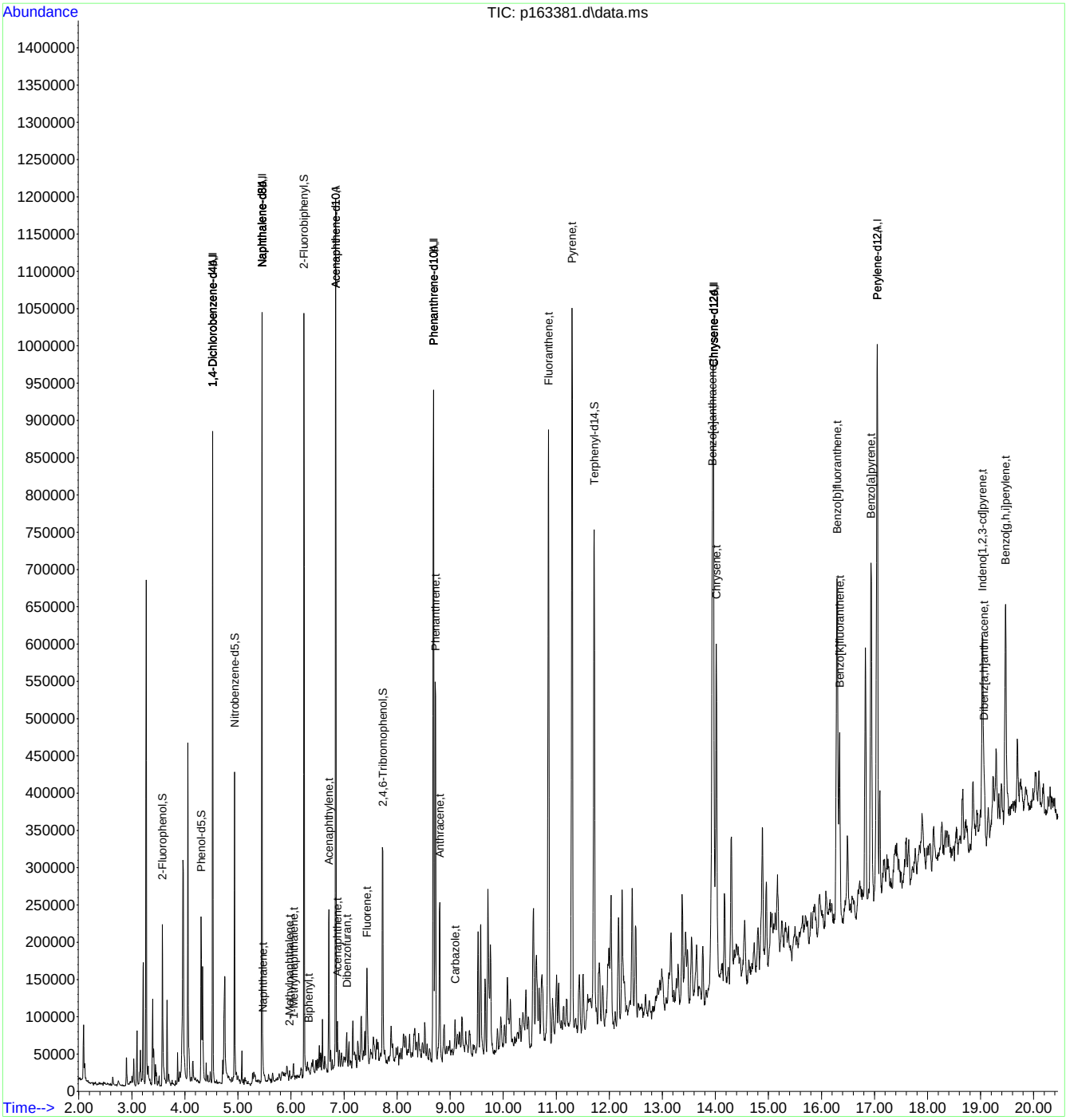
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101) Benzo[g,h,i]perylene	19.467	276	198458	16.3056	ppm	98

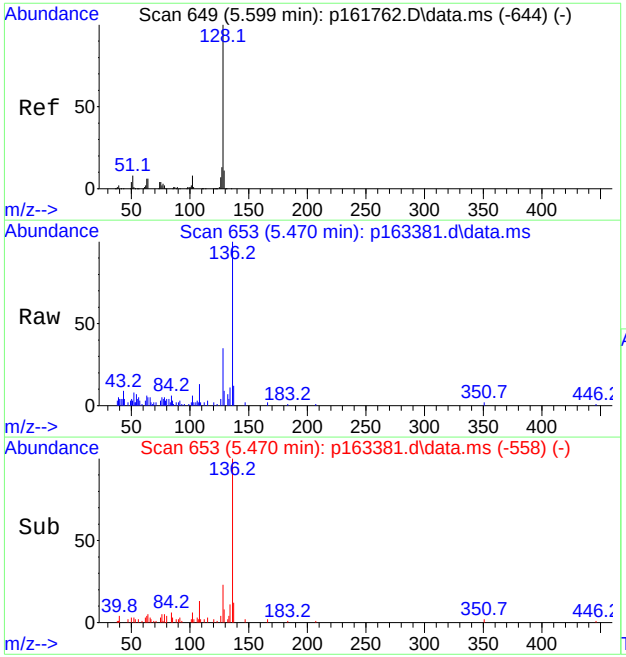
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\EP7624\
Data File : p163381.d
Acq On : 4 Dec 2024 8:02 pm
Operator : anthonyo
Sample : je1300-24 Inst : GCMSP
Misc : op59834,ep7624,30.1,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 05 07:32:14 2024
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Dec 05 05:41:19 2024
Response via : Initial Calibration

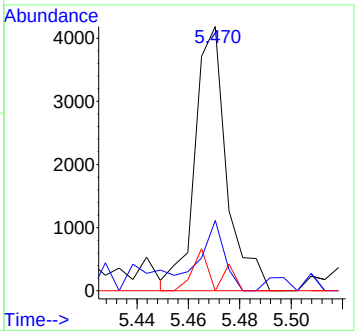


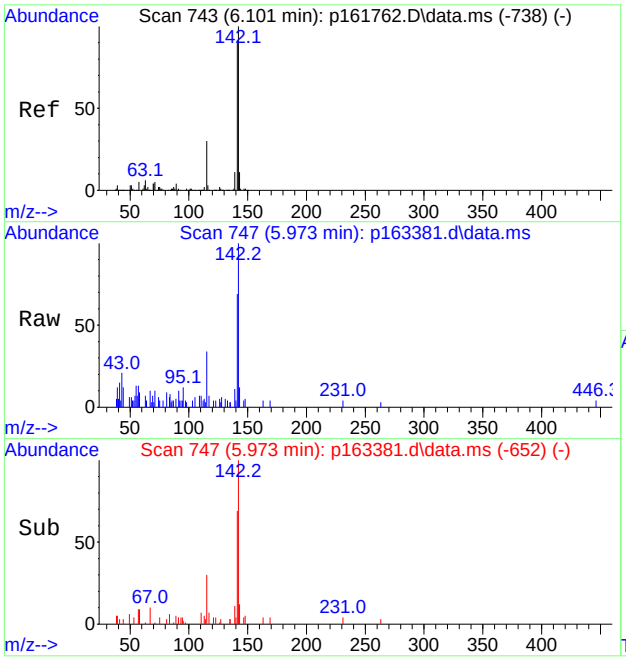


#38
Naphthalene
Concen: 0.3950 ppm
RT: 5.470 min Scan# 653
Delta R.T. 0.005 min
Lab File: p163381.d
Acq: 4 Dec 2024 8:02 pm

Tgt Ion:128 Resp: 3592

Ion	Ratio	Lower	Upper
128	100		
129	20.6	0.0	42.3
127	0.0	0.0	45.4

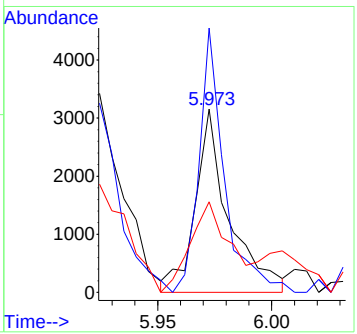


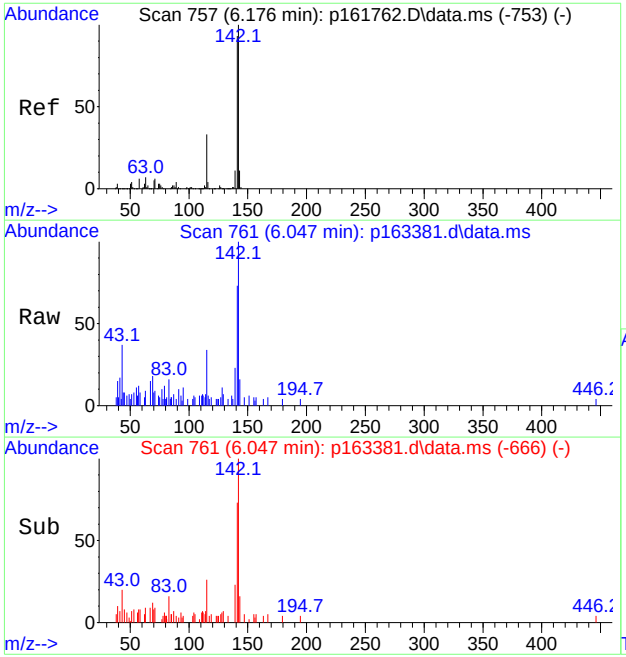


#44
2-Methylnaphthalene
Concen: 0.5649 ppm m
RT: 5.973 min Scan# 747
Delta R.T. 0.005 min
Lab File: p163381.d
Acq: 4 Dec 2024 8:02 pm

Tgt Ion:141 Resp: 3223

Ion	Ratio	Lower	Upper
141	100		
142	144.3	78.1	138.1#
115	49.3	9.4	69.4

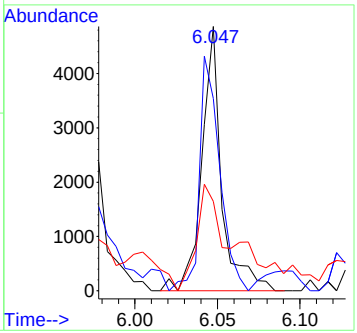


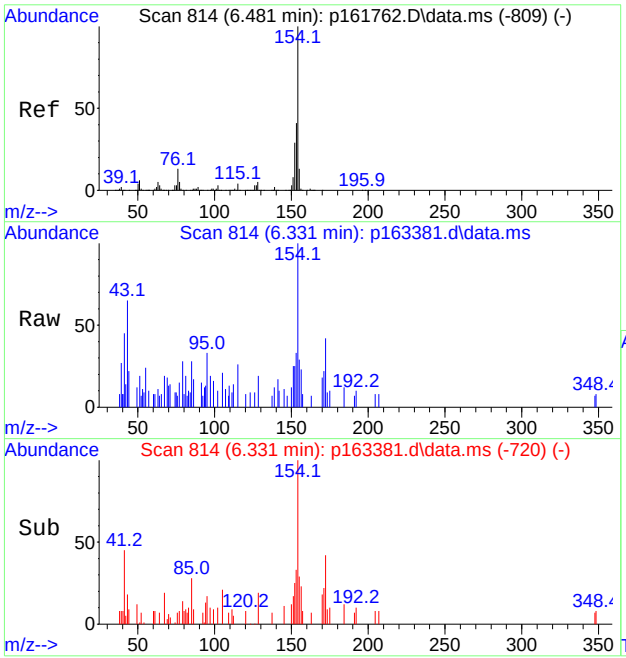


#45
1-Methylnaphthalene
Concen: 0.7051 ppm
RT: 6.047 min Scan# 761
Delta R.T. 0.005 min
Lab File: p163381.d
Acq: 4 Dec 2024 8:02 pm

Tgt Ion:142 Resp: 4084

Ion	Ratio	Lower	Upper
142	100		
141	65.2	62.7	122.7
115	26.5	6.9	66.9

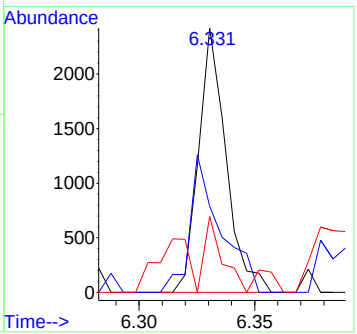


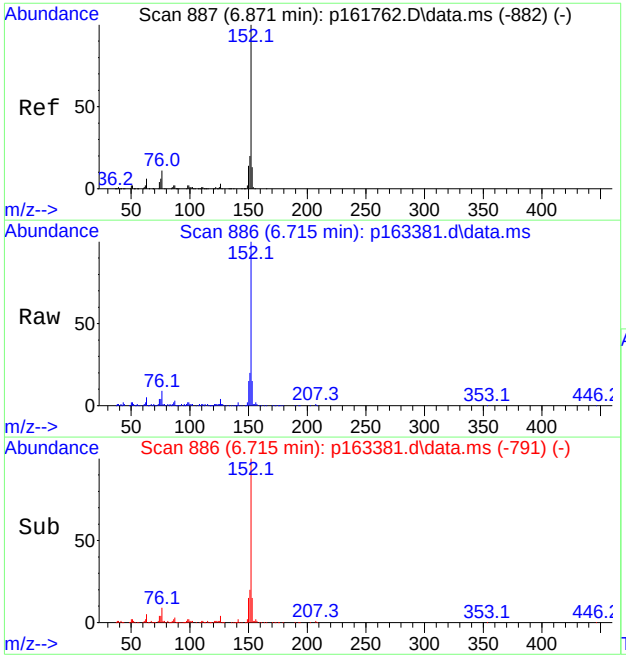


#53
Biphenyl
Concen: 0.2458 ppm
RT: 6.331 min Scan# 814
Delta R.T. 0.000 min
Lab File: p163381.d
Acq: 4 Dec 2024 8:02 pm

Tgt Ion:154 Resp: 2013

Ion	Ratio	Lower	Upper
154	100		
153	32.5	12.8	72.8
155	23.1	0.0	43.8

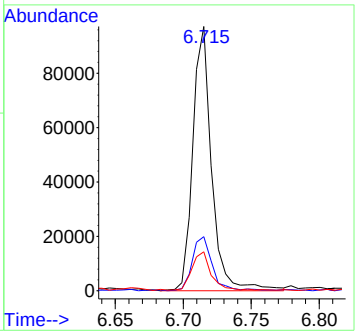


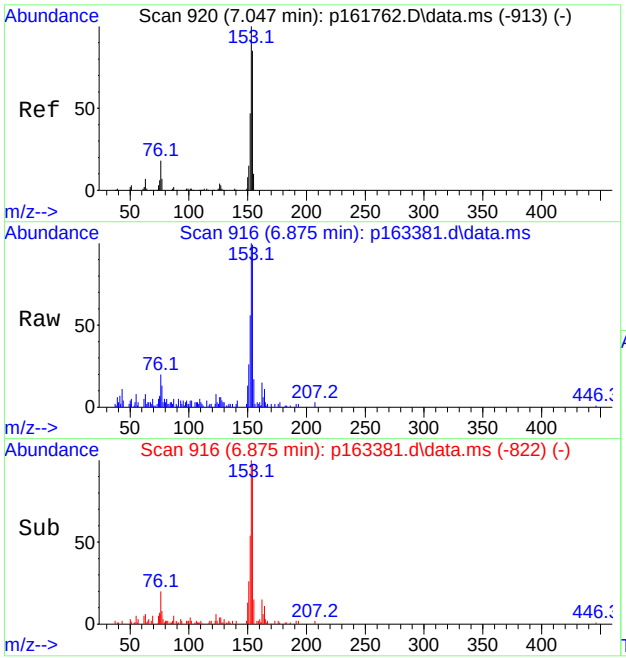


#56
Acenaphthylene
Concen: 10.8892 ppm
RT: 6.715 min Scan# 886
Delta R.T. 0.005 min
Lab File: p163381.d
Acq: 4 Dec 2024 8:02 pm

Tgt Ion:152 Resp: 93483

Ion	Ratio	Lower	Upper
152	100		
151	20.2	0.0	52.4
153	14.3	0.0	44.7

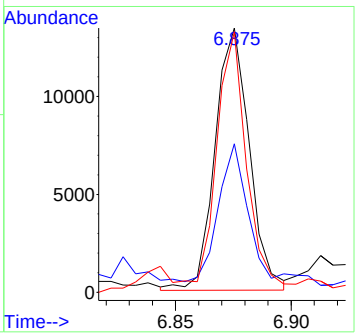


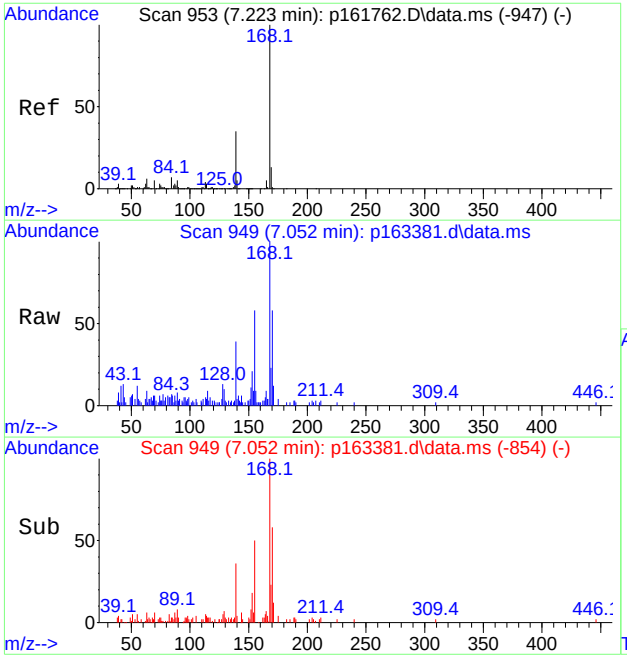


#59
Acenaphthene
Concen: 2.0496 ppm
RT: 6.875 min Scan# 916
Delta R.T. 0.000 min
Lab File: p163381.d
Acq: 4 Dec 2024 8:02 pm

Tgt Ion:153 Resp: 13800

Ion	Ratio	Lower	Upper
153	100		
152	52.1	19.1	79.1
154	92.1	55.0	115.0

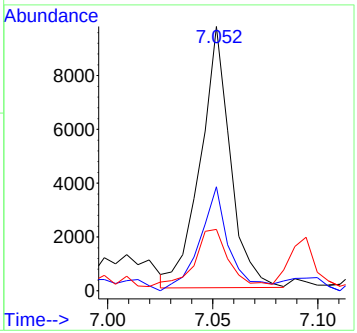


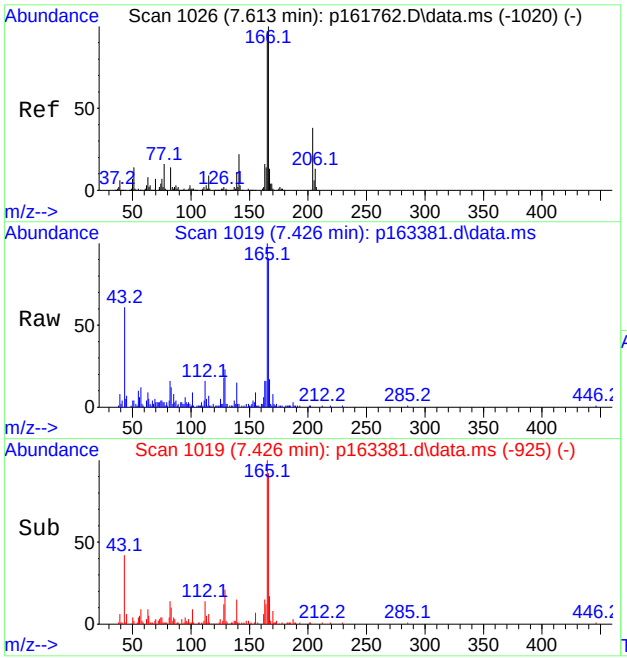


#62
Dibenzofuran
Concen: 1.0146 ppm
RT: 7.052 min Scan# 949
Delta R.T. 0.005 min
Lab File: p163381.d
Acq: 4 Dec 2024 8:02 pm

Tgt Ion:168 Resp: 9612

Ion	Ratio	Lower	Upper
168	100		
139	39.0	9.4	69.4
169	18.4	0.0	44.5

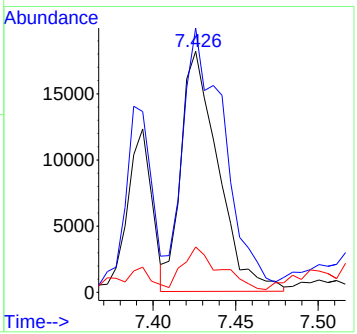


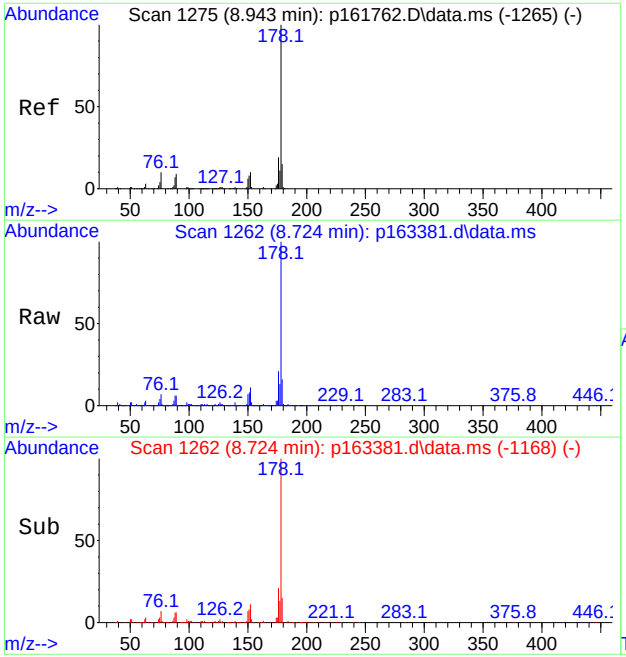


#66
Fluorene
Concen: 3.8979 ppm
RT: 7.426 min Scan# 1019
Delta R.T. 0.000 min
Lab File: p163381.d
Acq: 4 Dec 2024 8:02 pm

Tgt Ion:166 Resp: 28365

Ion	Ratio	Lower	Upper
166	100		
165	106.4	66.7	126.7
167	16.3	0.0	44.5

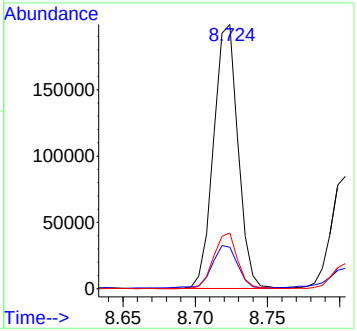


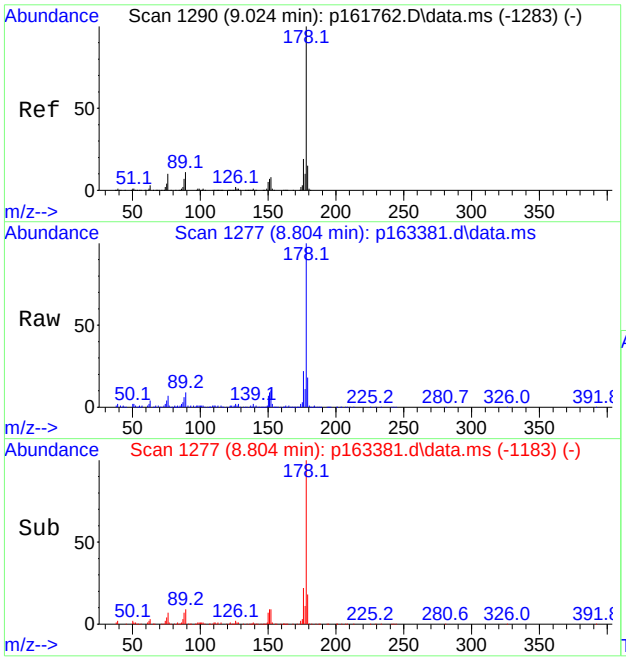


#77
Phenanthrene
Concen: 22.8218 ppm
RT: 8.724 min Scan# 1262
Delta R.T. 0.000 min
Lab File: p163381.d
Acq: 4 Dec 2024 8:02 pm

Tgt Ion:178 Resp: 233751

Ion	Ratio	Lower	Upper
178	100		
179	15.3	0.0	46.7
176	21.1	0.0	51.0

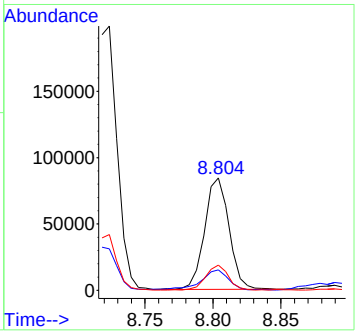


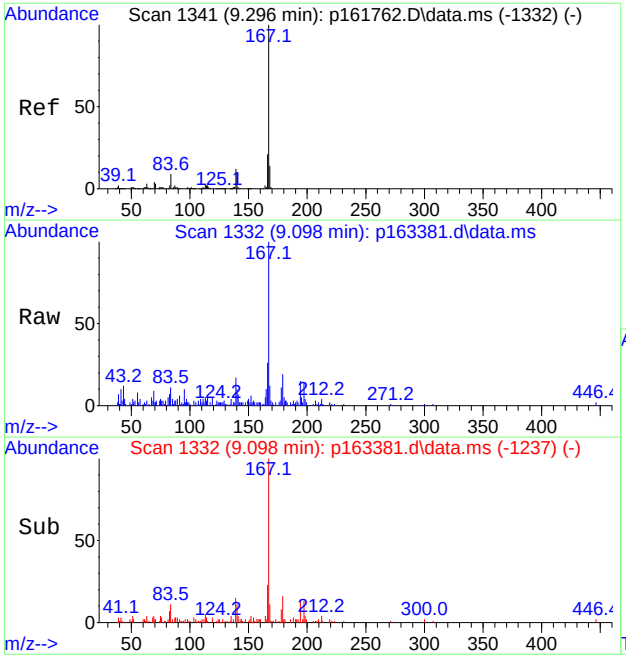


#78
Anthracene
Concen: 10.4346 ppm
RT: 8.804 min Scan# 1277
Delta R.T. 0.000 min
Lab File: p163381.d
Acq: 4 Dec 2024 8:02 pm

Tgt Ion:178 Resp: 104780

Ion	Ratio	Lower	Upper
178	100		
179	17.6	0.0	46.6
176	22.2	0.0	50.2

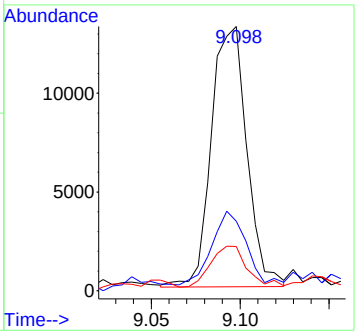


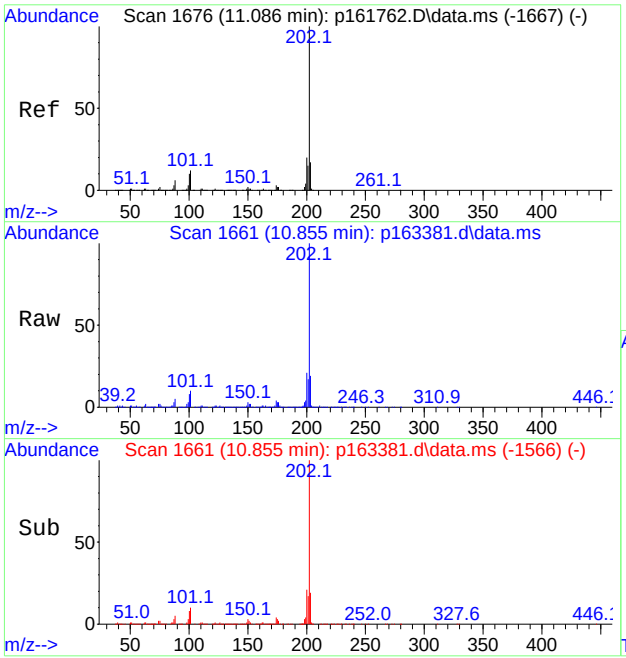


#79
Carbazole
Concen: 1.9236 ppm
RT: 9.098 min Scan# 1332
Delta R.T. 0.005 min
Lab File: p163381.d
Acq: 4 Dec 2024 8:02 pm

Tgt Ion:167 Resp: 18301

Ion	Ratio	Lower	Upper
167	100		
166	24.2	0.0	54.3
139	14.2	0.0	44.6

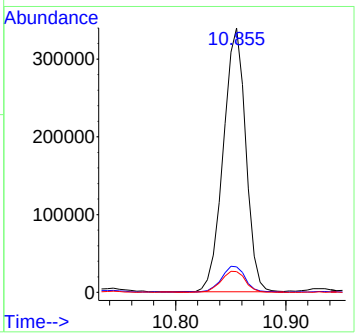


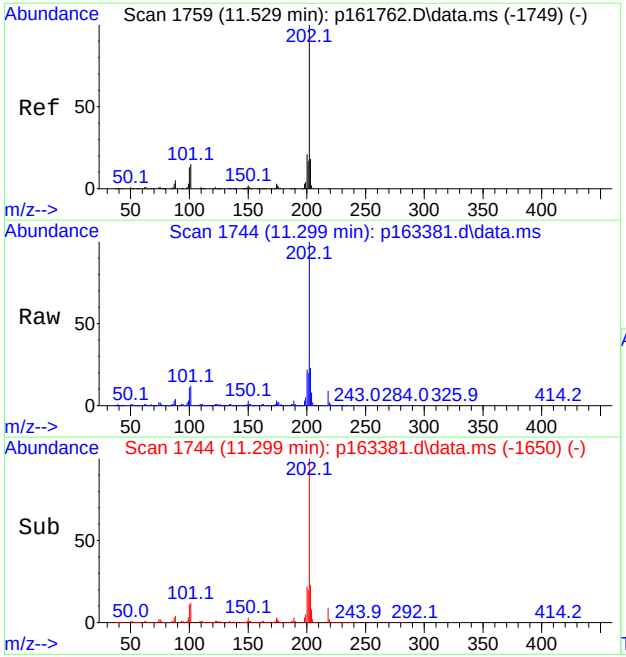


#81
Fluoranthene
Concen: 39.9340 ppm
RT: 10.855 min Scan# 1661
Delta R.T. 0.005 min
Lab File: p163381.d
Acq: 4 Dec 2024 8:02 pm

Tgt Ion:202 Resp: 484351

Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	40.8
100	7.8	0.0	38.6

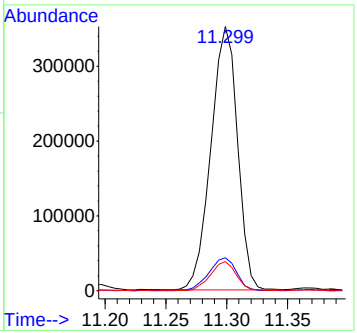


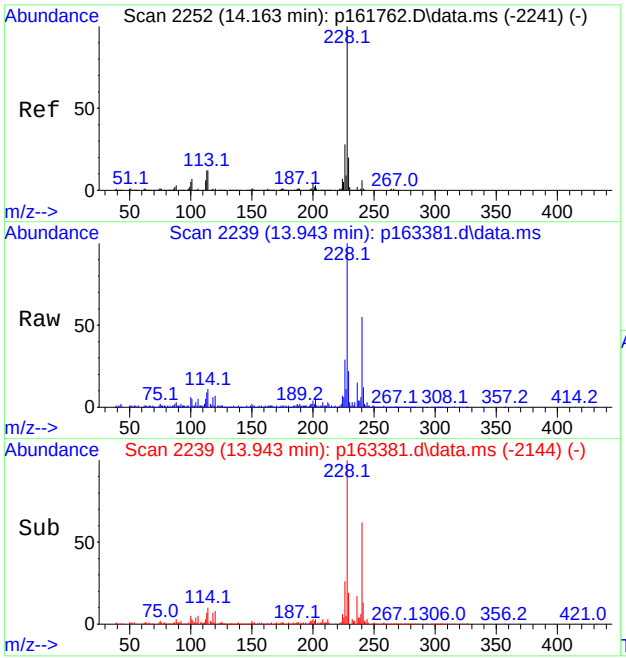


#85
Pyrene
Concen: 36.7807 ppm
RT: 11.299 min Scan# 1744
Delta R.T. 0.000 min
Lab File: p163381.d
Acq: 4 Dec 2024 8:02 pm

Tgt Ion:202 Resp: 533918

Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	42.2
100	11.0	0.0	39.3

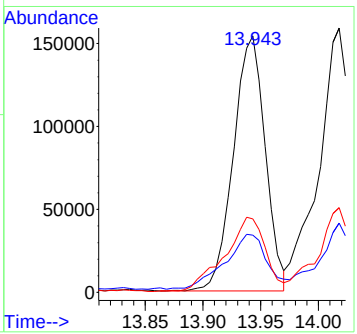


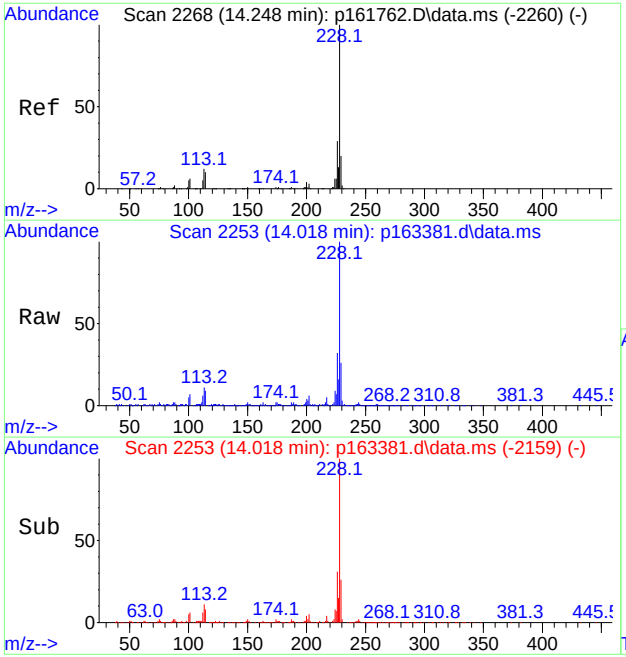


#88
Benzo[a]anthracene
Concen: 21.2592 ppm
RT: 13.943 min Scan# 2239
Delta R.T. 0.005 min
Lab File: p163381.d
Acq: 4 Dec 2024 8:02 pm

Tgt Ion:228 Resp: 295470

Ion	Ratio	Lower	Upper
228	100		
229	19.7	0.0	50.4
226	27.8	0.0	57.8

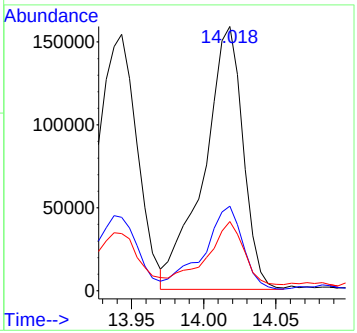


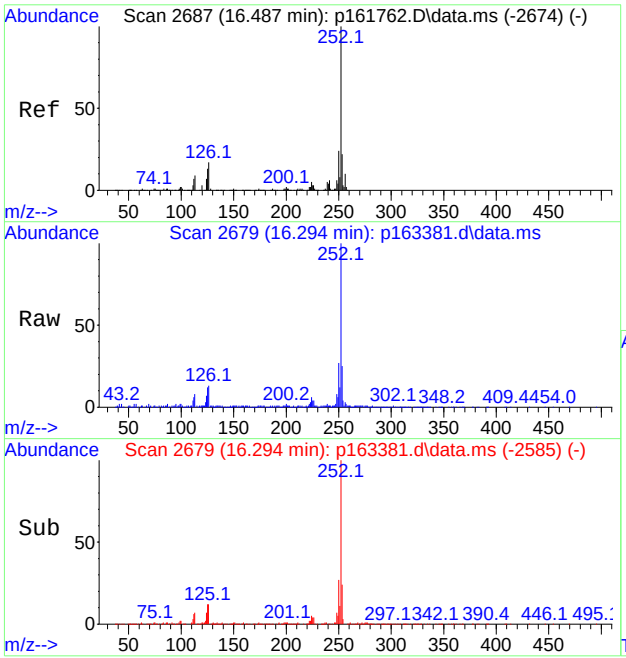


#90
Chrysene
Concen: 22.9696 ppm
RT: 14.018 min Scan# 2253
Delta R.T. 0.000 min
Lab File: p163381.d
Acq: 4 Dec 2024 8:02 pm

Tgt Ion:228 Resp: 297870

Ion	Ratio	Lower	Upper
228	100		
226	31.3	1.3	61.3
229	23.6	0.0	51.0

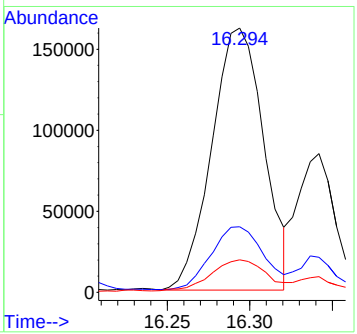


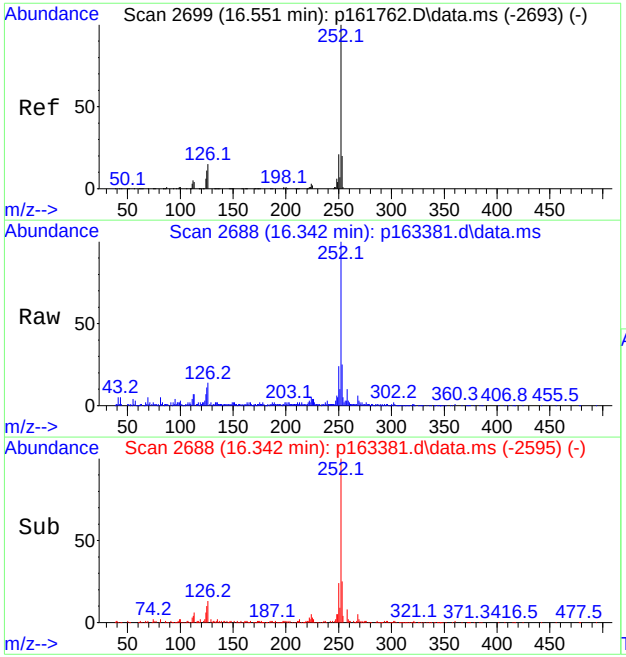


#94
Benzo[b]fluoranthene
Concen: 26.4875 ppm
RT: 16.294 min Scan# 2679
Delta R.T. 0.000 min
Lab File: p163381.d
Acq: 4 Dec 2024 8:02 pm

Tgt Ion:252 Resp: 354983

Ion	Ratio	Lower	Upper
252	100		
253	24.0	0.0	53.6
125	11.6	0.0	41.1

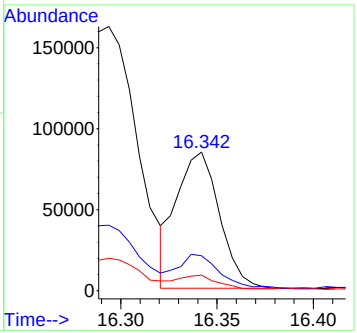


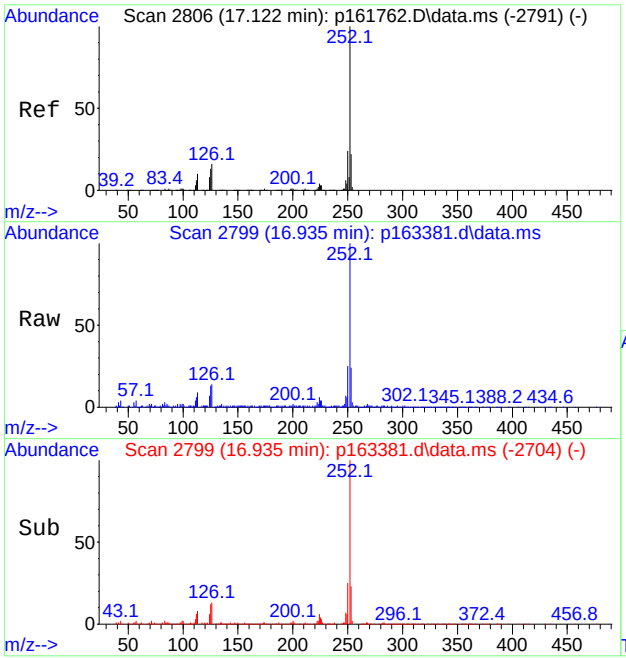


#95
Benzo[k]fluoranthene
Concen: 9.9959 ppm
RT: 16.342 min Scan# 2688
Delta R.T. -0.005 min
Lab File: p163381.d
Acq: 4 Dec 2024 8:02 pm

Tgt Ion:252 Resp: 130319

Ion	Ratio	Lower	Upper
252	100		
253	23.9	0.0	53.9
125	9.0	0.0	40.0

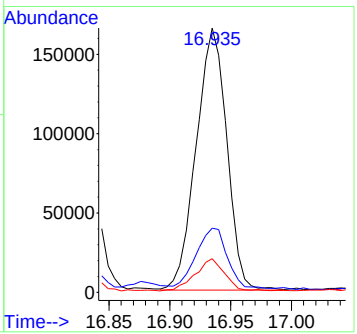


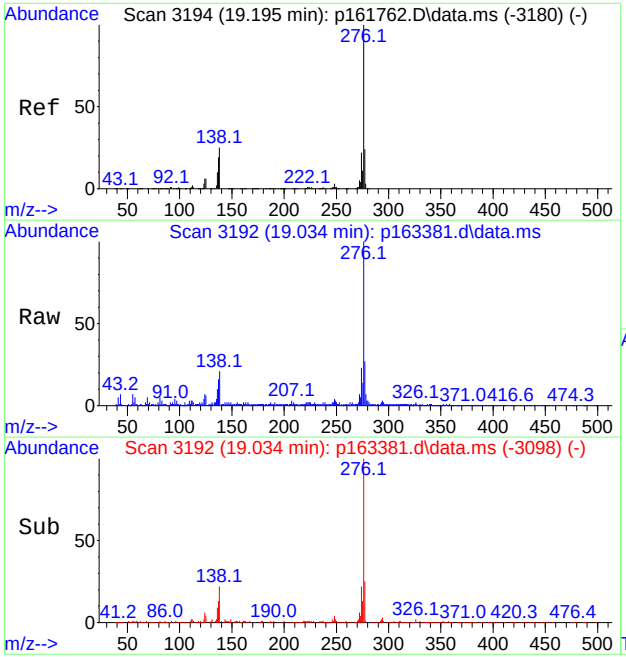


#96
Benzo[a]pyrene
Concen: 25.0739 ppm
RT: 16.935 min Scan# 2799
Delta R.T. 0.005 min
Lab File: p163381.d
Acq: 4 Dec 2024 8:02 pm

Tgt Ion:252 Resp: 289915

Ion	Ratio	Lower	Upper
252	100		
253	22.3	0.0	53.3
125	12.3	0.0	42.3

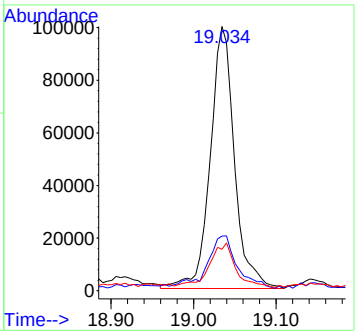


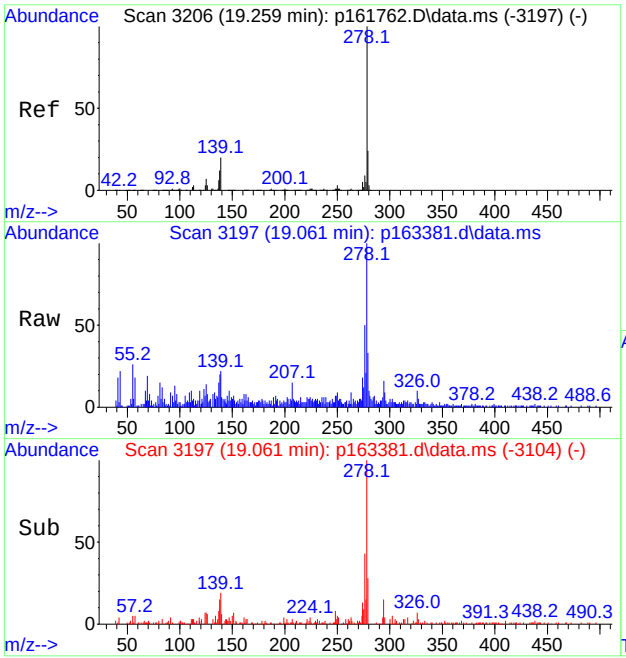


#97
Indeno[1,2,3-cd]pyrene
Concen: 16.3435 ppm
RT: 19.034 min Scan# 3192
Delta R.T. 0.000 min
Lab File: p163381.d
Acq: 4 Dec 2024 8:02 pm

Tgt Ion:276 Resp: 203492

Ion	Ratio	Lower	Upper
276	100		
138	19.5	0.0	44.6
137	14.0	0.0	45.0

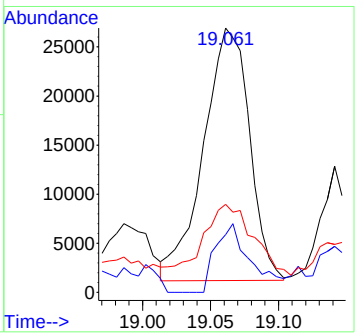


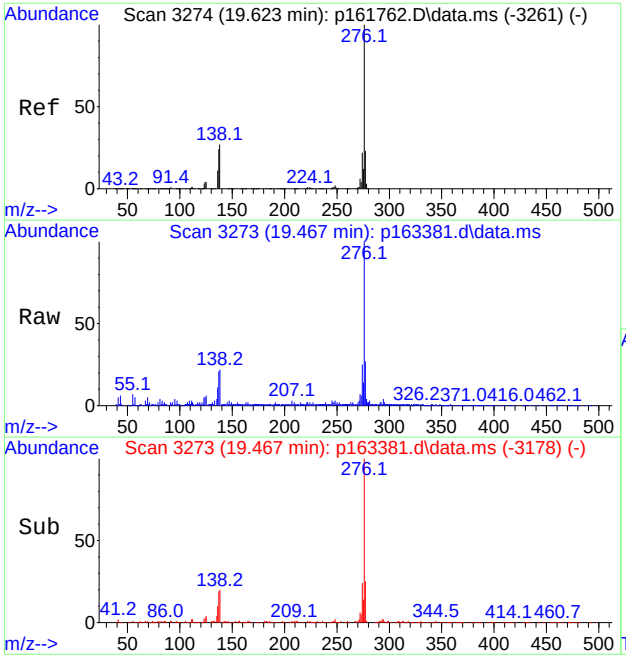


#99
Dibenz[a,h]anthracene
Concen: 5.0132 ppm
RT: 19.061 min Scan# 3197
Delta R.T. -0.005 min
Lab File: p163381.d
Acq: 4 Dec 2024 8:02 pm

Tgt Ion:278 Resp: 60450

Ion	Ratio	Lower	Upper
278	100		
139	24.2	0.0	46.6
279	26.5	0.0	54.9

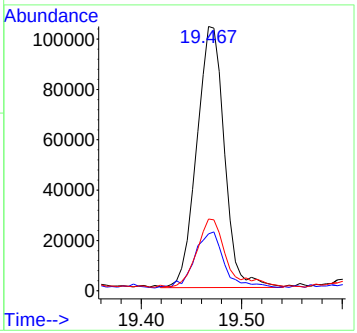




#101
Benzo[g,h,i]perylene
Concen: 16.3056 ppm
RT: 19.467 min Scan# 3273
Delta R.T. 0.005 min
Lab File: p163381.d
Acq: 4 Dec 2024 8:02 pm

Tgt Ion:276 Resp: 198458

Ion	Ratio	Lower	Upper
276	100		
138	20.2	0.0	52.1
277	25.6	0.0	55.6



Manual Integrations APPROVED (compounds with "m" flag)
Jon Kreigmor Mamanta 12/11/24 03:37

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\e4p3706\
Data File : 4p694251.d
Acq On : 10 Dec 2024 7:26 pm
Operator : kaleigh
Sample : je1300-25a Inst : GCMS4P
Misc : op59834,e4p3706,30.4,,,1,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 11 04:25:28 2024
Quant Method : X:\Dayton SVOA GCMS\michaell\e4p3706\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Wed Dec 11 00:48:48 2024
Response via : Initial Calibration

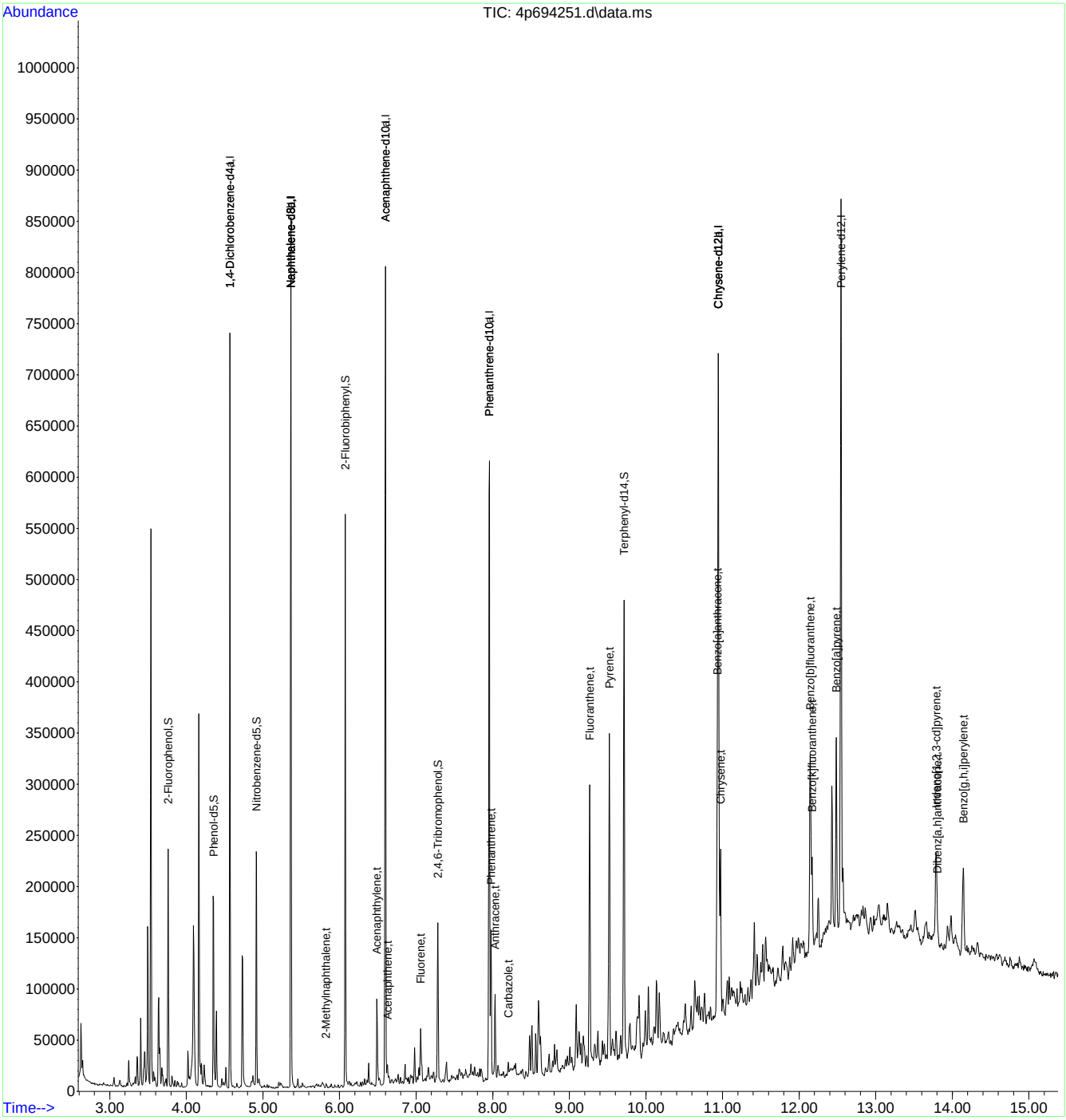
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	74601	40.00	ppm	0.00
24) Naphthalene-d8	5.365	136	260047	40.00	ppm	0.00
46) Acenaphthene-d10	6.599	164	138335	40.00	ppm	0.00
69) Phenanthrene-d10	7.956	188	218676	40.00	ppm	0.00
84) Chrysene-d12	10.943	240	226872	40.00	ppm	0.00
93) Perylene-d12	12.545	264	255628	40.00	ppm	0.00
103) 1,4-Dichlorobenzene-d4a	4.569	152	74601	40.00	ppm	0.00
105) Acenaphthene-d10a	6.599	164	138335	40.00	ppm	0.00
107) Chrysene-d12a	10.943	240	226872	40.00	ppm	0.00
109) Phenanthrene-d10a	7.956	188	218676	40.00	ppm	0.00
111) Naphthalene-d8a	5.365	136	260047	40.00	ppm	0.00
113) Chrysene-d12b	10.943	240	226872	40.00	ppm	0.00
115) Naphthalene-d8b	5.365	136	260047	40.00	ppm	0.00
118) Naphthalene-d8c	5.365	136	260047	40.00	ppm	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.763	112	43131	21.03	ppm	0.02
Spiked Amount 50.000			Recovery = 42.06%			
8) Phenol-d5	4.356	99	50437	18.70	ppm	0.02
Spiked Amount 50.000			Recovery = 37.40%			
25) Nitrobenzene-d5	4.917	82	58191	25.26	ppm	0.00
Spiked Amount 50.000			Recovery = 50.52%			
51) 2-Fluorobiphenyl	6.076	172	130601	27.73	ppm	0.00
Spiked Amount 50.000			Recovery = 55.46%			
74) 2,4,6-Tribromophenol	7.283	330	12400	22.51	ppm	0.00
Spiked Amount 50.000			Recovery = 45.02%			
87) Terphenyl-d14	9.714	244	137254	24.32	ppm	0.00
Spiked Amount 50.000			Recovery = 48.64%			
108) 1-chlorooctadecane	0.000	57	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
110) o-terphenyl	0.000	230	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
44) 2-Methylnaphthalene	5.825	141	860m	0.2089	ppm	
56) Acenaphthylene	6.487	152	33574	5.9535	ppm	100
59) Acenaphthene	6.626	153	4223	0.9800	ppm	94
66) Fluorene	7.059	166	6210	1.3305	ppm	98
78) Phenanthrene	7.978	178	47379	7.7408	ppm	99
79) Anthracene	8.031	178	29496	4.9022	ppm	98
80) Carbazole	8.202	167	4445	0.8044	ppm	91
82) Fluoranthene	9.265	202	102522	15.4455	ppm	98
86) Pyrene	9.522	202	118998	14.9074	ppm	100
89) Benzo[a]anthracene	10.932	228	70184	9.5147	ppm	84
91) Chrysene	10.975	228	70189	9.8694	ppm	98
95) Benzo[b]fluoranthene	12.145	252	90849m	11.4814	ppm	
96) Benzo[k]fluoranthene	12.171	252	32292m	4.3040	ppm	
97) Benzo[a]pyrene	12.486	252	73660	11.0111	ppm	98
98) Indeno[1,2,3-cd]pyrene	13.790	276	48222	5.4136	ppm	97
100) Dibenz[a,h]anthracene	13.806	278	12280	1.6999	ppm	93
102) Benzo[g,h,i]perylene	14.143	276	50107	7.4297	ppm	100

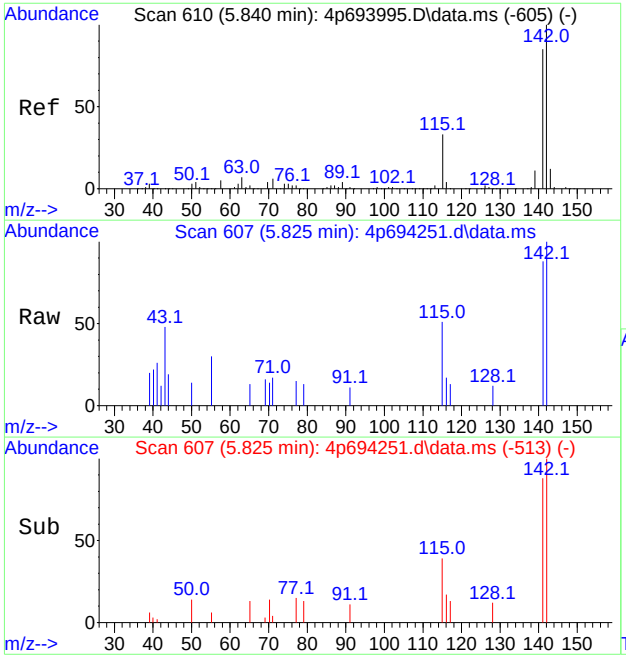
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\e4p3706\
Data File : 4p694251.d
Acq On : 10 Dec 2024 7:26 pm
Operator : kaleigh
Sample : je1300-25a Inst : GCMS4P
Misc : op59834,e4p3706,30.4,,,1,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 11 04:25:28 2024
Quant Method : X:\Dayton SVOA GCMS\michaell\e4p3706\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Wed Dec 11 00:48:48 2024
Response via : Initial Calibration

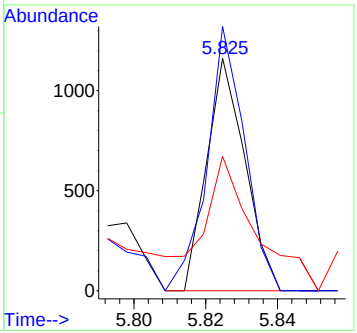


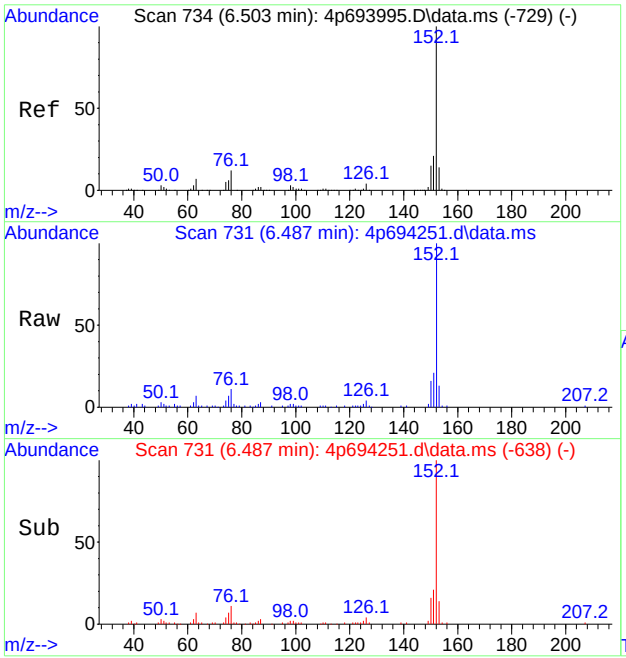


#44
2-Methylnaphthalene
Concen: 0.2089 ppm m
RT: 5.825 min Scan# 607
Delta R.T. 0.000 min
Lab File: 4p694251.d
Acq: 10 Dec 2024 7:26 pm

Tgt Ion:141 Resp: 860

Ion	Ratio	Lower	Upper
141	100		
142	113.7	85.6	145.6
115	57.8	9.3	69.3

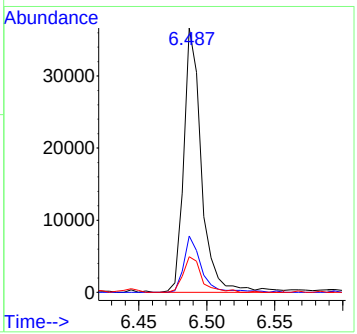


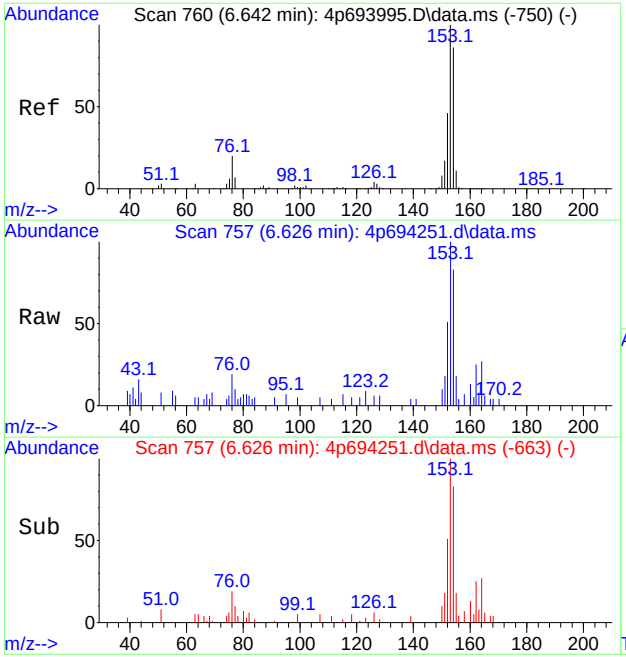


#56
Acenaphthylene
Concen: 5.9535 ppm
RT: 6.487 min Scan# 731
Delta R.T. -0.005 min
Lab File: 4p694251.d
Acq: 10 Dec 2024 7:26 pm

Tgt Ion:152 Resp: 33574

Ion	Ratio	Lower	Upper
152	100		
151	21.4	0.0	51.4
153	13.5	0.0	43.4

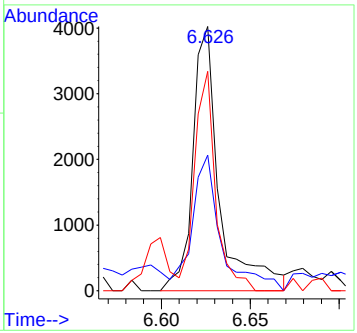


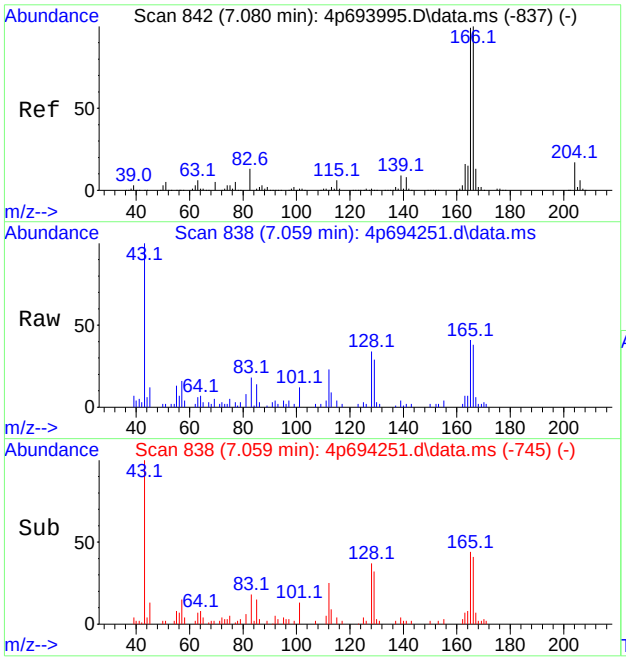


#59
Acenaphthene
Concen: 0.9800 ppm
RT: 6.626 min Scan# 757
Delta R.T. 0.000 min
Lab File: 4p694251.d
Acq: 10 Dec 2024 7:26 pm

Tgt Ion:153 Resp: 4223

Ion	Ratio	Lower	Upper
153	100		
152	49.2	17.7	77.7
154	75.1	52.1	112.1

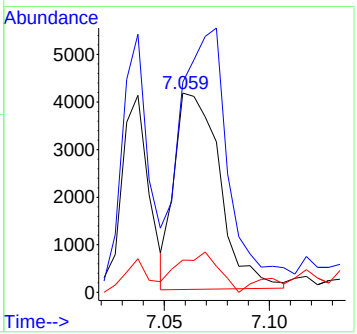


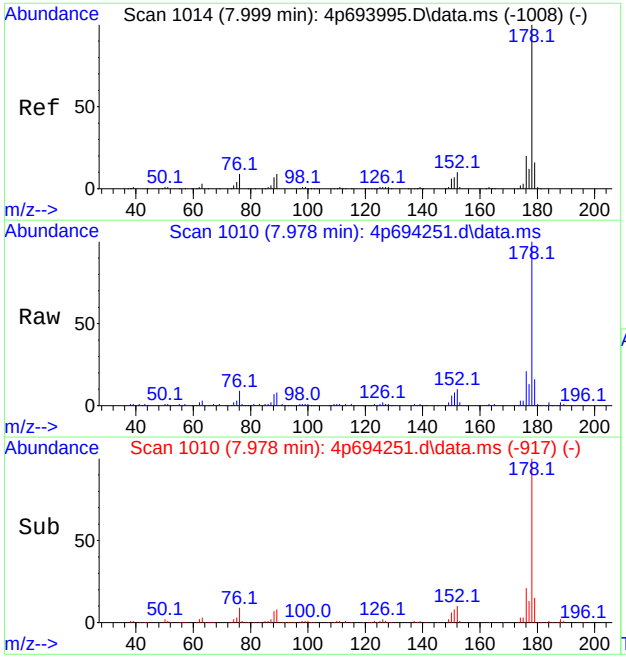


#66
Fluorene
Concen: 1.3305 ppm
RT: 7.059 min Scan# 838
Delta R.T. -0.005 min
Lab File: 4p694251.d
Acq: 10 Dec 2024 7:26 pm

Tgt Ion:166 Resp: 6210

Ion	Ratio	Lower	Upper
166	100		
165	94.9	67.1	127.1
167	13.0	0.0	43.1

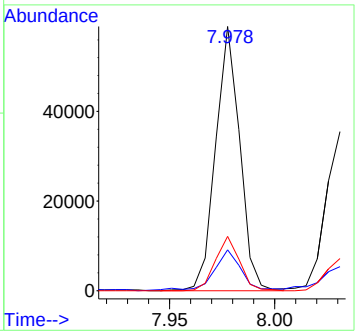


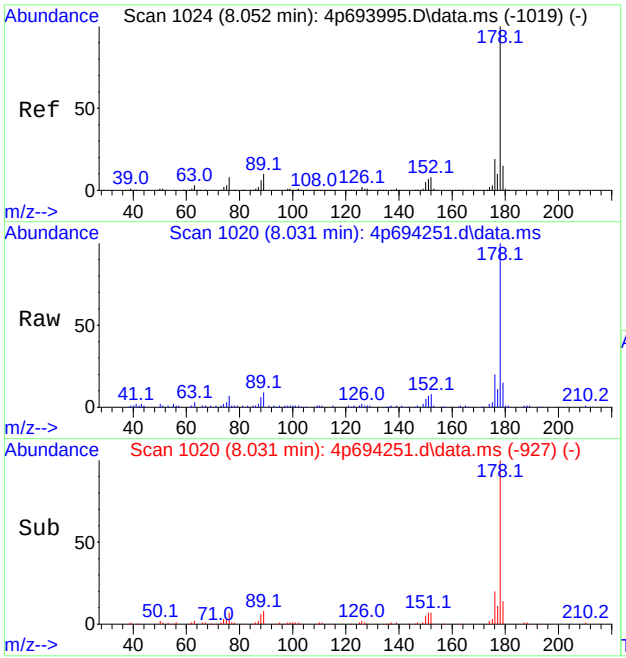


#78
Phenanthrene
Concen: 7.7408 ppm
RT: 7.978 min Scan# 1010
Delta R.T. -0.005 min
Lab File: 4p694251.d
Acq: 10 Dec 2024 7:26 pm

Tgt Ion:178 Resp: 47379

Ion	Ratio	Lower	Upper
178	100		
179	15.0	0.0	45.5
176	20.7	0.0	49.9

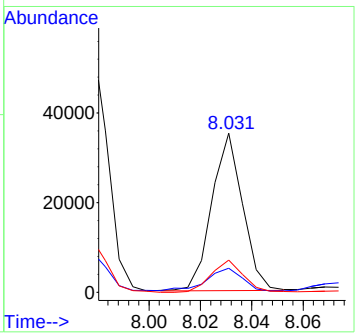


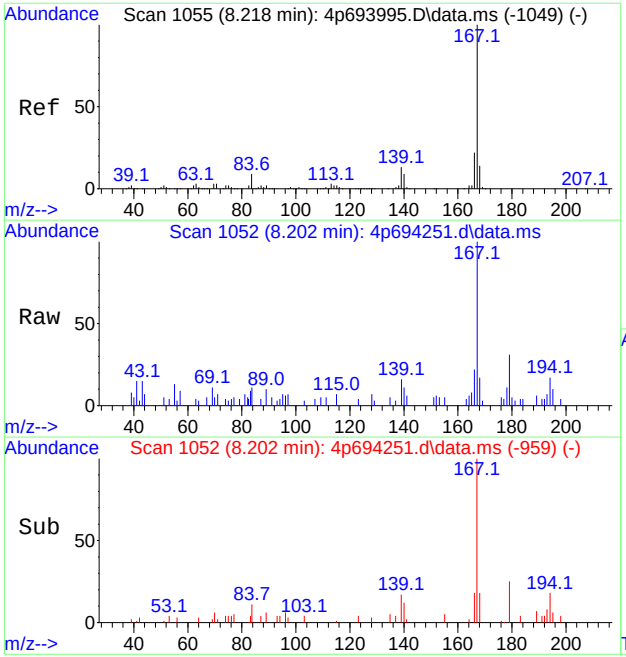


#79
Anthracene
Concen: 4.9022 ppm
RT: 8.031 min Scan# 1020
Delta R.T. -0.005 min
Lab File: 4p694251.d
Acq: 10 Dec 2024 7:26 pm

Tgt Ion:178 Resp: 29496

Ion	Ratio	Lower	Upper
178	100		
179	14.4	0.0	45.7
176	20.4	0.0	50.1

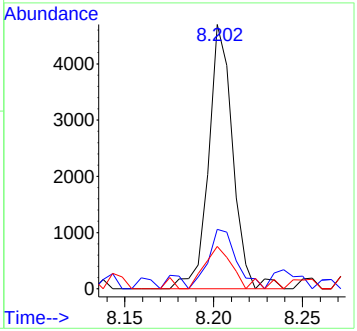


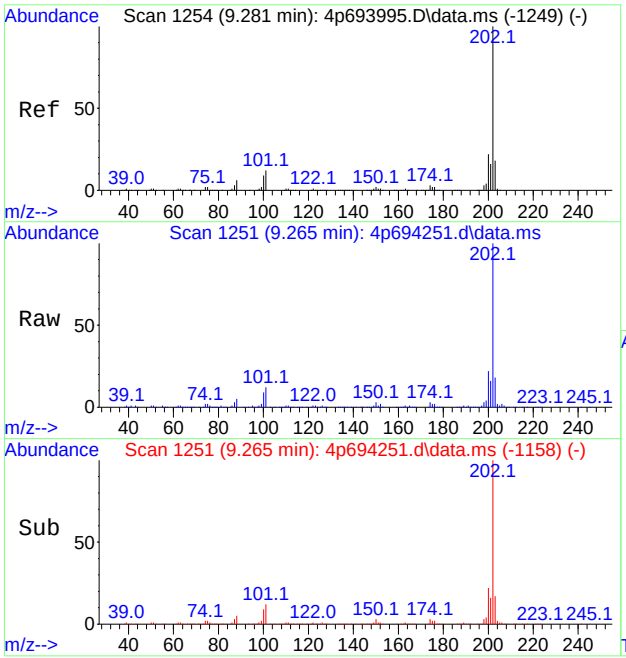


#80
Carbazole
Concen: 0.8044 ppm
RT: 8.202 min Scan# 1052
Delta R.T. -0.005 min
Lab File: 4p694251.d
Acq: 10 Dec 2024 7:26 pm

Tgt Ion:167 Resp: 4445

Ion	Ratio	Lower	Upper
167	100		
166	18.8	0.0	53.0
139	16.1	0.0	42.5

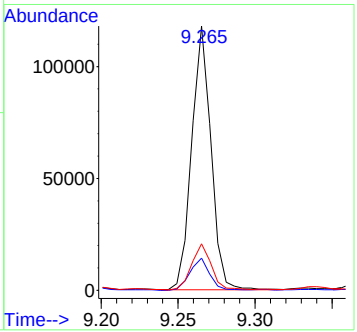


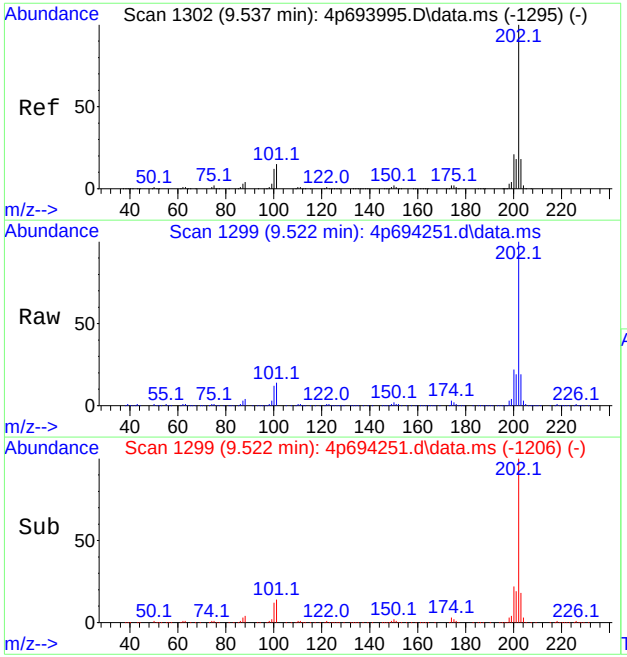


#82
Fluoranthene
Concen: 15.4455 ppm
RT: 9.265 min Scan# 1251
Delta R.T. -0.005 min
Lab File: 4p694251.d
Acq: 10 Dec 2024 7:26 pm

Tgt Ion:202 Resp: 102522

Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	41.0
203	17.3	0.0	48.1

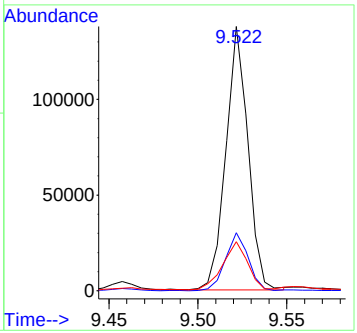


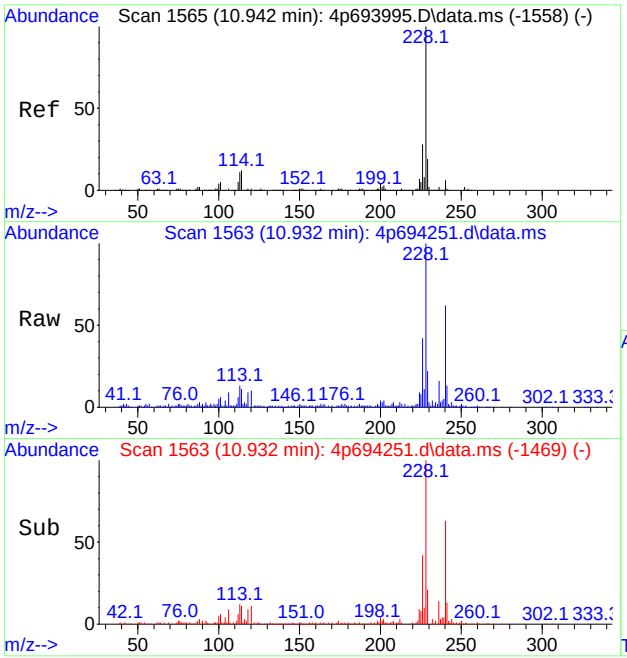


#86
Pyrene
Concen: 14.9074 ppm
RT: 9.522 min Scan# 1299
Delta R.T. -0.005 min
Lab File: 4p694251.d
Acq: 10 Dec 2024 7:26 pm

Tgt Ion:202 Resp: 118998

Ion	Ratio	Lower	Upper
202	100		
200	22.0	0.0	52.2
203	17.8	0.0	47.8

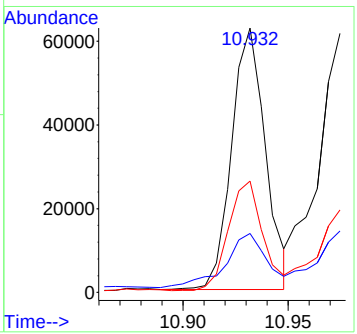


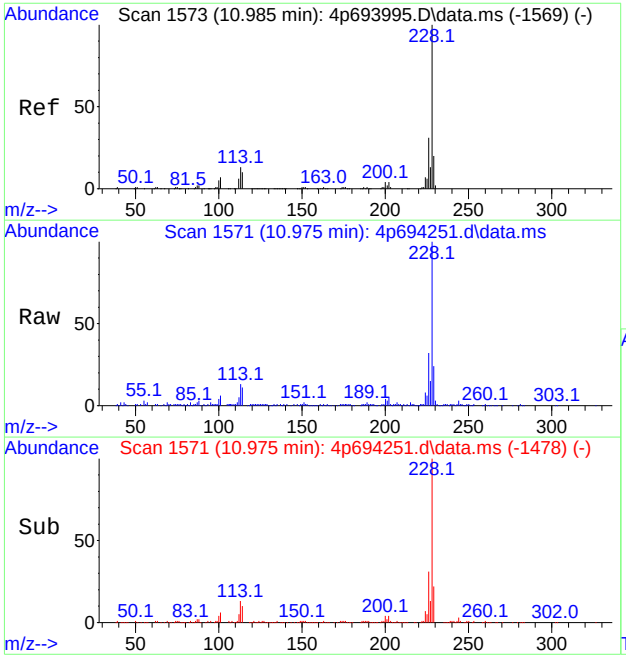


#89
Benzo[a]anthracene
Concen: 9.5147 ppm
RT: 10.932 min Scan# 1563
Delta R.T. 0.000 min
Lab File: 4p694251.d
Acq: 10 Dec 2024 7:26 pm

Tgt Ion:228 Resp: 70184

Ion	Ratio	Lower	Upper
228	100		
229	20.1	0.0	49.4
226	42.1	0.0	58.6

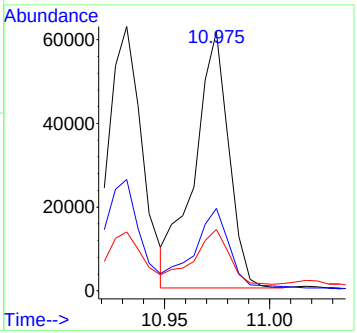


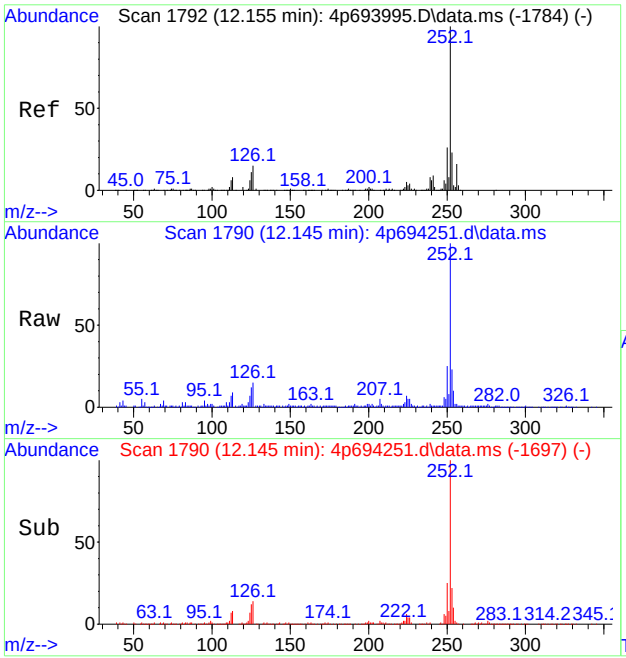


#91
Chrysene
Concen: 9.8694 ppm
RT: 10.975 min Scan# 1571
Delta R.T. -0.005 min
Lab File: 4p694251.d
Acq: 10 Dec 2024 7:26 pm

Tgt Ion:228 Resp: 70189

Ion	Ratio	Lower	Upper
228	100		
226	30.5	1.4	61.4
229	21.2	0.0	49.8

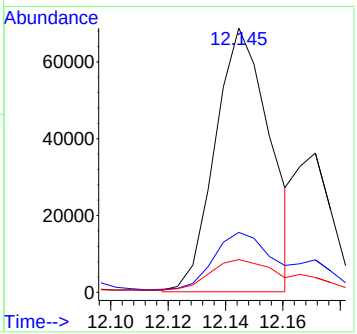


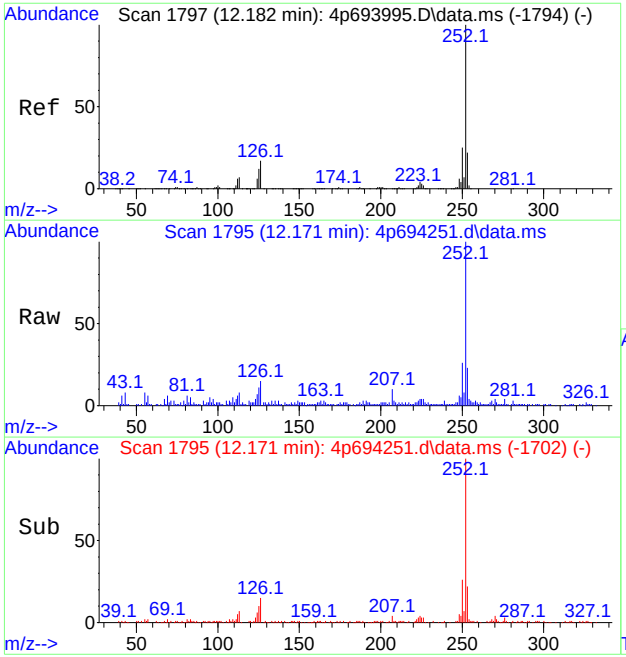


#95
Benzo[b]fluoranthene
Concen: 11.4814 ppm m
RT: 12.145 min Scan# 1790
Delta R.T. -0.005 min
Lab File: 4p694251.d
Acq: 10 Dec 2024 7:26 pm

Tgt Ion:252 Resp: 90849

Ion	Ratio	Lower	Upper
252	100		
253	22.7	0.0	52.4
125	12.4	0.0	42.1

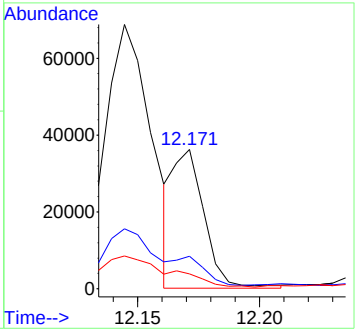


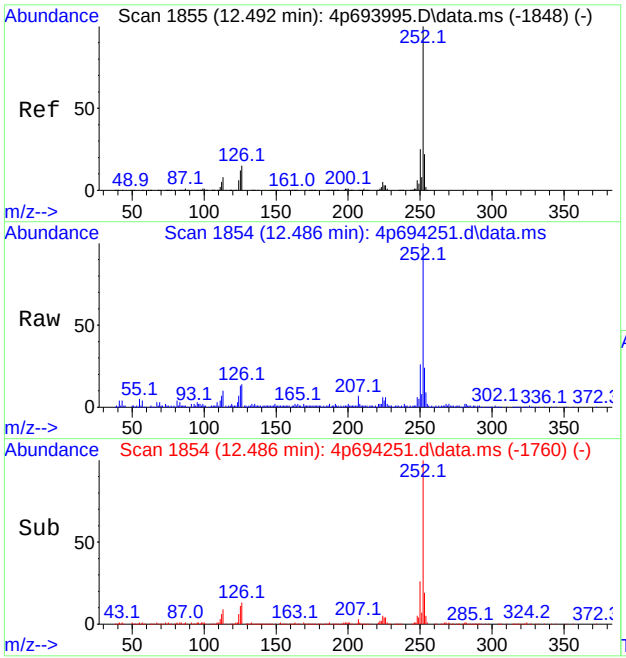


#96
Benzo[k]fluoranthene
Concen: 4.3040 ppm m
RT: 12.171 min Scan# 1795
Delta R.T. -0.005 min
Lab File: 4p694251.d
Acq: 10 Dec 2024 7:26 pm

Tgt Ion:252 Resp: 32292

Ion	Ratio	Lower	Upper
252	100		
253	23.4	0.0	52.3
125	10.6	0.0	41.8

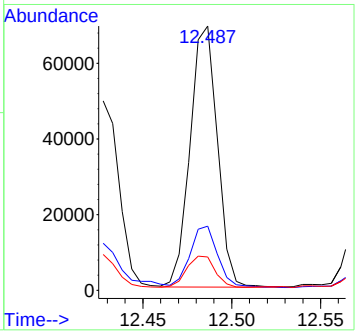


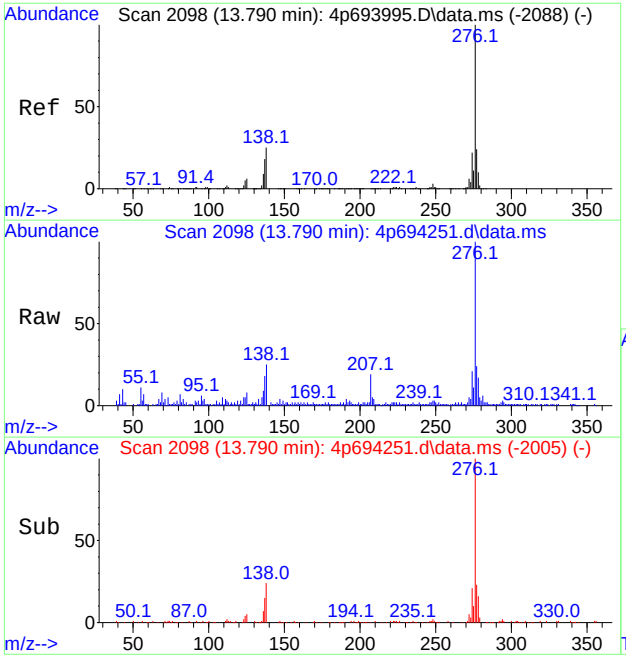


#97
Benzo[a]pyrene
Concen: 11.0111 ppm
RT: 12.486 min Scan# 1854
Delta R.T. 0.000 min
Lab File: 4p694251.d
Acq: 10 Dec 2024 7:26 pm

Tgt Ion:252 Resp: 73660

Ion	Ratio	Lower	Upper
252	100		
253	22.9	0.0	52.1
125	11.5	0.0	42.6

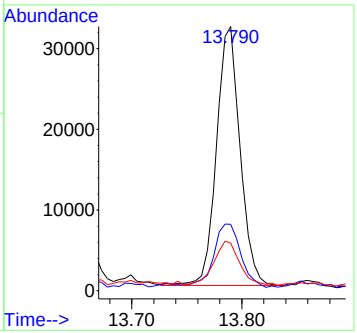


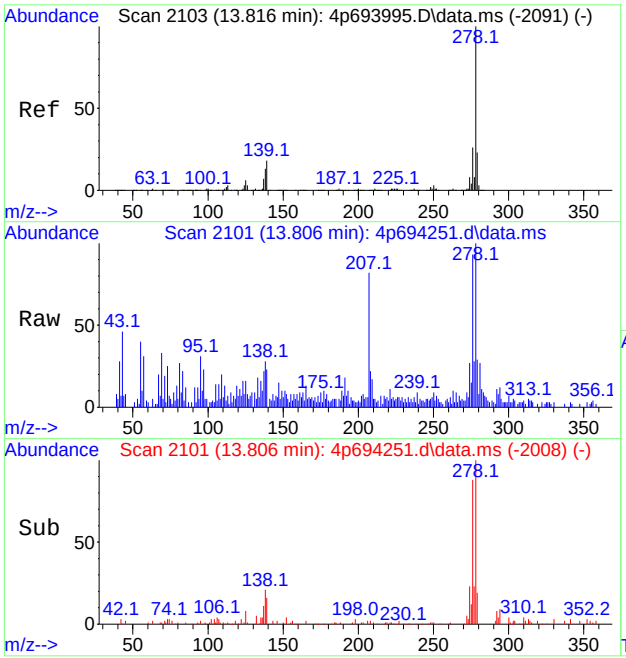


#98
Indeno[1,2,3-cd]pyrene
Concen: 5.4136 ppm
RT: 13.790 min Scan# 2098
Delta R.T. -0.005 min
Lab File: 4p694251.d
Acq: 10 Dec 2024 7:26 pm

Tgt Ion:276 Resp: 48222

Ion	Ratio	Lower	Upper
276	100		
138	23.6	0.0	55.0
137	15.6	0.0	47.3

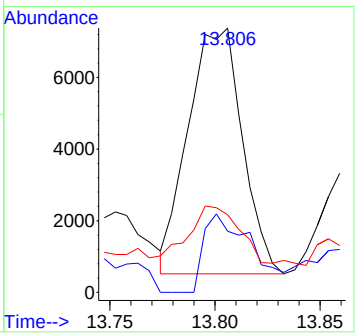


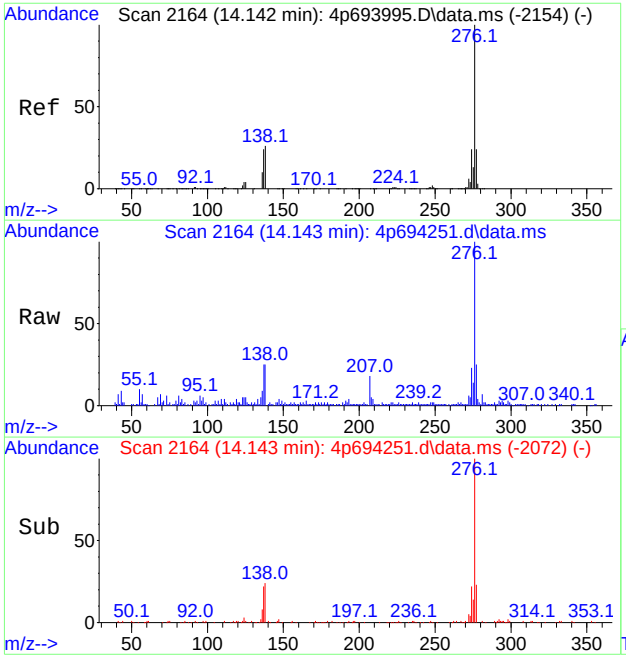


#100
Dibenz[a,h]anthracene
Concen: 1.6999 ppm
RT: 13.806 min Scan# 2101
Delta R.T. -0.005 min
Lab File: 4p694251.d
Acq: 10 Dec 2024 7:26 pm

Tgt Ion:278 Resp: 12280

Ion	Ratio	Lower	Upper
278	100		
139	21.8	0.0	49.7
279	18.5	0.0	53.0

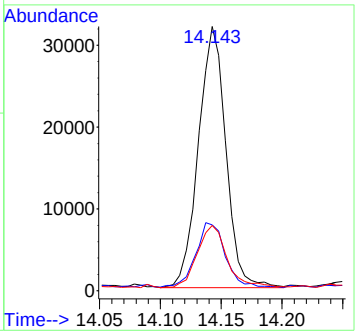




#102
Benzo[g,h,i]perylene
Concen: 7.4297 ppm
RT: 14.143 min Scan# 2164
Delta R.T. -0.011 min
Lab File: 4p694251.d
Acq: 10 Dec 2024 7:26 pm

Tgt Ion:276 Resp: 50107

Ion	Ratio	Lower	Upper
276	100		
138	24.0	0.0	54.1
277	23.7	0.0	53.7



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\EP7624\
Data File : p163382.d
Acq On : 4 Dec 2024 8:27 pm
Operator : anthonyo
Sample : je1300-26 Inst : GCMSP
Misc : op59834,ep7624,30.9,,,1,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 05 07:45:55 2024
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Dec 05 05:41:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.525	152	129350	40.00	ppm		0.00
24) Naphthalene-d8	5.454	136	448462	40.00	ppm		0.00
46) Acenaphthene-d10	6.843	164	251645	40.00	ppm		0.00
69) Phenanthrene-d10	8.686	188	463560	40.00	ppm		0.00
83) Chrysene-d12	13.965	240	477209	40.00	ppm		0.00
92) Perylene-d12	17.052	264	539687	40.00	ppm		0.02
102) 1,4-Dichlorobenzene-d4A	4.525	152	129350	40.00	ppm		0.00
112) Naphthalene-d8A	5.454	136	448462	40.00	ppm		0.00
121) Acenaphthene-d10A	6.843	164	251645	40.00	ppm		0.00
132) Phenanthrene-d10A	8.686	188	463560	40.00	ppm		0.00
147) Chrysene-d12A	13.965	240	477209	40.00	ppm		0.00
154) Perylene-d12A	17.052	264	539687	40.00	ppm		0.02
158) 1,4-Dichlorobenzene-d4b	4.525	152	129350	40.00	ppm		0.00
160) Phenanthrene-d10b	8.686	188	463560	40.00	ppm		0.00
162) Naphthalene-d8b	5.454	136	448462	40.00	ppm	#	0.00
164) Naphthalene-d8c	5.454	136	448462	40.00	ppm		0.00
168) 1,4-Dichlorobenzene-d4c	4.525	152	129350	40.00	ppm		0.00
170) Chrysene-d12c	13.965	240	477209	40.00	ppm		0.00
172) Chrysene-d12d	13.965	240	477209	40.00	ppm		0.00
174) Naphthalene-d8d	5.454	136	448462	40.00	ppm		0.00
176) Chrysene-d12e	13.965	240	477187	40.00	ppm		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.579	112	63124	16.35	ppm		0.02
Spiked Amount 50.000			Recovery = 32.70%				
8) Phenol-d5	4.306	99	76500	16.51	ppm		0.02
Spiked Amount 50.000			Recovery = 33.02%				
25) Nitrobenzene-d5	4.936	82	96413	28.60	ppm		0.00
Spiked Amount 50.000			Recovery = 57.20%				
51) 2-Fluorobiphenyl	6.245	172	253811	29.18	ppm		0.00
Spiked Amount 50.000			Recovery = 58.36%				
73) 2,4,6-Tribromophenol	7.730	330	41554	37.43	ppm		0.00
Spiked Amount 50.000			Recovery = 74.86%				
86) Terphenyl-d14	11.715	244	329129	28.76	ppm		0.00
Spiked Amount 50.000			Recovery = 57.52%				
Target Compounds							Qvalue
38) Naphthalene	5.470	128	3894	0.3543	ppm		90
44) 2-Methylnaphthalene	5.973	141	2494	0.3616	ppm		93
45) 1-Methylnaphthalene	6.047	142	2662	0.3802	ppm		91
53) Biphenyl	6.330	154	1500	0.1574	ppm		87
56) Acenaphthylene	6.715	152	61703	6.1778	ppm		98
59) Acenaphthene	6.875	153	8171	1.0431	ppm		92
62) Dibenzofuran	7.052	168	5430	0.4927	ppm		86
66) Fluorene	7.426	166	15830	1.8698	ppm		84
77) Phenanthrene	8.724	178	134329	11.4495	ppm		100
78) Anthracene	8.804	178	69220	6.0180	ppm		98
79) Carbazole	9.098	167	11596	1.0641	ppm		93
81) Fluoranthene	10.855	202	356050	25.6280	ppm		98
85) Pyrene	11.299	202	376080	23.2374	ppm		98
88) Benzo[a]anthracene	13.938	228	214277	13.8284	ppm		97
90) Chrysene	14.018	228	215234	14.8868	ppm		97
94) Benzo[b]fluoranthene	16.288	252	281201	17.6620	ppm		98
95) Benzo[k]fluoranthene	16.342	252	103450	6.6794	ppm		98
96) Benzo[a]pyrene	16.935	252	223913	16.3012	ppm		99
97) Indeno[1,2,3-cd]pyrene	19.034	276	155858	10.5370	ppm		93
99) Dibenz[a,h]anthracene	19.066	278	48723	3.4013	ppm		87

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\EP7624\
Data File : p163382.d
Acq On : 4 Dec 2024 8:27 pm
Operator : anthonyo
Sample : je1300-26 Inst : GCMSP
Misc : op59834,ep7624,30.9,,,1,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 05 07:45:55 2024
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Dec 05 05:41:19 2024
Response via : Initial Calibration

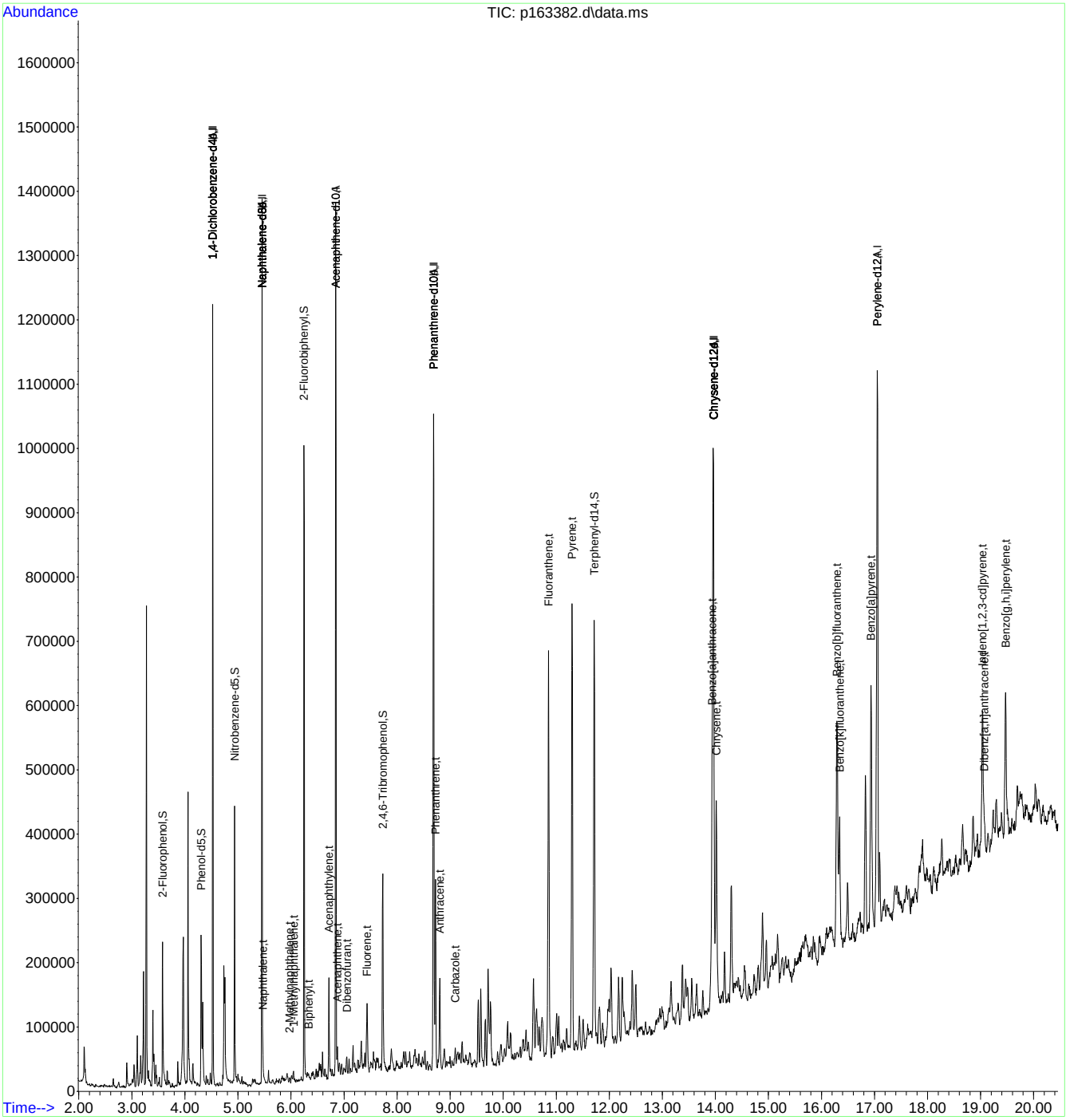
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101) Benzo[g,h,i]perylene	19.472	276	156293	10.8093	ppm	99

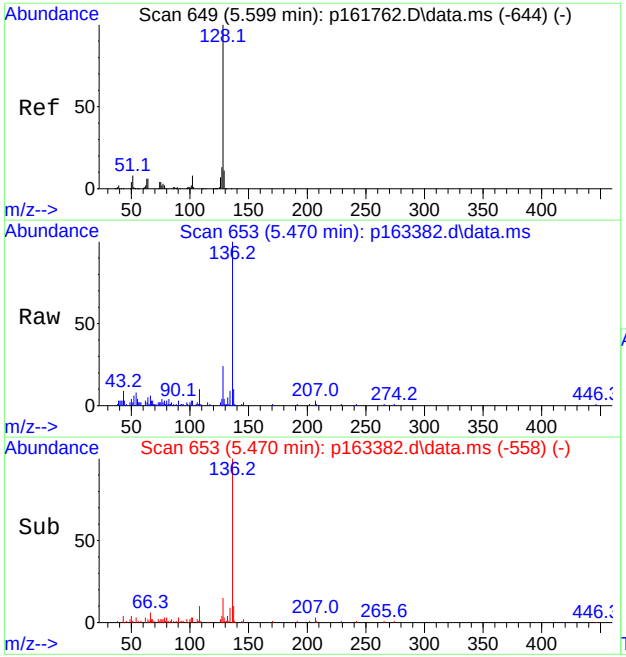
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\EP7624\
Data File : p163382.d
Acq On : 4 Dec 2024 8:27 pm
Operator : anthonyo
Sample : je1300-26 Inst : GCMSP
Misc : op59834,ep7624,30.9,,,1,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 05 07:45:55 2024
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Dec 05 05:41:19 2024
Response via : Initial Calibration

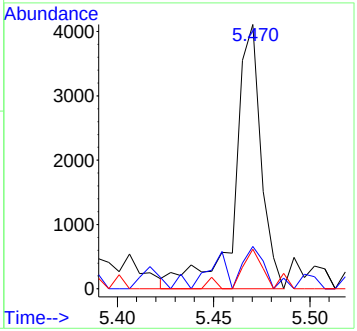


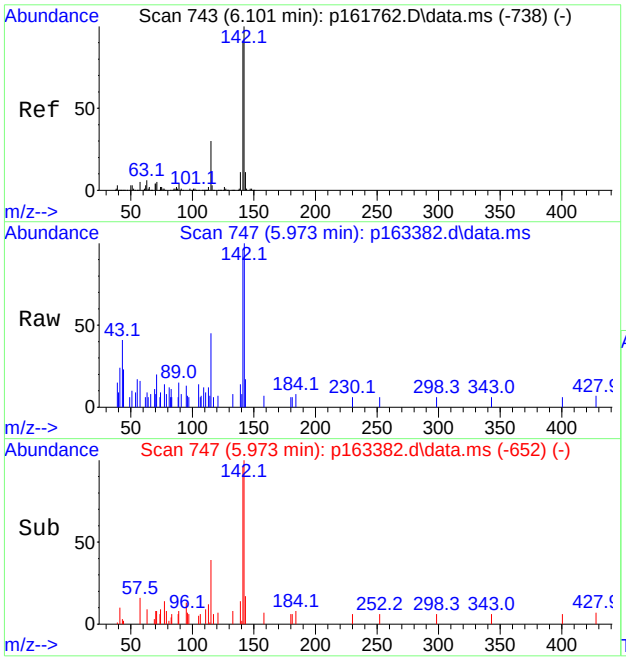


#38
Naphthalene
Concen: 0.3543 ppm
RT: 5.470 min Scan# 653
Delta R.T. 0.005 min
Lab File: p163382.d
Acq: 4 Dec 2024 8:27 pm

Tgt Ion:128 Resp: 3894

Ion	Ratio	Lower	Upper
128	100		
129	17.6	0.0	42.3
127	12.2	0.0	45.4

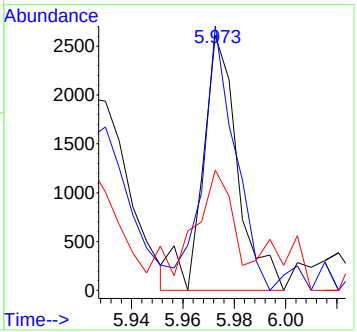


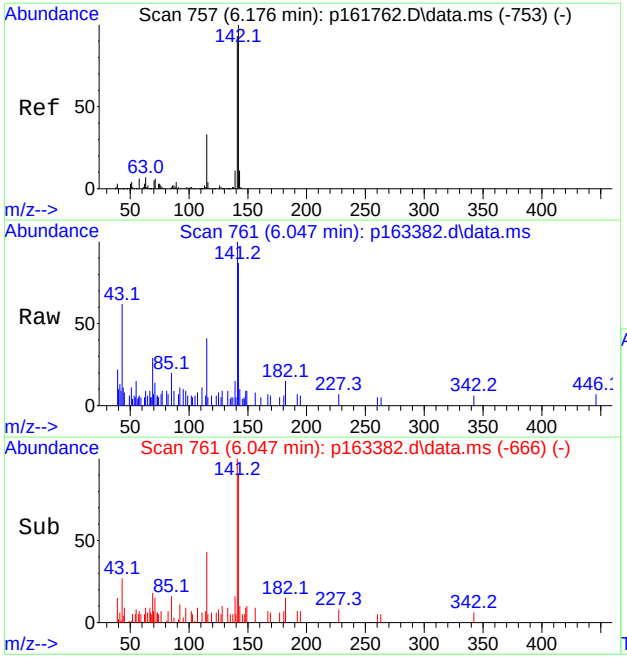


#44
2-Methylnaphthalene
Concen: 0.3616 ppm
RT: 5.973 min Scan# 747
Delta R.T. 0.005 min
Lab File: p163382.d
Acq: 4 Dec 2024 8:27 pm

Tgt Ion:141 Resp: 2494

Ion	Ratio	Lower	Upper
141	100		
142	100.7	78.1	138.1
115	35.3	9.4	69.4

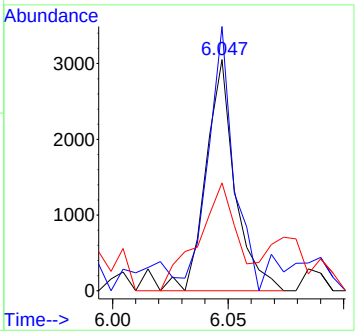


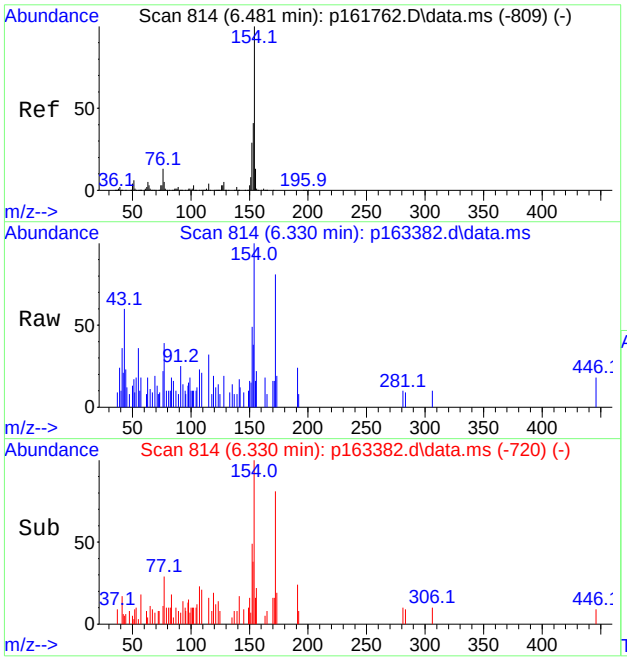


#45
1-Methylnaphthalene
Concen: 0.3802 ppm
RT: 6.047 min Scan# 761
Delta R.T. 0.005 min
Lab File: p163382.d
Acq: 4 Dec 2024 8:27 pm

Tgt Ion:142 Resp: 2662

Ion	Ratio	Lower	Upper
142	100		
141	104.0	62.7	122.7
115	35.1	6.9	66.9

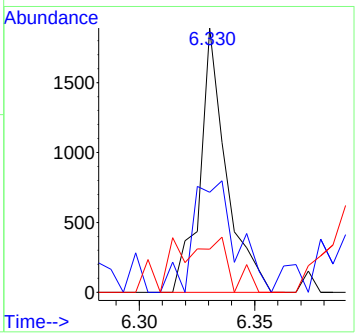


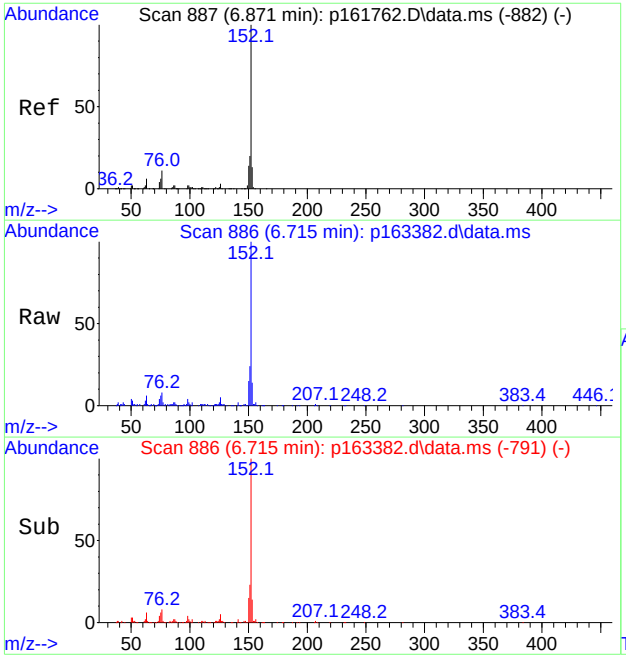


#53
Biphenyl
Concen: 0.1574 ppm
RT: 6.330 min Scan# 814
Delta R.T. 0.000 min
Lab File: p163382.d
Acq: 4 Dec 2024 8:27 pm

Tgt Ion:154 Resp: 1500

Ion	Ratio	Lower	Upper
154	100		
153	32.9	12.8	72.8
155	16.3	0.0	43.8

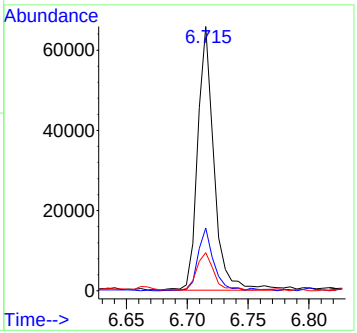


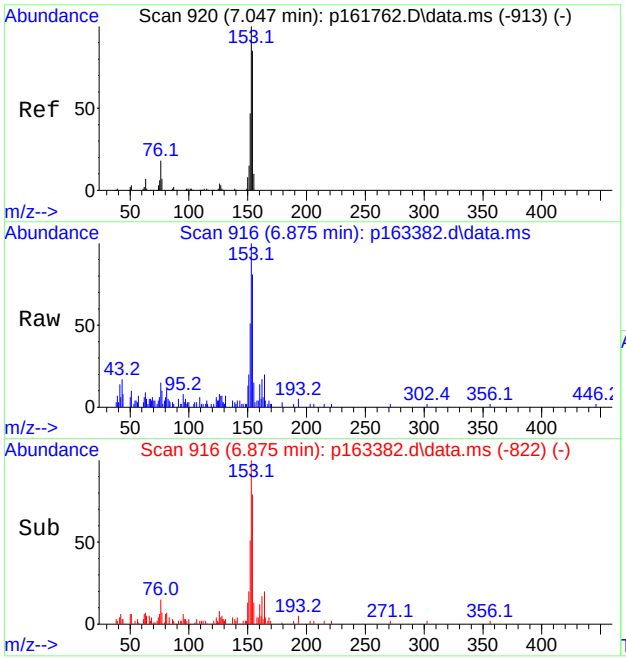


#56
Acenaphthylene
Concen: 6.1778 ppm
RT: 6.715 min Scan# 886
Delta R.T. 0.005 min
Lab File: p163382.d
Acq: 4 Dec 2024 8:27 pm

Tgt Ion:152 Resp: 61703

Ion	Ratio	Lower	Upper
152	100		
151	23.6	0.0	52.4
153	14.1	0.0	44.7

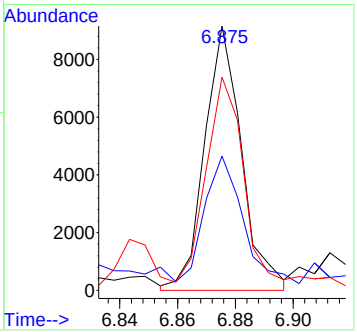


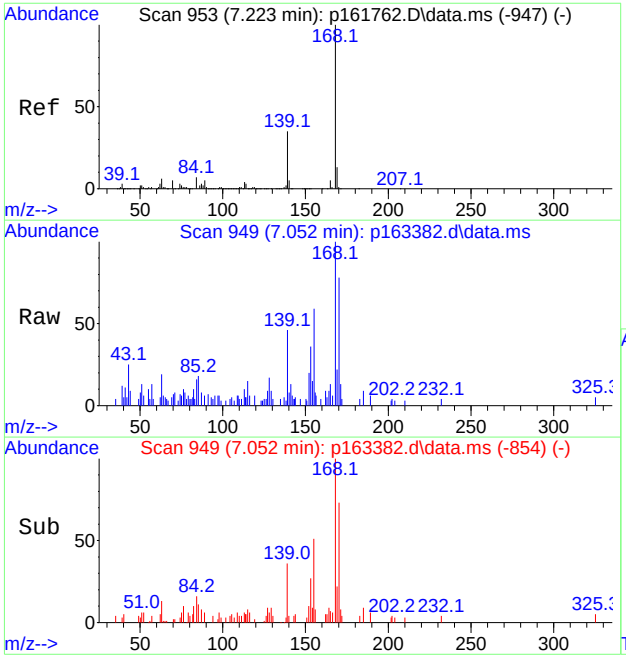


#59
Acenaphthene
Concen: 1.0431 ppm
RT: 6.875 min Scan# 916
Delta R.T. 0.000 min
Lab File: p163382.d
Acq: 4 Dec 2024 8:27 pm

Tgt Ion:153 Resp: 8171

Ion	Ratio	Lower	Upper
153	100		
152	43.7	19.1	79.1
154	78.3	55.0	115.0

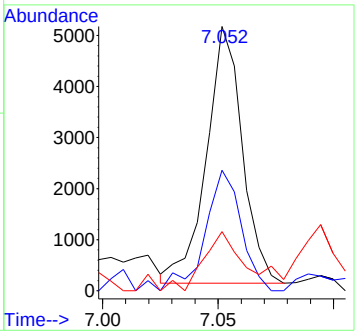


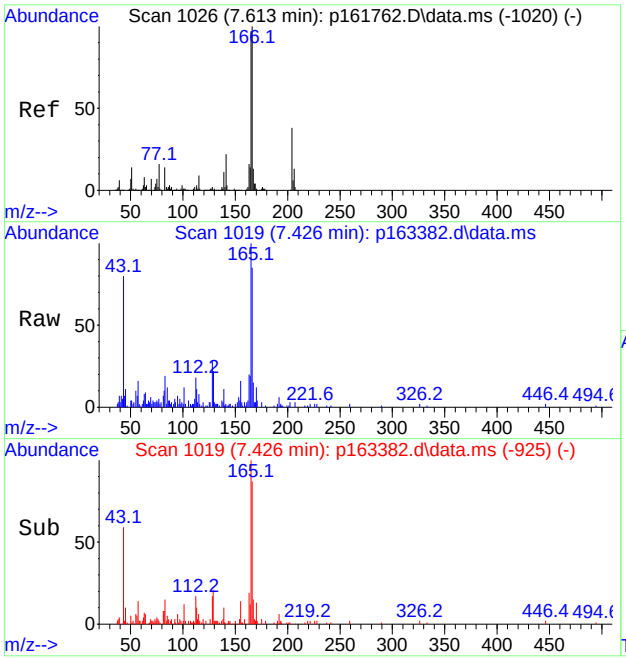


#62
Dibenzofuran
Concen: 0.4927 ppm
RT: 7.052 min Scan# 949
Delta R.T. 0.005 min
Lab File: p163382.d
Acq: 4 Dec 2024 8:27 pm

Tgt Ion:168 Resp: 5430

Ion	Ratio	Lower	Upper
168	100		
139	47.8	9.4	69.4
169	21.2	0.0	44.5

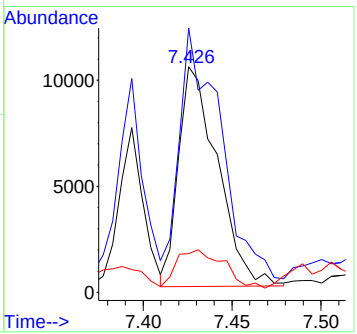


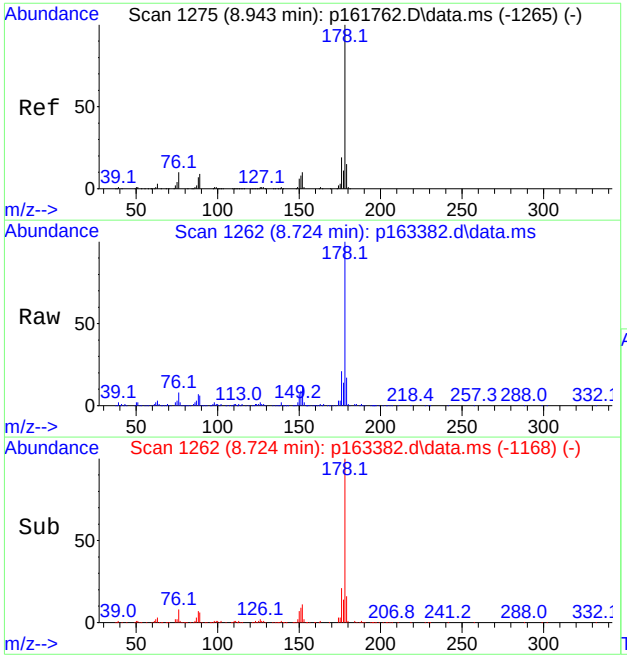


#66
Fluorene
Concen: 1.8698 ppm
RT: 7.426 min Scan# 1019
Delta R.T. 0.000 min
Lab File: p163382.d
Acq: 4 Dec 2024 8:27 pm

Tgt Ion:166 Resp: 15830

Ion	Ratio	Lower	Upper
166	100		
165	113.9	66.7	126.7
167	13.1	0.0	44.5

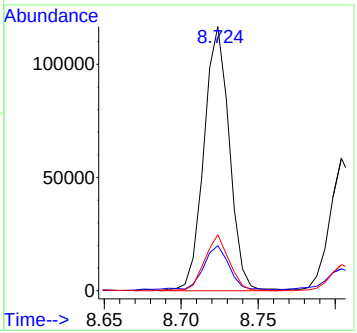


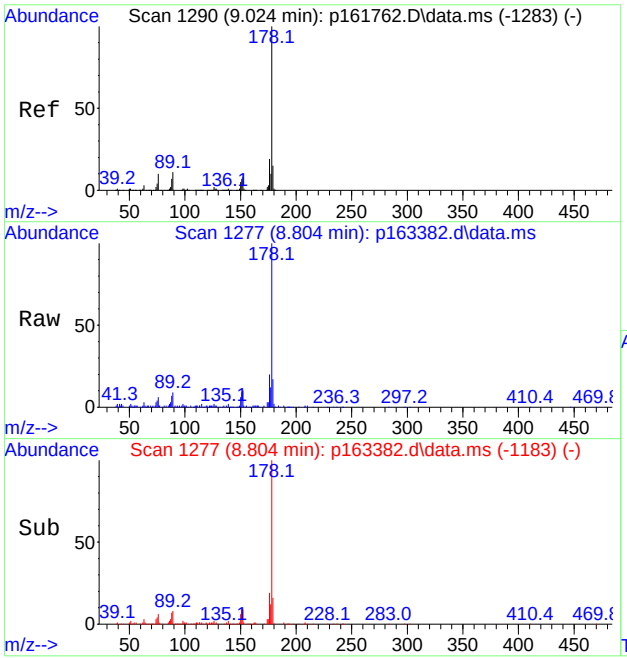


#77
Phenanthrene
Concen: 11.4495 ppm
RT: 8.724 min Scan# 1262
Delta R.T. 0.000 min
Lab File: p163382.d
Acq: 4 Dec 2024 8:27 pm

Tgt Ion:178 Resp: 134329

Ion	Ratio	Lower	Upper
178	100		
179	16.6	0.0	46.7
176	21.0	0.0	51.0

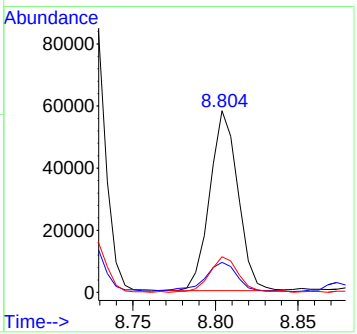


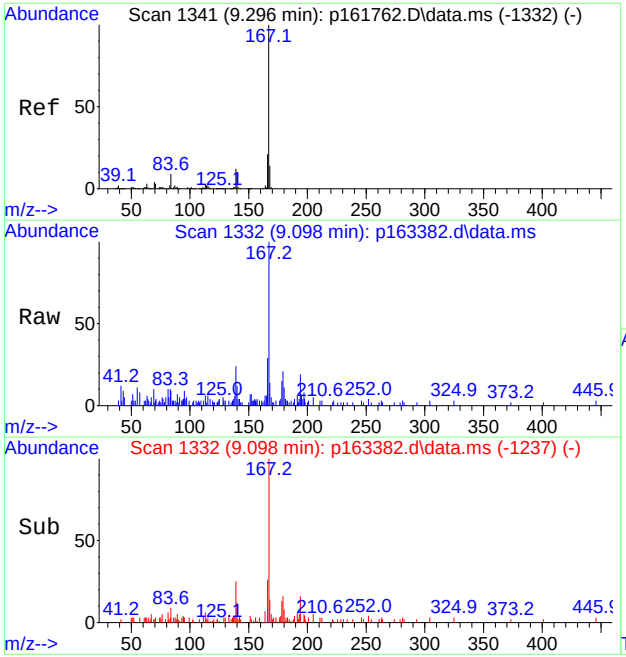


#78
Anthracene
Concen: 6.0180 ppm
RT: 8.804 min Scan# 1277
Delta R.T. 0.000 min
Lab File: p163382.d
Acq: 4 Dec 2024 8:27 pm

Tgt Ion:178 Resp: 69220

Ion	Ratio	Lower	Upper
178	100		
179	16.0	0.0	46.6
176	19.1	0.0	50.2

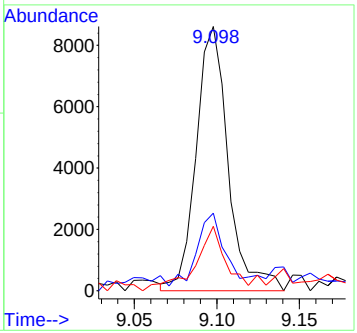


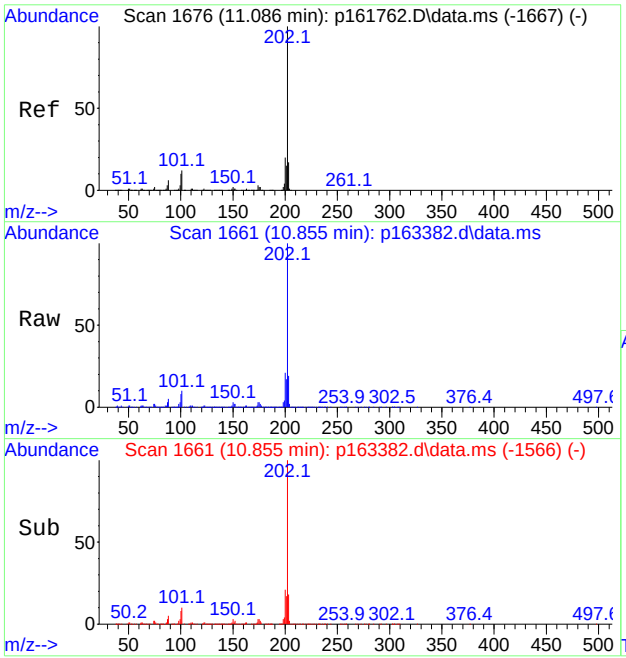


#79
Carbazole
Concen: 1.0641 ppm
RT: 9.098 min Scan# 1332
Delta R.T. 0.005 min
Lab File: p163382.d
Acq: 4 Dec 2024 8:27 pm

Tgt Ion:167 Resp: 11596

Ion	Ratio	Lower	Upper
167	100		
166	22.3	0.0	54.3
139	19.1	0.0	44.6

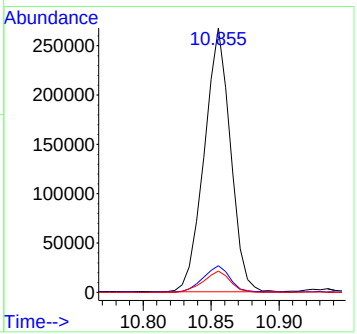


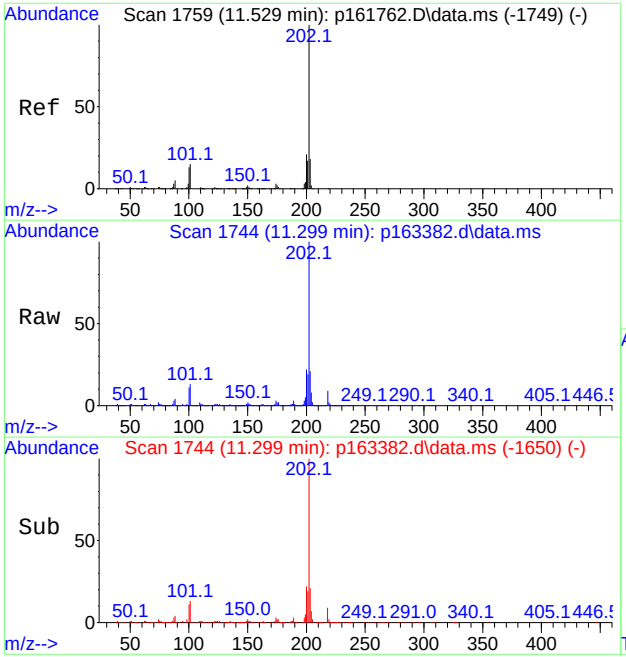


#81
Fluoranthene
Concen: 25.6280 ppm
RT: 10.855 min Scan# 1661
Delta R.T. 0.005 min
Lab File: p163382.d
Acq: 4 Dec 2024 8:27 pm

Tgt Ion:202 Resp: 356050

Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	40.8
100	8.1	0.0	38.6

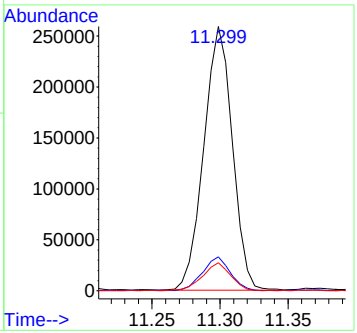


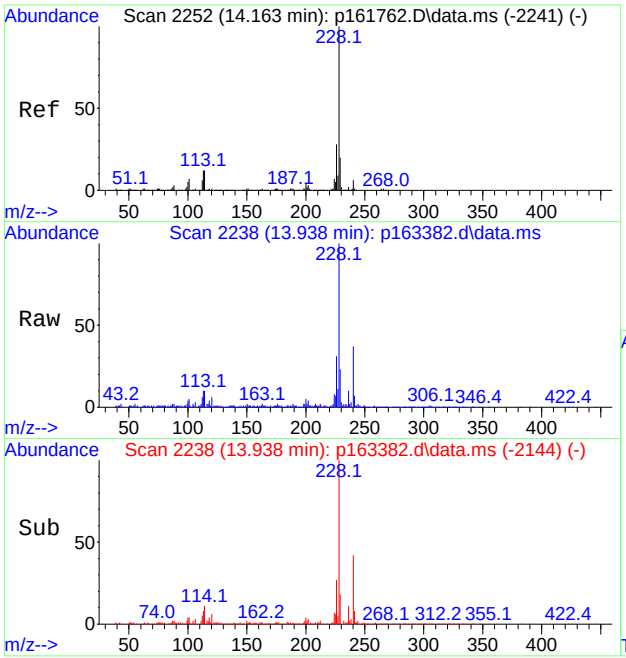


#85
Pyrene
Concen: 23.2374 ppm
RT: 11.299 min Scan# 1744
Delta R.T. 0.000 min
Lab File: p163382.d
Acq: 4 Dec 2024 8:27 pm

Tgt Ion:202 Resp: 376080

Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	42.2
100	10.6	0.0	39.3

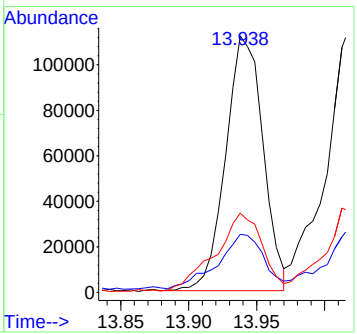


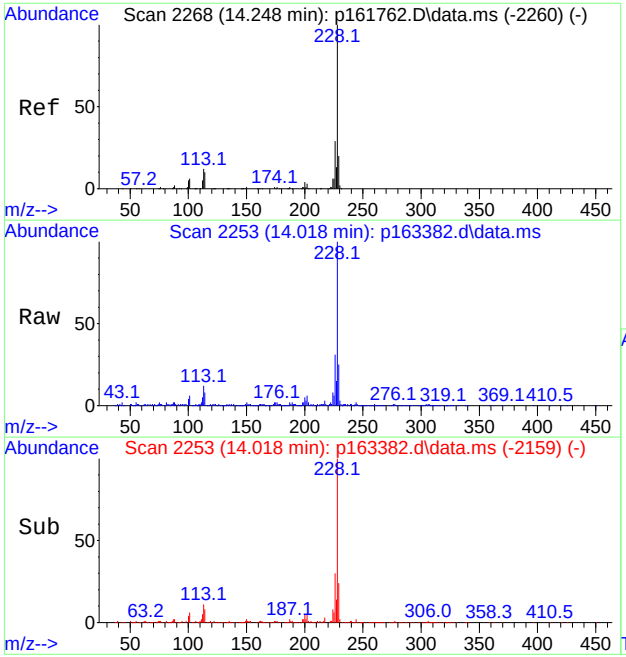


#88
Benzo[a]anthracene
Concen: 13.8284 ppm
RT: 13.938 min Scan# 2238
Delta R.T. 0.000 min
Lab File: p163382.d
Acq: 4 Dec 2024 8:27 pm

Tgt Ion:228 Resp: 214277

Ion	Ratio	Lower	Upper
228	100		
229	20.6	0.0	50.4
226	30.6	0.0	57.8

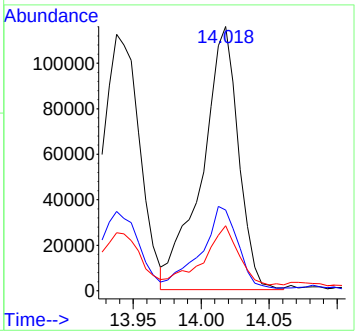


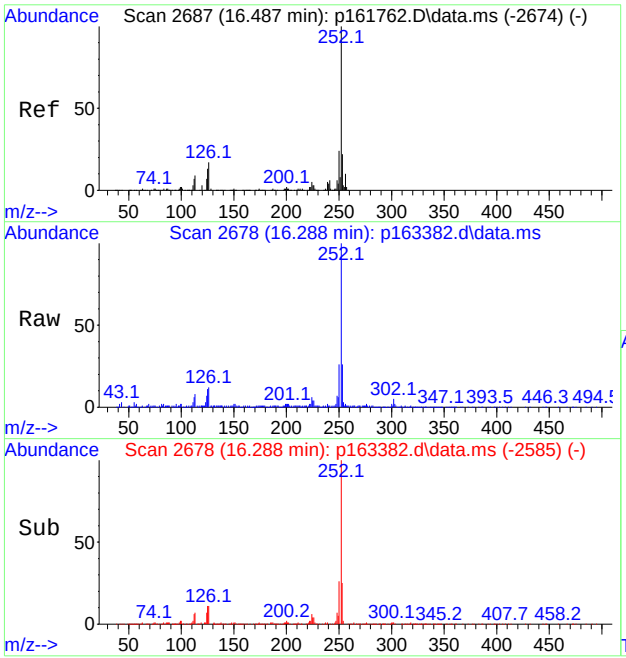


#90
Chrysene
Concen: 14.8868 ppm
RT: 14.018 min Scan# 2253
Delta R.T. 0.000 min
Lab File: p163382.d
Acq: 4 Dec 2024 8:27 pm

Tgt Ion:228 Resp: 215234

Ion	Ratio	Lower	Upper
228	100		
226	29.9	1.3	61.3
229	22.4	0.0	51.0

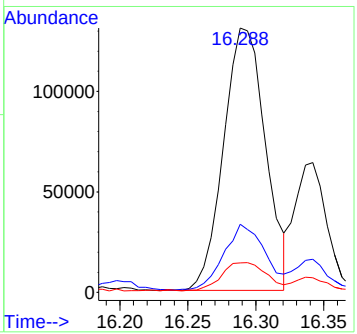


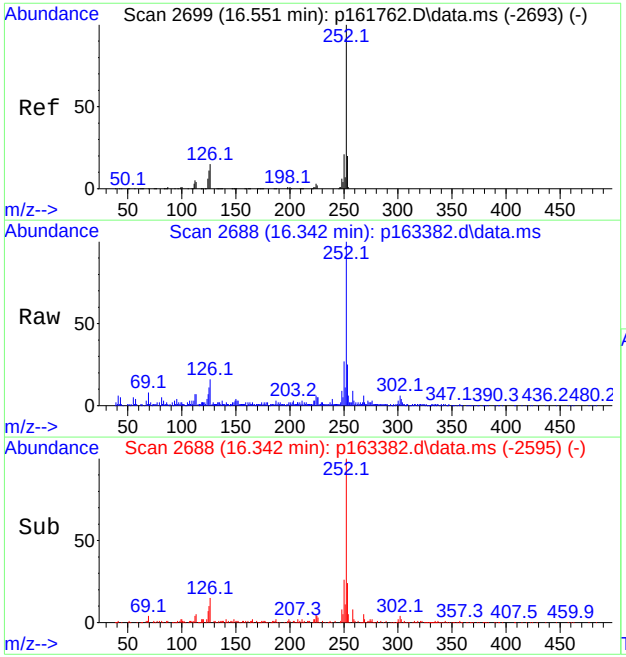


#94
Benzo[b]fluoranthene
Concen: 17.6620 ppm
RT: 16.288 min Scan# 2678
Delta R.T. -0.005 min
Lab File: p163382.d
Acq: 4 Dec 2024 8:27 pm

Tgt Ion:252 Resp: 281201

Ion	Ratio	Lower	Upper
252	100		
253	24.5	0.0	53.6
125	10.7	0.0	41.1

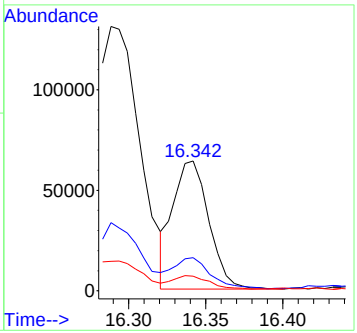


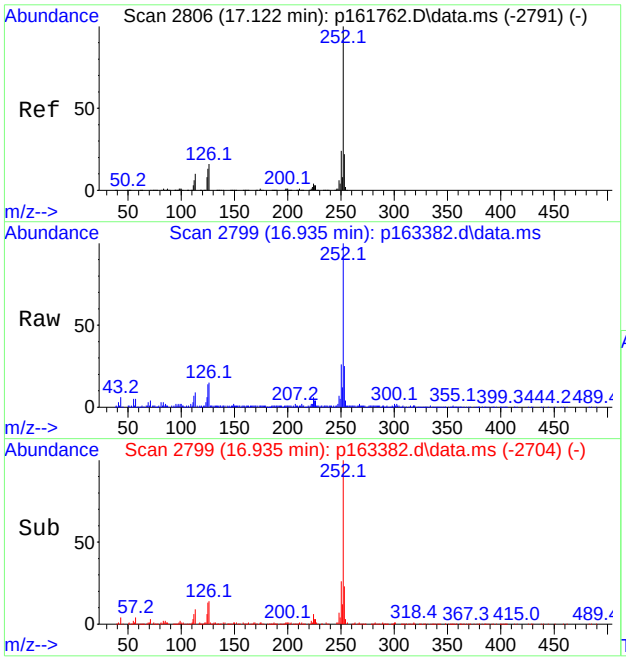


#95
Benzo[k]fluoranthene
Concen: 6.6794 ppm
RT: 16.342 min Scan# 2688
Delta R.T. -0.005 min
Lab File: p163382.d
Acq: 4 Dec 2024 8:27 pm

Tgt Ion:252 Resp: 103450

Ion	Ratio	Lower	Upper
252	100		
253	22.8	0.0	53.9
125	9.5	0.0	40.0

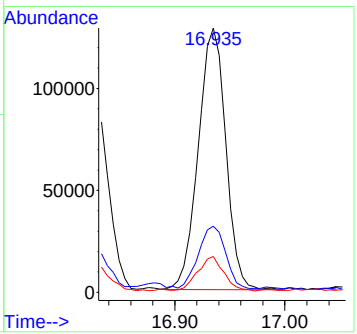


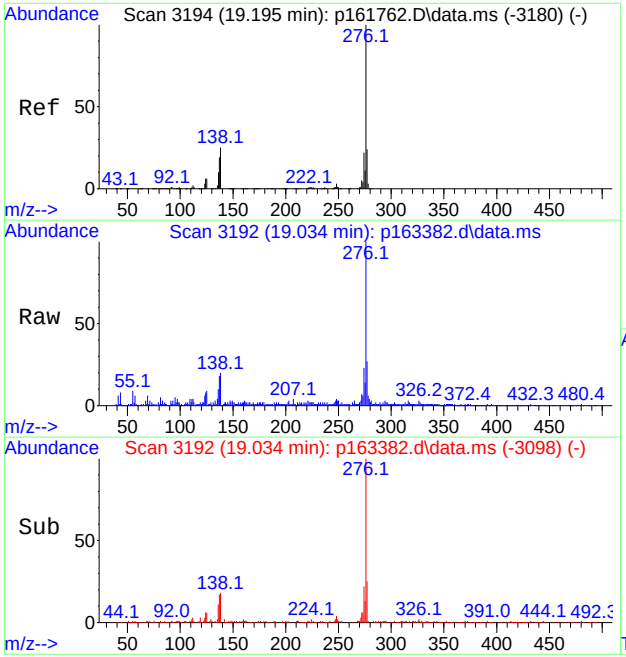


#96
Benzo[a]pyrene
Concen: 16.3012 ppm
RT: 16.935 min Scan# 2799
Delta R.T. 0.005 min
Lab File: p163382.d
Acq: 4 Dec 2024 8:27 pm

Tgt Ion:252 Resp: 223913

Ion	Ratio	Lower	Upper
252	100		
253	22.9	0.0	53.3
125	12.7	0.0	42.3

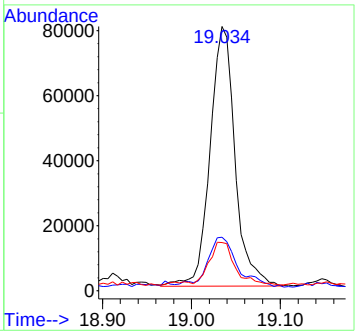


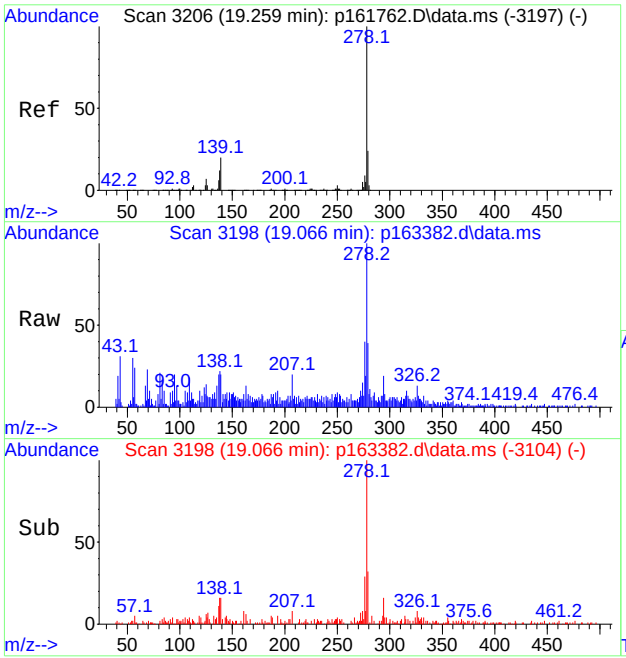


#97
Indeno[1,2,3-cd]pyrene
Concen: 10.5370 ppm
RT: 19.034 min Scan# 3192
Delta R.T. 0.000 min
Lab File: p163382.d
Acq: 4 Dec 2024 8:27 pm

Tgt Ion:276 Resp: 155858

Ion	Ratio	Lower	Upper
276	100		
138	19.0	0.0	44.6
137	16.4	0.0	45.0

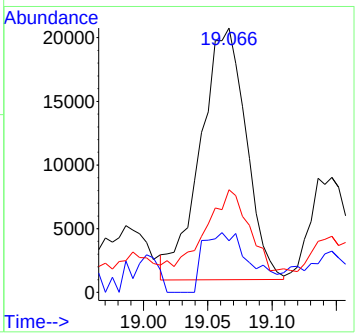


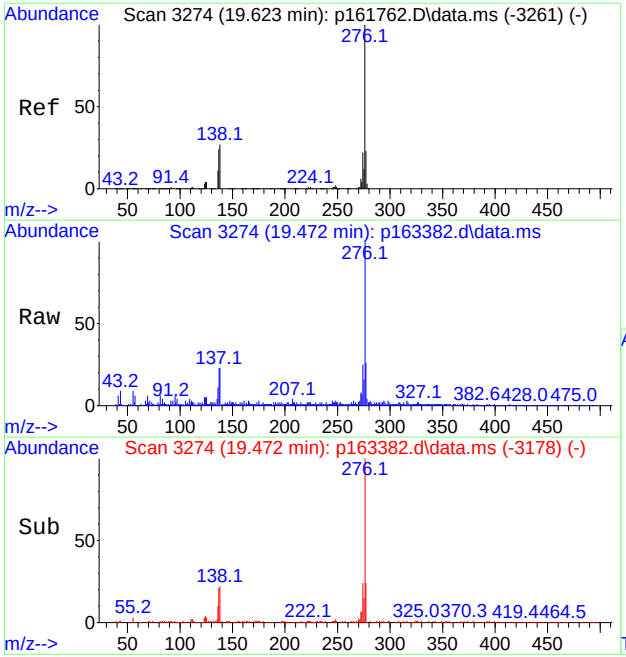


#99
Dibenz[a,h]anthracene
Concen: 3.4013 ppm
RT: 19.066 min Scan# 3198
Delta R.T. 0.000 min
Lab File: p163382.d
Acq: 4 Dec 2024 8:27 pm

Tgt Ion:278 Resp: 48723

Ion	Ratio	Lower	Upper
278	100		
139	12.9	0.0	46.6
279	32.6	0.0	54.9

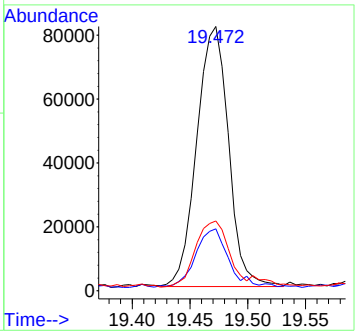




#101
Benzo[g,h,i]perylene
Concen: 10.8093 ppm
RT: 19.472 min Scan# 3274
Delta R.T. 0.011 min
Lab File: p163382.d
Acq: 4 Dec 2024 8:27 pm

Tgt Ion:276 Resp: 156293

Ion	Ratio	Lower	Upper
276	100		
138	22.0	0.0	52.1
277	24.9	0.0	55.6



Manual Integrations APPROVED (compounds with "m" flag)
Jon Kreigmor Mamanta 12/11/24 03:37

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\e4p3706\
Data File : 4p694252.d
Acq On : 10 Dec 2024 7:50 pm
Operator : kaleigh
Sample : je1300-27a Inst : GCMS4P
Misc : op59834,e4p3706,30.3,,,1,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Dec 11 04:26:44 2024
Quant Method : X:\Dayton SVOA GCMS\michaell\e4p3706\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Wed Dec 11 00:48:48 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	67271	40.00	ppm	0.00
24) Naphthalene-d8	5.365	136	236018	40.00	ppm	0.00
46) Acenaphthene-d10	6.599	164	126063	40.00	ppm	0.00
69) Phenanthrene-d10	7.956	188	203937	40.00	ppm	0.00
84) Chrysene-d12	10.948	240	225029	40.00	ppm	0.00
93) Perylene-d12	12.550	264	246542	40.00	ppm	0.00
103) 1,4-Dichlorobenzene-d4a	4.569	152	67271	40.00	ppm	0.00
105) Acenaphthene-d10a	6.599	164	126063	40.00	ppm	0.00
107) Chrysene-d12a	10.948	240	225029	40.00	ppm	0.00
109) Phenanthrene-d10a	7.956	188	203937	40.00	ppm	0.00
111) Naphthalene-d8a	5.365	136	236018	40.00	ppm	0.00
113) Chrysene-d12b	10.948	240	225029	40.00	ppm	0.00
115) Naphthalene-d8b	5.365	136	236018	40.00	ppm	0.00
118) Naphthalene-d8c	5.365	136	236018	40.00	ppm	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.762	112	56886	30.77	ppm	0.02
Spiked Amount 50.000			Recovery =	61.54%		
8) Phenol-d5	4.355	99	71129	29.24	ppm	0.02
Spiked Amount 50.000			Recovery =	58.48%		
25) Nitrobenzene-d5	4.916	82	67534	32.31	ppm	0.00
Spiked Amount 50.000			Recovery =	64.62%		
51) 2-Fluorobiphenyl	6.076	172	147135	34.28	ppm	0.00
Spiked Amount 50.000			Recovery =	68.56%		
74) 2,4,6-Tribromophenol	7.283	330	15676	30.51	ppm	0.00
Spiked Amount 50.000			Recovery =	61.02%		
87) Terphenyl-d14	9.714	244	167234	29.87	ppm	0.00
Spiked Amount 50.000			Recovery =	59.74%		
108) 1-chlorooctadecane	0.000	57	0	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
110) o-terphenyl	0.000	230	0	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
38) Naphthalene	5.376	128	3246	0.5260	ppm	96
44) 2-Methylnaphthalene	5.824	141	2433	0.6510	ppm	96
45) 1-Methylnaphthalene	5.894	142	2499	0.6303	ppm	95
53) Biphenyl	6.380	154	3558	0.7434	ppm	78
56) Acenaphthylene	6.487	152	26132	5.0850	ppm	97
59) Acenaphthene	6.626	153	12095	3.0800	ppm	93
62) Dibenzofuran	6.765	168	7565	1.4179	ppm	96
66) Fluorene	7.059	166	12844m	3.0196	ppm	
78) Phenanthrene	7.977	178	134289	23.5257	ppm	99
79) Anthracene	8.031	178	49997	8.9100	ppm	99
80) Carbazole	8.207	167	10113	1.9623	ppm	96
82) Fluoranthene	9.270	202	317692	51.3211	ppm	98
86) Pyrene	9.527	202	311353	39.3239	ppm	100
89) Benzo[a]anthracene	10.932	228	183257	25.0472	ppm	94
91) Chrysene	10.974	228	166713	23.6338	ppm	98
95) Benzo[b]fluoranthene	12.150	252	251218m	32.9187	ppm	
96) Benzo[k]fluoranthene	12.176	252	78930m	10.9079	ppm	
97) Benzo[a]pyrene	12.492	252	184646	28.6191	ppm	98
98) Indeno[1,2,3-cd]pyrene	13.795	276	116976	13.6162	ppm	98
100) Dibenz[a,h]anthracene	13.811	278	28722	4.1225	ppm	95
102) Benzo[g,h,i]perylene	14.153	276	113643	17.4717	ppm	97

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\e4p3706\
Data File : 4p694252.d
Acq On : 10 Dec 2024 7:50 pm
Operator : kaleigh
Sample : je1300-27a Inst : GCMS4P
Misc : op59834,e4p3706,30.3,,,1,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Dec 11 04:26:44 2024
Quant Method : X:\Dayton SVOA GCMS\michaell\e4p3706\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Wed Dec 11 00:48:48 2024
Response via : Initial Calibration

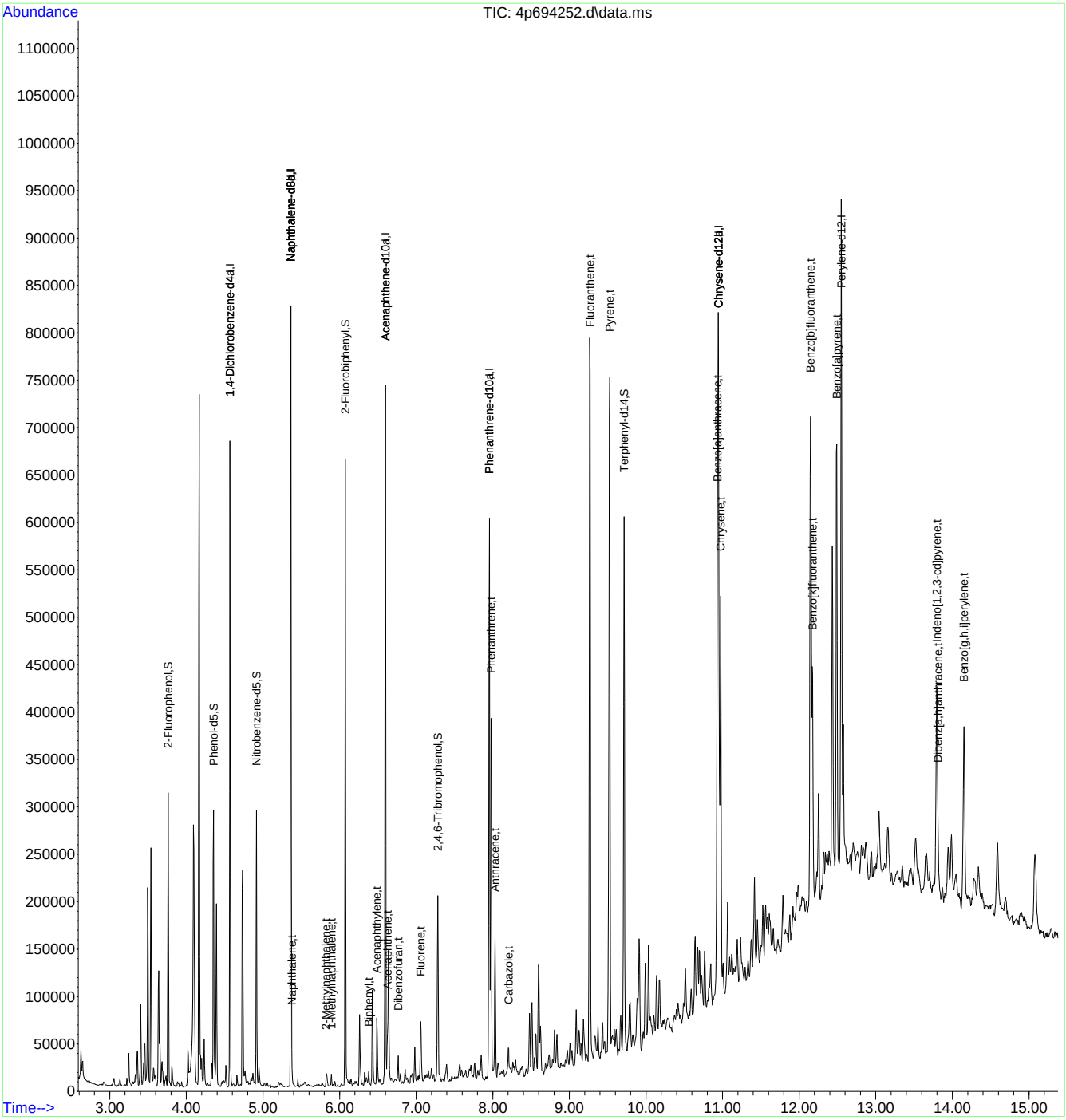
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

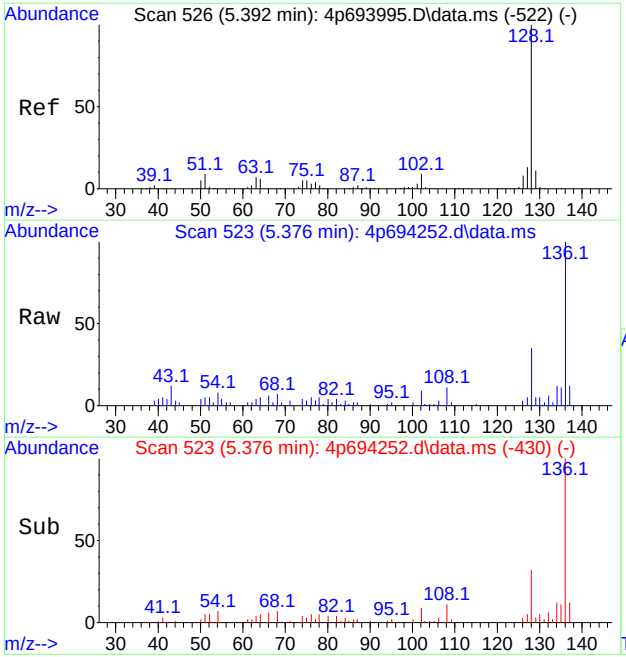
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\e4p3706\
Data File : 4p694252.d
Acq On : 10 Dec 2024 7:50 pm
Operator : kaleigh
Sample : je1300-27a Inst : GCMS4P
Misc : op59834,e4p3706,30.3,,,1,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Dec 11 04:26:44 2024
Quant Method : X:\Dayton SVOA GCMS\michaell\e4p3706\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Wed Dec 11 00:48:48 2024
Response via : Initial Calibration

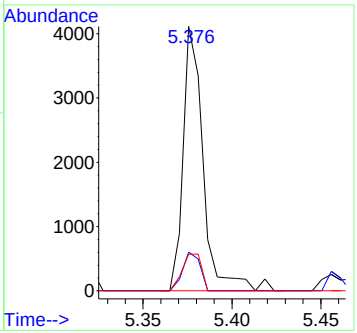


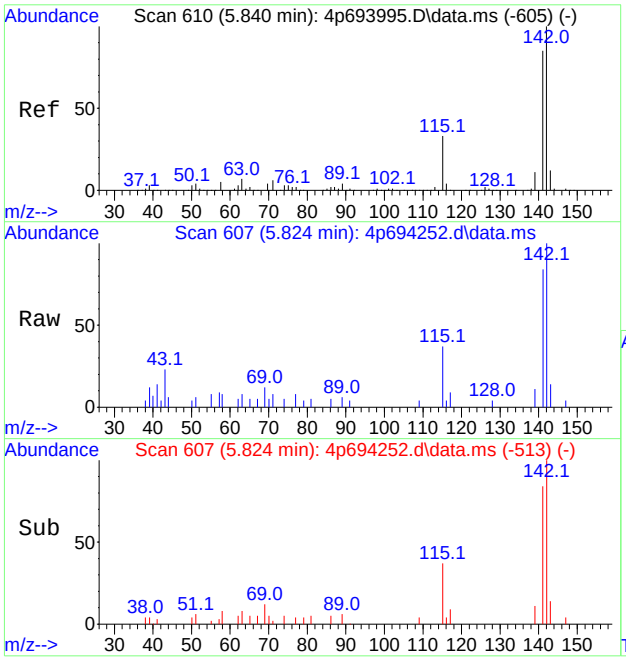


#38
Naphthalene
Concen: 0.5260 ppm
RT: 5.376 min Scan# 523
Delta R.T. -0.005 min
Lab File: 4p694252.d
Acq: 10 Dec 2024 7:50 pm

Tgt Ion:128 Resp: 3246

Ion	Ratio	Lower	Upper
128	100		
129	14.7	0.0	40.9
127	13.9	0.0	43.9

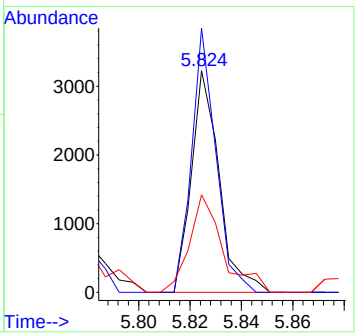


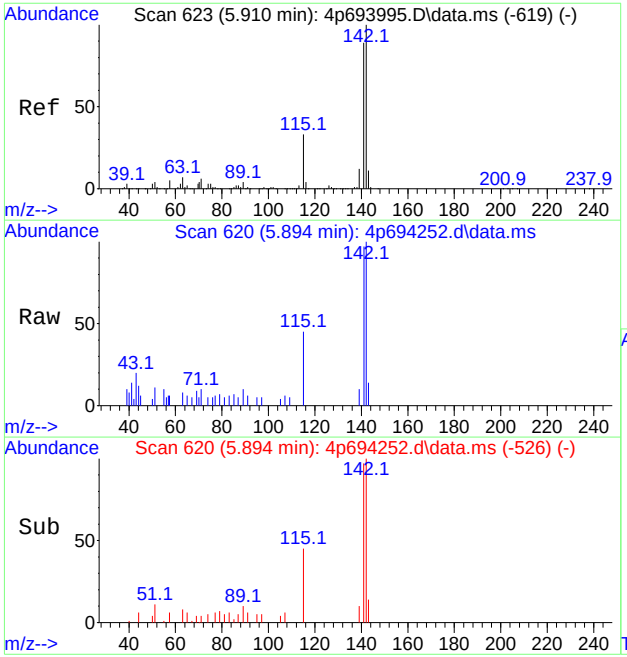


#44
2-Methylnaphthalene
Concen: 0.6510 ppm
RT: 5.824 min Scan# 607
Delta R.T. -0.000 min
Lab File: 4p694252.d
Acq: 10 Dec 2024 7:50 pm

Tgt Ion:141 Resp: 2433

Ion	Ratio	Lower	Upper
141	100		
142	119.2	85.6	145.6
115	44.0	9.3	69.3

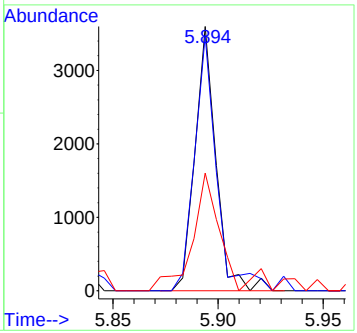


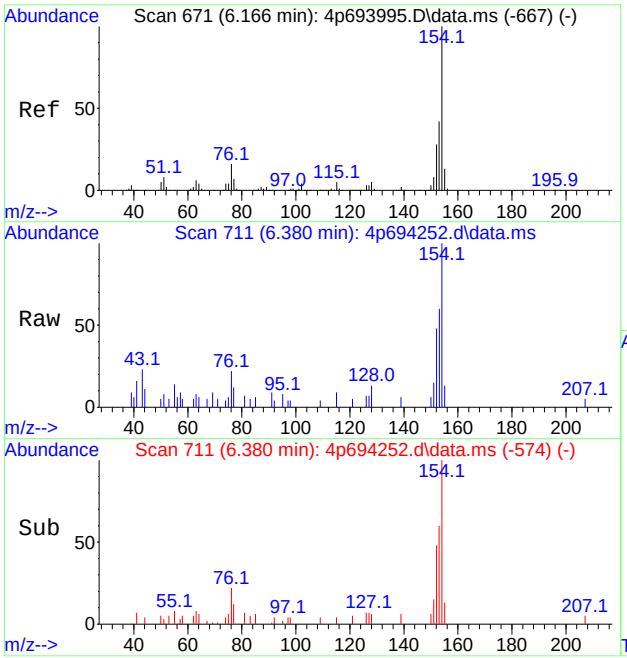


#45
1-Methylnaphthalene
Concen: 0.6303 ppm
RT: 5.894 min Scan# 620
Delta R.T. -0.000 min
Lab File: 4p694252.d
Acq: 10 Dec 2024 7:50 pm

Tgt Ion:142 Resp: 2499

Ion	Ratio	Lower	Upper
142	100		
141	93.7	59.6	119.6
115	39.6	5.3	65.3

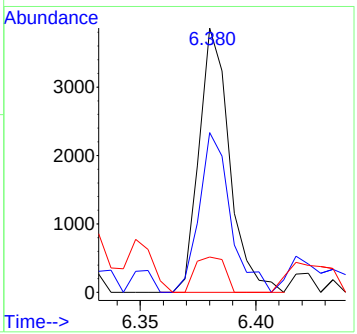


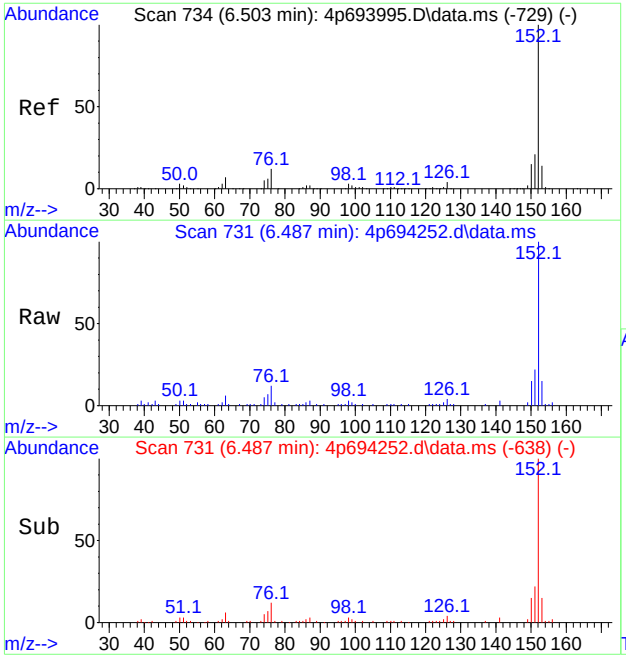


#53
Biphenyl
Concen: 0.7434 ppm
RT: 6.380 min Scan# 711
Delta R.T. 0.230 min
Lab File: 4p694252.d
Acq: 10 Dec 2024 7:50 pm

Tgt Ion:154 Resp: 3558

Ion	Ratio	Lower	Upper
154	100		
153	58.1	12.0	72.0
155	8.3	0.0	43.0

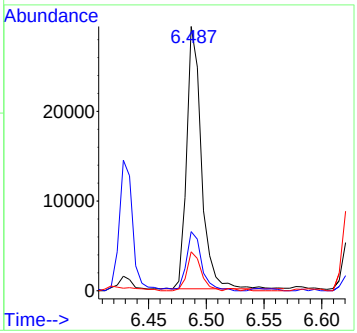


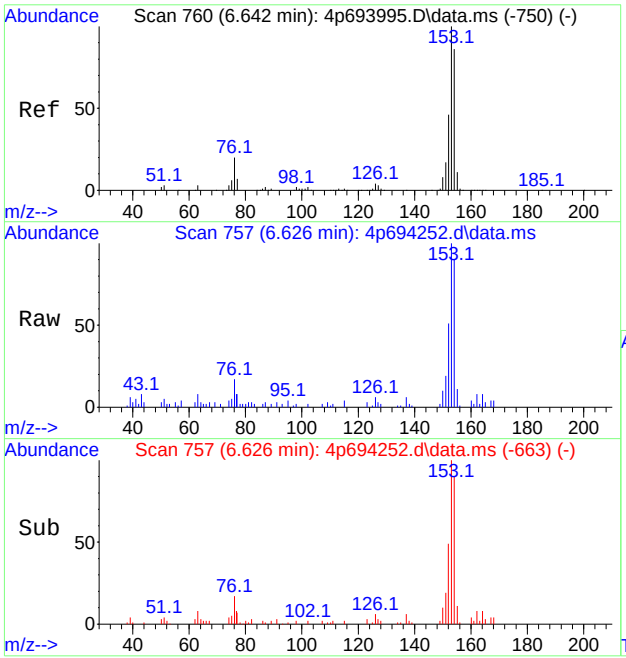


#56
Acenaphthylene
Concen: 5.0850 ppm
RT: 6.487 min Scan# 731
Delta R.T. -0.005 min
Lab File: 4p694252.d
Acq: 10 Dec 2024 7:50 pm

Tgt Ion:152 Resp: 26132

Ion	Ratio	Lower	Upper
152	100		
151	22.3	0.0	51.4
153	14.8	0.0	43.4

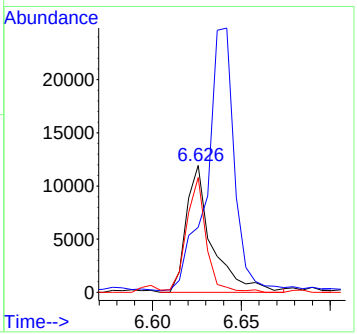


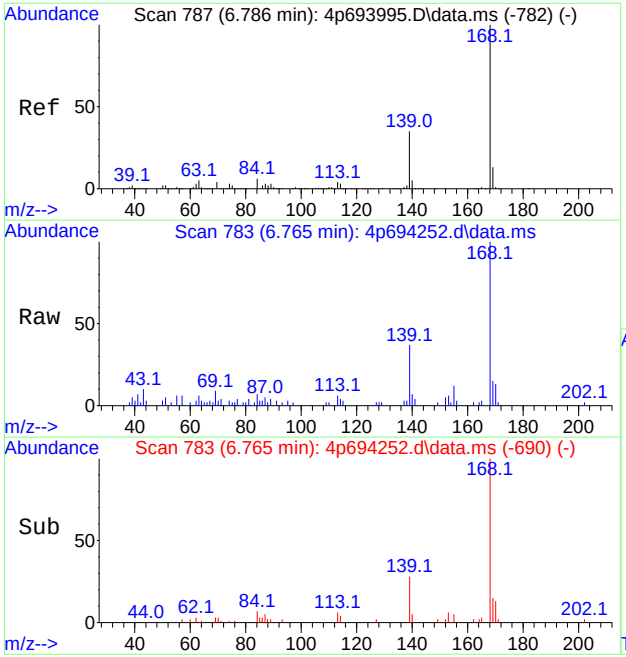


#59
Acenaphthene
Concen: 3.0800 ppm
RT: 6.626 min Scan# 757
Delta R.T. -0.000 min
Lab File: 4p694252.d
Acq: 10 Dec 2024 7:50 pm

Tgt Ion:153 Resp: 12095

Ion	Ratio	Lower	Upper
153	100		
152	49.4	17.7	77.7
154	90.8	52.1	112.1

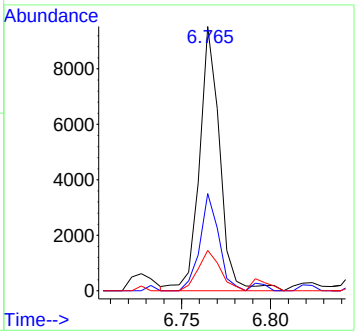


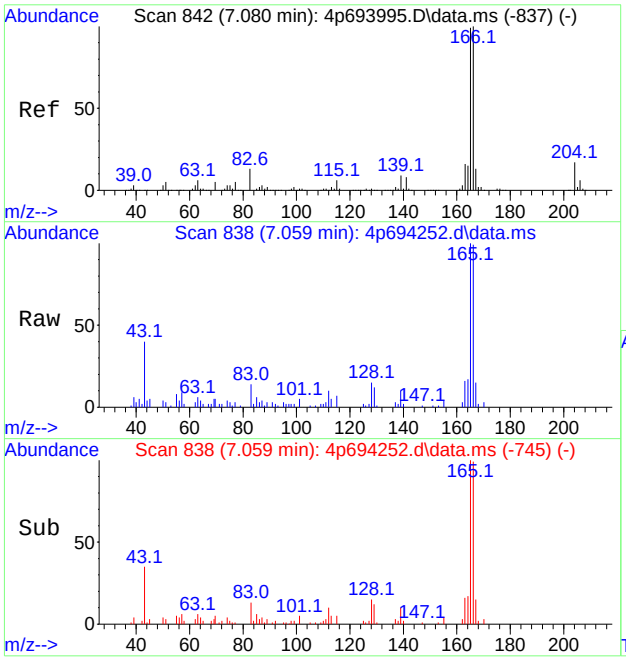


#62
Dibenzofuran
Concen: 1.4179 ppm
RT: 6.765 min Scan# 783
Delta R.T. -0.005 min
Lab File: 4p694252.d
Acq: 10 Dec 2024 7:50 pm

Tgt Ion:168 Resp: 7565

Ion	Ratio	Lower	Upper
168	100		
139	37.1	4.7	64.7
169	15.4	0.0	43.4

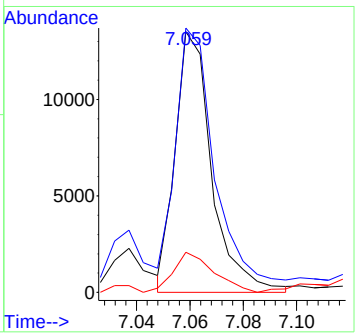


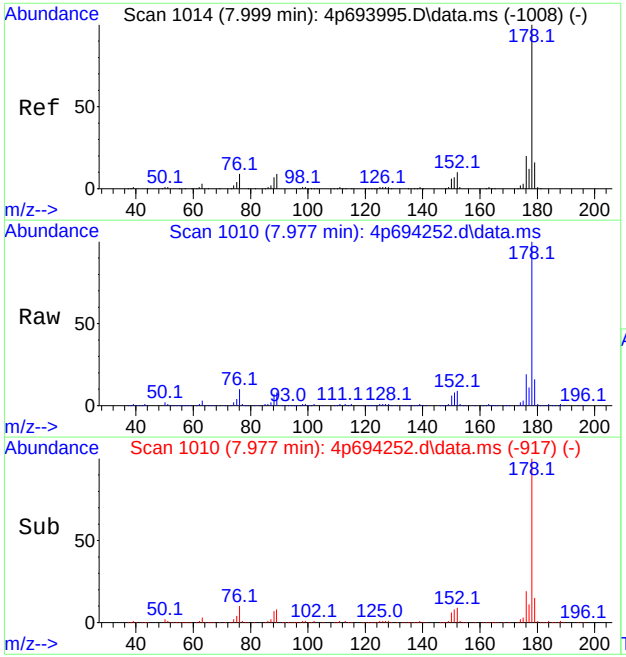


#66
Fluorene
Concen: 3.0196 ppm m
RT: 7.059 min Scan# 838
Delta R.T. -0.005 min
Lab File: 4p694252.d
Acq: 10 Dec 2024 7:50 pm

Tgt Ion:166 Resp: 12844

Ion	Ratio	Lower	Upper
166	100		
165	101.5	67.1	127.1
167	15.4	0.0	43.1

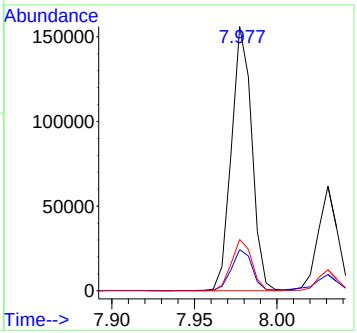


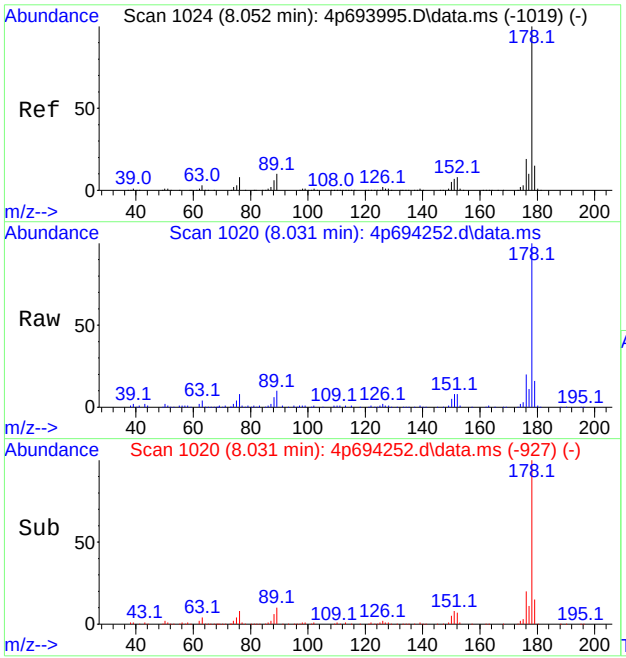


#78
Phenanthrene
Concen: 23.5257 ppm
RT: 7.977 min Scan# 1010
Delta R.T. -0.005 min
Lab File: 4p694252.d
Acq: 10 Dec 2024 7:50 pm

Tgt Ion:178 Resp: 134289

Ion	Ratio	Lower	Upper
178	100		
179	15.4	0.0	45.5
176	19.4	0.0	49.9

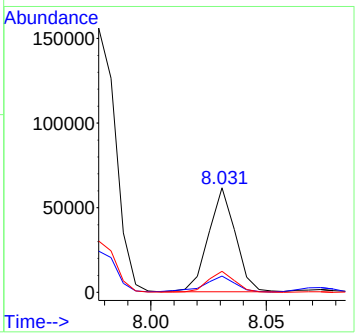


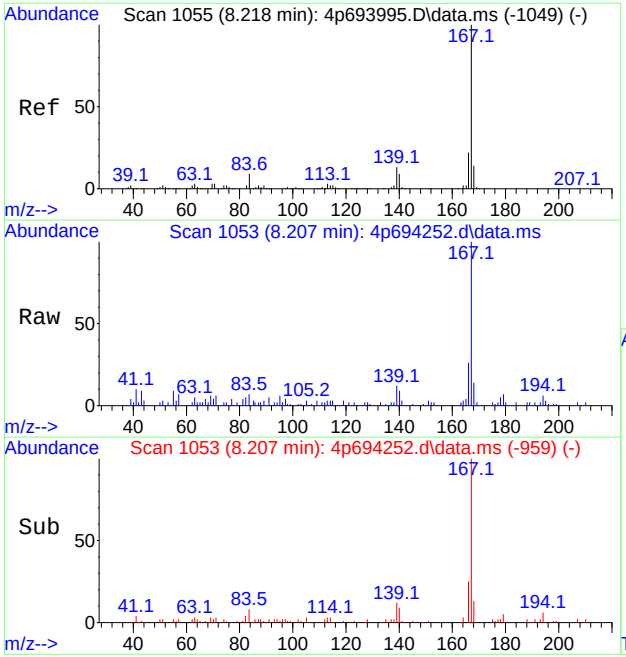


#79
Anthracene
Concen: 8.9100 ppm
RT: 8.031 min Scan# 1020
Delta R.T. -0.005 min
Lab File: 4p694252.d
Acq: 10 Dec 2024 7:50 pm

Tgt Ion:178 Resp: 49997

Ion	Ratio	Lower	Upper
178	100		
179	15.0	0.0	45.7
176	20.3	0.0	50.1

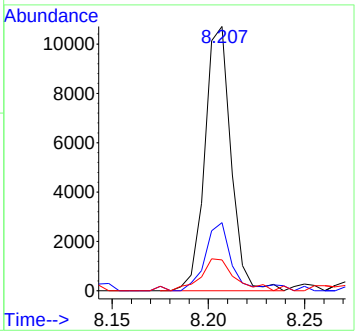


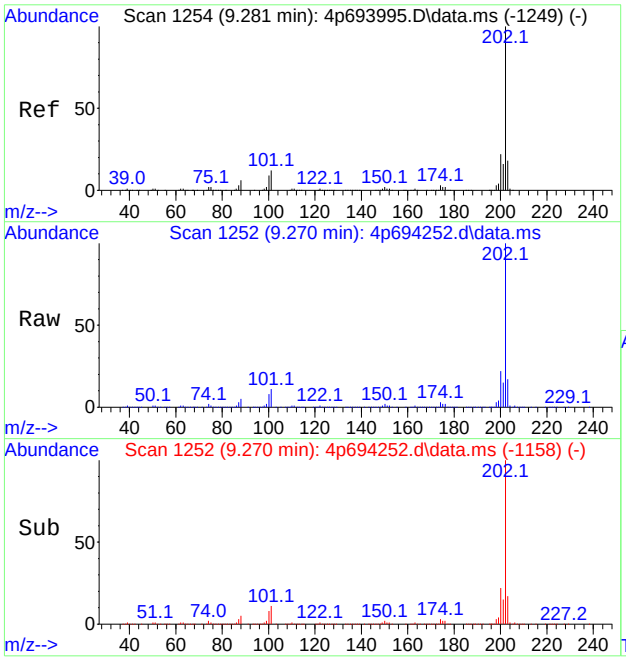


#80
Carbazole
Concen: 1.9623 ppm
RT: 8.207 min Scan# 1053
Delta R.T. -0.000 min
Lab File: 4p694252.d
Acq: 10 Dec 2024 7:50 pm

Tgt Ion:167 Resp: 10113

Ion	Ratio	Lower	Upper
167	100		
166	23.9	0.0	53.0
139	9.9	0.0	42.5

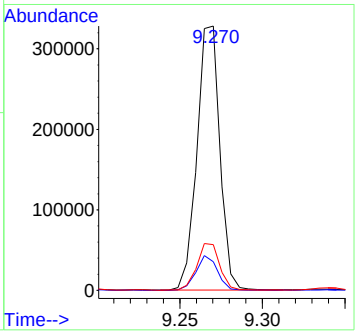


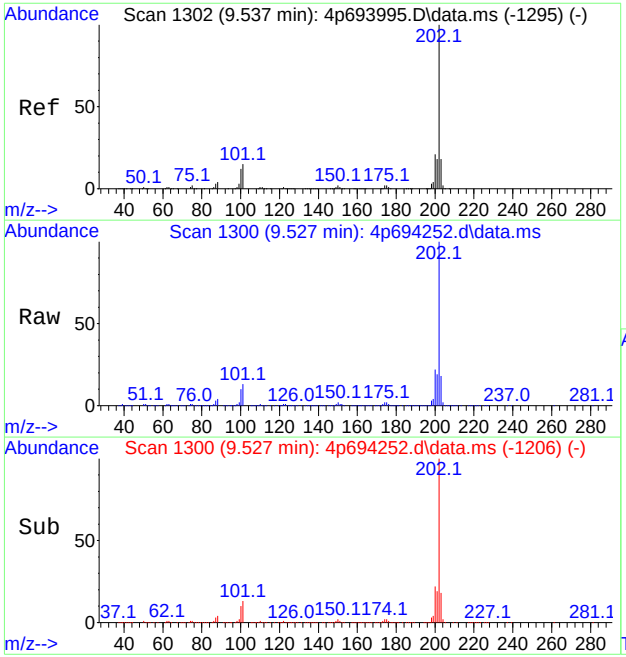


#82
Fluoranthene
Concen: 51.3211 ppm
RT: 9.270 min Scan# 1252
Delta R.T. -0.000 min
Lab File: 4p694252.d
Acq: 10 Dec 2024 7:50 pm

Tgt Ion:202 Resp: 317692

Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	41.0
203	17.2	0.0	48.1

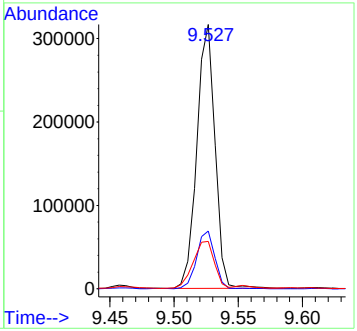


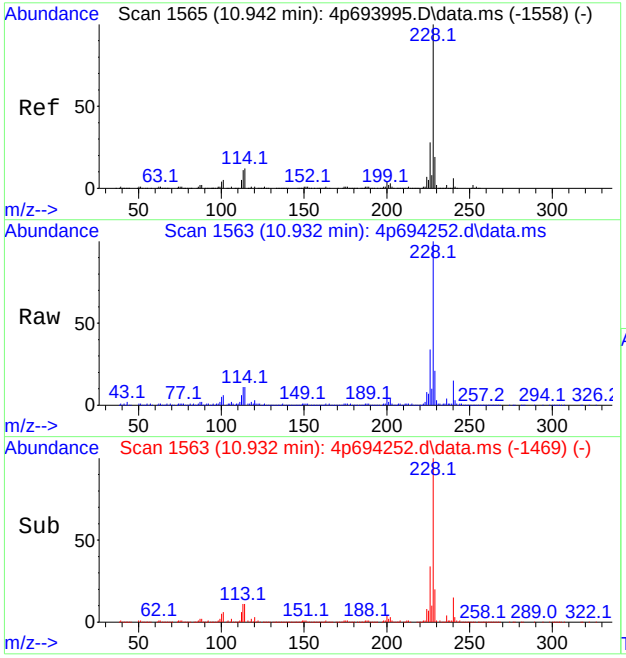


#86
Pyrene
Concen: 39.3239 ppm
RT: 9.527 min Scan# 1300
Delta R.T. -0.000 min
Lab File: 4p694252.d
Acq: 10 Dec 2024 7:50 pm

Tgt Ion:202 Resp: 311353

Ion	Ratio	Lower	Upper
202	100		
200	21.9	0.0	52.2
203	17.7	0.0	47.8

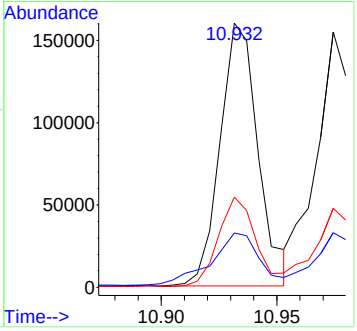


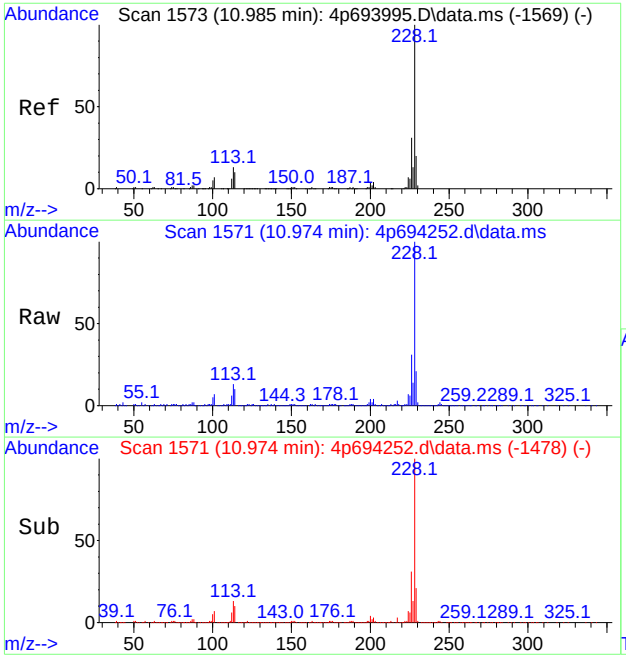


#89
Benzo[a]anthracene
Concen: 25.0472 ppm
RT: 10.932 min Scan# 1563
Delta R.T. -0.000 min
Lab File: 4p694252.d
Acq: 10 Dec 2024 7:50 pm

Tgt Ion:228 Resp: 183257

Ion	Ratio	Lower	Upper
228	100		
229	19.5	0.0	49.4
226	33.8	0.0	58.6

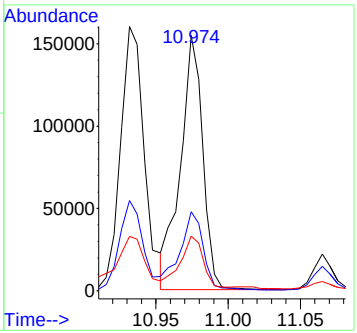


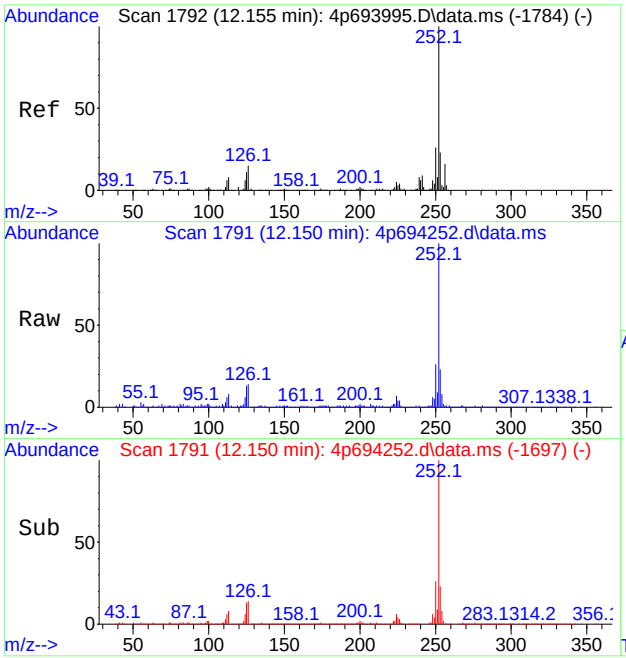


#91
Chrysene
Concen: 23.6338 ppm
RT: 10.974 min Scan# 1571
Delta R.T. -0.005 min
Lab File: 4p694252.d
Acq: 10 Dec 2024 7:50 pm

Tgt Ion:228 Resp: 166713

Ion	Ratio	Lower	Upper
228	100		
226	30.2	1.4	61.4
229	20.6	0.0	49.8

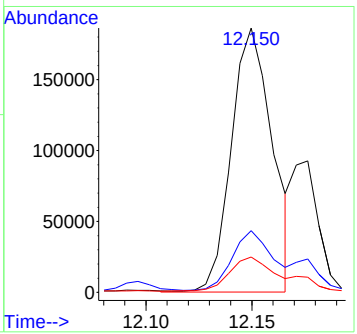


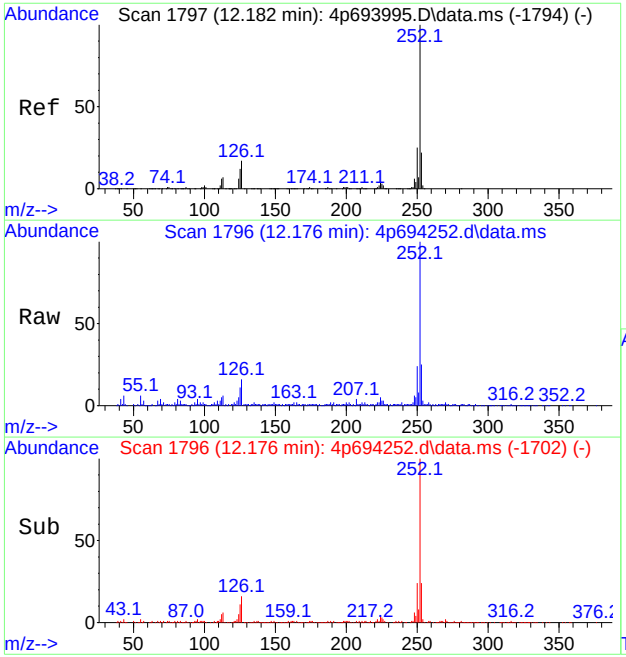


#95
Benzo[b]fluoranthene
Concen: 32.9187 ppm m
RT: 12.150 min Scan# 1791
Delta R.T. -0.000 min
Lab File: 4p694252.d
Acq: 10 Dec 2024 7:50 pm

Tgt Ion:252 Resp: 251218

Ion	Ratio	Lower	Upper
252	100		
253	23.3	0.0	52.4
125	13.4	0.0	42.1

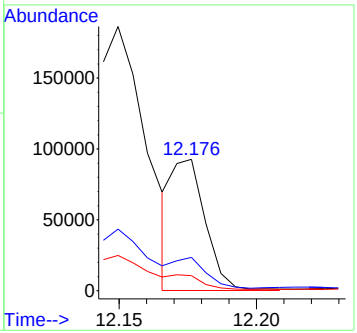


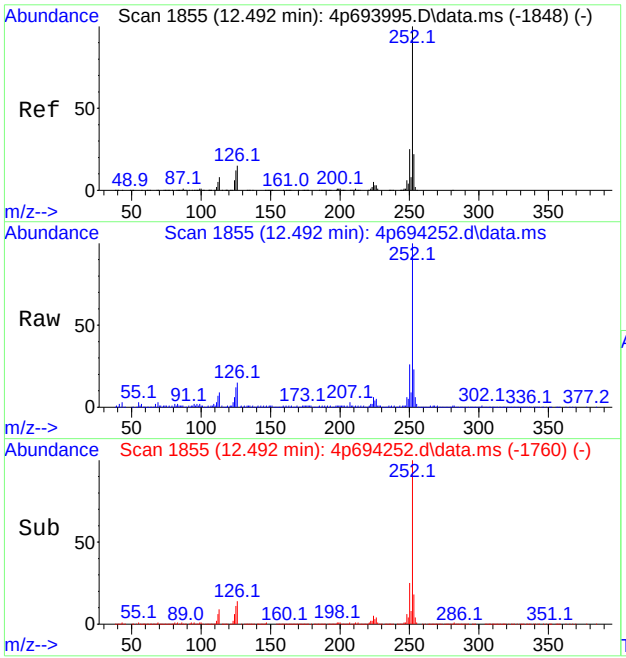


#96
Benzo[k]fluoranthene
Concen: 10.9079 ppm m
RT: 12.176 min Scan# 1796
Delta R.T. -0.000 min
Lab File: 4p694252.d
Acq: 10 Dec 2024 7:50 pm

Tgt Ion:252 Resp: 78930

Ion	Ratio	Lower	Upper
252	100		
253	25.4	0.0	52.3
125	11.5	0.0	41.8

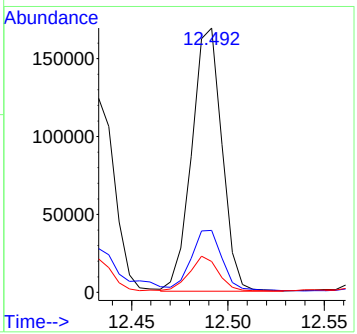


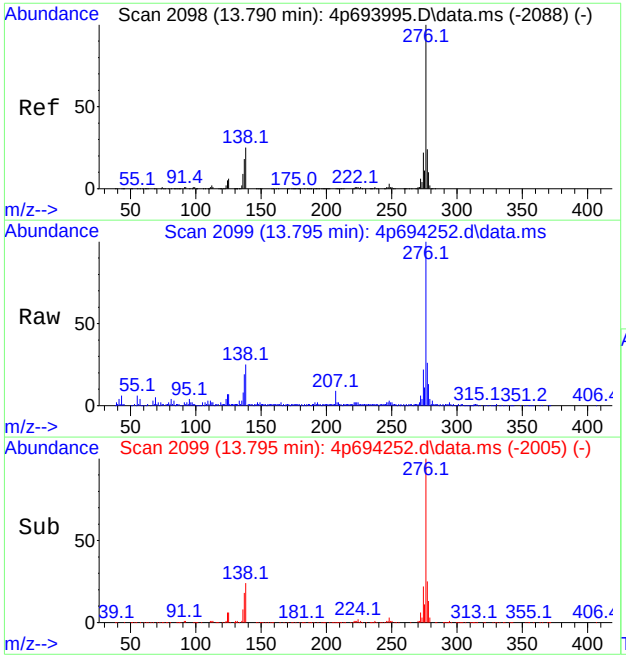


#97
Benzo[a]pyrene
Concen: 28.6191 ppm
RT: 12.492 min Scan# 1855
Delta R.T. 0.005 min
Lab File: 4p694252.d
Acq: 10 Dec 2024 7:50 pm

Tgt Ion:252 Resp: 184646

Ion	Ratio	Lower	Upper
252	100		
253	22.2	0.0	52.1
125	11.0	0.0	42.6

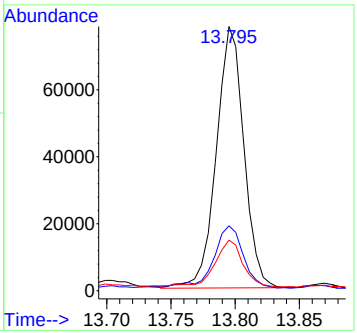


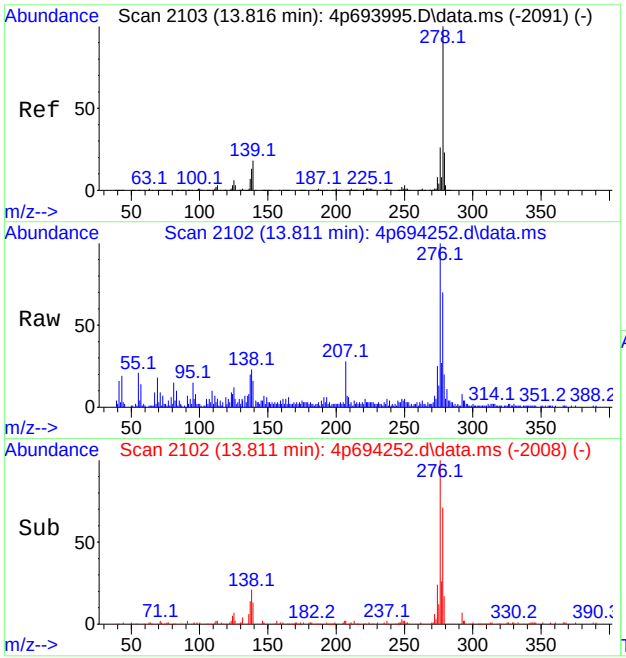


#98
Indeno[1,2,3-cd]pyrene
Concen: 13.6162 ppm
RT: 13.795 min Scan# 2099
Delta R.T. -0.000 min
Lab File: 4p694252.d
Acq: 10 Dec 2024 7:50 pm

Tgt Ion:276 Resp: 116976

Ion	Ratio	Lower	Upper
276	100		
138	23.5	0.0	55.0
137	17.7	0.0	47.3

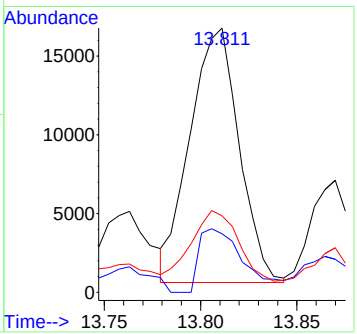


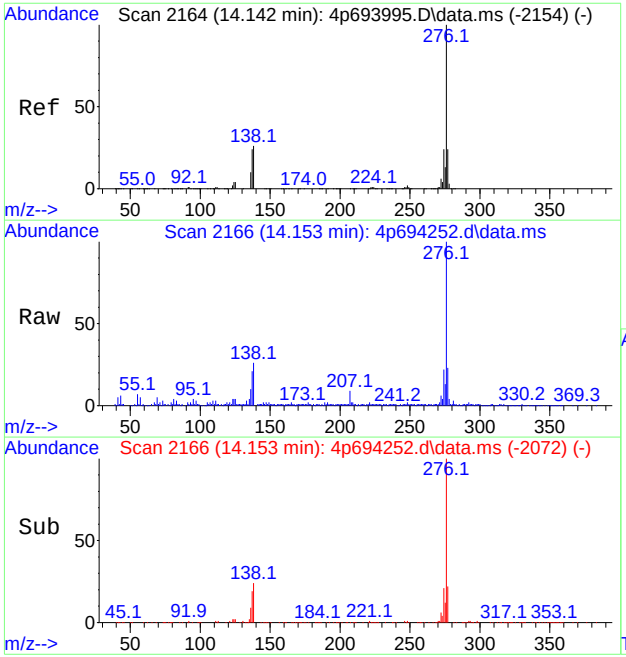


#100
Dibenz[a,h]anthracene
Concen: 4.1225 ppm
RT: 13.811 min Scan# 2102
Delta R.T. -0.000 min
Lab File: 4p694252.d
Acq: 10 Dec 2024 7:50 pm

Tgt Ion:278 Resp: 28722

Ion	Ratio	Lower	Upper
278	100		
139	18.3	0.0	49.7
279	26.2	0.0	53.0

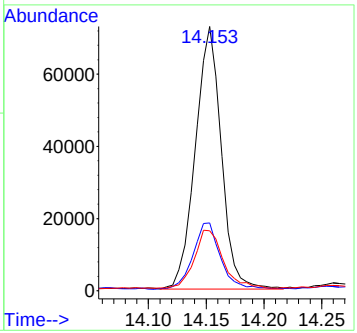




#102
Benzo[g,h,i]perylene
Concen: 17.4717 ppm
RT: 14.153 min Scan# 2166
Delta R.T. -0.000 min
Lab File: 4p694252.d
Acq: 10 Dec 2024 7:50 pm

Tgt Ion:276 Resp: 113643

Ion	Ratio	Lower	Upper
276	100		
138	25.0	0.0	54.1
277	21.8	0.0	53.7



Manual Integrations APPROVED (compounds with "m" flag)
Jon Kreigmor Mamanta 12/05/24 04:59

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\EP7624\
Data File : p163383.d
Acq On : 4 Dec 2024 8:52 pm
Operator : anthonyo
Sample : je1300-28 Inst : GCMSP
Misc : op59834,ep7624,30.0,,,1,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 05 07:51:47 2024
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Dec 05 05:41:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.525	152	121867	40.00	ppm		0.00
24) Naphthalene-d8	5.454	136	413264	40.00	ppm		0.00
46) Acenaphthene-d10	6.843	164	231654	40.00	ppm		0.00
69) Phenanthrene-d10	8.692	188	419744	40.00	ppm		0.00
83) Chrysene-d12	13.965	240	441850	40.00	ppm		0.00
92) Perylene-d12	17.058	264	488382	40.00	ppm		0.02
102) 1,4-Dichlorobenzene-d4A	4.525	152	121867	40.00	ppm		0.00
112) Naphthalene-d8A	5.454	136	413264	40.00	ppm		0.00
121) Acenaphthene-d10A	6.843	164	231654	40.00	ppm		0.00
132) Phenanthrene-d10A	8.692	188	419744	40.00	ppm		0.00
147) Chrysene-d12A	13.965	240	441850	40.00	ppm		0.00
154) Perylene-d12A	17.058	264	488382	40.00	ppm		0.02
158) 1,4-Dichlorobenzene-d4b	4.525	152	121867	40.00	ppm		0.00
160) Phenanthrene-d10b	8.692	188	419744	40.00	ppm		0.00
162) Naphthalene-d8b	5.454	136	413264	40.00	ppm	#	0.00
164) Naphthalene-d8c	5.454	136	413264	40.00	ppm		0.00
168) 1,4-Dichlorobenzene-d4c	4.525	152	121867	40.00	ppm		0.00
170) Chrysene-d12c	13.965	240	441850	40.00	ppm		0.00
172) Chrysene-d12d	13.965	240	441850	40.00	ppm		0.00
174) Naphthalene-d8d	5.454	136	413264	40.00	ppm		0.00
176) Chrysene-d12e	13.965	240	441850	40.00	ppm		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.579	112	52291	14.38	ppm		0.02
Spiked Amount 50.000			Recovery =	28.76%			
8) Phenol-d5	4.311	99	59636	13.66	ppm		0.02
Spiked Amount 50.000			Recovery =	27.32%			
25) Nitrobenzene-d5	4.936	82	77132	24.83	ppm		0.00
Spiked Amount 50.000			Recovery =	49.66%			
51) 2-Fluorobiphenyl	6.250	172	196750	24.57	ppm		0.00
Spiked Amount 50.000			Recovery =	49.14%			
73) 2,4,6-Tribromophenol	7.730	330	31468	31.30	ppm		0.00
Spiked Amount 50.000			Recovery =	62.60%			
86) Terphenyl-d14	11.716	244	240548	22.70	ppm		0.00
Spiked Amount 50.000			Recovery =	45.40%			
Target Compounds							Qvalue
38) Naphthalene	5.471	128	4814	0.4753	ppm		94
44) 2-Methylnaphthalene	5.973	141	3322	0.5227	ppm		94
45) 1-Methylnaphthalene	6.047	142	3063	0.4748	ppm		83
53) Biphenyl	6.331	154	1403	0.1600	ppm		74
56) Acenaphthylene	6.715	152	82235	8.9441	ppm		97
59) Acenaphthene	6.875	153	6970	0.9666	ppm		92
62) Dibenzofuran	7.057	168	4801	0.4732	ppm		86
65) Diethylphthalate	7.282	149	435	0.0533	ppm		78
66) Fluorene	7.442	166	15315m	1.9651	ppm		
77) Phenanthrene	8.724	178	89105	8.3877	ppm		97
78) Anthracene	8.809	178	68773	6.6032	ppm		99
79) Carbazole	9.098	167	8897	0.9016	ppm		87
81) Fluoranthene	10.855	202	218819	17.3944	ppm		98
85) Pyrene	11.299	202	245011	16.3503	ppm		97
88) Benzo[a]anthracene	13.943	228	143407	9.9954	ppm		99
90) Chrysene	14.018	228	144718	10.8105	ppm		96
94) Benzo[b]fluoranthene	16.294	252	184515	12.8067	ppm		97
95) Benzo[k]fluoranthene	16.337	252	71770	5.1207	ppm		97
96) Benzo[a]pyrene	16.935	252	159589	12.8389	ppm		97
97) Indeno[1,2,3-cd]pyrene	19.040	276	118741	8.8710	ppm		93

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\EP7624\
Data File : p163383.d
Acq On : 4 Dec 2024 8:52 pm
Operator : anthonyo
Sample : je1300-28 Inst : GCMSP
Misc : op59834,ep7624,30.0,,,1,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 05 07:51:47 2024
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Dec 05 05:41:19 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99)	Dibenz[a,h]anthracene	19.072	278	35332	2.7256	ppm	90
101)	Benzo[g,h,i]perylene	19.473	276	128259	9.8023	ppm	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

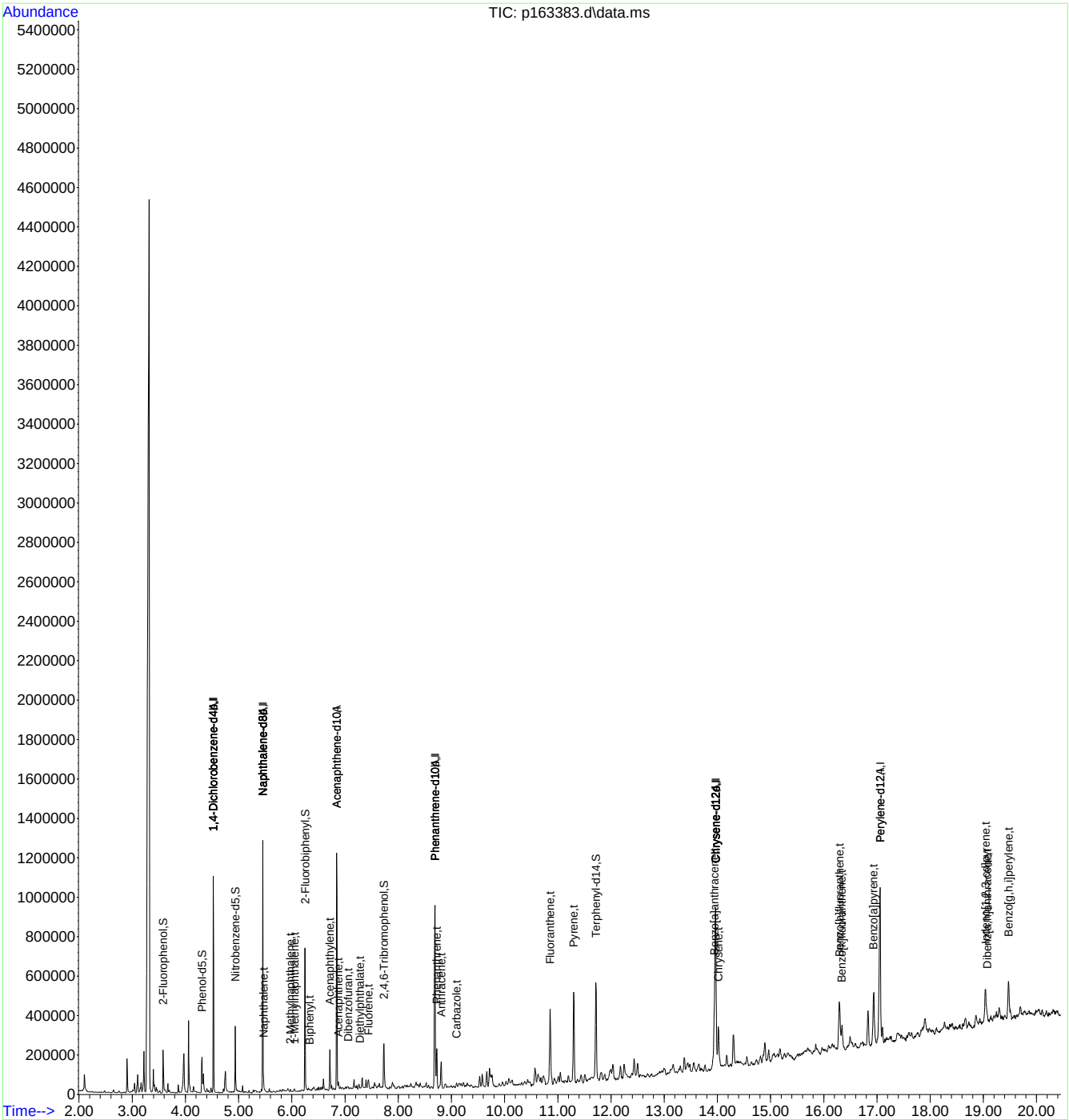
9.1.17

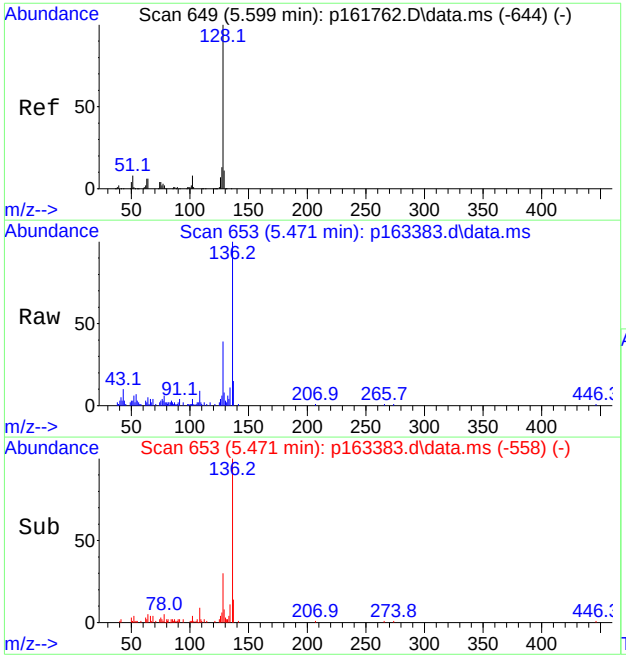
9

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\EP7624\
Data File : p163383.d
Acq On : 4 Dec 2024 8:52 pm
Operator : anthonyo
Sample : je1300-28 Inst : GCMSP
Misc : op59834,ep7624,30.0,,,1,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 05 07:51:47 2024
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Dec 05 05:41:19 2024
Response via : Initial Calibration

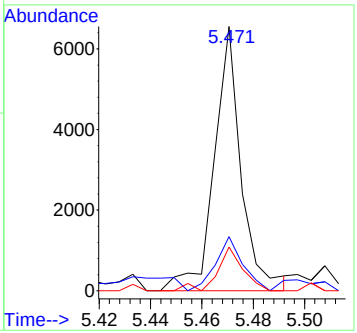


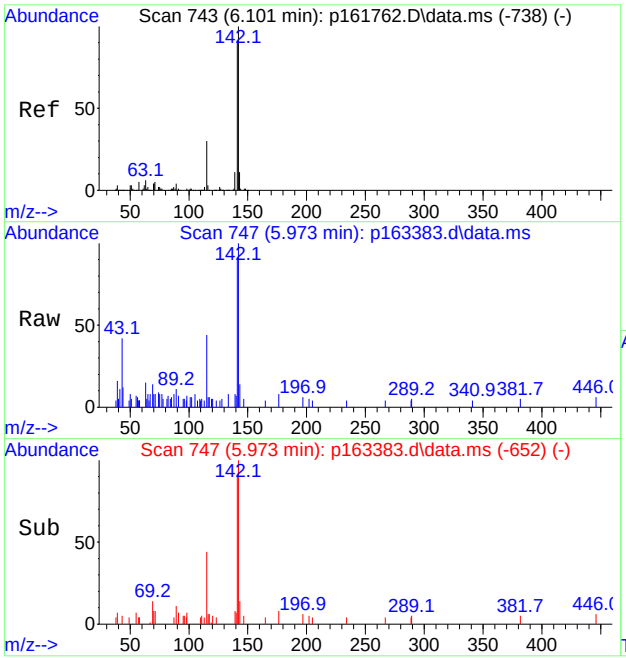


#38
Naphthalene
Concen: 0.4753 ppm
RT: 5.471 min Scan# 653
Delta R.T. 0.006 min
Lab File: p163383.d
Acq: 4 Dec 2024 8:52 pm

Tgt Ion:128 Resp: 4814

Ion	Ratio	Lower	Upper
128	100		
129	15.3	0.0	42.3
127	17.0	0.0	45.4

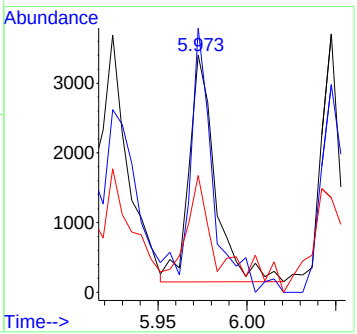


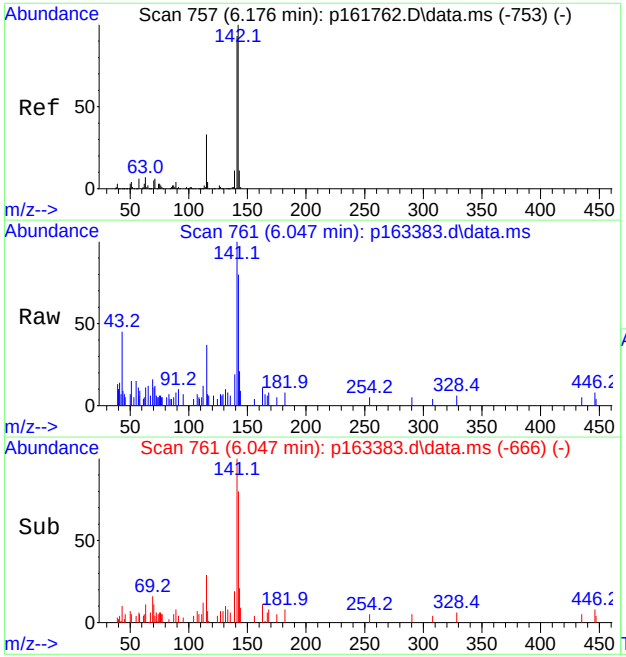


#44
2-Methylnaphthalene
Concen: 0.5227 ppm
RT: 5.973 min Scan# 747
Delta R.T. 0.006 min
Lab File: p163383.d
Acq: 4 Dec 2024 8:52 pm

Tgt Ion:141 Resp: 3322

Ion	Ratio	Lower	Upper
141	100		
142	111.9	78.1	138.1
115	47.8	9.4	69.4

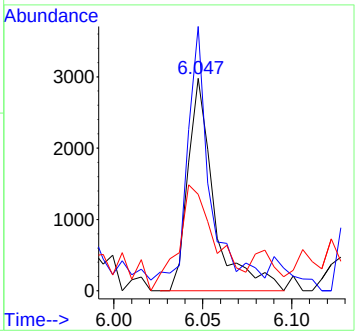


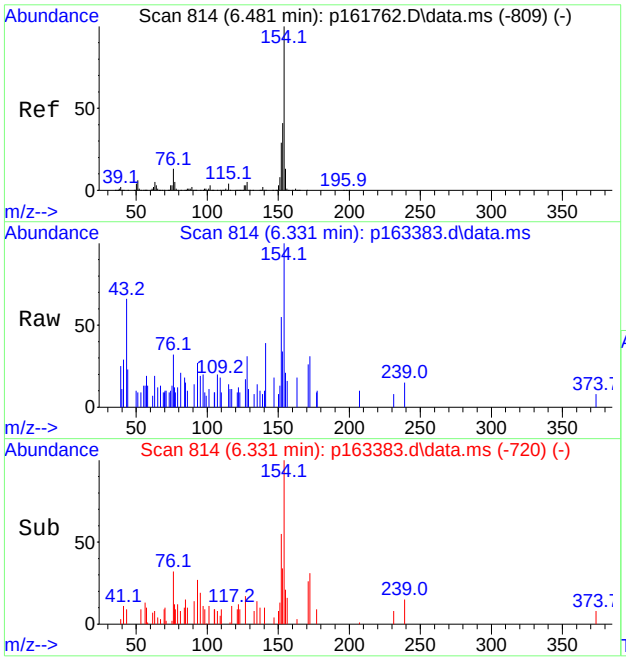


#45
1-Methylnaphthalene
Concen: 0.4748 ppm
RT: 6.047 min Scan# 761
Delta R.T. 0.006 min
Lab File: p163383.d
Acq: 4 Dec 2024 8:52 pm

Tgt Ion:142 Resp: 3063

Ion	Ratio	Lower	Upper
142	100		
141	114.7	62.7	122.7
115	38.2	6.9	66.9

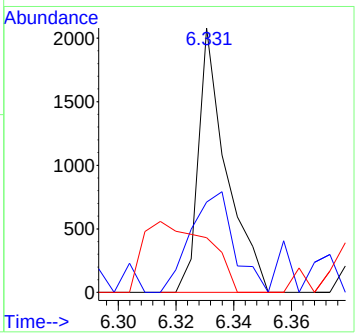


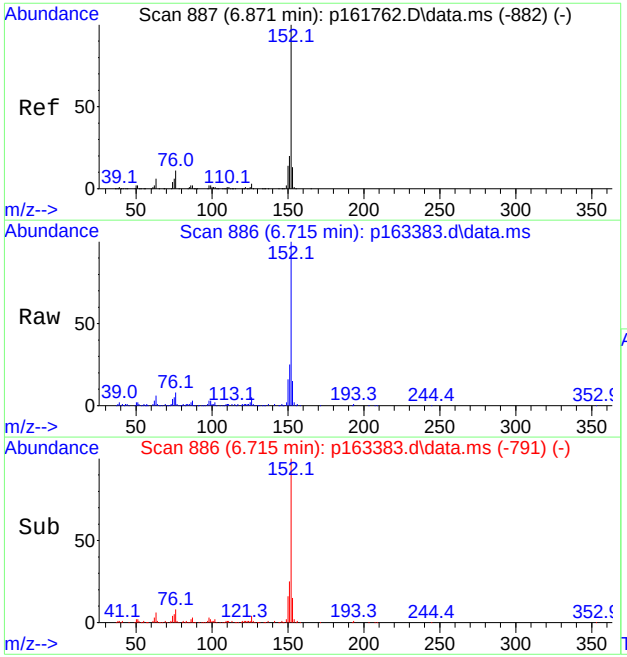


#53
Biphenyl
Concen: 0.1600 ppm
RT: 6.331 min Scan# 814
Delta R.T. 0.000 min
Lab File: p163383.d
Acq: 4 Dec 2024 8:52 pm

Tgt Ion:154 Resp: 1403

Ion	Ratio	Lower	Upper
154	100		
153	24.4	12.8	72.8
155	7.2	0.0	43.8

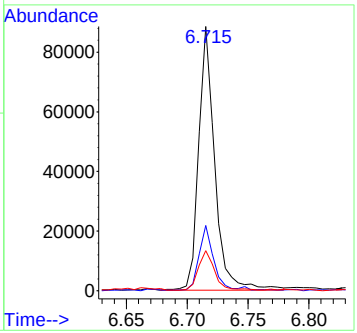


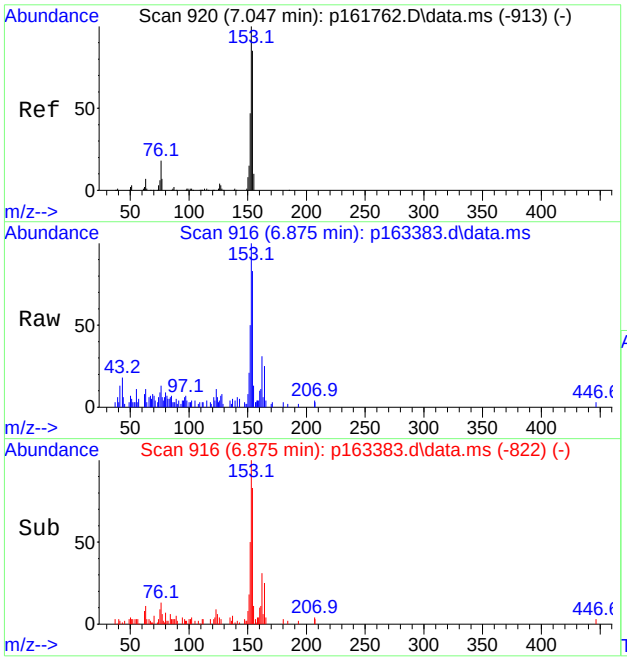


#56
Acenaphthylene
Concen: 8.9441 ppm
RT: 6.715 min Scan# 886
Delta R.T. 0.005 min
Lab File: p163383.d
Acq: 4 Dec 2024 8:52 pm

Tgt Ion:152 Resp: 82235

Ion	Ratio	Lower	Upper
152	100		
151	24.5	0.0	52.4
153	14.6	0.0	44.7

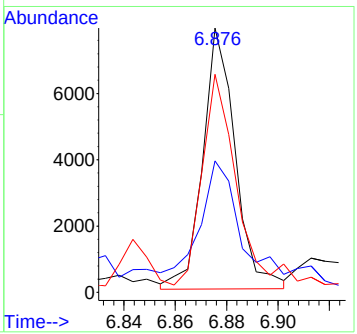


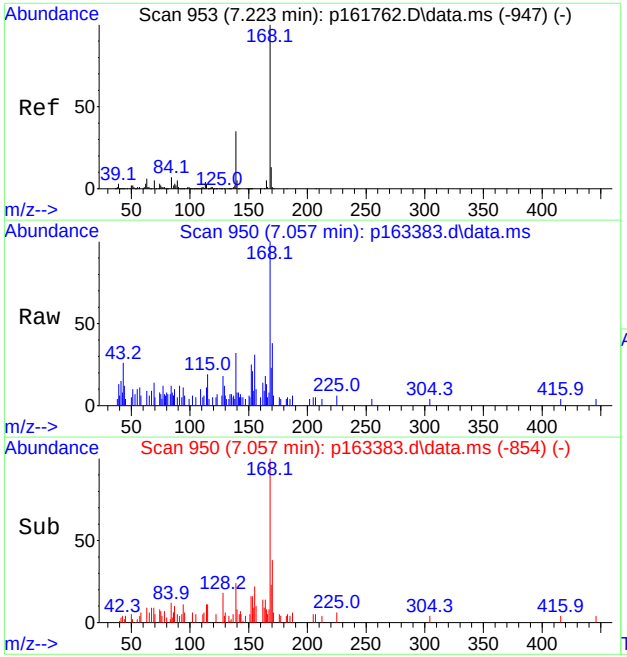


#59
Acenaphthene
Concen: 0.9666 ppm
RT: 6.875 min Scan# 916
Delta R.T. 0.000 min
Lab File: p163383.d
Acq: 4 Dec 2024 8:52 pm

Tgt Ion:153 Resp: 6970

Ion	Ratio	Lower	Upper
153	100		
152	44.3	19.1	79.1
154	77.8	55.0	115.0

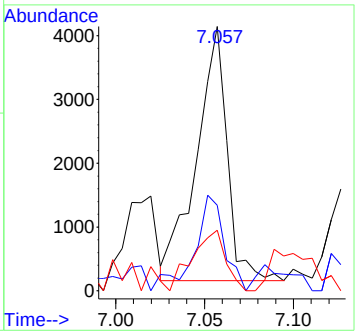


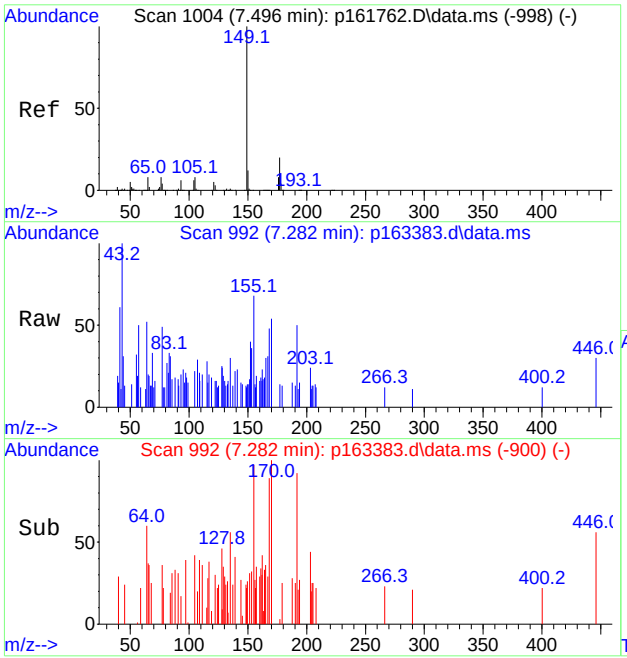


#62
Dibenzofuran
Concen: 0.4732 ppm
RT: 7.057 min Scan# 950
Delta R.T. 0.011 min
Lab File: p163383.d
Acq: 4 Dec 2024 8:52 pm

Tgt Ion:168 Resp: 4801

Ion	Ratio	Lower	Upper
168	100		
139	27.9	9.4	69.4
169	15.5	0.0	44.5

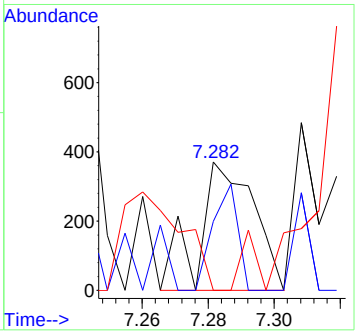


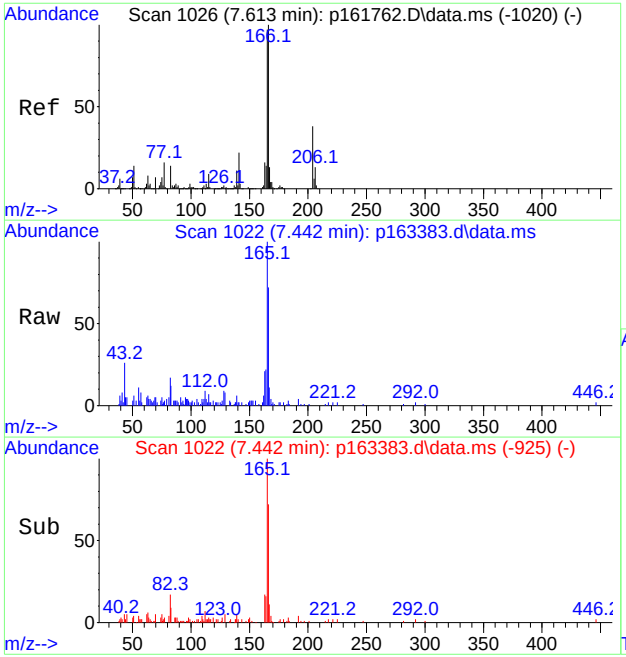


#65
Diethylphthalate
Concen: 0.0533 ppm
RT: 7.282 min Scan# 992
Delta R.T. -0.011 min
Lab File: p163383.d
Acq: 4 Dec 2024 8:52 pm

Tgt Ion:149 Resp: 435

Ion	Ratio	Lower	Upper
149	100		
177	28.2	0.0	50.3
150	1.2	0.0	43.3

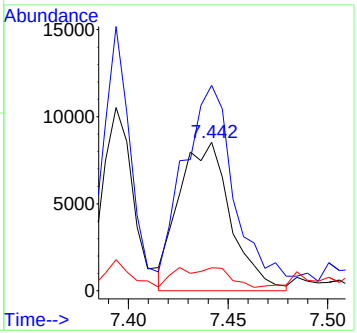


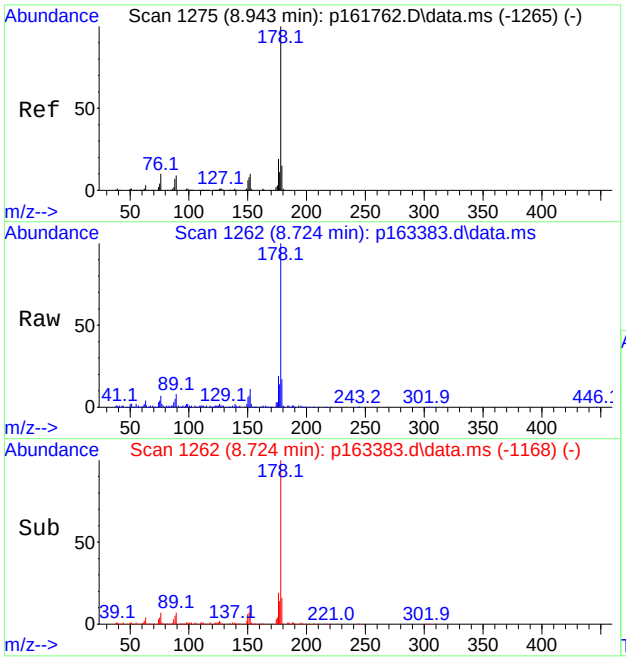


#66
Fluorene
Concen: 1.9651 ppm m
RT: 7.442 min Scan# 1022
Delta R.T. 0.016 min
Lab File: p163383.d
Acq: 4 Dec 2024 8:52 pm

Tgt Ion:166 Resp: 15315

Ion	Ratio	Lower	Upper
166	100		
165	138.4	66.7	126.7#
167	15.6	0.0	44.5

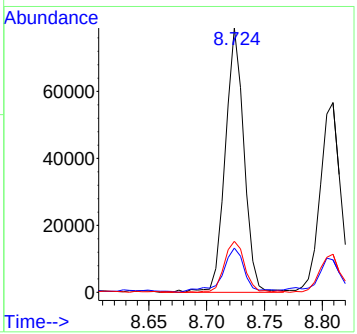


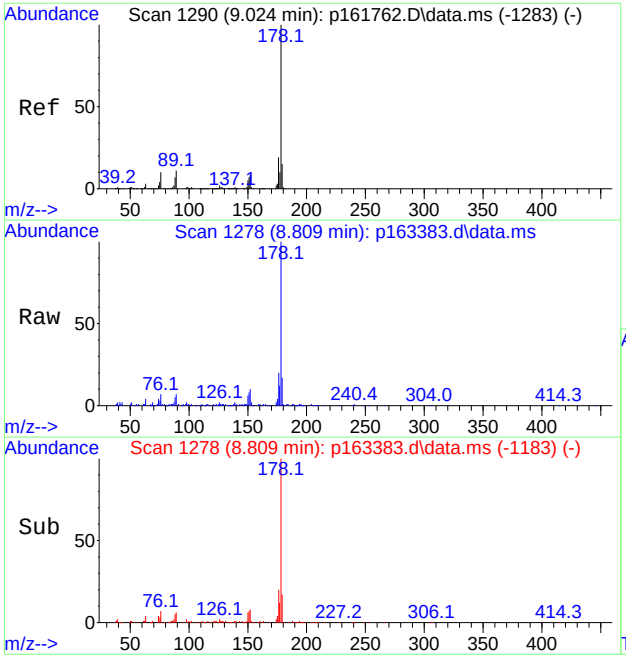


#77
Phenanthrene
Concen: 8.3877 ppm
RT: 8.724 min Scan# 1262
Delta R.T. 0.000 min
Lab File: p163383.d
Acq: 4 Dec 2024 8:52 pm

Tgt Ion:178 Resp: 89105

Ion	Ratio	Lower	Upper
178	100		
179	16.1	0.0	46.7
176	19.0	0.0	51.0

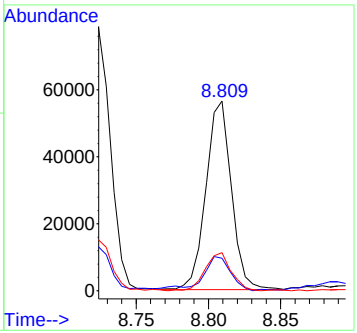


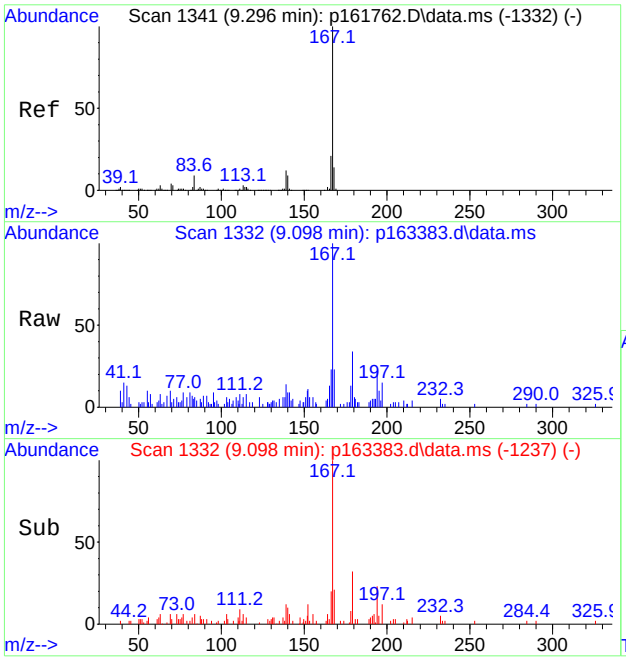


#78
Anthracene
Concen: 6.6032 ppm
RT: 8.809 min Scan# 1278
Delta R.T. 0.005 min
Lab File: p163383.d
Acq: 4 Dec 2024 8:52 pm

Tgt Ion:178 Resp: 68773

Ion	Ratio	Lower	Upper
178	100		
179	16.4	0.0	46.6
176	20.0	0.0	50.2

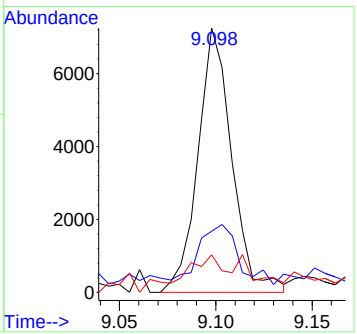


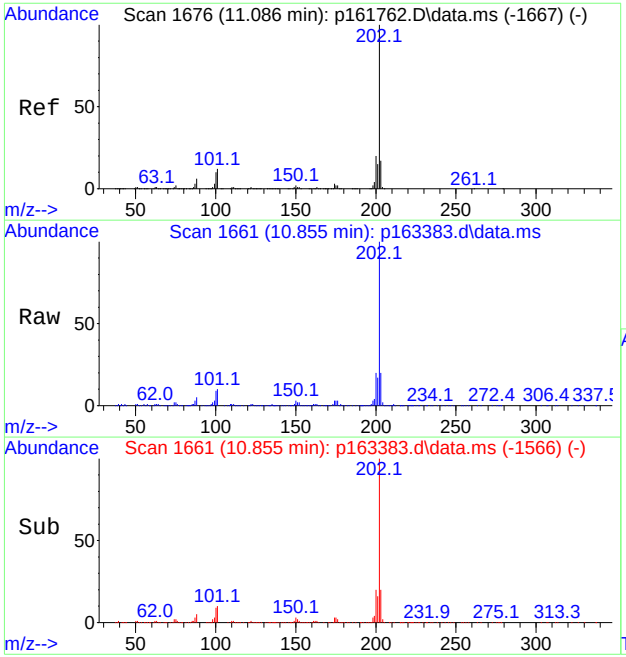


#79
Carbazole
Concen: 0.9016 ppm
RT: 9.098 min Scan# 1332
Delta R.T. 0.005 min
Lab File: p163383.d
Acq: 4 Dec 2024 8:52 pm

Tgt Ion:167 Resp: 8897

Ion	Ratio	Lower	Upper
167	100		
166	17.2	0.0	54.3
139	10.6	0.0	44.6

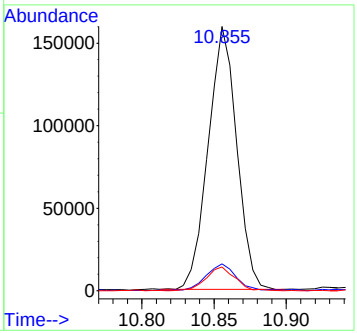


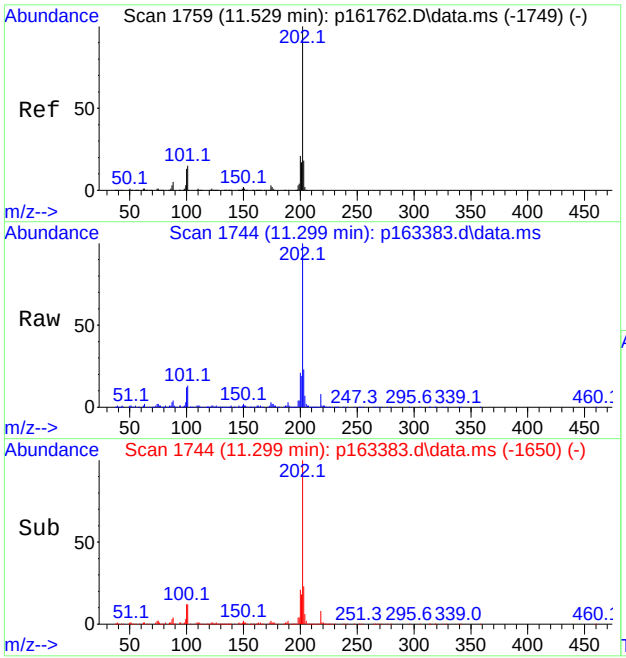


#81
Fluoranthene
Concen: 17.3944 ppm
RT: 10.855 min Scan# 1661
Delta R.T. 0.005 min
Lab File: p163383.d
Acq: 4 Dec 2024 8:52 pm

Tgt Ion:202 Resp: 218819

Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	40.8
100	9.0	0.0	38.6

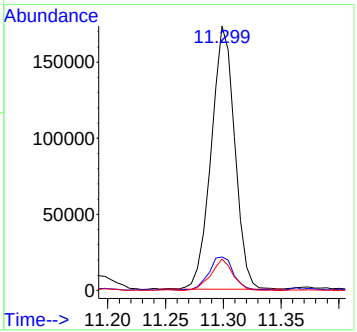


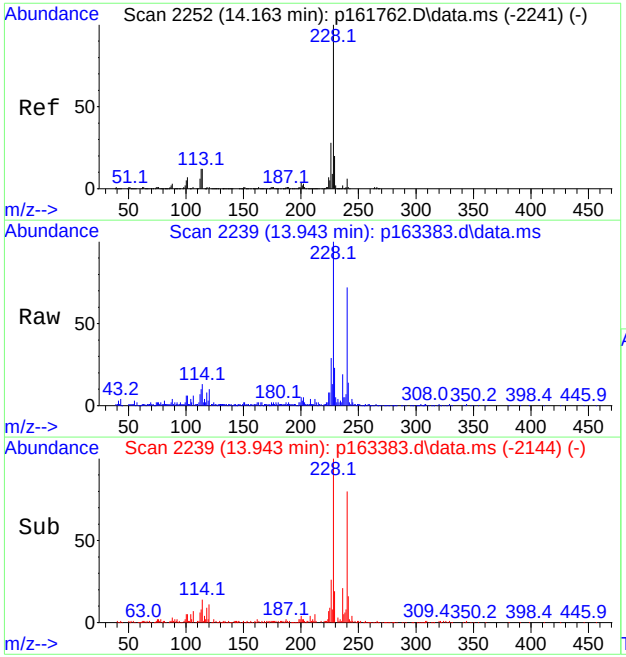


#85
Pyrene
Concen: 16.3503 ppm
RT: 11.299 min Scan# 1744
Delta R.T. 0.000 min
Lab File: p163383.d
Acq: 4 Dec 2024 8:52 pm

Tgt Ion:202 Resp: 245011

Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	42.2
100	11.8	0.0	39.3

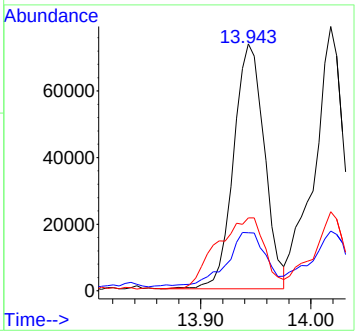


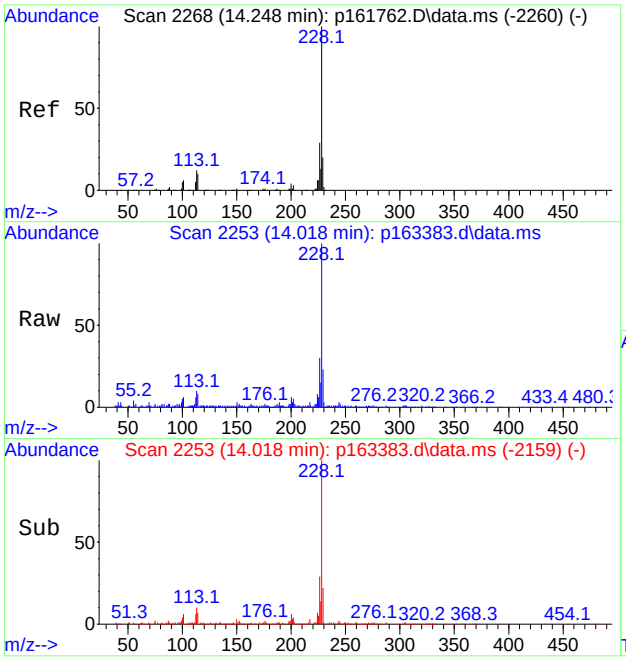


#88
Benzo[a]anthracene
Concen: 9.9954 ppm
RT: 13.943 min Scan# 2239
Delta R.T. 0.005 min
Lab File: p163383.d
Acq: 4 Dec 2024 8:52 pm

Tgt Ion:228 Resp: 143407

Ion	Ratio	Lower	Upper
228	100		
229	20.6	0.0	50.4
226	28.3	0.0	57.8

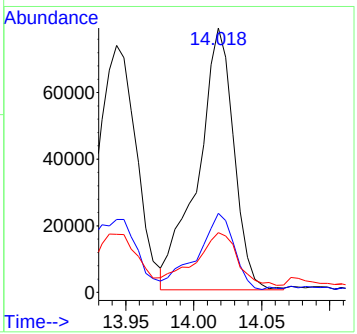


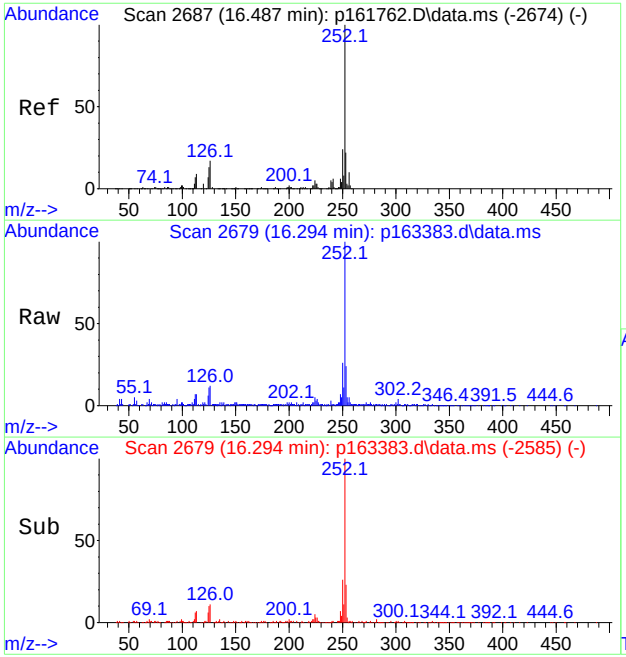


#90
Chrysene
Concen: 10.8105 ppm
RT: 14.018 min Scan# 2253
Delta R.T. 0.000 min
Lab File: p163383.d
Acq: 4 Dec 2024 8:52 pm

Tgt Ion:228 Resp: 144718

Ion	Ratio	Lower	Upper
228	100		
226	28.5	1.3	61.3
229	19.5	0.0	51.0

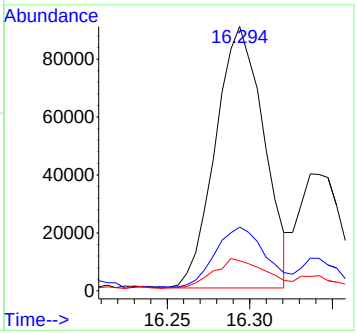


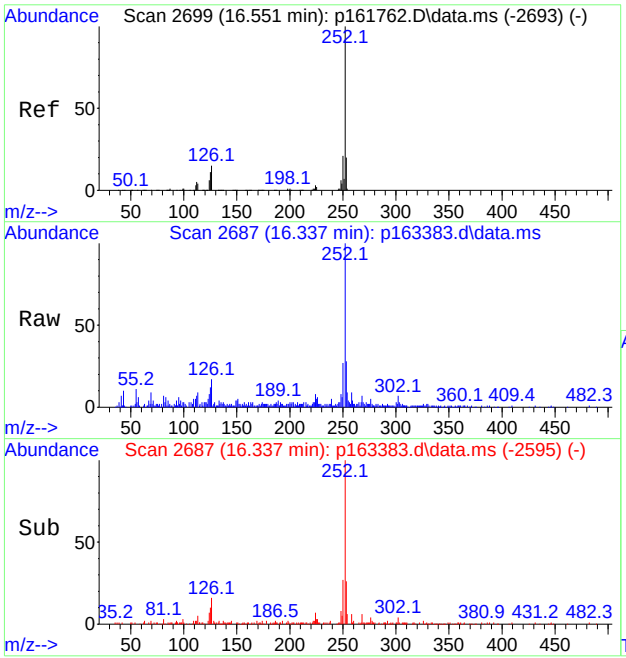


#94
Benzo[b]fluoranthene
Concen: 12.8067 ppm
RT: 16.294 min Scan# 2679
Delta R.T. 0.000 min
Lab File: p163383.d
Acq: 4 Dec 2024 8:52 pm

Tgt Ion:252 Resp: 184515

Ion	Ratio	Lower	Upper
252	100		
253	22.4	0.0	53.6
125	10.1	0.0	41.1

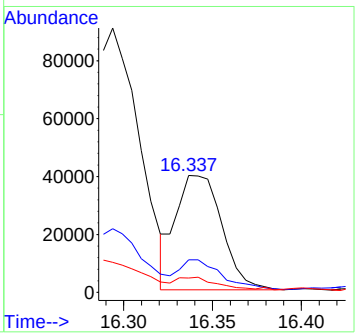


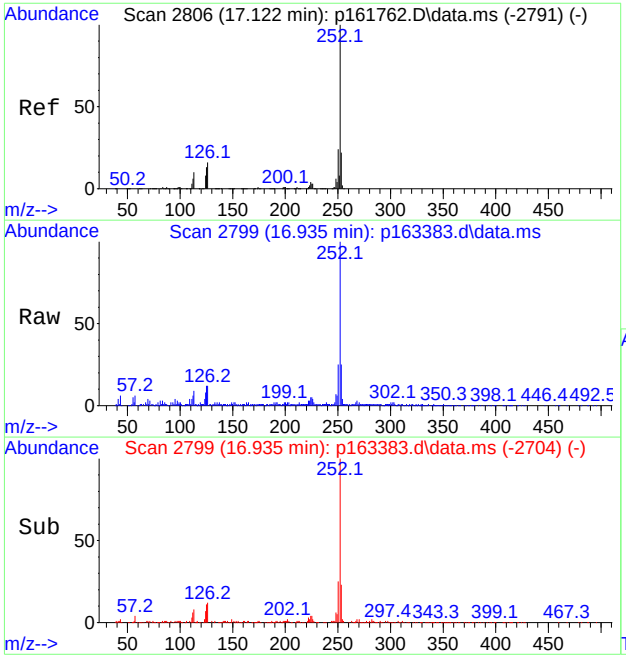


#95
Benzo[k]fluoranthene
Concen: 5.1207 ppm
RT: 16.337 min Scan# 2687
Delta R.T. -0.011 min
Lab File: p163383.d
Acq: 4 Dec 2024 8:52 pm

Tgt Ion:252 Resp: 71770

Ion	Ratio	Lower	Upper
252	100		
253	25.4	0.0	53.9
125	8.7	0.0	40.0

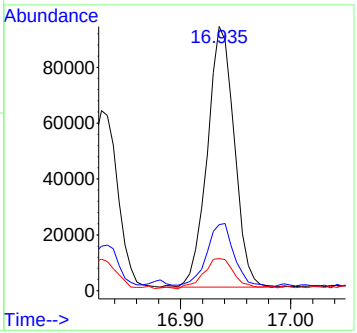


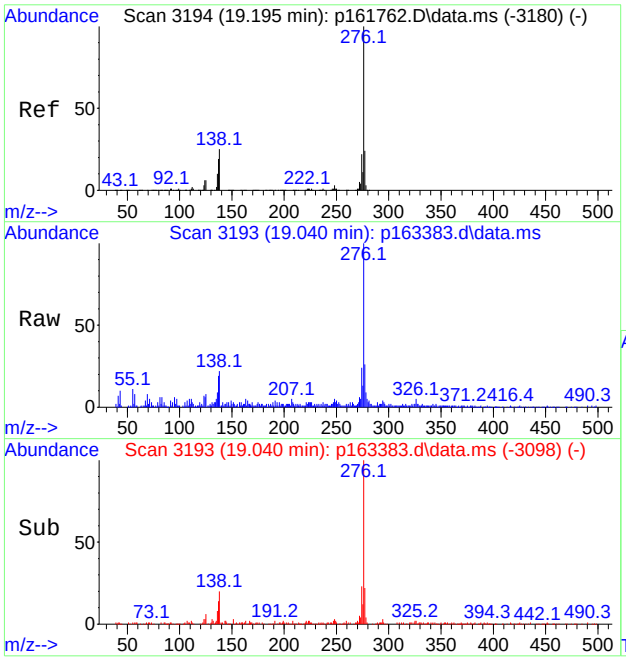


#96
Benzo[a]pyrene
Concen: 12.8389 ppm
RT: 16.935 min Scan# 2799
Delta R.T. 0.006 min
Lab File: p163383.d
Acq: 4 Dec 2024 8:52 pm

Tgt Ion:252 Resp: 159589

Ion	Ratio	Lower	Upper
252	100		
253	21.9	0.0	53.3
125	10.8	0.0	42.3

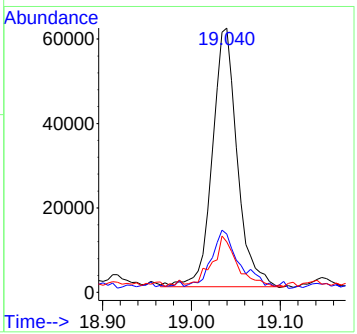


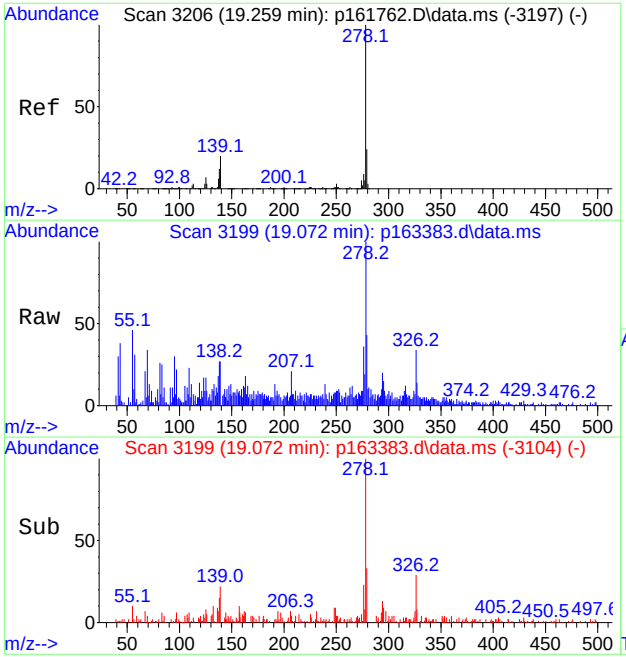


#97
Indeno[1,2,3-cd]pyrene
Concen: 8.8710 ppm
RT: 19.040 min Scan# 3193
Delta R.T. 0.005 min
Lab File: p163383.d
Acq: 4 Dec 2024 8:52 pm

Tgt Ion:276 Resp: 118741

Ion	Ratio	Lower	Upper
276	100		
138	19.1	0.0	44.6
137	16.4	0.0	45.0

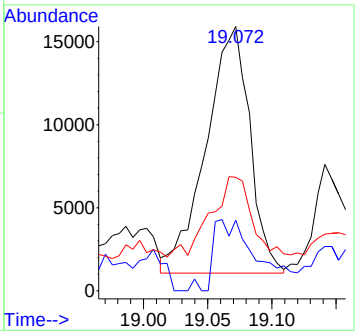


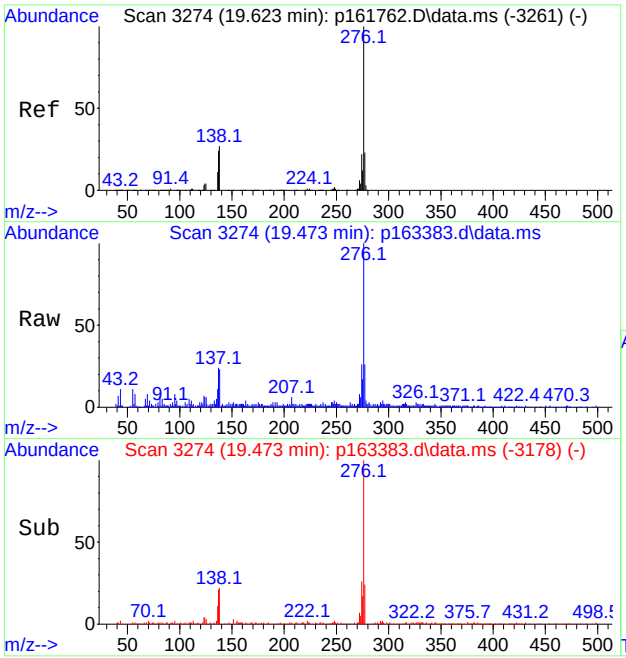


#99
Dibenz[a,h]anthracene
Concen: 2.7256 ppm
RT: 19.072 min Scan# 3199
Delta R.T. 0.006 min
Lab File: p163383.d
Acq: 4 Dec 2024 8:52 pm

Tgt Ion:278 Resp: 35332

Ion	Ratio	Lower	Upper
278	100		
139	18.9	0.0	46.6
279	31.8	0.0	54.9

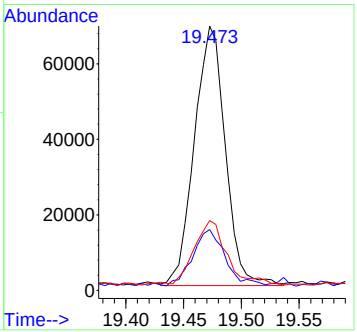




#101
Benzo[g,h,i]perylene
Concen: 9.8023 ppm
RT: 19.473 min Scan# 3274
Delta R.T. 0.011 min
Lab File: p163383.d
Acq: 4 Dec 2024 8:52 pm

Tgt Ion:276 Resp: 128259

Ion	Ratio	Lower	Upper
276	100		
138	20.0	0.0	52.1
277	24.4	0.0	55.6



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\EP7624\
Data File : p163384.d
Acq On : 4 Dec 2024 9:17 pm
Operator : anthonyo
Sample : je1300-30 Inst : GCMSP
Misc : op59834,ep7624,30.9,,,1,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 05 08:01:48 2024
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Dec 05 05:41:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.525	152	106297	40.00	ppm		0.00
24) Naphthalene-d8	5.454	136	376977	40.00	ppm		0.00
46) Acenaphthene-d10	6.849	164	224190	40.00	ppm		0.00
69) Phenanthrene-d10	8.692	188	434014	40.00	ppm		0.00
83) Chrysene-d12	13.965	240	448292	40.00	ppm		0.00
92) Perylene-d12	17.058	264	462315	40.00	ppm		0.02
102) 1,4-Dichlorobenzene-d4A	4.525	152	106297	40.00	ppm		0.00
112) Naphthalene-d8A	5.454	136	376977	40.00	ppm		0.00
121) Acenaphthene-d10A	6.849	164	224190	40.00	ppm		0.00
132) Phenanthrene-d10A	8.692	188	434014	40.00	ppm		0.00
147) Chrysene-d12A	13.965	240	448292	40.00	ppm		0.00
154) Perylene-d12A	17.058	264	462315	40.00	ppm		0.02
158) 1,4-Dichlorobenzene-d4b	4.525	152	106297	40.00	ppm		0.00
160) Phenanthrene-d10b	8.692	188	434014	40.00	ppm		0.00
162) Naphthalene-d8b	5.454	136	376977	40.00	ppm	#	0.00
164) Naphthalene-d8c	5.454	136	376977	40.00	ppm		0.00
168) 1,4-Dichlorobenzene-d4c	4.525	152	106297	40.00	ppm		0.00
170) Chrysene-d12c	13.965	240	448272	40.00	ppm		0.00
172) Chrysene-d12d	13.965	240	448292	40.00	ppm		0.00
174) Naphthalene-d8d	5.454	136	376977	40.00	ppm		0.00
176) Chrysene-d12e	13.965	240	448292	40.00	ppm		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.574	112	93246	29.39	ppm		0.02
Spiked Amount 50.000			Recovery =	58.78%			
8) Phenol-d5	4.306	99	117924	30.97	ppm		0.02
Spiked Amount 50.000			Recovery =	61.94%			
25) Nitrobenzene-d5	4.936	82	114351	40.35	ppm		0.00
Spiked Amount 50.000			Recovery =	80.70%			
51) 2-Fluorobiphenyl	6.250	172	304613	39.31	ppm		0.00
Spiked Amount 50.000			Recovery =	78.62%			
73) 2,4,6-Tribromophenol	7.730	330	48714	46.86	ppm		0.00
Spiked Amount 50.000			Recovery =	93.72%			
86) Terphenyl-d14	11.721	244	421088	39.16	ppm		0.01
Spiked Amount 50.000			Recovery =	78.32%			
Target Compounds							Qvalue
38) Naphthalene	5.471	128	2017	0.2183	ppm		82
44) 2-Methylnaphthalene	5.978	141	1631	0.2813	ppm		96
45) 1-Methylnaphthalene	6.047	142	1851	0.3145	ppm		79
53) Biphenyl	6.331	154	1383	0.1629	ppm		68
56) Acenaphthylene	6.715	152	62974	7.0772	ppm		99
59) Acenaphthene	6.875	153	7238	1.0372	ppm		91
62) Dibenzofuran	7.052	168	4560	0.4644	ppm		83
66) Fluorene	7.431	166	14978	1.9858	ppm		94
77) Phenanthrene	8.724	178	103038	9.3803	ppm		100
78) Anthracene	8.809	178	62134	5.7697	ppm		96
79) Carbazole	9.103	167	9796	0.9601	ppm		96
81) Fluoranthene	10.861	202	283656	21.8071	ppm		98
85) Pyrene	11.304	202	316101	20.7912	ppm		98
88) Benzo[a]anthracene	13.949	228	173598	11.9258	ppm		96
90) Chrysene	14.018	228	171950	12.6602	ppm		98
94) Benzo[b]fluoranthene	16.294	252	205567	15.0724	ppm		96
95) Benzo[k]fluoranthene	16.342	252	73999	5.5775	ppm		96
96) Benzo[a]pyrene	16.940	252	166052	14.1120	ppm		99
97) Indeno[1,2,3-cd]pyrene	19.040	276	114742	9.0555	ppm		93
99) Dibenz[a,h]anthracene	19.072	278	36872	3.0047	ppm		97

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\EP7624\
Data File : p163384.d
Acq On : 4 Dec 2024 9:17 pm
Operator : anthonyo
Sample : je1300-30 Inst : GCMSP
Misc : op59834,ep7624,30.9,,,1,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 05 08:01:48 2024
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Dec 05 05:41:19 2024
Response via : Initial Calibration

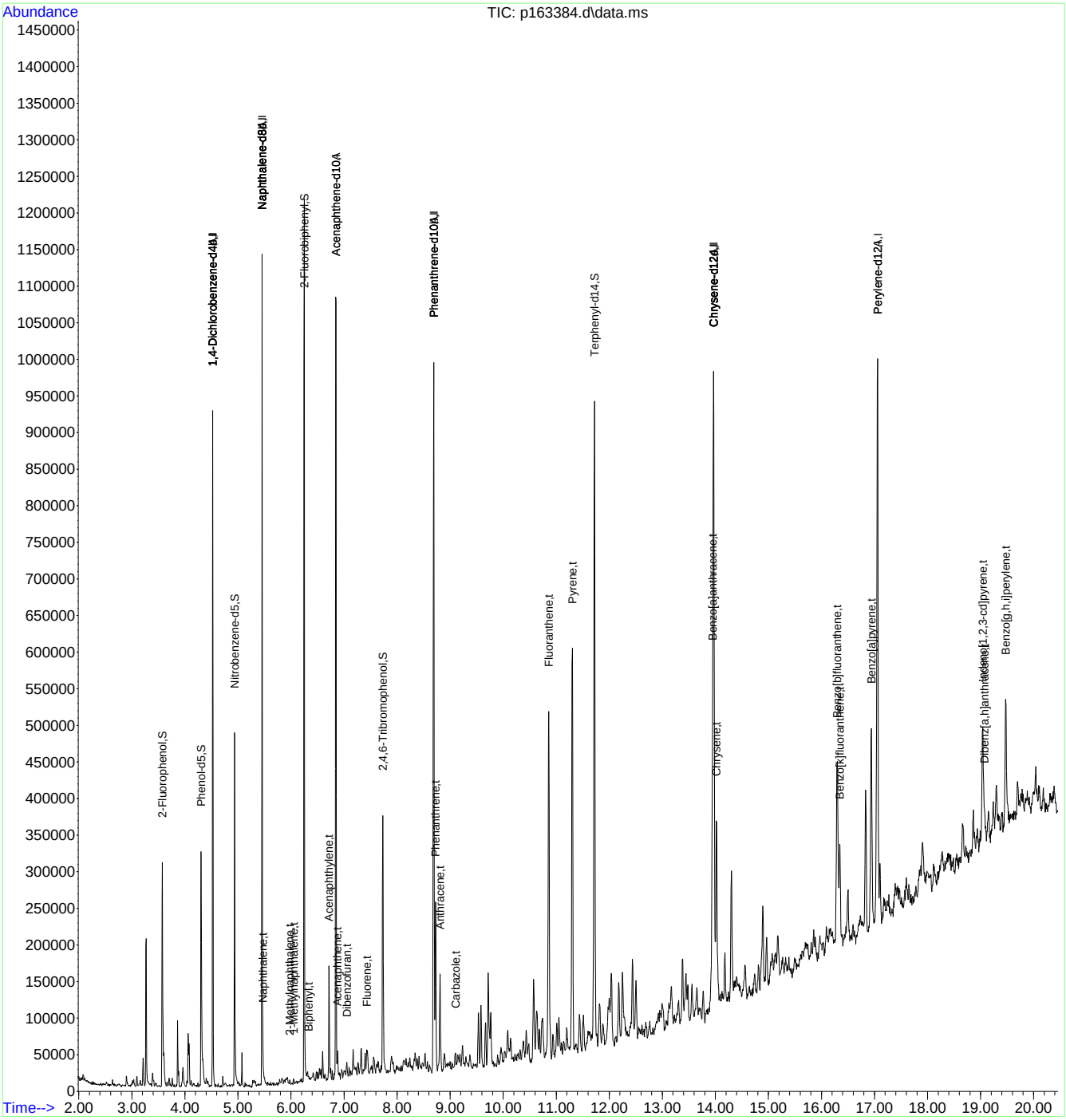
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101) Benzo[g,h,i]perylene	19.473	276	115608	9.3336	ppm	99

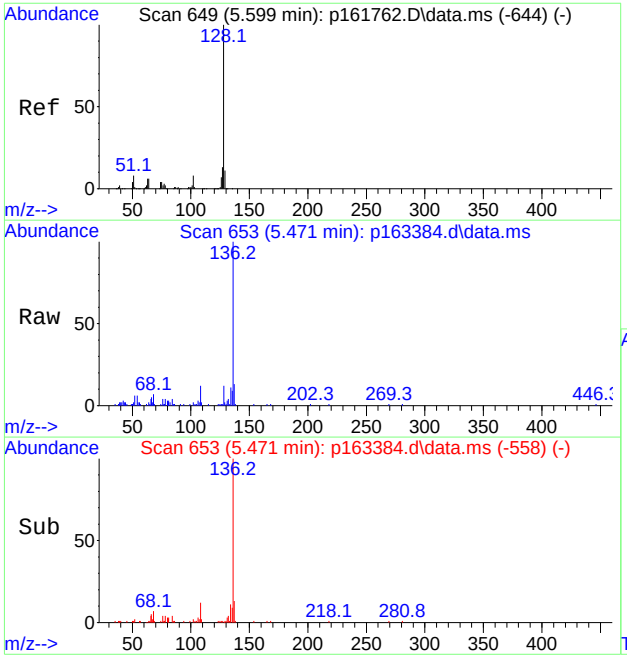
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\EP7624\
Data File : p163384.d
Acq On : 4 Dec 2024 9:17 pm
Operator : anthonyo
Sample : je1300-30 Inst : GCMSP
Misc : op59834,ep7624,30.9,,,1,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 05 08:01:48 2024
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Dec 05 05:41:19 2024
Response via : Initial Calibration

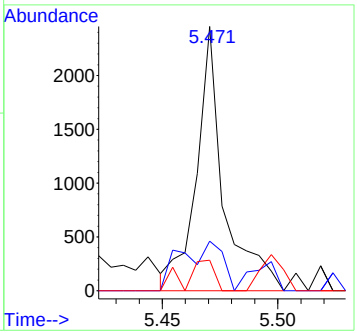


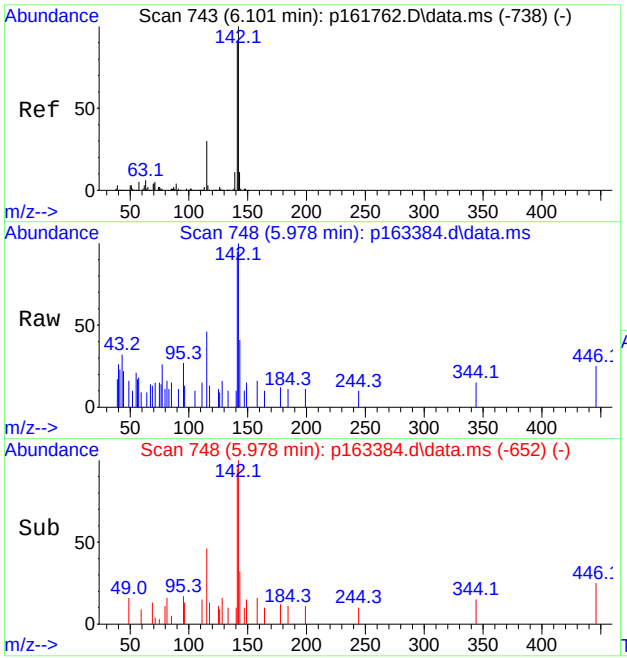


#38
Naphthalene
Concen: 0.2183 ppm
RT: 5.471 min Scan# 653
Delta R.T. 0.006 min
Lab File: p163384.d
Acq: 4 Dec 2024 9:17 pm

Tgt Ion:128 Resp: 2017

Ion	Ratio	Lower	Upper
128	100		
129	19.4	0.0	42.3
127	7.8	0.0	45.4

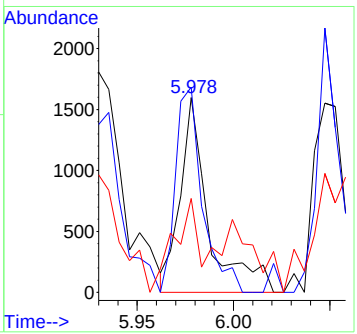


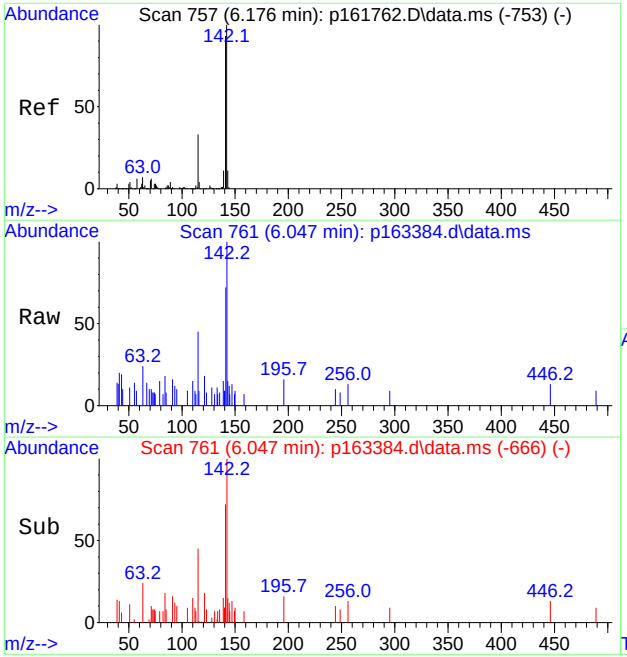


#44
2-Methylnaphthalene
Concen: 0.2813 ppm
RT: 5.978 min Scan# 748
Delta R.T. 0.011 min
Lab File: p163384.d
Acq: 4 Dec 2024 9:17 pm

Tgt Ion:141 Resp: 1631

Ion	Ratio	Lower	Upper
141	100		
142	110.8	78.1	138.1
115	44.4	9.4	69.4

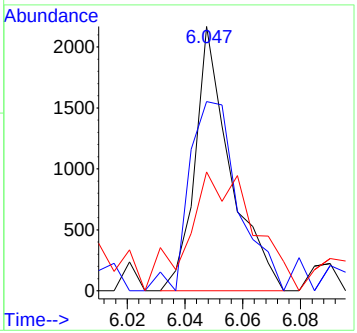


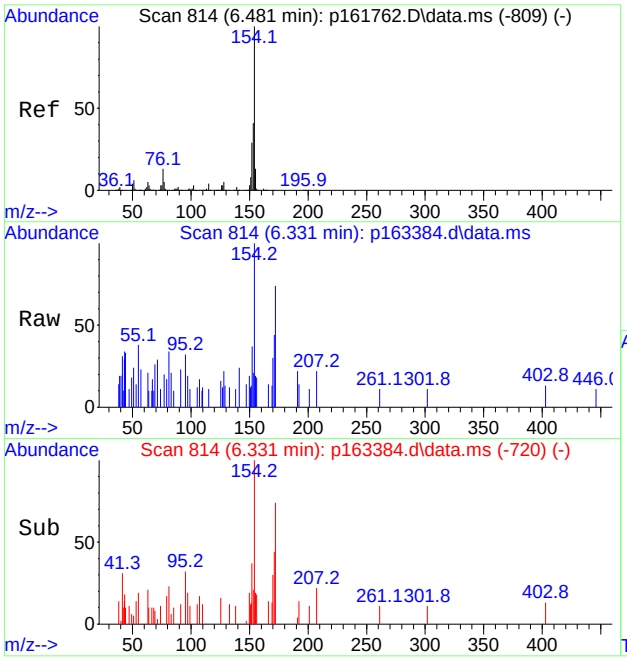


#45
1-Methylnaphthalene
Concen: 0.3145 ppm
RT: 6.047 min Scan# 761
Delta R.T. 0.005 min
Lab File: p163384.d
Acq: 4 Dec 2024 9:17 pm

Tgt Ion:142 Resp: 1851

Ion	Ratio	Lower	Upper
142	100		
141	67.9	62.7	122.7
115	31.3	6.9	66.9

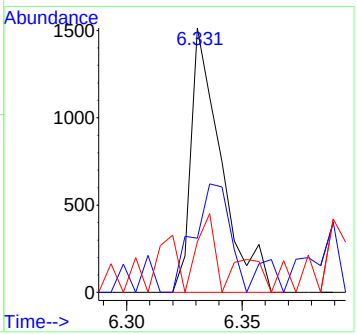


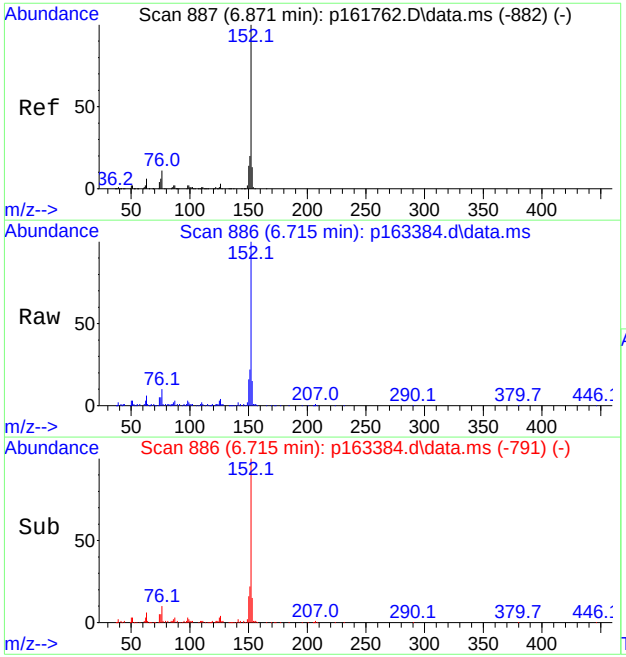


#53
Biphenyl
Concen: 0.1629 ppm
RT: 6.331 min Scan# 814
Delta R.T. 0.000 min
Lab File: p163384.d
Acq: 4 Dec 2024 9:17 pm

Tgt Ion:154 Resp: 1383

Ion	Ratio	Lower	Upper
154	100		
153	20.5	12.8	72.8
155	4.3	0.0	43.8

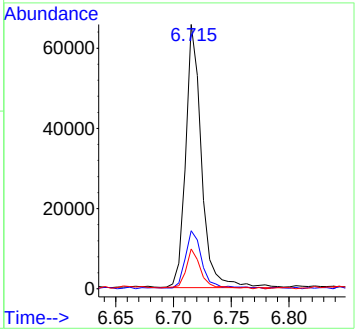


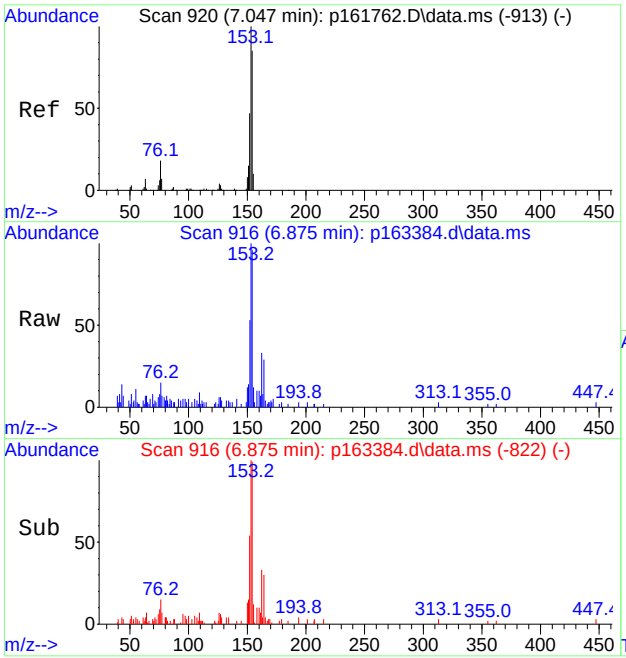


#56
Acenaphthylene
Concen: 7.0772 ppm
RT: 6.715 min Scan# 886
Delta R.T. 0.005 min
Lab File: p163384.d
Acq: 4 Dec 2024 9:17 pm

Tgt Ion:152 Resp: 62974

Ion	Ratio	Lower	Upper
152	100		
151	21.6	0.0	52.4
153	14.8	0.0	44.7

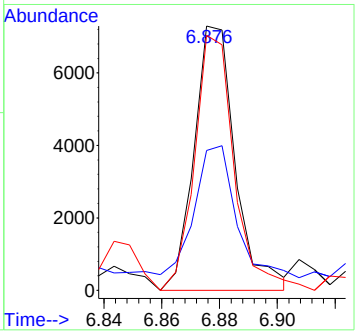


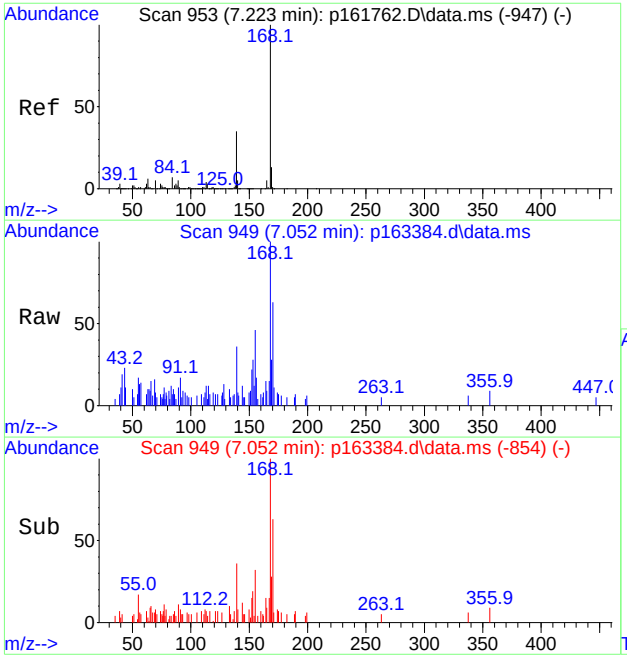


#59
Acenaphthene
Concen: 1.0372 ppm
RT: 6.875 min Scan# 916
Delta R.T. 0.000 min
Lab File: p163384.d
Acq: 4 Dec 2024 9:17 pm

Tgt Ion:153 Resp: 7238

Ion	Ratio	Lower	Upper
153	100		
152	47.3	19.1	79.1
154	96.8	55.0	115.0

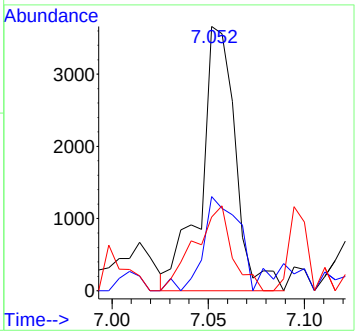


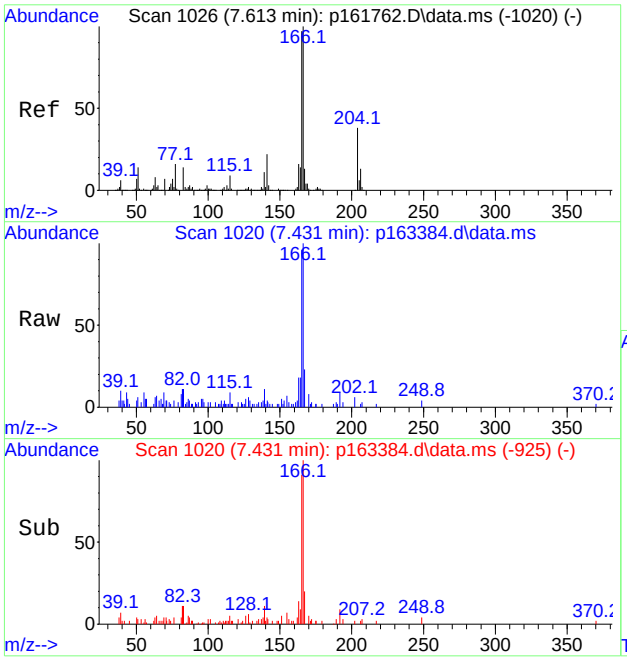


#62
Dibenzofuran
Concen: 0.4644 ppm
RT: 7.052 min Scan# 949
Delta R.T. 0.006 min
Lab File: p163384.d
Acq: 4 Dec 2024 9:17 pm

Tgt Ion:168 Resp: 4560

Ion	Ratio	Lower	Upper
168	100		
139	31.5	9.4	69.4
169	26.4	0.0	44.5

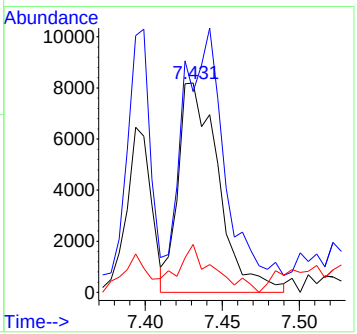


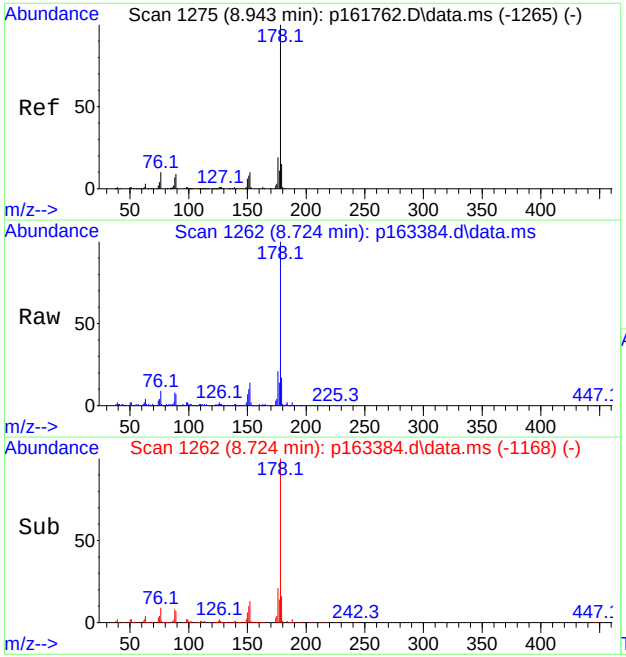


#66
Fluorene
Concen: 1.9858 ppm
RT: 7.431 min Scan# 1020
Delta R.T. 0.005 min
Lab File: p163384.d
Acq: 4 Dec 2024 9:17 pm

Tgt Ion:166 Resp: 14978

Ion	Ratio	Lower	Upper
166	100		
165	90.8	66.7	126.7
167	17.0	0.0	44.5

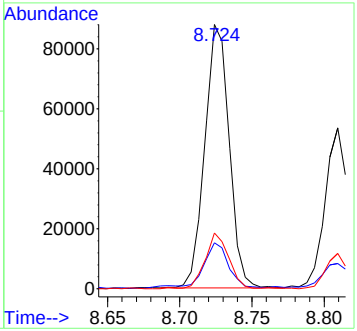


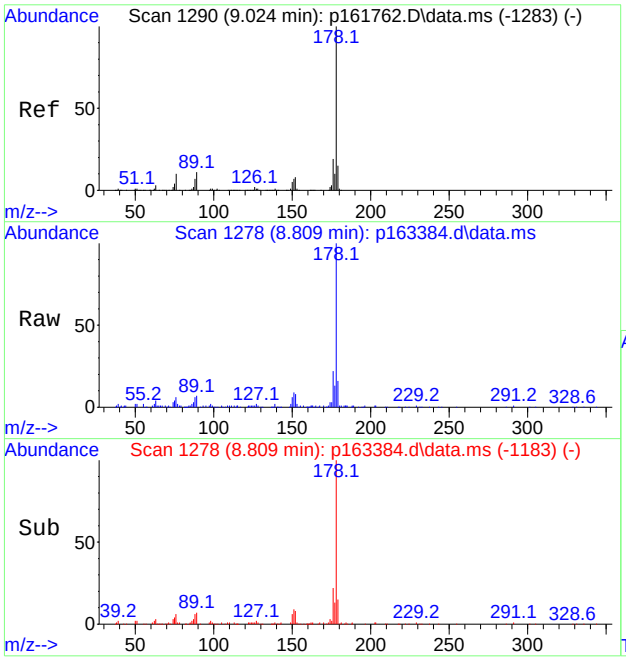


#77
Phenanthrene
Concen: 9.3803 ppm
RT: 8.724 min Scan# 1262
Delta R.T. 0.000 min
Lab File: p163384.d
Acq: 4 Dec 2024 9:17 pm

Tgt Ion:178 Resp: 103038

Ion	Ratio	Lower	Upper
178	100		
179	16.6	0.0	46.7
176	21.0	0.0	51.0

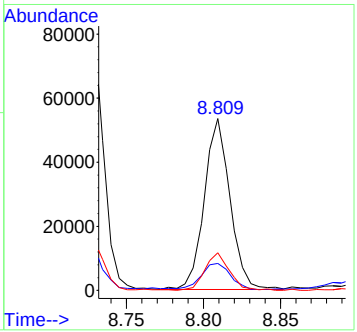


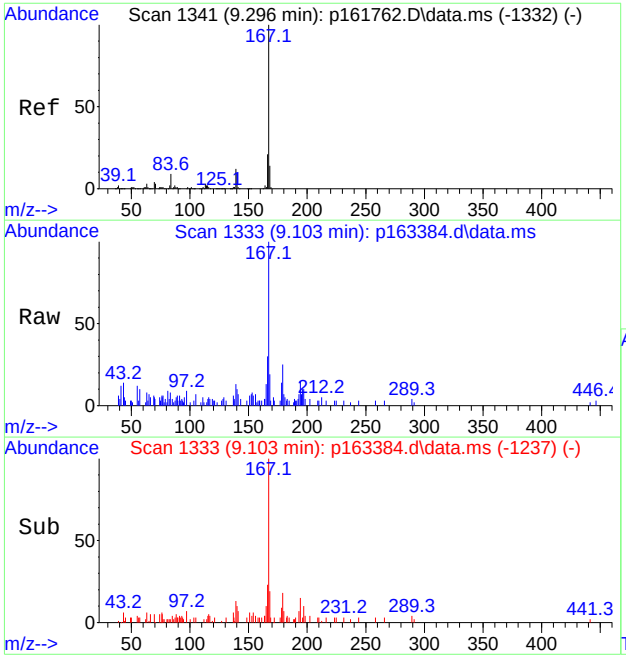


#78
Anthracene
Concen: 5.7697 ppm
RT: 8.809 min Scan# 1278
Delta R.T. 0.005 min
Lab File: p163384.d
Acq: 4 Dec 2024 9:17 pm

Tgt Ion:178 Resp: 62134

Ion	Ratio	Lower	Upper
178	100		
179	14.9	0.0	46.6
176	21.9	0.0	50.2

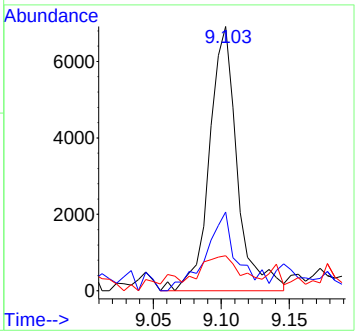


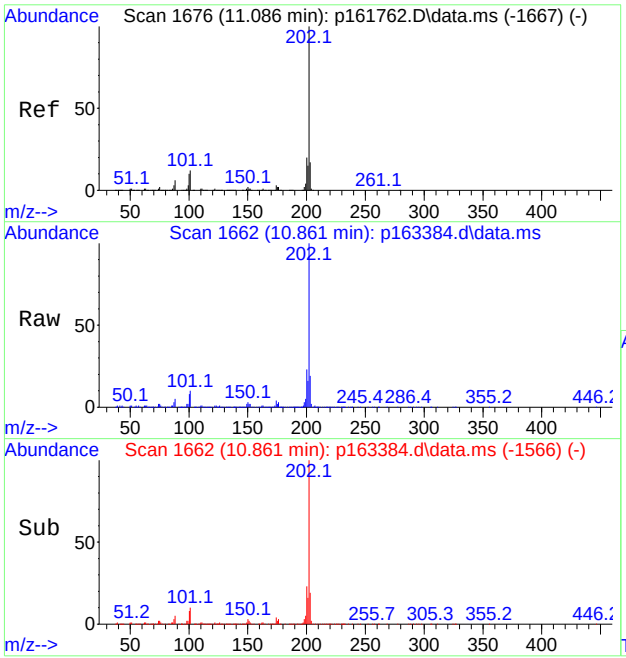


#79
Carbazole
Concen: 0.9601 ppm
RT: 9.103 min Scan# 1333
Delta R.T. 0.011 min
Lab File: p163384.d
Acq: 4 Dec 2024 9:17 pm

Tgt Ion:167 Resp: 9796

Ion	Ratio	Lower	Upper
167	100		
166	25.1	0.0	54.3
139	11.0	0.0	44.6

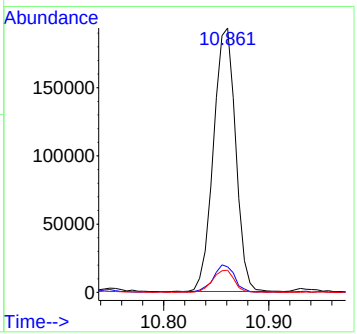


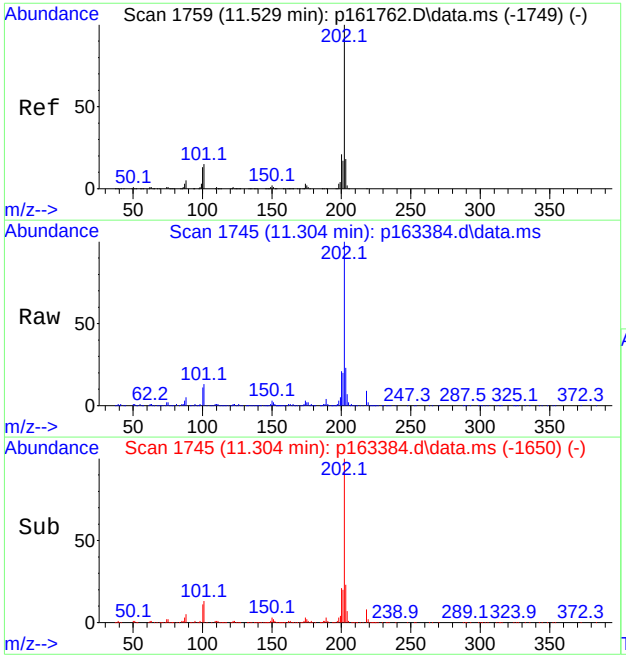


#81
Fluoranthene
Concen: 21.8071 ppm
RT: 10.861 min Scan# 1662
Delta R.T. 0.011 min
Lab File: p163384.d
Acq: 4 Dec 2024 9:17 pm

Tgt Ion:202 Resp: 283656

Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	40.8
100	8.3	0.0	38.6

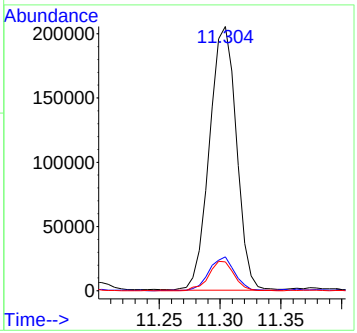


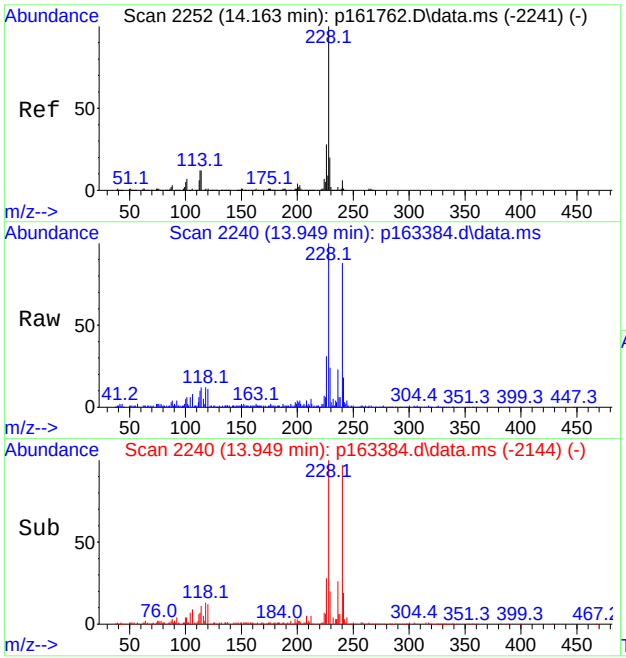


#85
Pyrene
Concen: 20.7912 ppm
RT: 11.304 min Scan# 1745
Delta R.T. 0.005 min
Lab File: p163384.d
Acq: 4 Dec 2024 9:17 pm

Tgt Ion:202 Resp: 316101

Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	42.2
100	10.8	0.0	39.3

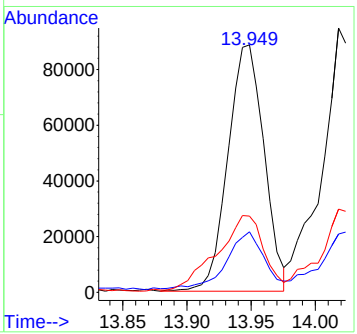


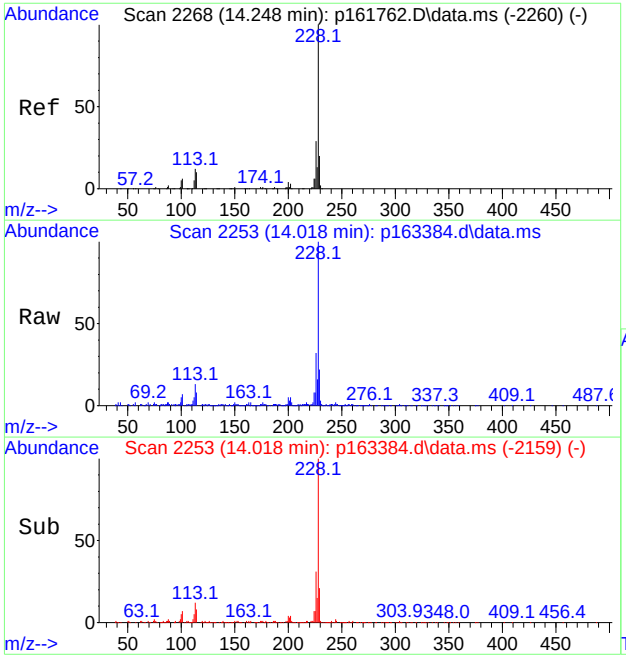


#88
Benzo[a]anthracene
Concen: 11.9258 ppm
RT: 13.949 min Scan# 2240
Delta R.T. 0.011 min
Lab File: p163384.d
Acq: 4 Dec 2024 9:17 pm

Tgt Ion:228 Resp: 173598

Ion	Ratio	Lower	Upper
228	100		
229	22.6	0.0	50.4
226	29.9	0.0	57.8

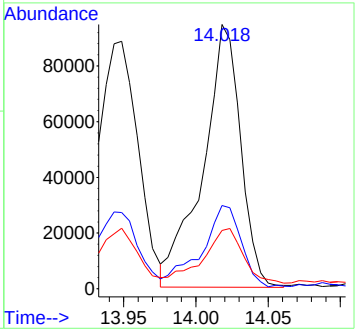


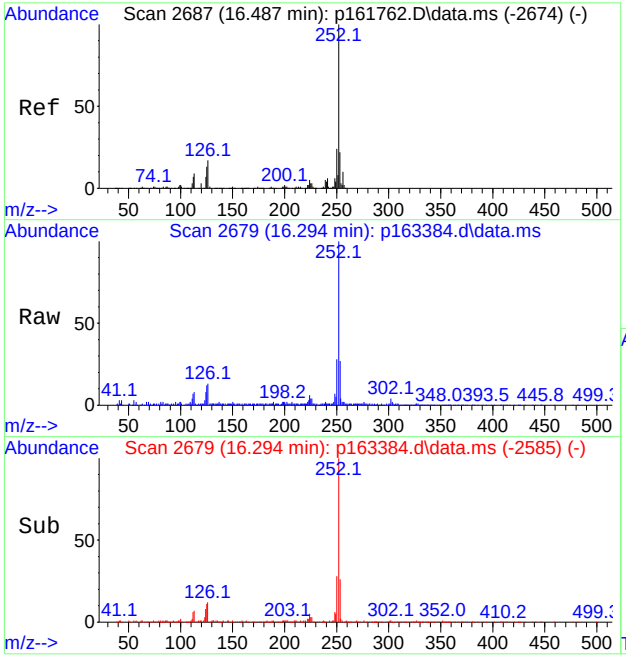


#90
Chrysene
Concen: 12.6602 ppm
RT: 14.018 min Scan# 2253
Delta R.T. 0.000 min
Lab File: p163384.d
Acq: 4 Dec 2024 9:17 pm

Tgt Ion:228 Resp: 171950

Ion	Ratio	Lower	Upper
228	100		
226	30.8	1.3	61.3
229	19.9	0.0	51.0

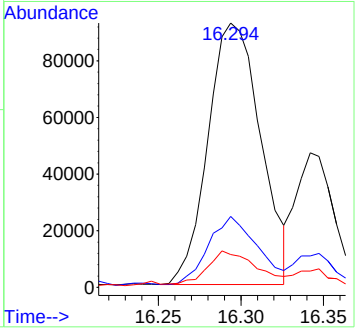


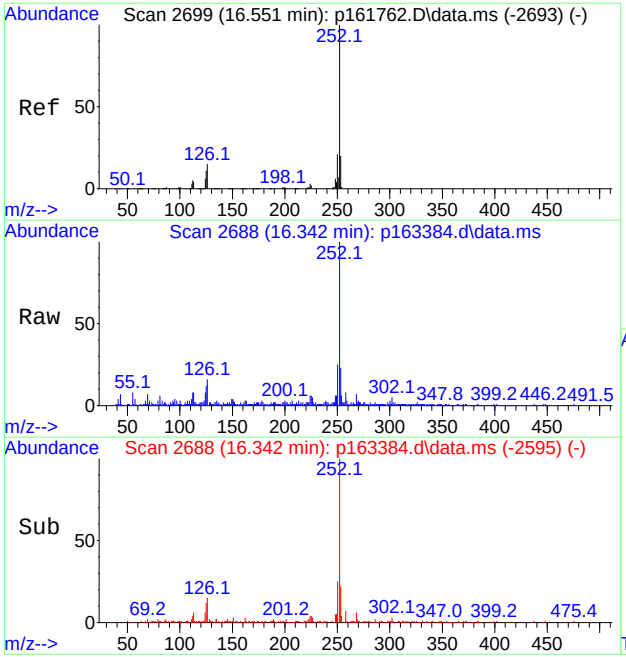


#94
Benzo[b]fluoranthene
Concen: 15.0724 ppm
RT: 16.294 min Scan# 2679
Delta R.T. 0.000 min
Lab File: p163384.d
Acq: 4 Dec 2024 9:17 pm

Tgt Ion:252 Resp: 205567

Ion	Ratio	Lower	Upper
252	100		
253	26.3	0.0	53.6
125	11.2	0.0	41.1

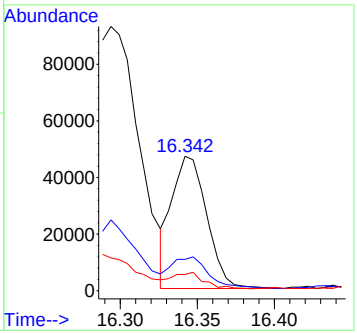


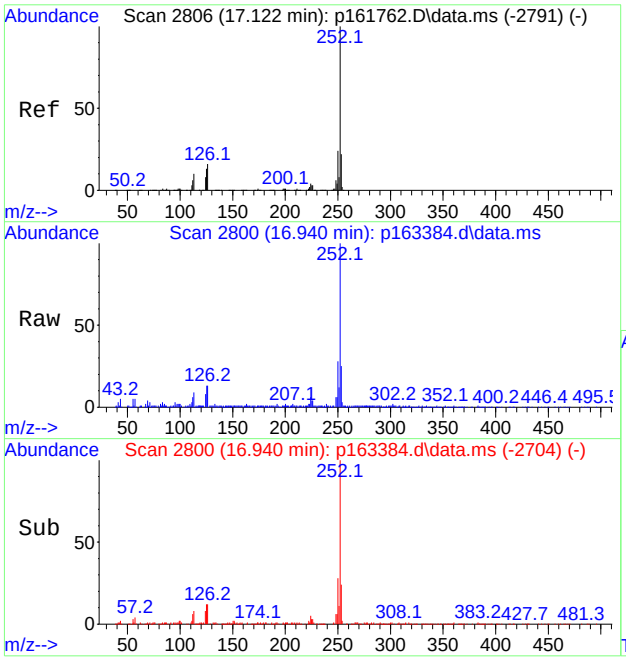


#95
Benzo[k]fluoranthene
Concen: 5.5775 ppm
RT: 16.342 min Scan# 2688
Delta R.T. -0.005 min
Lab File: p163384.d
Acq: 4 Dec 2024 9:17 pm

Tgt Ion:252 Resp: 73999

Ion	Ratio	Lower	Upper
252	100		
253	21.3	0.0	53.9
125	9.3	0.0	40.0

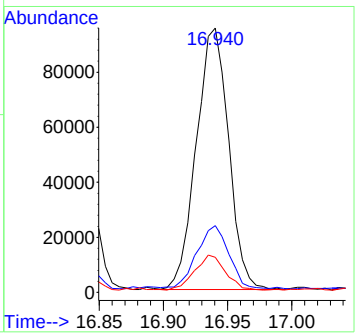


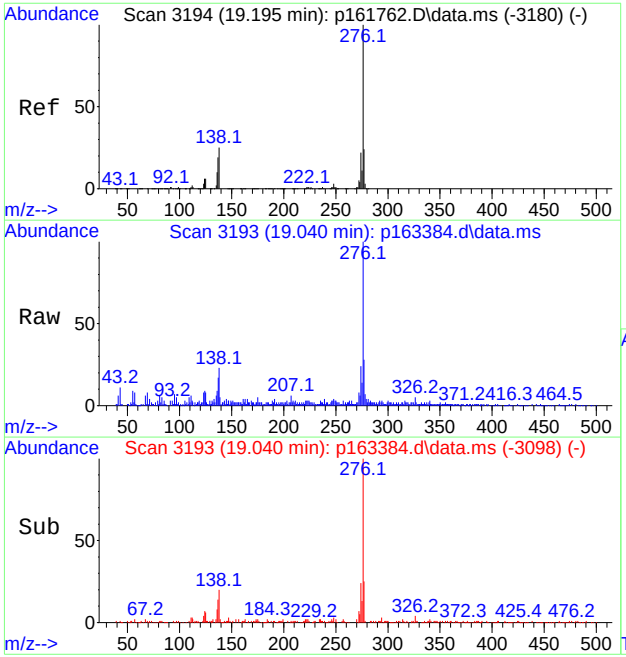


#96
Benzo[a]pyrene
Concen: 14.1120 ppm
RT: 16.940 min Scan# 2800
Delta R.T. 0.011 min
Lab File: p163384.d
Acq: 4 Dec 2024 9:17 pm

Tgt Ion:252 Resp: 166052

Ion	Ratio	Lower	Upper
252	100		
253	23.8	0.0	53.3
125	12.4	0.0	42.3

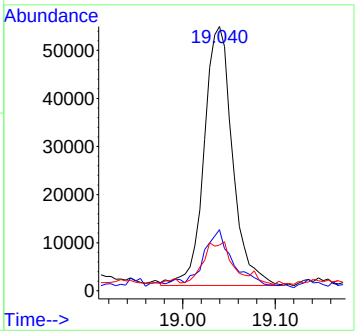


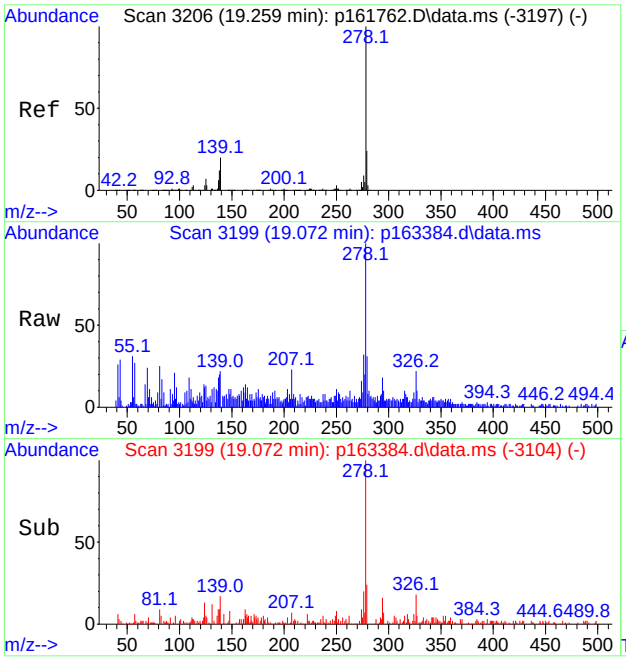


#97
Indeno[1,2,3-cd]pyrene
Concen: 9.0555 ppm
RT: 19.040 min Scan# 3193
Delta R.T. 0.005 min
Lab File: p163384.d
Acq: 4 Dec 2024 9:17 pm

Tgt Ion:276 Resp: 114742

Ion	Ratio	Lower	Upper
276	100		
138	20.7	0.0	44.6
137	14.9	0.0	45.0

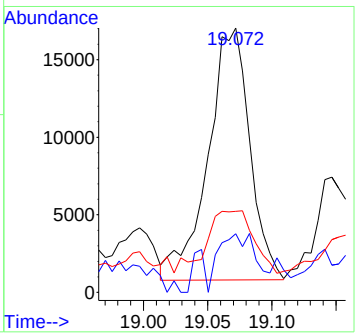


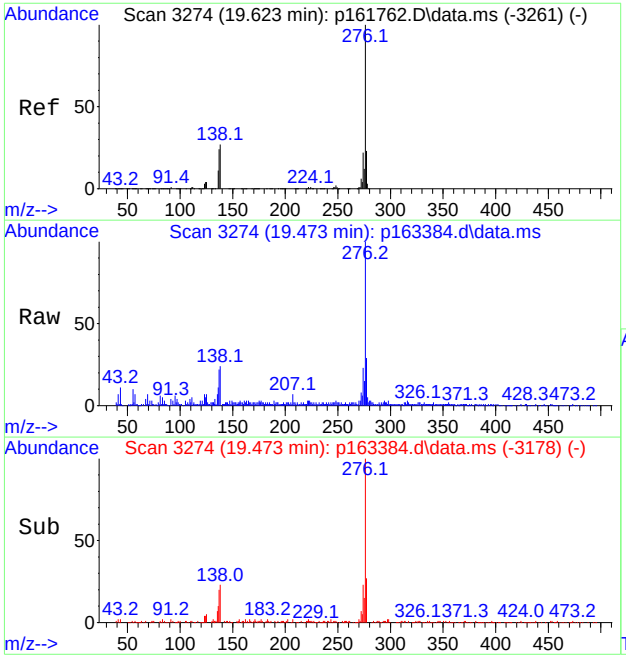


#99
Dibenz[a,h]anthracene
Concen: 3.0047 ppm
RT: 19.072 min Scan# 3199
Delta R.T. 0.006 min
Lab File: p163384.d
Acq: 4 Dec 2024 9:17 pm

Tgt Ion:278 Resp: 36872

Ion	Ratio	Lower	Upper
278	100		
139	15.9	0.0	46.6
279	23.2	0.0	54.9

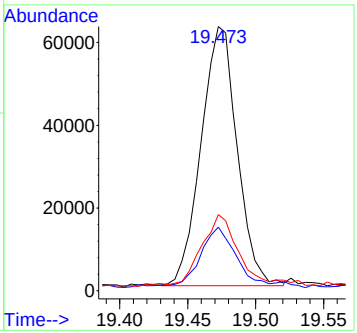




#101
Benzo[g,h,i]perylene
Concen: 9.3336 ppm
RT: 19.473 min Scan# 3274
Delta R.T. 0.011 min
Lab File: p163384.d
Acq: 4 Dec 2024 9:17 pm

Tgt Ion:276 Resp: 115608

Ion	Ratio	Lower	Upper
276	100		
138	21.9	0.0	52.1
277	26.1	0.0	55.6



Manual Integrations APPROVED (compounds with "m" flag)
Jon Kreigmor Mamanta 12/05/24 04:59

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\EP7624\
Data File : p163385.d
Acq On : 4 Dec 2024 9:42 pm
Operator : anthonyo
Sample : je1300-33 Inst : GCMSP
Misc : op59834,ep7624,30.0,,,1,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 05 08:30:45 2024
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Dec 05 08:23:07 2024
Response via : Initial Calibration

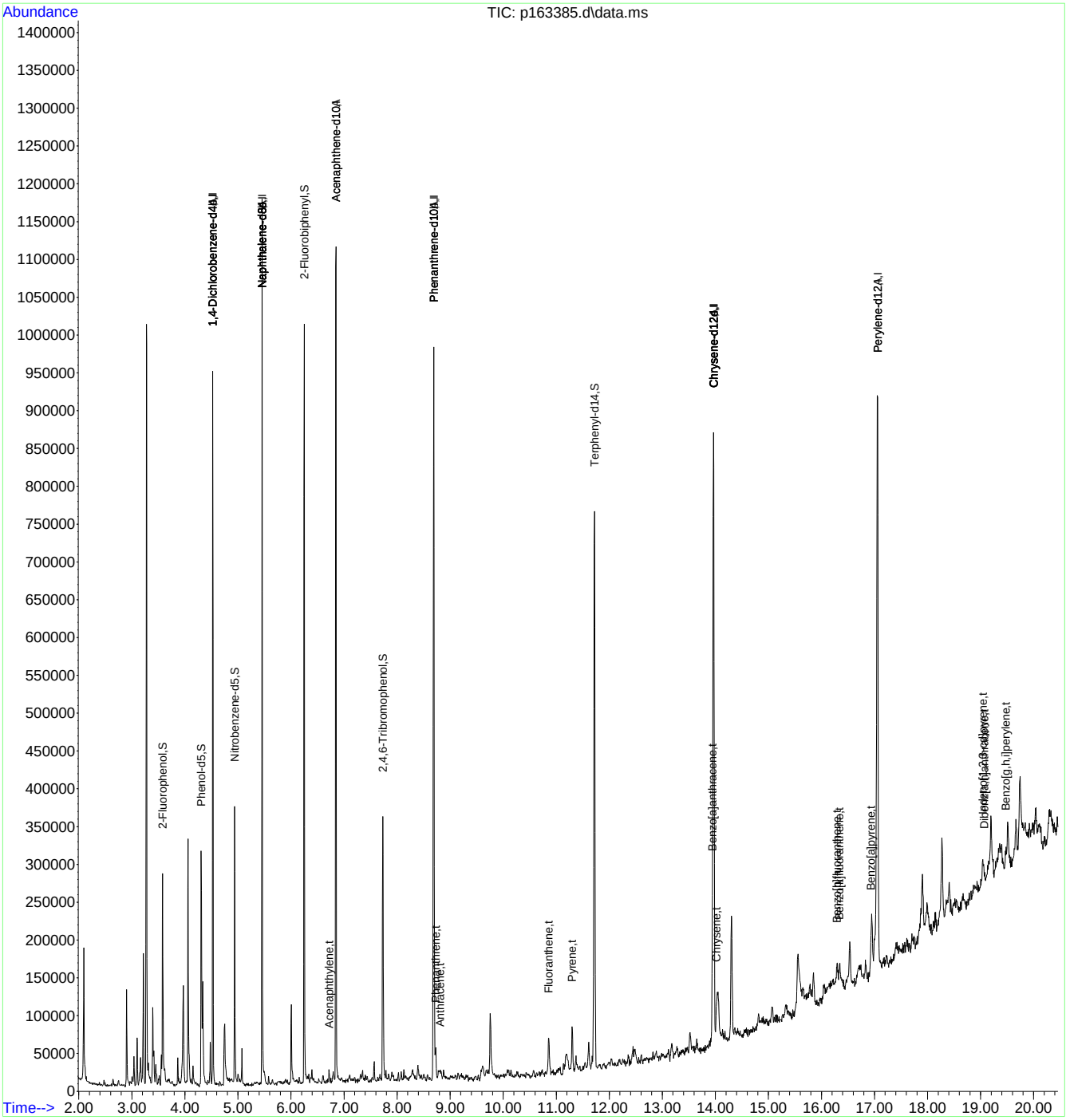
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.525	152	107412	40.00	ppm		0.00
24) Naphthalene-d8	5.454	136	380510	40.00	ppm		0.00
46) Acenaphthene-d10	6.849	164	229084	40.00	ppm		0.00
69) Phenanthrene-d10	8.692	188	430672	40.00	ppm		0.00
83) Chrysene-d12	13.965	240	464022	40.00	ppm		0.00
92) Perylene-d12	17.058	264	471647	40.00	ppm		0.02
102) 1,4-Dichlorobenzene-d4A	4.525	152	107412	40.00	ppm		0.00
112) Naphthalene-d8A	5.454	136	380510	40.00	ppm		0.00
121) Acenaphthene-d10A	6.849	164	229084	40.00	ppm		0.00
132) Phenanthrene-d10A	8.692	188	430672	40.00	ppm		0.00
147) Chrysene-d12A	13.965	240	464022	40.00	ppm		0.00
154) Perylene-d12A	17.058	264	471647	40.00	ppm		0.02
158) 1,4-Dichlorobenzene-d4b	4.525	152	107412	40.00	ppm		0.00
160) Phenanthrene-d10b	8.692	188	430672	40.00	ppm		0.00
162) Naphthalene-d8b	5.454	136	380510	40.00	ppm	#	0.00
164) Naphthalene-d8c	5.454	136	380510	40.00	ppm		0.00
168) 1,4-Dichlorobenzene-d4c	4.525	152	107412	40.00	ppm		0.00
170) Chrysene-d12c	13.965	240	464022	40.00	ppm		0.00
172) Chrysene-d12d	13.965	240	464022	40.00	ppm		0.00
174) Naphthalene-d8d	5.454	136	380510	40.00	ppm		0.00
176) Chrysene-d12e	13.965	240	464022	40.00	ppm		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.579	112	76673	23.92	ppm		0.02
Spiked Amount 50.000			Recovery = 47.84%				
8) Phenol-d5	4.306	99	96212	25.00	ppm		0.02
Spiked Amount 50.000			Recovery = 50.00%				
25) Nitrobenzene-d5	4.936	82	88608	30.97	ppm		0.00
Spiked Amount 50.000			Recovery = 61.94%				
51) 2-Fluorobiphenyl	6.250	172	241736	30.53	ppm		0.00
Spiked Amount 50.000			Recovery = 61.06%				
73) 2,4,6-Tribromophenol	7.730	330	46897	45.47	ppm		0.00
Spiked Amount 50.000			Recovery = 90.94%				
86) Terphenyl-d14	11.721	244	359003	32.26	ppm		0.01
Spiked Amount 50.000			Recovery = 64.52%				
Target Compounds							Qvalue
56) Acenaphthylene	6.720	152	7577	0.8333	ppm		92
77) Phenanthrene	8.729	178	12882	1.1818	ppm		86
78) Anthracene	8.809	178	4751	0.4446	ppm		87
81) Fluoranthene	10.855	202	30040	2.3274	ppm		95
85) Pyrene	11.299	202	30413	1.9326	ppm		93
88) Benzo[a]anthracene	13.943	228	17208	1.1421	ppm		92
90) Chrysene	14.018	228	17459	1.2419	ppm		92
94) Benzo[b]fluoranthene	16.288	252	23268m	1.6723	ppm		
95) Benzo[k]fluoranthene	16.336	252	8301	0.6133	ppm		94
96) Benzo[a]pyrene	16.935	252	15880	1.3229	ppm		89
97) Indeno[1,2,3-cd]pyrene	19.040	276	13021	1.0073	ppm		89
99) Dibenz[a,h]anthracene	19.066	278	5281	0.4218	ppm		89
101) Benzo[g,h,i]perylene	19.472	276	11262	0.8912	ppm		78

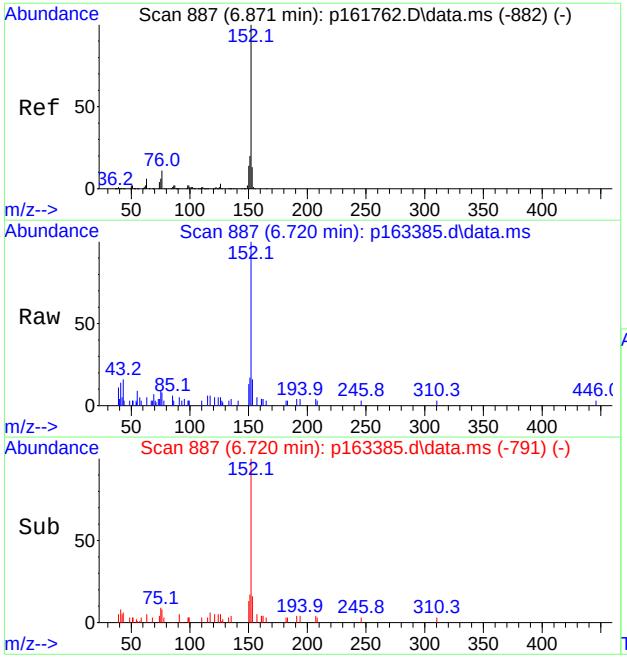
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\EP7624\
Data File : p163385.d
Acq On : 4 Dec 2024 9:42 pm
Operator : anthonyo
Sample : je1300-33 Inst : GCMSP
Misc : op59834,ep7624,30.0,,,1,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 05 08:30:45 2024
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Dec 05 08:23:07 2024
Response via : Initial Calibration

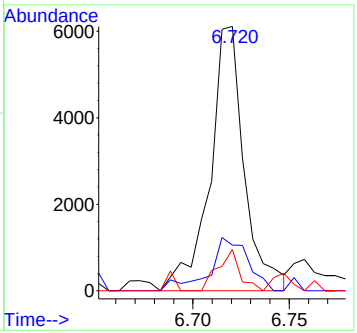


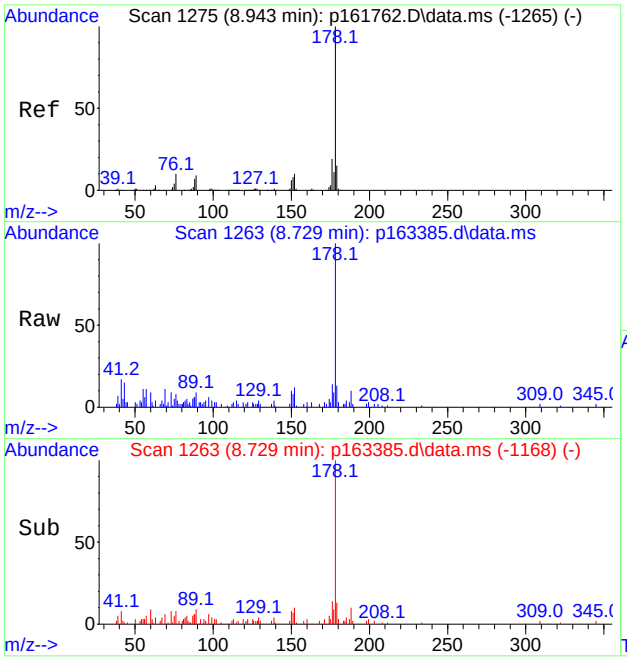


#56
Acenaphthylene
Concen: 0.8333 ppm
RT: 6.720 min Scan# 887
Delta R.T. 0.011 min
Lab File: p163385.d
Acq: 4 Dec 2024 9:42 pm

Tgt Ion:152 Resp: 7577

Ion	Ratio	Lower	Upper
152	100		
151	17.9	0.0	52.4
153	12.7	0.0	44.7

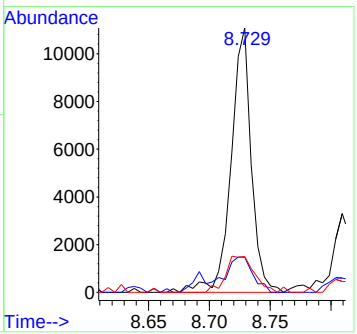


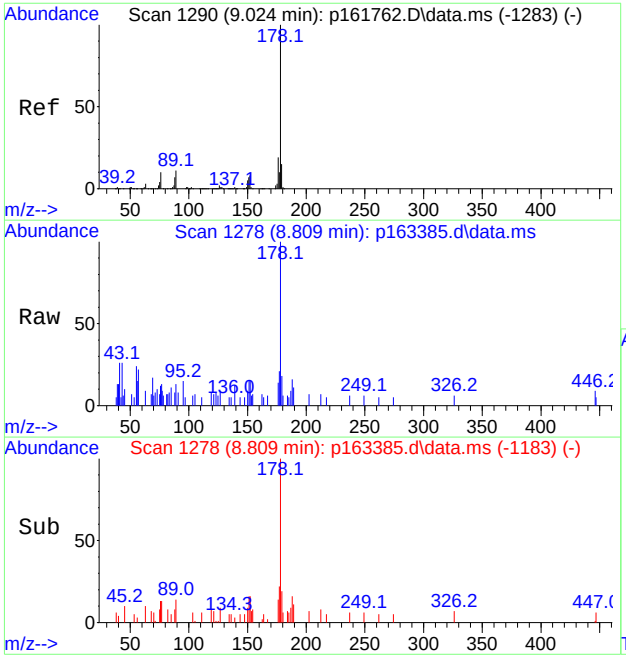


#77
Phenanthrene
Concen: 1.1818 ppm
RT: 8.729 min Scan# 1263
Delta R.T. 0.005 min
Lab File: p163385.d
Acq: 4 Dec 2024 9:42 pm

Tgt Ion:178 Resp: 12882

Ion	Ratio	Lower	Upper
178	100		
179	13.3	0.0	46.7
176	12.5	0.0	51.0

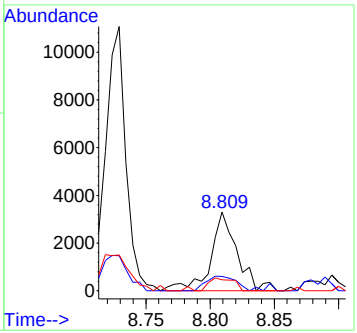


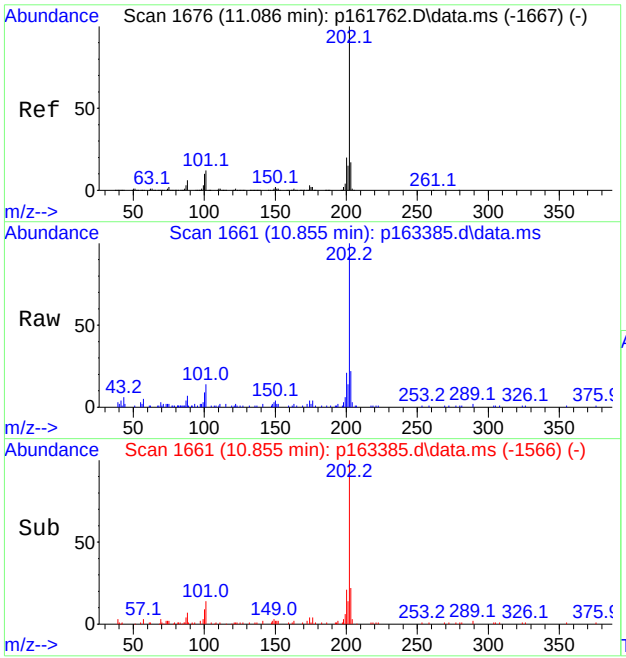


#78
Anthracene
Concen: 0.4446 ppm
RT: 8.809 min Scan# 1278
Delta R.T. 0.005 min
Lab File: p163385.d
Acq: 4 Dec 2024 9:42 pm

Tgt Ion:178 Resp: 4751

Ion	Ratio	Lower	Upper
178	100		
179	18.1	0.0	46.6
176	10.3	0.0	50.2

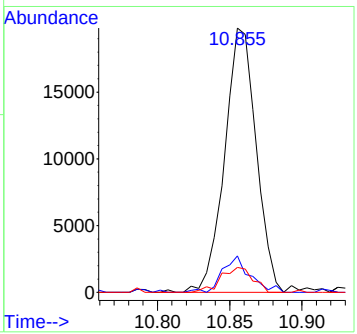


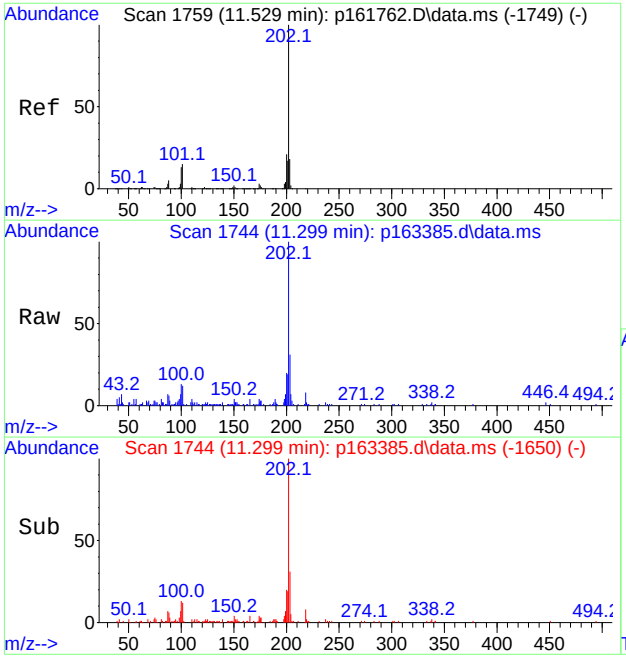


#81
Fluoranthene
Concen: 2.3274 ppm
RT: 10.855 min Scan# 1661
Delta R.T. 0.005 min
Lab File: p163385.d
Acq: 4 Dec 2024 9:42 pm

Tgt Ion:202 Resp: 30040

Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	40.8
100	9.4	0.0	38.6

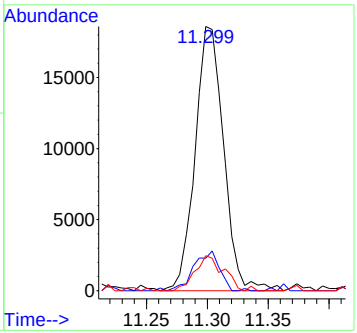


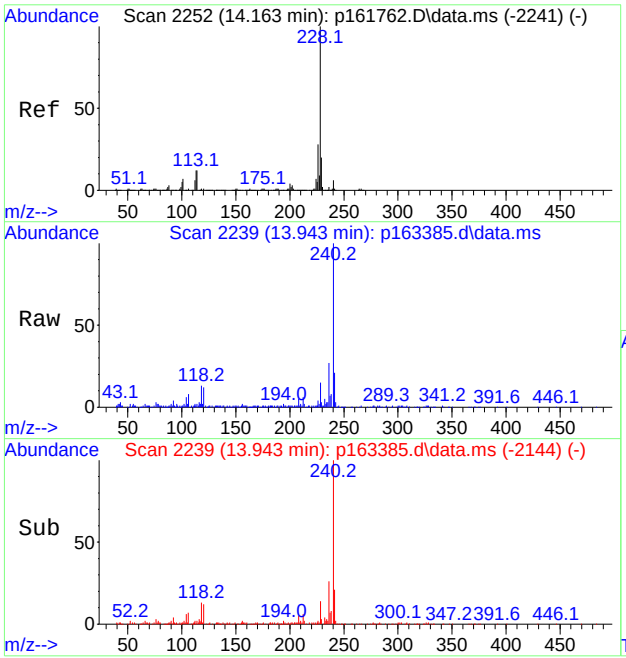


#85
Pyrene
Concen: 1.9326 ppm
RT: 11.299 min Scan# 1744
Delta R.T. 0.000 min
Lab File: p163385.d
Acq: 4 Dec 2024 9:42 pm

Tgt Ion:202 Resp: 30413

Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	42.2
100	13.2	0.0	39.3

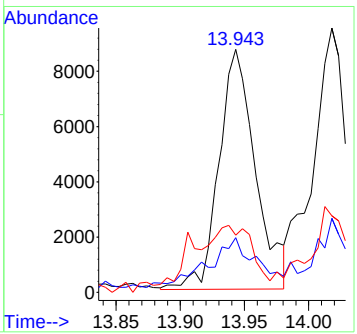


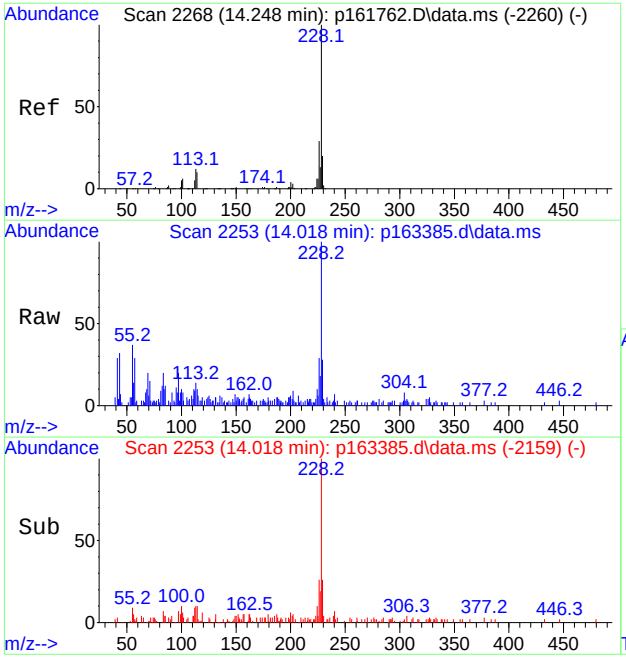


#88
Benzo[a]anthracene
Concen: 1.1421 ppm
RT: 13.943 min Scan# 2239
Delta R.T. 0.005 min
Lab File: p163385.d
Acq: 4 Dec 2024 9:42 pm

Tgt Ion:228 Resp: 17208

Ion	Ratio	Lower	Upper
228	100		
229	19.4	0.0	50.4
226	21.3	0.0	57.8

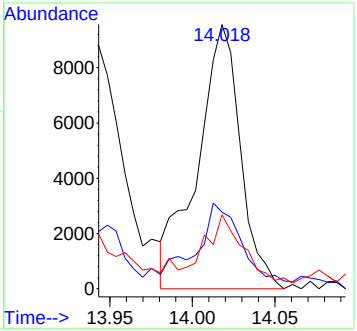


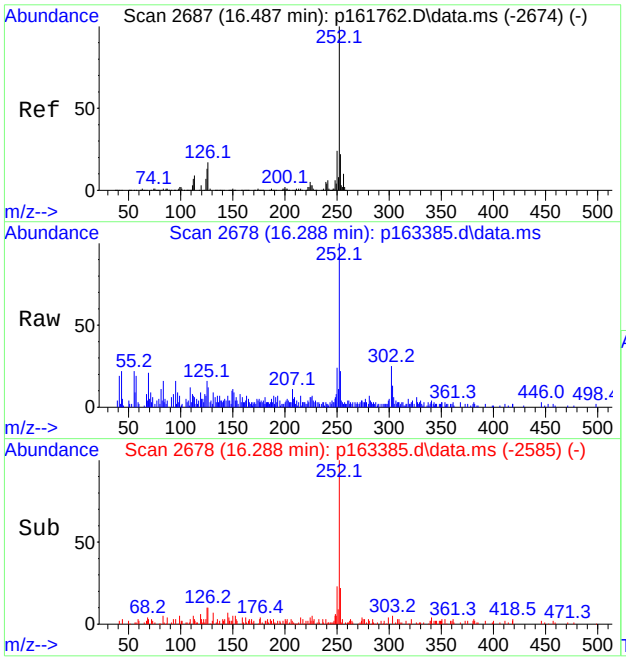


#90
Chrysene
Concen: 1.2419 ppm
RT: 14.018 min Scan# 2253
Delta R.T. 0.000 min
Lab File: p163385.d
Acq: 4 Dec 2024 9:42 pm

Tgt Ion:228 Resp: 17459

Ion	Ratio	Lower	Upper
228	100		
226	27.1	1.3	61.3
229	25.1	0.0	51.0

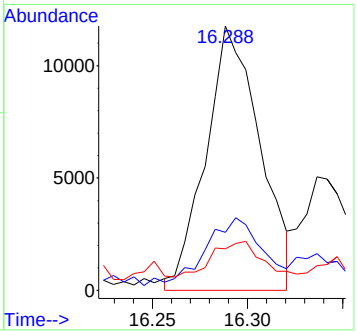


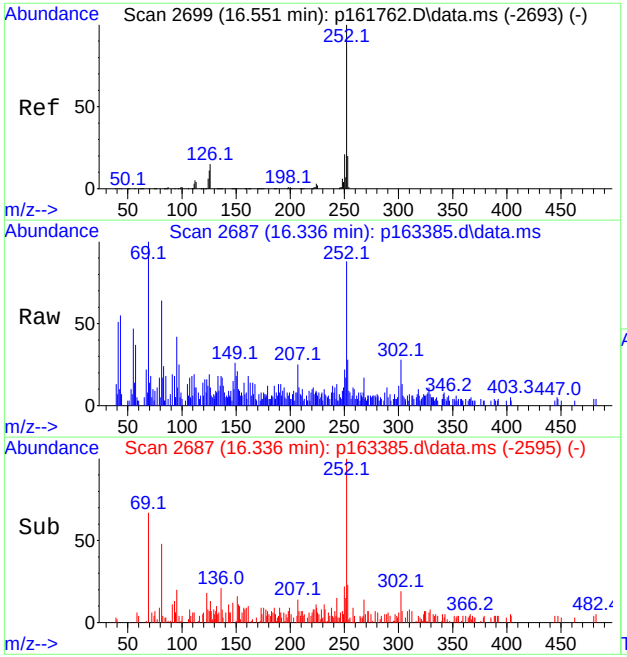


#94
Benzo[b]fluoranthene
Concen: 1.6723 ppm m
RT: 16.288 min Scan# 2678
Delta R.T. -0.005 min
Lab File: p163385.d
Acq: 4 Dec 2024 9:42 pm

Tgt Ion:252 Resp: 23268

Ion	Ratio	Lower	Upper
252	100		
253	22.0	0.0	53.6
125	15.8	0.0	41.1

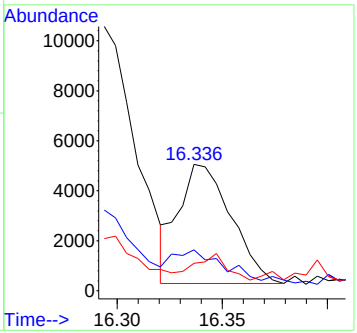


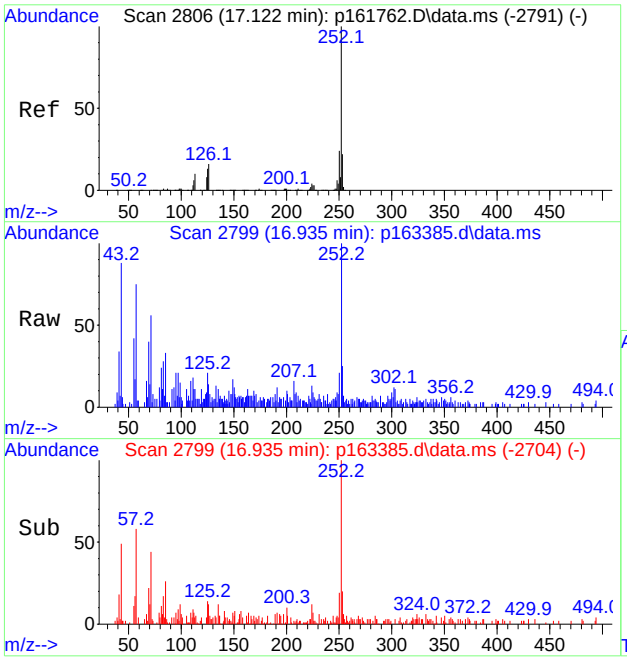


#95
Benzo[k]fluoranthene
Concen: 0.6133 ppm
RT: 16.336 min Scan# 2687
Delta R.T. -0.011 min
Lab File: p163385.d
Acq: 4 Dec 2024 9:42 pm

Tgt Ion:252 Resp: 8301

Ion	Ratio	Lower	Upper
252	100		
253	26.4	0.0	53.9
125	12.7	0.0	40.0

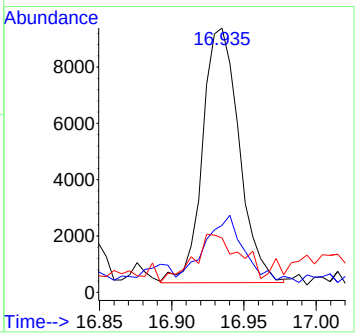


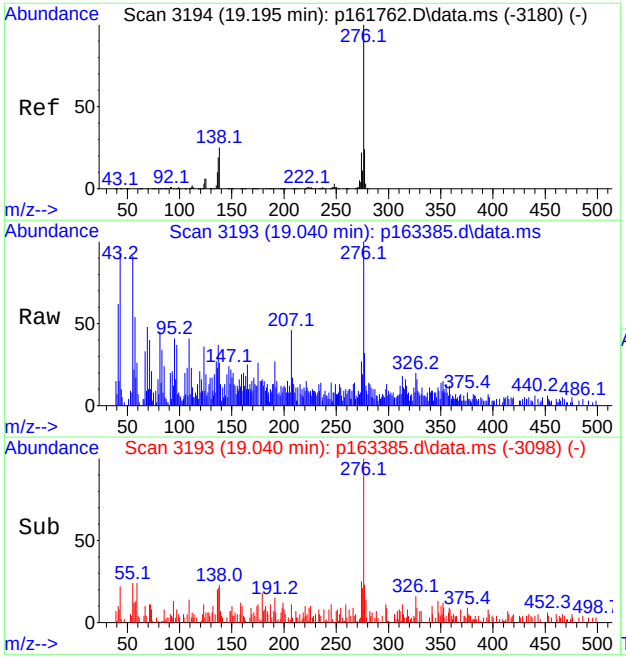


#96
Benzo[a]pyrene
Concen: 1.3229 ppm
RT: 16.935 min Scan# 2799
Delta R.T. 0.005 min
Lab File: p163385.d
Acq: 4 Dec 2024 9:42 pm

Tgt Ion:252 Resp: 15880

Ion	Ratio	Lower	Upper
252	100		
253	17.8	0.0	53.3
125	16.1	0.0	42.3

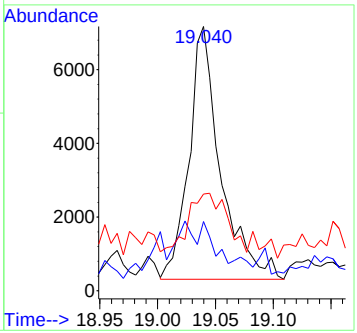


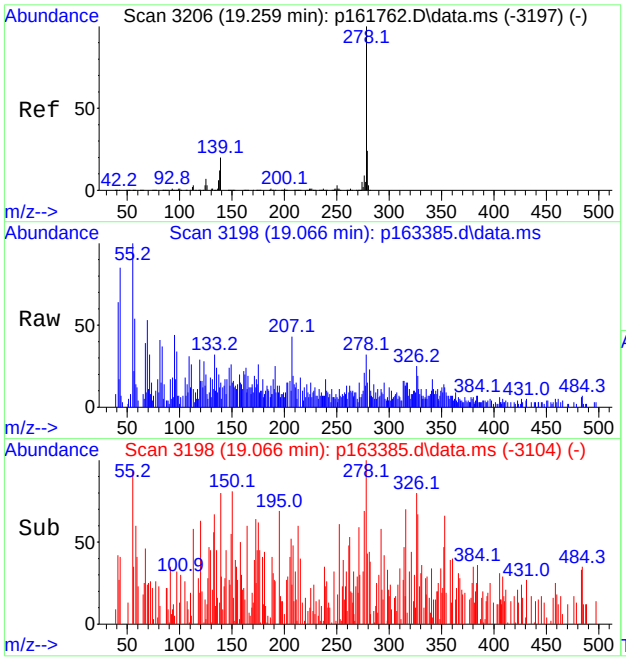


#97
Indeno[1,2,3-cd]pyrene
Concen: 1.0073 ppm
RT: 19.040 min Scan# 3193
Delta R.T. 0.005 min
Lab File: p163385.d
Acq: 4 Dec 2024 9:42 pm

Tgt Ion:276 Resp: 13021

Ion	Ratio	Lower	Upper
276	100		
138	12.2	0.0	44.6
137	21.5	0.0	45.0

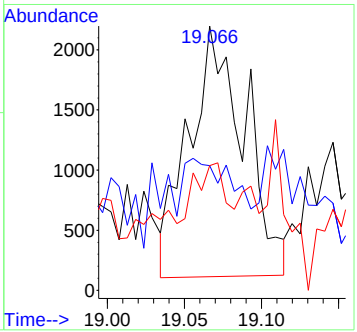


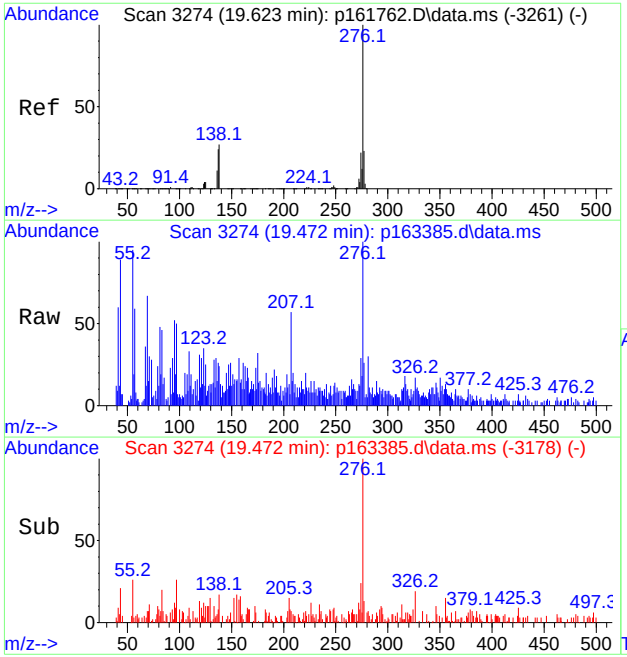


#99
Dibenz[a,h]anthracene
Concen: 0.4218 ppm
RT: 19.066 min Scan# 3198
Delta R.T. 0.000 min
Lab File: p163385.d
Acq: 4 Dec 2024 9:42 pm

Tgt Ion:278 Resp: 5281

Ion	Ratio	Lower	Upper
278	100		
139	27.5	0.0	46.6
279	24.5	0.0	54.9

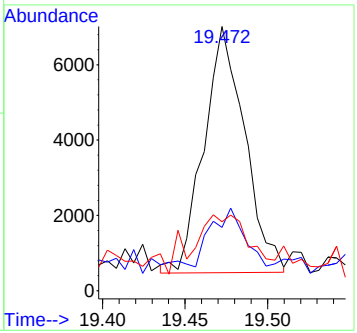




#101
Benzo[g,h,i]perylene
Concen: 0.8912 ppm
RT: 19.472 min Scan# 3274
Delta R.T. 0.011 min
Lab File: p163385.d
Acq: 4 Dec 2024 9:42 pm

Tgt Ion:276 Resp: 11262

Ion	Ratio	Lower	Upper
276	100		
138	14.5	0.0	52.1
277	11.7	0.0	55.6



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\EP7624\
Data File : p163386.d
Acq On : 4 Dec 2024 10:07 pm
Operator : anthonyo
Sample : je1300-35 Inst : GCMSP
Misc : op59834,ep7624,30.3,,,1,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 05 08:36:12 2024
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Dec 05 08:23:07 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.530	152	95766	40.00	ppm		0.01
24) Naphthalene-d8	5.454	136	337844	40.00	ppm		0.00
46) Acenaphthene-d10	6.849	164	189680	40.00	ppm		0.00
69) Phenanthrene-d10	8.692	188	346959	40.00	ppm		0.00
83) Chrysene-d12	13.970	240	370681	40.00	ppm		0.01
92) Perylene-d12	17.063	264	393445	40.00	ppm		0.03
102) 1,4-Dichlorobenzene-d4A	4.530	152	95766	40.00	ppm		0.01
112) Naphthalene-d8A	5.454	136	337844	40.00	ppm		0.00
121) Acenaphthene-d10A	6.849	164	189680	40.00	ppm		0.00
132) Phenanthrene-d10A	8.692	188	346959	40.00	ppm		0.00
147) Chrysene-d12A	13.970	240	370681	40.00	ppm		0.01
154) Perylene-d12A	17.063	264	393445	40.00	ppm		0.03
158) 1,4-Dichlorobenzene-d4b	4.530	152	95766	40.00	ppm		0.01
160) Phenanthrene-d10b	8.692	188	346959	40.00	ppm		0.00
162) Naphthalene-d8b	5.454	136	337844	40.00	ppm	#	0.00
164) Naphthalene-d8c	5.454	136	337844	40.00	ppm		0.00
168) 1,4-Dichlorobenzene-d4c	4.530	152	95766	40.00	ppm		0.01
170) Chrysene-d12c	13.970	240	370677	40.00	ppm		0.01
172) Chrysene-d12d	13.970	240	370681	40.00	ppm		0.01
174) Naphthalene-d8d	5.454	136	337844	40.00	ppm		0.00
176) Chrysene-d12e	13.970	240	370702	40.00	ppm		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	3.584	112	55260	19.33	ppm		0.03
Spiked Amount 50.000			Recovery = 38.66%				
8) Phenol-d5	4.311	99	71251	20.77	ppm		0.02
Spiked Amount 50.000			Recovery = 41.54%				
25) Nitrobenzene-d5	4.941	82	82193	32.36	ppm		0.00
Spiked Amount 50.000			Recovery = 64.72%				
51) 2-Fluorobiphenyl	6.250	172	201226	30.69	ppm		0.00
Spiked Amount 50.000			Recovery = 61.38%				
73) 2,4,6-Tribromophenol	7.735	330	27799	33.45	ppm		0.01
Spiked Amount 50.000			Recovery = 66.90%				
86) Terphenyl-d14	11.721	244	251840	28.33	ppm		0.01
Spiked Amount 50.000			Recovery = 56.66%				
Target Compounds							Qvalue
38) Naphthalene	5.470	128	6257	0.7557	ppm		99
44) 2-Methylnaphthalene	5.978	141	4064	0.7822	ppm		94
45) 1-Methylnaphthalene	6.047	142	4061	0.7700	ppm		90
53) Biphenyl	6.336	154	1614	0.2247	ppm		88
56) Acenaphthylene	6.715	152	80022	10.6293	ppm		98
59) Acenaphthene	6.881	153	8162	1.3824	ppm		87
62) Dibenzofuran	7.057	168	5611	0.6754	ppm		77
66) Fluorene	7.431	166	14582	2.2851	ppm		83
77) Phenanthrene	8.729	178	161461	18.3871	ppm		98
78) Anthracene	8.809	178	82000	9.5249	ppm		97
79) Carbazole	9.103	167	11701	1.4345	ppm		92
81) Fluoranthene	10.861	202	418137	40.2115	ppm		99
85) Pyrene	11.309	202	499009	39.6939	ppm		98
88) Benzo[a]anthracene	13.948	228	283209	23.5294	ppm		97
90) Chrysene	14.029	228	282973	25.1966	ppm		98
94) Benzo[b]fluoranthene	16.304	252	328304	28.2851	ppm		98
95) Benzo[k]fluoranthene	16.352	252	127542	11.2958	ppm		96
96) Benzo[a]pyrene	16.951	252	263892	26.3527	ppm		97
97) Indeno[1,2,3-cd]pyrene	19.050	276	178930	16.5932	ppm		92
99) Dibenz[a,h]anthracene	19.077	278	57270	5.4839	ppm		97

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\EP7624\
Data File : p163386.d
Acq On : 4 Dec 2024 10:07 pm
Operator : anthonyo
Sample : je1300-35 Inst : GCMSP
Misc : op59834,ep7624,30.3,,,1,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 05 08:36:12 2024
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Dec 05 08:23:07 2024
Response via : Initial Calibration

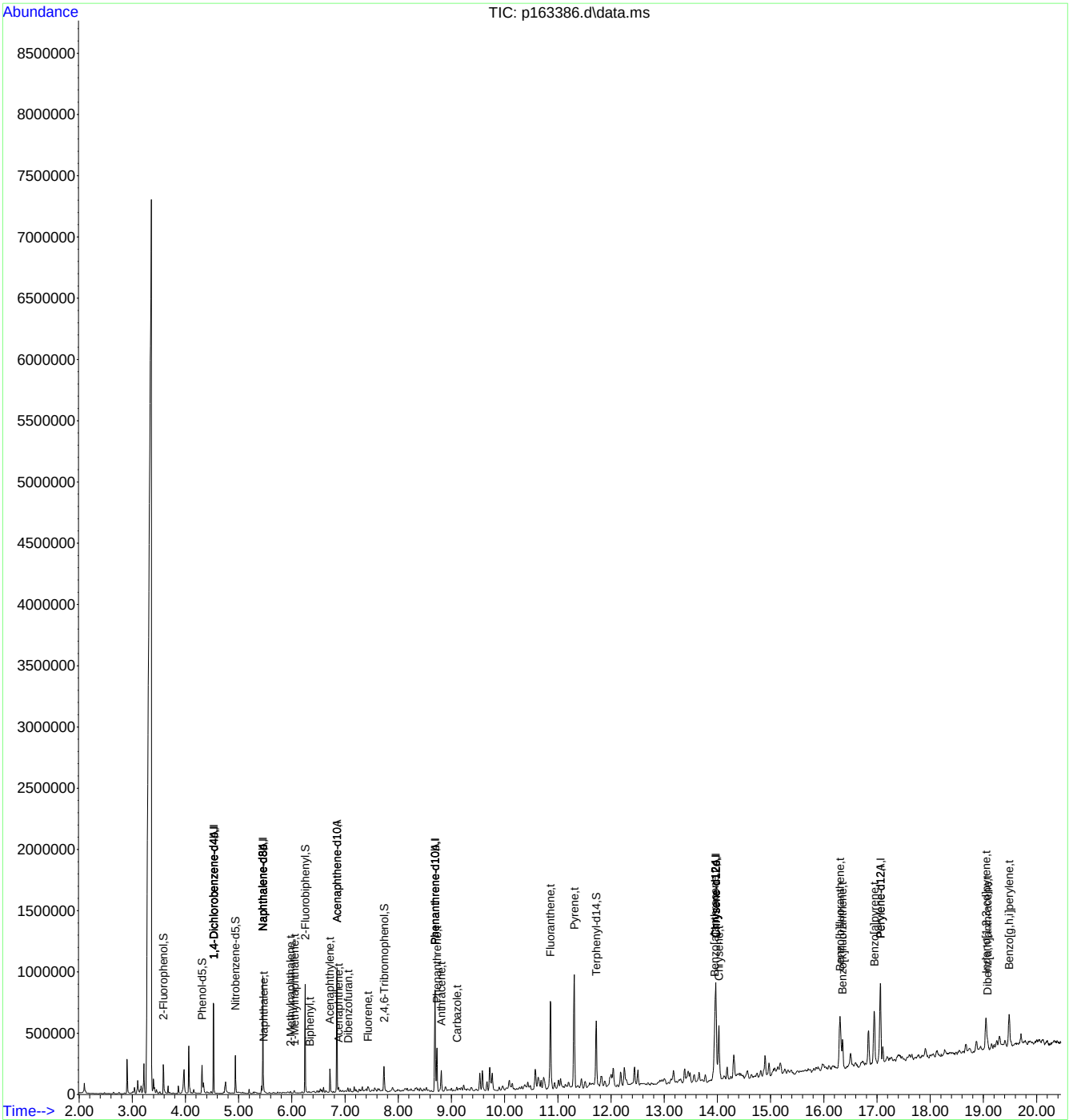
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101) Benzo[g,h,i]perylene	19.483	276	169211	16.0526	ppm	99

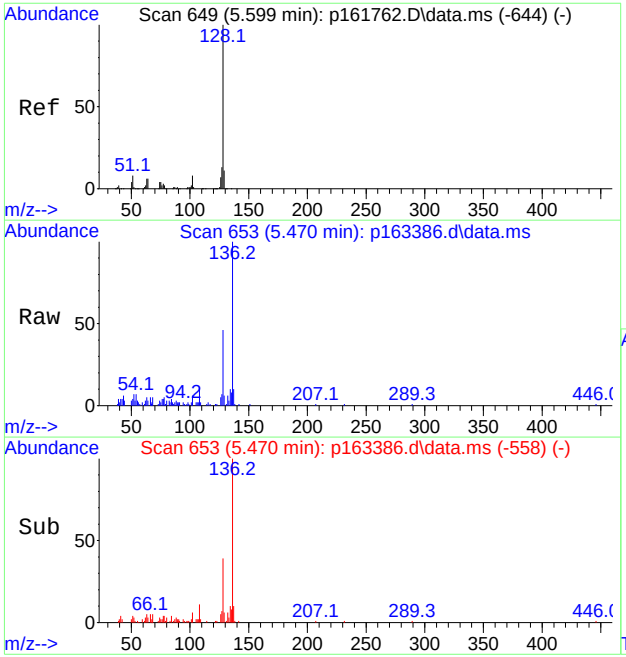
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\EP7624\
Data File : p163386.d
Acq On : 4 Dec 2024 10:07 pm
Operator : anthonyo
Sample : je1300-35 Inst : GCMSP
Misc : op59834,ep7624,30.3,,,1,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 05 08:36:12 2024
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Dec 05 08:23:07 2024
Response via : Initial Calibration

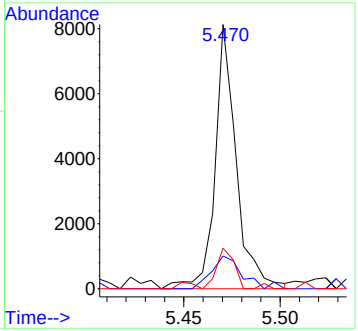


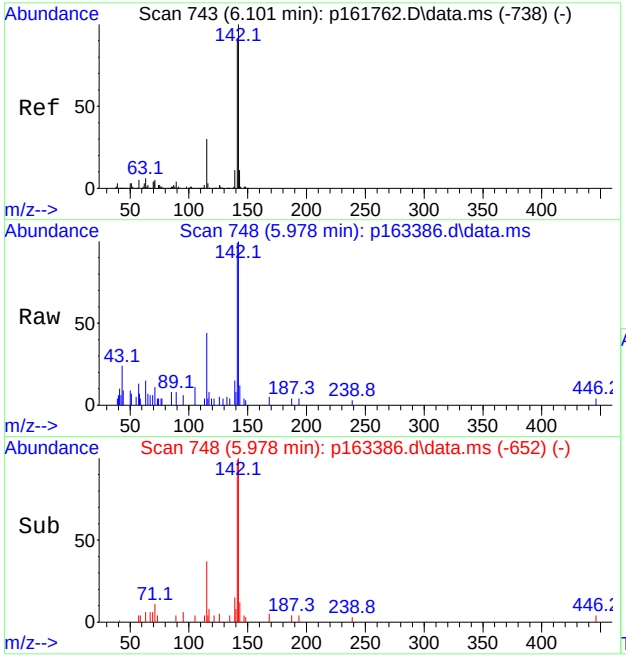


#38
Naphthalene
Concen: 0.7557 ppm
RT: 5.470 min Scan# 653
Delta R.T. 0.005 min
Lab File: p163386.d
Acq: 4 Dec 2024 10:07 pm

Tgt Ion:128 Resp: 6257

Ion	Ratio	Lower	Upper
128	100		
129	12.6	0.0	42.3
127	15.6	0.0	45.4

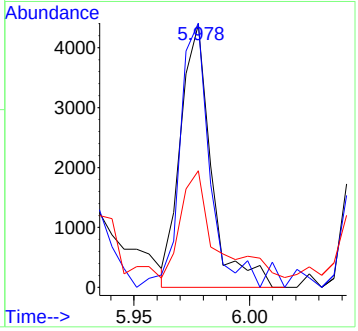


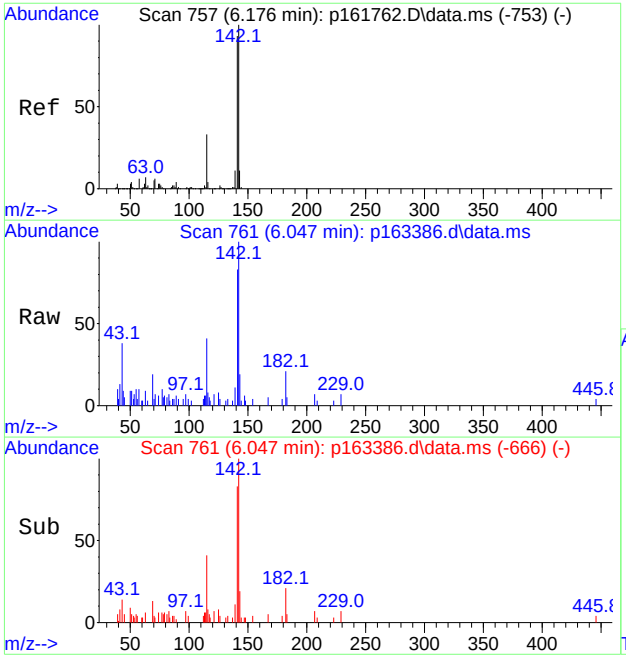


#44
2-Methylnaphthalene
Concen: 0.7822 ppm
RT: 5.978 min Scan# 748
Delta R.T. 0.011 min
Lab File: p163386.d
Acq: 4 Dec 2024 10:07 pm

Tgt Ion:141 Resp: 4064

Ion	Ratio	Lower	Upper
141	100		
142	101.9	78.1	138.1
115	42.3	9.4	69.4

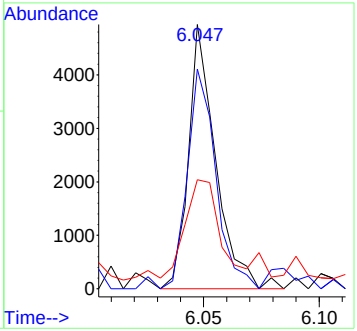


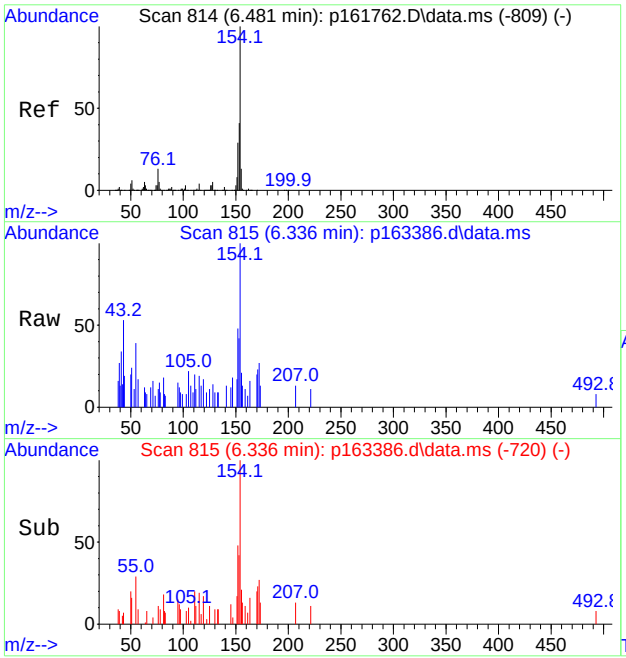


#45
1-Methylnaphthalene
Concen: 0.7700 ppm
RT: 6.047 min Scan# 761
Delta R.T. 0.005 min
Lab File: p163386.d
Acq: 4 Dec 2024 10:07 pm

Tgt Ion:142 Resp: 4061

Ion	Ratio	Lower	Upper
142	100		
141	79.2	62.7	122.7
115	36.7	6.9	66.9

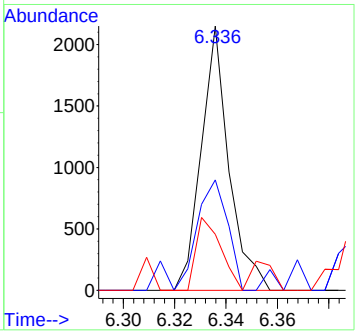


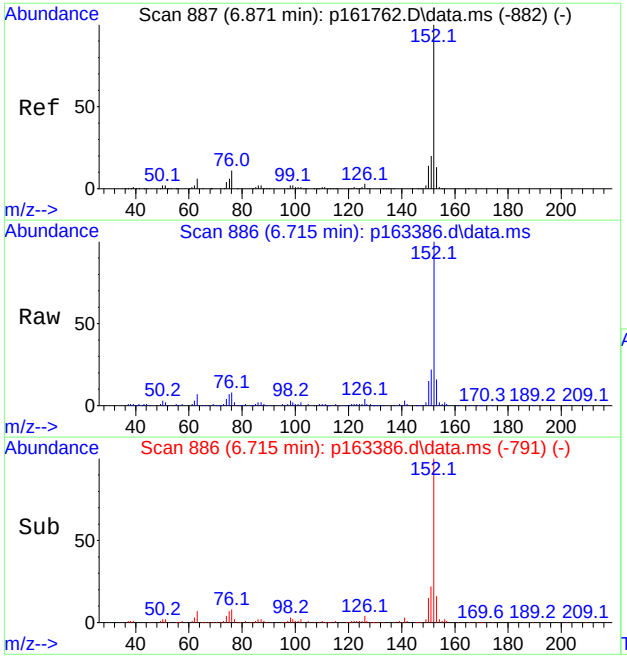


#53
Biphenyl
Concen: 0.2247 ppm
RT: 6.336 min Scan# 815
Delta R.T. 0.005 min
Lab File: p163386.d
Acq: 4 Dec 2024 10:07 pm

Tgt Ion:154 Resp: 1614

Ion	Ratio	Lower	Upper
154	100		
153	36.2	12.8	72.8
155	21.2	0.0	43.8

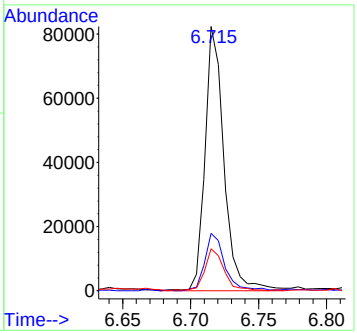


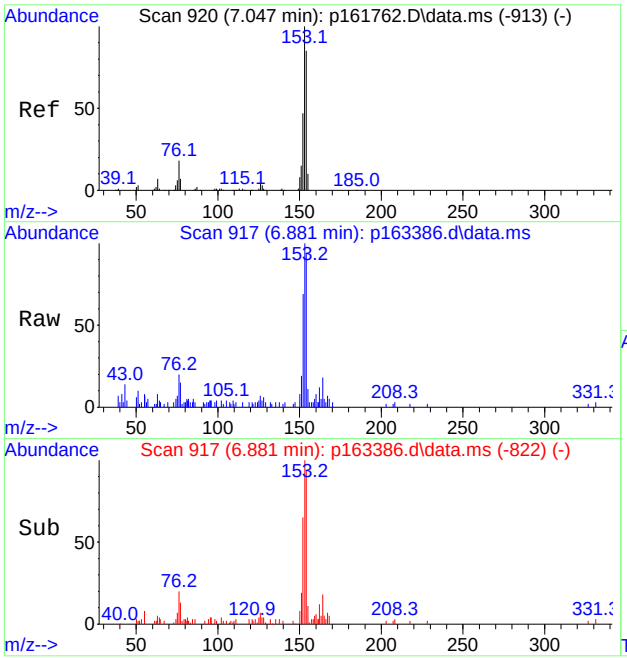


#56
Acenaphthylene
Concen: 10.6293 ppm
RT: 6.715 min Scan# 886
Delta R.T. 0.005 min
Lab File: p163386.d
Acq: 4 Dec 2024 10:07 pm

Tgt Ion:152 Resp: 80022

Ion	Ratio	Lower	Upper
152	100		
151	21.7	0.0	52.4
153	15.8	0.0	44.7

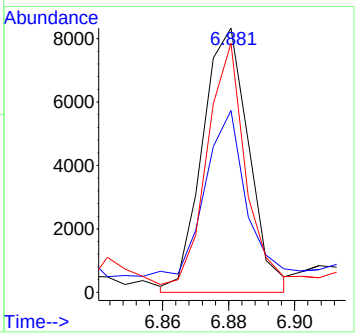


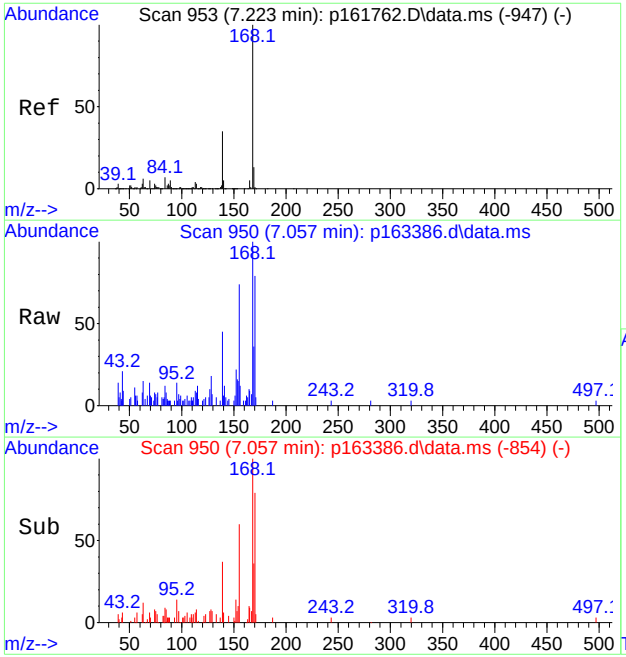


#59
Acenaphthene
Concen: 1.3824 ppm
RT: 6.881 min Scan# 917
Delta R.T. 0.005 min
Lab File: p163386.d
Acq: 4 Dec 2024 10:07 pm

Tgt Ion:153 Resp: 8162

Ion	Ratio	Lower	Upper
153	100		
152	62.9	19.1	79.1
154	93.5	55.0	115.0

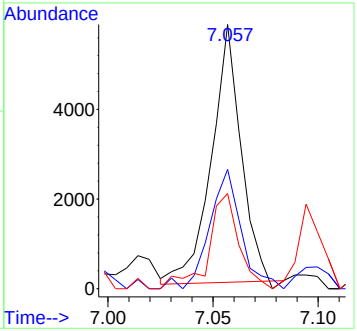


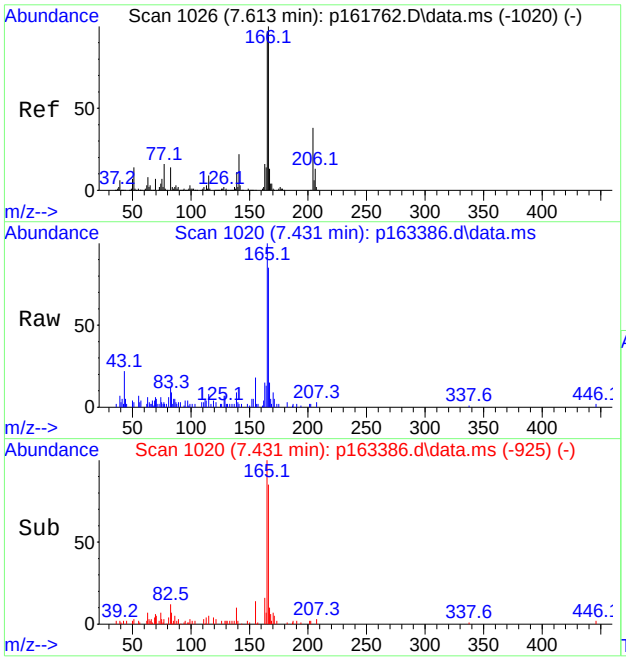


#62
Dibenzofuran
Concen: 0.6754 ppm
RT: 7.057 min Scan# 950
Delta R.T. 0.011 min
Lab File: p163386.d
Acq: 4 Dec 2024 10:07 pm

Tgt Ion:168 Resp: 5611

Ion	Ratio	Lower	Upper
168	100		
139	46.8	9.4	69.4
169	35.9	0.0	44.5

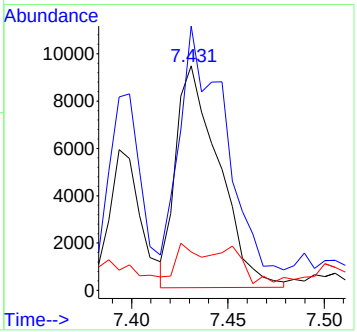


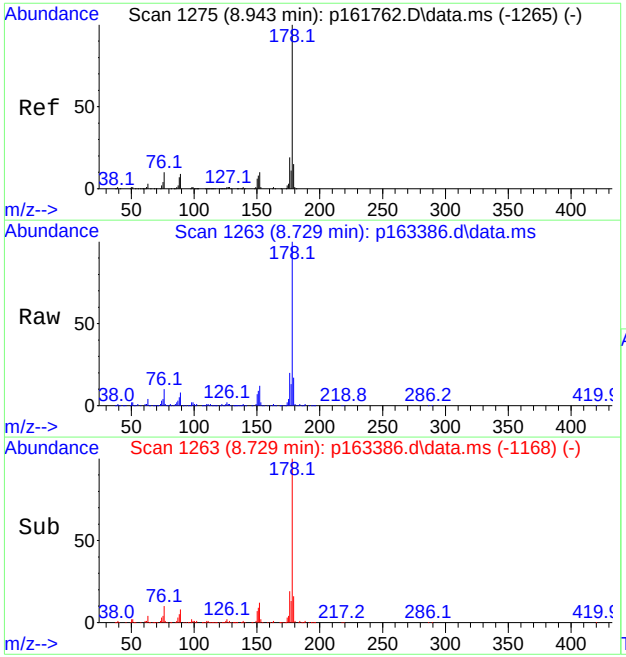


#66
Fluorene
Concen: 2.2851 ppm
RT: 7.431 min Scan# 1020
Delta R.T. 0.005 min
Lab File: p163386.d
Acq: 4 Dec 2024 10:07 pm

Tgt Ion:166 Resp: 14582

Ion	Ratio	Lower	Upper
166	100		
165	114.8	66.7	126.7
167	12.2	0.0	44.5

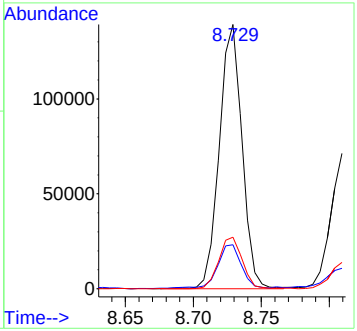


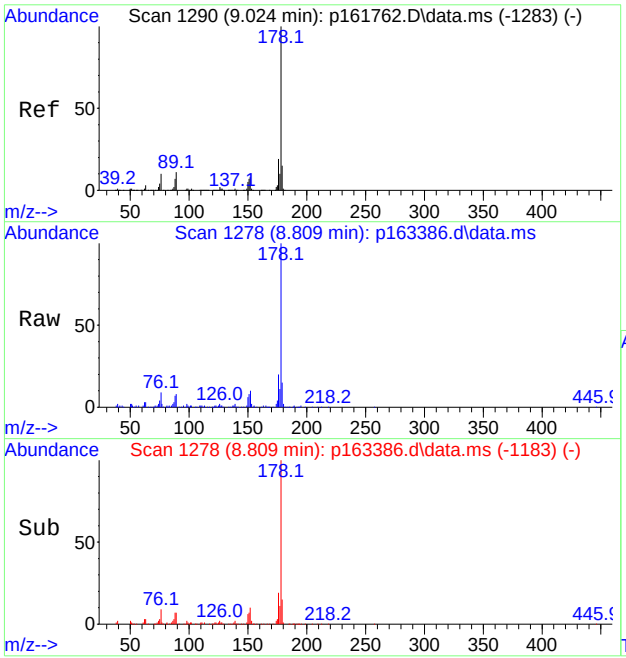


#77
Phenanthrene
Concen: 18.3871 ppm
RT: 8.729 min Scan# 1263
Delta R.T. 0.005 min
Lab File: p163386.d
Acq: 4 Dec 2024 10:07 pm

Tgt Ion:178 Resp: 161461

Ion	Ratio	Lower	Upper
178	100		
179	16.3	0.0	46.7
176	19.4	0.0	51.0

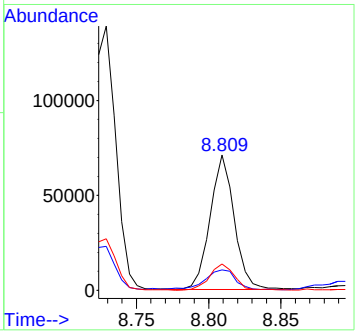


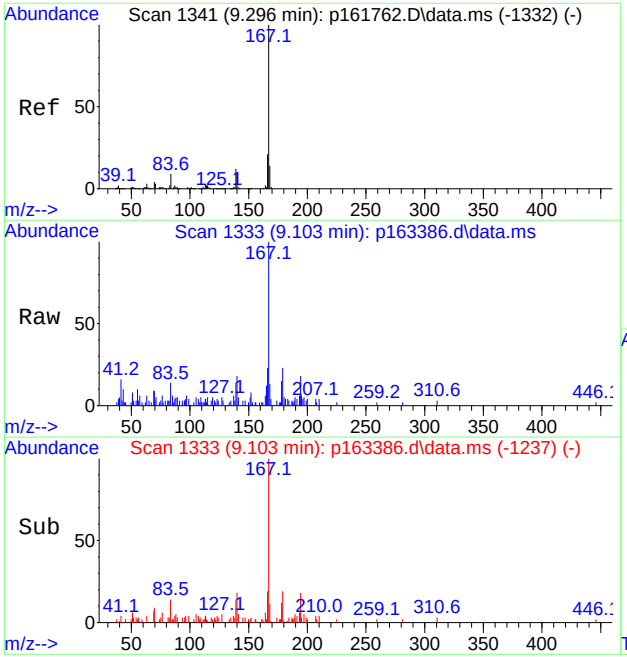


#78
Anthracene
Concen: 9.5249 ppm
RT: 8.809 min Scan# 1278
Delta R.T. 0.005 min
Lab File: p163386.d
Acq: 4 Dec 2024 10:07 pm

Tgt Ion:178 Resp: 82000

Ion	Ratio	Lower	Upper
178	100		
179	14.7	0.0	46.6
176	19.4	0.0	50.2

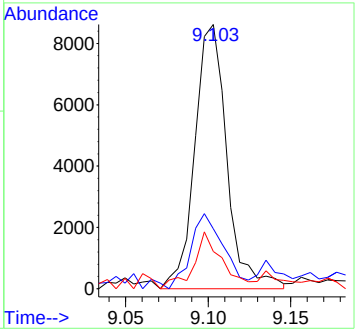


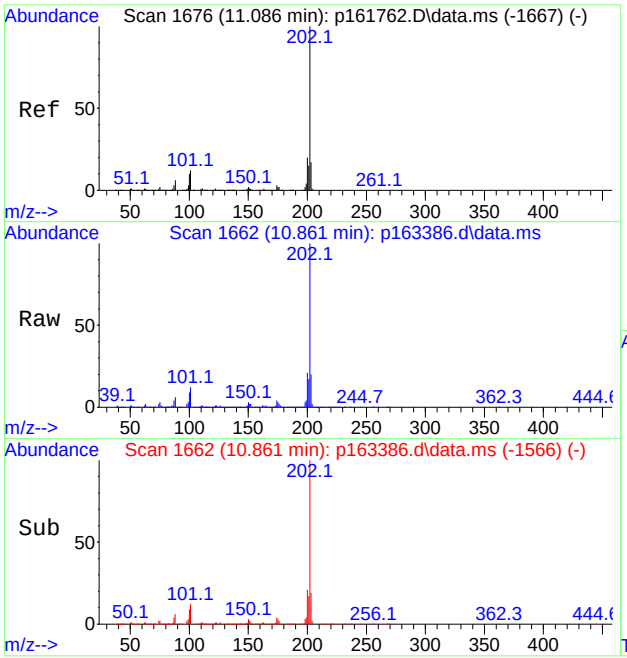


#79
Carbazole
Concen: 1.4345 ppm
RT: 9.103 min Scan# 1333
Delta R.T. 0.011 min
Lab File: p163386.d
Acq: 4 Dec 2024 10:07 pm

Tgt Ion:167 Resp: 11701

Ion	Ratio	Lower	Upper
167	100		
166	19.0	0.0	54.3
139	12.6	0.0	44.6

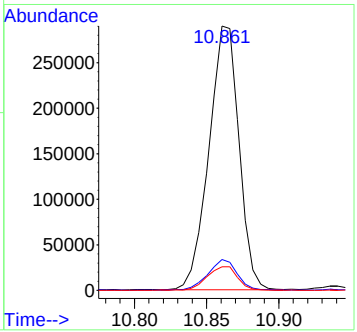


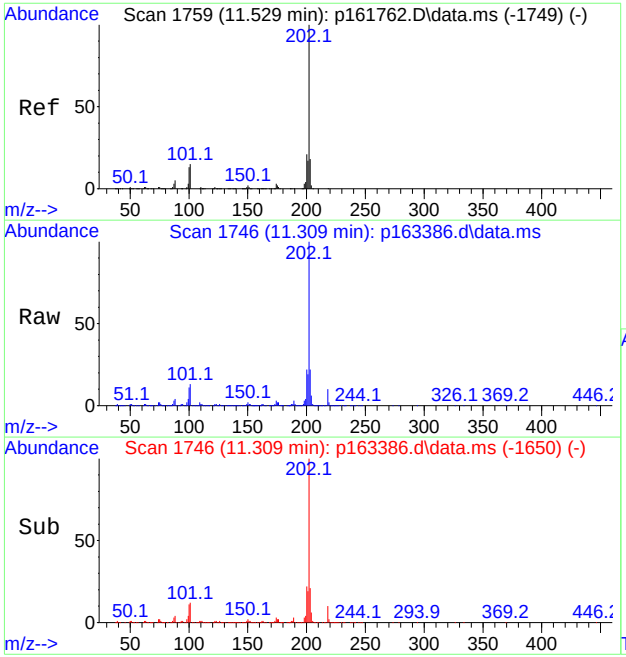


#81
Fluoranthene
Concen: 40.2115 ppm
RT: 10.861 min Scan# 1662
Delta R.T. 0.011 min
Lab File: p163386.d
Acq: 4 Dec 2024 10:07 pm

Tgt Ion:202 Resp: 418137

Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	40.8
100	8.9	0.0	38.6

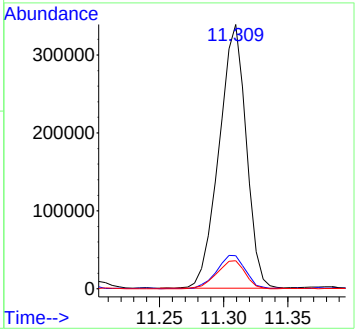


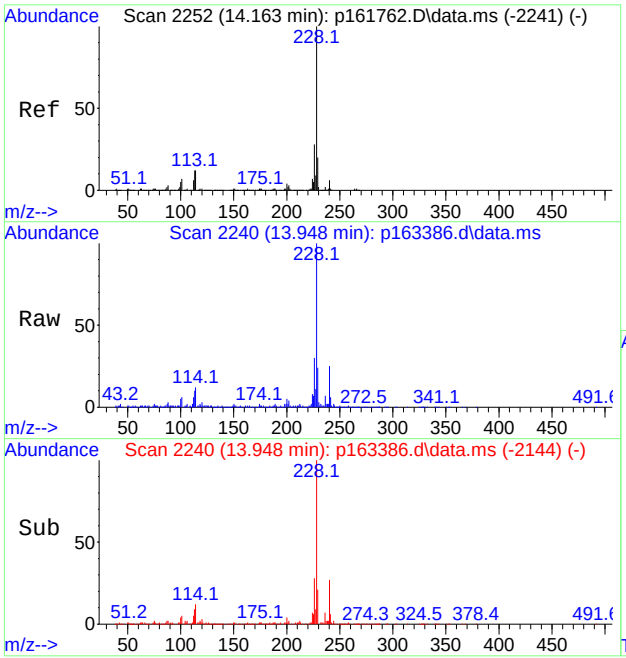


#85
Pyrene
Concen: 39.6939 ppm
RT: 11.309 min Scan# 1746
Delta R.T. 0.011 min
Lab File: p163386.d
Acq: 4 Dec 2024 10:07 pm

Tgt Ion:202 Resp: 499009

Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	42.2
100	10.5	0.0	39.3

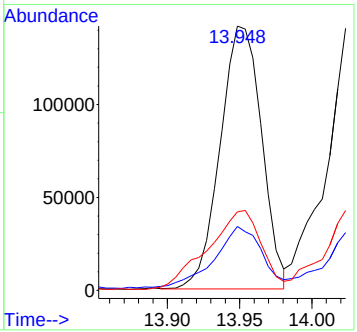


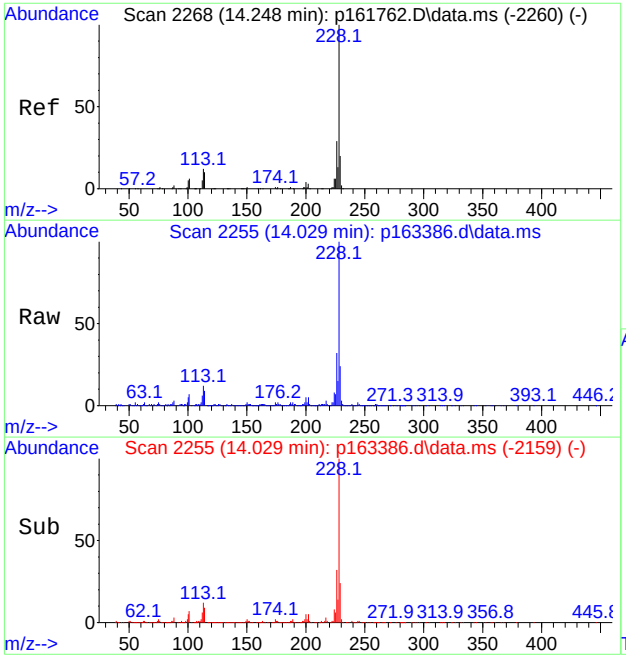


#88
Benzo[a]anthracene
Concen: 23.5294 ppm
RT: 13.948 min Scan# 2240
Delta R.T. 0.011 min
Lab File: p163386.d
Acq: 4 Dec 2024 10:07 pm

Tgt Ion:228 Resp: 283209

Ion	Ratio	Lower	Upper
228	100		
229	22.4	0.0	50.4
226	28.7	0.0	57.8

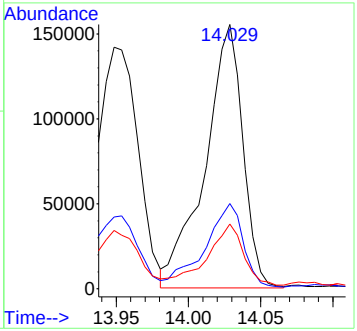


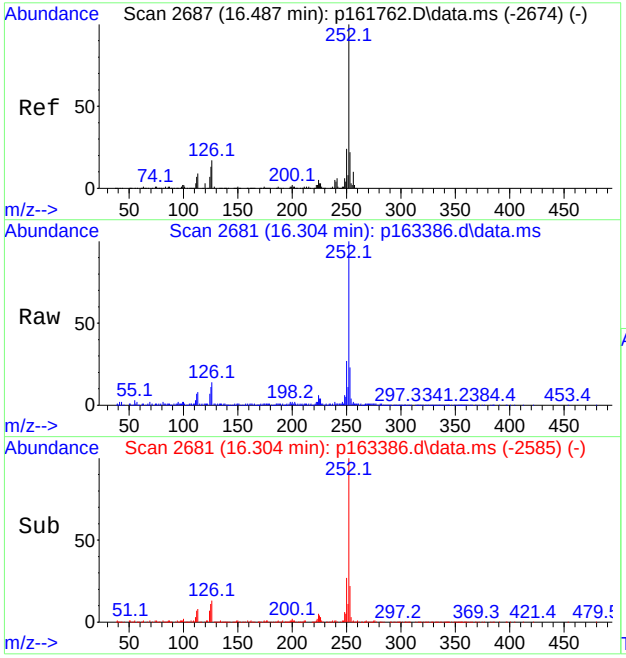


#90
Chrysene
Concen: 25.1966 ppm
RT: 14.029 min Scan# 2255
Delta R.T. 0.011 min
Lab File: p163386.d
Acq: 4 Dec 2024 10:07 pm

Tgt Ion:228 Resp: 282973

Ion	Ratio	Lower	Upper
228	100		
226	31.7	1.3	61.3
229	22.9	0.0	51.0

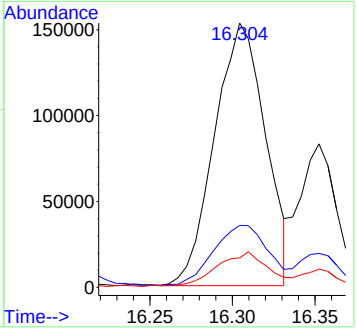


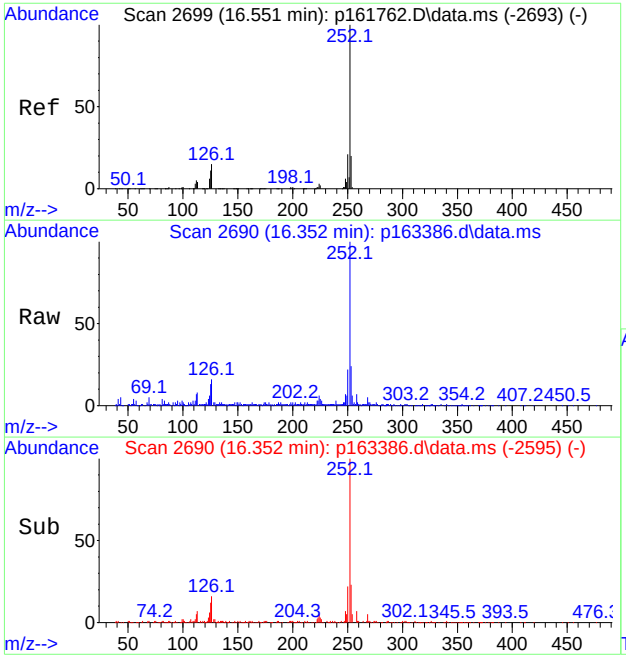


#94
Benzo[b]fluoranthene
Concen: 28.2851 ppm
RT: 16.304 min Scan# 2681
Delta R.T. 0.011 min
Lab File: p163386.d
Acq: 4 Dec 2024 10:07 pm

Tgt Ion:252 Resp: 328304

Ion	Ratio	Lower	Upper
252	100		
253	22.6	0.0	53.6
125	10.3	0.0	41.1

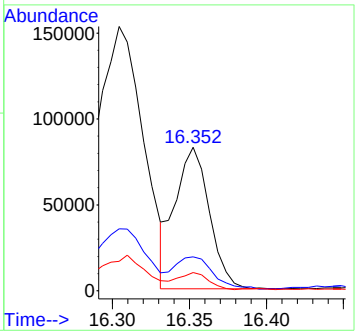


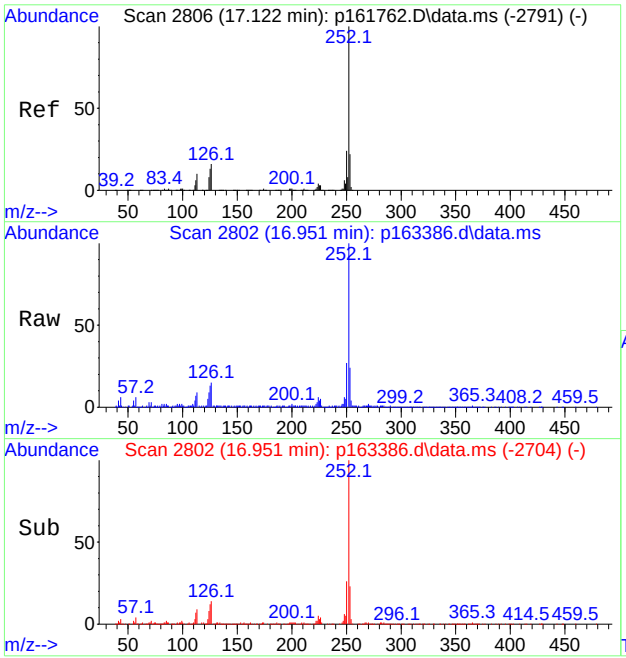


#95
Benzo[k]fluoranthene
Concen: 11.2958 ppm
RT: 16.352 min Scan# 2690
Delta R.T. 0.005 min
Lab File: p163386.d
Acq: 4 Dec 2024 10:07 pm

Tgt Ion:252 Resp: 127542

Ion	Ratio	Lower	Upper
252	100		
253	21.8	0.0	53.9
125	11.2	0.0	40.0

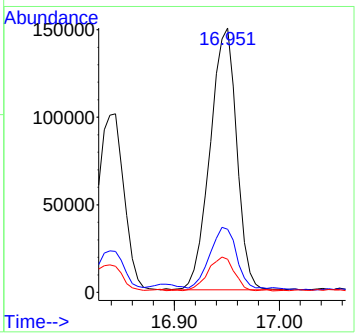


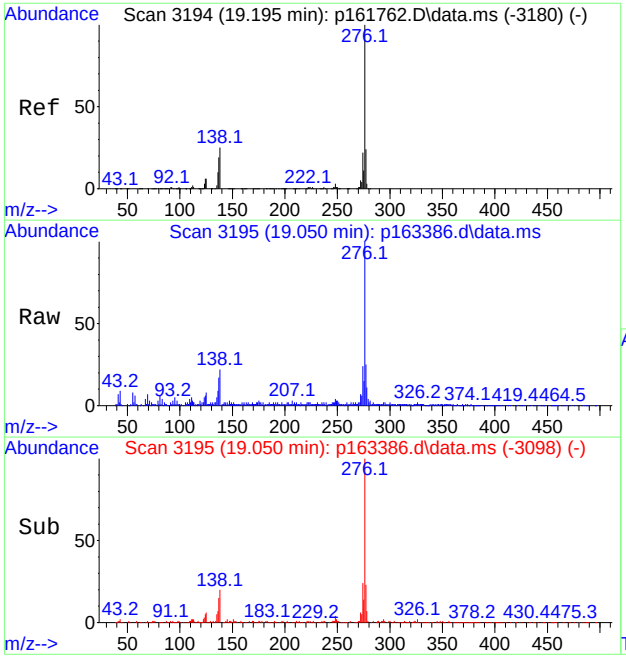


#96
Benzo[a]pyrene
Concen: 26.3527 ppm
RT: 16.951 min Scan# 2802
Delta R.T. 0.021 min
Lab File: p163386.d
Acq: 4 Dec 2024 10:07 pm

Tgt Ion:252 Resp: 263892

Ion	Ratio	Lower	Upper
252	100		
253	21.8	0.0	53.3
125	11.6	0.0	42.3

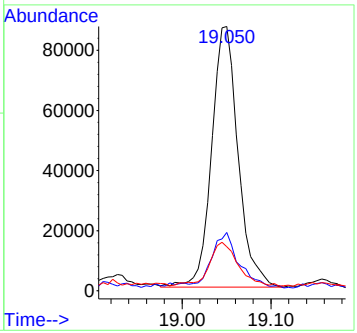


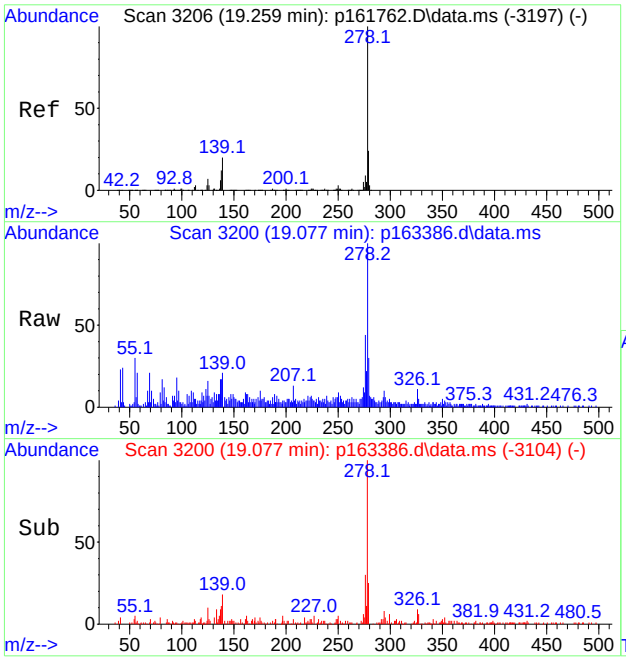


#97
Indeno[1,2,3-cd]pyrene
Concen: 16.5932 ppm
RT: 19.050 min Scan# 3195
Delta R.T. 0.016 min
Lab File: p163386.d
Acq: 4 Dec 2024 10:07 pm

Tgt Ion:276 Resp: 178930

Ion	Ratio	Lower	Upper
276	100		
138	20.9	0.0	44.6
137	14.5	0.0	45.0

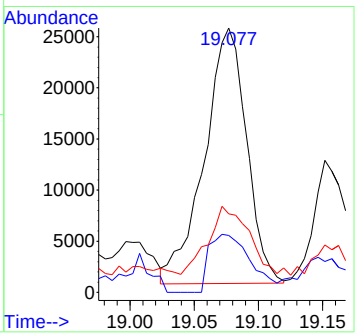


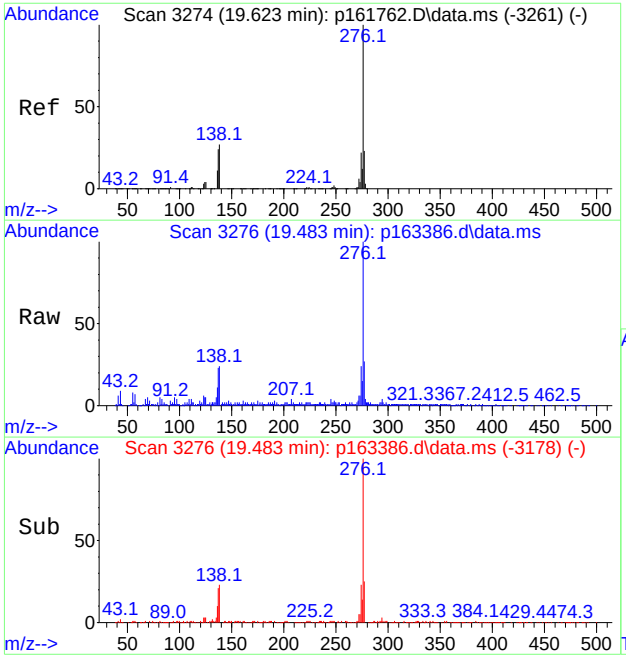


#99
Dibenz[a,h]anthracene
Concen: 5.4839 ppm
RT: 19.077 min Scan# 3200
Delta R.T. 0.011 min
Lab File: p163386.d
Acq: 4 Dec 2024 10:07 pm

Tgt Ion:278 Resp: 57270

Ion	Ratio	Lower	Upper
278	100		
139	16.7	0.0	46.6
279	22.1	0.0	54.9

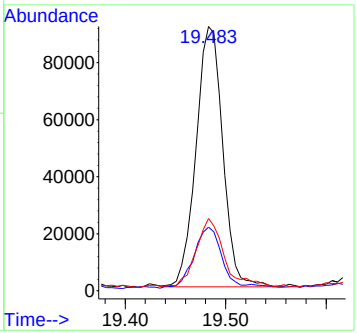




#101
Benzo[g,h,i]perylene
Concen: 16.0526 ppm
RT: 19.483 min Scan# 3276
Delta R.T. 0.021 min
Lab File: p163386.d
Acq: 4 Dec 2024 10:07 pm

Tgt Ion:276 Resp: 169211

Ion	Ratio	Lower	Upper
276	100		
138	23.3	0.0	52.1
277	25.8	0.0	55.6



Manual Integrations APPROVED (compounds with "m" flag)
Jon Kreigmor Mamanta 12/11/24 03:37

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\e4p3706\
Data File : 4p694253.d
Acq On : 10 Dec 2024 8:14 pm
Operator : kaleigh
Sample : je1300-36a Inst : GCMS4P
Misc : op59834,e4p3706,30.2,,,1,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 11 04:29:32 2024
Quant Method : X:\Dayton SVOA GCMS\michaell\e4p3706\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Wed Dec 11 00:48:48 2024
Response via : Initial Calibration

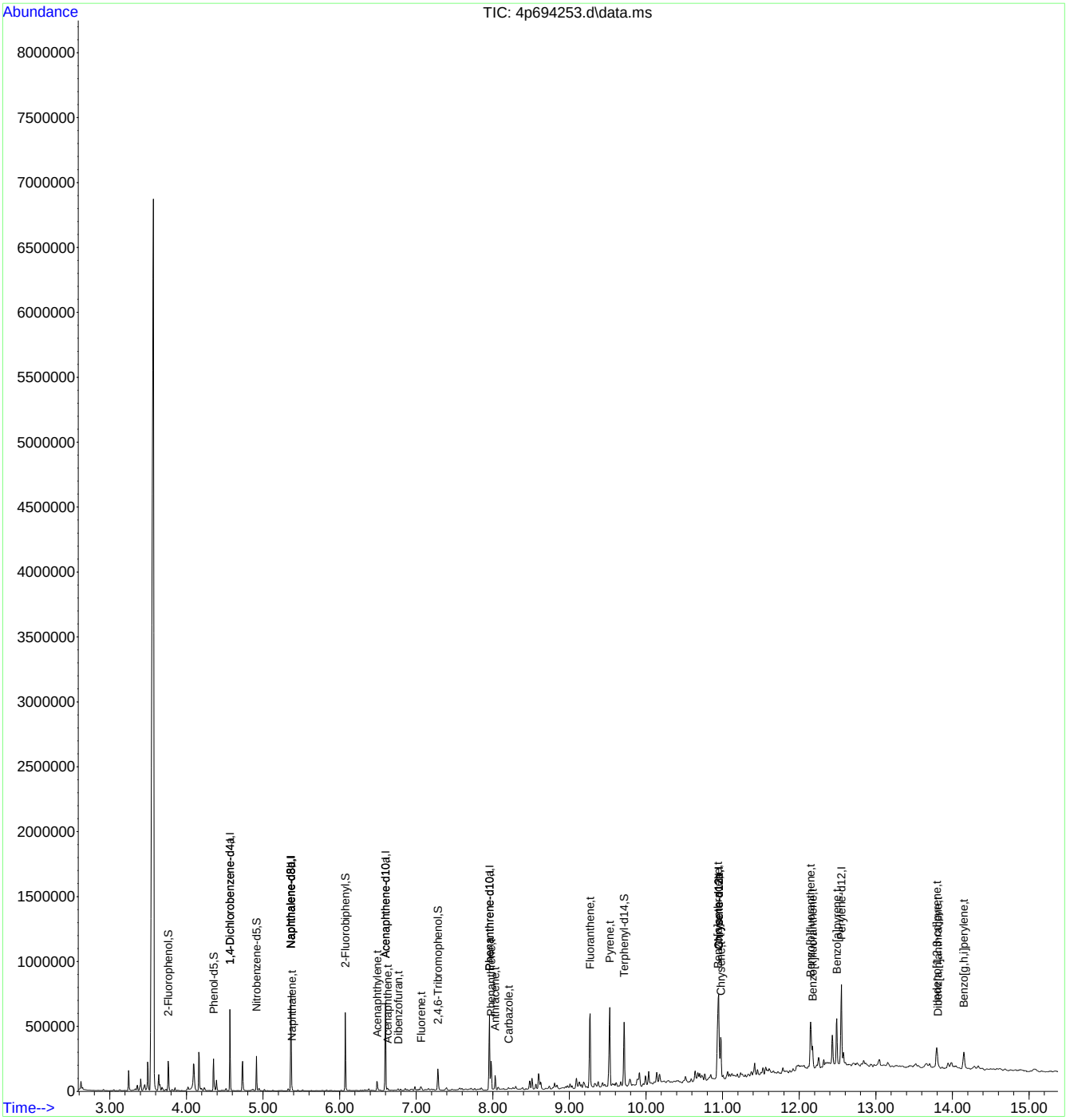
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	61356	40.00	ppm	0.00
24) Naphthalene-d8	5.365	136	220497	40.00	ppm	0.00
46) Acenaphthene-d10	6.599	164	111947	40.00	ppm	0.00
69) Phenanthrene-d10	7.956	188	189249	40.00	ppm	0.00
84) Chrysene-d12	10.948	240	207458	40.00	ppm	0.00
93) Perylene-d12	12.550	264	225082	40.00	ppm	0.00
103) 1,4-Dichlorobenzene-d4a	4.569	152	61356	40.00	ppm	0.00
105) Acenaphthene-d10a	6.599	164	111947	40.00	ppm	0.00
107) Chrysene-d12a	10.948	240	207458	40.00	ppm	0.00
109) Phenanthrene-d10a	7.956	188	189249	40.00	ppm	0.00
111) Naphthalene-d8a	5.365	136	220497	40.00	ppm	0.00
113) Chrysene-d12b	10.948	240	207458	40.00	ppm	0.00
115) Naphthalene-d8b	5.365	136	220497	40.00	ppm	0.00
118) Naphthalene-d8c	5.365	136	220497	40.00	ppm	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.762	112	47067	27.91	ppm	0.02
Spiked Amount 50.000			Recovery = 55.82%			
8) Phenol-d5	4.355	99	56377	25.41	ppm	0.02
Spiked Amount 50.000			Recovery = 50.82%			
25) Nitrobenzene-d5	4.916	82	58308	29.86	ppm	0.00
Spiked Amount 50.000			Recovery = 59.72%			
51) 2-Fluorobiphenyl	6.076	172	131297	34.44	ppm	0.00
Spiked Amount 50.000			Recovery = 68.88%			
74) 2,4,6-Tribromophenol	7.283	330	13355	28.01	ppm	0.00
Spiked Amount 50.000			Recovery = 56.02%			
87) Terphenyl-d14	9.714	244	149046	28.88	ppm	0.00
Spiked Amount 50.000			Recovery = 57.76%			
108) 1-chlorooctadecane	0.000	57	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
110) o-terphenyl	0.000	230	0	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
38) Naphthalene	5.376	128	3381	0.5864	ppm	91
56) Acenaphthylene	6.492	152	32164	7.0479	ppm	98
59) Acenaphthene	6.626	153	3299	0.9460	ppm	88
62) Dibenzofuran	6.765	168	2632	0.5555	ppm	99
66) Fluorene	7.064	166	6858	1.8156	ppm	93
78) Phenanthrene	7.977	178	76240	14.3929	ppm	99
79) Anthracene	8.031	178	40112	7.7032	ppm	98
80) Carbazole	8.207	167	5081	1.0624	ppm	87
82) Fluoranthene	9.270	202	231865	40.3633	ppm	99
86) Pyrene	9.527	202	249659	34.2026	ppm	99
89) Benzo[a]anthracene	10.937	228	149249	22.1268	ppm	94
91) Chrysene	10.980	228	135269	20.8004	ppm	99
95) Benzo[b]fluoranthene	12.150	252	173096m	24.8444	ppm	
96) Benzo[k]fluoranthene	12.176	252	56933m	8.6181	ppm	
97) Benzo[a]pyrene	12.492	252	135513	23.0063	ppm	98
98) Indeno[1,2,3-cd]pyrene	13.795	276	81542	10.3966	ppm	99
100) Dibenz[a,h]anthracene	13.811	278	20632	3.2437	ppm	95
102) Benzo[g,h,i]perylene	14.148	276	76458	12.8755	ppm	95

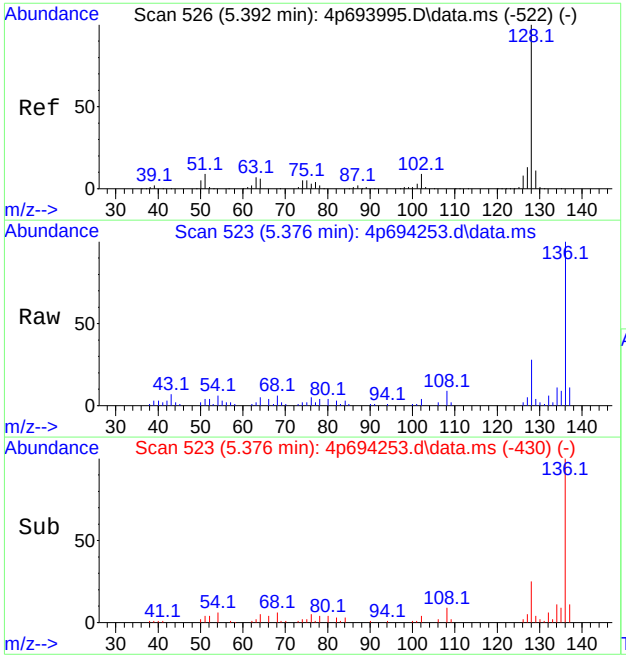
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\e4p3706\
Data File : 4p694253.d
Acq On : 10 Dec 2024 8:14 pm
Operator : kaleigh
Sample : je1300-36a Inst : GCMS4P
Misc : op59834,e4p3706,30.2,,,1,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 11 04:29:32 2024
Quant Method : X:\Dayton SVOA GCMS\michaell\e4p3706\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Wed Dec 11 00:48:48 2024
Response via : Initial Calibration

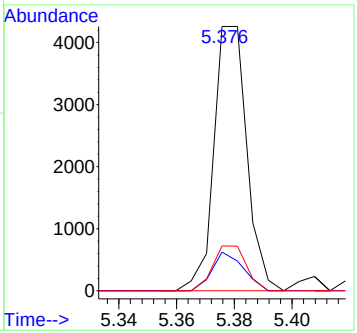


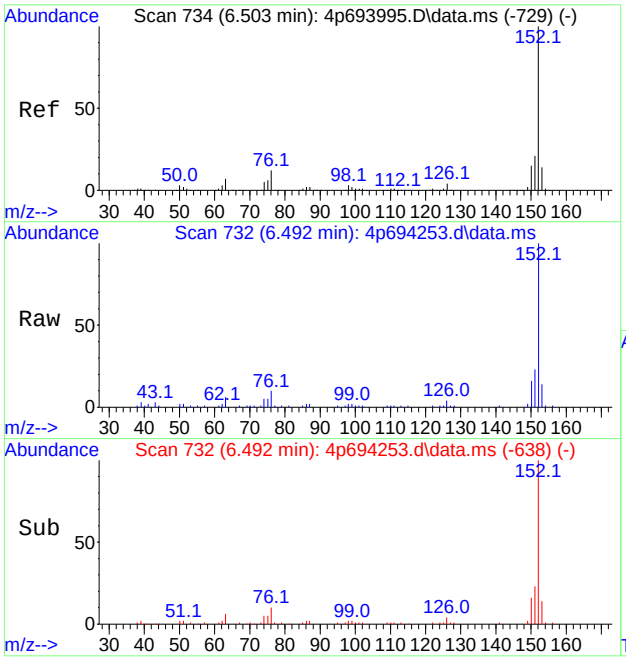


#38
Naphthalene
Concen: 0.5864 ppm
RT: 5.376 min Scan# 523
Delta R.T. -0.005 min
Lab File: 4p694253.d
Acq: 10 Dec 2024 8:14 pm

Tgt Ion:128 Resp: 3381

Ion	Ratio	Lower	Upper
128	100		
129	14.7	0.0	40.9
127	16.9	0.0	43.9

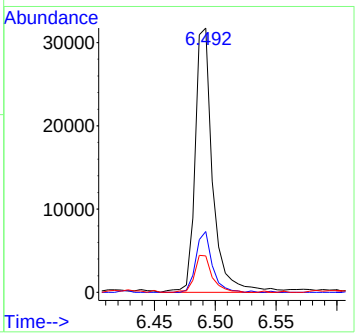


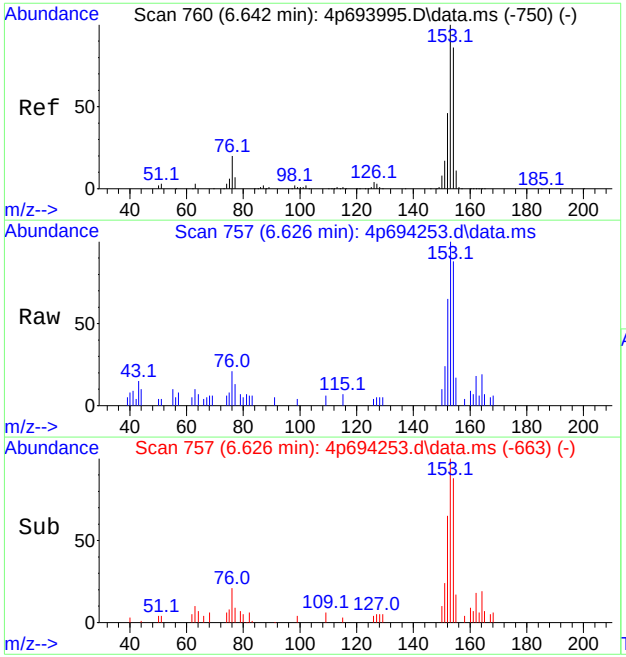


#56
Acenaphthylene
Concen: 7.0479 ppm
RT: 6.492 min Scan# 732
Delta R.T. -0.000 min
Lab File: 4p694253.d
Acq: 10 Dec 2024 8:14 pm

Tgt Ion:152 Resp: 32164

Ion	Ratio	Lower	Upper
152	100		
151	23.1	0.0	51.4
153	13.6	0.0	43.4

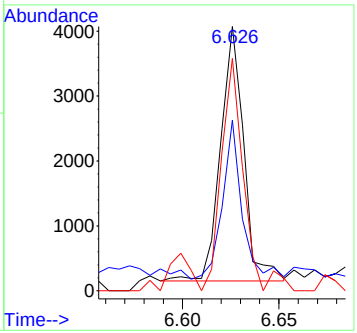


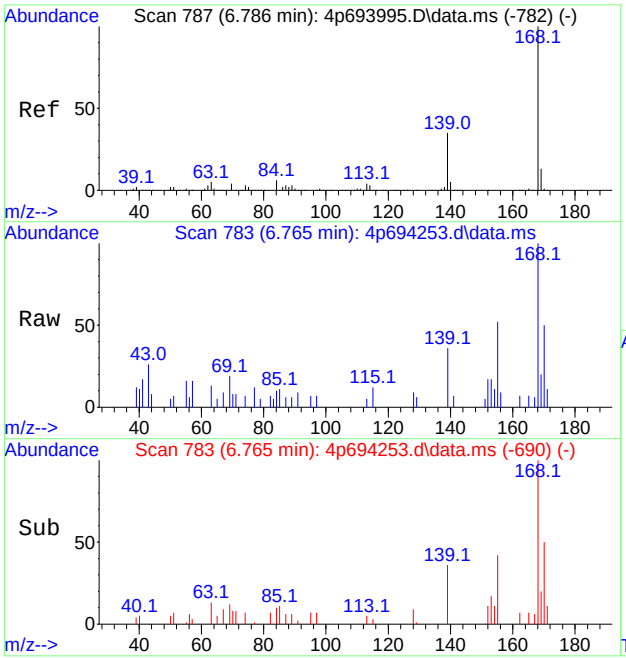


#59
Acenaphthene
Concen: 0.9460 ppm
RT: 6.626 min Scan# 757
Delta R.T. -0.000 min
Lab File: 4p694253.d
Acq: 10 Dec 2024 8:14 pm

Tgt Ion:153 Resp: 3299

Ion	Ratio	Lower	Upper
153	100		
152	60.2	17.7	77.7
154	89.1	52.1	112.1

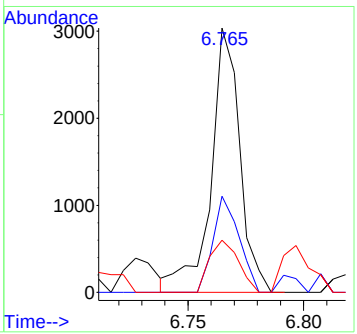


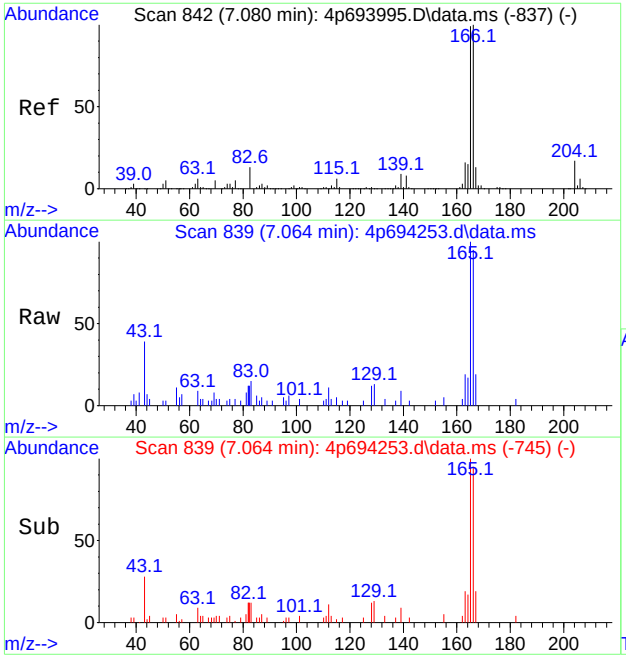


#62
Dibenzofuran
Concen: 0.5555 ppm
RT: 6.765 min Scan# 783
Delta R.T. -0.005 min
Lab File: 4p694253.d
Acq: 10 Dec 2024 8:14 pm

Tgt Ion:168 Resp: 2632

Ion	Ratio	Lower	Upper
168	100		
139	34.0	4.7	64.7
169	13.2	0.0	43.4

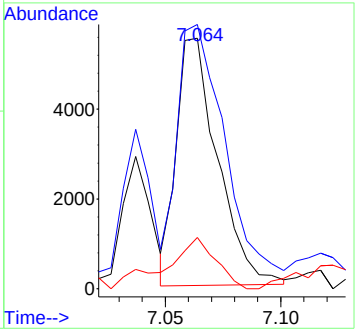


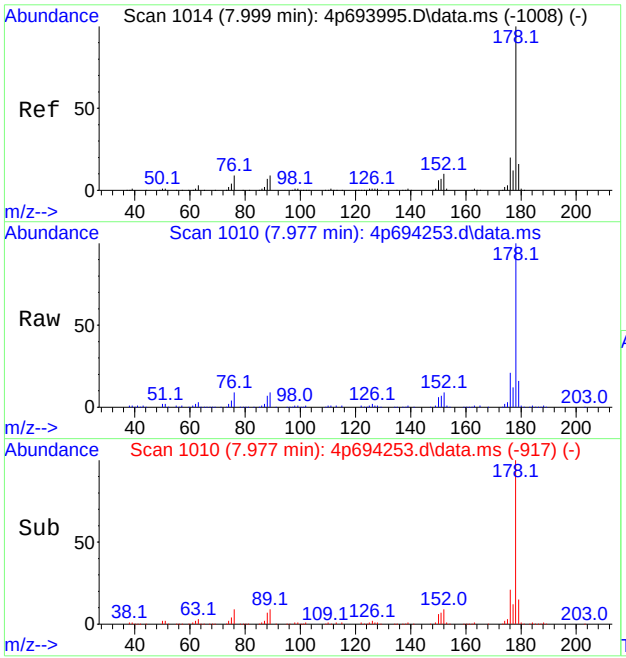


#66
Fluorene
Concen: 1.8156 ppm
RT: 7.064 min Scan# 839
Delta R.T. -0.000 min
Lab File: 4p694253.d
Acq: 10 Dec 2024 8:14 pm

Tgt Ion:166 Resp: 6858

Ion	Ratio	Lower	Upper
166	100		
165	103.2	67.1	127.1
167	16.7	0.0	43.1

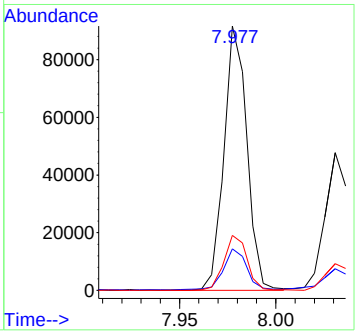


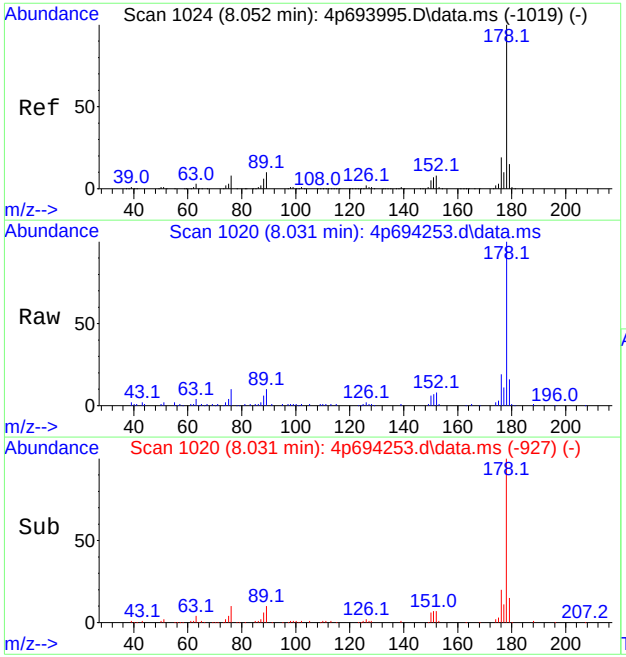


#78
Phenanthrene
Concen: 14.3929 ppm
RT: 7.977 min Scan# 1010
Delta R.T. -0.005 min
Lab File: 4p694253.d
Acq: 10 Dec 2024 8:14 pm

Tgt Ion:178 Resp: 76240

Ion	Ratio	Lower	Upper
178	100		
179	15.4	0.0	45.5
176	20.8	0.0	49.9

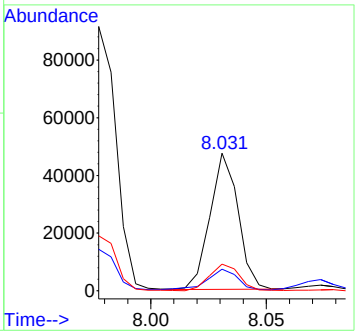


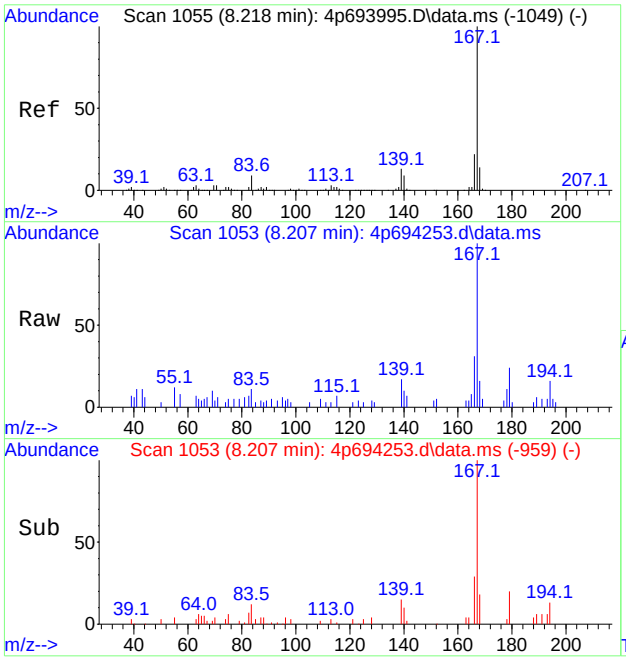


#79
Anthracene
Concen: 7.7032 ppm
RT: 8.031 min Scan# 1020
Delta R.T. -0.005 min
Lab File: 4p694253.d
Acq: 10 Dec 2024 8:14 pm

Tgt Ion:178 Resp: 40112

Ion	Ratio	Lower	Upper
178	100		
179	14.7	0.0	45.7
176	19.3	0.0	50.1

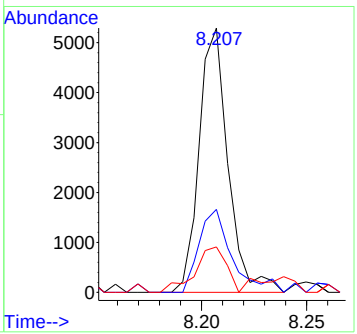


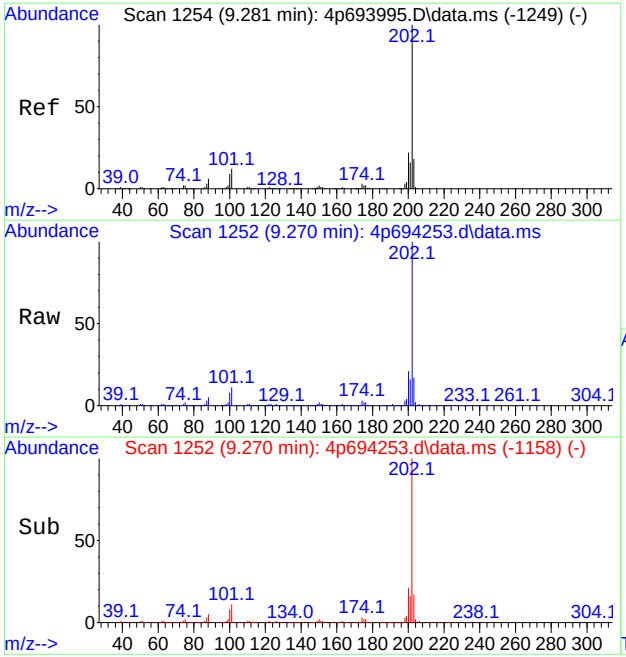


#80
Carbazole
Concen: 1.0624 ppm
RT: 8.207 min Scan# 1053
Delta R.T. -0.000 min
Lab File: 4p694253.d
Acq: 10 Dec 2024 8:14 pm

Tgt Ion:167 Resp: 5081

Ion	Ratio	Lower	Upper
167	100		
166	31.4	0.0	53.0
139	14.2	0.0	42.5

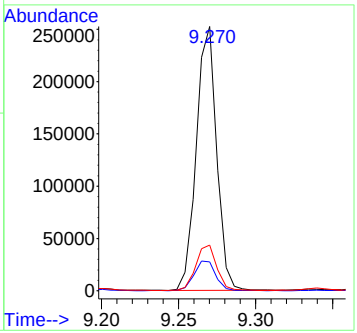


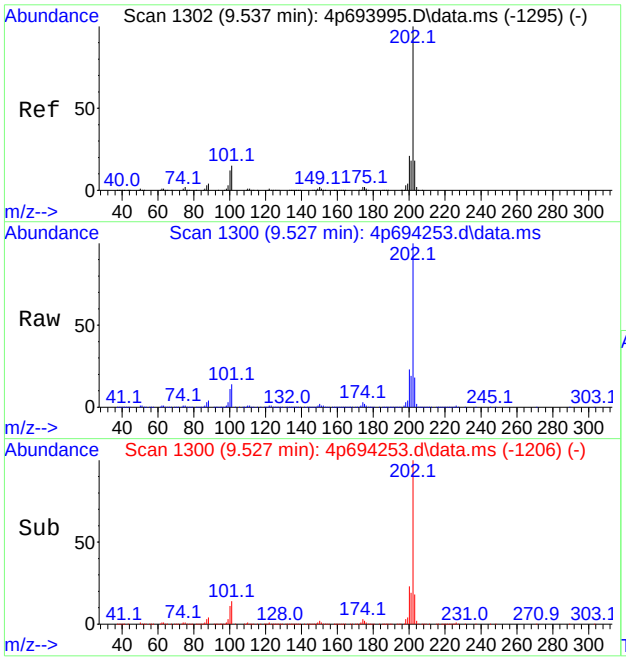


#82
Fluoranthene
Concen: 40.3633 ppm
RT: 9.270 min Scan# 1252
Delta R.T. -0.000 min
Lab File: 4p694253.d
Acq: 10 Dec 2024 8:14 pm

Tgt Ion:202 Resp: 231865

Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	41.0
203	17.2	0.0	48.1

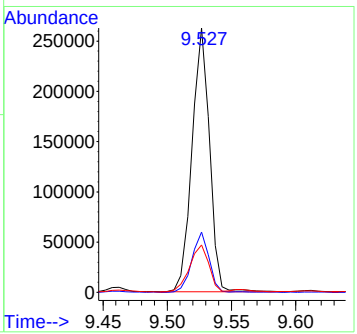


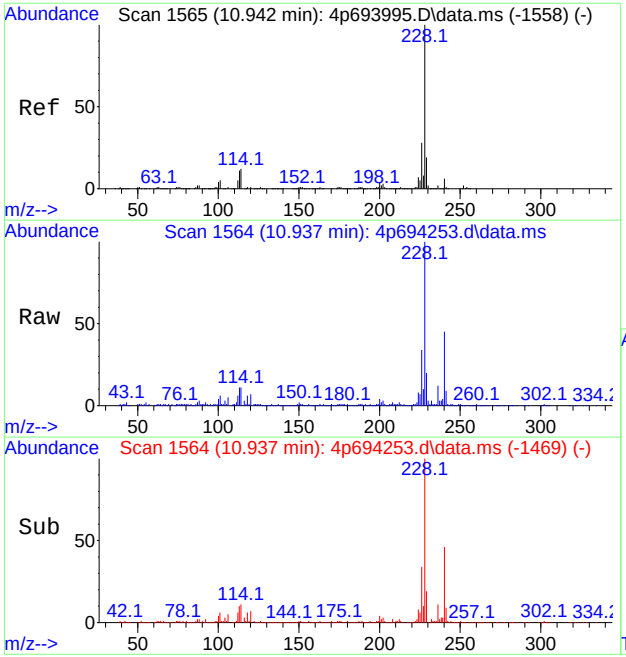


#86
Pyrene
Concen: 34.2026 ppm
RT: 9.527 min Scan# 1300
Delta R.T. -0.000 min
Lab File: 4p694253.d
Acq: 10 Dec 2024 8:14 pm

Tgt Ion:202 Resp: 249659

Ion	Ratio	Lower	Upper
202	100		
200	22.8	0.0	52.2
203	17.7	0.0	47.8

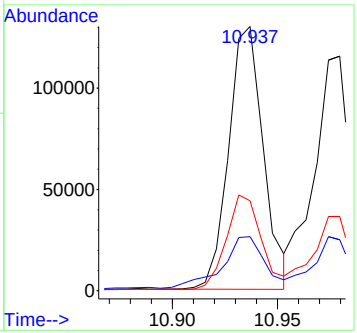


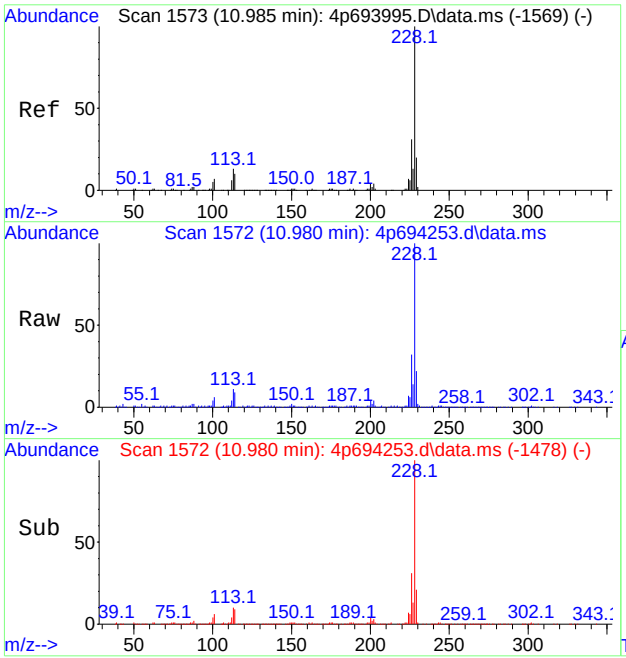


#89
Benzo[a]anthracene
Concen: 22.1268 ppm
RT: 10.937 min Scan# 1564
Delta R.T. 0.005 min
Lab File: 4p694253.d
Acq: 10 Dec 2024 8:14 pm

Tgt Ion:228 Resp: 149249

Ion	Ratio	Lower	Upper
228	100		
229	19.3	0.0	49.4
226	33.4	0.0	58.6

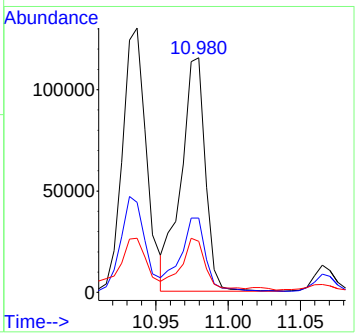


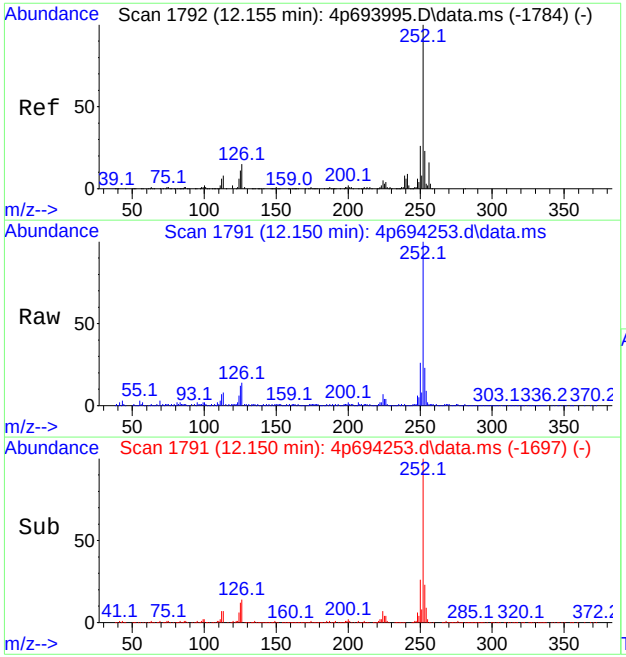


#91
Chrysene
Concen: 20.8004 ppm
RT: 10.980 min Scan# 1572
Delta R.T. -0.000 min
Lab File: 4p694253.d
Acq: 10 Dec 2024 8:14 pm

Tgt Ion:228 Resp: 135269

Ion	Ratio	Lower	Upper
228	100		
226	30.8	1.4	61.4
229	20.5	0.0	49.8

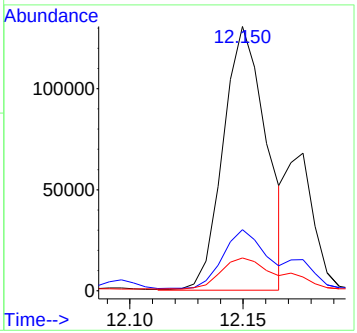


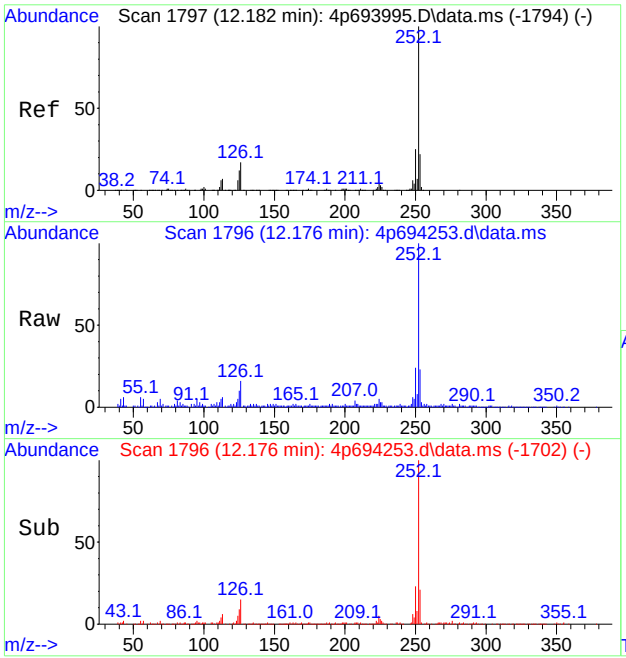


#95
Benzo[b]fluoranthene
Concen: 24.8444 ppm m
RT: 12.150 min Scan# 1791
Delta R.T. -0.000 min
Lab File: 4p694253.d
Acq: 10 Dec 2024 8:14 pm

Tgt Ion:252 Resp: 173096

Ion	Ratio	Lower	Upper
252	100		
253	23.1	0.0	52.4
125	12.4	0.0	42.1

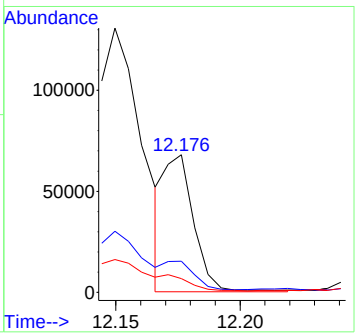


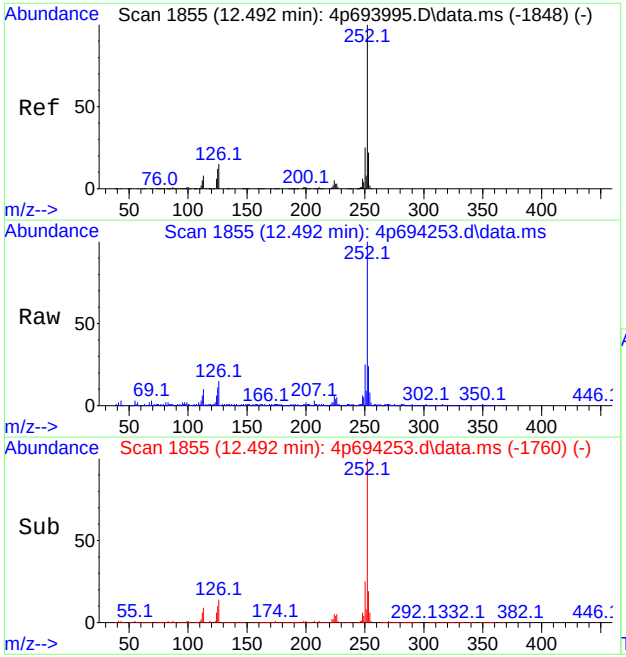


#96
Benzo[k]fluoranthene
Concen: 8.6181 ppm m
RT: 12.176 min Scan# 1796
Delta R.T. -0.000 min
Lab File: 4p694253.d
Acq: 10 Dec 2024 8:14 pm

Tgt Ion:252 Resp: 56933

Ion	Ratio	Lower	Upper
252	100		
253	22.7	0.0	52.3
125	10.0	0.0	41.8

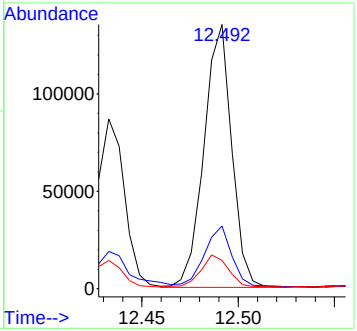


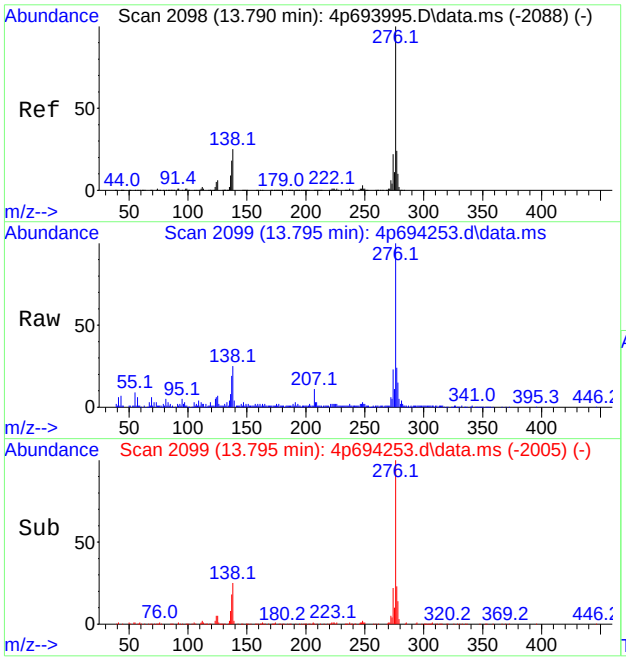


#97
Benzo[a]pyrene
Concen: 23.0063 ppm
RT: 12.492 min Scan# 1855
Delta R.T. 0.005 min
Lab File: 4p694253.d
Acq: 10 Dec 2024 8:14 pm

Tgt Ion:252 Resp: 135513

Ion	Ratio	Lower	Upper
252	100		
253	22.3	0.0	52.1
125	10.2	0.0	42.6

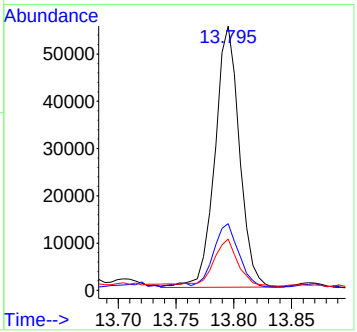


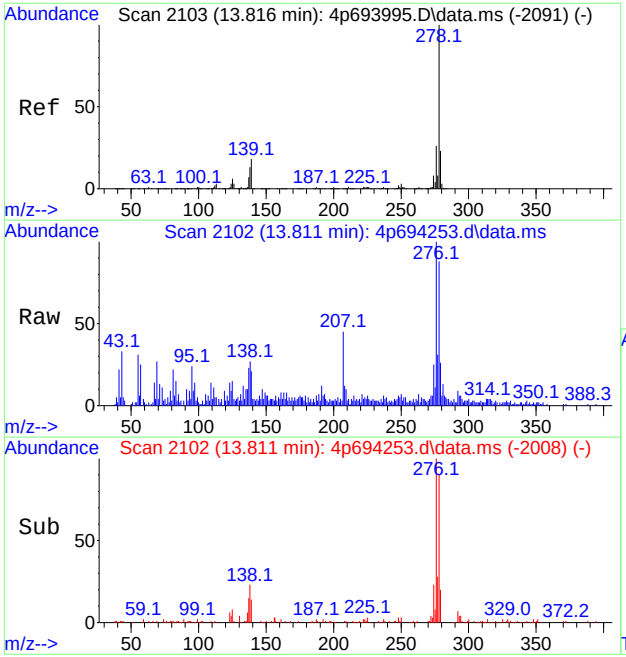


#98
Indeno[1,2,3-cd]pyrene
Concen: 10.3966 ppm
RT: 13.795 min Scan# 2099
Delta R.T. -0.000 min
Lab File: 4p694253.d
Acq: 10 Dec 2024 8:14 pm

Tgt Ion:276 Resp: 81542

Ion	Ratio	Lower	Upper
276	100		
138	24.2	0.0	55.0
137	17.6	0.0	47.3

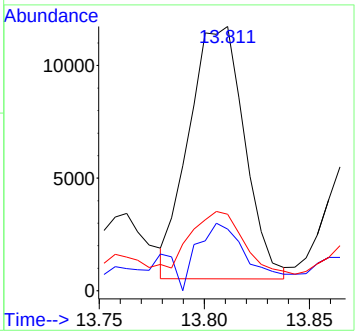


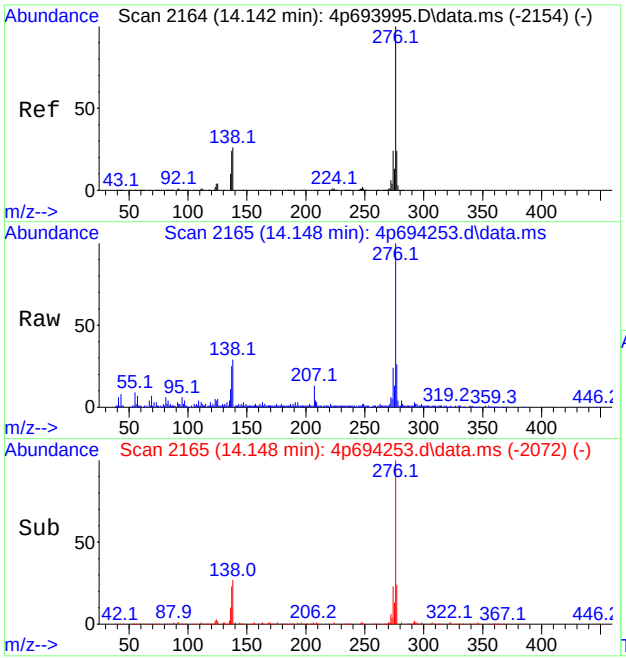


#100
Dibenz[a,h]anthracene
Concen: 3.2437 ppm
RT: 13.811 min Scan# 2102
Delta R.T. -0.000 min
Lab File: 4p694253.d
Acq: 10 Dec 2024 8:14 pm

Tgt Ion:278 Resp: 20632

Ion	Ratio	Lower	Upper
278	100		
139	15.1	0.0	49.7
279	23.0	0.0	53.0

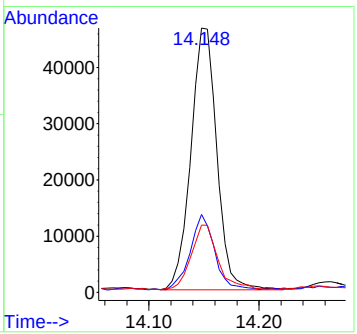




#102
Benzo[g,h,i]perylene
Concen: 12.8755 ppm
RT: 14.148 min Scan# 2165
Delta R.T. -0.005 min
Lab File: 4p694253.d
Acq: 10 Dec 2024 8:14 pm

Tgt Ion:276 Resp: 76458

Ion	Ratio	Lower	Upper
276	100		
138	28.6	0.0	54.1
277	24.4	0.0	53.7



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\EP7624\
Data File : p163387.d
Acq On : 4 Dec 2024 10:32 pm
Operator : anthonyo
Sample : je1300-37 Inst : GCMSP
Misc : op59834,ep7624,30.3,,,1,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 05 08:39:21 2024
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Dec 05 08:23:07 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.530	152	126763	40.00	ppm		0.01
24) Naphthalene-d8	5.455	136	425525	40.00	ppm		0.00
46) Acenaphthene-d10	6.849	164	244507	40.00	ppm		0.00
69) Phenanthrene-d10	8.692	188	447986	40.00	ppm		0.00
83) Chrysene-d12	13.970	240	425739	40.00	ppm		0.01
92) Perylene-d12	17.063	264	468297	40.00	ppm		0.03
102) 1,4-Dichlorobenzene-d4A	4.530	152	126763	40.00	ppm		0.01
112) Naphthalene-d8A	5.455	136	425525	40.00	ppm		0.00
121) Acenaphthene-d10A	6.849	164	244507	40.00	ppm		0.00
132) Phenanthrene-d10A	8.692	188	447986	40.00	ppm		0.00
147) Chrysene-d12A	13.970	240	425739	40.00	ppm		0.01
154) Perylene-d12A	17.063	264	468297	40.00	ppm		0.03
158) 1,4-Dichlorobenzene-d4b	4.530	152	126763	40.00	ppm		0.01
160) Phenanthrene-d10b	8.692	188	447986	40.00	ppm		0.00
162) Naphthalene-d8b	5.455	136	425525	40.00	ppm	#	0.00
164) Naphthalene-d8c	5.455	136	425525	40.00	ppm		0.00
168) 1,4-Dichlorobenzene-d4c	4.530	152	126763	40.00	ppm		0.01
170) Chrysene-d12c	13.970	240	425739	40.00	ppm		0.01
172) Chrysene-d12d	13.970	240	425739	40.00	ppm		0.01
174) Naphthalene-d8d	5.455	136	425525	40.00	ppm		0.00
176) Chrysene-d12e	13.970	240	425739	40.00	ppm		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	3.579	112	72433	19.15	ppm		0.02
Spiked Amount 50.000			Recovery =	38.30%			
8) Phenol-d5	4.311	99	91359	20.12	ppm		0.02
Spiked Amount 50.000			Recovery =	40.24%			
25) Nitrobenzene-d5	4.942	82	88569	27.69	ppm		0.00
Spiked Amount 50.000			Recovery =	55.38%			
51) 2-Fluorobiphenyl	6.251	172	235927	27.92	ppm		0.00
Spiked Amount 50.000			Recovery =	55.84%			
73) 2,4,6-Tribromophenol	7.736	330	43302	40.36	ppm		0.01
Spiked Amount 50.000			Recovery =	80.72%			
86) Terphenyl-d14	11.721	244	299466	29.33	ppm		0.01
Spiked Amount 50.000			Recovery =	58.66%			
Target Compounds							Qvalue
38) Naphthalene	5.471	128	3695	0.3543	ppm		90
44) 2-Methylnaphthalene	5.978	141	1594	0.2436	ppm		91
45) 1-Methylnaphthalene	5.978	142	1404	0.2113	ppm		92
53) Biphenyl	6.336	154	1744	0.1884	ppm		84
56) Acenaphthylene	6.721	152	9601	0.9893	ppm		93
59) Acenaphthene	6.876	153	1895	0.2490	ppm	#	67
62) Dibenzofuran	7.057	168	3025	0.2825	ppm		98
66) Fluorene	7.431	166	3174	0.3859	ppm		87
77) Phenanthrene	8.729	178	22806	2.0114	ppm		98
78) Anthracene	8.815	178	8823	0.7937	ppm		95
81) Fluoranthene	10.861	202	55786	4.1550	ppm		97
85) Pyrene	11.304	202	53601	3.7123	ppm		96
88) Benzo[a]anthracene	13.949	228	28989	2.0970	ppm		96
90) Chrysene	14.023	228	32388	2.5110	ppm		96
94) Benzo[b]fluoranthene	16.342	252	18225	1.3192	ppm		96
95) Benzo[k]fluoranthene	16.342	252	17465	1.2996	ppm		97
96) Benzo[a]pyrene	16.940	252	30571	2.5649	ppm		93
97) Indeno[1,2,3-cd]pyrene	19.045	276	27972	2.1794	ppm		91
99) Dibenz[a,h]anthracene	19.077	278	9393	0.7557	ppm		93
101) Benzo[g,h,i]perylene	19.478	276	25066	1.9979	ppm		92

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\EP7624\
Data File : p163387.d
Acq On : 4 Dec 2024 10:32 pm
Operator : anthonyo
Sample : je1300-37 Inst : GCMSP
Misc : op59834,ep7624,30.3,,,1,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 05 08:39:21 2024
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Dec 05 08:23:07 2024
Response via : Initial Calibration

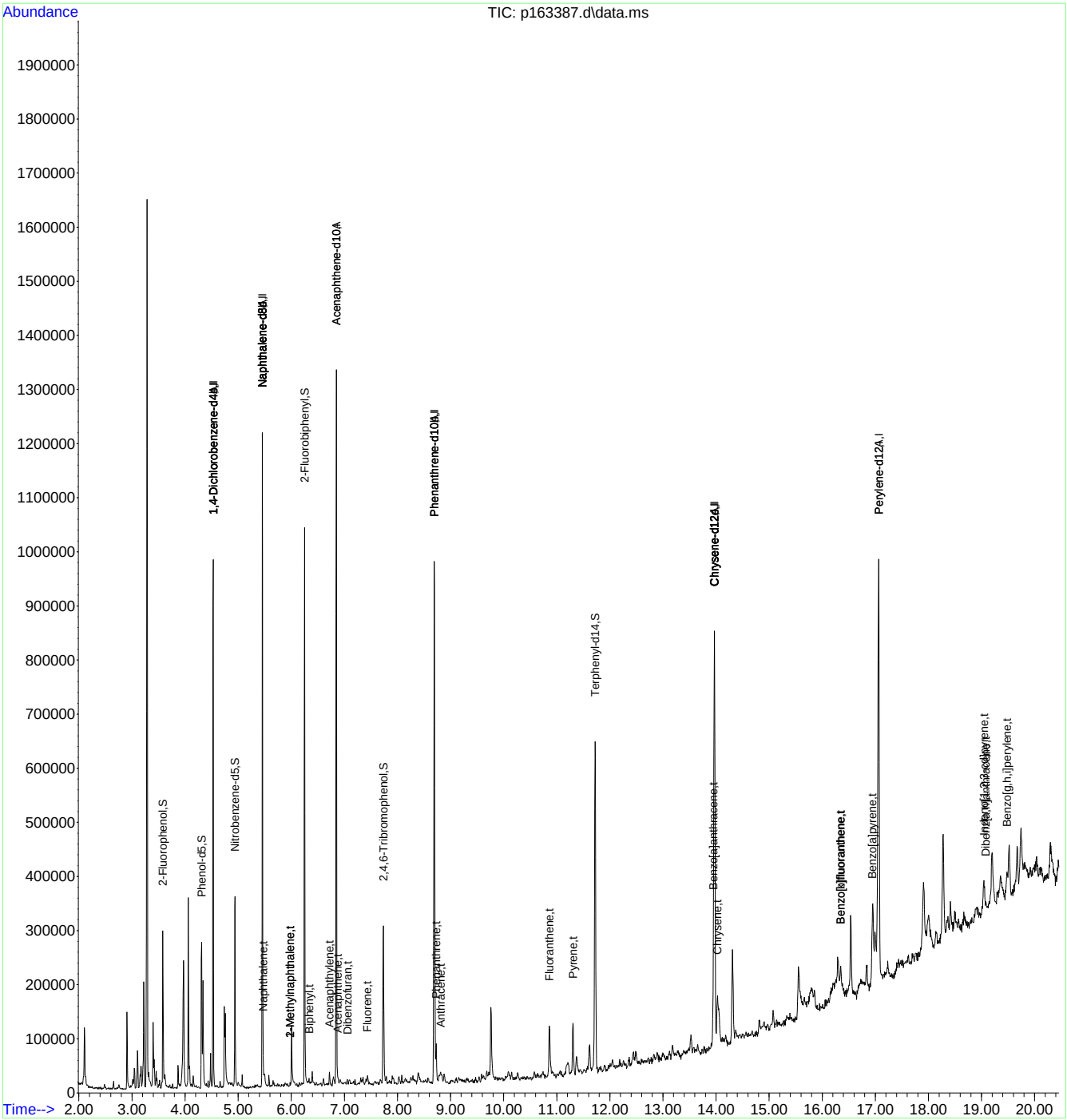
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

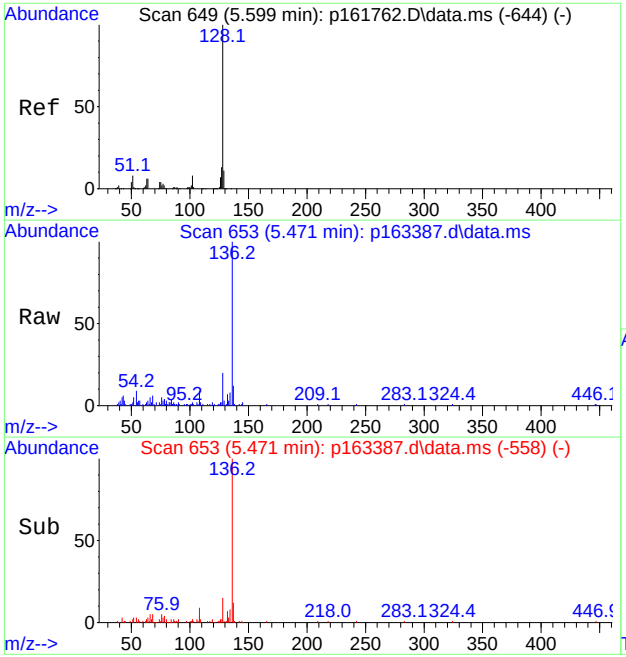
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\EP7624\
Data File : p163387.d
Acq On : 4 Dec 2024 10:32 pm
Operator : anthonyo
Sample : je1300-37 Inst : GCMSP
Misc : op59834,ep7624,30.3,,,1,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 05 08:39:21 2024
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Dec 05 08:23:07 2024
Response via : Initial Calibration

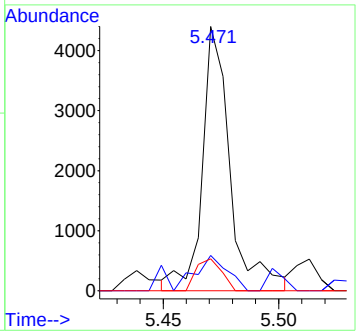


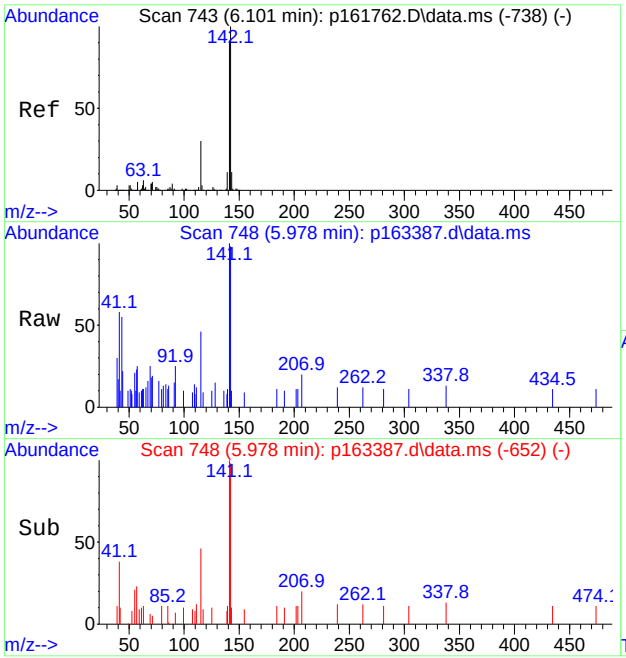


#38
Naphthalene
Concen: 0.3543 ppm
RT: 5.471 min Scan# 653
Delta R.T. 0.006 min
Lab File: p163387.d
Acq: 4 Dec 2024 10:32 pm

Tgt Ion:128 Resp: 3695

Ion	Ratio	Lower	Upper
128	100		
129	6.7	0.0	42.3
127	13.0	0.0	45.4

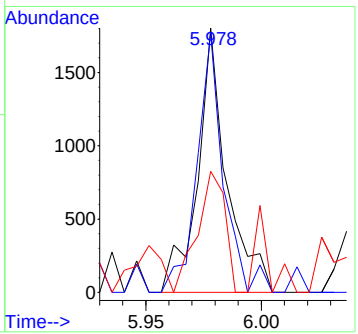


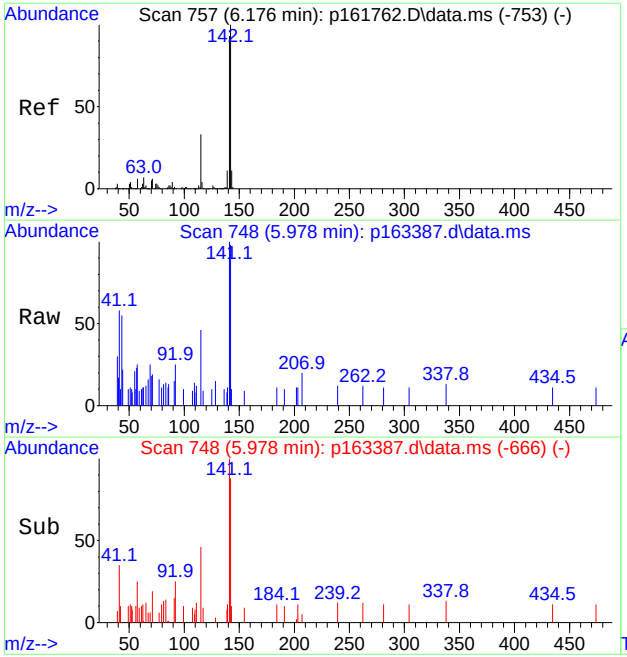


#44
2-Methylnaphthalene
Concen: 0.2436 ppm
RT: 5.978 min Scan# 748
Delta R.T. 0.011 min
Lab File: p163387.d
Acq: 4 Dec 2024 10:32 pm

Tgt Ion:141 Resp: 1594

Ion	Ratio	Lower	Upper
141	100		
142	98.2	78.1	138.1
115	34.2	9.4	69.4

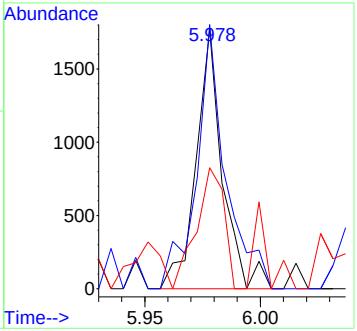


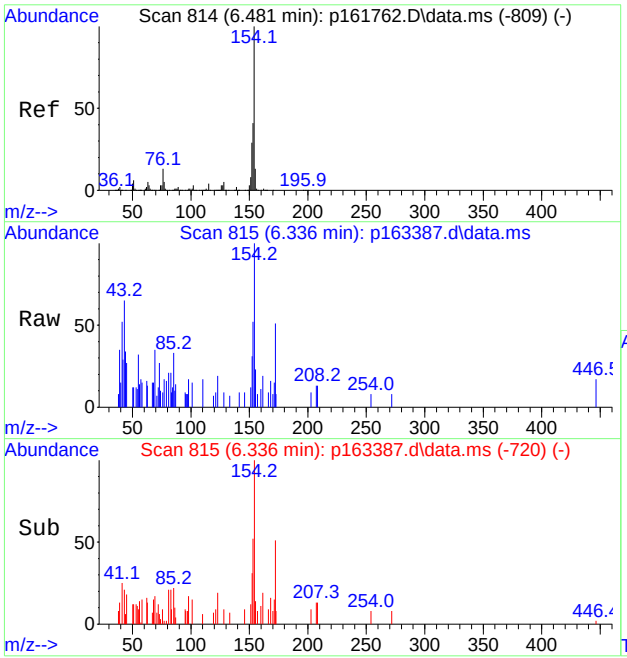


#45
1-Methylnaphthalene
Concen: 0.2113 ppm
RT: 5.978 min Scan# 748
Delta R.T. -0.064 min
Lab File: p163387.d
Acq: 4 Dec 2024 10:32 pm

Tgt Ion:142 Resp: 1404

Ion	Ratio	Lower	Upper
142	100		
141	101.9	62.7	122.7
115	34.8	6.9	66.9

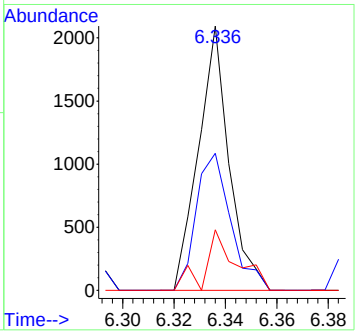


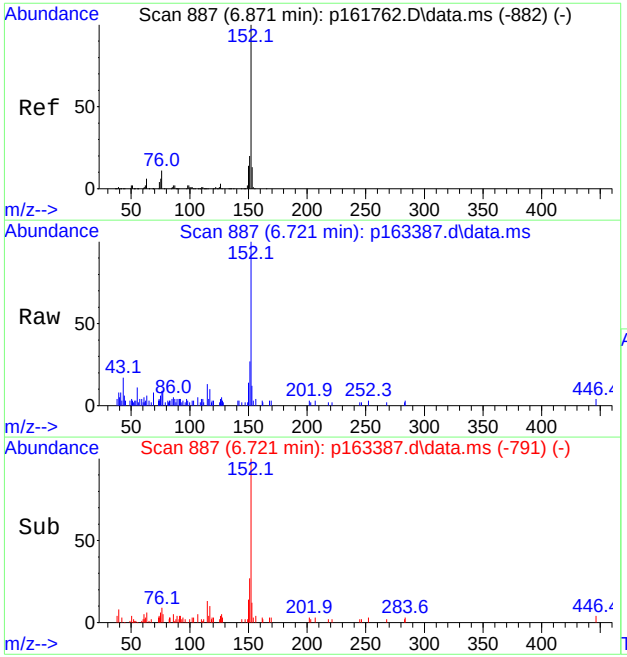


#53
Biphenyl
Concen: 0.1884 ppm
RT: 6.336 min Scan# 815
Delta R.T. 0.006 min
Lab File: p163387.d
Acq: 4 Dec 2024 10:32 pm

Tgt Ion:154 Resp: 1744

Ion	Ratio	Lower	Upper
154	100		
153	51.8	12.8	72.8
155	22.9	0.0	43.8

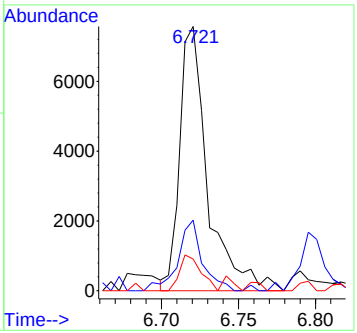


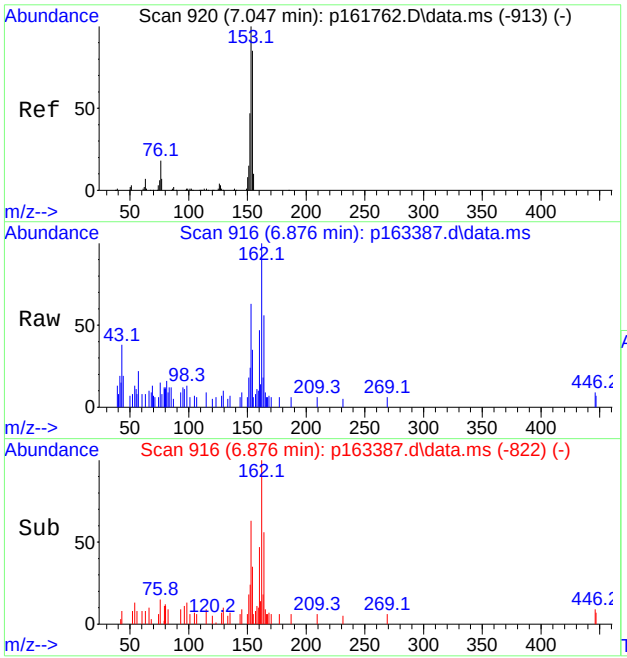


#56
Acenaphthylene
Concen: 0.9893 ppm
RT: 6.721 min Scan# 887
Delta R.T. 0.011 min
Lab File: p163387.d
Acq: 4 Dec 2024 10:32 pm

Tgt Ion:152 Resp: 9601

Ion	Ratio	Lower	Upper
152	100		
151	26.0	0.0	52.4
153	12.2	0.0	44.7

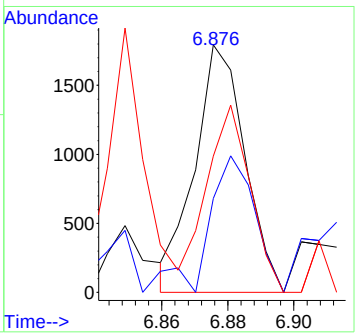


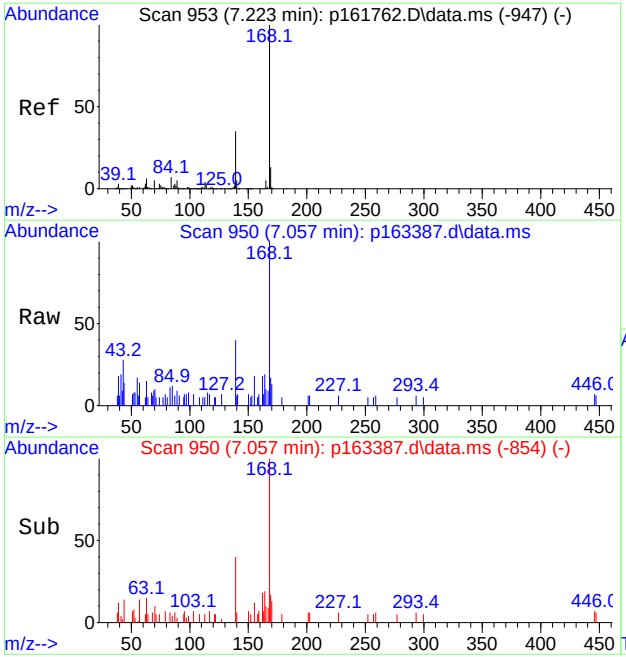


#59
Acenaphthene
Concen: 0.2490 ppm
RT: 6.876 min Scan# 916
Delta R.T. 0.000 min
Lab File: p163387.d
Acq: 4 Dec 2024 10:32 pm

Tgt Ion:153 Resp: 1895

Ion	Ratio	Lower	Upper
153	100		
152	35.9	19.1	79.1
154	48.4	55.0	115.0#

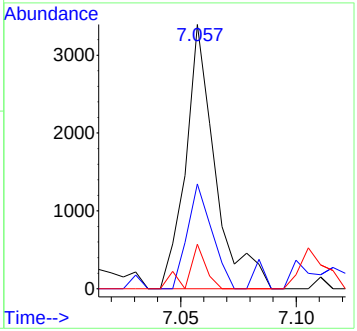


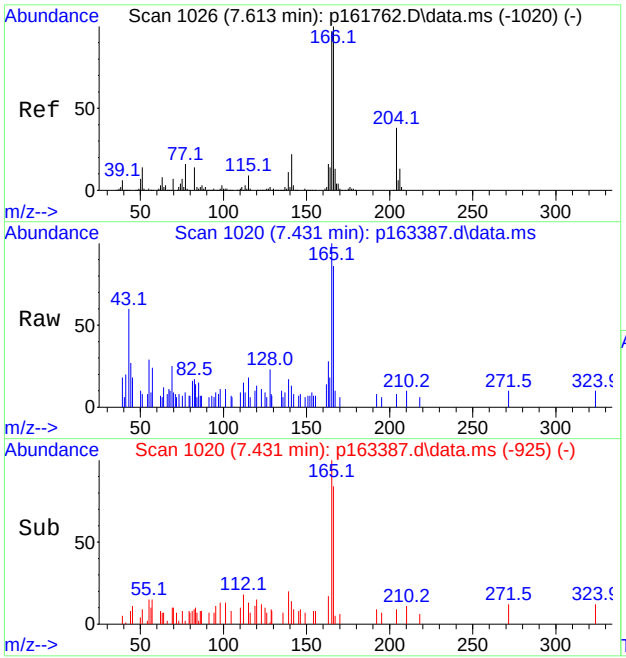


#62
Dibenzofuran
Concen: 0.2825 ppm
RT: 7.057 min Scan# 950
Delta R.T. 0.011 min
Lab File: p163387.d
Acq: 4 Dec 2024 10:32 pm

Tgt Ion:168 Resp: 3025

Ion	Ratio	Lower	Upper
168	100		
139	39.7	9.4	69.4
169	16.9	0.0	44.5

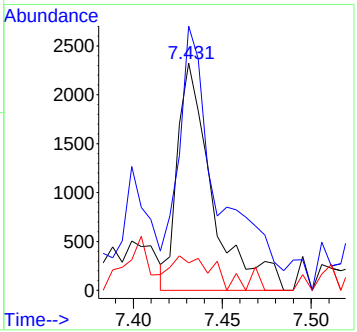


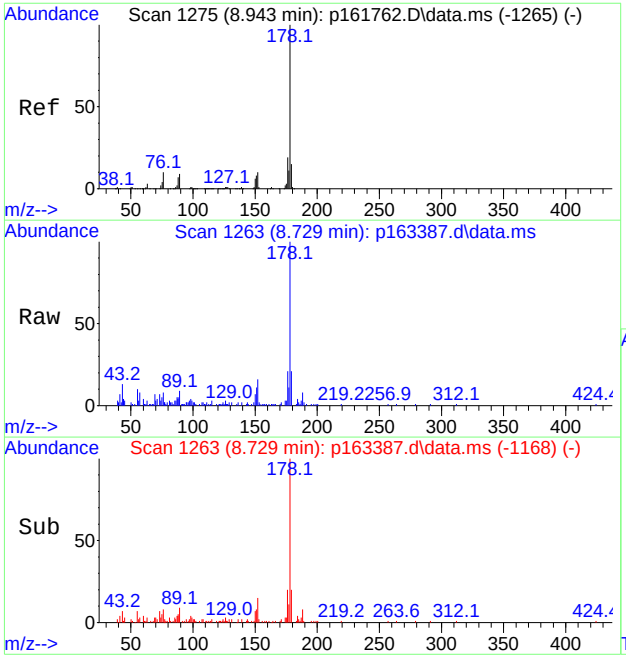


#66
Fluorene
Concen: 0.3859 ppm
RT: 7.431 min Scan# 1020
Delta R.T. 0.006 min
Lab File: p163387.d
Acq: 4 Dec 2024 10:32 pm

Tgt Ion:166 Resp: 3174

Ion	Ratio	Lower	Upper
166	100		
165	109.6	66.7	126.7
167	9.2	0.0	44.5

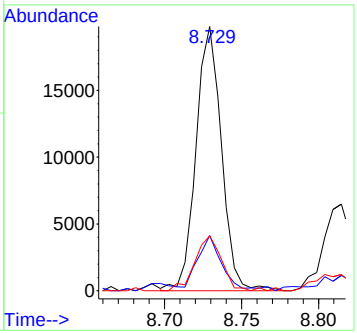


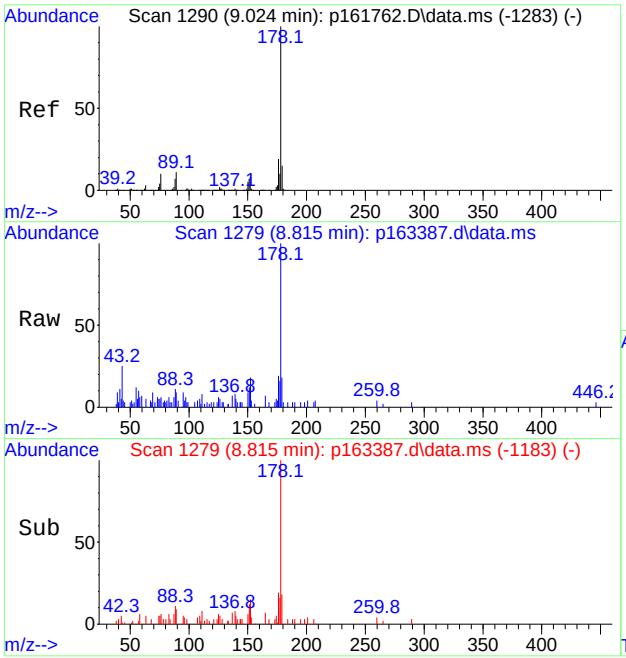


#77
Phenanthrene
Concen: 2.0114 ppm
RT: 8.729 min Scan# 1263
Delta R.T. 0.006 min
Lab File: p163387.d
Acq: 4 Dec 2024 10:32 pm

Tgt Ion:178 Resp: 22806

Ion	Ratio	Lower	Upper
178	100		
179	18.9	0.0	46.7
176	20.9	0.0	51.0

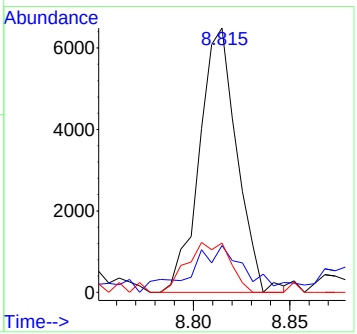


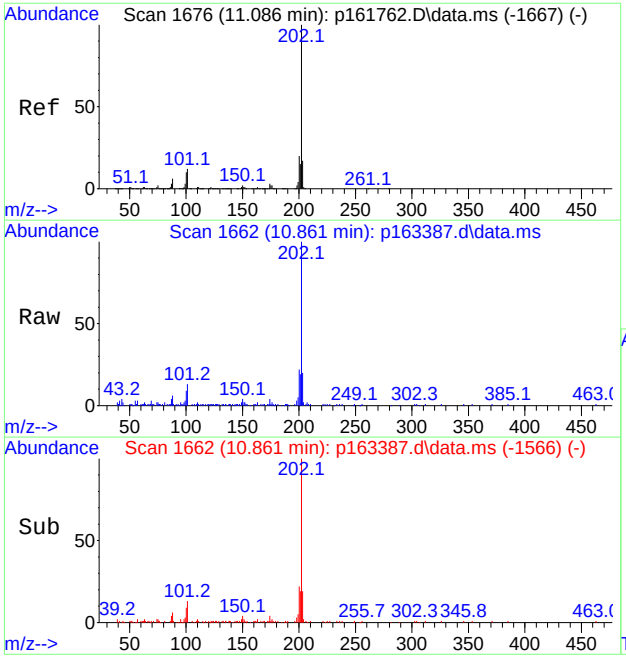


#78
Anthracene
Concen: 0.7937 ppm
RT: 8.815 min Scan# 1279
Delta R.T. 0.011 min
Lab File: p163387.d
Acq: 4 Dec 2024 10:32 pm

Tgt Ion:178 Resp: 8823

Ion	Ratio	Lower	Upper
178	100		
179	13.6	0.0	46.6
176	18.9	0.0	50.2

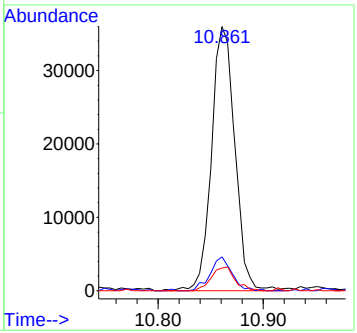


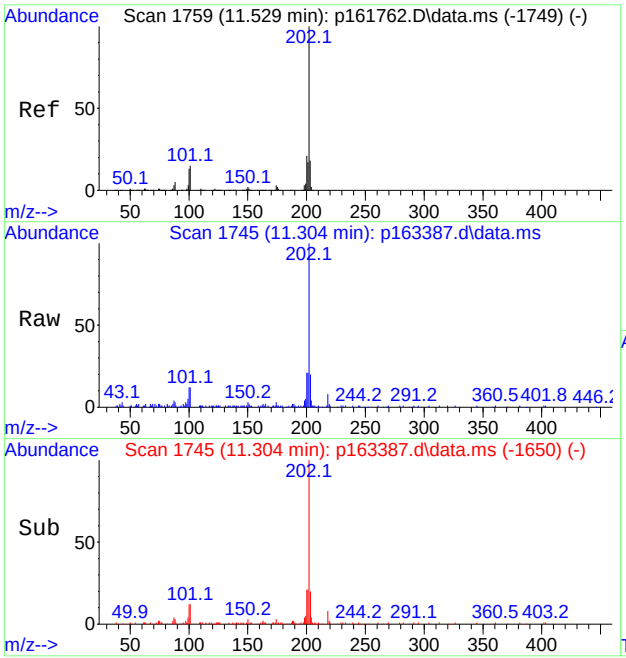


#81
Fluoranthene
Concen: 4.1550 ppm
RT: 10.861 min Scan# 1662
Delta R.T. 0.011 min
Lab File: p163387.d
Acq: 4 Dec 2024 10:32 pm

Tgt Ion:202 Resp: 55786

Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	40.8
100	8.7	0.0	38.6

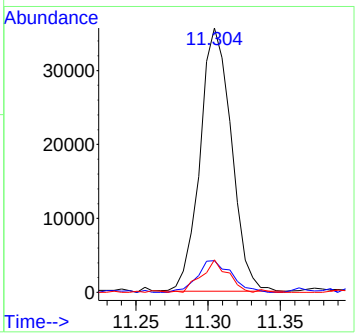


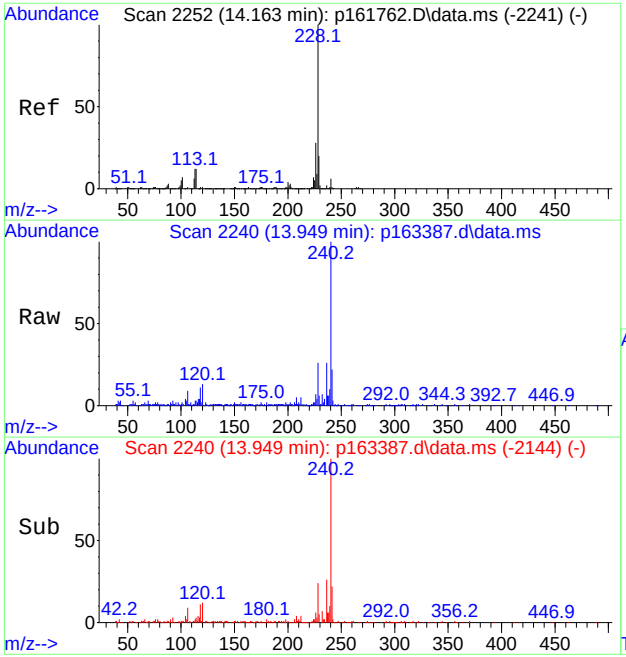


#85
Pyrene
Concen: 3.7123 ppm
RT: 11.304 min Scan# 1745
Delta R.T. 0.006 min
Lab File: p163387.d
Acq: 4 Dec 2024 10:32 pm

Tgt Ion:202 Resp: 53601

Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	42.2
100	12.2	0.0	39.3

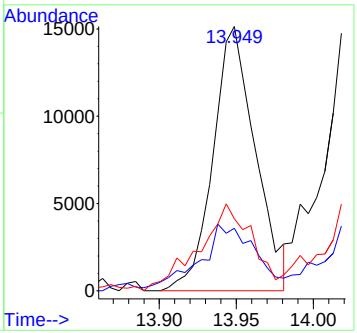


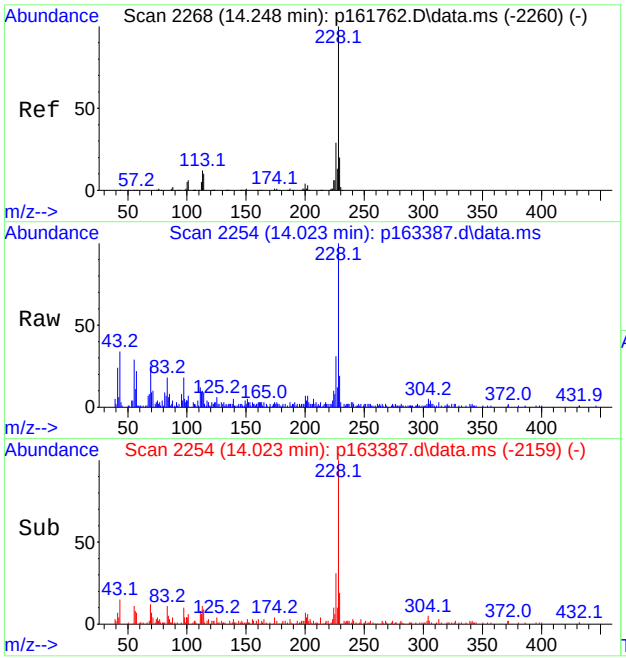


#88
Benzo[a]anthracene
Concen: 2.0970 ppm
RT: 13.949 min Scan# 2240
Delta R.T. 0.011 min
Lab File: p163387.d
Acq: 4 Dec 2024 10:32 pm

Tgt Ion:228 Resp: 28989

Ion	Ratio	Lower	Upper
228	100		
229	21.5	0.0	50.4
226	24.7	0.0	57.8

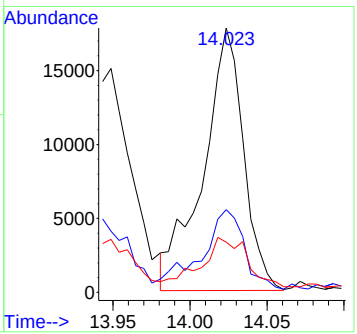


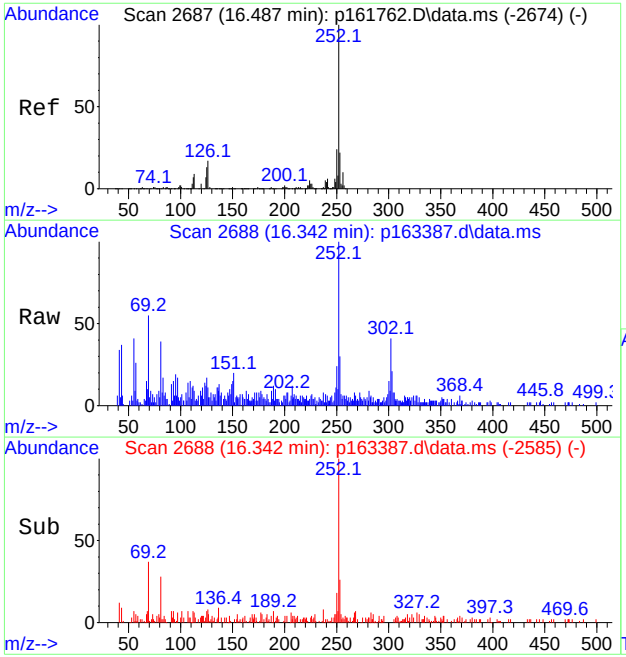


#90
Chrysene
Concen: 2.5110 ppm
RT: 14.023 min Scan# 2254
Delta R.T. 0.006 min
Lab File: p163387.d
Acq: 4 Dec 2024 10:32 pm

Tgt Ion:228 Resp: 32388

Ion	Ratio	Lower	Upper
228	100		
226	30.6	1.3	61.3
229	17.2	0.0	51.0

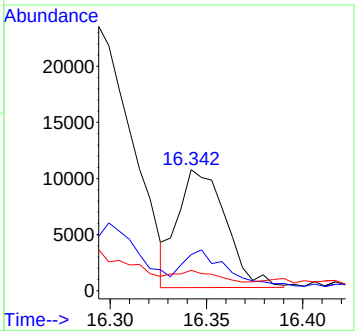


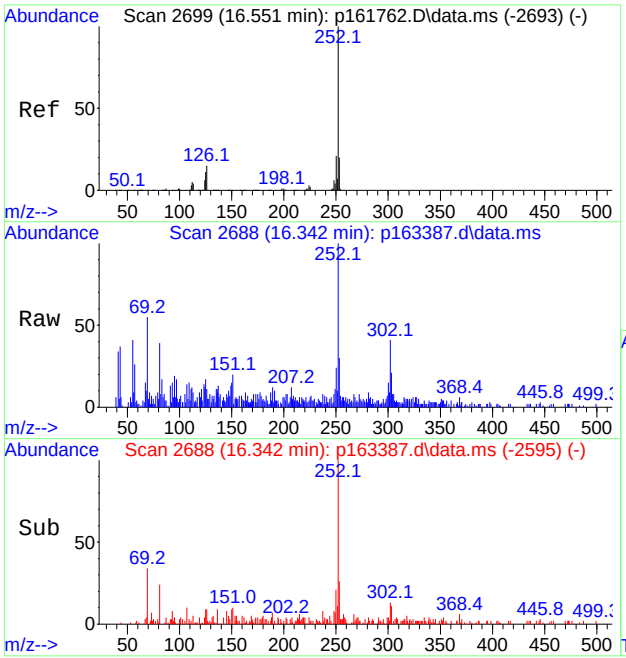


#94
Benzo[b]fluoranthene
Concen: 1.3192 ppm
RT: 16.342 min Scan# 2688
Delta R.T. 0.048 min
Lab File: p163387.d
Acq: 4 Dec 2024 10:32 pm

Tgt Ion:252 Resp: 18225

Ion	Ratio	Lower	Upper
252	100		
253	23.2	0.0	53.6
125	7.5	0.0	41.1

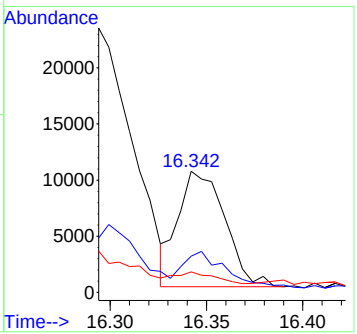


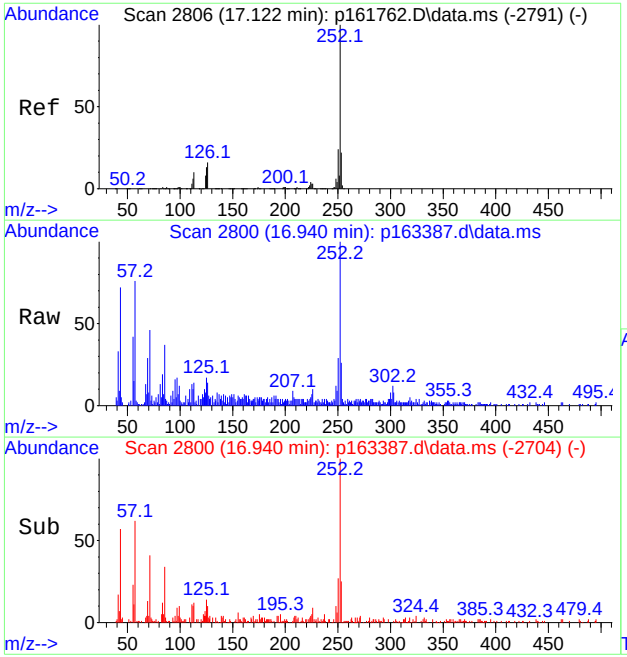


#95
Benzo[k]fluoranthene
Concen: 1.2996 ppm
RT: 16.342 min Scan# 2688
Delta R.T. -0.005 min
Lab File: p163387.d
Acq: 4 Dec 2024 10:32 pm

Tgt Ion:252 Resp: 17465

Ion	Ratio	Lower	Upper
252	100		
253	23.2	0.0	53.9
125	7.5	0.0	40.0

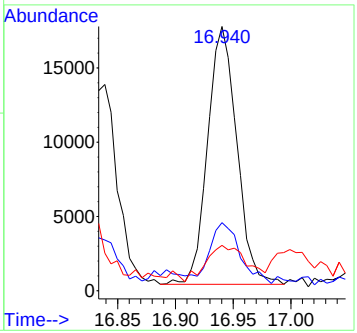


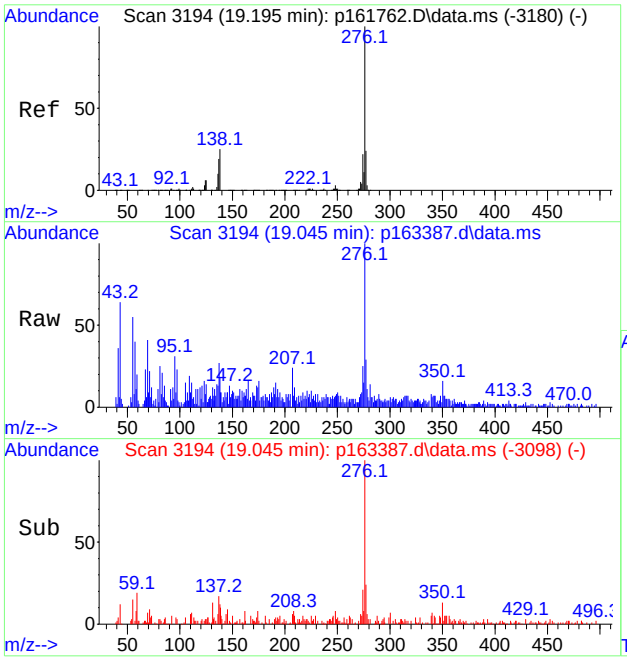


#96
Benzo[a]pyrene
Concen: 2.5649 ppm
RT: 16.940 min Scan# 2800
Delta R.T. 0.011 min
Lab File: p163387.d
Acq: 4 Dec 2024 10:32 pm

Tgt Ion:252 Resp: 30571

Ion	Ratio	Lower	Upper
252	100		
253	21.3	0.0	53.3
125	7.5	0.0	42.3

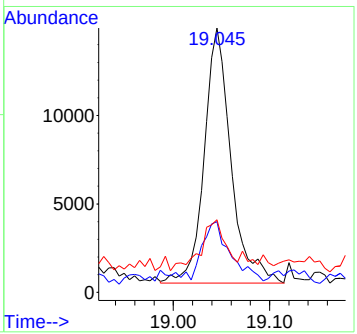


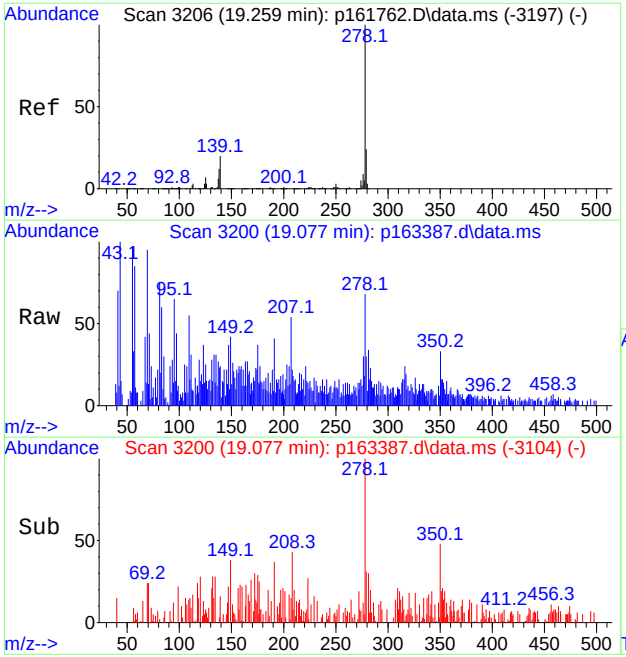


#97
Indeno[1,2,3-cd]pyrene
Concen: 2.1794 ppm
RT: 19.045 min Scan# 3194
Delta R.T. 0.011 min
Lab File: p163387.d
Acq: 4 Dec 2024 10:32 pm

Tgt Ion:276 Resp: 27972

Ion	Ratio	Lower	Upper
276	100		
138	20.1	0.0	44.6
137	17.4	0.0	45.0

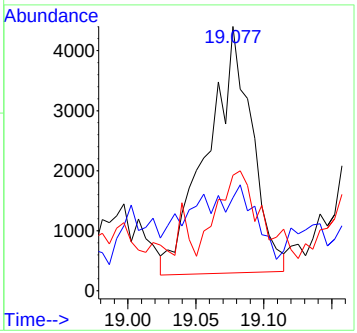


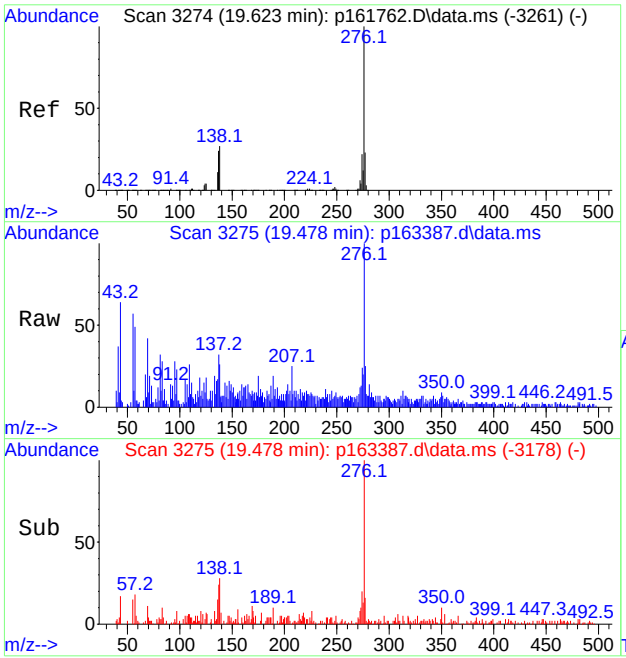


#99
Dibenz[a,h]anthracene
Concen: 0.7557 ppm
RT: 19.077 min Scan# 3200
Delta R.T. 0.011 min
Lab File: p163387.d
Acq: 4 Dec 2024 10:32 pm

Tgt Ion:278 Resp: 9393

Ion	Ratio	Lower	Upper
278	100		
139	20.5	0.0	46.6
279	22.3	0.0	54.9

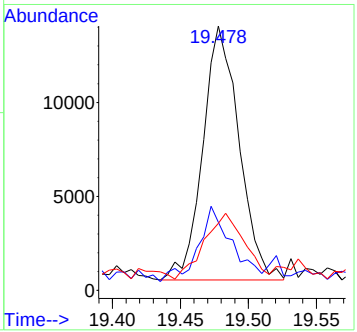




#101
Benzo[g,h,i]perylene
Concen: 1.9979 ppm
RT: 19.478 min Scan# 3275
Delta R.T. 0.016 min
Lab File: p163387.d
Acq: 4 Dec 2024 10:32 pm

Tgt Ion:276 Resp: 25066

Ion	Ratio	Lower	Upper
276	100		
138	22.3	0.0	52.1
277	18.2	0.0	55.6



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\EP7624\
Data File : p163388.d
Acq On : 4 Dec 2024 10:57 pm
Operator : anthonyo
Sample : je1300-39 Inst : GCMSP
Misc : op59834,ep7624,30.5,,,1,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 05 10:00:09 2024
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Dec 05 08:23:07 2024
Response via : Initial Calibration

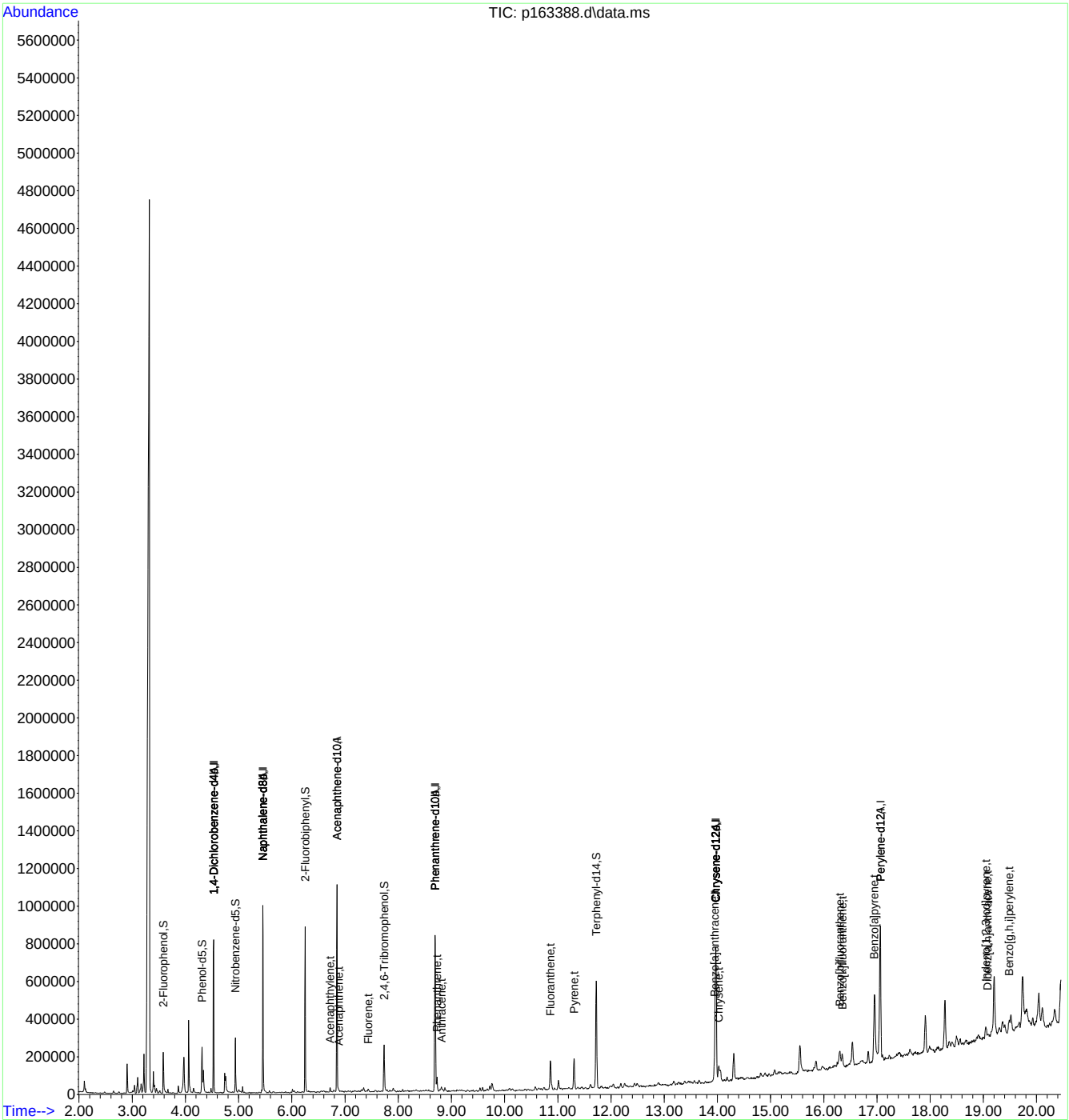
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.530	152	105263	40.00	ppm		0.01
24) Naphthalene-d8	5.455	136	364035	40.00	ppm		0.00
46) Acenaphthene-d10	6.849	164	204568	40.00	ppm		0.00
69) Phenanthrene-d10	8.692	188	376525	40.00	ppm		0.00
83) Chrysene-d12	13.970	240	407969	40.00	ppm		0.01
92) Perylene-d12	17.063	264	426096	40.00	ppm		0.03
102) 1,4-Dichlorobenzene-d4A	4.530	152	105263	40.00	ppm		0.01
112) Naphthalene-d8A	5.455	136	364035	40.00	ppm		0.00
121) Acenaphthene-d10A	6.849	164	204568	40.00	ppm		0.00
132) Phenanthrene-d10A	8.692	188	376525	40.00	ppm		0.00
147) Chrysene-d12A	13.970	240	407969	40.00	ppm		0.01
154) Perylene-d12A	17.063	264	426096	40.00	ppm		0.03
158) 1,4-Dichlorobenzene-d4b	4.530	152	105263	40.00	ppm		0.01
160) Phenanthrene-d10b	8.692	188	376525	40.00	ppm		0.00
162) Naphthalene-d8b	5.455	136	364035	40.00	ppm	#	0.00
164) Naphthalene-d8c	5.455	136	364035	40.00	ppm		0.00
168) 1,4-Dichlorobenzene-d4c	4.530	152	105263	40.00	ppm		0.01
170) Chrysene-d12c	13.970	240	407969	40.00	ppm		0.01
172) Chrysene-d12d	13.970	240	407969	40.00	ppm		0.01
174) Naphthalene-d8d	5.455	136	364035	40.00	ppm		0.00
176) Chrysene-d12e	13.970	240	407969	40.00	ppm		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	3.585	112	56470	17.98	ppm		0.03
Spiked Amount 50.000			Recovery = 35.96%				
8) Phenol-d5	4.311	99	74946	19.87	ppm		0.02
Spiked Amount 50.000			Recovery = 39.74%				
25) Nitrobenzene-d5	4.942	82	73881	27.00	ppm		0.00
Spiked Amount 50.000			Recovery = 54.00%				
51) 2-Fluorobiphenyl	6.251	172	197395	27.92	ppm		0.00
Spiked Amount 50.000			Recovery = 55.84%				
73) 2,4,6-Tribromophenol	7.736	330	34387	38.13	ppm		0.01
Spiked Amount 50.000			Recovery = 76.26%				
86) Terphenyl-d14	11.721	244	269303	27.52	ppm		0.01
Spiked Amount 50.000			Recovery = 55.04%				
Target Compounds							Qvalue
56) Acenaphthylene	6.721	152	10687	1.3162	ppm		94
59) Acenaphthene	6.886	153	2436	0.3826	ppm	#	62
66) Fluorene	7.436	166	3502	0.5088	ppm		92
77) Phenanthrene	8.729	178	32731	3.4347	ppm		95
78) Anthracene	8.815	178	11848	1.2682	ppm		96
81) Fluoranthene	10.861	202	89248	7.9089	ppm		93
85) Pyrene	11.304	202	88733	6.4132	ppm		98
88) Benzo[a]anthracene	13.949	228	49877	3.7651	ppm		94
90) Chrysene	14.023	228	49573	4.0107	ppm		95
94) Benzo[b]fluoranthene	16.299	252	71601	5.6961	ppm		99
95) Benzo[k]fluoranthene	16.347	252	24790	2.0273	ppm		97
96) Benzo[a]pyrene	16.946	252	50662	4.6715	ppm		98
97) Indeno[1,2,3-cd]pyrene	19.045	276	40129	3.4362	ppm		96
99) Dibenz[a,h]anthracene	19.077	278	13394	1.1843	ppm		90
101) Benzo[g,h,i]perylene	19.483	276	37803	3.3115	ppm		99

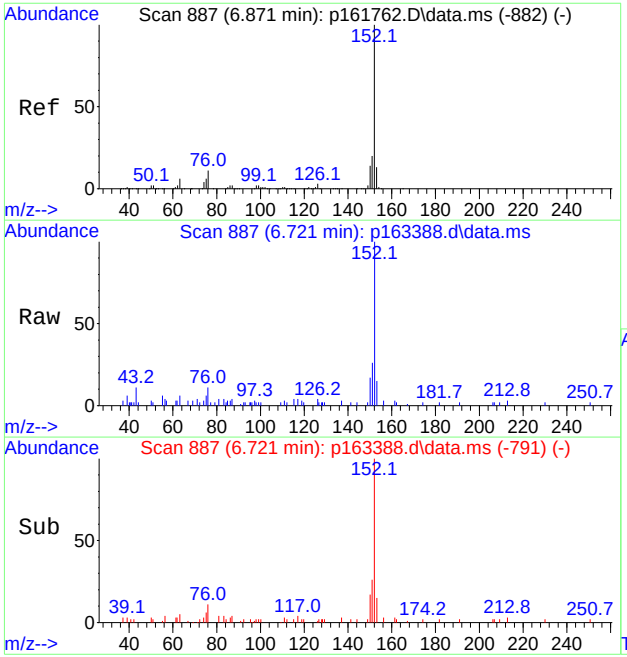
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\EP7624\
Data File : p163388.d
Acq On : 4 Dec 2024 10:57 pm
Operator : anthonyo
Sample : je1300-39 Inst : GCMSP
Misc : op59834,ep7624,30.5,,,1,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 05 10:00:09 2024
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Dec 05 08:23:07 2024
Response via : Initial Calibration

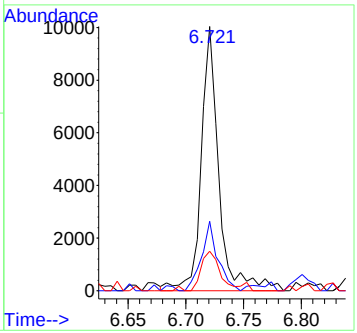


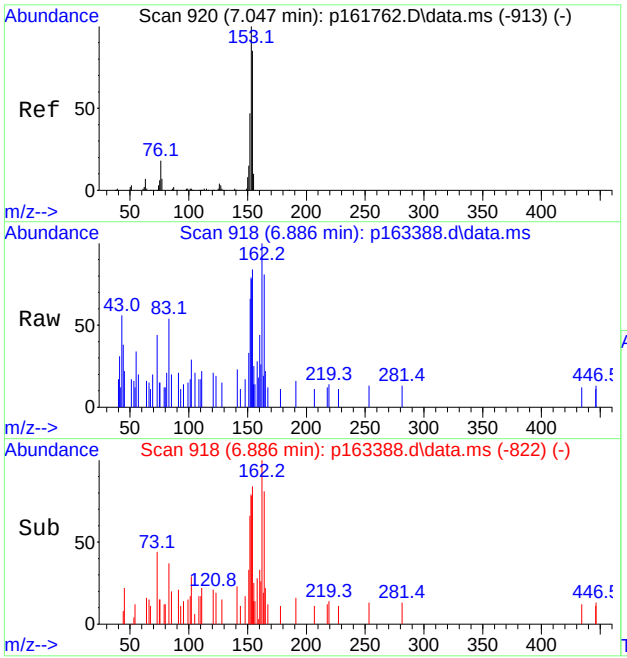


#56
Acenaphthylene
Concen: 1.3162 ppm
RT: 6.721 min Scan# 887
Delta R.T. 0.011 min
Lab File: p163388.d
Acq: 4 Dec 2024 10:57 pm

Tgt Ion:152 Resp: 10687

Ion	Ratio	Lower	Upper
152	100		
151	26.5	0.0	52.4
153	15.1	0.0	44.7

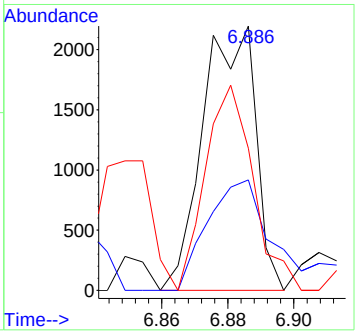


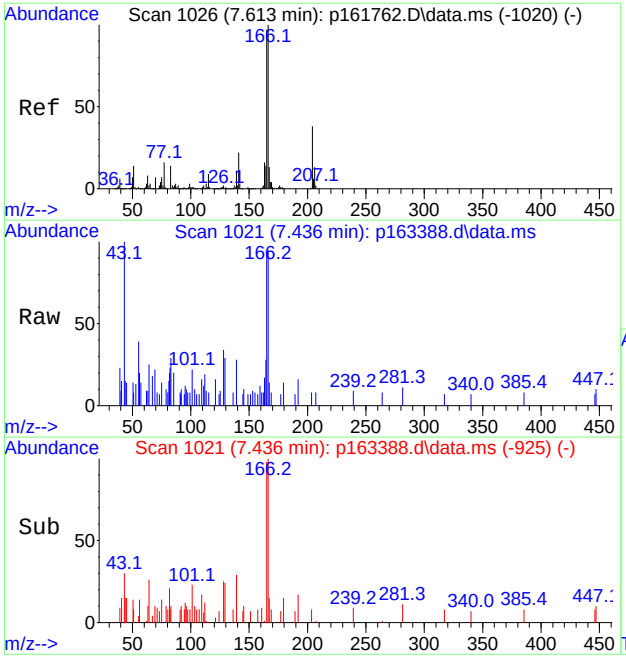


#59
Acenaphthene
Concen: 0.3826 ppm
RT: 6.886 min Scan# 918
Delta R.T. 0.011 min
Lab File: p163388.d
Acq: 4 Dec 2024 10:57 pm

Tgt Ion:153 Resp: 2436

Ion	Ratio	Lower	Upper
153	100		
152	34.0	19.1	79.1
154	42.3	55.0	115.0#

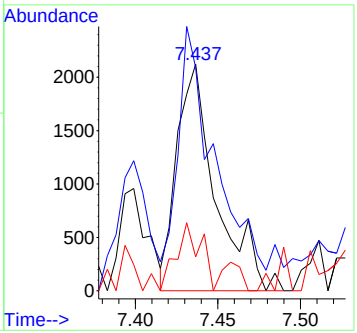


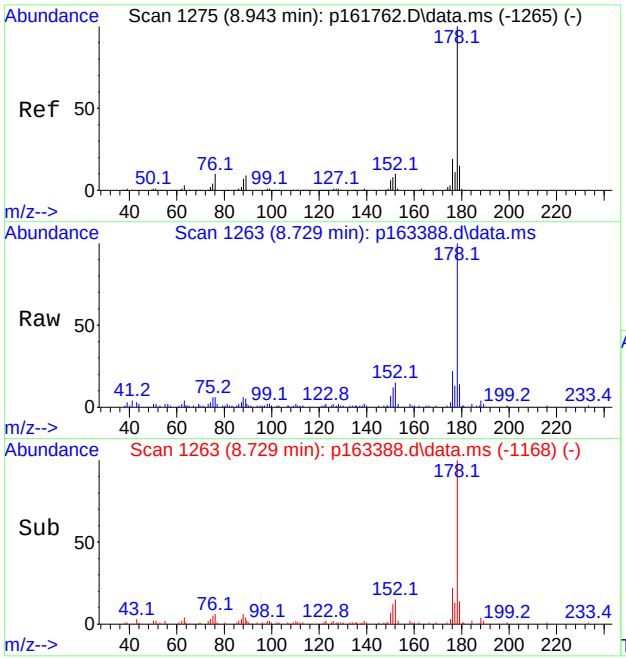


#66
Fluorene
Concen: 0.5088 ppm
RT: 7.436 min Scan# 1021
Delta R.T. 0.011 min
Lab File: p163388.d
Acq: 4 Dec 2024 10:57 pm

Tgt Ion:166 Resp: 3502

Ion	Ratio	Lower	Upper
166	100		
165	91.3	66.7	126.7
167	5.6	0.0	44.5

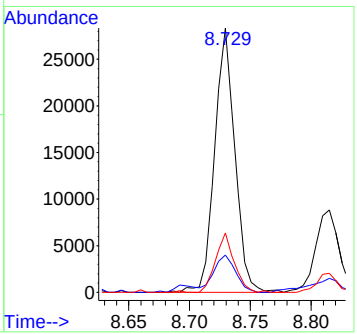


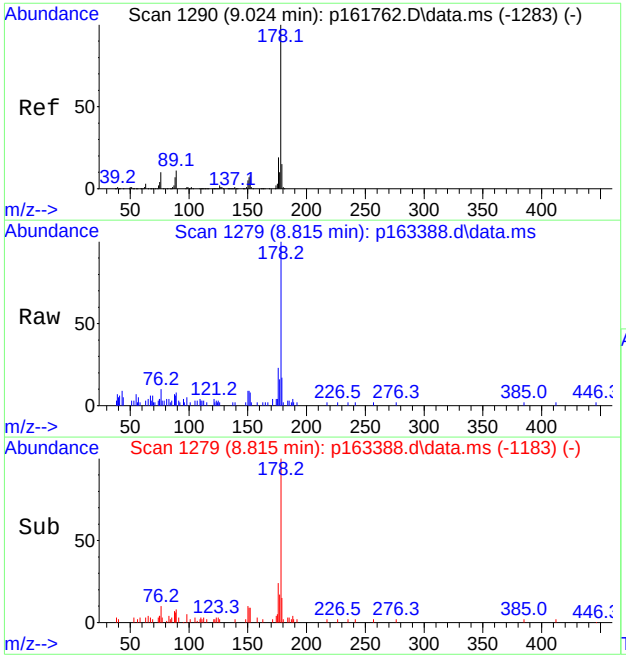


#77
Phenanthrene
Concen: 3.4347 ppm
RT: 8.729 min Scan# 1263
Delta R.T. 0.006 min
Lab File: p163388.d
Acq: 4 Dec 2024 10:57 pm

Tgt Ion:178 Resp: 32731

Ion	Ratio	Lower	Upper
178	100		
179	13.4	0.0	46.7
176	22.5	0.0	51.0

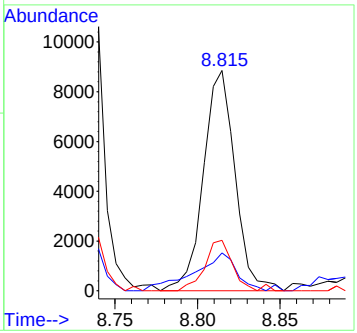


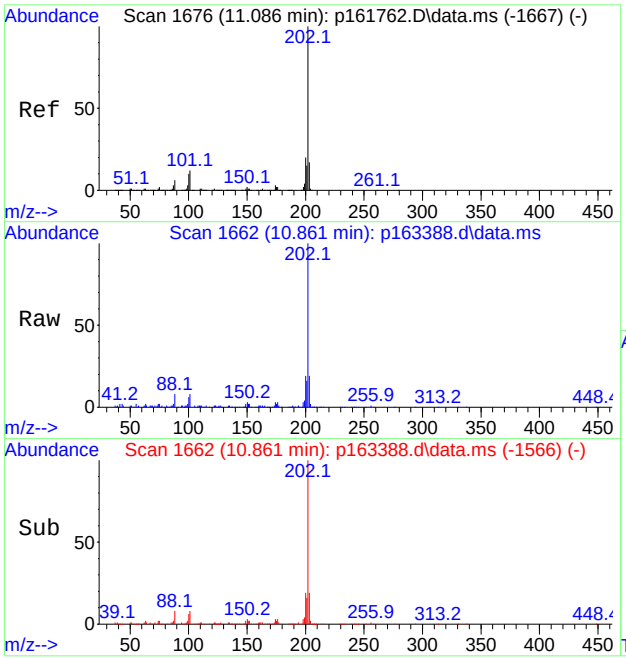


#78
Anthracene
Concen: 1.2682 ppm
RT: 8.815 min Scan# 1279
Delta R.T. 0.011 min
Lab File: p163388.d
Acq: 4 Dec 2024 10:57 pm

Tgt Ion:178 Resp: 11848

Ion	Ratio	Lower	Upper
178	100		
179	15.5	0.0	46.6
176	23.0	0.0	50.2

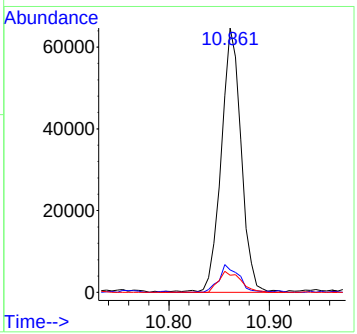


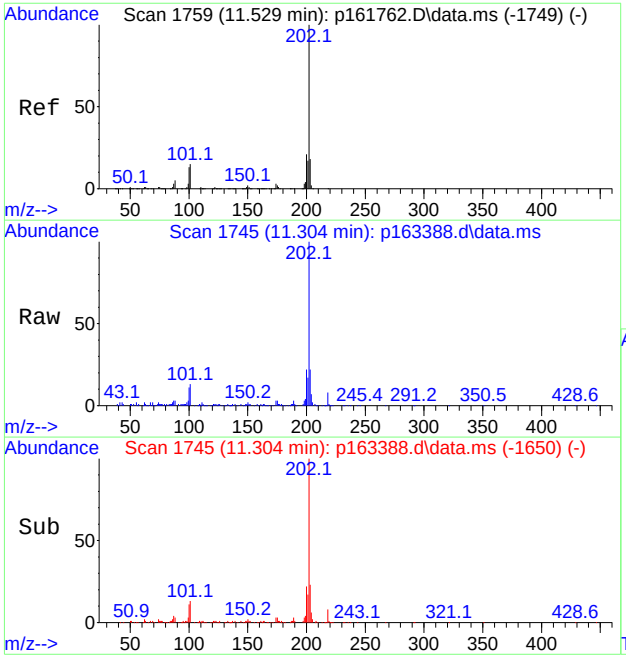


#81
Fluoranthene
Concen: 7.9089 ppm
RT: 10.861 min Scan# 1662
Delta R.T. 0.011 min
Lab File: p163388.d
Acq: 4 Dec 2024 10:57 pm

Tgt Ion:202 Resp: 89248

Ion	Ratio	Lower	Upper
202	100		
101	8.2	0.0	40.8
100	6.4	0.0	38.6

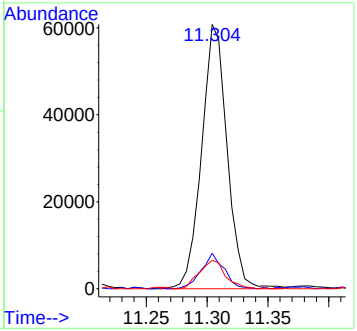


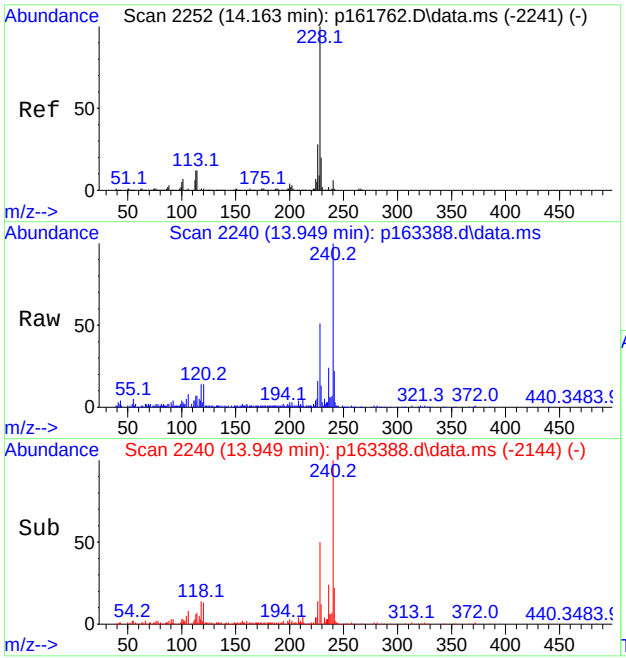


#85
Pyrene
Concen: 6.4132 ppm
RT: 11.304 min Scan# 1745
Delta R.T. 0.006 min
Lab File: p163388.d
Acq: 4 Dec 2024 10:57 pm

Tgt Ion:202 Resp: 88733

Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	42.2
100	10.4	0.0	39.3

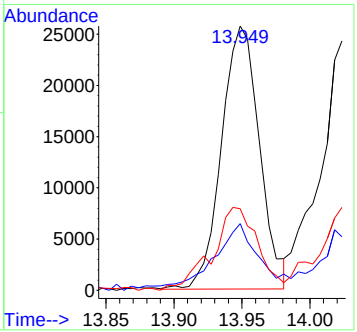


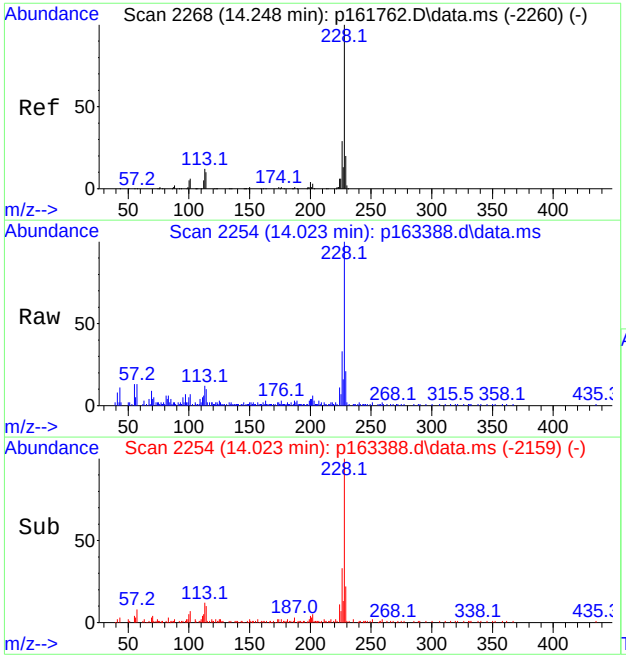


#88
Benzo[a]anthracene
Concen: 3.7651 ppm
RT: 13.949 min Scan# 2240
Delta R.T. 0.011 min
Lab File: p163388.d
Acq: 4 Dec 2024 10:57 pm

Tgt Ion:228 Resp: 49877

Ion	Ratio	Lower	Upper
228	100		
229	22.8	0.0	50.4
226	31.5	0.0	57.8

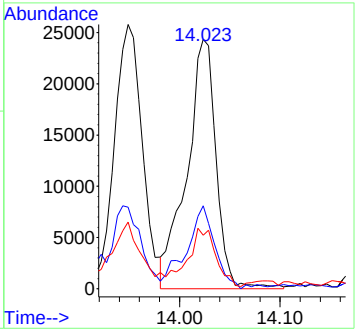


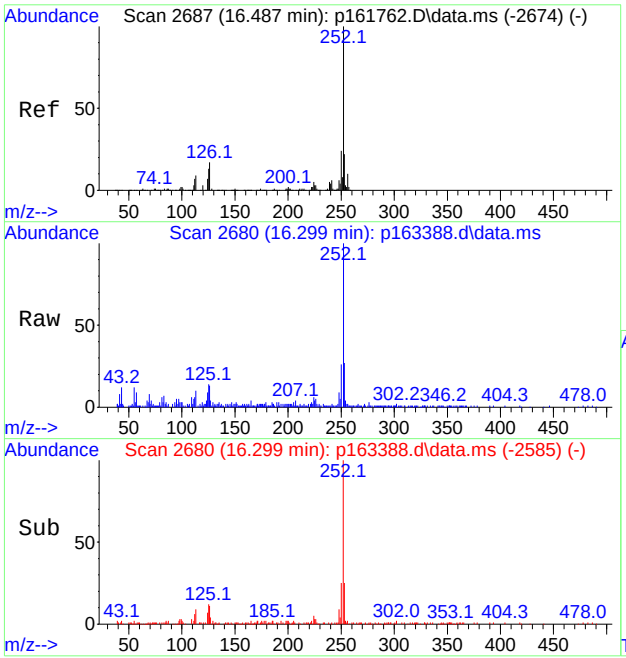


#90
Chrysene
Concen: 4.0107 ppm
RT: 14.023 min Scan# 2254
Delta R.T. 0.006 min
Lab File: p163388.d
Acq: 4 Dec 2024 10:57 pm

Tgt Ion:228 Resp: 49573

Ion	Ratio	Lower	Upper
228	100		
226	33.1	1.3	61.3
229	18.0	0.0	51.0

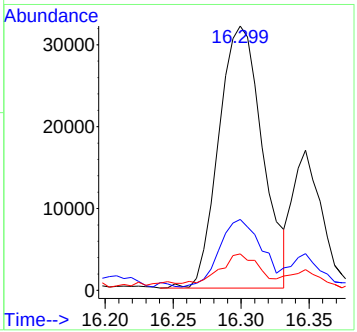


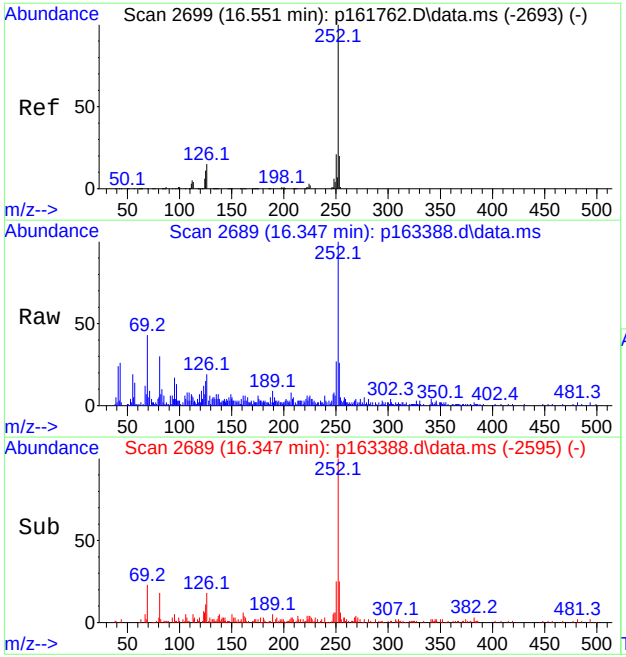


#94
Benzo[b]fluoranthene
Concen: 5.6961 ppm
RT: 16.299 min Scan# 2680
Delta R.T. 0.006 min
Lab File: p163388.d
Acq: 4 Dec 2024 10:57 pm

Tgt Ion:252 Resp: 71601

Ion	Ratio	Lower	Upper
252	100		
253	24.0	0.0	53.6
125	11.0	0.0	41.1

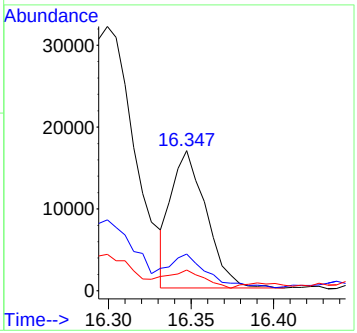


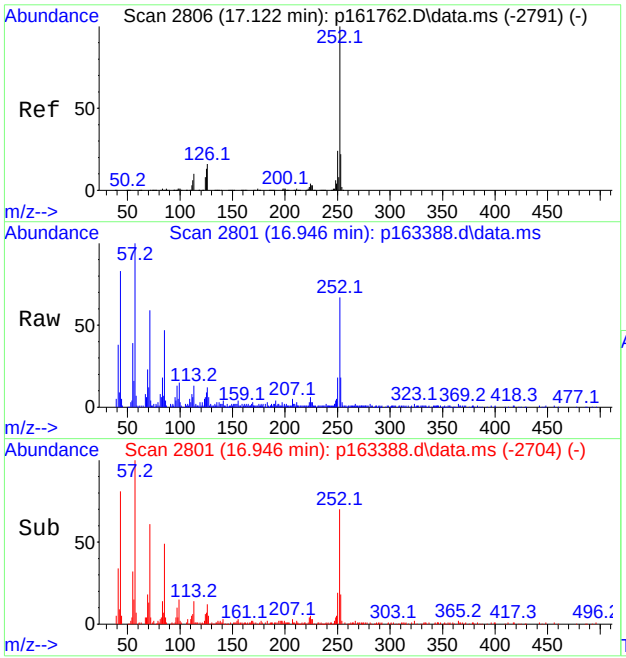


#95
Benzo[k]fluoranthene
Concen: 2.0273 ppm
RT: 16.347 min Scan# 2689
Delta R.T. 0.000 min
Lab File: p163388.d
Acq: 4 Dec 2024 10:57 pm

Tgt Ion:252 Resp: 24790

Ion	Ratio	Lower	Upper
252	100		
253	21.7	0.0	53.9
125	9.9	0.0	40.0

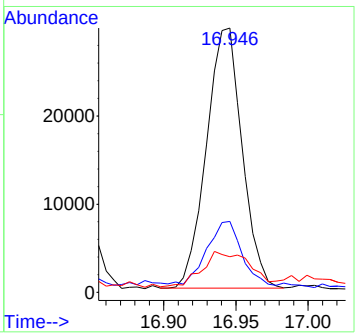


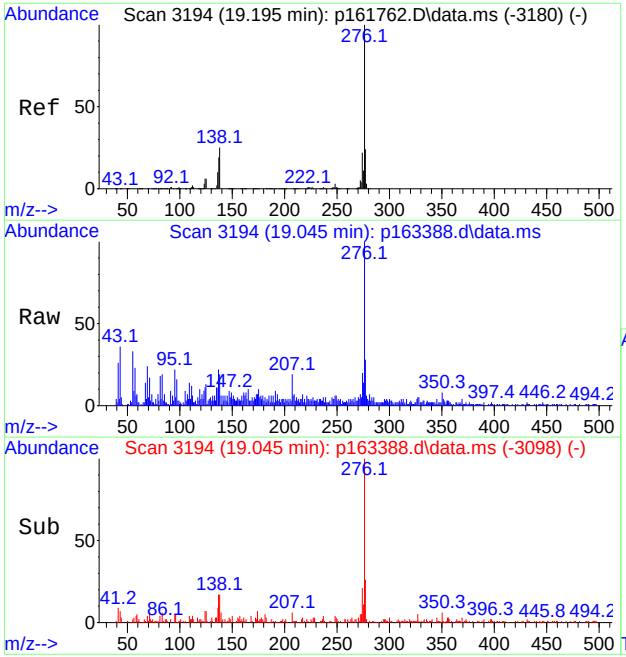


#96
Benzo[a]pyrene
Concen: 4.6715 ppm
RT: 16.946 min Scan# 2801
Delta R.T. 0.016 min
Lab File: p163388.d
Acq: 4 Dec 2024 10:57 pm

Tgt Ion:252 Resp: 50662

Ion	Ratio	Lower	Upper
252	100		
253	23.7	0.0	53.3
125	10.3	0.0	42.3

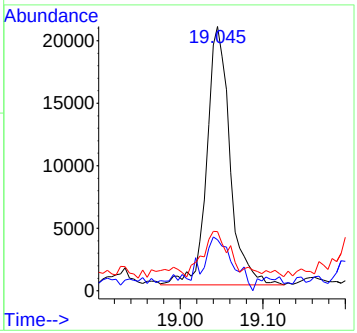


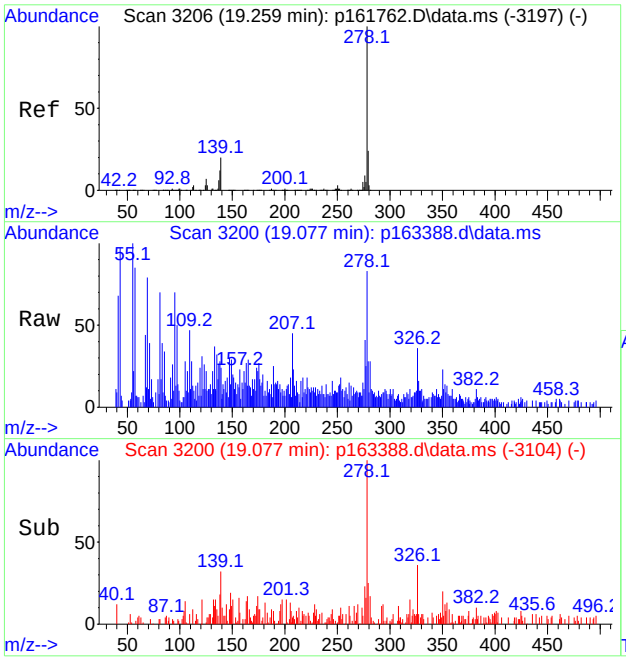


#97
Indeno[1,2,3-cd]pyrene
Concen: 3.4362 ppm
RT: 19.045 min Scan# 3194
Delta R.T. 0.011 min
Lab File: p163388.d
Acq: 4 Dec 2024 10:57 pm

Tgt Ion:276 Resp: 40129

Ion	Ratio	Lower	Upper
276	100		
138	16.4	0.0	44.6
137	16.2	0.0	45.0

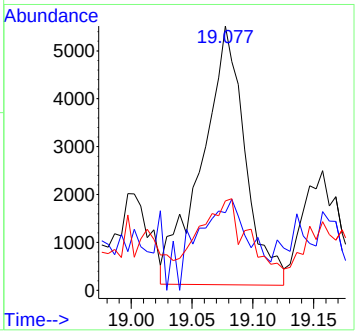


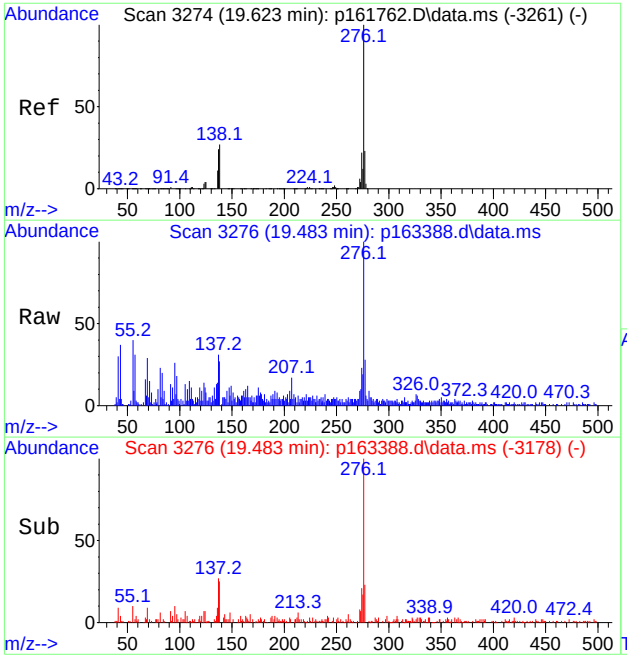


#99
Dibenz[a,h]anthracene
Concen: 1.1843 ppm
RT: 19.077 min Scan# 3200
Delta R.T. 0.011 min
Lab File: p163388.d
Acq: 4 Dec 2024 10:57 pm

Tgt Ion:278 Resp: 13394

Ion	Ratio	Lower	Upper
278	100		
139	6.9	0.0	46.6
279	25.3	0.0	54.9

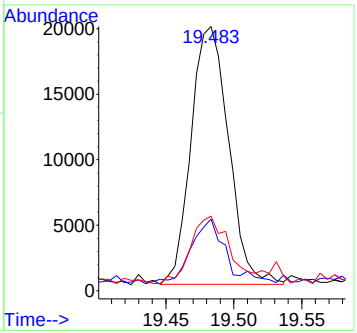




#101
Benzo[g,h,i]perylene
Concen: 3.3115 ppm
RT: 19.483 min Scan# 3276
Delta R.T. 0.022 min
Lab File: p163388.d
Acq: 4 Dec 2024 10:57 pm

Tgt Ion:276 Resp: 37803

Ion	Ratio	Lower	Upper
276	100		
138	22.7	0.0	52.1
277	24.8	0.0	55.6



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\EP7624\
Data File : p163389.d
Acq On : 4 Dec 2024 11:22 pm
Operator : anthonyo
Sample : je1300-41 Inst : GCMSP
Misc : op59834,ep7624,30.2,,,1,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 05 09:10:09 2024
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Dec 05 08:23:07 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.530	152	99468	40.00	ppm	-0.02
24) Naphthalene-d8	5.454	136	345026	40.00	ppm	-0.01
46) Acenaphthene-d10	6.849	164	191832	40.00	ppm	0.00
69) Phenanthrene-d10	8.697	188	350586	40.00	ppm	0.00
83) Chrysene-d12	13.970	240	374750	40.00	ppm	0.03
92) Perylene-d12	17.063	264	391612	40.00	ppm	0.06
102) 1,4-Dichlorobenzene-d4A	4.530	152	99468	40.00	ppm	-0.02
112) Naphthalene-d8A	5.454	136	345026	40.00	ppm	-0.01
121) Acenaphthene-d10A	6.849	164	191832	40.00	ppm	0.00
132) Phenanthrene-d10A	8.697	188	350586	40.00	ppm	0.00
147) Chrysene-d12A	13.970	240	374750	40.00	ppm	0.03
154) Perylene-d12A	17.063	264	391612	40.00	ppm	0.06
158) 1,4-Dichlorobenzene-d4b	4.530	152	99468	40.00	ppm	-0.02
160) Phenanthrene-d10b	8.697	188	350586	40.00	ppm	0.00
162) Naphthalene-d8b	5.454	136	345026	40.00	ppm	#-0.01
164) Naphthalene-d8c	5.454	136	345026	40.00	ppm	-0.01
168) 1,4-Dichlorobenzene-d4c	4.530	152	99468	40.00	ppm	-0.02
170) Chrysene-d12c	13.970	240	374750	40.00	ppm	0.03
172) Chrysene-d12d	13.970	240	374750	40.00	ppm	0.03
174) Naphthalene-d8d	5.454	136	345026	40.00	ppm	-0.01
176) Chrysene-d12e	13.970	240	374750	40.00	ppm	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.584	112	58387	19.67	ppm	-0.05
Spiked Amount 50.000			Recovery =	39.34%		
8) Phenol-d5	4.311	99	72644	20.39	ppm	-0.02
Spiked Amount 50.000			Recovery =	40.78%		
25) Nitrobenzene-d5	4.941	82	75658	29.17	ppm	-0.01
Spiked Amount 50.000			Recovery =	58.34%		
51) 2-Fluorobiphenyl	6.250	172	192019	28.96	ppm	0.00
Spiked Amount 50.000			Recovery =	57.92%		
73) 2,4,6-Tribromophenol	7.735	330	32347	38.52	ppm	0.00
Spiked Amount 50.000			Recovery =	77.04%		
86) Terphenyl-d14	11.721	244	241353	26.85	ppm	0.00
Spiked Amount 50.000			Recovery =	53.70%		
Target Compounds						Qvalue
38) Naphthalene	5.470	128	2765	0.3270	ppm	71
44) 2-Methylnaphthalene	5.978	141	1740	0.3279	ppm #	67
45) 1-Methylnaphthalene	6.053	142	1010	0.1875	ppm	73
56) Acenaphthylene	6.720	152	15223	1.9994	ppm	88
59) Acenaphthene	6.881	153	2372	0.3972	ppm	65
62) Dibenzofuran	7.062	168	1696	0.2019	ppm	64
66) Fluorene	7.431	166	4316	0.6688	ppm	77
77) Phenanthrene	8.729	178	30574	3.4457	ppm	96
78) Anthracene	8.809	178	16804	1.9317	ppm	89
79) Carbazole	9.103	167	3575	0.4338	ppm	77
81) Fluoranthene	10.861	202	87886	8.3644	ppm	98
85) Pyrene	11.304	202	91251	7.1798	ppm	99
88) Benzo[a]anthracene	13.948	228	52112	4.2825	ppm	97
90) Chrysene	14.023	228	52562	4.6294	ppm	95
94) Benzo[b]fluoranthene	16.299	252	70280	6.0833	ppm	99
95) Benzo[k]fluoranthene	16.347	252	24361	2.1676	ppm	90
96) Benzo[a]pyrene	16.940	252	54260	5.4439	ppm	93
97) Indeno[1,2,3-cd]pyrene	19.050	276	38027	3.5430	ppm	93
99) Dibenz[a,h]anthracene	19.082	278	12087	1.1628	ppm	92
101) Benzo[g,h,i]perylene	19.483	276	37331	3.5581	ppm	95

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\EP7624\
Data File : p163389.d
Acq On : 4 Dec 2024 11:22 pm
Operator : anthonyo
Sample : je1300-41 Inst : GCMSP
Misc : op59834,ep7624,30.2,,,1,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 05 09:10:09 2024
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Dec 05 08:23:07 2024
Response via : Initial Calibration

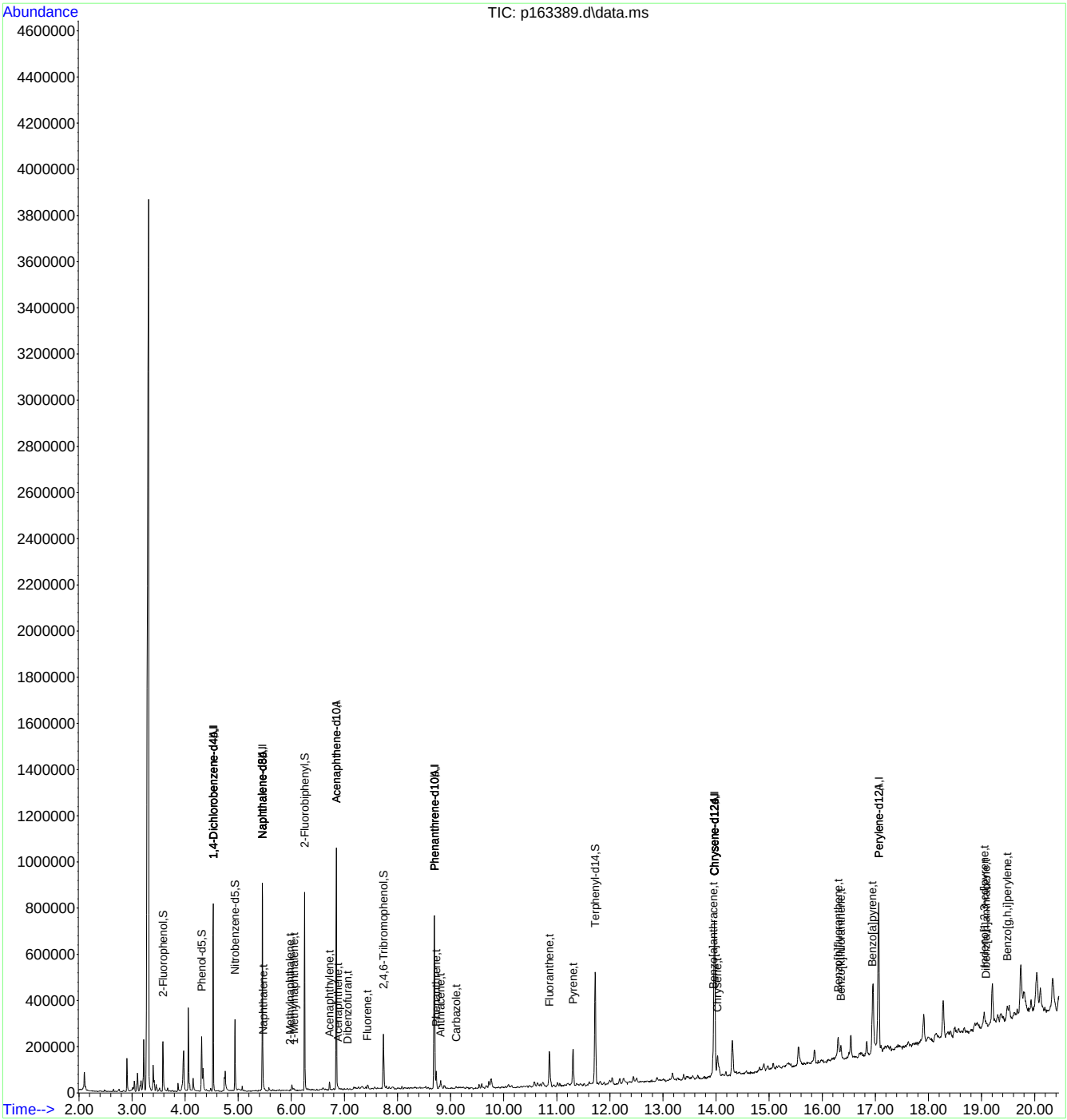
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

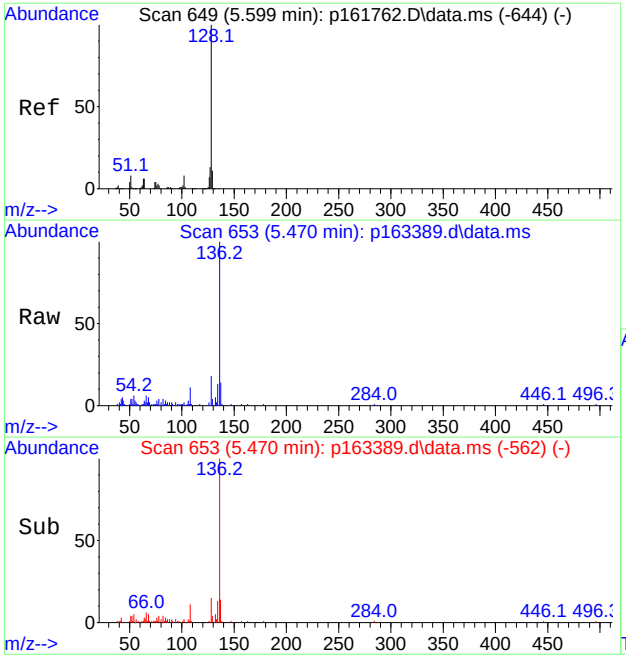
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\EP7624\
Data File : p163389.d
Acq On : 4 Dec 2024 11:22 pm
Operator : anthonyo
Sample : je1300-41 Inst : GCMSP
Misc : op59834,ep7624,30.2,,,1,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 05 09:10:09 2024
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Dec 05 08:23:07 2024
Response via : Initial Calibration

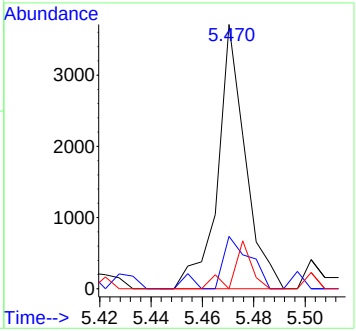


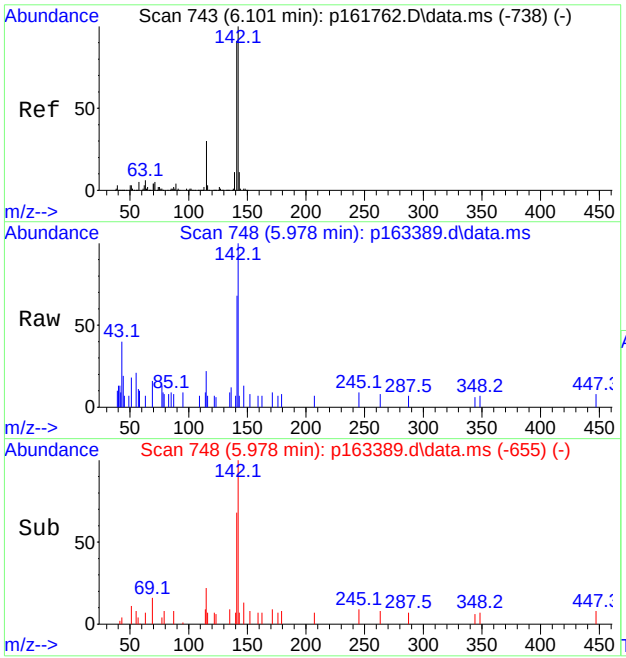


#38
Naphthalene
Concen: 0.3270 ppm
RT: 5.470 min Scan# 653
Delta R.T. -0.011 min
Lab File: p163389.d
Acq: 4 Dec 2024 11:22 pm

Tgt Ion:128 Resp: 2765

Ion	Ratio	Lower	Upper
128	100		
129	19.9	0.0	42.2
127	0.0	0.0	45.3

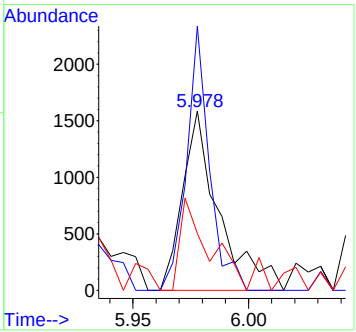


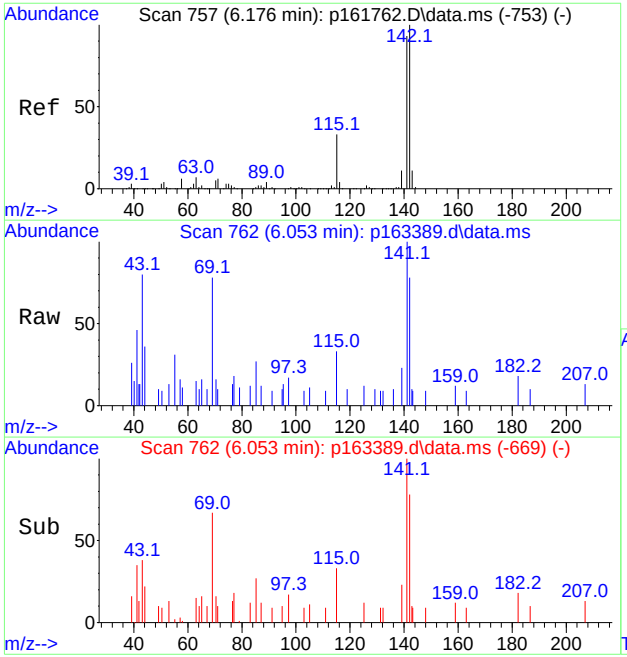


#44
2-Methylnaphthalene
Concen: 0.3279 ppm
RT: 5.978 min Scan# 748
Delta R.T. -0.001 min
Lab File: p163389.d
Acq: 4 Dec 2024 11:22 pm

Tgt Ion:141 Resp: 1740

Ion	Ratio	Lower	Upper
141	100		
142	147.3	78.7	138.7#
115	27.0	10.8	70.8

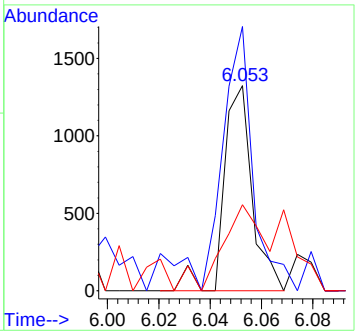


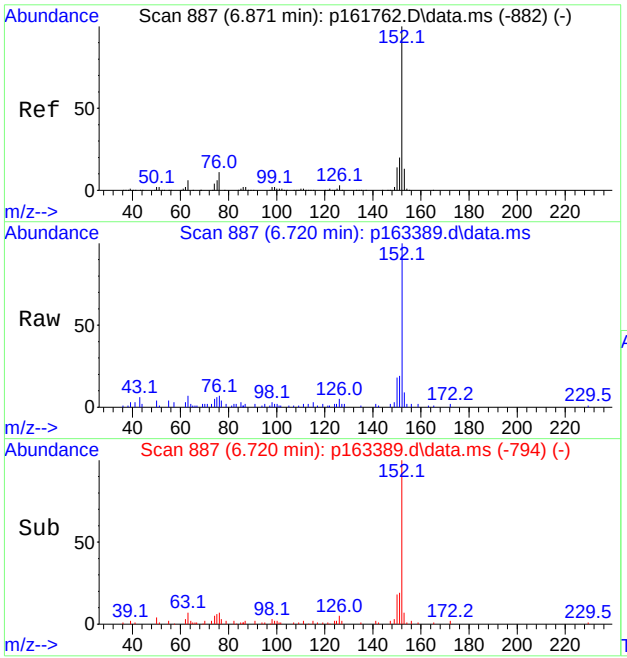


#45
1-Methylnaphthalene
Concen: 0.1875 ppm
RT: 6.053 min Scan# 762
Delta R.T. -0.001 min
Lab File: p163389.d
Acq: 4 Dec 2024 11:22 pm

Tgt Ion:142 Resp: 1010

Ion	Ratio	Lower	Upper
142	100		
141	113.4	63.1	123.1
115	14.4	8.4	68.4

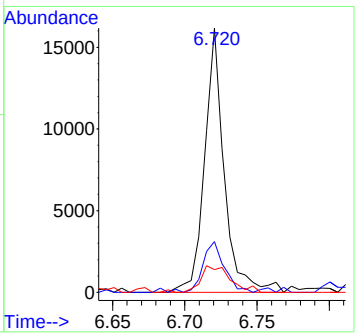


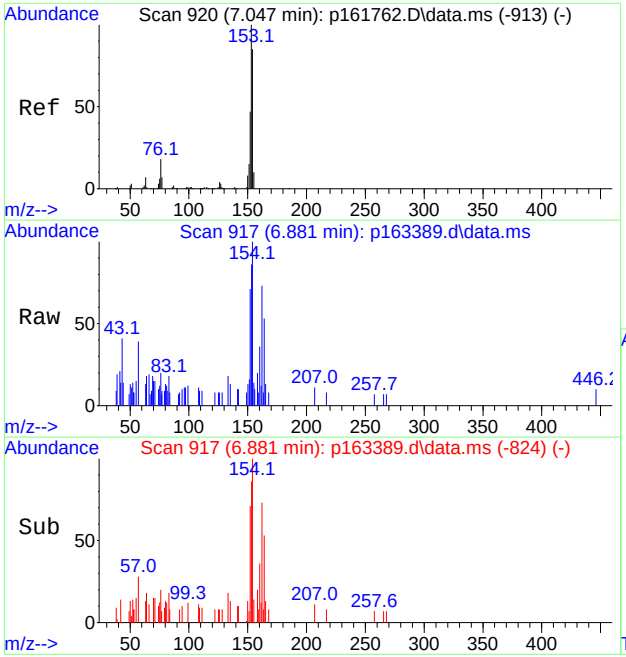


#56
Acenaphthylene
Concen: 1.9994 ppm
RT: 6.720 min Scan# 887
Delta R.T. -0.001 min
Lab File: p163389.d
Acq: 4 Dec 2024 11:22 pm

Tgt Ion:152 Resp: 15223

Ion	Ratio	Lower	Upper
152	100		
151	17.4	0.0	52.8
153	8.6	0.0	44.1

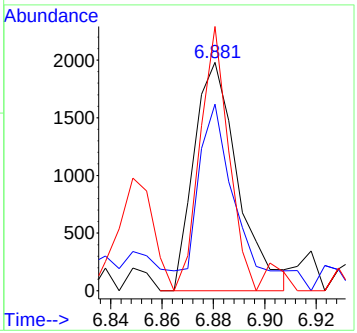


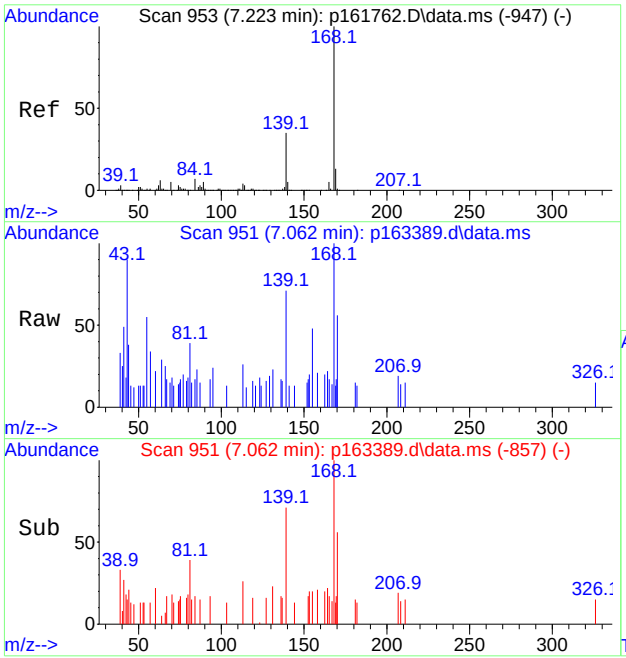


#59
Acenaphthene
Concen: 0.3972 ppm
RT: 6.881 min Scan# 917
Delta R.T. -0.001 min
Lab File: p163389.d
Acq: 4 Dec 2024 11:22 pm

Tgt Ion:153 Resp: 2372

Ion	Ratio	Lower	Upper
153	100		
152	76.1	18.9	78.9
154	109.3	50.6	110.6

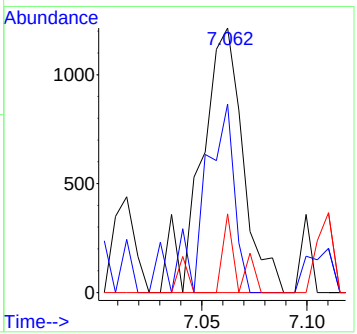


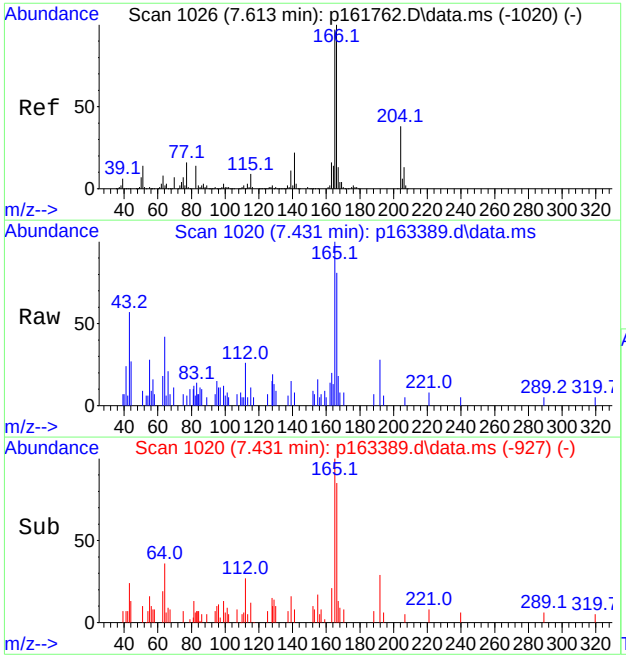


#62
Dibenzofuran
Concen: 0.2019 ppm
RT: 7.062 min Scan# 951
Delta R.T. 0.005 min
Lab File: p163389.d
Acq: 4 Dec 2024 11:22 pm

Tgt Ion:168 Resp: 1696

Ion	Ratio	Lower	Upper
168	100		
139	61.8	9.3	69.3
169	29.7	0.0	45.1

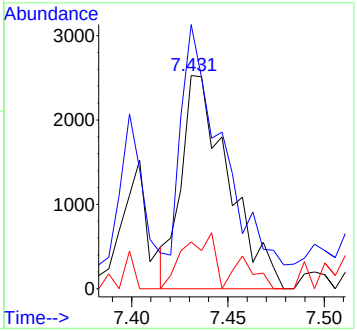


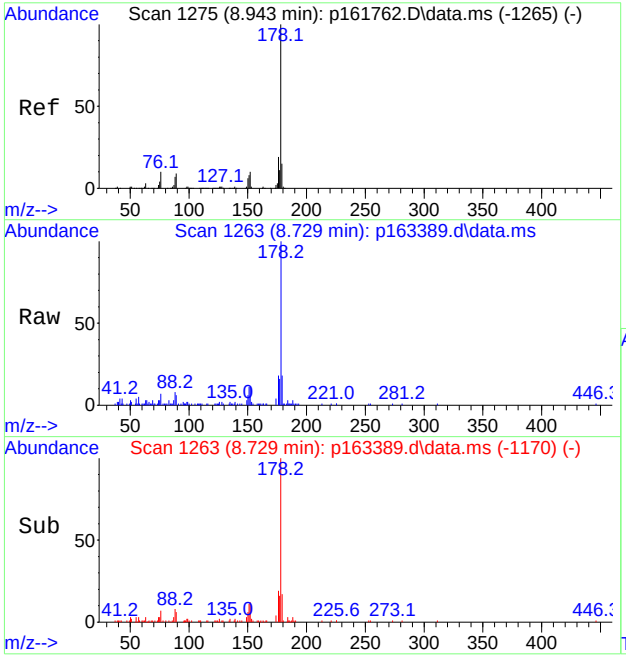


#66
Fluorene
Concen: 0.6688 ppm
RT: 7.431 min Scan# 1020
Delta R.T. -0.001 min
Lab File: p163389.d
Acq: 4 Dec 2024 11:22 pm

Tgt Ion:166 Resp: 4316

Ion	Ratio	Lower	Upper
166	100		
165	121.9	68.7	128.7
167	24.4	0.0	45.0

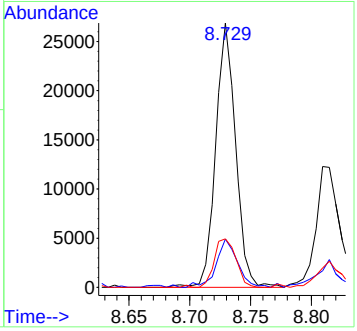


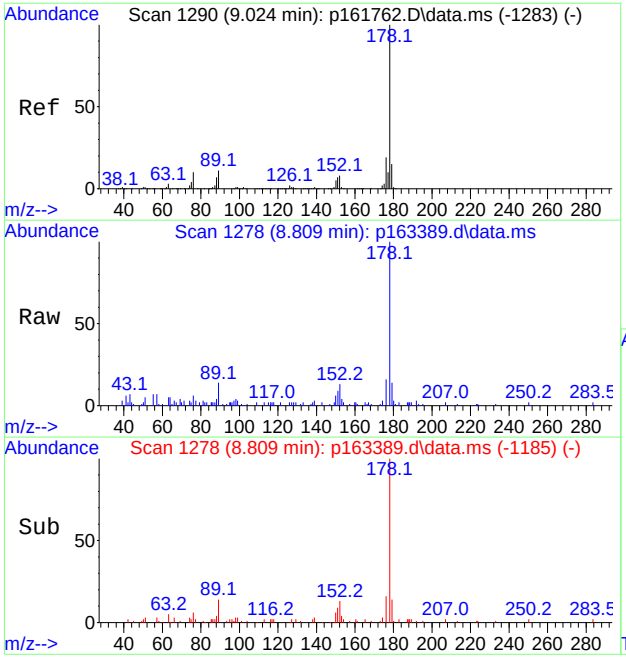


#77
Phenanthrene
Concen: 3.4457 ppm
RT: 8.729 min Scan# 1263
Delta R.T. -0.001 min
Lab File: p163389.d
Acq: 4 Dec 2024 11:22 pm

Tgt Ion:178 Resp: 30574

Ion	Ratio	Lower	Upper
178	100		
179	17.9	0.0	46.6
176	18.1	0.0	50.6

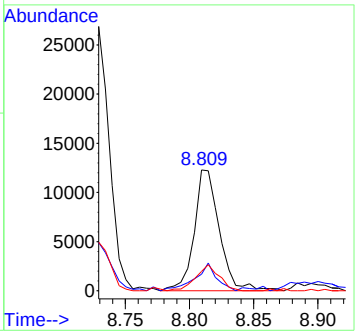


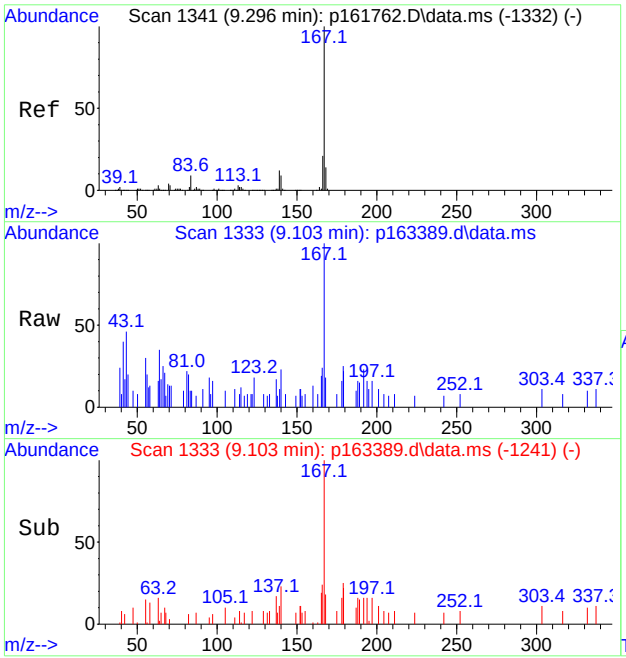


#78
Anthracene
Concen: 1.9317 ppm
RT: 8.809 min Scan# 1278
Delta R.T. -0.001 min
Lab File: p163389.d
Acq: 4 Dec 2024 11:22 pm

Tgt Ion:178 Resp: 16804

Ion	Ratio	Lower	Upper
178	100		
179	11.8	0.0	46.9
176	14.4	0.0	49.3

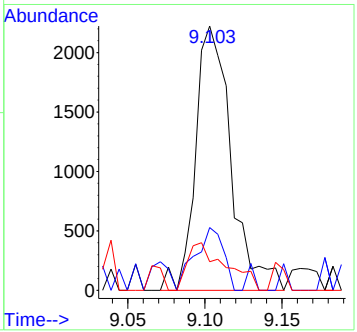


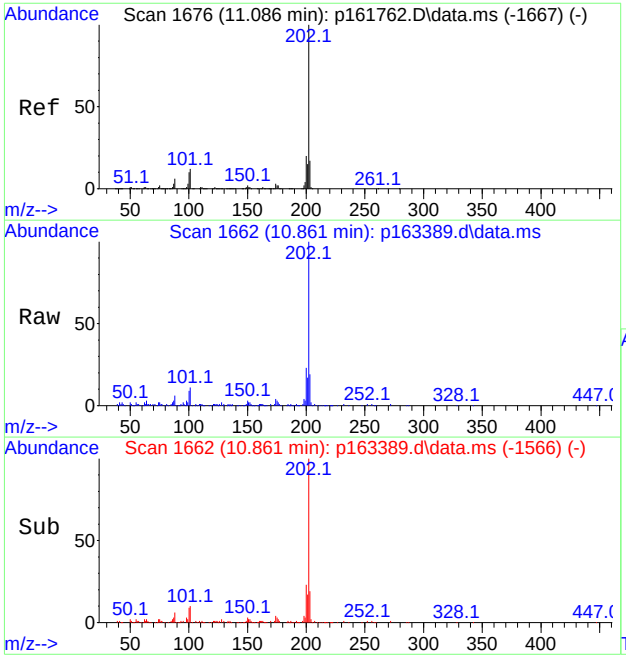


#79
Carbazole
Concen: 0.4338 ppm
RT: 9.103 min Scan# 1333
Delta R.T. -0.006 min
Lab File: p163389.d
Acq: 4 Dec 2024 11:22 pm

Tgt Ion:167 Resp: 3575

Ion	Ratio	Lower	Upper
167	100		
166	14.0	0.0	54.3
139	2.8	0.0	43.9

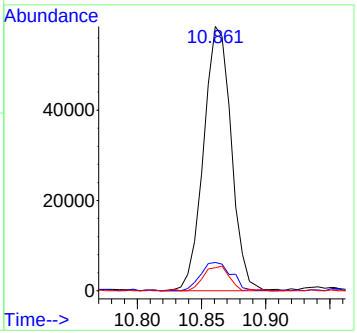


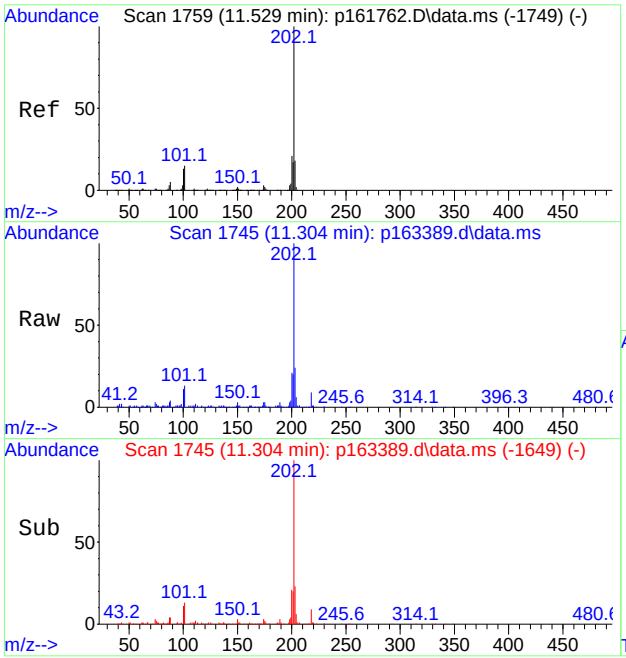


#81
Fluoranthene
Concen: 8.3644 ppm
RT: 10.861 min Scan# 1662
Delta R.T. 0.015 min
Lab File: p163389.d
Acq: 4 Dec 2024 11:22 pm

Tgt Ion:202 Resp: 87886

Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	41.4
100	8.7	0.0	39.1

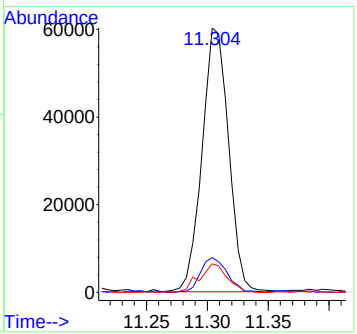


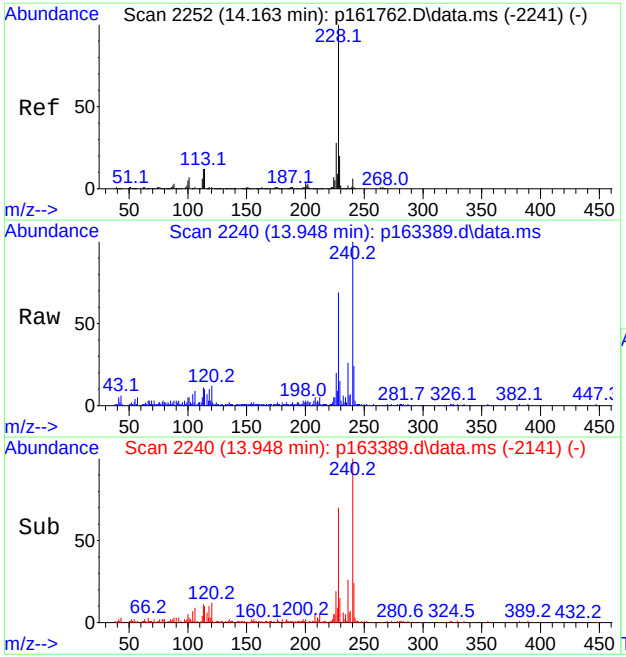


#85
Pyrene
Concen: 7.1798 ppm
RT: 11.304 min Scan# 1745
Delta R.T. 0.015 min
Lab File: p163389.d
Acq: 4 Dec 2024 11:22 pm

Tgt Ion:202 Resp: 91251

Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	42.7
100	10.7	0.0	40.6

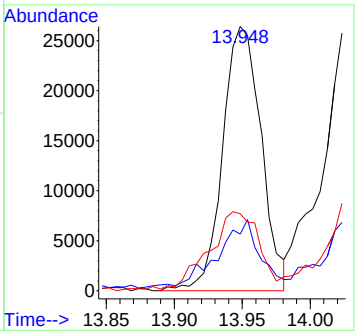


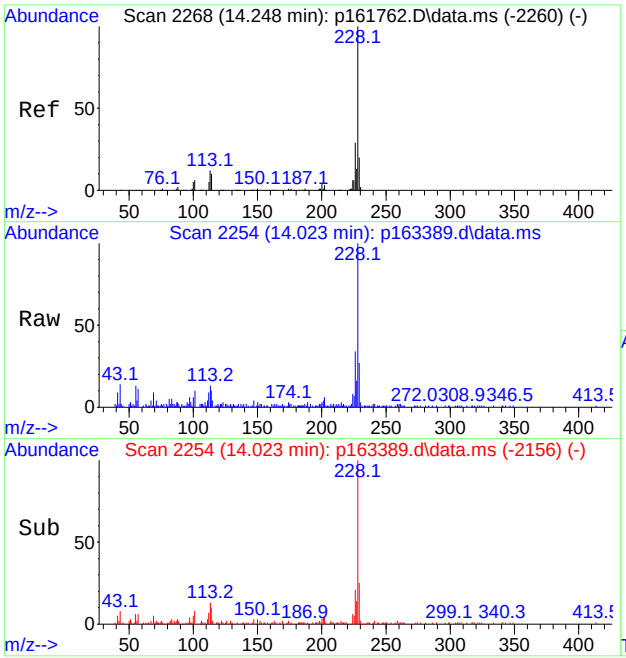


#88
Benzo[a]anthracene
Concen: 4.2825 ppm
RT: 13.948 min Scan# 2240
Delta R.T. 0.032 min
Lab File: p163389.d
Acq: 4 Dec 2024 11:22 pm

Tgt Ion:228 Resp: 52112

Ion	Ratio	Lower	Upper
228	100		
229	19.4	0.0	51.3
226	27.8	0.0	58.9

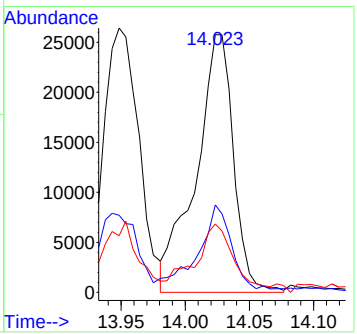


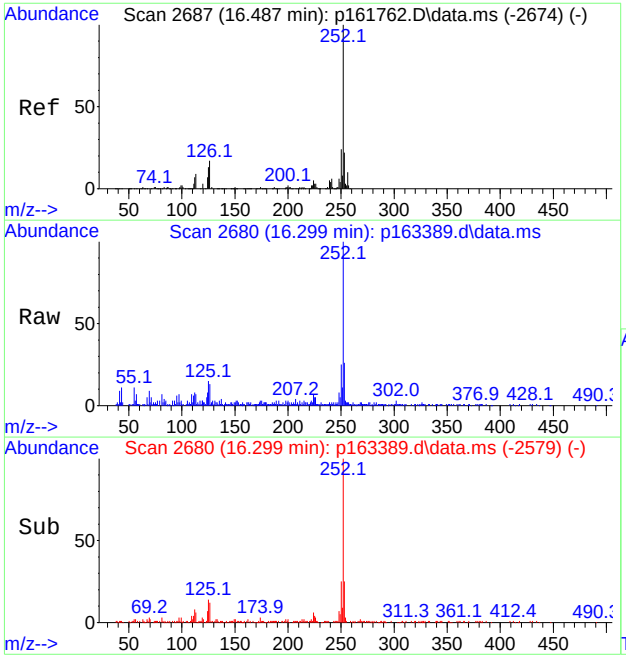


#90
Chrysene
Concen: 4.6294 ppm
RT: 14.023 min Scan# 2254
Delta R.T. 0.026 min
Lab File: p163389.d
Acq: 4 Dec 2024 11:22 pm

Tgt Ion:228 Resp: 52562

Ion	Ratio	Lower	Upper
228	100		
226	32.6	0.7	60.7
229	24.7	0.0	51.4

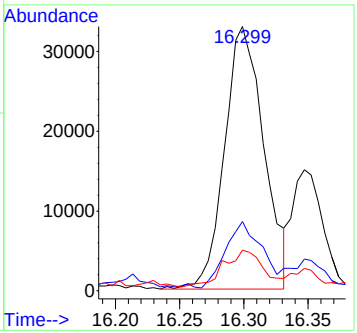


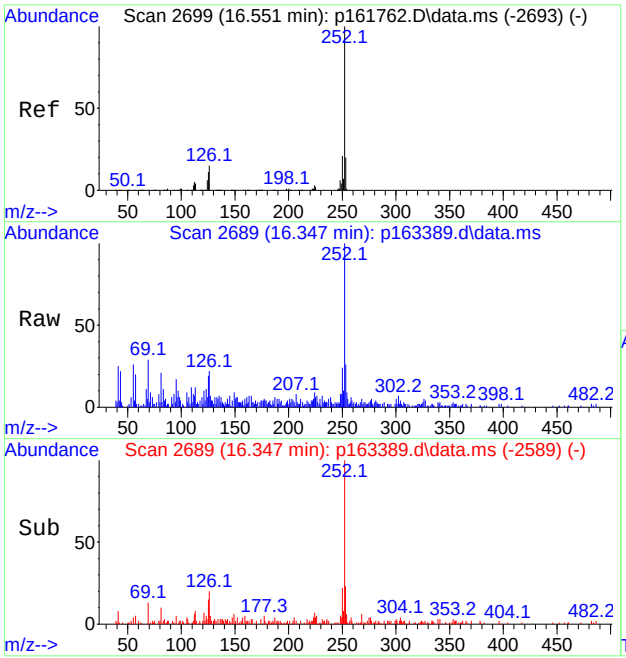


#94
Benzo[b]fluoranthene
Concen: 6.0833 ppm
RT: 16.299 min Scan# 2680
Delta R.T. 0.042 min
Lab File: p163389.d
Acq: 4 Dec 2024 11:22 pm

Tgt Ion:252 Resp: 70280

Ion	Ratio	Lower	Upper
252	100		
253	24.2	0.0	54.4
125	13.5	0.0	43.2

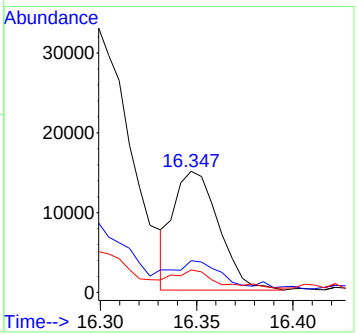


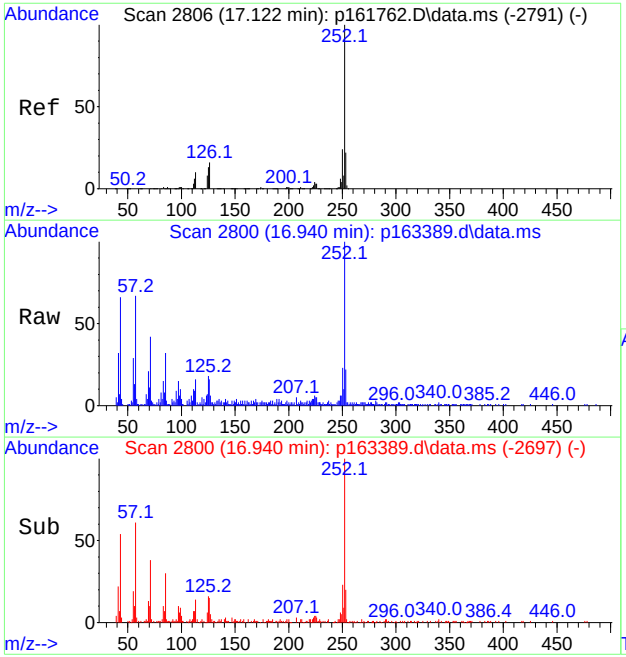


#95
Benzo[k]fluoranthene
Concen: 2.1676 ppm
RT: 16.347 min Scan# 2689
Delta R.T. 0.037 min
Lab File: p163389.d
Acq: 4 Dec 2024 11:22 pm

Tgt Ion:252 Resp: 24361

Ion	Ratio	Lower	Upper
252	100		
253	20.1	0.0	53.8
125	16.0	0.0	40.7

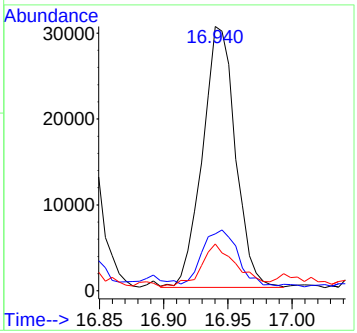


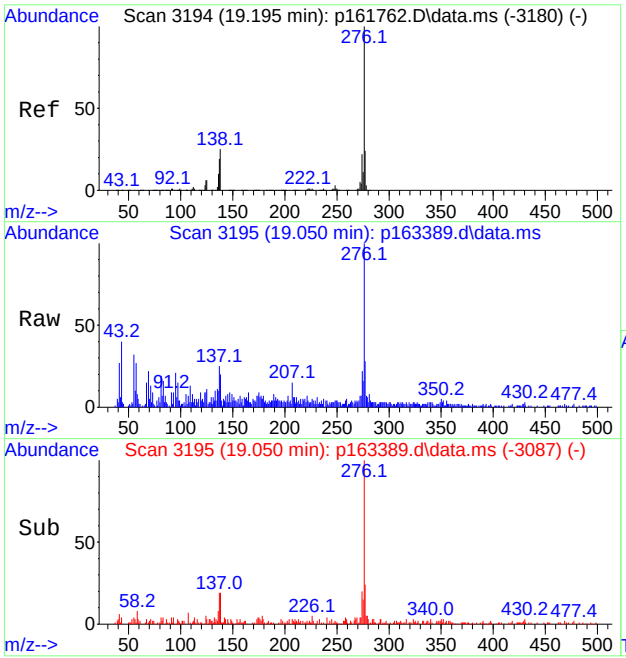


#96
Benzo[a]pyrene
Concen: 5.4439 ppm
RT: 16.940 min Scan# 2800
Delta R.T. 0.053 min
Lab File: p163389.d
Acq: 4 Dec 2024 11:22 pm

Tgt Ion:252 Resp: 54260

Ion	Ratio	Lower	Upper
252	100		
253	18.7	0.0	52.8
125	13.9	0.0	42.1

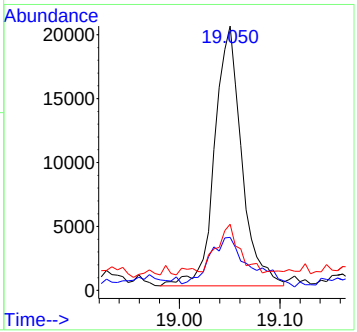


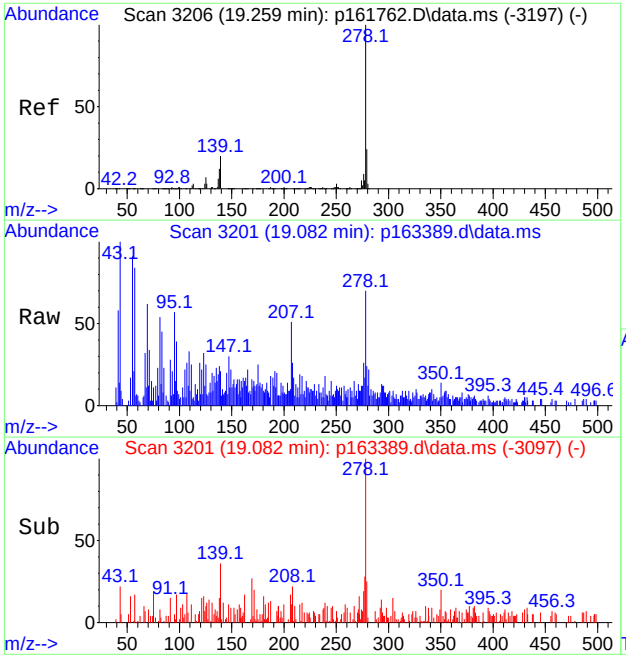


#97
Indeno[1,2,3-cd]pyrene
Concen: 3.5430 ppm
RT: 19.050 min Scan# 3195
Delta R.T. 0.080 min
Lab File: p163389.d
Acq: 4 Dec 2024 11:22 pm

Tgt Ion:276 Resp: 38027

Ion	Ratio	Lower	Upper
276	100		
138	16.6	0.0	51.3
137	19.0	0.0	47.3

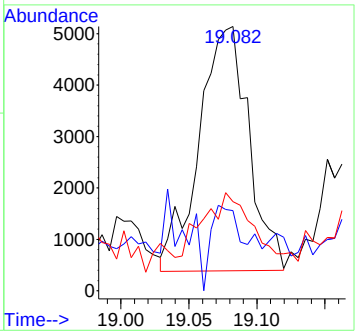


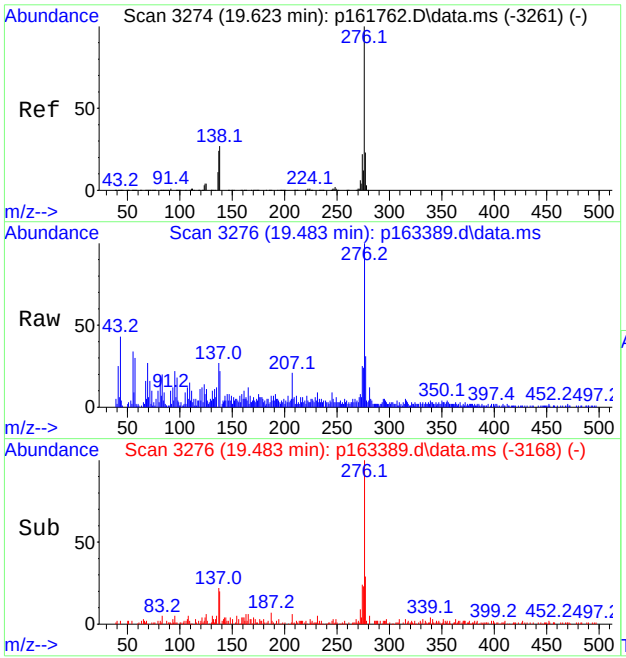


#99
Dibenz[a,h]anthracene
Concen: 1.1628 ppm
RT: 19.082 min Scan# 3201
Delta R.T. 0.058 min
Lab File: p163389.d
Acq: 4 Dec 2024 11:22 pm

Tgt Ion:278 Resp: 12087

Ion	Ratio	Lower	Upper
278	100		
139	14.6	0.0	46.9
279	19.9	0.0	54.7

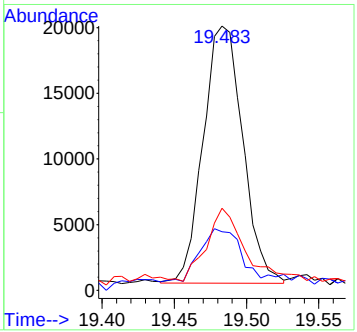




#101
Benzo[g,h,i]perylene
Concen: 3.5581 ppm
RT: 19.483 min Scan# 3276
Delta R.T. 0.080 min
Lab File: p163389.d
Acq: 4 Dec 2024 11:22 pm

Tgt Ion:276 Resp: 37331

Ion	Ratio	Lower	Upper
276	100		
138	18.2	0.0	53.7
277	26.4	0.0	56.5



Manual Integrations APPROVED (compounds with "m" flag)
Jon Kreigmor Mamanta 12/05/24 04:59

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\EP7624\
Data File : p163390.d
Acq On : 4 Dec 2024 11:48 pm
Operator : anthonyo
Sample : je1300-43 Inst : GCMSP
Misc : op59834,ep7624,30.3,,,1,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Dec 05 09:12:40 2024
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Dec 05 08:23:07 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.530	152	115748	40.00	ppm		0.01
24) Naphthalene-d8	5.460	136	403097	40.00	ppm		0.01
46) Acenaphthene-d10	6.849	164	228376	40.00	ppm		0.00
69) Phenanthrene-d10	8.697	188	414871	40.00	ppm		0.01
83) Chrysene-d12	13.975	240	447784	40.00	ppm		0.02
92) Perylene-d12	17.068	264	462676	40.00	ppm		0.03
102) 1,4-Dichlorobenzene-d4A	4.530	152	115748	40.00	ppm		0.01
112) Naphthalene-d8A	5.460	136	403097	40.00	ppm		0.01
121) Acenaphthene-d10A	6.849	164	228376	40.00	ppm		0.00
132) Phenanthrene-d10A	8.697	188	414871	40.00	ppm		0.01
147) Chrysene-d12A	13.975	240	447784	40.00	ppm		0.02
154) Perylene-d12A	17.068	264	462676	40.00	ppm		0.03
158) 1,4-Dichlorobenzene-d4b	4.530	152	115748	40.00	ppm		0.01
160) Phenanthrene-d10b	8.697	188	414871	40.00	ppm		0.01
162) Naphthalene-d8b	5.460	136	403097	40.00	ppm	#	0.01
164) Naphthalene-d8c	5.460	136	403097	40.00	ppm		0.01
168) 1,4-Dichlorobenzene-d4c	4.530	152	115748	40.00	ppm		0.01
170) Chrysene-d12c	13.975	240	447784	40.00	ppm		0.02
172) Chrysene-d12d	13.975	240	447784	40.00	ppm		0.02
174) Naphthalene-d8d	5.460	136	403097	40.00	ppm		0.01
176) Chrysene-d12e	13.975	240	447784	40.00	ppm		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	3.579	112	78732	22.79	ppm		0.02
Spiked Amount 50.000			Recovery = 45.58%				
8) Phenol-d5	4.311	99	100667	24.28	ppm		0.02
Spiked Amount 50.000			Recovery = 48.56%				
25) Nitrobenzene-d5	4.942	82	98487	32.50	ppm		0.00
Spiked Amount 50.000			Recovery = 65.00%				
51) 2-Fluorobiphenyl	6.250	172	246748	31.26	ppm		0.00
Spiked Amount 50.000			Recovery = 62.52%				
73) 2,4,6-Tribromophenol	7.736	330	42662	42.94	ppm		0.01
Spiked Amount 50.000			Recovery = 85.88%				
86) Terphenyl-d14	11.726	244	316416	29.46	ppm		0.02
Spiked Amount 50.000			Recovery = 58.92%				
Target Compounds							Qvalue
38) Naphthalene	5.470	128	7915	0.8012	ppm		93
44) 2-Methylnaphthalene	5.978	141	2285	0.3686	ppm		92
45) 1-Methylnaphthalene	6.053	142	1674	0.2660	ppm		95
56) Acenaphthylene	6.720	152	8997	0.9926	ppm		93
59) Acenaphthene	6.881	153	2699	0.3797	ppm		97
62) Dibenzofuran	7.057	168	2671	0.2670	ppm		78
66) Fluorene	7.431	166	3736	0.4863	ppm		89
77) Phenanthrene	8.729	178	39647	3.7759	ppm		94
78) Anthracene	8.815	178	12923	1.2554	ppm		98
79) Carbazole	9.108	167	5724	0.5869	ppm		91
81) Fluoranthene	10.861	202	94914	7.6336	ppm		100
85) Pyrene	11.304	202	91022	5.9937	ppm		96
88) Benzo[a]anthracene	13.954	228	47882	3.2931	ppm		96
90) Chrysene	14.029	228	53409	3.9368	ppm		97
94) Benzo[b]fluoranthene	16.299	252	68092m	4.9887	ppm		
95) Benzo[k]fluoranthene	16.347	252	23993	1.8070	ppm		96
96) Benzo[a]pyrene	16.946	252	45487	3.8627	ppm		97
97) Indeno[1,2,3-cd]pyrene	19.045	276	32455	2.5594	ppm		90
99) Dibenz[a,h]anthracene	19.077	278	8830	0.7190	ppm		87
101) Benzo[g,h,i]perylene	19.483	276	31982	2.5801	ppm		93

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\EP7624\
Data File : p163390.d
Acq On : 4 Dec 2024 11:48 pm
Operator : anthonyo
Sample : je1300-43 Inst : GCMSP
Misc : op59834,ep7624,30.3,,,1,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Dec 05 09:12:40 2024
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Dec 05 08:23:07 2024
Response via : Initial Calibration

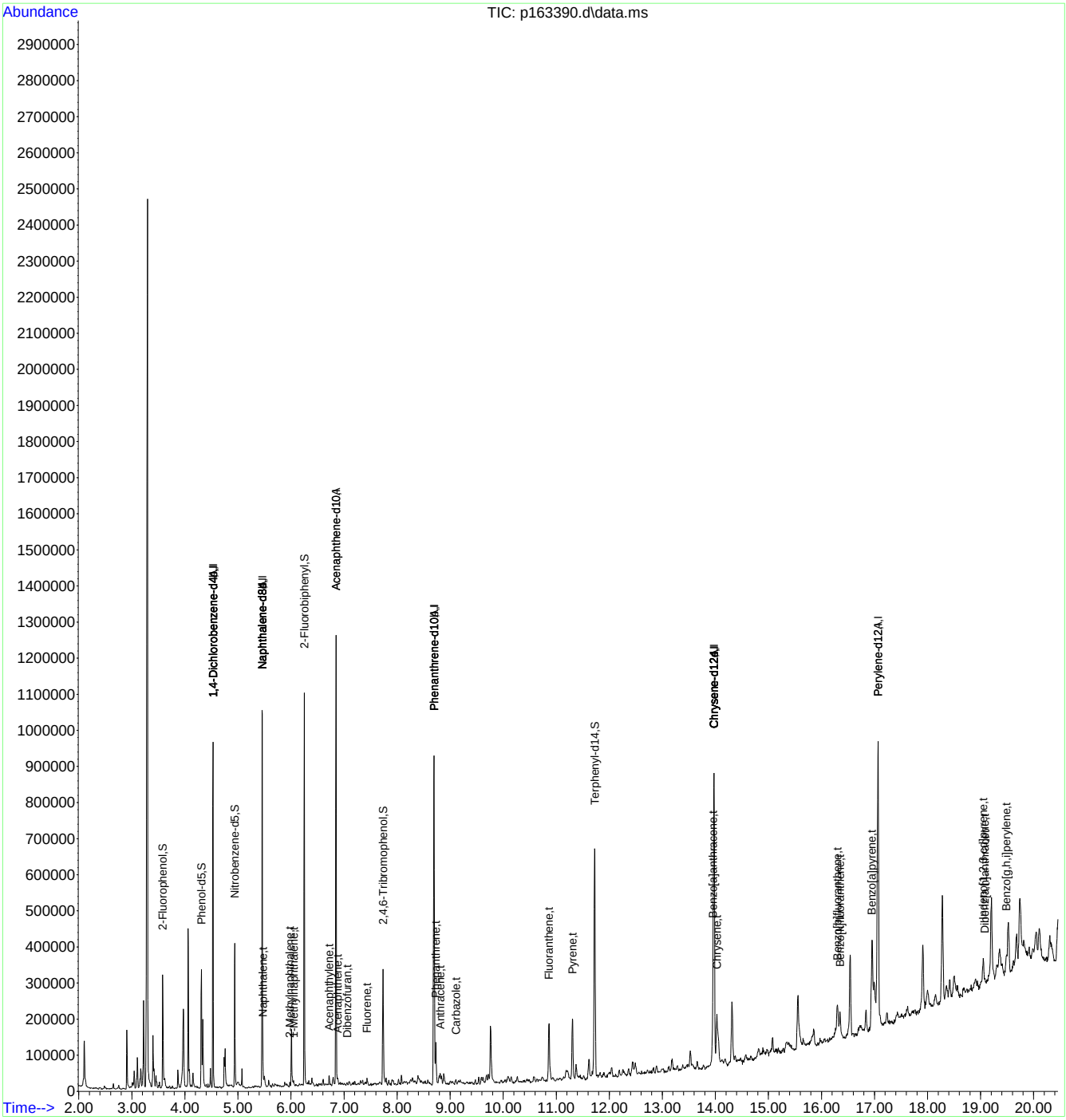
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

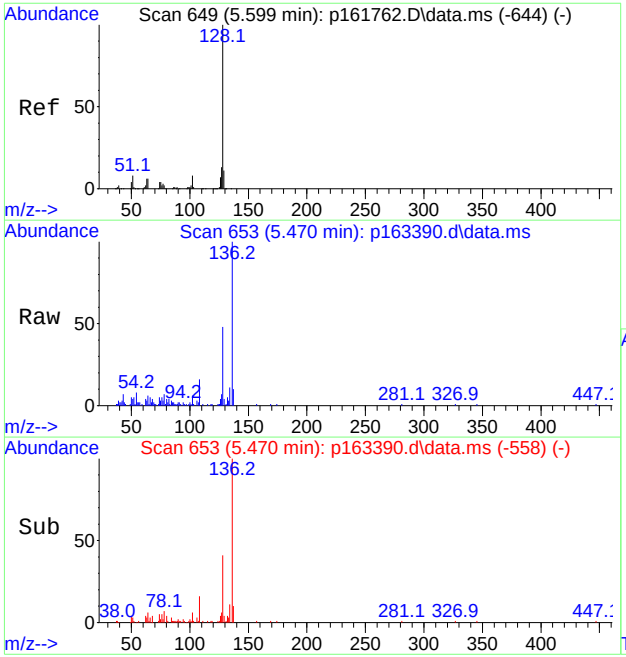
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\EP7624\
Data File : p163390.d
Acq On : 4 Dec 2024 11:48 pm
Operator : anthonyo
Sample : je1300-43 Inst : GCMSP
Misc : op59834,ep7624,30.3,,,1,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Dec 05 09:12:40 2024
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Dec 05 08:23:07 2024
Response via : Initial Calibration

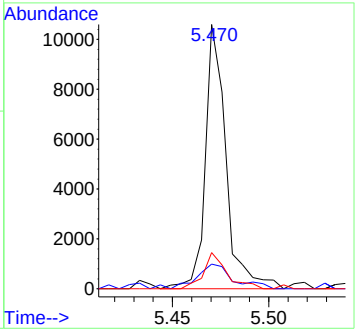


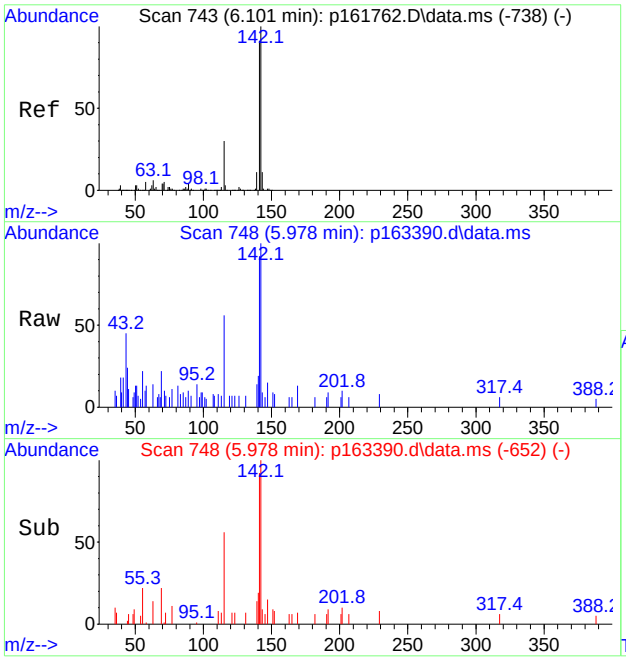


#38
Naphthalene
Concen: 0.8012 ppm
RT: 5.470 min Scan# 653
Delta R.T. 0.005 min
Lab File: p163390.d
Acq: 4 Dec 2024 11:48 pm

Tgt Ion:128 Resp: 7915

Ion	Ratio	Lower	Upper
128	100		
129	8.6	0.0	42.3
127	12.9	0.0	45.4

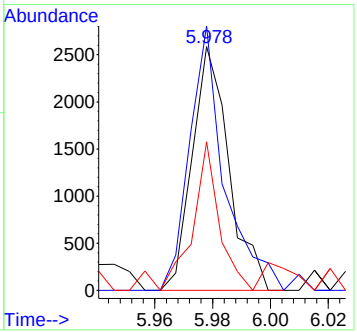


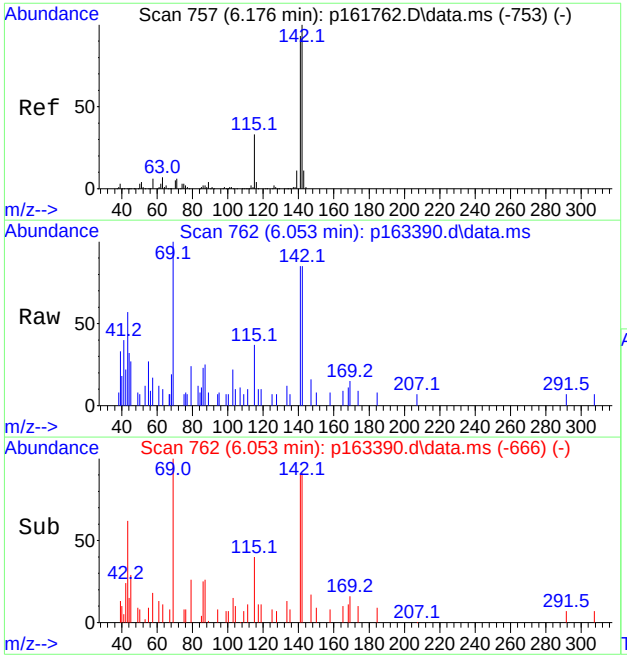


#44
2-Methylnaphthalene
Concen: 0.3686 ppm
RT: 5.978 min Scan# 748
Delta R.T. 0.011 min
Lab File: p163390.d
Acq: 4 Dec 2024 11:48 pm

Tgt Ion:141 Resp: 2285

Ion	Ratio	Lower	Upper
141	100		
142	108.4	78.1	138.1
115	56.4	9.4	69.4

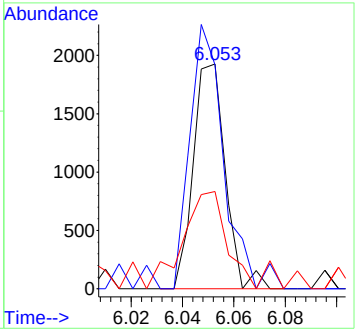


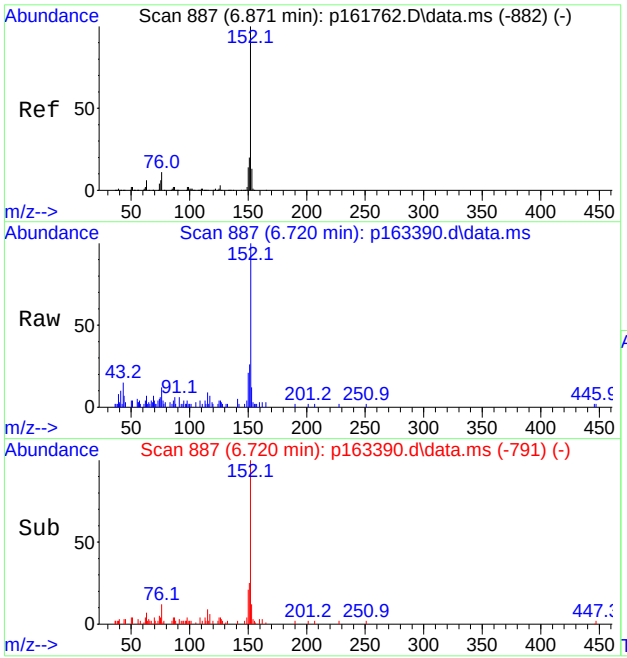


#45
1-Methylnaphthalene
Concen: 0.2660 ppm
RT: 6.053 min Scan# 762
Delta R.T. 0.011 min
Lab File: p163390.d
Acq: 4 Dec 2024 11:48 pm

Tgt Ion:142 Resp: 1674

Ion	Ratio	Lower	Upper
142	100		
141	99.6	62.7	122.7
115	37.2	6.9	66.9

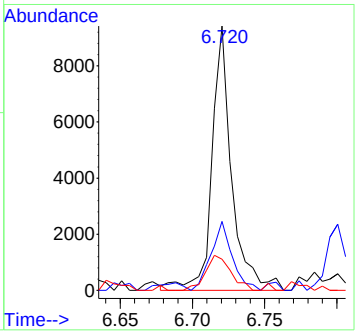


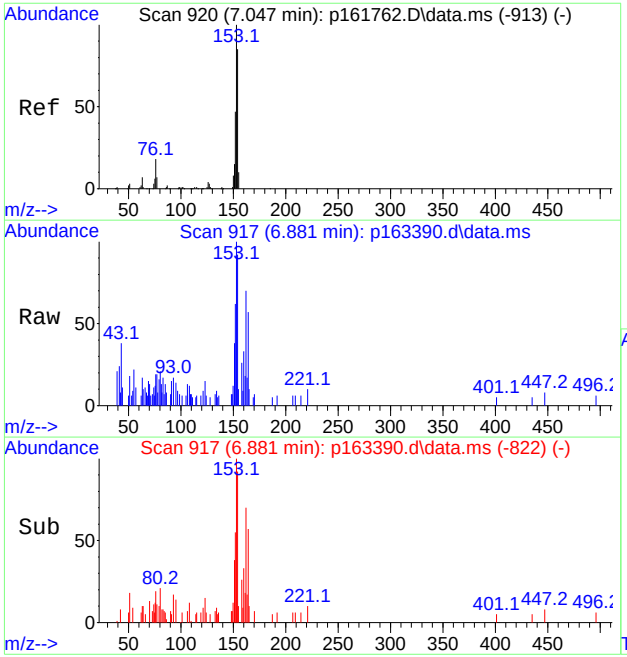


#56
Acenaphthylene
Concen: 0.9926 ppm
RT: 6.720 min Scan# 887
Delta R.T. 0.011 min
Lab File: p163390.d
Acq: 4 Dec 2024 11:48 pm

Tgt Ion:152 Resp: 8997

Ion	Ratio	Lower	Upper
152	100		
151	25.3	0.0	52.4
153	10.9	0.0	44.7

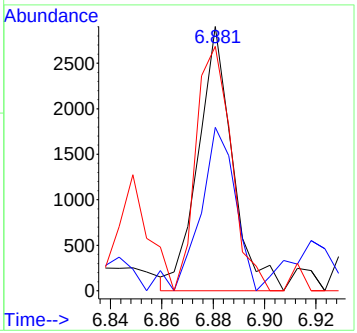


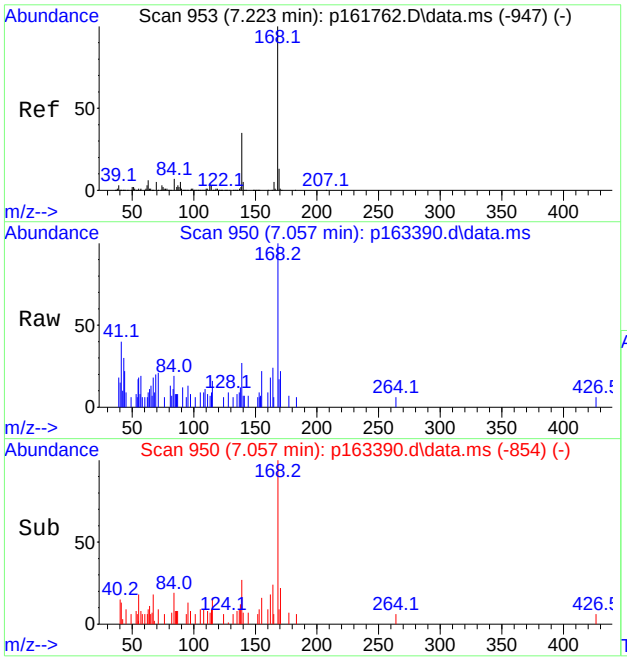


#59
Acenaphthene
Concen: 0.3797 ppm
RT: 6.881 min Scan# 917
Delta R.T. 0.005 min
Lab File: p163390.d
Acq: 4 Dec 2024 11:48 pm

Tgt Ion:153 Resp: 2699

Ion	Ratio	Lower	Upper
153	100		
152	53.6	19.1	79.1
154	86.4	55.0	115.0

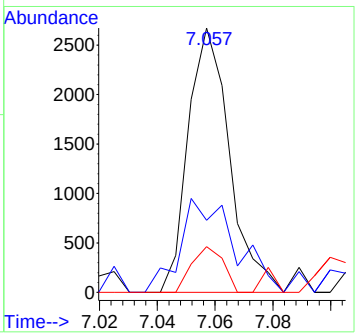


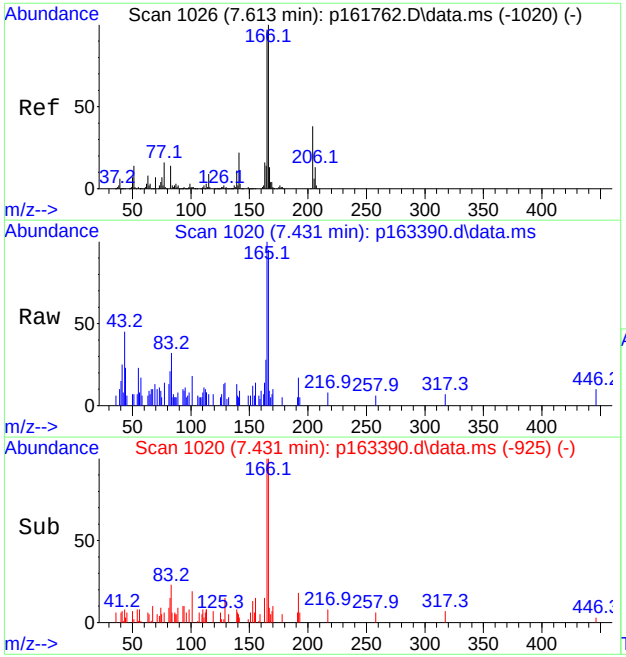


#62
Dibenzofuran
Concen: 0.2670 ppm
RT: 7.057 min Scan# 950
Delta R.T. 0.011 min
Lab File: p163390.d
Acq: 4 Dec 2024 11:48 pm

Tgt Ion:168 Resp: 2671

Ion	Ratio	Lower	Upper
168	100		
139	22.6	9.4	69.4
169	17.3	0.0	44.5

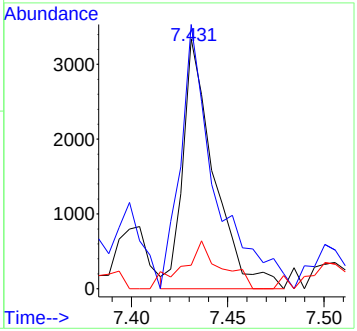


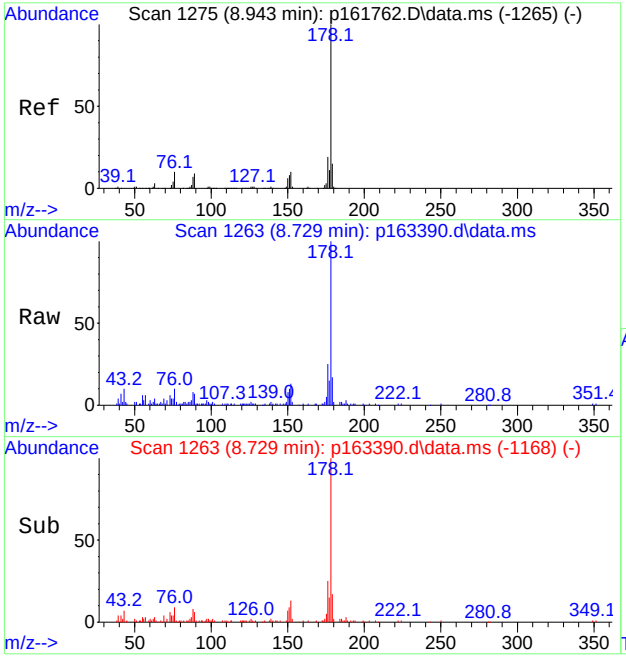


#66
Fluorene
Concen: 0.4863 ppm
RT: 7.431 min Scan# 1020
Delta R.T. 0.005 min
Lab File: p163390.d
Acq: 4 Dec 2024 11:48 pm

Tgt Ion:166 Resp: 3736

Ion	Ratio	Lower	Upper
166	100		
165	105.3	66.7	126.7
167	3.5	0.0	44.5

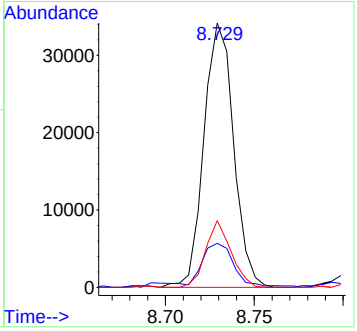


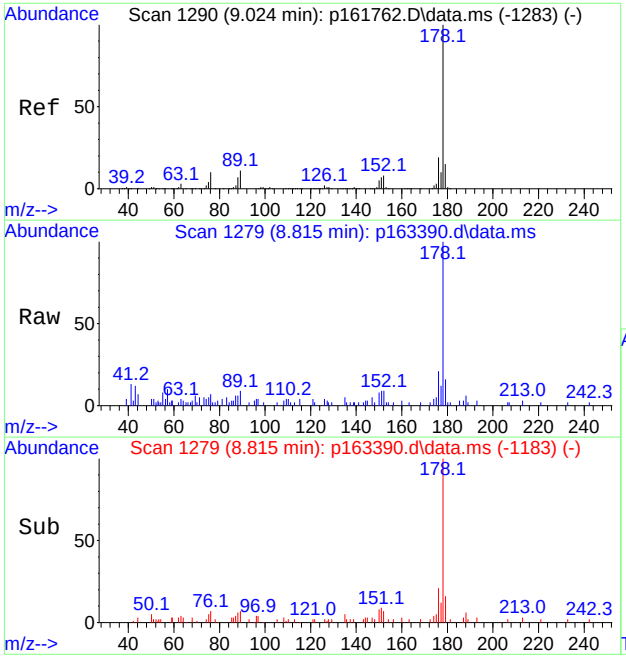


#77
Phenanthrene
Concen: 3.7759 ppm
RT: 8.729 min Scan# 1263
Delta R.T. 0.005 min
Lab File: p163390.d
Acq: 4 Dec 2024 11:48 pm

Tgt Ion:178 Resp: 39647

Ion	Ratio	Lower	Upper
178	100		
179	15.5	0.0	46.7
176	25.3	0.0	51.0

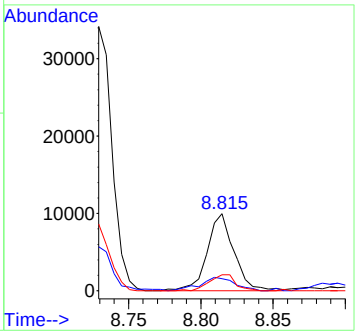


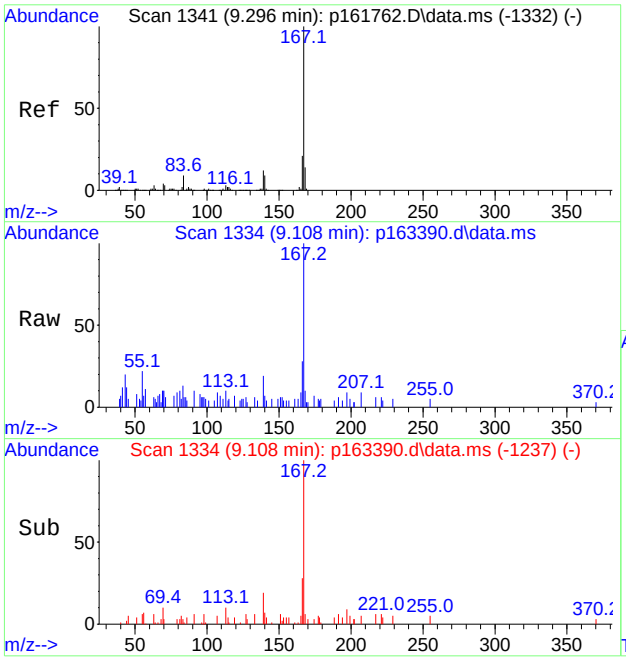


#78
Anthracene
Concen: 1.2554 ppm
RT: 8.815 min Scan# 1279
Delta R.T. 0.011 min
Lab File: p163390.d
Acq: 4 Dec 2024 11:48 pm

Tgt Ion:178 Resp: 12923

Ion	Ratio	Lower	Upper
178	100		
179	14.8	0.0	46.6
176	20.2	0.0	50.2

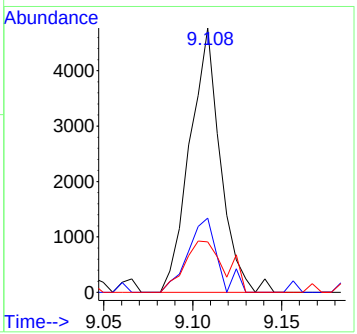


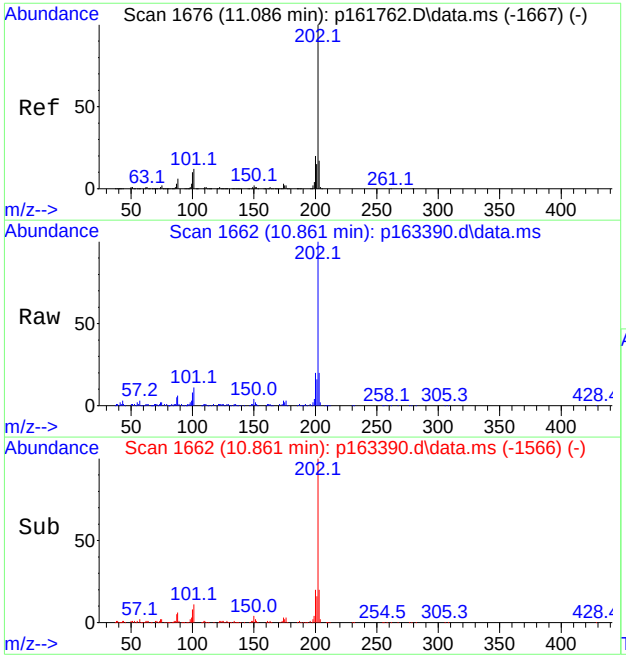


#79
Carbazole
Concen: 0.5869 ppm
RT: 9.108 min Scan# 1334
Delta R.T. 0.016 min
Lab File: p163390.d
Acq: 4 Dec 2024 11:48 pm

Tgt Ion:167 Resp: 5724

Ion	Ratio	Lower	Upper
167	100		
166	28.1	0.0	54.3
139	19.0	0.0	44.6

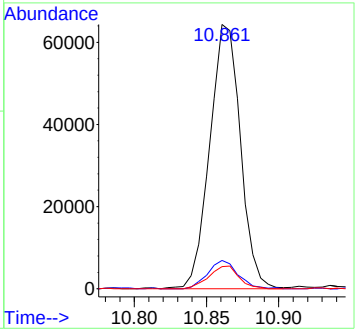


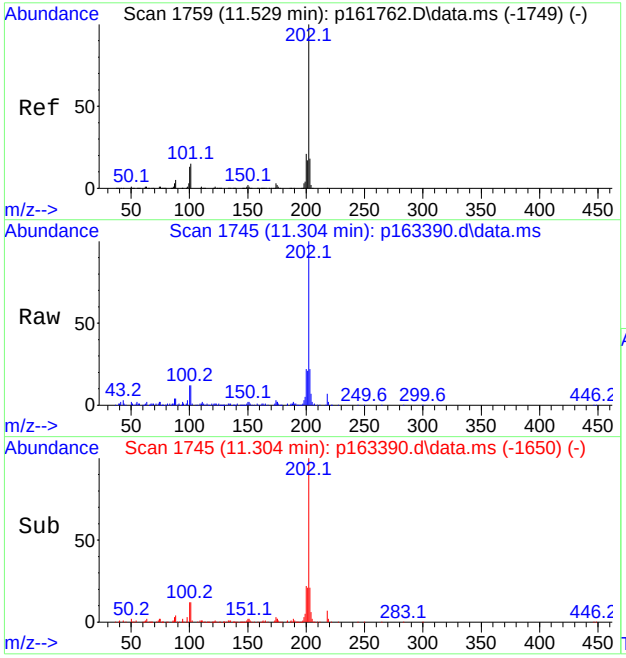


#81
Fluoranthene
Concen: 7.6336 ppm
RT: 10.861 min Scan# 1662
Delta R.T. 0.011 min
Lab File: p163390.d
Acq: 4 Dec 2024 11:48 pm

Tgt Ion:202 Resp: 94914

Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	40.8
100	8.4	0.0	38.6

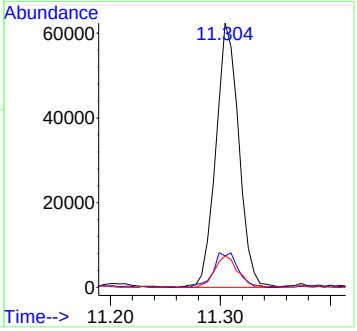


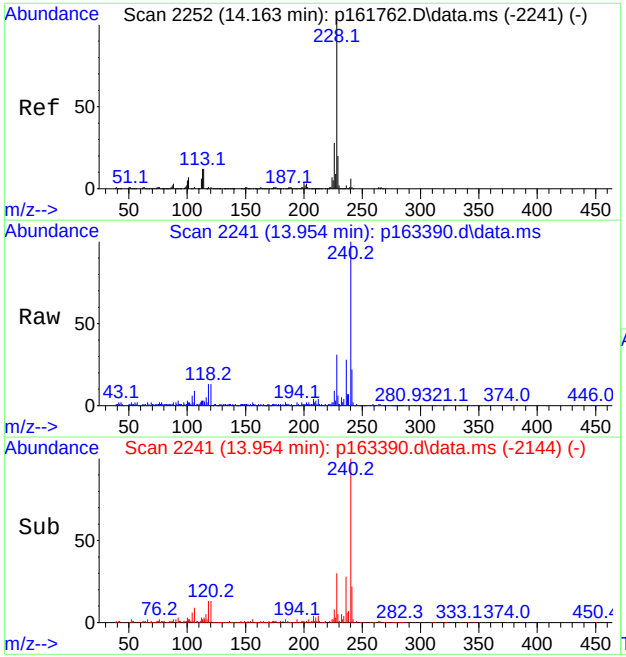


#85
Pyrene
Concen: 5.9937 ppm
RT: 11.304 min Scan# 1745
Delta R.T. 0.005 min
Lab File: p163390.d
Acq: 4 Dec 2024 11:48 pm

Tgt Ion:202 Resp: 91022

Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	42.2
100	11.9	0.0	39.3

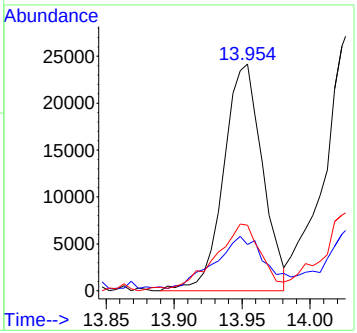


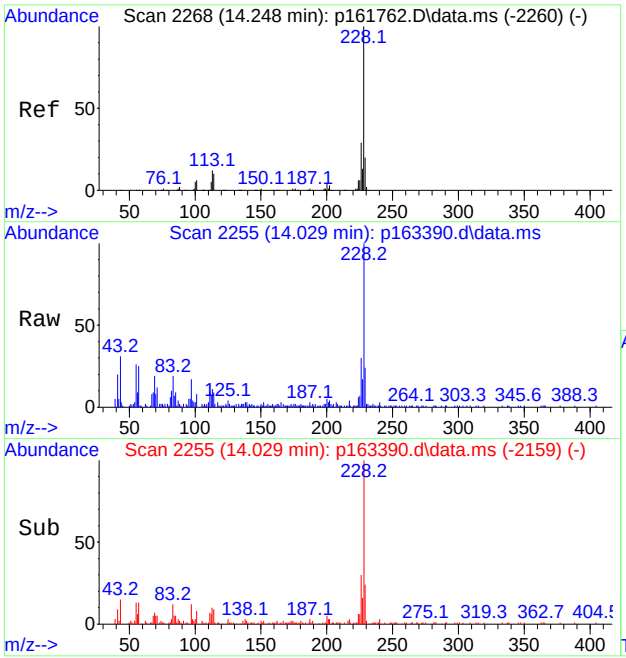


#88
Benzo[a]anthracene
Concen: 3.2931 ppm
RT: 13.954 min Scan# 2241
Delta R.T. 0.016 min
Lab File: p163390.d
Acq: 4 Dec 2024 11:48 pm

Tgt Ion:228 Resp: 47882

Ion	Ratio	Lower	Upper
228	100		
229	16.6	0.0	50.4
226	27.7	0.0	57.8

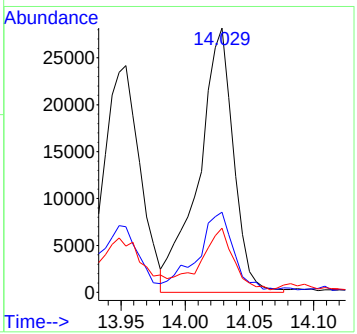


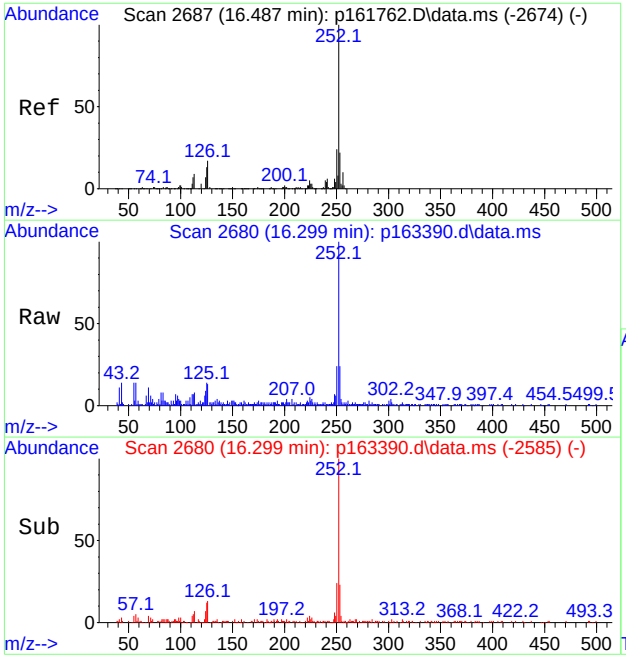


#90
Chrysene
Concen: 3.9368 ppm
RT: 14.029 min Scan# 2255
Delta R.T. 0.011 min
Lab File: p163390.d
Acq: 4 Dec 2024 11:48 pm

Tgt Ion:228 Resp: 53409

Ion	Ratio	Lower	Upper
228	100		
226	29.2	1.3	61.3
229	20.6	0.0	51.0

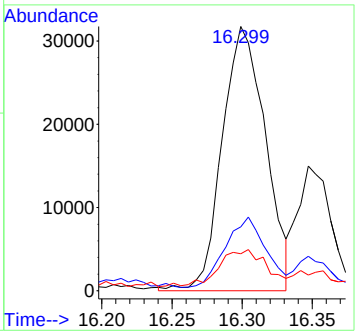


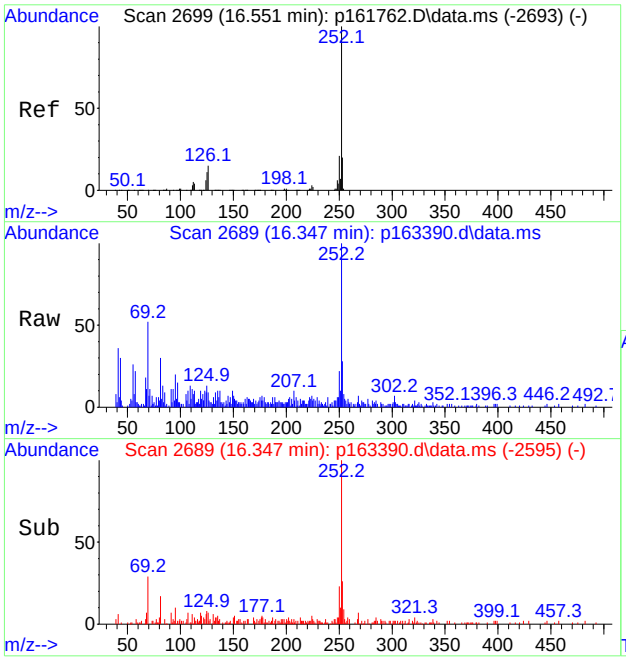


#94
Benzo[b]fluoranthene
Concen: 4.9887 ppm m
RT: 16.299 min Scan# 2680
Delta R.T. 0.005 min
Lab File: p163390.d
Acq: 4 Dec 2024 11:48 pm

Tgt Ion:252 Resp: 68092

Ion	Ratio	Lower	Upper
252	100		
253	24.2	0.0	53.6
125	14.0	0.0	41.1

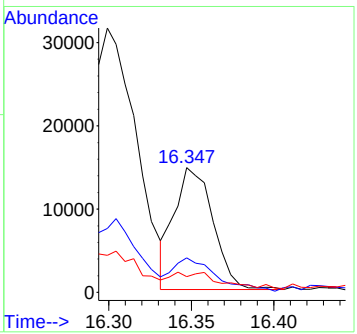


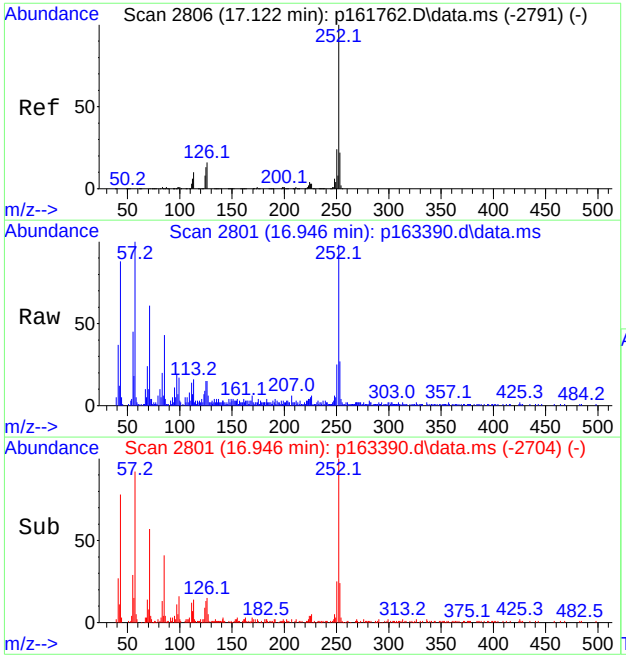


#95
Benzo[k]fluoranthene
Concen: 1.8070 ppm
RT: 16.347 min Scan# 2689
Delta R.T. 0.000 min
Lab File: p163390.d
Acq: 4 Dec 2024 11:48 pm

Tgt Ion:252 Resp: 23993

Ion	Ratio	Lower	Upper
252	100		
253	25.1	0.0	53.9
125	7.7	0.0	40.0

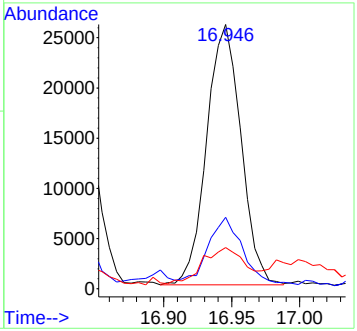


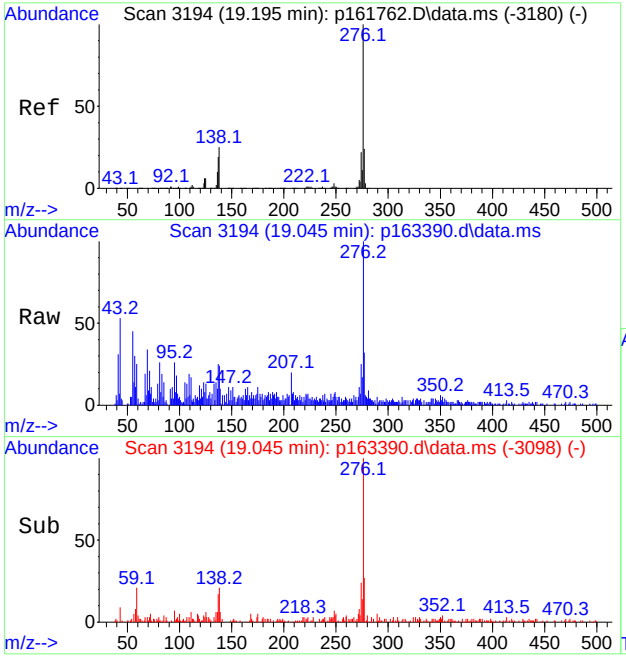


#96
Benzo[a]pyrene
Concen: 3.8627 ppm
RT: 16.946 min Scan# 2801
Delta R.T. 0.016 min
Lab File: p163390.d
Acq: 4 Dec 2024 11:48 pm

Tgt Ion:252 Resp: 45487

Ion	Ratio	Lower	Upper
252	100		
253	22.7	0.0	53.3
125	9.7	0.0	42.3

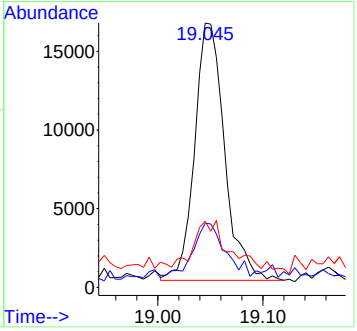


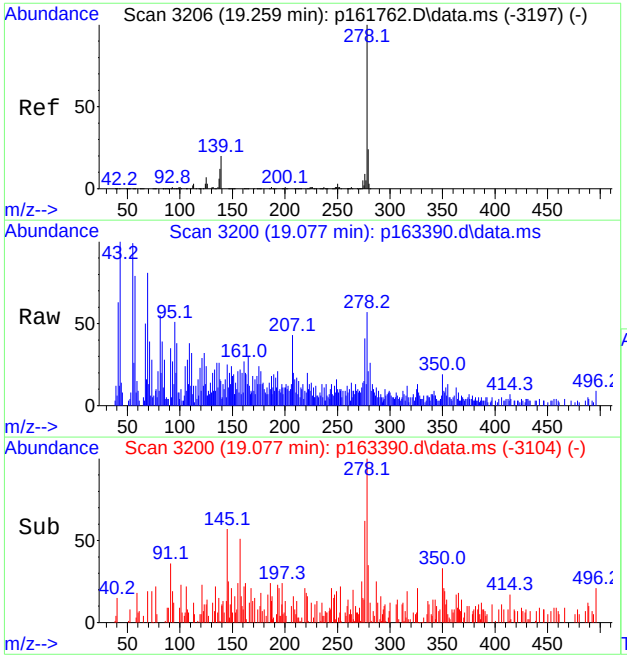


#97
Indeno[1,2,3-cd]pyrene
Concen: 2.5594 ppm
RT: 19.045 min Scan# 3194
Delta R.T. 0.011 min
Lab File: p163390.d
Acq: 4 Dec 2024 11:48 pm

Tgt Ion:276 Resp: 32455

Ion	Ratio	Lower	Upper
276	100		
138	20.2	0.0	44.6
137	17.4	0.0	45.0

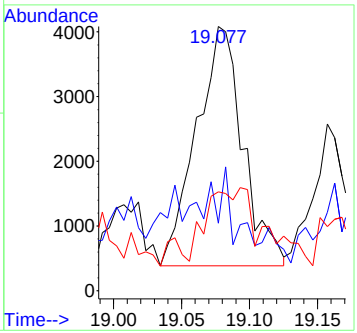


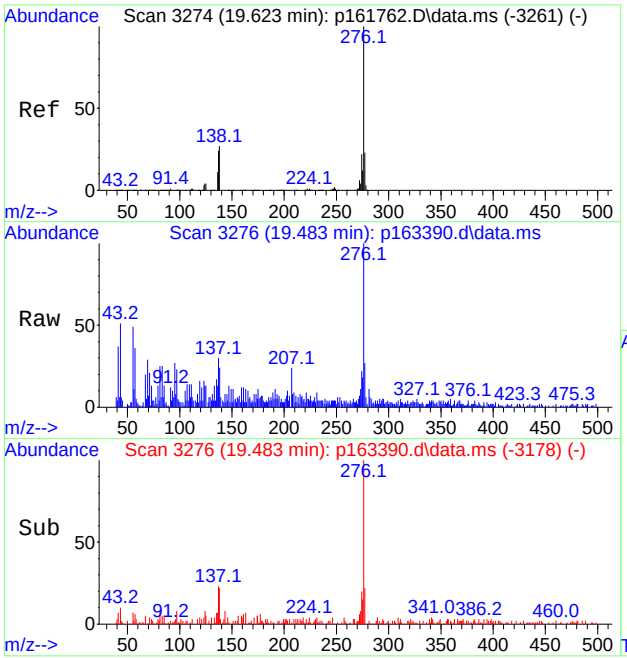


#99
Dibenz[a,h]anthracene
Concen: 0.7190 ppm
RT: 19.077 min Scan# 3200
Delta R.T. 0.011 min
Lab File: p163390.d
Acq: 4 Dec 2024 11:48 pm

Tgt Ion:278 Resp: 8830

Ion	Ratio	Lower	Upper
278	100		
139	3.4	0.0	46.6
279	25.1	0.0	54.9

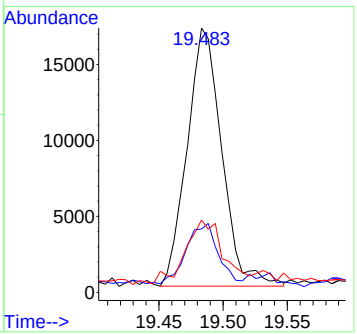




#101
Benzo[g,h,i]perylene
Concen: 2.5801 ppm
RT: 19.483 min Scan# 3276
Delta R.T. 0.021 min
Lab File: p163390.d
Acq: 4 Dec 2024 11:48 pm

Tgt Ion:276 Resp: 31982

Ion	Ratio	Lower	Upper
276	100		
138	20.9	0.0	52.1
277	20.3	0.0	55.6



Manual Integrations APPROVED (compounds with "m" flag)
Jon Kreigmor Mamanta 12/05/24 03:52

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\altheam\e6p4327\
Data File : 6p519296.d
Acq On : 4 Dec 2024 6:42 pm
Operator : anthonyo
Sample : je1300-45 Inst : GCMS6P
Misc : op59835,e6p4327,30.7,,,1,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 05 03:23:54 2024
Quant Method : X:\Dayton SVOA GCMS\altheam\method\M6P4256.M
Quant Title : Semi Volatile GC/MS,zb-5msplus30m x .25mm x .25um
QLast Update : Thu Dec 05 02:46:59 2024
Response via : Initial Calibration

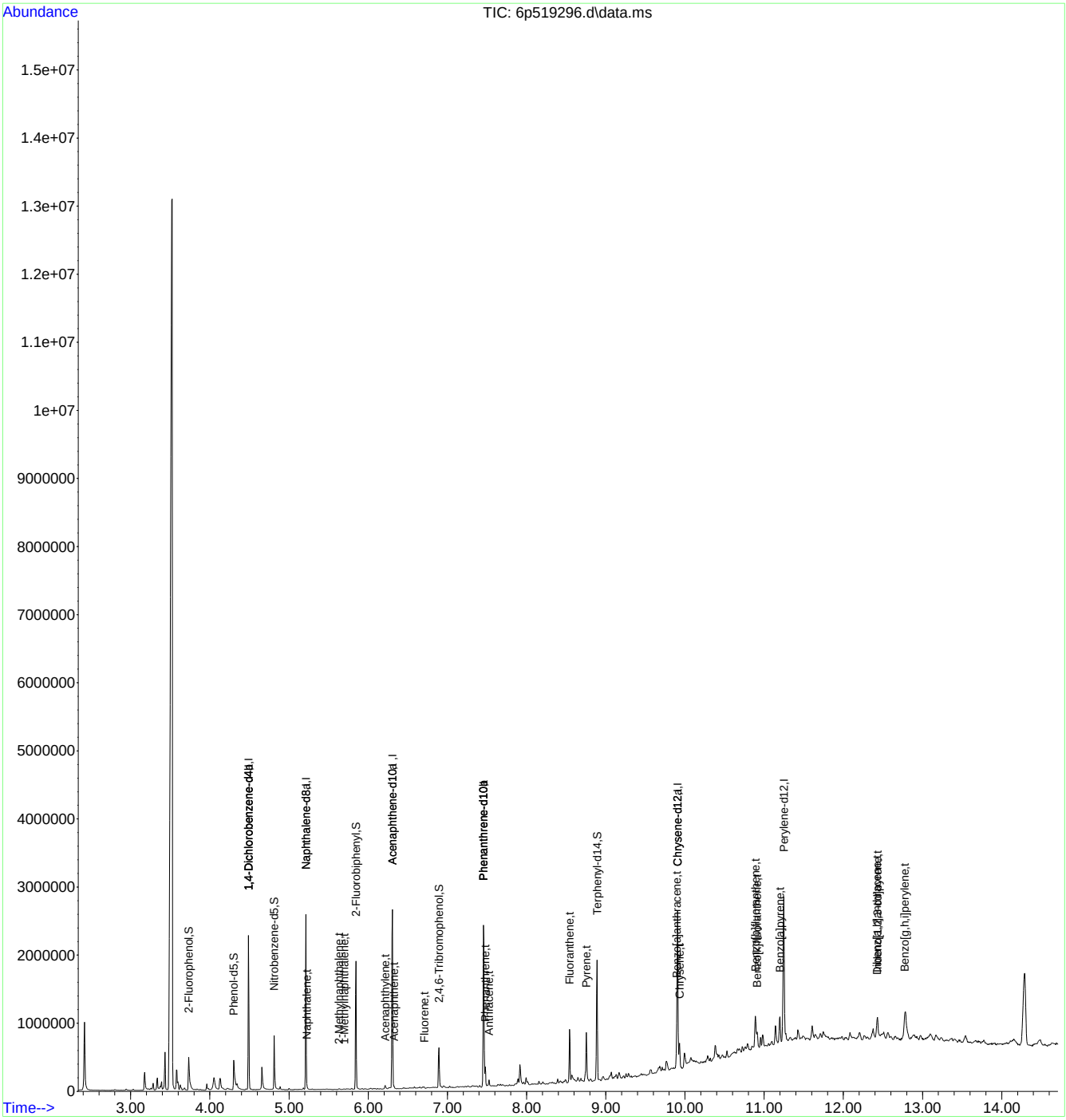
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.487	152	230809	40.00	ppm	0.00
24) Naphthalene-d8	5.214	136	860260	40.00	ppm	0.00
46) Acenaphthene-d10	6.305	164	466251	40.00	ppm	0.00
69) Phenanthrene-d10	7.455	188	783519	40.00	ppm	0.00
84) Chrysene-d12	9.905	240	720271	40.00	ppm	0.00
93) Perylene-d12	11.248	264	852825	40.00	ppm	0.00
103) 1,4-Dichlorobenzene-d4a	4.487	152	230809	40.00	ppm	0.00
105) Phenanthrene-d10a	7.455	188	783519	40.00	ppm	0.00
107) Naphthalene-d8a	5.214	136	860260	40.00	ppm	0.00
109) 1,4-Dichlorobenzene-d4b	4.487	152	230809	40.00	ppm	0.00
112) Acenaphthene-d10a	6.305	164	466251	40.00	ppm	0.00
114) Phenanthrene-d10b	7.455	188	783519	40.00	ppm	# 0.00
117) Chrysene-d12a	9.905	240	720271	40.00	ppm	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.733	112	155513	20.32	ppm	0.01
Spiked Amount 50.000			Recovery =	40.64%		
8) Phenol-d5	4.300	99	203270	20.15	ppm	0.00
Spiked Amount 50.000			Recovery =	40.30%		
25) Nitrobenzene-d5	4.813	82	213502	25.27	ppm	0.00
Spiked Amount 50.000			Recovery =	50.54%		
51) 2-Fluorobiphenyl	5.845	172	436586	28.68	ppm	0.00
Spiked Amount 50.000			Recovery =	57.36%		
74) 2,4,6-Tribromophenol	6.894	330	74385	32.14	ppm	0.00
Spiked Amount 50.000			Recovery =	64.28%		
87) Terphenyl-d14	8.889	244	524634	28.28	ppm	0.00
Spiked Amount 50.000			Recovery =	56.56%		
115) 1-chlorooctadecane	0.000	57	0d	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
116) o-terphenyl	0.000	230	0d	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
38) Naphthalene	5.225	128	5307	0.2368	ppm	96
44) 2-Methylnaphthalene	5.632	141	2004	0.1532	ppm	89
45) 1-Methylnaphthalene	5.696	141	1742	0.1390	ppm	96
56) Acenaphthylene	6.215	152	21236	1.2164	ppm	99
59) Acenaphthene	6.327	153	6110	0.4198	ppm	97
66) Fluorene	6.707	166	6604	0.4252	ppm	85
78) Phenanthrene	7.477	178	94200	4.5241	ppm	97
79) Anthracene	7.525	178	38123	1.8345	ppm	96
82) Fluoranthene	8.541	202	278114	12.2613	ppm	99
86) Pyrene	8.755	202	262774	10.8303	ppm	99
89) Benzo[a]anthracene	9.894	228	152705	6.3511	ppm	97
91) Chrysene	9.932	228	139752	6.1127	ppm	99
95) Benzo[b]fluoranthene	10.889	252	242560m	9.1495	ppm	
96) Benzo[k]fluoranthene	10.911	252	64365m	2.6931	ppm	
97) Benzo[a]pyrene	11.199	252	168207	7.9643	ppm	99
98) Indeno[1,2,3-cd]pyrene	12.430	276	137750	4.7221	ppm	89
100) Dibenz[a,h]anthracene	12.424	278	38734	1.6215	ppm	89
102) Benzo[g,h,i]perylene	12.772	276	137980	6.1656	ppm	94

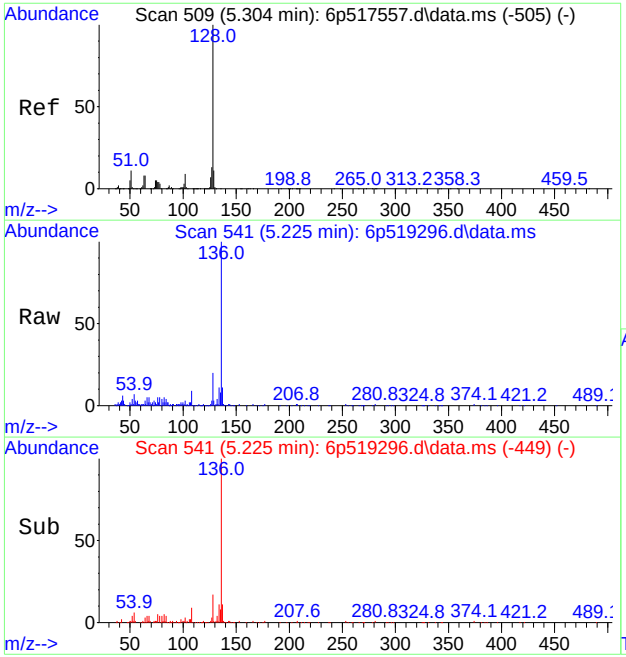
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\altheam\e6p4327\
Data File : 6p519296.d
Acq On : 4 Dec 2024 6:42 pm
Operator : anthonyo
Sample : je1300-45 Inst : GCMS6P
Misc : op59835,e6p4327,30.7,,,1,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 05 03:23:54 2024
Quant Method : X:\Dayton SVOA GCMS\altheam\method\M6P4256.M
Quant Title : Semi Volatile GC/MS,zb-5msplus30m x .25mm x .25um
QLast Update : Thu Dec 05 02:46:59 2024
Response via : Initial Calibration

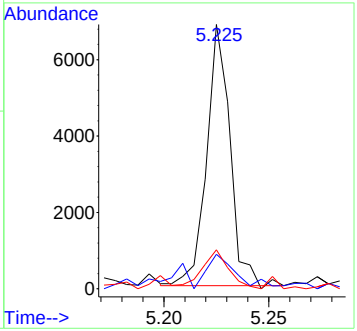


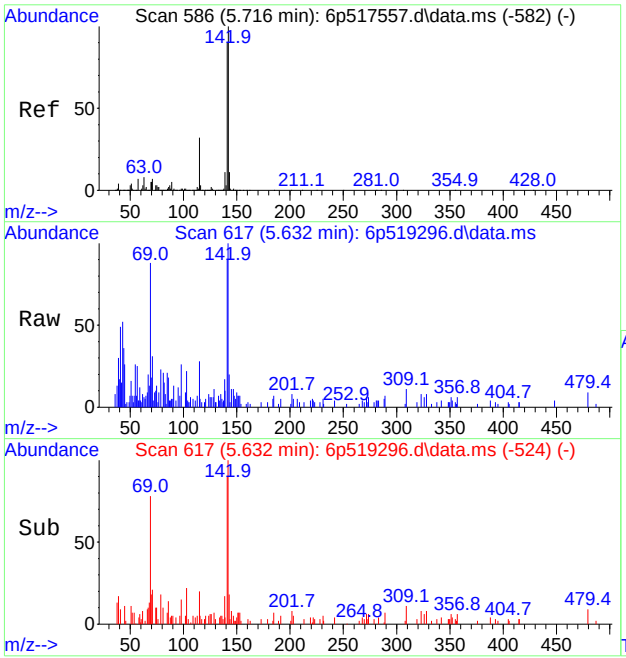


#38
Naphthalene
Concen: 0.2368 ppm
RT: 5.225 min Scan# 541
Delta R.T. -0.005 min
Lab File: 6p519296.d
Acq: 4 Dec 2024 6:42 pm

Tgt Ion:128 Resp: 5307

Ion	Ratio	Lower	Upper
128	100		
129	12.6	0.0	40.5
127	11.9	0.0	43.3

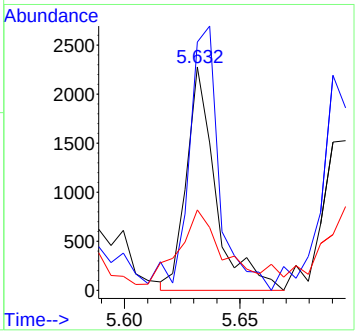


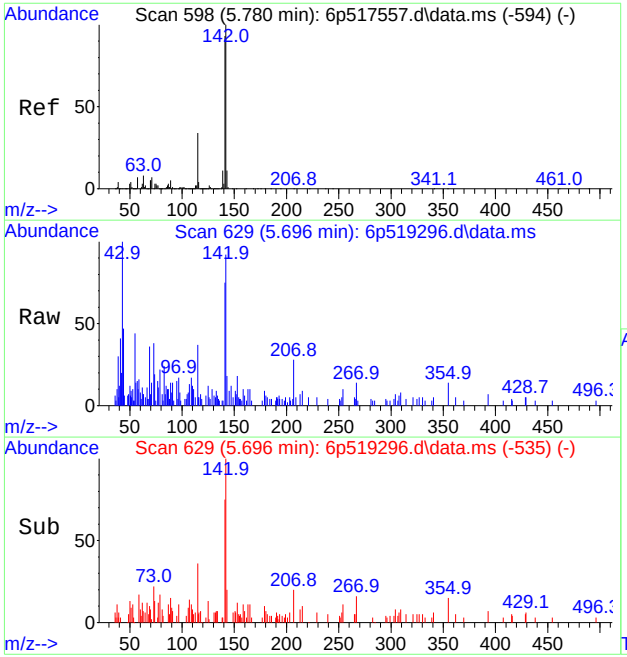


#44
2-Methylnaphthalene
Concen: 0.1532 ppm
RT: 5.632 min Scan# 617
Delta R.T. 0.000 min
Lab File: 6p519296.d
Acq: 4 Dec 2024 6:42 pm

Tgt Ion:141 Resp: 2004

Ion	Ratio	Lower	Upper
141	100		
142	105.6	85.6	145.6
115	28.6	9.2	69.2

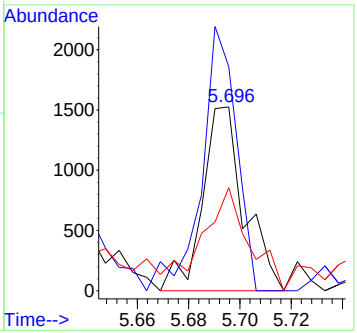


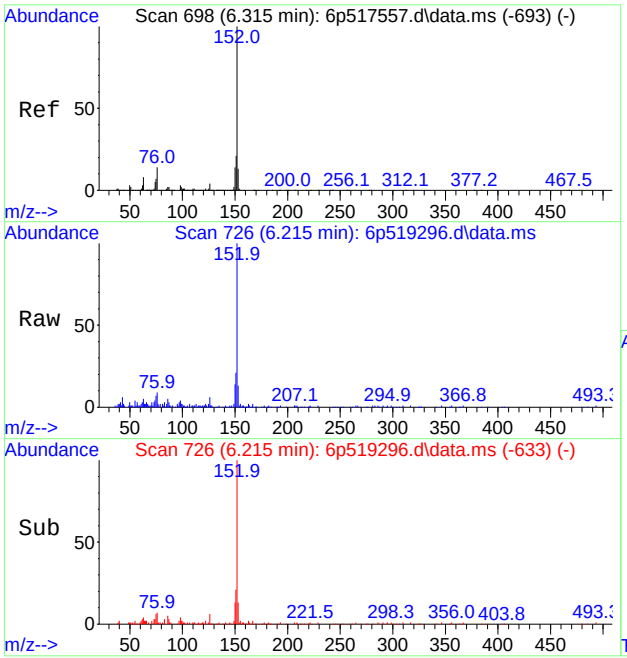


#45
1-Methylnaphthalene
Concen: 0.1390 ppm
RT: 5.696 min Scan# 629
Delta R.T. 0.005 min
Lab File: 6p519296.d
Acq: 4 Dec 2024 6:42 pm

Tgt Ion:141 Resp: 1742

Ion	Ratio	Lower	Upper
141	100		
142	113.9	83.8	143.8
115	48.4	9.6	69.6

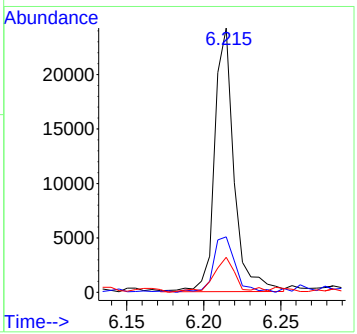


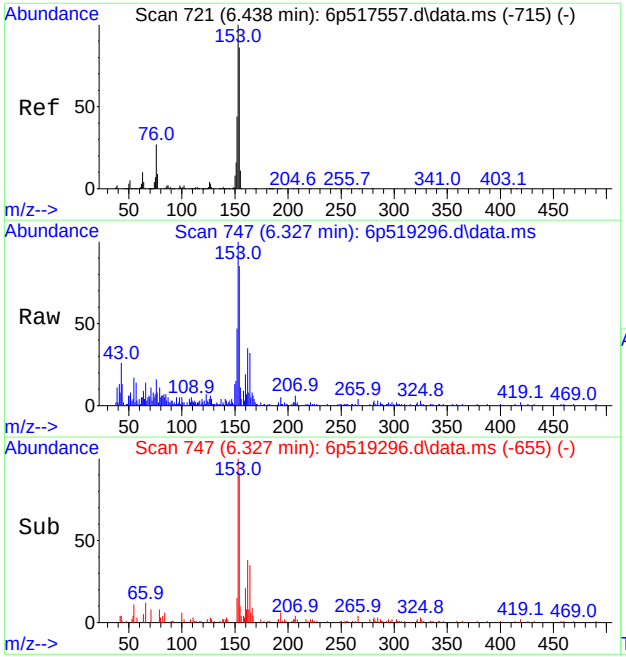


#56
Acenaphthylene
Concen: 1.2164 ppm
RT: 6.215 min Scan# 726
Delta R.T. 0.000 min
Lab File: 6p519296.d
Acq: 4 Dec 2024 6:42 pm

Tgt Ion:152 Resp: 21236

Ion	Ratio	Lower	Upper
152	100		
151	20.4	0.0	50.2
153	11.9	0.0	42.9

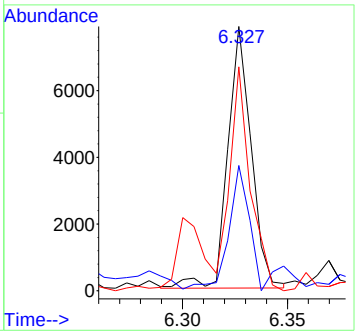


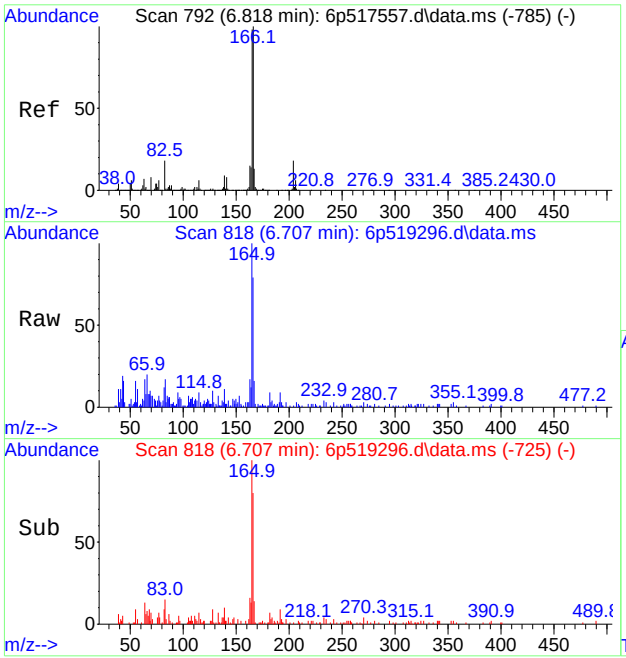


#59
Acenaphthene
Concen: 0.4198 ppm
RT: 6.327 min Scan# 747
Delta R.T. -0.005 min
Lab File: 6p519296.d
Acq: 4 Dec 2024 6:42 pm

Tgt Ion:153 Resp: 6110

Ion	Ratio	Lower	Upper
153	100		
152	40.0	14.8	74.8
154	85.9	54.8	114.8

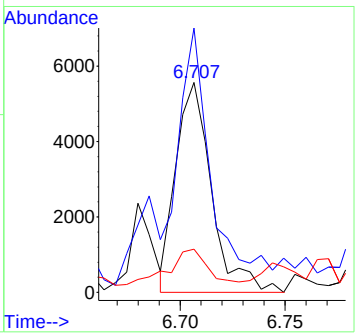


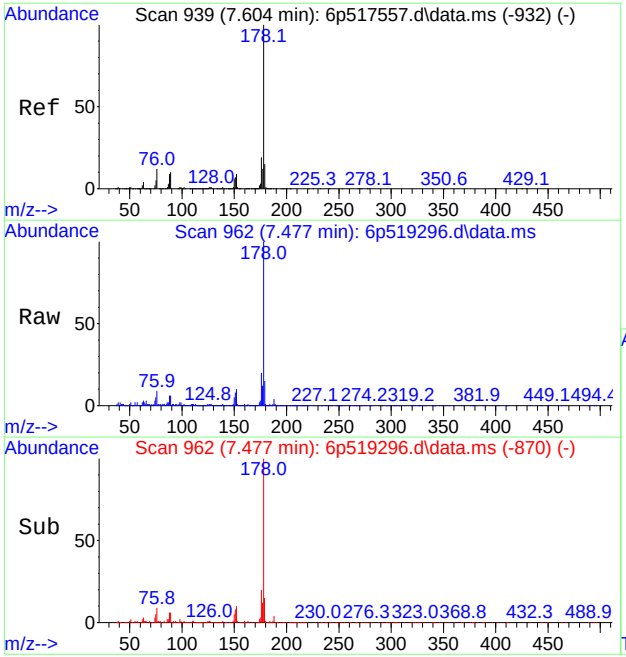


#66
Fluorene
Concen: 0.4252 ppm
RT: 6.707 min Scan# 818
Delta R.T. -0.000 min
Lab File: 6p519296.d
Acq: 4 Dec 2024 6:42 pm

Tgt Ion:166 Resp: 6604

Ion	Ratio	Lower	Upper
166	100		
165	110.8	65.6	125.6
167	9.9	0.0	43.1

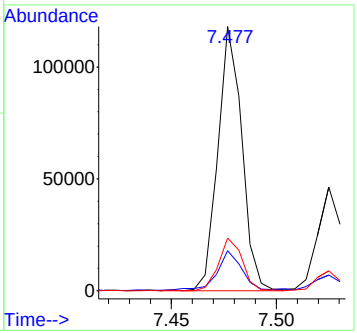


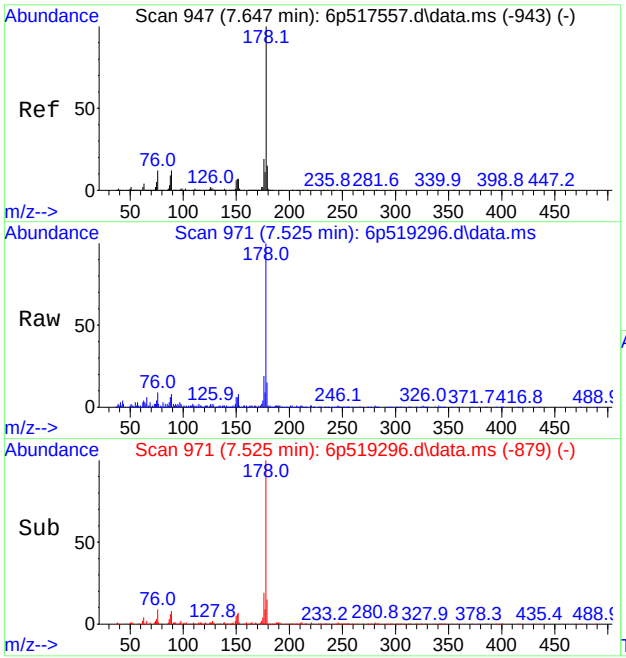


#78
Phenanthrene
Concen: 4.5241 ppm
RT: 7.477 min Scan# 962
Delta R.T. -0.005 min
Lab File: 6p519296.d
Acq: 4 Dec 2024 6:42 pm

Tgt Ion:178 Resp: 94200

Ion	Ratio	Lower	Upper
178	100		
179	14.7	0.0	44.6
176	20.0	0.0	47.5

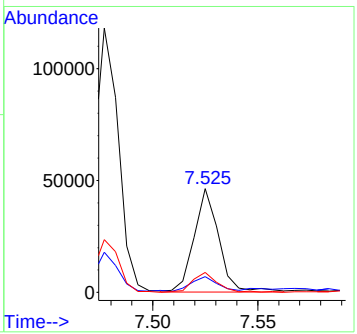


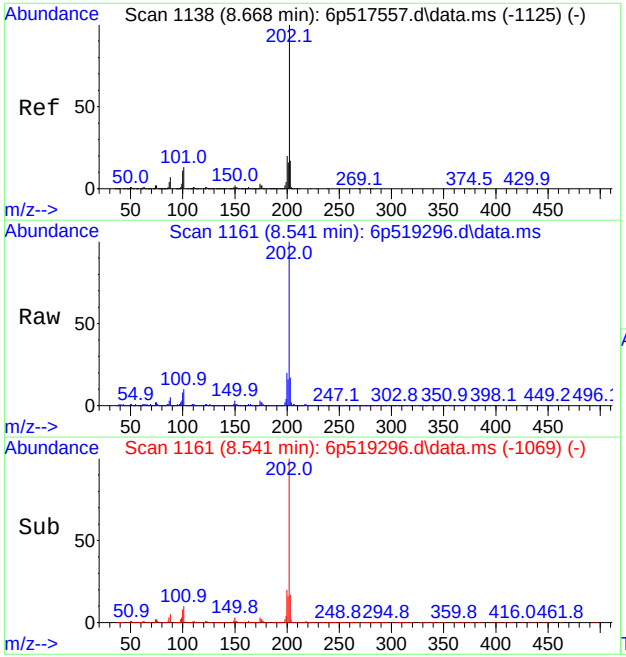


#79
Anthracene
Concen: 1.8345 ppm
RT: 7.525 min Scan# 971
Delta R.T. -0.005 min
Lab File: 6p519296.d
Acq: 4 Dec 2024 6:42 pm

Tgt Ion:178 Resp: 38123

Ion	Ratio	Lower	Upper
178	100		
179	12.6	0.0	44.5
176	19.4	0.0	47.7

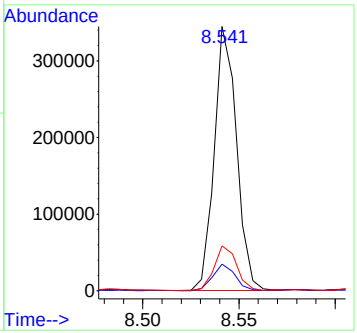


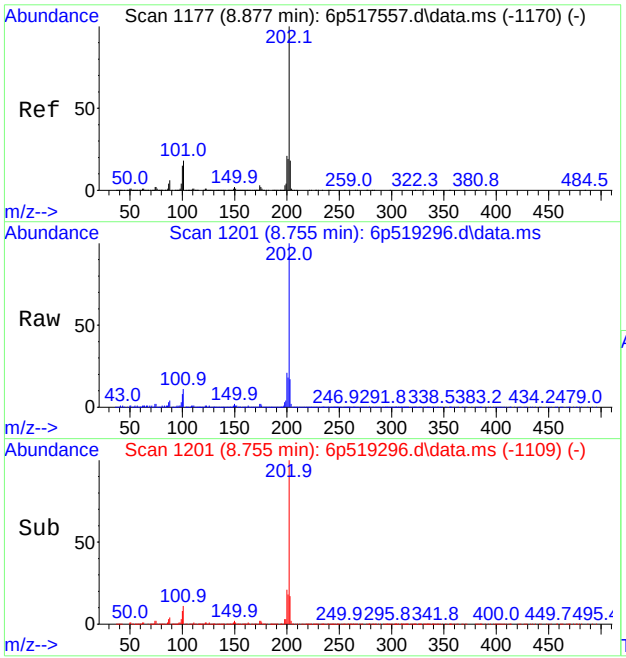


#82
Fluoranthene
Concen: 12.2613 ppm
RT: 8.541 min Scan# 1161
Delta R.T. -0.005 min
Lab File: 6p519296.d
Acq: 4 Dec 2024 6:42 pm

Tgt Ion:202 Resp: 278114

Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	40.5
203	16.7	0.0	47.1

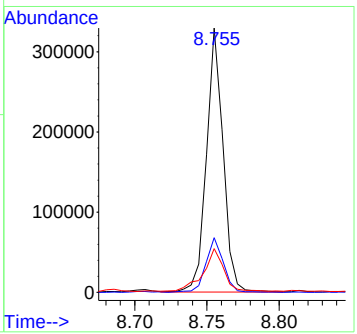


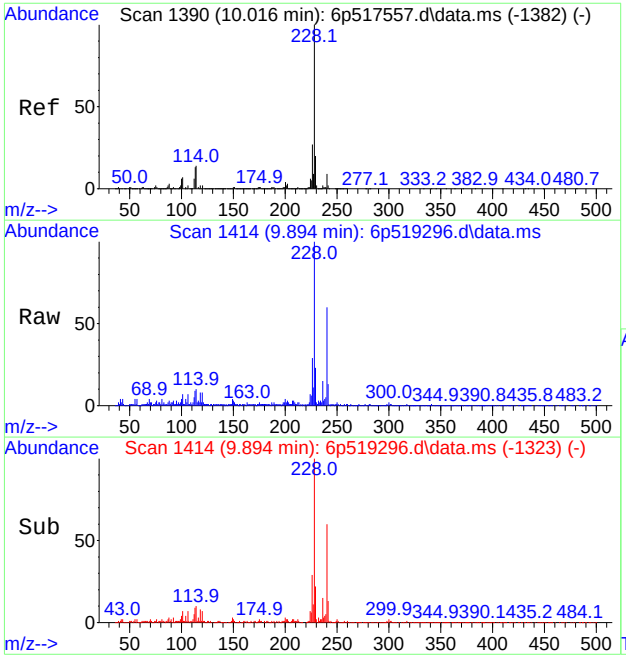


#86
Pyrene
Concen: 10.8303 ppm
RT: 8.755 min Scan# 1201
Delta R.T. -0.005 min
Lab File: 6p519296.d
Acq: 4 Dec 2024 6:42 pm

Tgt Ion:202 Resp: 262774

Ion	Ratio	Lower	Upper
202	100		
200	20.6	0.0	51.0
203	16.1	0.0	47.0

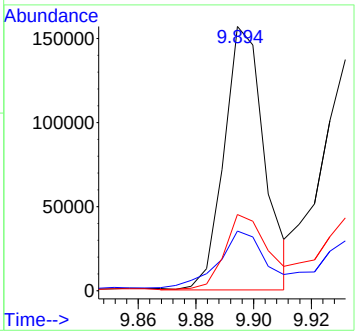


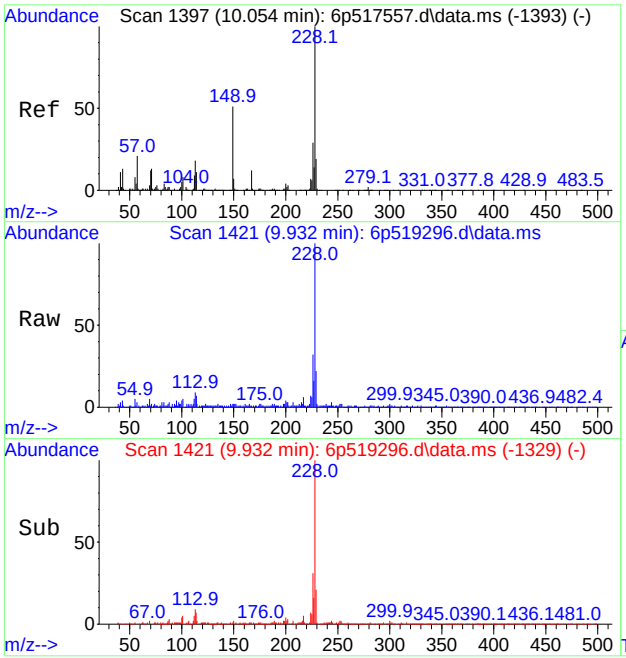


#89
Benzo[a]anthracene
Concen: 6.3511 ppm
RT: 9.894 min Scan# 1414
Delta R.T. -0.011 min
Lab File: 6p519296.d
Acq: 4 Dec 2024 6:42 pm

Tgt Ion:228 Resp: 152705

Ion	Ratio	Lower	Upper
228	100		
229	21.0	0.0	49.3
226	26.7	0.0	55.9

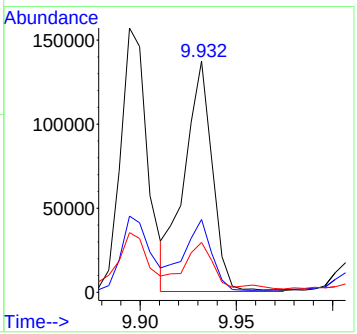


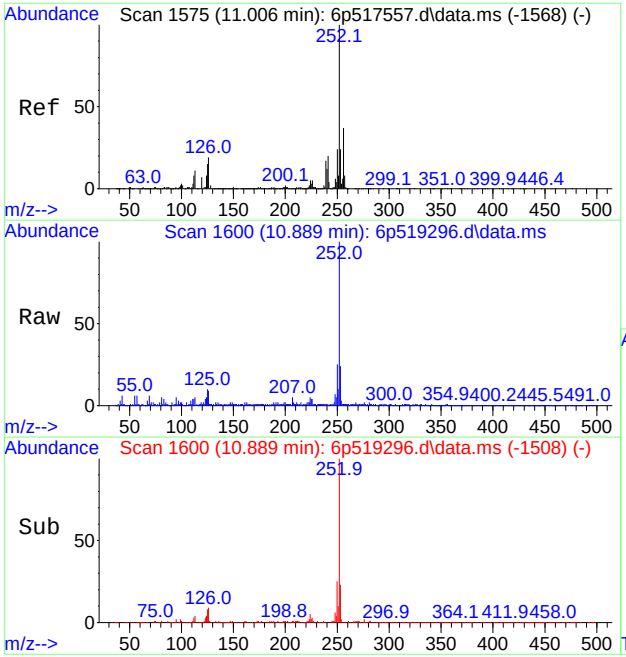


#91
Chrysene
Concen: 6.1127 ppm
RT: 9.932 min Scan# 1421
Delta R.T. -0.005 min
Lab File: 6p519296.d
Acq: 4 Dec 2024 6:42 pm

Tgt Ion:228 Resp: 139752

Ion	Ratio	Lower	Upper
228	100		
226	28.9	0.0	58.7
229	19.5	0.0	49.9

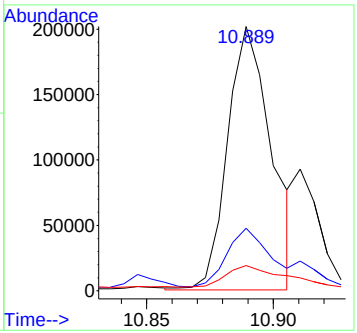


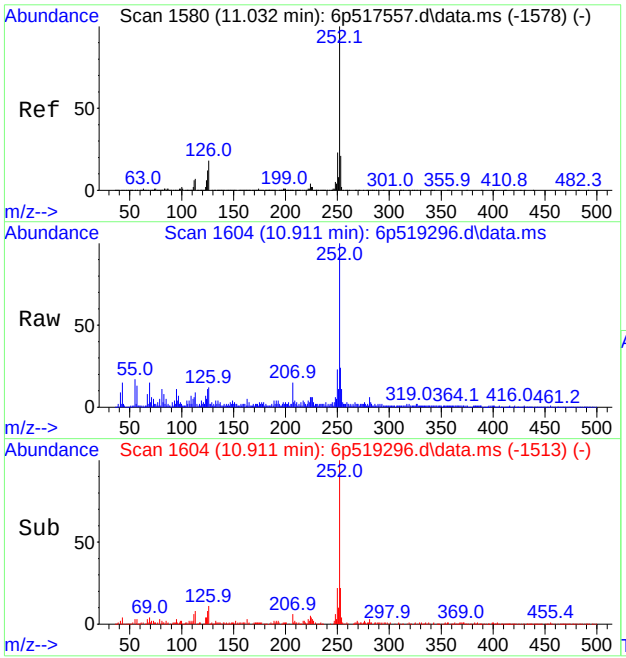


#95
Benzo[b]fluoranthene
Concen: 9.1495 ppm m
RT: 10.889 min Scan# 1600
Delta R.T. -0.005 min
Lab File: 6p519296.d
Acq: 4 Dec 2024 6:42 pm

Tgt Ion:252 Resp: 242560

Ion	Ratio	Lower	Upper
252	100		
253	23.6	0.0	51.9
125	9.6	0.0	39.9

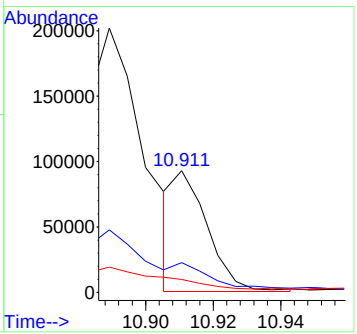


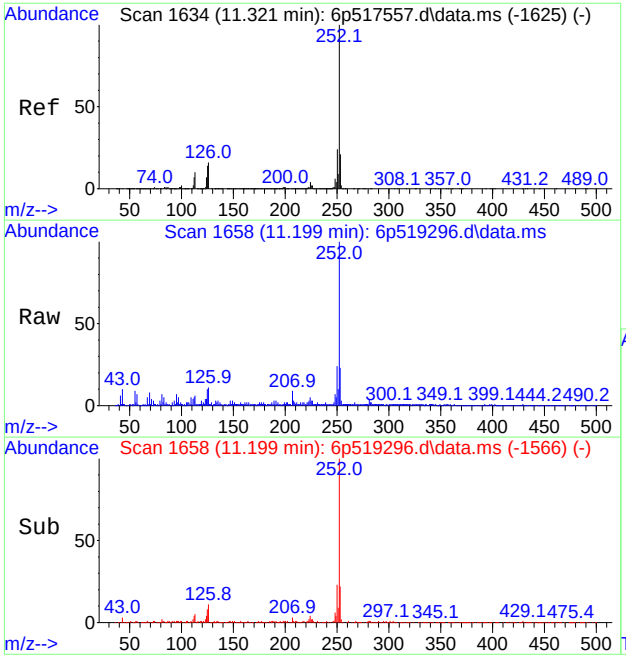


#96
Benzo[k]fluoranthene
Concen: 2.6931 ppm m
RT: 10.911 min Scan# 1604
Delta R.T. -0.011 min
Lab File: 6p519296.d
Acq: 4 Dec 2024 6:42 pm

Tgt Ion:252 Resp: 64365

Ion	Ratio	Lower	Upper
252	100		
253	24.4	0.0	51.2
125	10.7	0.0	38.0

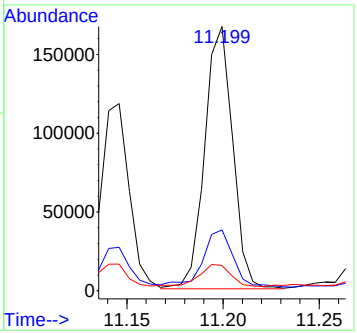


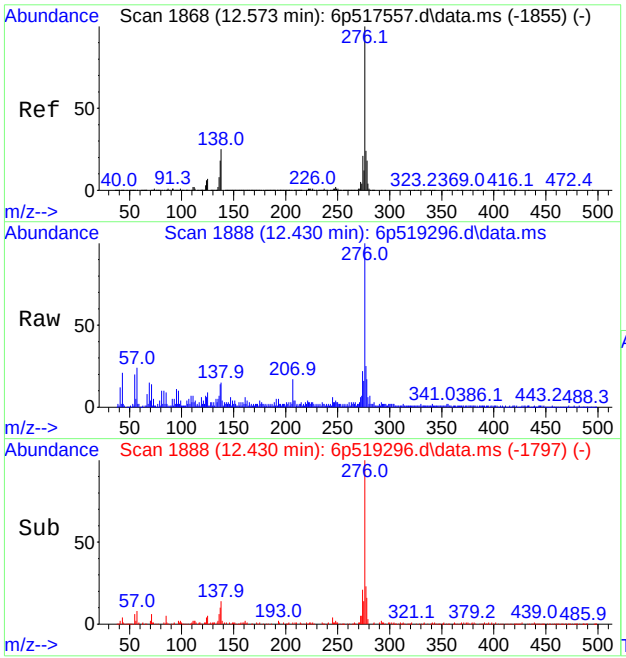


#97
Benzo[a]pyrene
Concen: 7.9643 ppm
RT: 11.199 min Scan# 1658
Delta R.T. -0.005 min
Lab File: 6p519296.d
Acq: 4 Dec 2024 6:42 pm

Tgt Ion:252 Resp: 168207

Ion	Ratio	Lower	Upper
252	100		
253	21.4	0.0	51.3
125	7.6	0.0	38.3

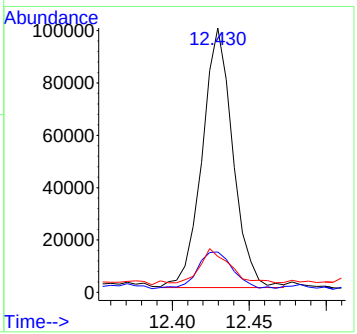


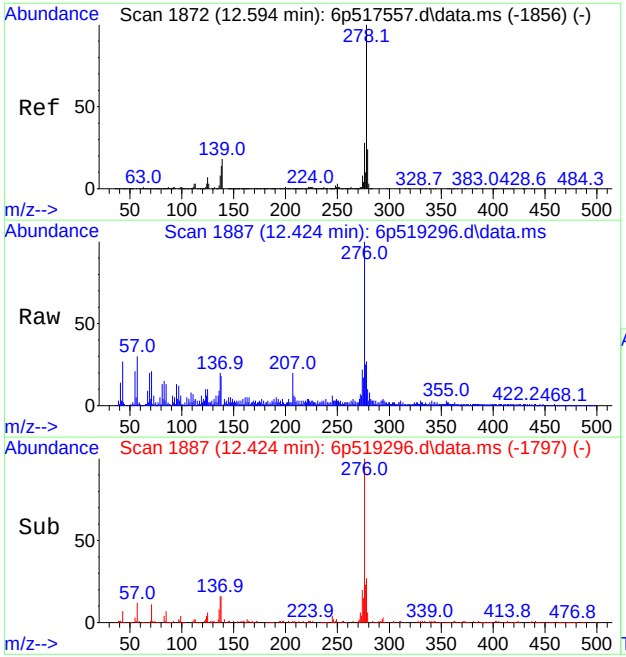


#98
Indeno[1,2,3-cd]pyrene
Concen: 4.7221 ppm
RT: 12.430 min Scan# 1888
Delta R.T. -0.011 min
Lab File: 6p519296.d
Acq: 4 Dec 2024 6:42 pm

Tgt Ion:276 Resp: 137750

Ion	Ratio	Lower	Upper
276	100		
138	13.6	0.0	48.9
137	9.8	0.0	43.6

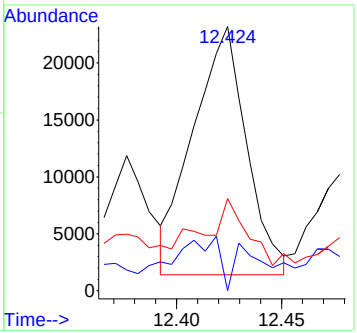


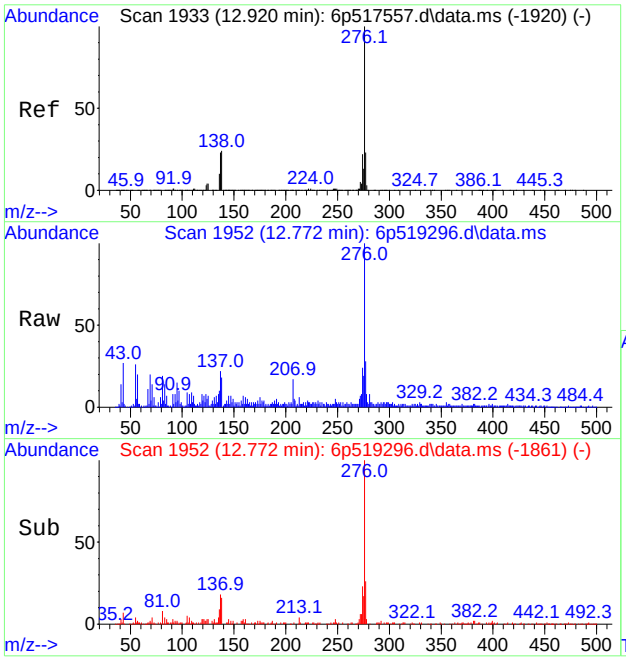


#100
Dibenz[a,h]anthracene
Concen: 1.6215 ppm
RT: 12.424 min Scan# 1887
Delta R.T. -0.016 min
Lab File: 6p519296.d
Acq: 4 Dec 2024 6:42 pm

Tgt Ion:278 Resp: 38734

Ion	Ratio	Lower	Upper
278	100		
139	0.0	0.0	40.8
279	23.7	0.0	52.4

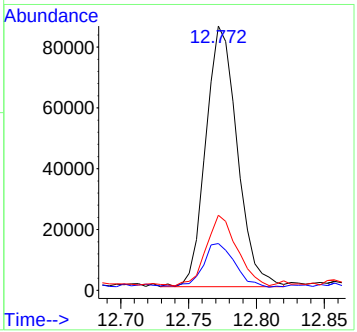




#102
Benzo[g,h,i]perylene
Concen: 6.1656 ppm
RT: 12.772 min Scan# 1952
Delta R.T. -0.011 min
Lab File: 6p519296.d
Acq: 4 Dec 2024 6:42 pm

Tgt Ion:276 Resp: 137980

Ion	Ratio	Lower	Upper
276	100		
138	16.5	0.0	44.6
277	26.0	0.0	52.7



Manual Integrations APPROVED (compounds with "m" flag)
Jon Kreigmor Mamanta 12/05/24 03:52

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\altheam\e6p4327\
Data File : 6p519297.d
Acq On : 4 Dec 2024 7:03 pm
Operator : anthonyo
Sample : je1300-47 Inst : GCMS6P
Misc : op59835,e6p4327,30.6,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 05 03:26:50 2024
Quant Method : X:\Dayton SVOA GCMS\altheam\method\M6P4256.M
Quant Title : Semi Volatile GC/MS,zb-5msplus30m x .25mm x .25um
QLast Update : Thu Dec 05 02:46:59 2024
Response via : Initial Calibration

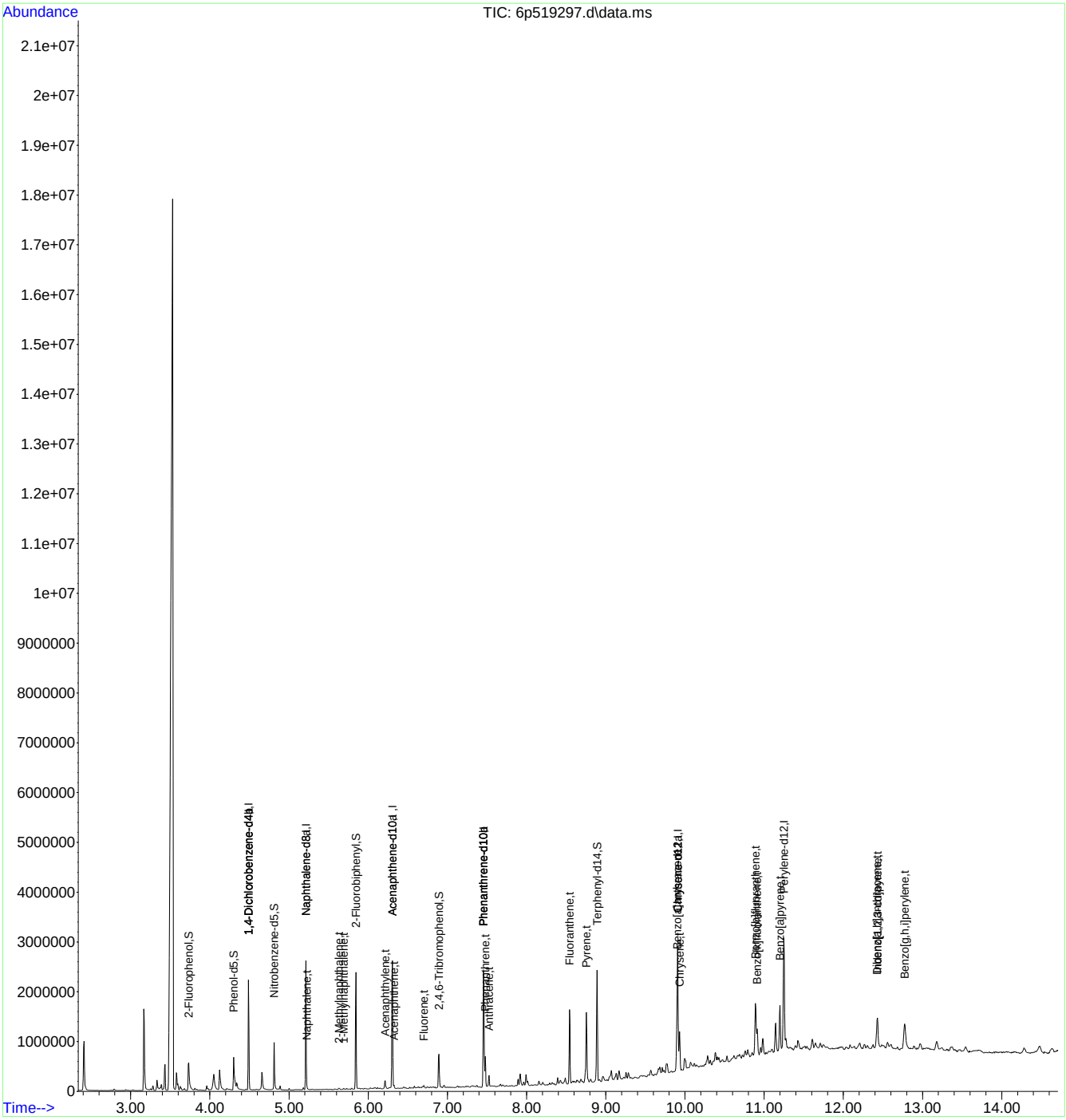
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.487	152	229858	40.00	ppm	0.00
24) Naphthalene-d8	5.215	136	854029	40.00	ppm	0.00
46) Acenaphthene-d10	6.306	164	460582	40.00	ppm	0.00
69) Phenanthrene-d10	7.456	188	775725	40.00	ppm	0.00
84) Chrysene-d12	9.911	240	734253	40.00	ppm	0.00
93) Perylene-d12	11.248	264	908692	40.00	ppm	0.00
103) 1,4-Dichlorobenzene-d4a	4.487	152	229858	40.00	ppm	0.00
105) Phenanthrene-d10a	7.456	188	775725	40.00	ppm	0.00
107) Naphthalene-d8a	5.215	136	854029	40.00	ppm	0.00
109) 1,4-Dichlorobenzene-d4b	4.487	152	229858	40.00	ppm	0.00
112) Acenaphthene-d10a	6.306	164	460582	40.00	ppm	0.00
114) Phenanthrene-d10b	7.456	188	775725	40.00	ppm	0.00
117) Chrysene-d12a	9.911	240	734253	40.00	ppm	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.733	112	182301	23.92	ppm	0.01
Spiked Amount 50.000			Recovery =	47.84%		
8) Phenol-d5	4.300	99	250657	24.95	ppm	0.00
Spiked Amount 50.000			Recovery =	49.90%		
25) Nitrobenzene-d5	4.813	82	255358	30.44	ppm	0.00
Spiked Amount 50.000			Recovery =	60.88%		
51) 2-Fluorobiphenyl	5.846	172	537682	35.75	ppm	0.00
Spiked Amount 50.000			Recovery =	71.50%		
74) 2,4,6-Tribromophenol	6.894	330	88686	38.71	ppm	0.00
Spiked Amount 50.000			Recovery =	77.42%		
87) Terphenyl-d14	8.889	244	652285	34.49	ppm	0.00
Spiked Amount 50.000			Recovery =	68.98%		
115) 1-chlorooctadecane	0.000	57	0d	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
116) o-terphenyl	0.000	230	0d	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
38) Naphthalene	5.225	128	10348	0.4651	ppm	83
44) 2-Methylnaphthalene	5.632	141	4726	0.3640	ppm	91
45) 1-Methylnaphthalene	5.691	141	4183	0.3362	ppm	84
56) Acenaphthylene	6.215	152	63211	3.6653	ppm	95
59) Acenaphthene	6.327	153	12213	0.8494	ppm	98
66) Fluorene	6.701	166	15852m	1.0331	ppm	
78) Phenanthrene	7.477	178	197788	9.5944	ppm	99
79) Anthracene	7.525	178	88056	4.2798	ppm	98
82) Fluoranthene	8.541	202	534011	23.7797	ppm	99
86) Pyrene	8.755	202	525863	21.2610	ppm	99
89) Benzo[a]anthracene	9.900	228	302735m	12.3512	ppm	
91) Chrysene	9.932	228	279904m	12.0097	ppm	
95) Benzo[b]fluoranthene	10.889	252	511638m	18.1127	ppm	
96) Benzo[k]fluoranthene	10.911	252	136388m	5.3558	ppm	
97) Benzo[a]pyrene	11.200	252	371089	16.4901	ppm	99
98) Indeno[1,2,3-cd]pyrene	12.430	276	291388	9.3747	ppm	96
100) Dibenz[a,h]anthracene	12.425	278	76377	3.0007	ppm	94
102) Benzo[g,h,i]perylene	12.772	276	288682	12.1066	ppm	94

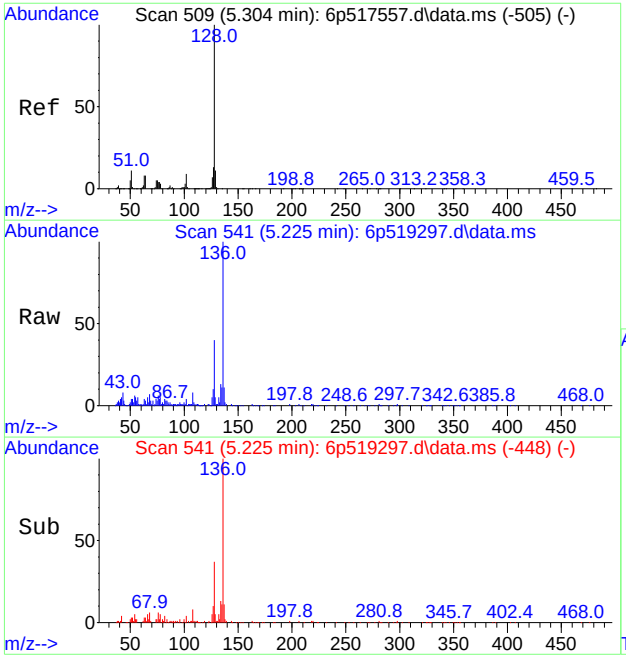
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\altheam\e6p4327\
Data File : 6p519297.d
Acq On : 4 Dec 2024 7:03 pm
Operator : anthonyo
Sample : je1300-47 Inst : GCMS6P
Misc : op59835,e6p4327,30.6,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 05 03:26:50 2024
Quant Method : X:\Dayton SVOA GCMS\altheam\method\M6P4256.M
Quant Title : Semi Volatile GC/MS,zb-5msplus30m x .25mm x .25um
QLast Update : Thu Dec 05 02:46:59 2024
Response via : Initial Calibration

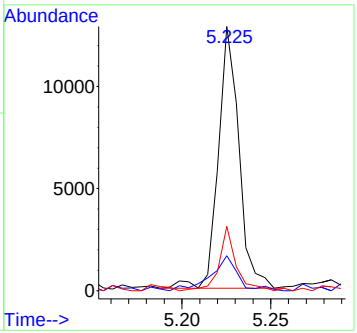


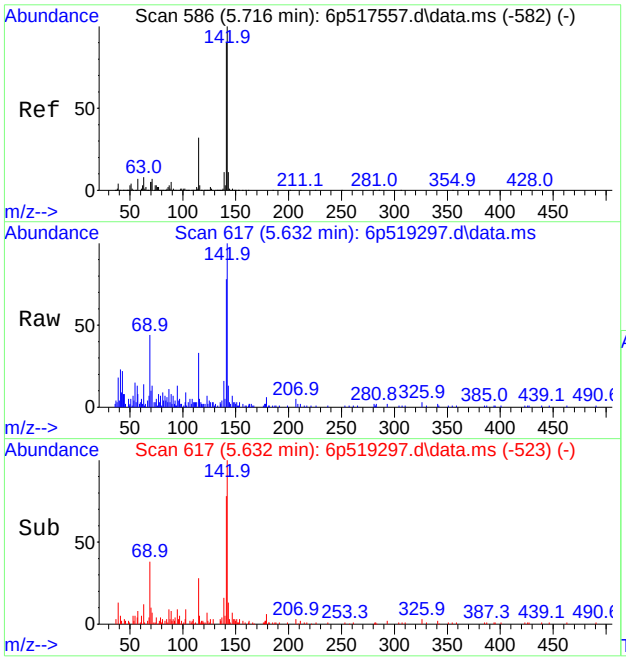


#38
Naphthalene
Concen: 0.4651 ppm
RT: 5.225 min Scan# 541
Delta R.T. -0.005 min
Lab File: 6p519297.d
Acq: 4 Dec 2024 7:03 pm

Tgt Ion:128 Resp: 10348

Ion	Ratio	Lower	Upper
128	100		
129	13.1	0.0	40.5
127	23.4	0.0	43.3

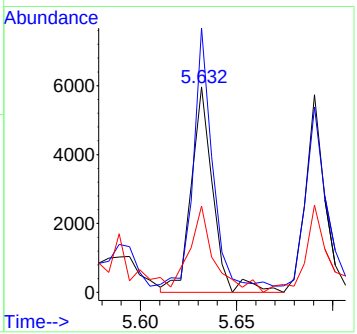


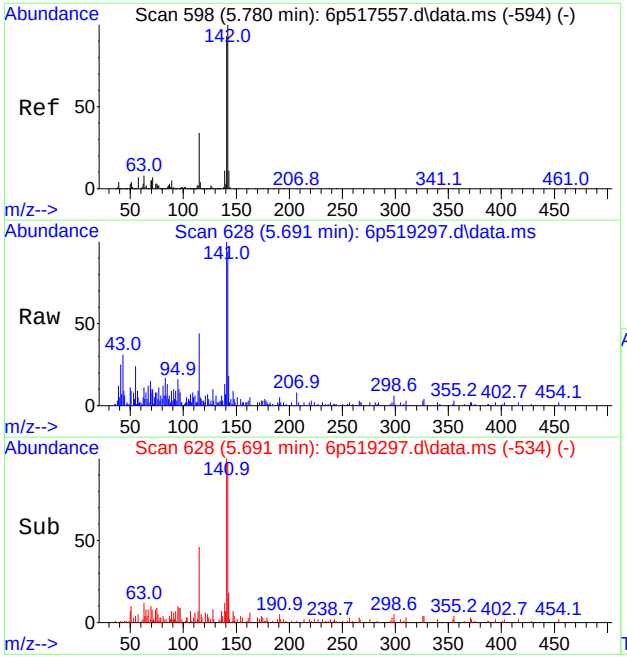


#44
2-Methylnaphthalene
Concen: 0.3640 ppm
RT: 5.632 min Scan# 617
Delta R.T. 0.000 min
Lab File: 6p519297.d
Acq: 4 Dec 2024 7:03 pm

Tgt Ion:141 Resp: 4726

Ion	Ratio	Lower	Upper
141	100		
142	126.7	85.6	145.6
115	36.8	9.2	69.2

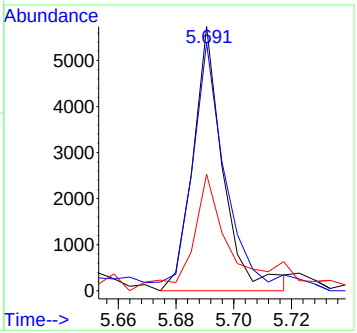


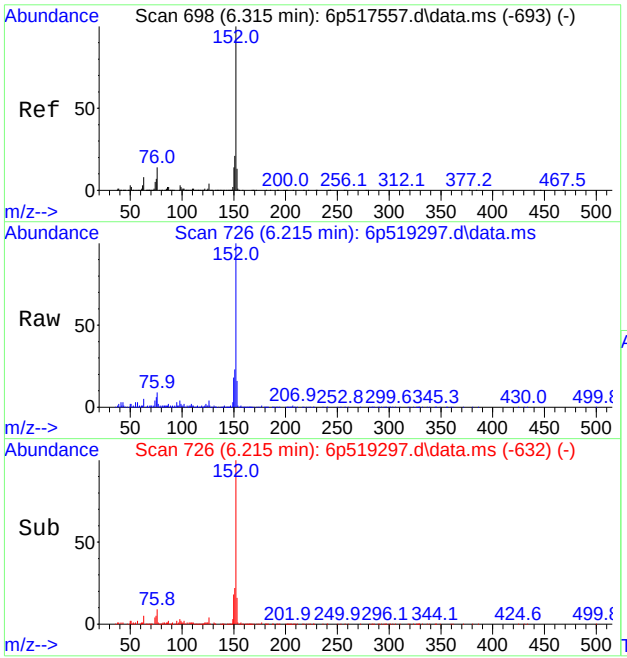


#45
1-Methylnaphthalene
Concen: 0.3362 ppm
RT: 5.691 min Scan# 628
Delta R.T. 0.000 min
Lab File: 6p519297.d
Acq: 4 Dec 2024 7:03 pm

Tgt Ion:141 Resp: 4183

Ion	Ratio	Lower	Upper
141	100		
142	91.7	83.8	143.8
115	37.7	9.6	69.6

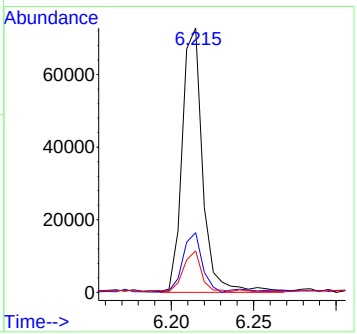


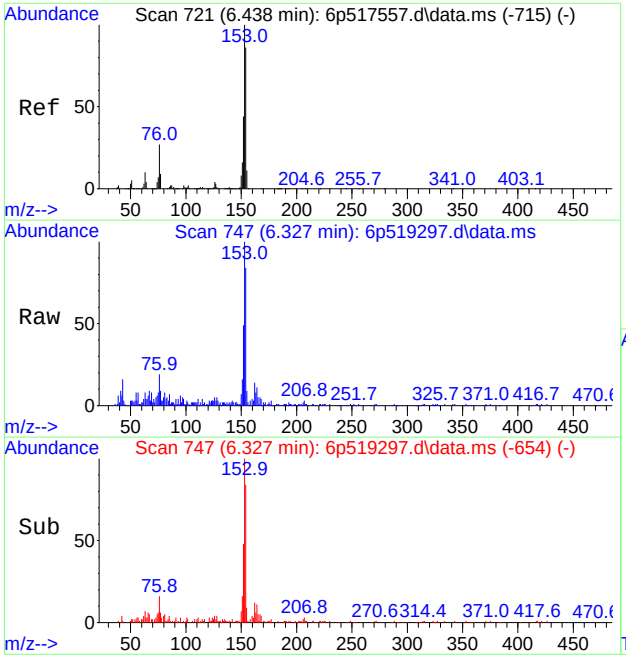


#56
Acenaphthylene
Concen: 3.6653 ppm
RT: 6.215 min Scan# 726
Delta R.T. 0.000 min
Lab File: 6p519297.d
Acq: 4 Dec 2024 7:03 pm

Tgt Ion:152 Resp: 63211

Ion	Ratio	Lower	Upper
152	100		
151	22.2	0.0	50.2
153	15.2	0.0	42.9

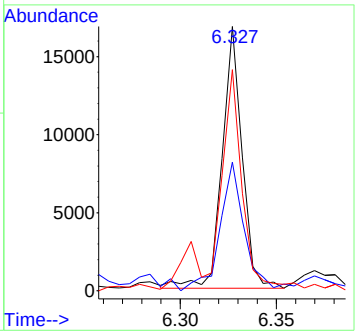


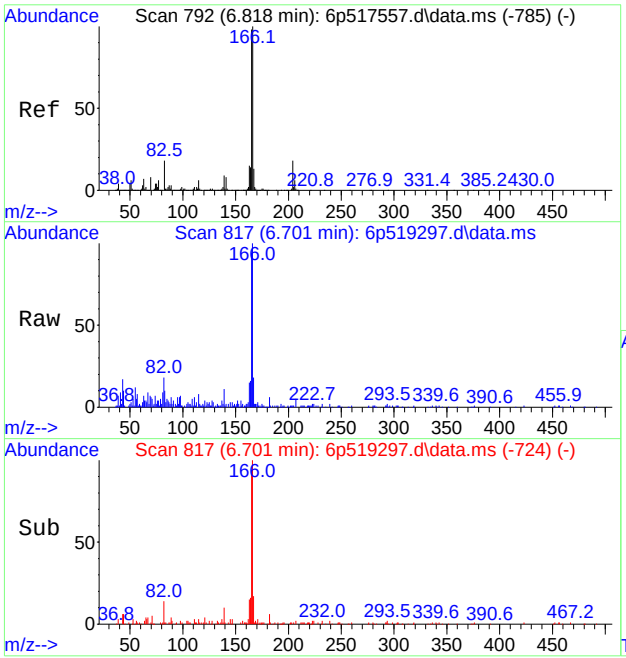


#59
Acenaphthene
Concen: 0.8494 ppm
RT: 6.327 min Scan# 747
Delta R.T. -0.005 min
Lab File: 6p519297.d
Acq: 4 Dec 2024 7:03 pm

Tgt Ion:153 Resp: 12213

Ion	Ratio	Lower	Upper
153	100		
152	47.2	14.8	74.8
154	83.3	54.8	114.8

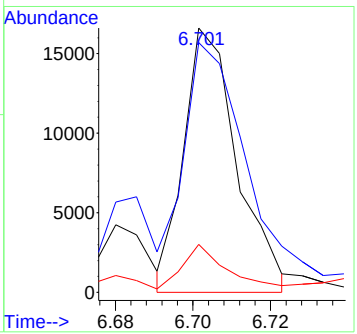


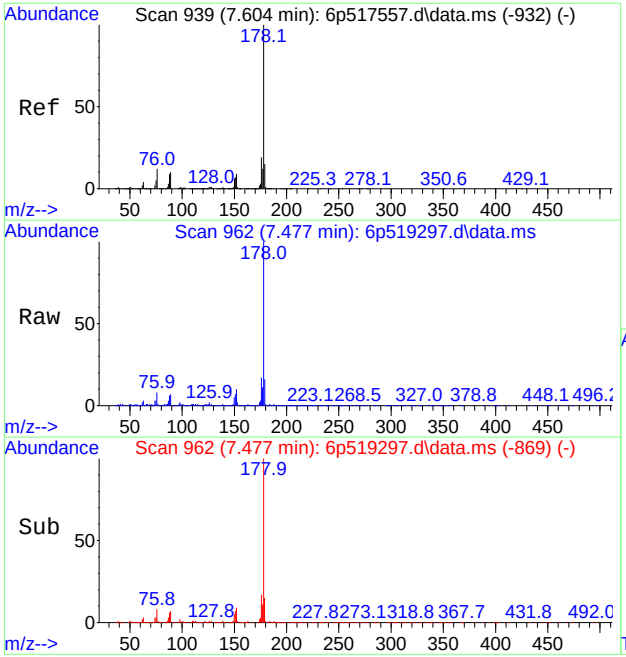


#66
Fluorene
Concen: 1.0331 ppm m
RT: 6.701 min Scan# 817
Delta R.T. -0.005 min
Lab File: 6p519297.d
Acq: 4 Dec 2024 7:03 pm

Tgt Ion:166 Resp: 15852

Ion	Ratio	Lower	Upper
166	100		
165	94.5	65.6	125.6
167	18.1	0.0	43.1

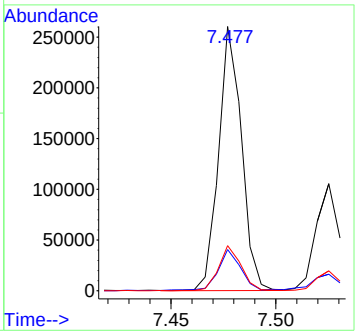


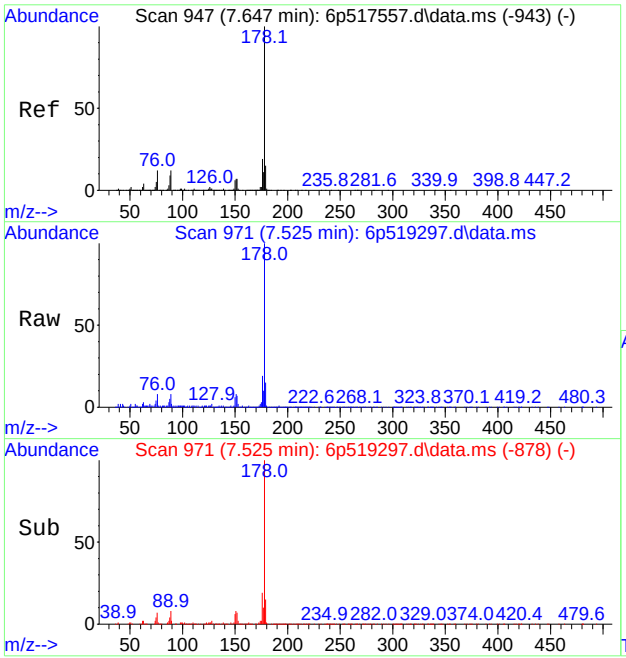


#78
Phenanthrene
Concen: 9.5944 ppm
RT: 7.477 min Scan# 962
Delta R.T. -0.005 min
Lab File: 6p519297.d
Acq: 4 Dec 2024 7:03 pm

Tgt Ion:178 Resp: 197788

Ion	Ratio	Lower	Upper
178	100		
179	15.3	0.0	44.6
176	17.0	0.0	47.5

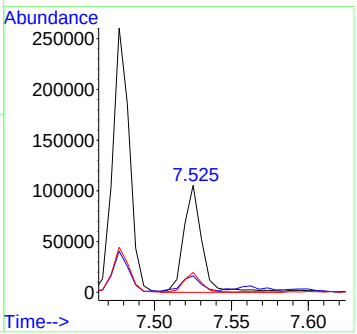


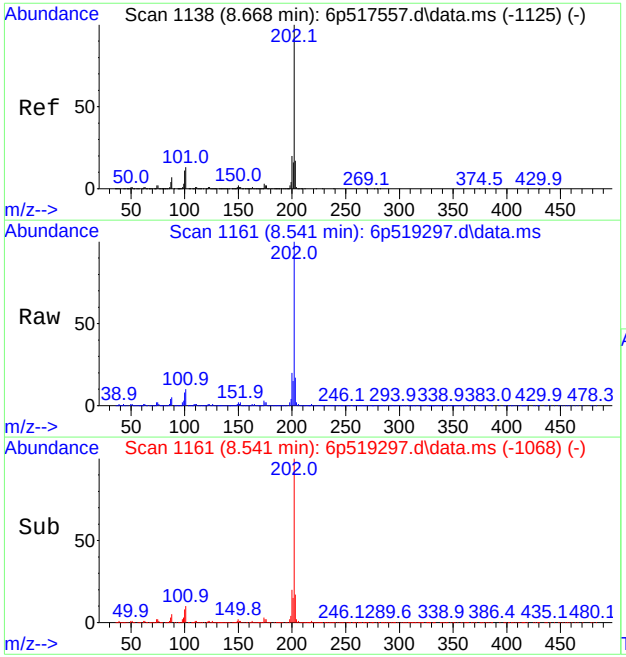


#79
Anthracene
Concen: 4.2798 ppm
RT: 7.525 min Scan# 971
Delta R.T. -0.005 min
Lab File: 6p519297.d
Acq: 4 Dec 2024 7:03 pm

Tgt Ion:178 Resp: 88056

Ion	Ratio	Lower	Upper
178	100		
179	13.4	0.0	44.5
176	18.6	0.0	47.7

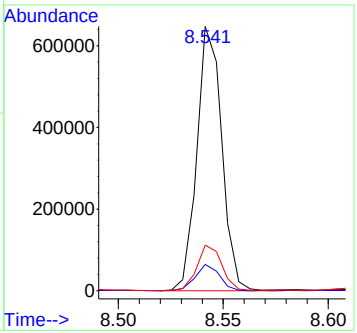


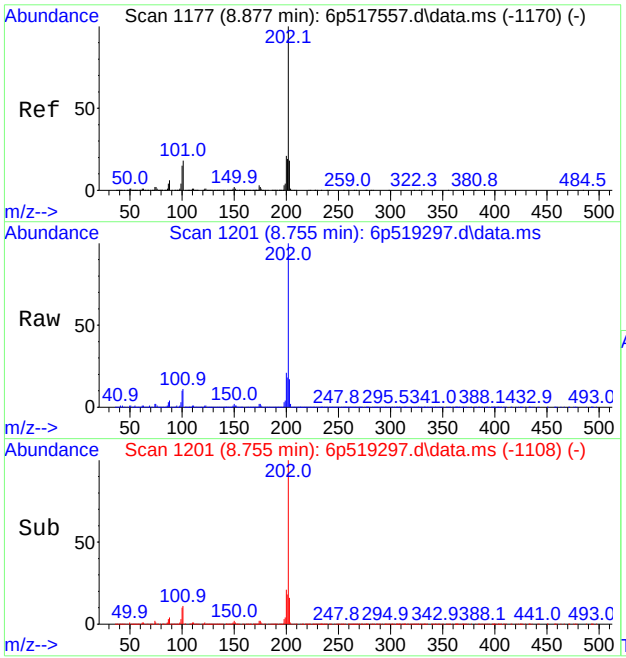


#82
Fluoranthene
Concen: 23.7797 ppm
RT: 8.541 min Scan# 1161
Delta R.T. -0.005 min
Lab File: 6p519297.d
Acq: 4 Dec 2024 7:03 pm

Tgt Ion:202 Resp: 534011

Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	40.5
203	17.2	0.0	47.1

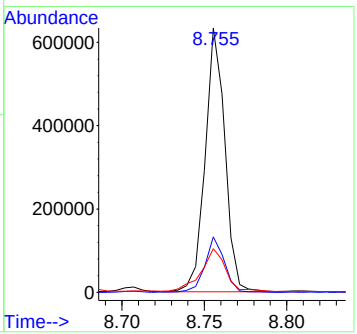


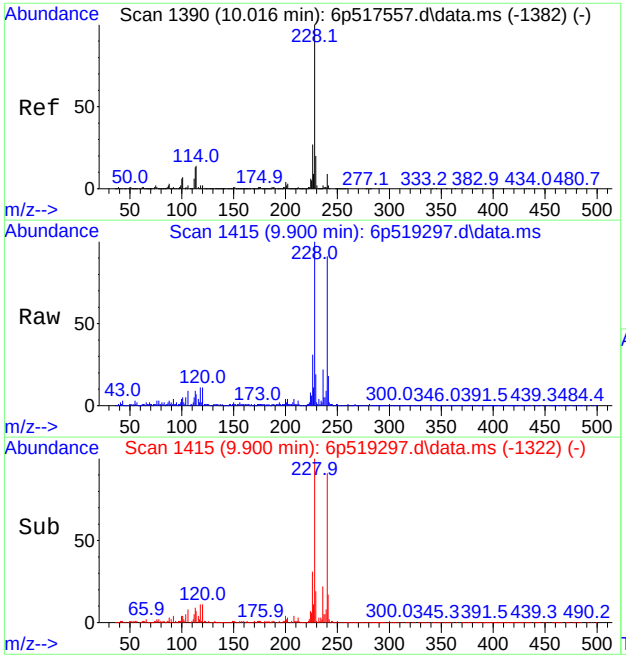


#86
Pyrene
Concen: 21.2610 ppm
RT: 8.755 min Scan# 1201
Delta R.T. -0.005 min
Lab File: 6p519297.d
Acq: 4 Dec 2024 7:03 pm

Tgt Ion:202 Resp: 525863

Ion	Ratio	Lower	Upper
202	100		
200	21.0	0.0	51.0
203	16.1	0.0	47.0

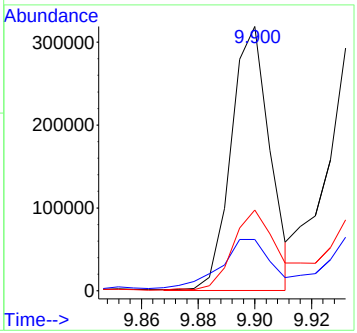


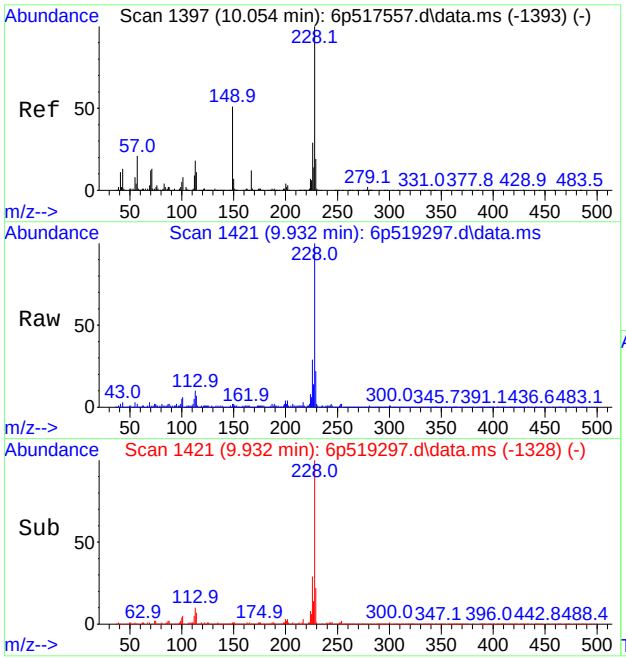


#89
Benzo[a]anthracene
Concen: 12.3512 ppm m
RT: 9.900 min Scan# 1415
Delta R.T. -0.005 min
Lab File: 6p519297.d
Acq: 4 Dec 2024 7:03 pm

Tgt Ion:228 Resp: 302735

Ion	Ratio	Lower	Upper
228	100		
229	19.4	0.0	49.3
226	30.6	0.0	55.9

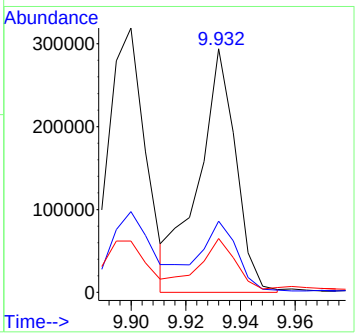


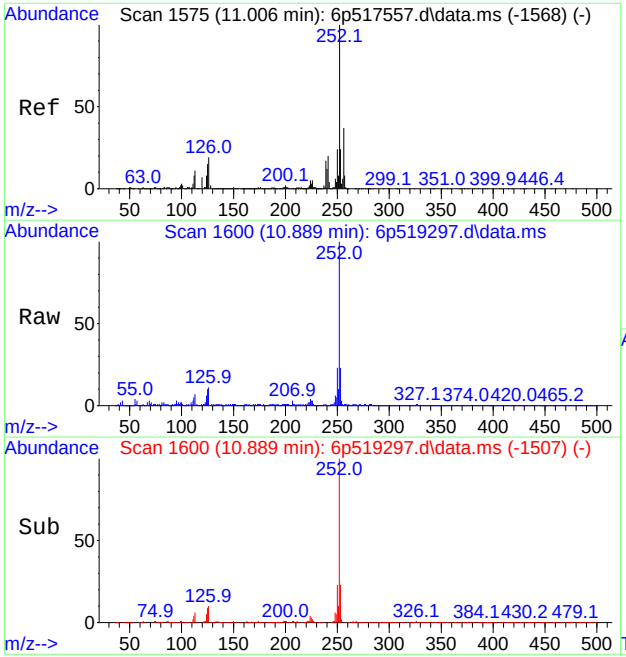


#91
Chrysene
Concen: 12.0097 ppm m
RT: 9.932 min Scan# 1421
Delta R.T. -0.005 min
Lab File: 6p519297.d
Acq: 4 Dec 2024 7:03 pm

Tgt Ion:228 Resp: 279904

Ion	Ratio	Lower	Upper
228	100		
226	29.2	0.0	58.7
229	22.1	0.0	49.9

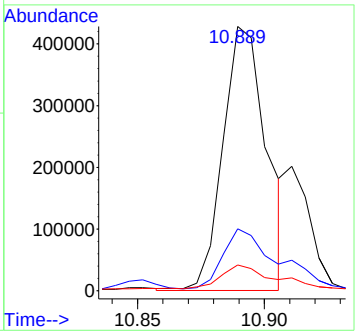


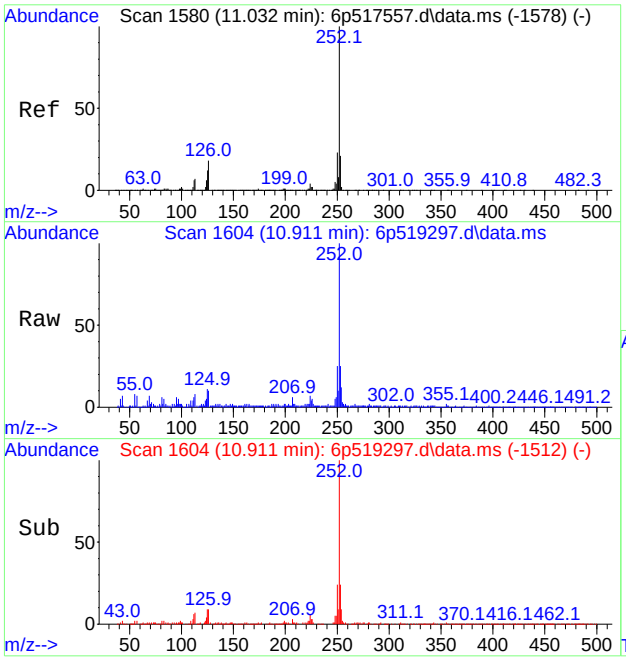


#95
Benzo[b]fluoranthene
Concen: 18.1127 ppm m
RT: 10.889 min Scan# 1600
Delta R.T. -0.005 min
Lab File: 6p519297.d
Acq: 4 Dec 2024 7:03 pm

Tgt Ion:252 Resp: 511638

Ion	Ratio	Lower	Upper
252	100		
253	23.4	0.0	51.9
125	9.8	0.0	39.9

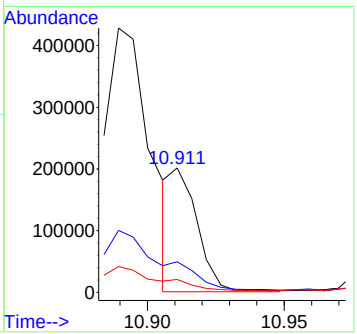


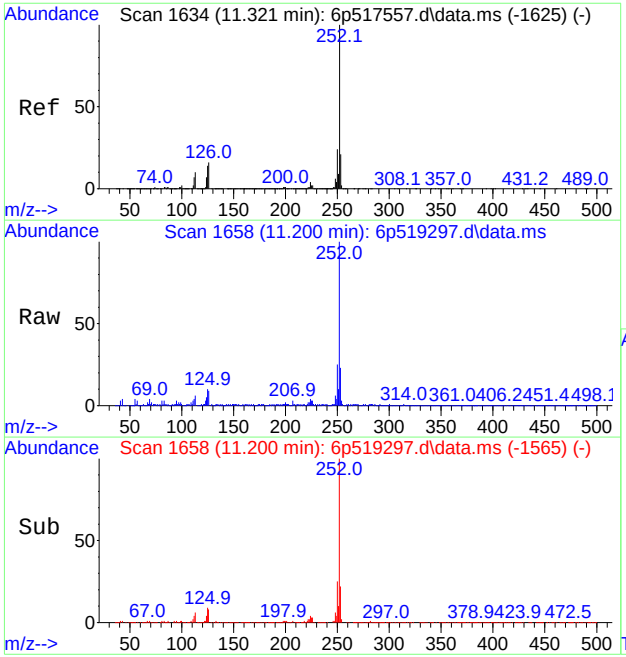


#96
Benzo[k]fluoranthene
Concen: 5.3558 ppm m
RT: 10.911 min Scan# 1604
Delta R.T. -0.010 min
Lab File: 6p519297.d
Acq: 4 Dec 2024 7:03 pm

Tgt Ion:252 Resp: 136388

Ion	Ratio	Lower	Upper
252	100		
253	24.6	0.0	51.2
125	10.5	0.0	38.0

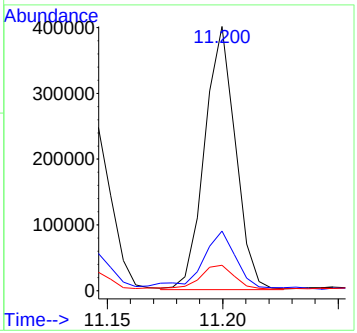


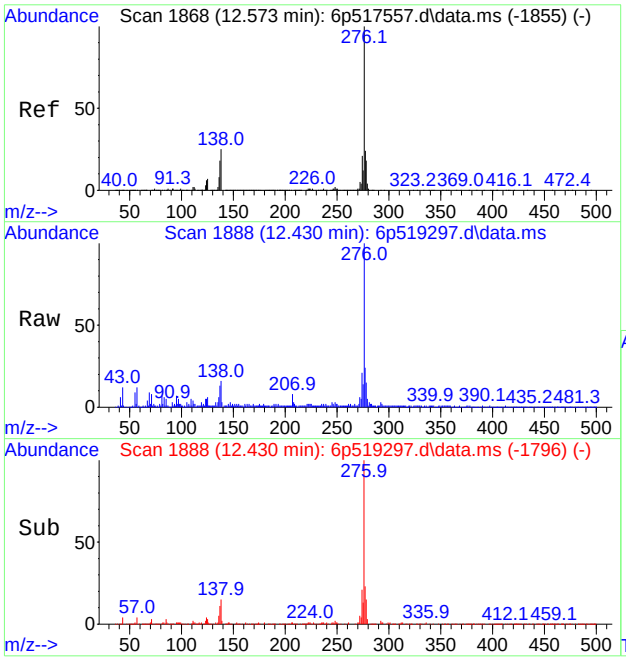


#97
Benzo[a]pyrene
Concen: 16.4901 ppm
RT: 11.200 min Scan# 1658
Delta R.T. -0.005 min
Lab File: 6p519297.d
Acq: 4 Dec 2024 7:03 pm

Tgt Ion:252 Resp: 371089

Ion	Ratio	Lower	Upper
252	100		
253	20.7	0.0	51.3
125	8.8	0.0	38.3

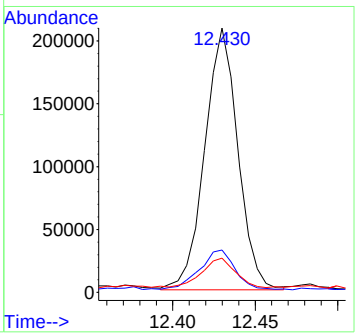


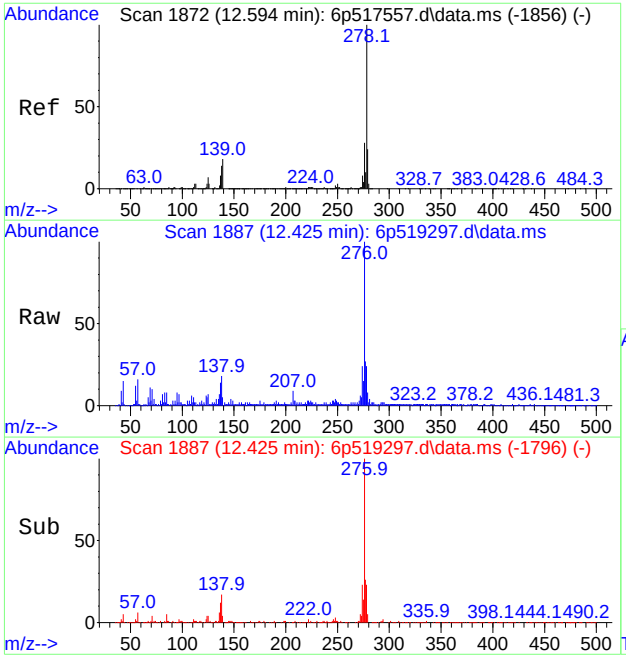


#98
Indeno[1,2,3-cd]pyrene
Concen: 9.3747 ppm
RT: 12.430 min Scan# 1888
Delta R.T. -0.010 min
Lab File: 6p519297.d
Acq: 4 Dec 2024 7:03 pm

Tgt Ion:276 Resp: 291388

Ion	Ratio	Lower	Upper
276	100		
138	18.0	0.0	48.9
137	11.1	0.0	43.6

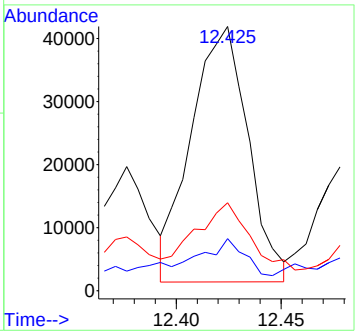


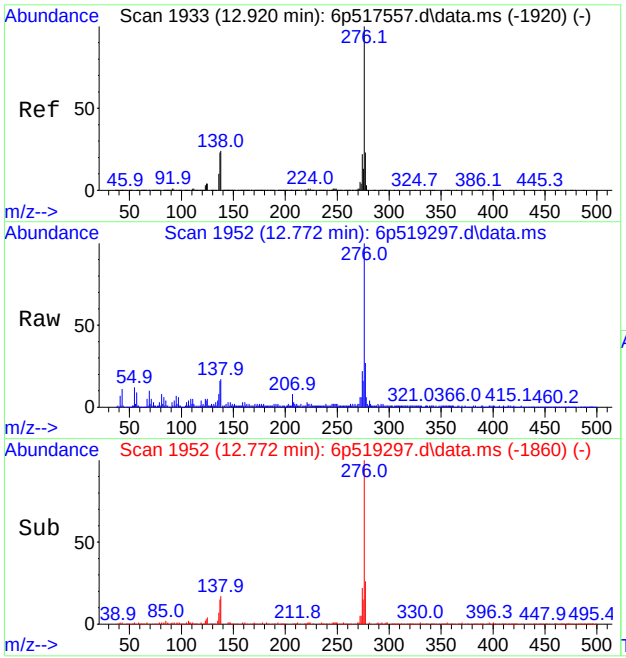


#100
Dibenz[a,h]anthracene
Concen: 3.0007 ppm
RT: 12.425 min Scan# 1887
Delta R.T. -0.016 min
Lab File: 6p519297.d
Acq: 4 Dec 2024 7:03 pm

Tgt Ion:278 Resp: 76377

Ion	Ratio	Lower	Upper
278	100		
139	12.3	0.0	40.8
279	25.4	0.0	52.4

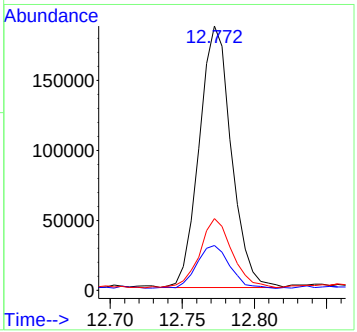




#102
Benzo[g,h,i]perylene
Concen: 12.1066 ppm
RT: 12.772 min Scan# 1952
Delta R.T. -0.010 min
Lab File: 6p519297.d
Acq: 4 Dec 2024 7:03 pm

Tgt Ion:276 Resp: 288682

Ion	Ratio	Lower	Upper
276	100		
138	16.1	0.0	44.6
277	26.2	0.0	52.7



Manual Integrations APPROVED (compounds with "m" flag)
Jon Kreigmor Mamanta 12/11/24 03:40

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\e4p3706\
Data File : 4p694249.d
Acq On : 10 Dec 2024 6:38 pm
Operator : kaleigh
Sample : je1300-48a Inst : GCMS4P
Misc : op59835,e4p3706,30.6,,,1,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 11 04:11:42 2024
Quant Method : X:\Dayton SVOA GCMS\michaell\e4p3706\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Wed Dec 11 00:48:48 2024
Response via : Initial Calibration

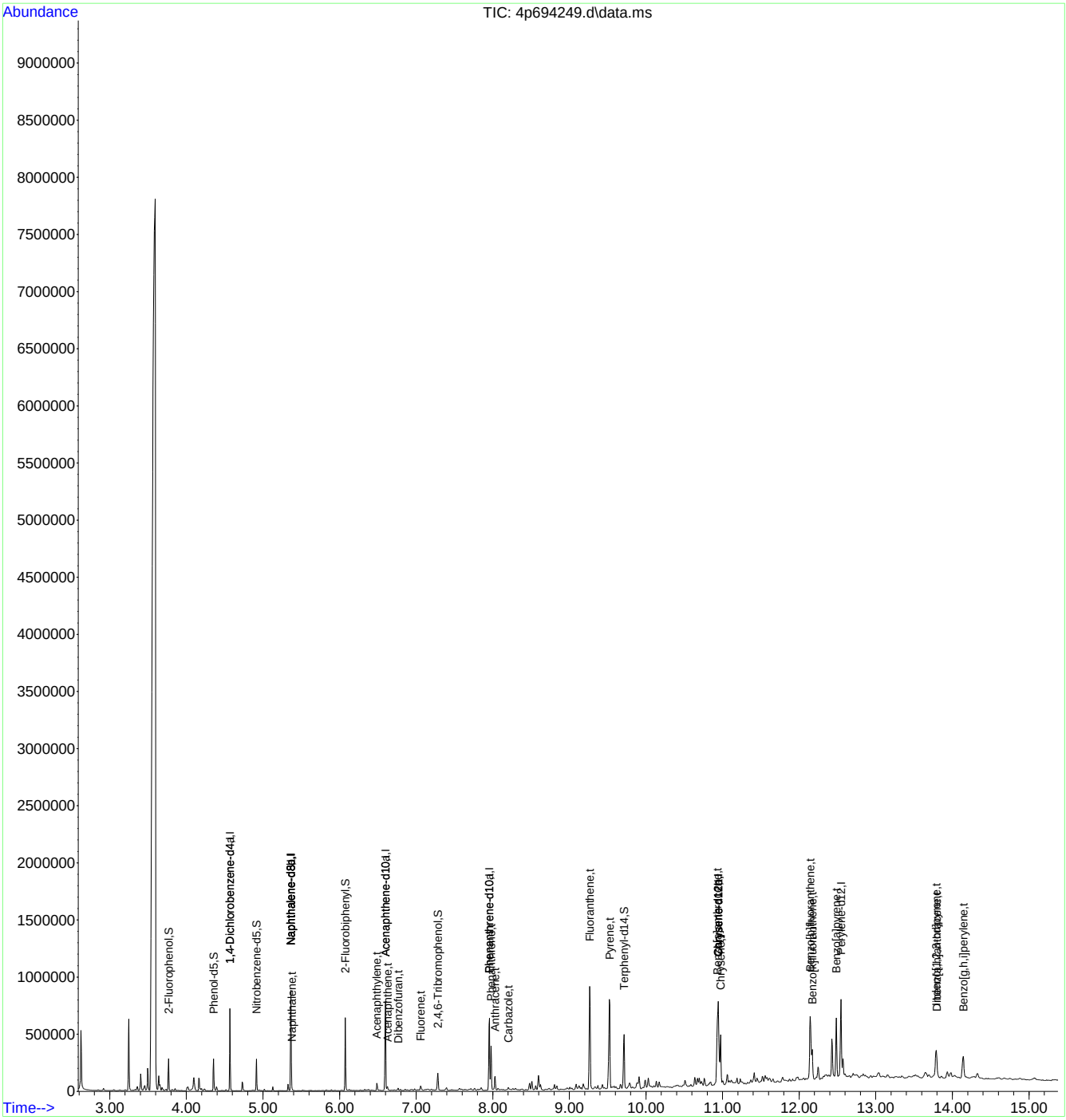
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	73573	40.00	ppm	0.00
24) Naphthalene-d8	5.365	136	260654	40.00	ppm	0.00
46) Acenaphthene-d10	6.599	164	140402	40.00	ppm	0.00
69) Phenanthrene-d10	7.956	188	224254	40.00	ppm	0.00
84) Chrysene-d12	10.942	240	224481	40.00	ppm	0.00
93) Perylene-d12	12.545	264	253554	40.00	ppm	0.00
103) 1,4-Dichlorobenzene-d4a	4.569	152	73573	40.00	ppm	0.00
105) Acenaphthene-d10a	6.599	164	140402	40.00	ppm	0.00
107) Chrysene-d12a	10.942	240	224481	40.00	ppm	0.00
109) Phenanthrene-d10a	7.956	188	224254	40.00	ppm	0.00
111) Naphthalene-d8a	5.365	136	260654	40.00	ppm	0.00
113) Chrysene-d12b	10.942	240	224481	40.00	ppm	0.00
115) Naphthalene-d8b	5.365	136	260654	40.00	ppm	0.00
118) Naphthalene-d8c	5.365	136	260654	40.00	ppm	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.768	112	53437	26.42	ppm	0.02
Spiked Amount 50.000			Recovery =	52.84%		
8) Phenol-d5	4.355	99	65331	24.55	ppm	0.02
Spiked Amount 50.000			Recovery =	49.10%		
25) Nitrobenzene-d5	4.916	82	65649	28.44	ppm	0.00
Spiked Amount 50.000			Recovery =	56.88%		
51) 2-Fluorobiphenyl	6.076	172	145702	30.48	ppm	0.00
Spiked Amount 50.000			Recovery =	60.96%		
74) 2,4,6-Tribromophenol	7.283	330	12704	22.48	ppm	0.00
Spiked Amount 50.000			Recovery =	44.96%		
87) Terphenyl-d14	9.714	244	148000	26.50	ppm	0.00
Spiked Amount 50.000			Recovery =	53.00%		
108) 1-chlorooctadecane	0.000	57	0	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
110) o-terphenyl	0.000	230	0	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
38) Naphthalene	5.376	128	3879	0.5692	ppm	95
56) Acenaphthylene	6.487	152	25162	4.3962	ppm	98
59) Acenaphthene	6.626	153	6488	1.4834	ppm	90
62) Dibenzofuran	6.765	168	4934	0.8303	ppm	96
66) Fluorene	7.059	166	9458m	1.9965	ppm	
78) Phenanthrene	7.977	178	130785	20.8361	ppm	99
79) Anthracene	8.031	178	46117	7.4740	ppm	99
80) Carbazole	8.202	167	7232	1.2762	ppm	99
82) Fluoranthene	9.265	202	361661	53.1309	ppm	99
86) Pyrene	9.527	202	339582	42.9939	ppm	99
89) Benzo[a]anthracene	10.932	228	195550	26.7926	ppm	97
91) Chrysene	10.974	228	175304	24.9124	ppm	97
95) Benzo[b]fluoranthene	12.144	252	263434m	33.5648	ppm	
96) Benzo[k]fluoranthene	12.171	252	92511m	12.4312	ppm	
97) Benzo[a]pyrene	12.486	252	197869	29.8204	ppm	99
98) Indeno[1,2,3-cd]pyrene	13.790	276	130696	14.7926	ppm	98
100) Dibenz[a,h]anthracene	13.795	278	29935	4.1778	ppm	78
102) Benzo[g,h,i]perylene	14.142	276	117734	17.6001	ppm	98

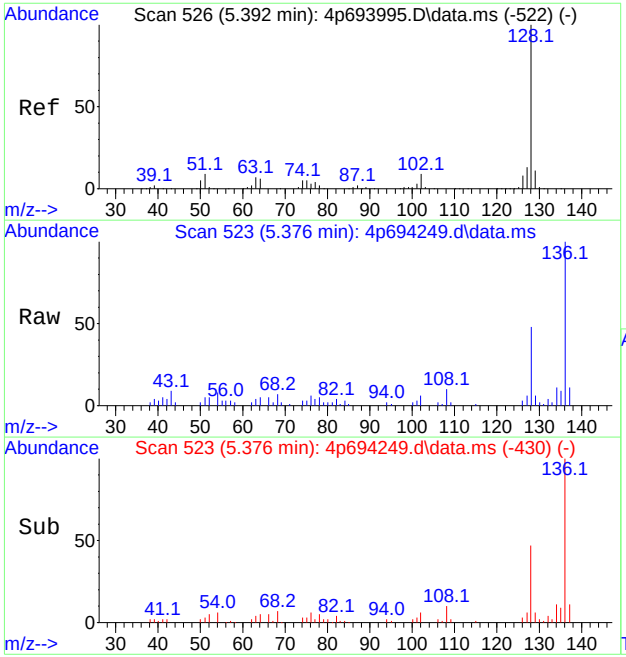
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\e4p3706\
Data File : 4p694249.d
Acq On : 10 Dec 2024 6:38 pm
Operator : kaleigh
Sample : je1300-48a Inst : GCMS4P
Misc : op59835,e4p3706,30.6,,,1,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 11 04:11:42 2024
Quant Method : X:\Dayton SVOA GCMS\michaell\e4p3706\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Wed Dec 11 00:48:48 2024
Response via : Initial Calibration

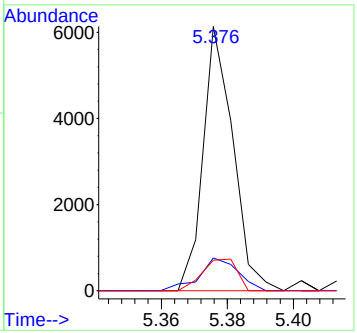


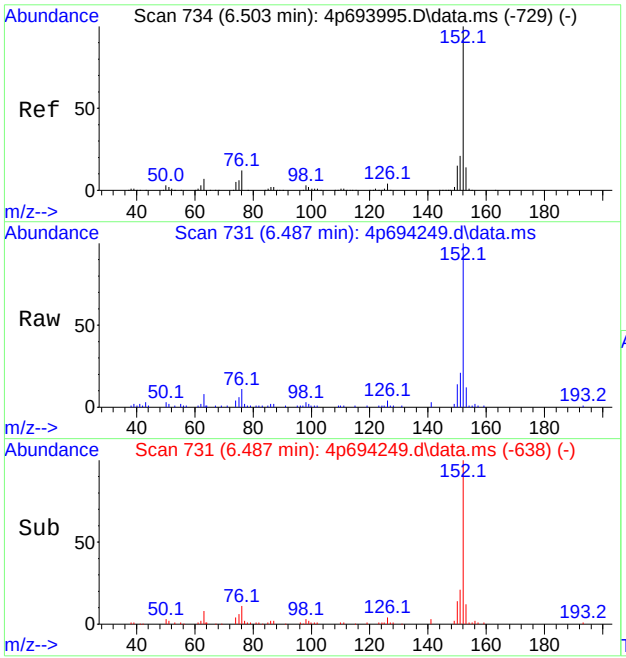


#38
Naphthalene
Concen: 0.5692 ppm
RT: 5.376 min Scan# 523
Delta R.T. -0.005 min
Lab File: 4p694249.d
Acq: 10 Dec 2024 6:38 pm

Tgt Ion:128 Resp: 3879

Ion	Ratio	Lower	Upper
128	100		
129	12.4	0.0	40.9
127	11.5	0.0	43.9

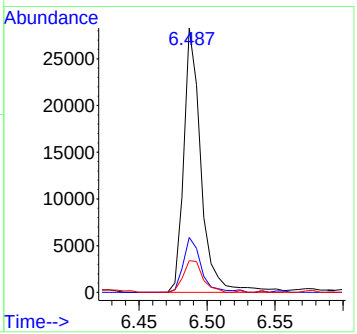


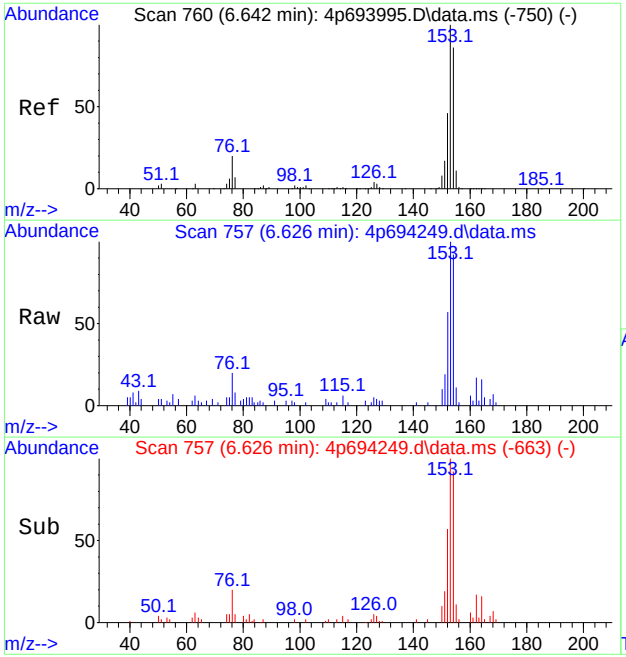


#56
Acenaphthylene
Concen: 4.3962 ppm
RT: 6.487 min Scan# 731
Delta R.T. -0.005 min
Lab File: 4p694249.d
Acq: 10 Dec 2024 6:38 pm

Tgt Ion:152 Resp: 25162

Ion	Ratio	Lower	Upper
152	100		
151	20.6	0.0	51.4
153	12.0	0.0	43.4

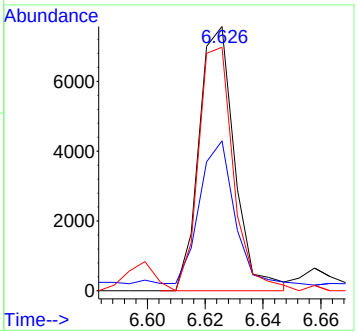


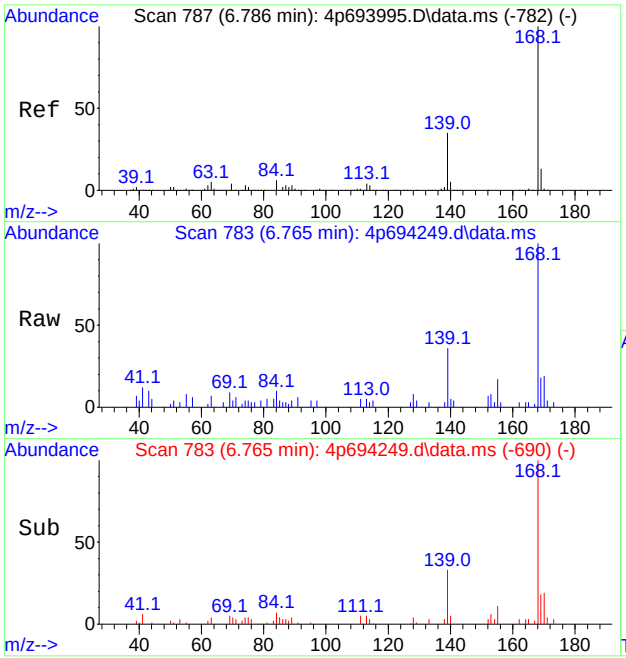


#59
Acenaphthene
Concen: 1.4834 ppm
RT: 6.626 min Scan# 757
Delta R.T. -0.000 min
Lab File: 4p694249.d
Acq: 10 Dec 2024 6:38 pm

Tgt Ion:153 Resp: 6488

Ion	Ratio	Lower	Upper
153	100		
152	54.6	17.7	77.7
154	90.9	52.1	112.1

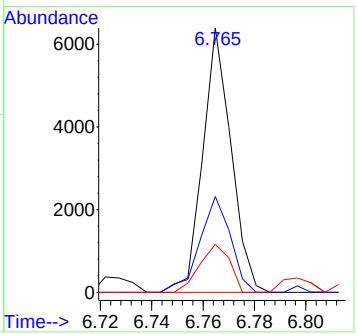


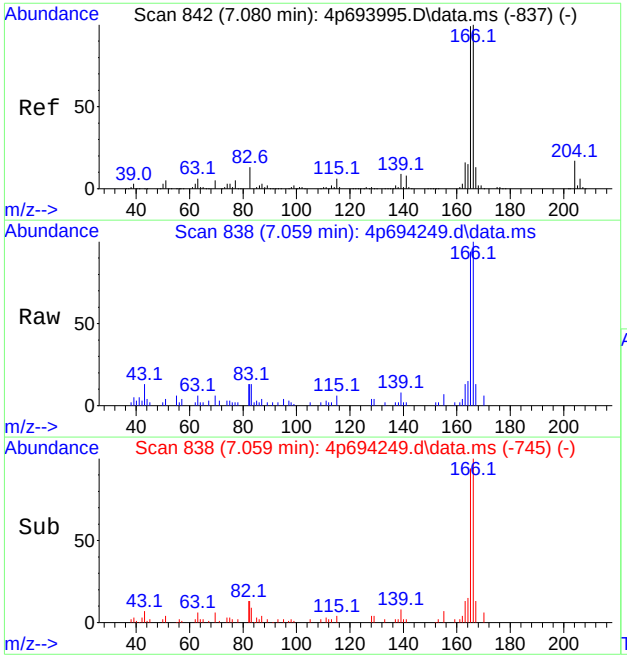


#62
Dibenzofuran
Concen: 0.8303 ppm
RT: 6.765 min Scan# 783
Delta R.T. -0.005 min
Lab File: 4p694249.d
Acq: 10 Dec 2024 6:38 pm

Tgt Ion:168 Resp: 4934

Ion	Ratio	Lower	Upper
168	100		
139	36.2	4.7	64.7
169	15.8	0.0	43.4

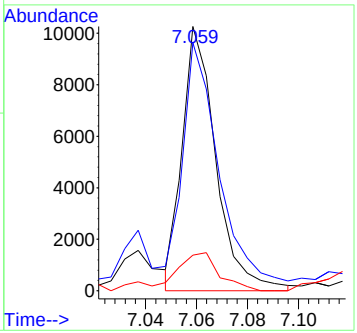


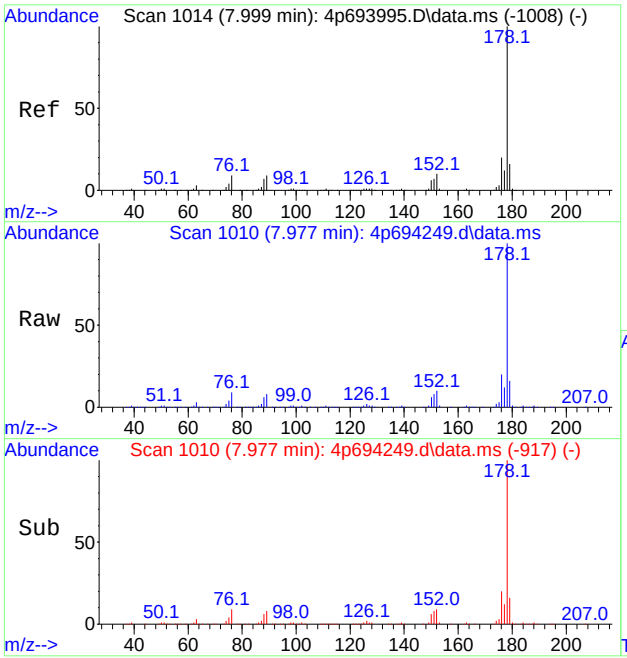


#66
Fluorene
Concen: 1.9965 ppm m
RT: 7.059 min Scan# 838
Delta R.T. -0.005 min
Lab File: 4p694249.d
Acq: 10 Dec 2024 6:38 pm

Tgt Ion:166 Resp: 9458

Ion	Ratio	Lower	Upper
166	100		
165	93.8	67.1	127.1
167	13.5	0.0	43.1

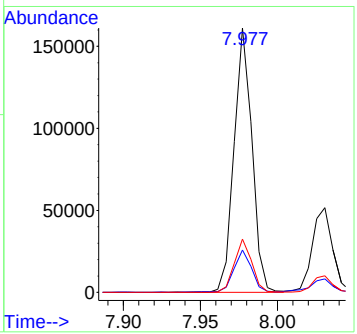


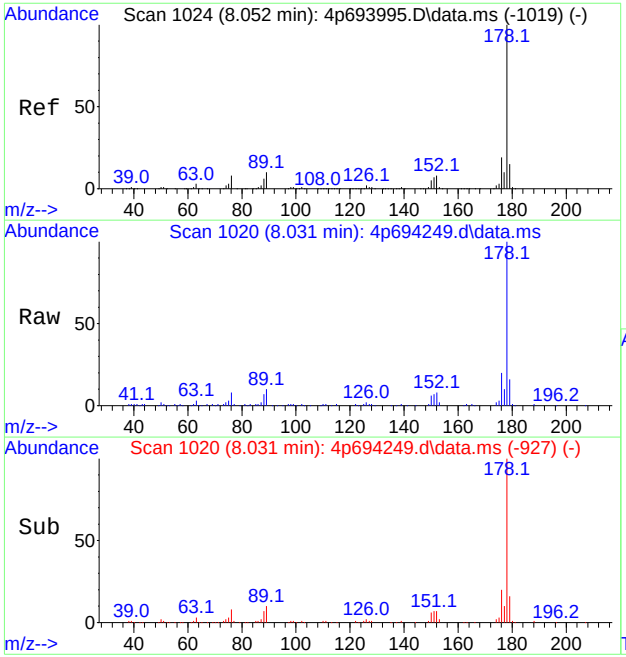


#78
Phenanthrene
Concen: 20.8361 ppm
RT: 7.977 min Scan# 1010
Delta R.T. -0.005 min
Lab File: 4p694249.d
Acq: 10 Dec 2024 6:38 pm

Tgt Ion:178 Resp: 130785

Ion	Ratio	Lower	Upper
178	100		
179	15.8	0.0	45.5
176	20.1	0.0	49.9

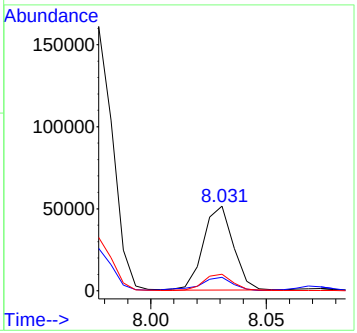


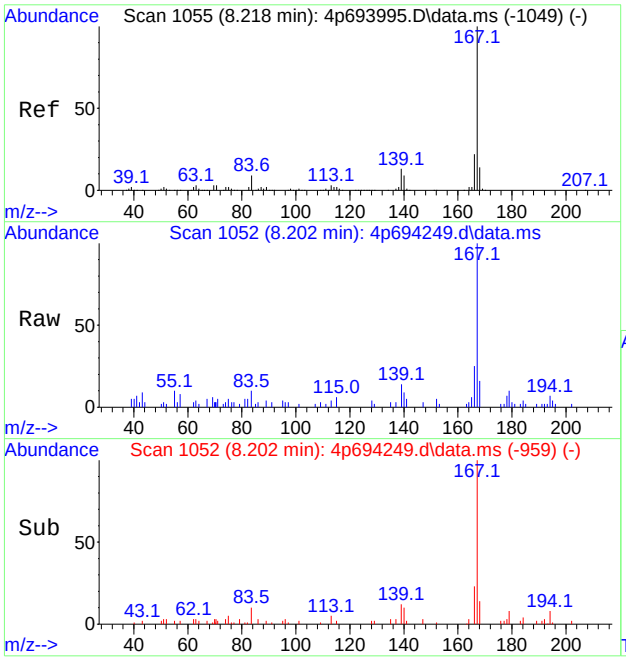


#79
Anthracene
Concen: 7.4740 ppm
RT: 8.031 min Scan# 1020
Delta R.T. -0.005 min
Lab File: 4p694249.d
Acq: 10 Dec 2024 6:38 pm

Tgt Ion:178 Resp: 46117

Ion	Ratio	Lower	Upper
178	100		
179	15.0	0.0	45.7
176	19.7	0.0	50.1

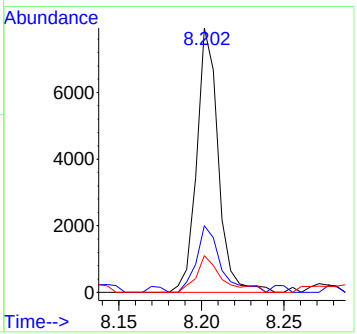


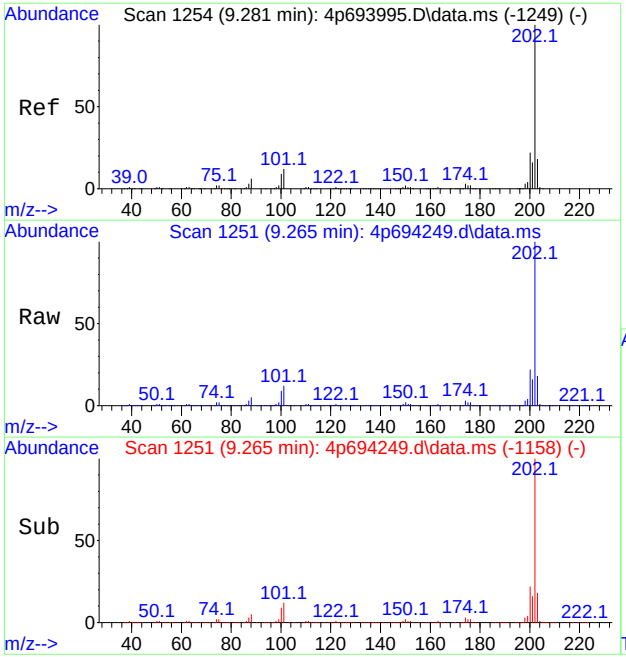


#80
Carbazole
Concen: 1.2762 ppm
RT: 8.202 min Scan# 1052
Delta R.T. -0.005 min
Lab File: 4p694249.d
Acq: 10 Dec 2024 6:38 pm

Tgt Ion:167 Resp: 7232

Ion	Ratio	Lower	Upper
167	100		
166	23.0	0.0	53.0
139	13.9	0.0	42.5

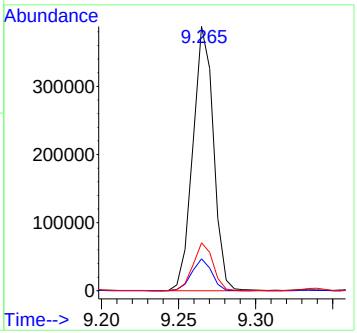


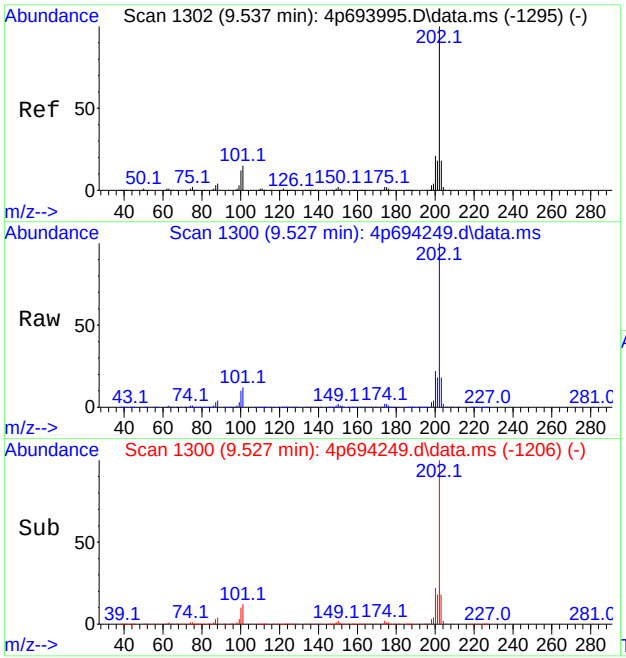


#82
Fluoranthene
Concen: 53.1309 ppm
RT: 9.265 min Scan# 1251
Delta R.T. -0.005 min
Lab File: 4p694249.d
Acq: 10 Dec 2024 6:38 pm

Tgt Ion:202 Resp: 361661

Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	41.0
203	18.0	0.0	48.1

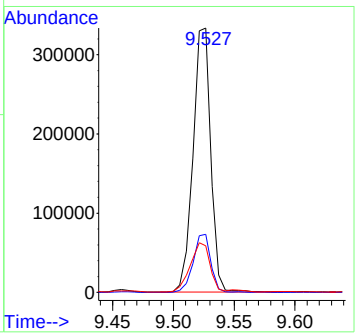


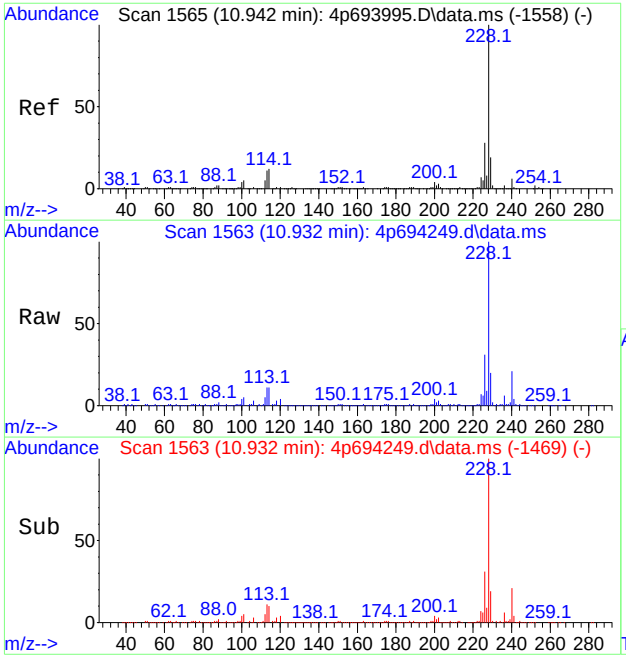


#86
Pyrene
Concen: 42.9939 ppm
RT: 9.527 min Scan# 1300
Delta R.T. -0.000 min
Lab File: 4p694249.d
Acq: 10 Dec 2024 6:38 pm

Tgt Ion:202 Resp: 339582

Ion	Ratio	Lower	Upper
202	100		
200	21.9	0.0	52.2
203	17.4	0.0	47.8

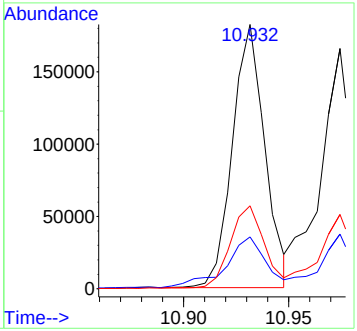


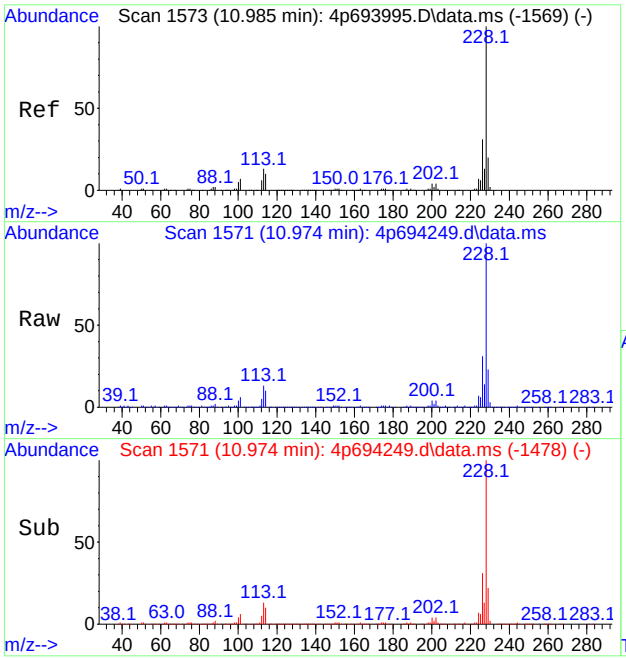


#89
Benzo[a]anthracene
Concen: 26.7926 ppm
RT: 10.932 min Scan# 1563
Delta R.T. -0.000 min
Lab File: 4p694249.d
Acq: 10 Dec 2024 6:38 pm

Tgt Ion:228 Resp: 195550

Ion	Ratio	Lower	Upper
228	100		
229	19.0	0.0	49.4
226	31.3	0.0	58.6

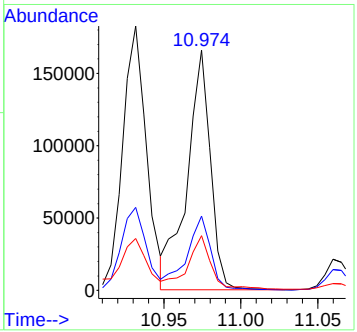


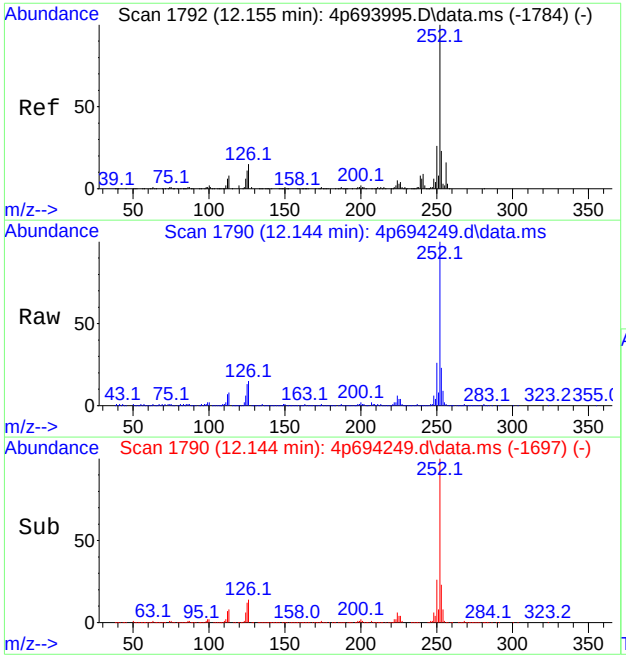


#91
Chrysene
Concen: 24.9124 ppm
RT: 10.974 min Scan# 1571
Delta R.T. -0.005 min
Lab File: 4p694249.d
Acq: 10 Dec 2024 6:38 pm

Tgt Ion:228 Resp: 175304

Ion	Ratio	Lower	Upper
228	100		
226	30.8	1.4	61.4
229	22.3	0.0	49.8

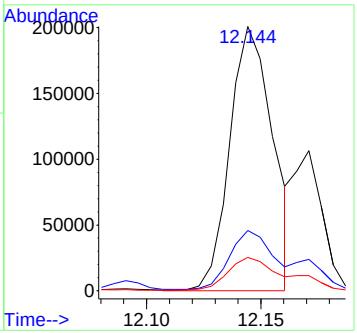


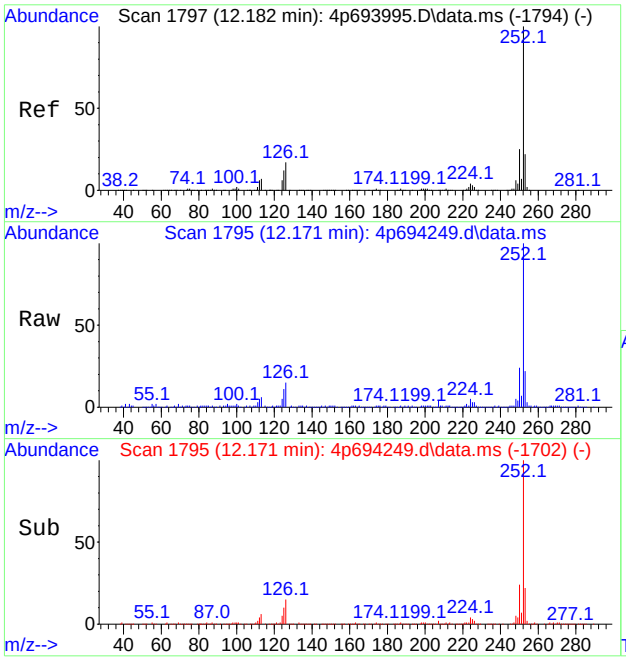


#95
Benzo[b]fluoranthene
Concen: 33.5648 ppm m
RT: 12.144 min Scan# 1790
Delta R.T. -0.005 min
Lab File: 4p694249.d
Acq: 10 Dec 2024 6:38 pm

Tgt Ion:252 Resp: 263434

Ion	Ratio	Lower	Upper
252	100		
253	22.8	0.0	52.4
125	12.6	0.0	42.1

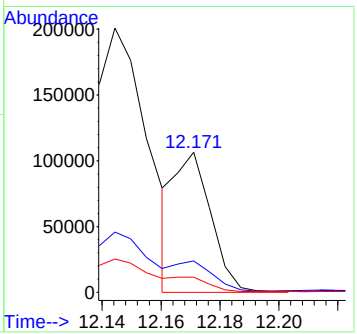


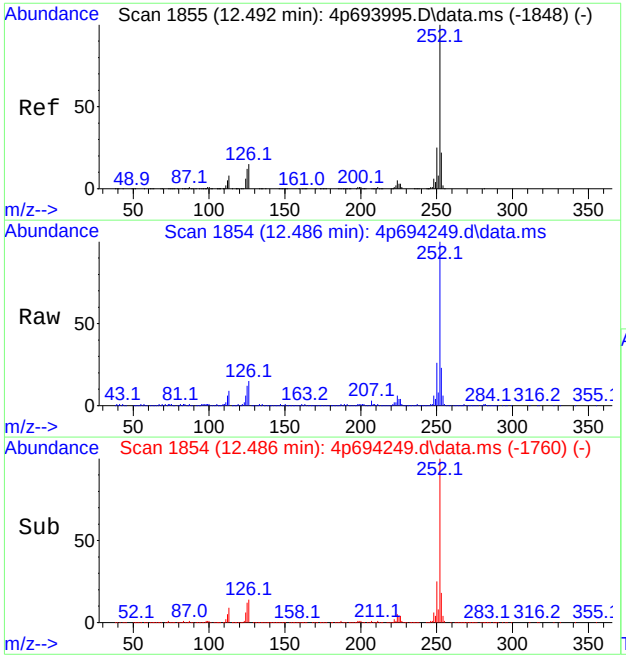


#96
Benzo[k]fluoranthene
Concen: 12.4312 ppm m
RT: 12.171 min Scan# 1795
Delta R.T. -0.005 min
Lab File: 4p694249.d
Acq: 10 Dec 2024 6:38 pm

Tgt Ion:252 Resp: 92511

Ion	Ratio	Lower	Upper
252	100		
253	22.5	0.0	52.3
125	10.9	0.0	41.8

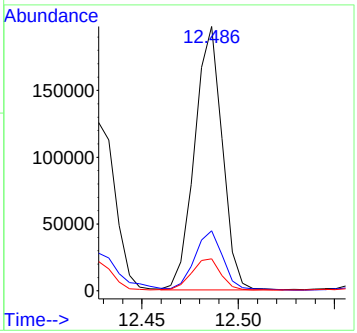


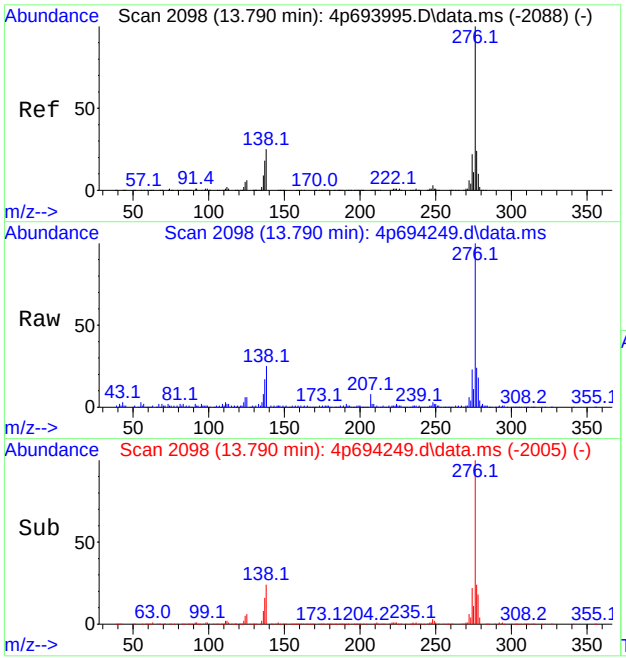


#97
Benzo[a]pyrene
Concen: 29.8204 ppm
RT: 12.486 min Scan# 1854
Delta R.T. -0.000 min
Lab File: 4p694249.d
Acq: 10 Dec 2024 6:38 pm

Tgt Ion:252 Resp: 197869

Ion	Ratio	Lower	Upper
252	100		
253	22.2	0.0	52.1
125	11.7	0.0	42.6

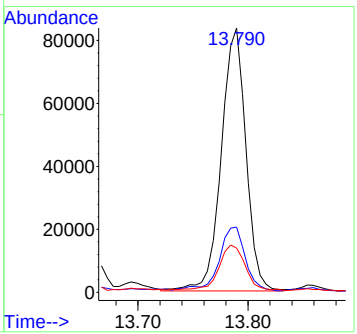


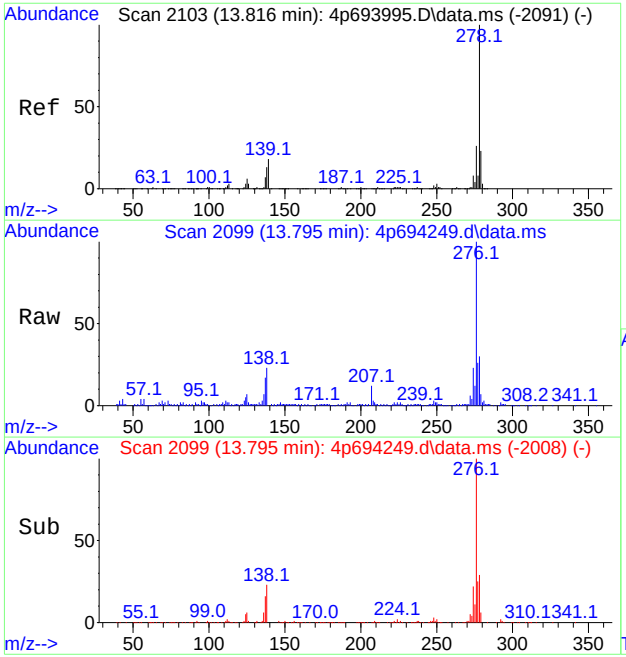


#98
Indeno[1,2,3-cd]pyrene
Concen: 14.7926 ppm
RT: 13.790 min Scan# 2098
Delta R.T. -0.005 min
Lab File: 4p694249.d
Acq: 10 Dec 2024 6:38 pm

Tgt Ion:276 Resp: 130696

Ion	Ratio	Lower	Upper
276	100		
138	24.1	0.0	55.0
137	16.1	0.0	47.3

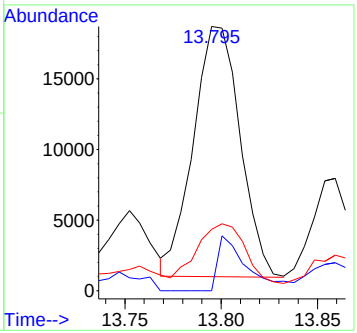


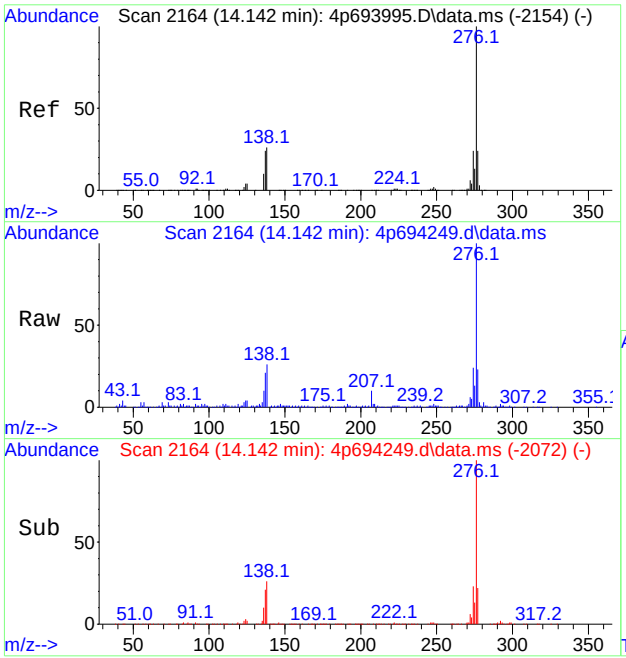


#100
Dibenz[a,h]anthracene
Concen: 4.1778 ppm
RT: 13.795 min Scan# 2099
Delta R.T. -0.016 min
Lab File: 4p694249.d
Acq: 10 Dec 2024 6:38 pm

Tgt Ion:278 Resp: 29935

Ion	Ratio	Lower	Upper
278	100		
139	0.0	0.0	49.7
279	20.8	0.0	53.0

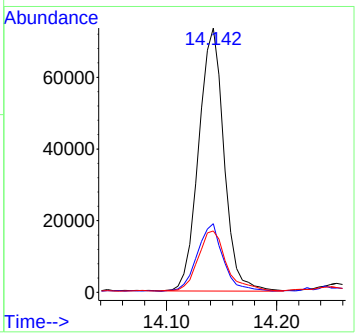




#102
Benzo[g,h,i]perylene
Concen: 17.6001 ppm
RT: 14.142 min Scan# 2164
Delta R.T. -0.011 min
Lab File: 4p694249.d
Acq: 10 Dec 2024 6:38 pm

Tgt Ion:276 Resp: 117734

Ion	Ratio	Lower	Upper
276	100		
138	25.6	0.0	54.1
277	22.8	0.0	53.7



Manual Integrations APPROVED (compounds with "m" flag)
Jon Kreigmor Mamanta 12/05/24 03:52

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\altheam\e6p4327\
Data File : 6p519298.d
Acq On : 4 Dec 2024 7:23 pm
Operator : anthonyo
Sample : je1300-49 Inst : GCMS6P
Misc : op59835,e6p4327,30.3,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 05 03:29:59 2024
Quant Method : X:\Dayton SVOA GCMS\altheam\method\M6P4256.M
Quant Title : Semi Volatile GC/MS,zb-5msplus30m x .25mm x .25um
QLast Update : Thu Dec 05 02:46:59 2024
Response via : Initial Calibration

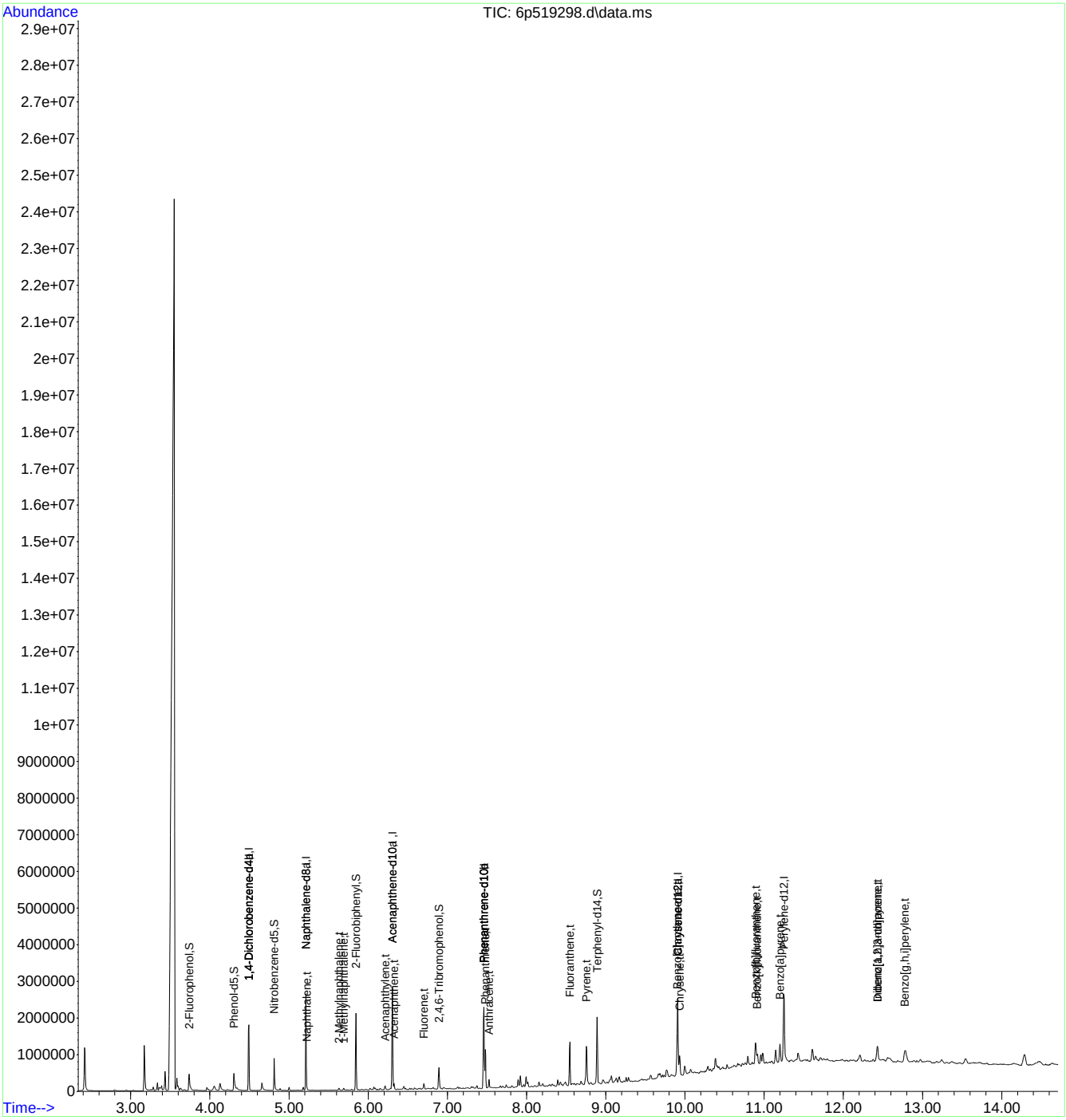
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.492	152	215639	40.00	ppm	0.00
24) Naphthalene-d8	5.214	136	818572	40.00	ppm	0.00
46) Acenaphthene-d10	6.305	164	444443	40.00	ppm	0.00
69) Phenanthrene-d10	7.461	188	732468	40.00	ppm	0.00
84) Chrysene-d12	9.910	240	644005	40.00	ppm	0.00
93) Perylene-d12	11.248	264	752386	40.00	ppm	0.00
103) 1,4-Dichlorobenzene-d4a	4.492	152	215639	40.00	ppm	0.00
105) Phenanthrene-d10a	7.461	188	732468	40.00	ppm	0.00
107) Naphthalene-d8a	5.214	136	818572	40.00	ppm	0.00
109) 1,4-Dichlorobenzene-d4b	4.492	152	215639	40.00	ppm	0.00
112) Acenaphthene-d10a	6.305	164	444078	40.00	ppm	0.00
114) Phenanthrene-d10b	7.461	188	732468	40.00	ppm	0.00
117) Chrysene-d12a	9.910	240	644005	40.00	ppm	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.738	112	148691	20.79	ppm	0.02
Spiked Amount 50.000			Recovery = 41.58%			
8) Phenol-d5	4.305	99	204663	21.72	ppm	0.01
Spiked Amount 50.000			Recovery = 43.44%			
25) Nitrobenzene-d5	4.813	82	212292	26.41	ppm	0.00
Spiked Amount 50.000			Recovery = 52.82%			
51) 2-Fluorobiphenyl	5.845	172	452310	31.17	ppm	0.00
Spiked Amount 50.000			Recovery = 62.34%			
74) 2,4,6-Tribromophenol	6.894	330	68808	31.80	ppm	0.00
Spiked Amount 50.000			Recovery = 63.60%			
87) Terphenyl-d14	8.889	244	531205	32.02	ppm	0.00
Spiked Amount 50.000			Recovery = 64.04%			
115) 1-chlorooctadecane	0.000	57	0d	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
116) o-terphenyl	0.000	230	0d	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
38) Naphthalene	5.225	128	9152	0.4291	ppm	93
44) 2-Methylnaphthalene	5.631	141	8114	0.6519	ppm	93
45) 1-Methylnaphthalene	5.690	141	10767	0.9028	ppm	88
56) Acenaphthylene	6.214	152	41288	2.4810	ppm	94
59) Acenaphthene	6.327	153	29580	2.1320	ppm	99
66) Fluorene	6.701	166	36234m	2.4472	ppm	
78) Phenanthrene	7.477	178	359063	18.4463	ppm	98
79) Anthracene	7.525	178	89755	4.6200	ppm	97
82) Fluoranthene	8.546	202	437958	20.6542	ppm	98
86) Pyrene	8.755	202	430643	19.8511	ppm	99
89) Benzo[a]anthracene	9.900	228	209234m	9.7328	ppm	
91) Chrysene	9.932	228	216363m	10.5843	ppm	
95) Benzo[b]fluoranthene	10.895	252	286312m	12.2415	ppm	
96) Benzo[k]fluoranthene	10.911	252	92143m	4.3701	ppm	
97) Benzo[a]pyrene	11.199	252	210177	11.2799	ppm	97
98) Indeno[1,2,3-cd]pyrene	12.430	276	154337	5.9969	ppm	91
100) Dibenz[a,h]anthracene	12.430	278	44661	2.1191	ppm	87
102) Benzo[g,h,i]perylene	12.772	276	154335	7.8171	ppm	96

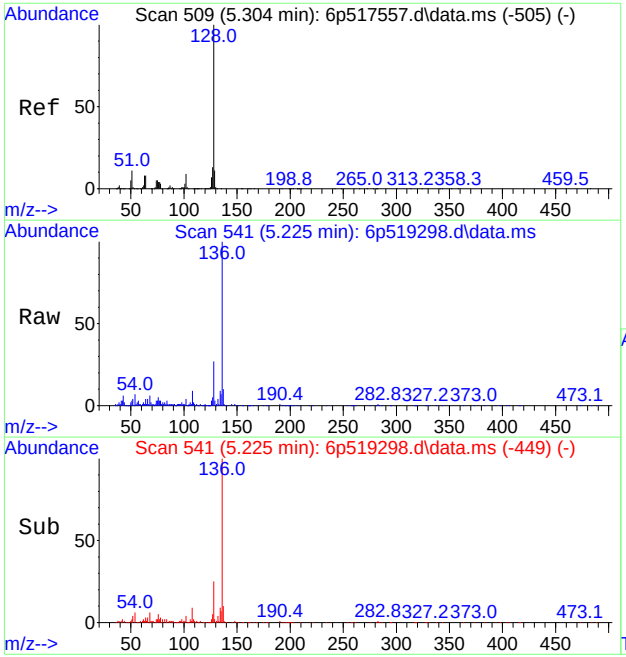
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\altheam\e6p4327\
Data File : 6p519298.d
Acq On : 4 Dec 2024 7:23 pm
Operator : anthonyo
Sample : je1300-49 Inst : GCMS6P
Misc : op59835,e6p4327,30.3,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 05 03:29:59 2024
Quant Method : X:\Dayton SVOA GCMS\altheam\method\M6P4256.M
Quant Title : Semi Volatile GC/MS,zb-5msplus30m x .25mm x .25um
QLast Update : Thu Dec 05 02:46:59 2024
Response via : Initial Calibration

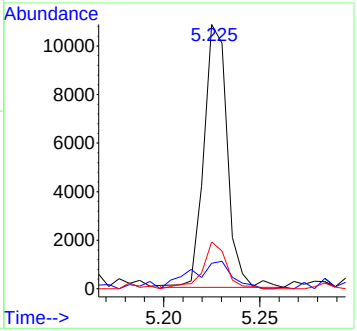


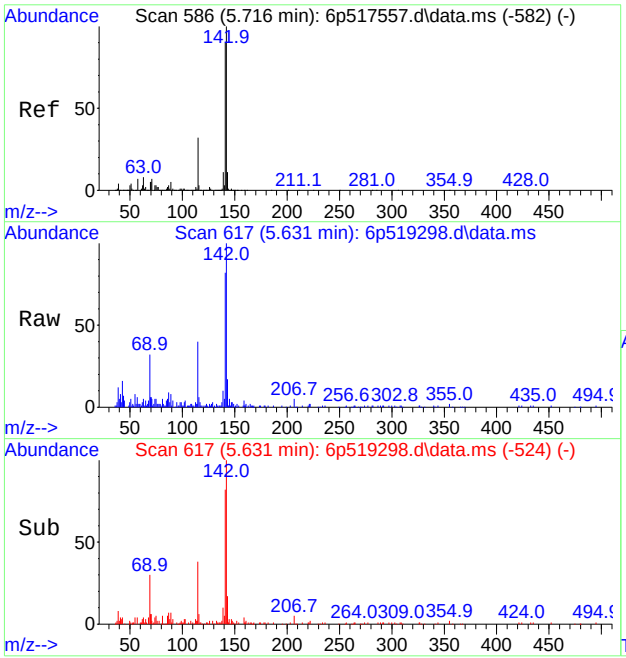


#38
Naphthalene
Concen: 0.4291 ppm
RT: 5.225 min Scan# 541
Delta R.T. -0.005 min
Lab File: 6p519298.d
Acq: 4 Dec 2024 7:23 pm

Tgt Ion:128 Resp: 9152

Ion	Ratio	Lower	Upper
128	100		
129	8.5	0.0	40.5
127	16.9	0.0	43.3

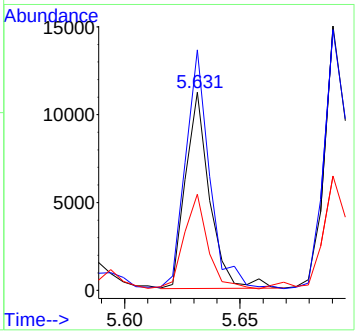


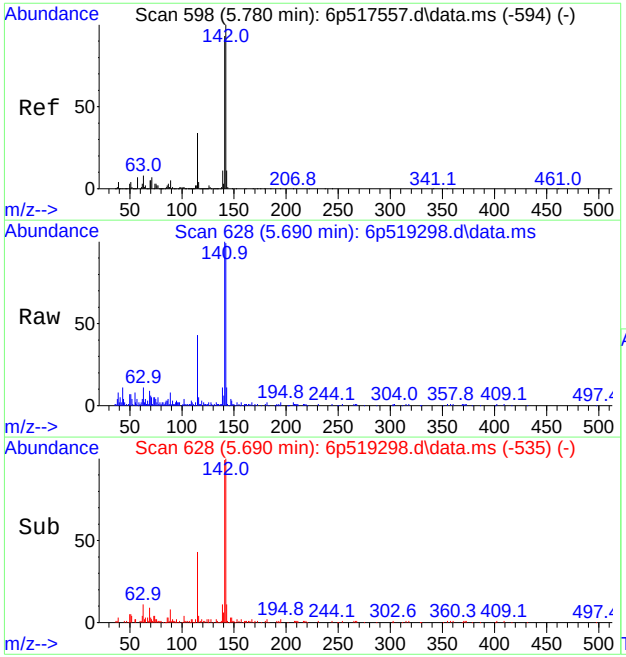


#44
2-Methylnaphthalene
Concen: 0.6519 ppm
RT: 5.631 min Scan# 617
Delta R.T. -0.000 min
Lab File: 6p519298.d
Acq: 4 Dec 2024 7:23 pm

Tgt Ion:141 Resp: 8114

Ion	Ratio	Lower	Upper
141	100		
142	122.1	85.6	145.6
115	46.2	9.2	69.2

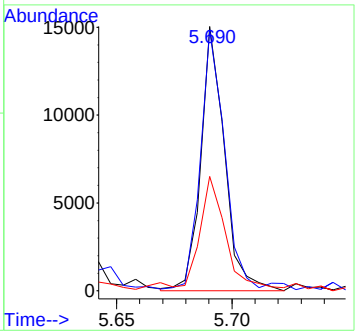


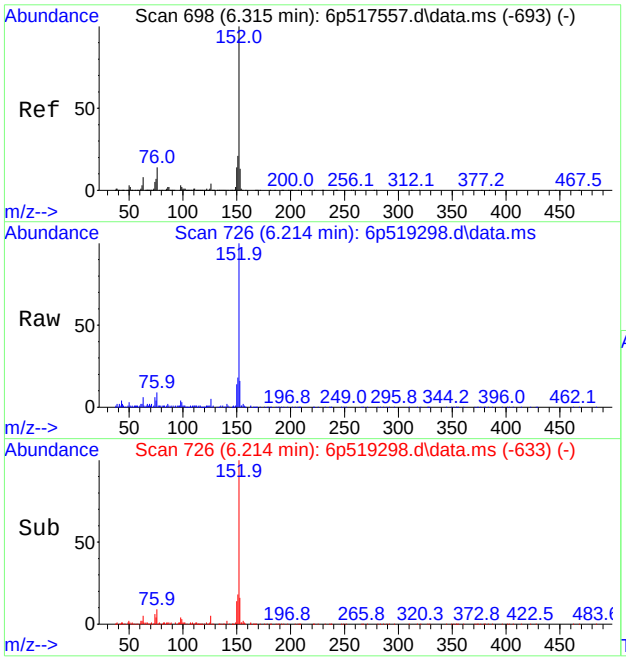


#45
1-Methylnaphthalene
Concen: 0.9028 ppm
RT: 5.690 min Scan# 628
Delta R.T. -0.000 min
Lab File: 6p519298.d
Acq: 4 Dec 2024 7:23 pm

Tgt Ion:141 Resp: 10767

Ion	Ratio	Lower	Upper
141	100		
142	97.6	83.8	143.8
115	41.5	9.6	69.6

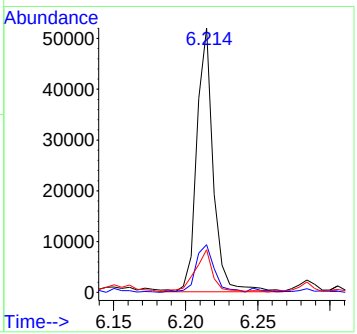


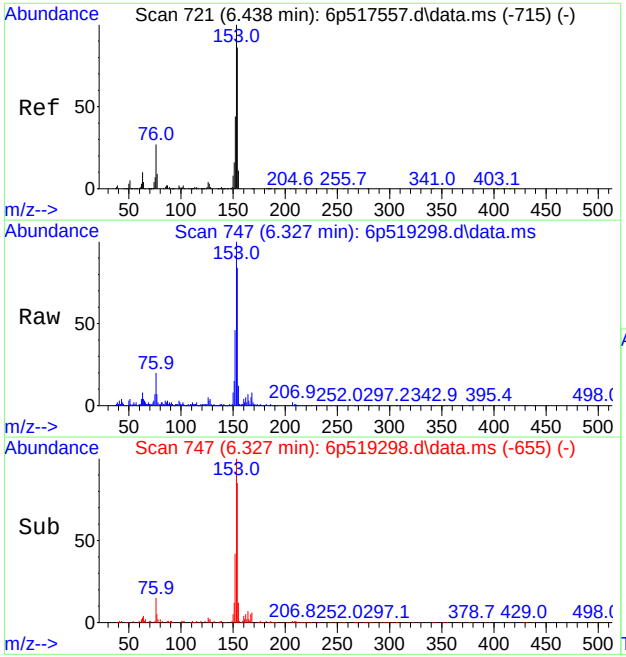


#56
Acenaphthylene
Concen: 2.4810 ppm
RT: 6.214 min Scan# 726
Delta R.T. -0.000 min
Lab File: 6p519298.d
Acq: 4 Dec 2024 7:23 pm

Tgt Ion:152 Resp: 41288

Ion	Ratio	Lower	Upper
152	100		
151	18.0	0.0	50.2
153	15.9	0.0	42.9

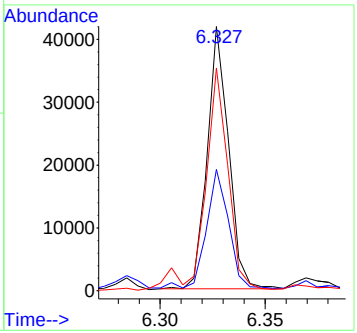


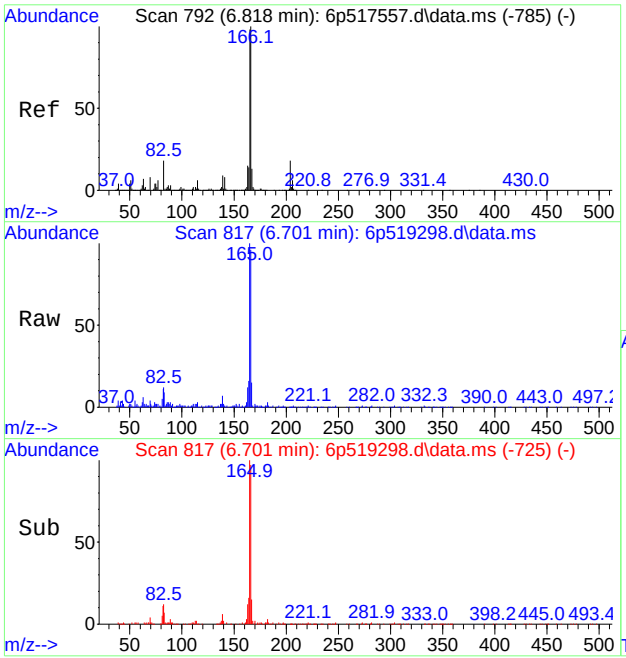


#59
Acenaphthene
Concen: 2.1320 ppm
RT: 6.327 min Scan# 747
Delta R.T. -0.005 min
Lab File: 6p519298.d
Acq: 4 Dec 2024 7:23 pm

Tgt Ion:153 Resp: 29580

Ion	Ratio	Lower	Upper
153	100		
152	45.3	14.8	74.8
154	83.2	54.8	114.8

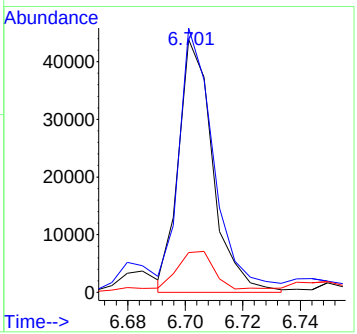


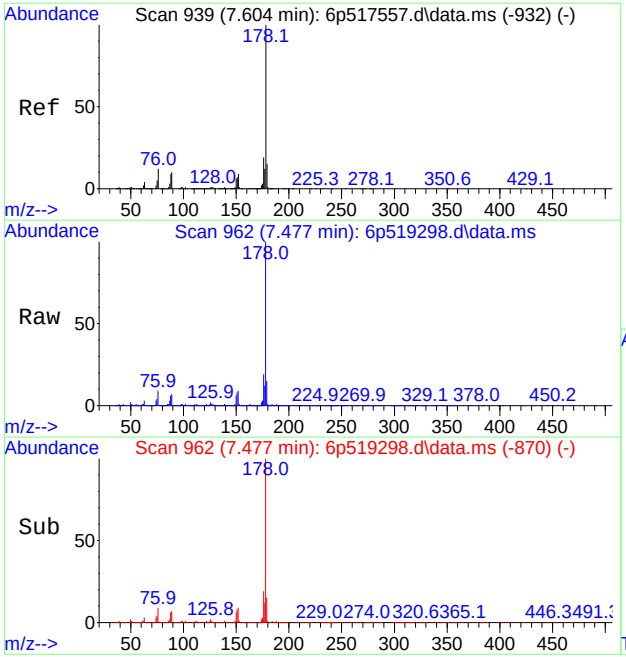


#66
Fluorene
Concen: 2.4472 ppm m
RT: 6.701 min Scan# 817
Delta R.T. -0.005 min
Lab File: 6p519298.d
Acq: 4 Dec 2024 7:23 pm

Tgt Ion:166 Resp: 36234

Ion	Ratio	Lower	Upper
166	100		
165	104.5	65.6	125.6
167	15.8	0.0	43.1

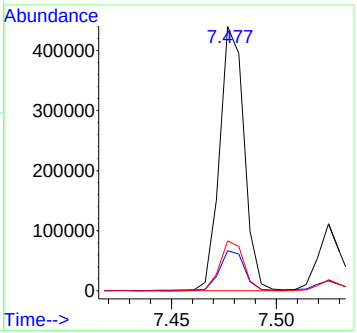


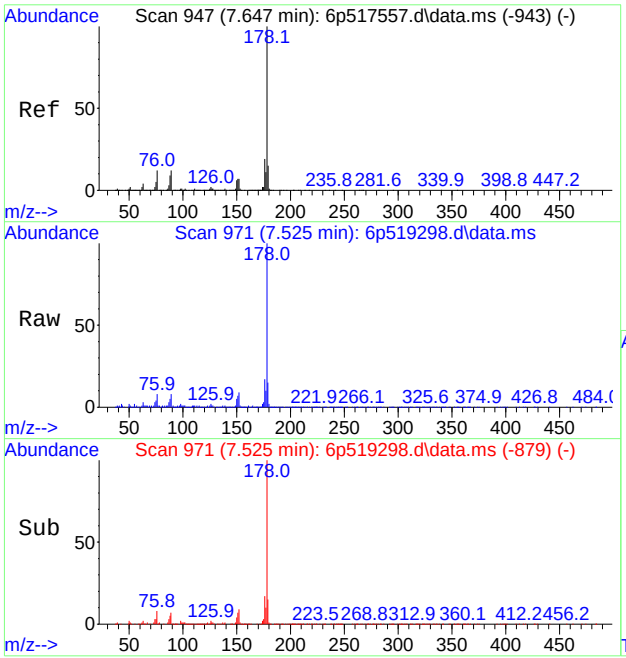


#78
Phenanthrene
Concen: 18.4463 ppm
RT: 7.477 min Scan# 962
Delta R.T. -0.005 min
Lab File: 6p519298.d
Acq: 4 Dec 2024 7:23 pm

Tgt Ion:178 Resp: 359063

Ion	Ratio	Lower	Upper
178	100		
179	15.0	0.0	44.6
176	18.8	0.0	47.5

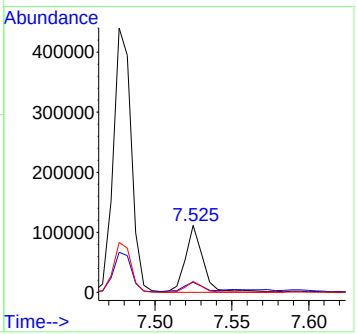


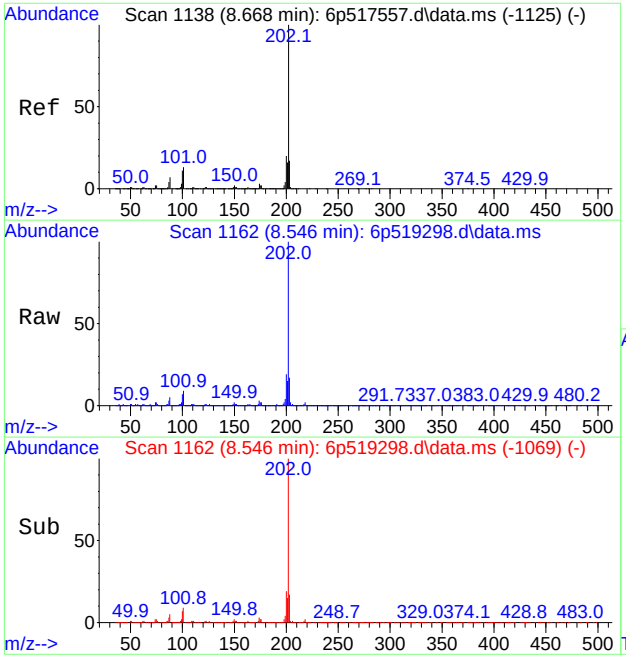


#79
Anthracene
Concen: 4.6200 ppm
RT: 7.525 min Scan# 971
Delta R.T. -0.005 min
Lab File: 6p519298.d
Acq: 4 Dec 2024 7:23 pm

Tgt Ion:178 Resp: 89755

Ion	Ratio	Lower	Upper
178	100		
179	13.4	0.0	44.5
176	16.5	0.0	47.7

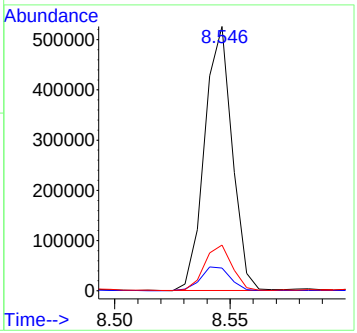


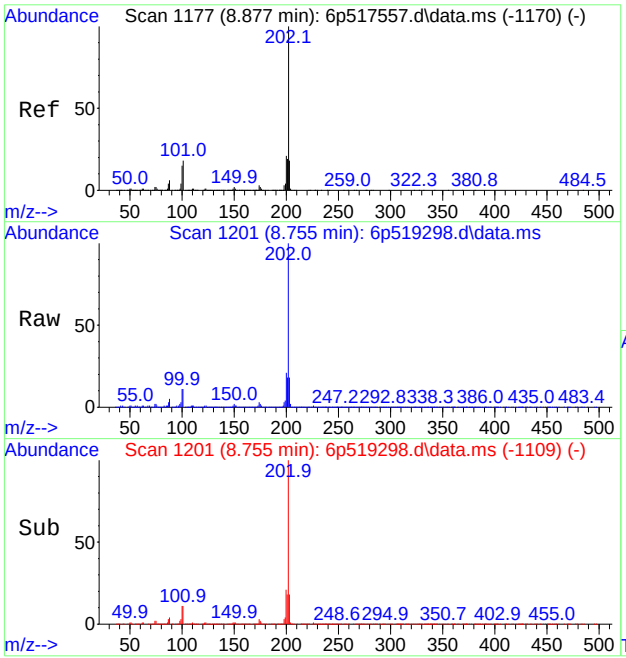


#82
Fluoranthene
Concen: 20.6542 ppm
RT: 8.546 min Scan# 1162
Delta R.T. -0.000 min
Lab File: 6p519298.d
Acq: 4 Dec 2024 7:23 pm

Tgt Ion:202 Resp: 437958

Ion	Ratio	Lower	Upper
202	100		
101	8.5	0.0	40.5
203	17.1	0.0	47.1

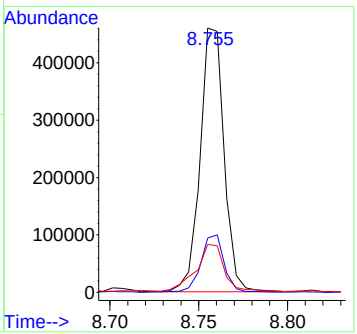


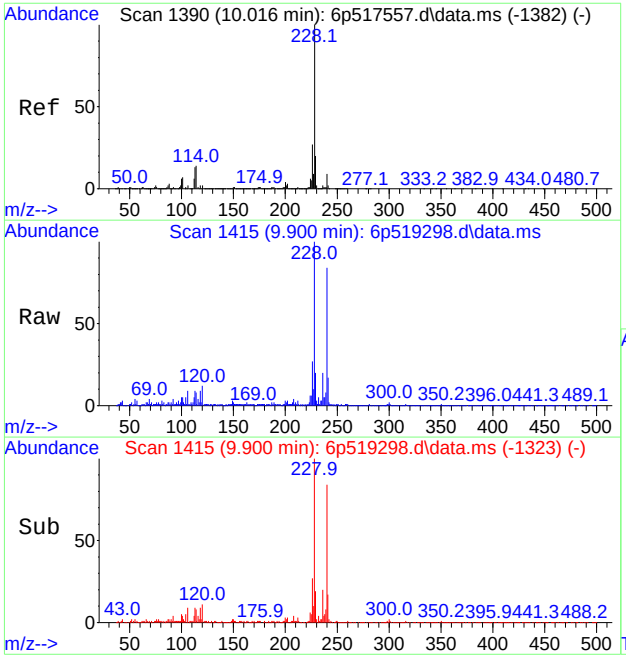


#86
Pyrene
Concen: 19.8511 ppm
RT: 8.755 min Scan# 1201
Delta R.T. -0.005 min
Lab File: 6p519298.d
Acq: 4 Dec 2024 7:23 pm

Tgt Ion:202 Resp: 430643

Ion	Ratio	Lower	Upper
202	100		
200	20.5	0.0	51.0
203	17.8	0.0	47.0

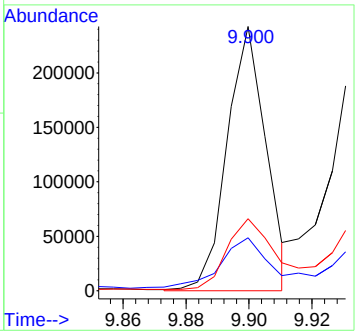


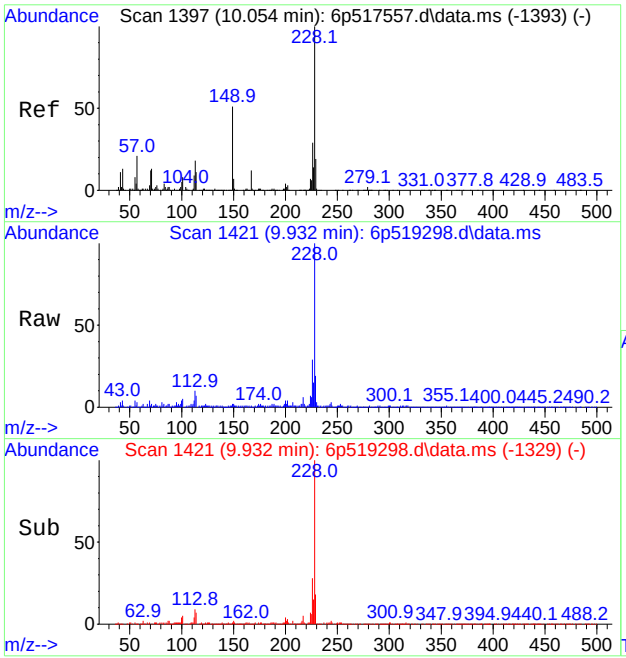


#89
Benzo[a]anthracene
Concen: 9.7328 ppm m
RT: 9.900 min Scan# 1415
Delta R.T. -0.005 min
Lab File: 6p519298.d
Acq: 4 Dec 2024 7:23 pm

Tgt Ion:228 Resp: 209234

Ion	Ratio	Lower	Upper
228	100		
229	20.1	0.0	49.3
226	27.3	0.0	55.9

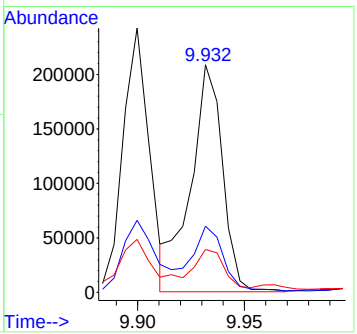


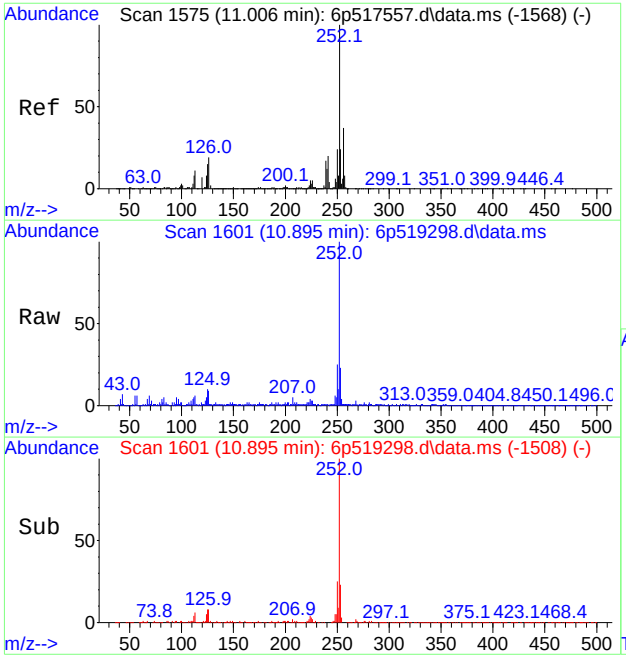


#91
Chrysene
Concen: 10.5843 ppm m
RT: 9.932 min Scan# 1421
Delta R.T. -0.005 min
Lab File: 6p519298.d
Acq: 4 Dec 2024 7:23 pm

Tgt Ion:228 Resp: 216363

Ion	Ratio	Lower	Upper
228	100		
226	29.0	0.0	58.7
229	18.8	0.0	49.9

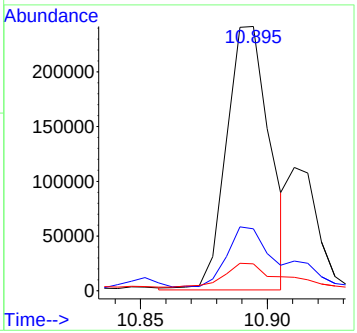


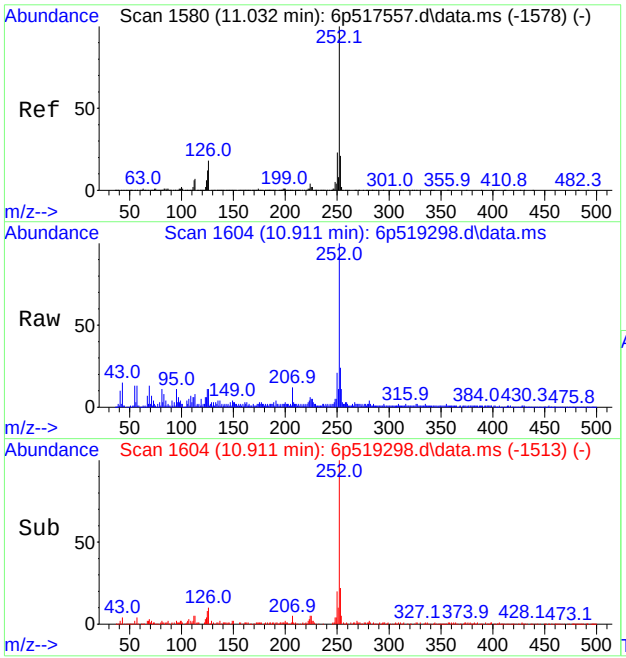


#95
Benzo[b]fluoranthene
Concen: 12.2415 ppm m
RT: 10.895 min Scan# 1601
Delta R.T. -0.000 min
Lab File: 6p519298.d
Acq: 4 Dec 2024 7:23 pm

Tgt Ion:252 Resp: 286312

Ion	Ratio	Lower	Upper
252	100		
253	23.5	0.0	51.9
125	10.2	0.0	39.9

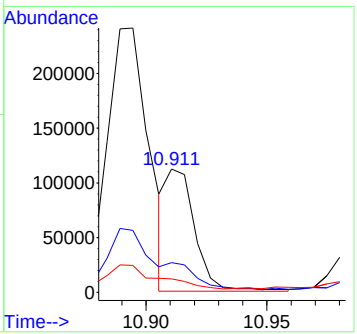


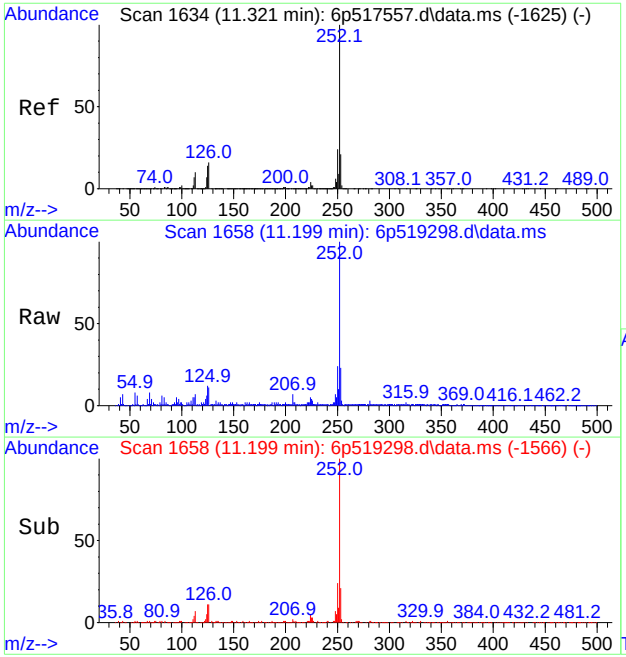


#96
Benzo[k]fluoranthene
Concen: 4.3701 ppm m
RT: 10.911 min Scan# 1604
Delta R.T. -0.011 min
Lab File: 6p519298.d
Acq: 4 Dec 2024 7:23 pm

Tgt Ion:252 Resp: 92143

Ion	Ratio	Lower	Upper
252	100		
253	24.2	0.0	51.2
125	10.9	0.0	38.0

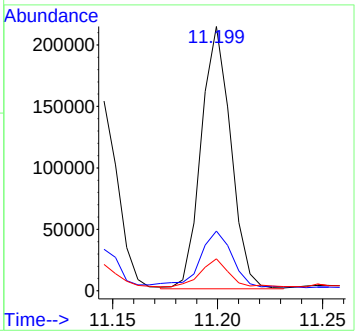


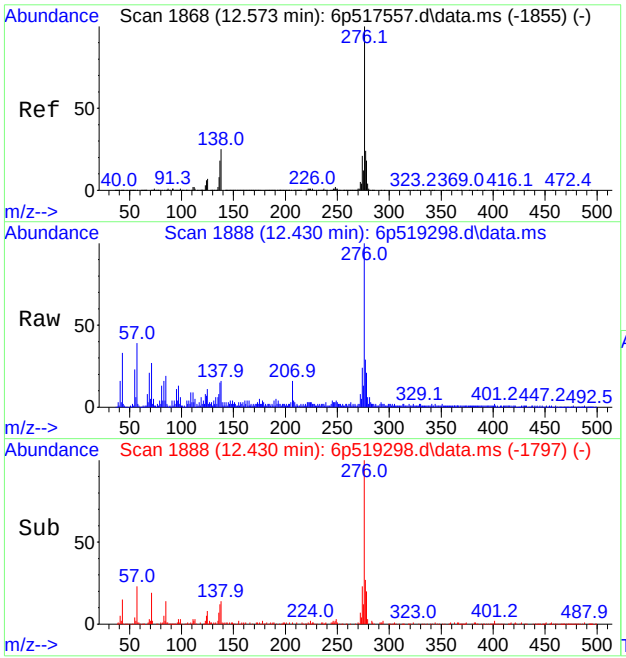


#97
Benzo[a]pyrene
Concen: 11.2799 ppm
RT: 11.199 min Scan# 1658
Delta R.T. -0.005 min
Lab File: 6p519298.d
Acq: 4 Dec 2024 7:23 pm

Tgt Ion:252 Resp: 210177

Ion	Ratio	Lower	Upper
252	100		
253	20.8	0.0	51.3
125	10.6	0.0	38.3

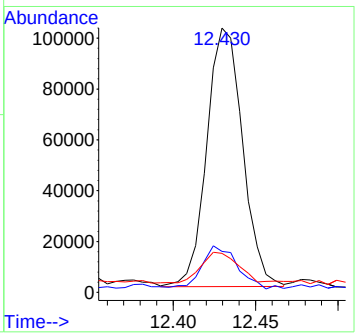


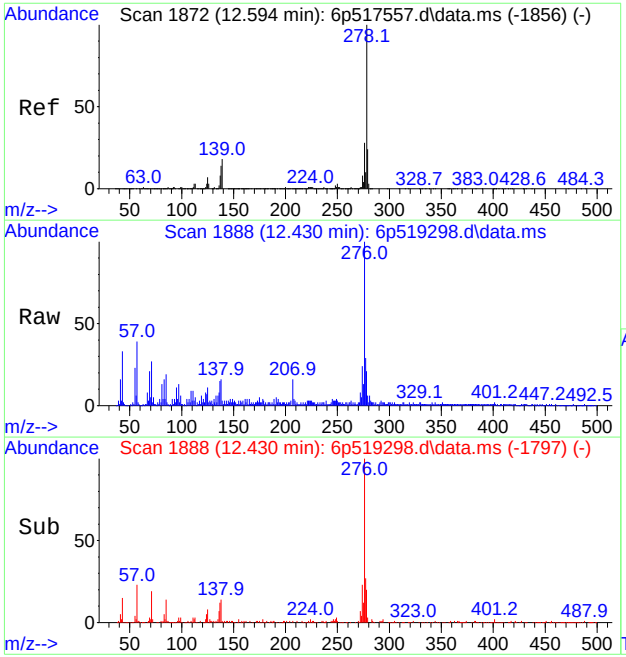


#98
Indeno[1,2,3-cd]pyrene
Concen: 5.9969 ppm
RT: 12.430 min Scan# 1888
Delta R.T. -0.011 min
Lab File: 6p519298.d
Acq: 4 Dec 2024 7:23 pm

Tgt Ion:276 Resp: 154337

Ion	Ratio	Lower	Upper
276	100		
138	14.0	0.0	48.9
137	11.1	0.0	43.6

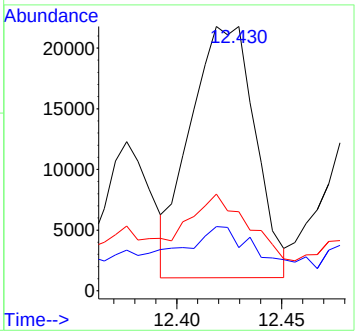


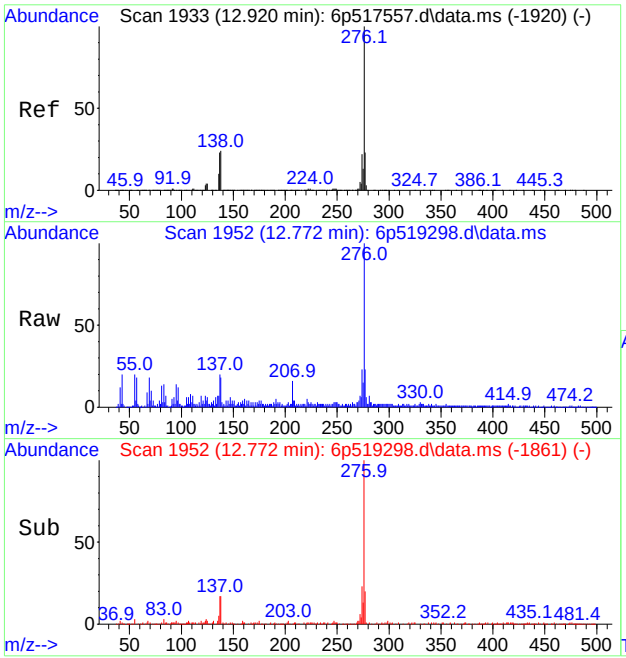


#100
Dibenz[a,h]anthracene
Concen: 2.1191 ppm
RT: 12.430 min Scan# 1888
Delta R.T. -0.011 min
Lab File: 6p519298.d
Acq: 4 Dec 2024 7:23 pm

Tgt Ion:278 Resp: 44661

Ion	Ratio	Lower	Upper
278	100		
139	3.4	0.0	40.8
279	18.0	0.0	52.4

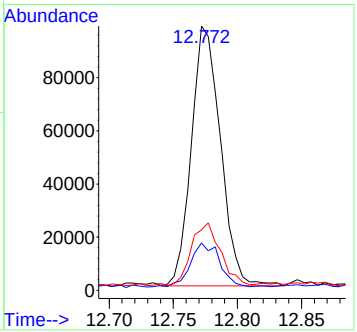




#102
Benzo[g,h,i]perylene
Concen: 7.8171 ppm
RT: 12.772 min Scan# 1952
Delta R.T. -0.011 min
Lab File: 6p519298.d
Acq: 4 Dec 2024 7:23 pm

Tgt Ion:276 Resp: 154335

Ion	Ratio	Lower	Upper
276	100		
138	16.3	0.0	44.6
277	20.8	0.0	52.7



Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\ef9918\
Data File : f223244.D
Acq On : 2 Dec 2024 3:42 pm
Operator : kaleigh
Sample : je1300-51 Inst : GCMSF
Misc : op59781,ef9918,1000,,,1,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 03 05:27:17 2024
Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\MF9899.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Tue Dec 03 04:46:57 2024
Response via : Initial Calibration

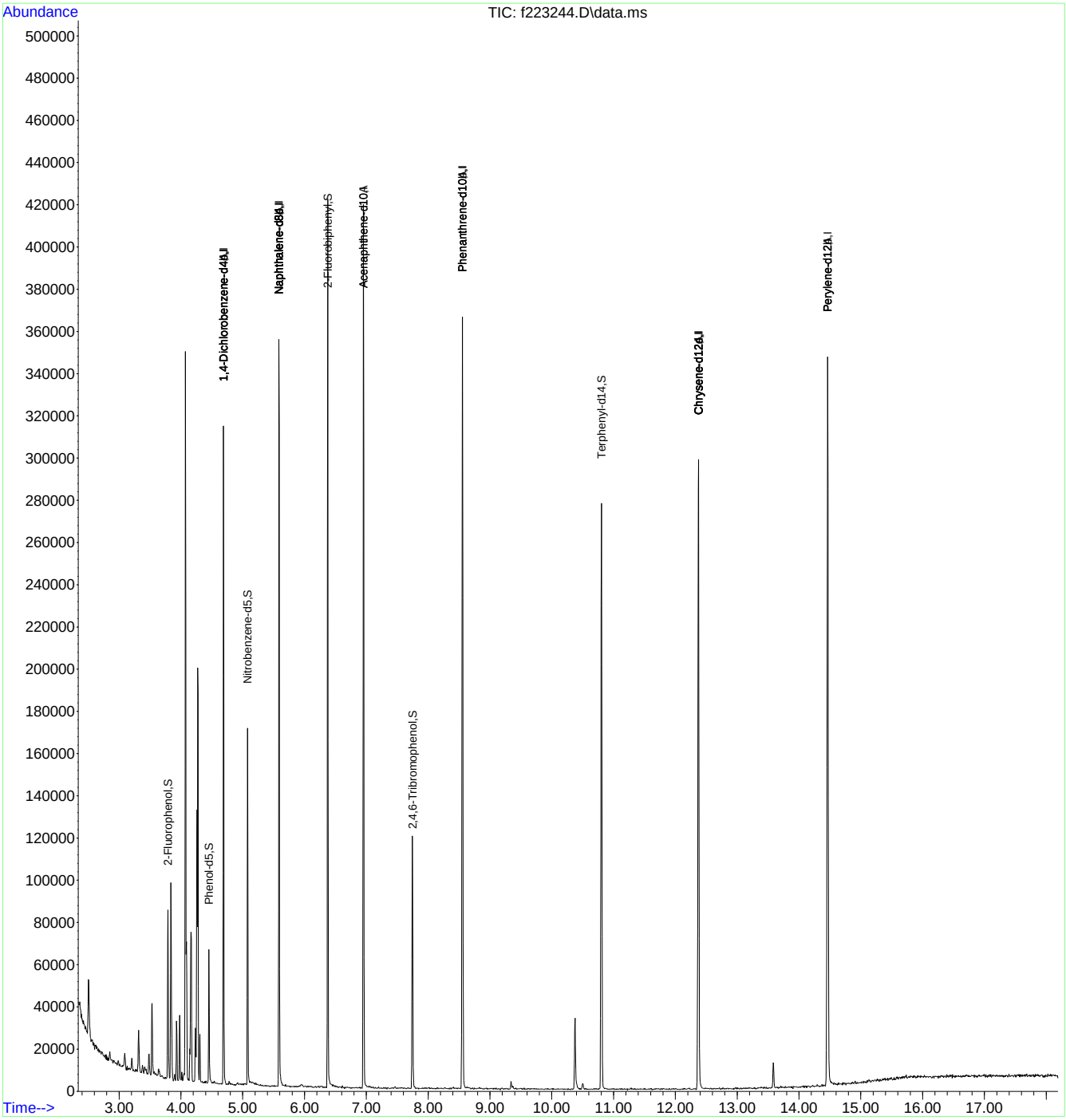
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.688	152	37815	40.00	ppm	0.00
24) Naphthalene-d8	5.586	136	143564	40.00	ppm	0.00
46) Acenaphthene-d10	6.953	164	79425	40.00	ppm	0.00
69) Phenanthrene-d10	8.556	188	154717	40.00	ppm	0.00
83) Chrysene-d12	12.376	240	142232	40.00	ppm	-0.01
92) Perylene-d12	14.464	264	160443	40.00	ppm	-0.01
102) 1,4-Dichlorobenzene-d4A	4.688	152	37815	40.00	ppm	0.00
112) Naphthalene-d8A	5.586	136	143564	40.00	ppm	0.00
121) Acenaphthene-d10A	6.953	164	79425	40.00	ppm	0.00
132) Phenanthrene-d10A	8.556	188	154717	40.00	ppm	0.00
147) Chrysene-d12A	12.376	240	142232	40.00	ppm	-0.01
154) Perylene-d12A	14.464	264	160443	40.00	ppm	-0.01
157) 1,4-Dichlorobenzene-d4b	4.688	152	37815	40.00	ppm	0.00
159) Phenanthrene-d10b	8.556	188	154717	40.00	ppm	0.00
161) Naphthalene-d8b	5.586	136	143564	40.00	ppm	0.00
163) Naphthalene-d8c	5.586	136	143564	40.00	ppm	0.00
167) 1,4-Dichlorobenzene-d4c	4.688	152	37815	40.00	ppm	0.00
169) Chrysene-d12c	12.376	240	142232	40.00	ppm	-0.01
171) Chrysene-d12d	12.376	240	142232	40.00	ppm	-0.01
173) Naphthalene-d8d	5.586	136	143564	40.00	ppm	0.00
175) Chrysene-d12e	12.376	240	142232	40.00	ppm	-0.01
177) Perylene-d12b	14.464	264	160443	40.00	ppm	-0.01
179) Naphthalene-d8e	5.586	136	143564	40.00	ppm	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.791	112	21569	21.24	ppm	0.00
Spiked Amount 50.000			Recovery = 42.48%			
8) Phenol-d5	4.453	99	17183	14.56	ppm	0.00
Spiked Amount 50.000			Recovery = 29.12%			
25) Nitrobenzene-d5	5.078	82	41894	40.94	ppm	0.00
Spiked Amount 50.000			Recovery = 81.88%			
51) 2-Fluorobiphenyl	6.376	172	107624	38.65	ppm	0.00
Spiked Amount 50.000			Recovery = 77.30%			
73) 2,4,6-Tribromophenol	7.749	330	15279	40.66	ppm	0.00
Spiked Amount 50.000			Recovery = 81.32%			
86) Terphenyl-d14	10.805	244	119395	35.89	ppm	0.00
Spiked Amount 50.000			Recovery = 71.78%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\ef9918\
Data File : f223244.D
Acq On : 2 Dec 2024 3:42 pm
Operator : kaleigh
Sample : je1300-51 Inst : GCMSF
Misc : op59781,ef9918,1000,,,1,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 03 05:27:17 2024
Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\MF9899.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Tue Dec 03 04:46:57 2024
Response via : Initial Calibration



LSC Area Percent Report

Data Path : X:\Dayton SVOA GCMS\nerirose\ef9918\
Data File : f223244.D
Acq On : 2 Dec 2024 3:42 pm
Operator : kaleigh
Sample : je1300-51
Misc : op59781,ef9918,1000,,,1,1
ALS Vial : 17 Sample Multiplier: 1

Integration Parameters: lscint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 10 Area counts
Start Thrs: 0.01 Max Peaks: 200
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : X:\Dayton SVOA GCMS\recheleb\methods\MF9899.M
Title : Semi Volatile Extractables by GC/MS

Signal : TIC: f223244.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.538	412	413	420	rVB3	1152	1055	0.25%	0.035%
2	4.688	437	441	450	rVB	311883	208153	48.36%	6.925%
3	4.779	456	458	463	rBV3	1724	1603	0.37%	0.053%
4	4.918	478	484	487	rBV6	1502	2299	0.53%	0.076%
5	5.078	511	514	522	rBV	168905	123149	28.61%	4.097%
6	5.543	599	601	603	rBV2	303	259	0.06%	0.009%
7	5.586	605	609	628	rVB	353980	270053	62.74%	8.984%
8	5.842	656	657	660	rBV	498	406	0.09%	0.014%
9	5.911	667	670	671	rBV2	632	544	0.13%	0.018%
10	5.949	673	677	679	rBV3	1075	1304	0.30%	0.043%
11	6.013	685	689	694	rVB5	715	1312	0.30%	0.044%
12	6.050	694	696	698	rBV2	685	513	0.12%	0.017%
13	6.072	698	700	703	rBV2	527	539	0.13%	0.018%
14	6.179	717	720	723	rVB3	661	696	0.16%	0.023%
15	6.232	723	730	732	rBV5	793	1325	0.31%	0.044%
16	6.253	732	734	735	rBV	459	274	0.06%	0.009%
17	6.376	753	757	771	rBV	421263	292432	67.94%	9.729%
18	6.462	772	773	775	rVB2	890	474	0.11%	0.016%
19	6.574	790	794	797	rBV4	516	678	0.16%	0.023%
20	6.611	800	801	807	rVB4	1407	1449	0.34%	0.048%
21	6.654	807	809	810	rBV2	757	475	0.11%	0.016%
22	6.691	811	816	823	rVB4	444	817	0.19%	0.027%
23	6.772	830	831	839	rBV2	361	620	0.14%	0.021%
24	6.820	839	840	842	rVV	395	282	0.07%	0.009%
25	6.841	842	844	848	rVV3	544	481	0.11%	0.016%
26	6.894	851	854	855	rVB3	721	501	0.12%	0.017%
27	6.953	859	865	878	rVV	418829	329256	76.49%	10.954%
28	7.033	878	880	883	rVV3	1102	1189	0.28%	0.040%
29	7.055	883	884	889	rVV5	1154	1239	0.29%	0.041%
30	7.113	890	895	897	rVV4	745	873	0.20%	0.029%
31	7.145	900	901	906	rVV	518	310	0.07%	0.010%
32	7.199	909	911	914	rVB2	757	415	0.10%	0.014%
33	7.279	924	926	929	rVB3	541	444	0.10%	0.015%
34	7.311	931	932	936	rVB2	828	652	0.15%	0.022%
35	7.348	936	939	945	rBV3	823	1182	0.27%	0.039%
36	7.397	945	948	949	rBV2	428	256	0.06%	0.009%
37	7.418	950	952	954	rVV3	404	306	0.07%	0.010%
38	7.466	957	961	964	rVB5	947	1083	0.25%	0.036%
39	7.530	970	973	975	rBV3	293	373	0.09%	0.012%
40	7.605	986	987	989	rBV2	452	293	0.07%	0.010%

LSC Area Percent Report

Data Path : X:\Dayton SVOA GCMS\nerirose\ef9918\
Data File : f223244.D
Acq On : 2 Dec 2024 3:42 pm
Operator : kaleigh
Sample : je1300-51
Misc : op59781,ef9918,1000,,,1,1
ALS Vial : 17 Sample Multiplier: 1

Integration Parameters: lscint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 10 Area counts
Start Thrs: 0.01 Max Peaks: 200
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : X:\Dayton SVOA GCMS\recheleb\methods\MF9899.M
Title : Semi Volatile Extractables by GC/MS

41	7.669	995	999	1002	rBV3	601	809	0.19%	0.027%
42	7.744	1007	1013	1023	rBV	119839	113593	26.39%	3.779%
43	7.909	1042	1044	1045	rVB	361	231	0.05%	0.008%
44	7.952	1048	1052	1053	rVB2	453	401	0.09%	0.013%
45	7.995	1058	1060	1064	rBV2	499	618	0.14%	0.021%
46	8.054	1068	1071	1073	rVB2	386	345	0.08%	0.011%
47	8.091	1076	1078	1084	rVB3	584	807	0.19%	0.027%
48	8.155	1084	1090	1093	rBV2	734	1142	0.27%	0.038%
49	8.198	1093	1098	1100	rBV3	408	557	0.13%	0.019%
50	8.214	1100	1101	1107	rVB4	358	376	0.09%	0.013%
51	8.267	1107	1111	1119	rBB2	602	940	0.22%	0.031%
52	8.321	1119	1121	1125	rVB2	342	346	0.08%	0.012%
53	8.353	1125	1127	1130	rVB2	650	694	0.16%	0.023%
54	8.380	1130	1132	1133	rBV	721	406	0.09%	0.014%
55	8.412	1134	1138	1141	rVB3	767	699	0.16%	0.023%
56	8.433	1141	1142	1147	rVB2	400	362	0.08%	0.012%
57	8.486	1151	1152	1156	rVB2	364	301	0.07%	0.010%
58	8.556	1156	1165	1174	rBV	365691	362068	84.11%	12.045%
59	8.631	1178	1179	1182	rVV2	777	616	0.14%	0.020%
60	8.652	1182	1183	1190	rVB5	902	1414	0.33%	0.047%
61	8.716	1190	1195	1198	rBV4	655	964	0.22%	0.032%
62	8.748	1198	1201	1207	rBV2	586	646	0.15%	0.021%
63	8.823	1207	1215	1216	rBV4	681	988	0.23%	0.033%
64	8.887	1226	1227	1230	rVB	501	328	0.08%	0.011%
65	8.919	1230	1233	1235	rBV2	578	599	0.14%	0.020%
66	8.946	1235	1238	1241	rVB3	697	721	0.17%	0.024%
67	8.967	1241	1242	1246	rBV3	468	514	0.12%	0.017%
68	9.005	1246	1249	1251	rVB4	367	285	0.07%	0.009%
69	9.026	1251	1253	1258	rVB3	584	748	0.17%	0.025%
70	9.058	1258	1259	1261	rBV2	555	407	0.09%	0.014%
71	9.101	1266	1267	1269	rVV2	679	274	0.06%	0.009%
72	9.138	1273	1274	1279	rVB2	686	895	0.21%	0.030%
73	9.197	1279	1285	1289	rBV4	984	2150	0.50%	0.072%
74	9.240	1291	1293	1294	rVB	466	276	0.06%	0.009%
75	9.256	1294	1296	1300	rBV2	467	572	0.13%	0.019%
76	9.288	1300	1302	1304	rVB2	404	331	0.08%	0.011%
77	9.341	1307	1312	1315	rBV3	3684	3632	0.84%	0.121%
78	9.368	1315	1317	1322	rVB2	1429	1486	0.35%	0.049%
79	9.448	1330	1332	1336	rBV	337	552	0.13%	0.018%
80	9.512	1337	1344	1346	rVB4	778	1256	0.29%	0.042%
81	9.555	1346	1352	1354	rVB3	833	952	0.22%	0.032%
82	9.571	1354	1355	1357	rBV2	462	253	0.06%	0.008%
83	9.624	1361	1365	1367	rBV3	526	618	0.14%	0.021%
84	9.667	1371	1373	1375	rBV2	526	303	0.07%	0.010%
85	9.704	1377	1380	1381	rVV3	366	315	0.07%	0.010%

LSC Area Percent Report

Data Path : X:\Dayton SVOA GCMS\nerirose\ef9918\
Data File : f223244.D
Acq On : 2 Dec 2024 3:42 pm
Operator : kaleigh
Sample : je1300-51
Misc : op59781,ef9918,1000,,,1,1
ALS Vial : 17 Sample Multiplier: 1

Integration Parameters: lscint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 10 Area counts
Start Thrs: 0.01 Max Peaks: 200
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : X:\Dayton SVOA GCMS\recheleb\methods\MF9899.M
Title : Semi Volatile Extractables by GC/MS

86	9.720	1381	1383	1387	rVV2	477	281	0.07%	0.009%
87	9.753	1387	1389	1391	rVB	476	263	0.06%	0.009%
88	9.774	1391	1393	1397	rBV2	353	315	0.07%	0.010%
89	9.897	1413	1416	1420	rBV3	384	552	0.13%	0.018%
90	9.929	1420	1422	1423	rVB2	480	285	0.07%	0.009%
91	9.982	1429	1432	1435	rBV2	330	512	0.12%	0.017%
92	10.009	1436	1437	1439	rVB	652	300	0.07%	0.010%
93	10.025	1439	1440	1445	rBV2	649	721	0.17%	0.024%
94	10.100	1451	1454	1458	rBV2	505	531	0.12%	0.018%
95	10.201	1471	1473	1476	rBV2	366	357	0.08%	0.012%
96	10.223	1476	1477	1480	rVV	324	313	0.07%	0.010%
97	10.265	1484	1485	1492	rVB3	665	879	0.20%	0.029%
98	10.329	1492	1497	1499	rBV3	597	890	0.21%	0.030%
99	10.378	1499	1506	1520	rBV	33879	42104	9.78%	1.401%
100	10.458	1520	1521	1524	rVB2	690	439	0.10%	0.015%
101	10.500	1524	1529	1535	rBV4	2945	4451	1.03%	0.148%
102	10.543	1535	1537	1541	rVB3	644	644	0.15%	0.021%
103	10.570	1541	1542	1546	rBV	425	316	0.07%	0.011%
104	10.602	1546	1548	1551	rVB2	334	300	0.07%	0.010%
105	10.634	1551	1554	1558	rBV2	332	526	0.12%	0.017%
106	10.687	1560	1564	1566	rBB	449	465	0.11%	0.015%
107	10.719	1566	1570	1571	rBV	408	403	0.09%	0.013%
108	10.805	1575	1586	1595	rBV	277795	308809	71.74%	10.274%
109	10.869	1597	1598	1604	rVB4	584	606	0.14%	0.020%
110	10.944	1610	1612	1615	rVB2	483	448	0.10%	0.015%
111	10.976	1615	1618	1620	rBV3	551	622	0.14%	0.021%
112	11.008	1622	1624	1627	rVV2	650	447	0.10%	0.015%
113	11.029	1627	1628	1631	rVV2	386	302	0.07%	0.010%
114	11.051	1631	1632	1634	rVV2	460	295	0.07%	0.010%
115	11.088	1636	1639	1643	rVV4	495	670	0.16%	0.022%
116	11.120	1643	1645	1647	rVV4	611	455	0.11%	0.015%
117	11.141	1647	1649	1651	rVV	541	439	0.10%	0.015%
118	11.179	1651	1656	1660	rVV3	519	738	0.17%	0.025%
119	11.222	1660	1664	1665	rVB2	843	708	0.16%	0.024%
120	11.248	1665	1669	1672	rBV	609	1109	0.26%	0.037%
121	11.286	1672	1676	1682	rVV3	890	1436	0.33%	0.048%
122	11.344	1686	1687	1692	rVV3	521	540	0.13%	0.018%
123	11.382	1692	1694	1698	rVV2	479	504	0.12%	0.017%
124	11.414	1698	1700	1703	rVV3	418	541	0.13%	0.018%
125	11.435	1703	1704	1709	rVV2	509	629	0.15%	0.021%
126	11.489	1712	1714	1715	rVV2	470	343	0.08%	0.011%
127	11.505	1715	1717	1720	rVB	780	490	0.11%	0.016%
128	11.601	1731	1735	1736	rBV4	404	381	0.09%	0.013%
129	11.628	1739	1740	1743	rBV2	502	471	0.11%	0.016%

LSC Area Percent Report

Data Path : X:\Dayton SVOA GCMS\nerirose\ef9918\
Data File : f223244.D
Acq On : 2 Dec 2024 3:42 pm
Operator : kaleigh
Sample : je1300-51
Misc : op59781,ef9918,1000,,,1,1
ALS Vial : 17 Sample Multiplier: 1

Integration Parameters: lscint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 10 Area counts
Start Thrs: 0.01 Max Peaks: 200
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : X:\Dayton SVOA GCMS\recheleb\methods\MF9899.M
Title : Semi Volatile Extractables by GC/MS

130	11.654	1744	1745	1747	rBV	400	238	0.06%	0.008%
131	11.686	1749	1751	1753	rBV2	539	388	0.09%	0.013%
132	11.729	1756	1759	1764	rVB5	674	1006	0.23%	0.033%
133	11.767	1764	1766	1768	rBV2	701	641	0.15%	0.021%
134	11.809	1771	1774	1779	rBV3	533	858	0.20%	0.029%
135	11.900	1789	1791	1797	rBV3	621	509	0.12%	0.017%
136	11.943	1797	1799	1802	rVV3	481	259	0.06%	0.009%
137	11.970	1802	1804	1806	rVB2	520	371	0.09%	0.012%
138	11.991	1806	1808	1809	rBV	401	267	0.06%	0.009%
139	12.007	1809	1811	1815	rVB3	646	662	0.15%	0.022%
140	12.114	1827	1831	1832	rVB4	373	354	0.08%	0.012%
141	12.135	1832	1835	1836	rBV2	666	430	0.10%	0.014%
142	12.146	1836	1837	1843	rBV3	573	529	0.12%	0.018%
143	12.199	1843	1847	1848	rBV2	343	301	0.07%	0.010%
144	12.301	1858	1866	1868	rBV3	601	942	0.22%	0.031%
145	12.327	1868	1871	1872	rVB2	668	540	0.13%	0.018%
146	12.376	1872	1880	1894	rBV	298643	375872	87.32%	12.505%
147	12.488	1899	1901	1903	rVV2	468	387	0.09%	0.013%
148	12.509	1904	1905	1908	rVB4	331	231	0.05%	0.008%
149	12.568	1913	1916	1921	rVB5	615	778	0.18%	0.026%
150	12.605	1921	1923	1925	rBV2	388	229	0.05%	0.008%
151	12.627	1925	1927	1931	rBV2	577	563	0.13%	0.019%
152	12.664	1931	1934	1935	rBV2	416	337	0.08%	0.011%
153	12.712	1941	1943	1947	rVB3	936	761	0.18%	0.025%
154	12.744	1947	1949	1951	rBV3	585	571	0.13%	0.019%
155	12.771	1951	1954	1957	rVV2	784	722	0.17%	0.024%
156	12.808	1959	1961	1964	rVB2	451	417	0.10%	0.014%
157	12.846	1964	1968	1971	rVB3	554	789	0.18%	0.026%
158	12.872	1971	1973	1979	rBV2	486	804	0.19%	0.027%
159	12.942	1984	1986	1987	rVB2	630	355	0.08%	0.012%
160	12.969	1987	1991	1992	rBV3	882	864	0.20%	0.029%
161	13.001	1996	1997	1998	rBV3	773	280	0.07%	0.009%
162	13.054	2005	2007	2011	rBV3	681	720	0.17%	0.024%
163	13.081	2011	2012	2014	rBV2	458	270	0.06%	0.009%
164	13.102	2014	2016	2021	rVB2	497	766	0.18%	0.025%
165	13.134	2021	2022	2027	rBV4	592	645	0.15%	0.021%
166	13.188	2030	2032	2033	rBV	431	251	0.06%	0.008%
167	13.204	2034	2035	2038	rBV	372	231	0.05%	0.008%
168	13.284	2044	2050	2052	rVB3	665	841	0.20%	0.028%
169	13.353	2056	2063	2066	rVV4	654	1123	0.26%	0.037%
170	13.385	2066	2069	2074	rVV5	780	1090	0.25%	0.036%
171	13.439	2078	2079	2082	rBV	731	629	0.15%	0.021%
172	13.471	2084	2085	2089	rVB3	697	387	0.09%	0.013%
173	13.524	2092	2095	2098	rBV2	378	475	0.11%	0.016%

LSC Area Percent Report

Data Path : X:\Dayton SVOA GCMS\nerirose\ef9918\
Data File : f223244.D
Acq On : 2 Dec 2024 3:42 pm
Operator : kaleigh
Sample : je1300-51
Misc : op59781,ef9918,1000,,,1,1
ALS Vial : 17 Sample Multiplier: 1

Integration Parameters: lscint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 10 Area counts
Start Thrs: 0.01 Max Peaks: 200
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : X:\Dayton SVOA GCMS\recheleb\methods\MF9899.M
Title : Semi Volatile Extractables by GC/MS

174	13.583	2098	2106	2113	rBV	12169	14239	3.31%	0.474%
175	13.631	2113	2115	2119	rVB2	472	537	0.12%	0.018%
176	13.706	2122	2129	2131	rBV4	1254	1604	0.37%	0.053%
177	13.722	2131	2132	2136	rBV4	553	442	0.10%	0.015%
178	13.781	2141	2143	2147	rBV2	788	633	0.15%	0.021%
179	13.823	2149	2151	2153	rBV2	473	345	0.08%	0.011%
180	13.866	2156	2159	2162	rVB4	797	810	0.19%	0.027%
181	13.887	2162	2163	2166	rVB2	1196	787	0.18%	0.026%
182	13.914	2166	2168	2173	rBV4	1238	2338	0.54%	0.078%
183	14.005	2183	2185	2188	rVB3	473	491	0.11%	0.016%
184	14.053	2189	2194	2195	rBV4	586	857	0.20%	0.029%
185	14.069	2196	2197	2200	rVB	1121	841	0.20%	0.028%
186	14.101	2200	2203	2207	rVB4	1101	1660	0.39%	0.055%
187	14.149	2209	2212	2218	rVB4	775	1547	0.36%	0.051%
188	14.224	2218	2226	2230	rBV5	1144	2301	0.53%	0.077%
189	14.293	2238	2239	2247	rVB3	1138	1497	0.35%	0.050%
190	14.374	2252	2254	2257	rVB3	1062	751	0.17%	0.025%
191	14.400	2257	2259	2261	rBV2	834	656	0.15%	0.022%
192	14.464	2264	2271	2289	rBV	345662	430457	100.00%	14.321%
193	14.571	2289	2291	2294	rBV2	859	885	0.21%	0.029%
194	14.641	2301	2304	2308	rBV3	1155	1060	0.25%	0.035%
195	14.715	2316	2318	2321	rBV4	1355	1459	0.34%	0.049%
196	14.774	2326	2329	2332	rBV3	995	1547	0.36%	0.051%
197	14.908	2351	2354	2357	rVB3	1480	1442	0.33%	0.048%
198	15.047	2379	2380	2383	rBV2	1077	911	0.21%	0.030%
199	15.105	2389	2391	2393	rBV3	1265	1181	0.27%	0.039%
200	15.586	2478	2481	2486	rBV6	1256	1697	0.39%	0.056%

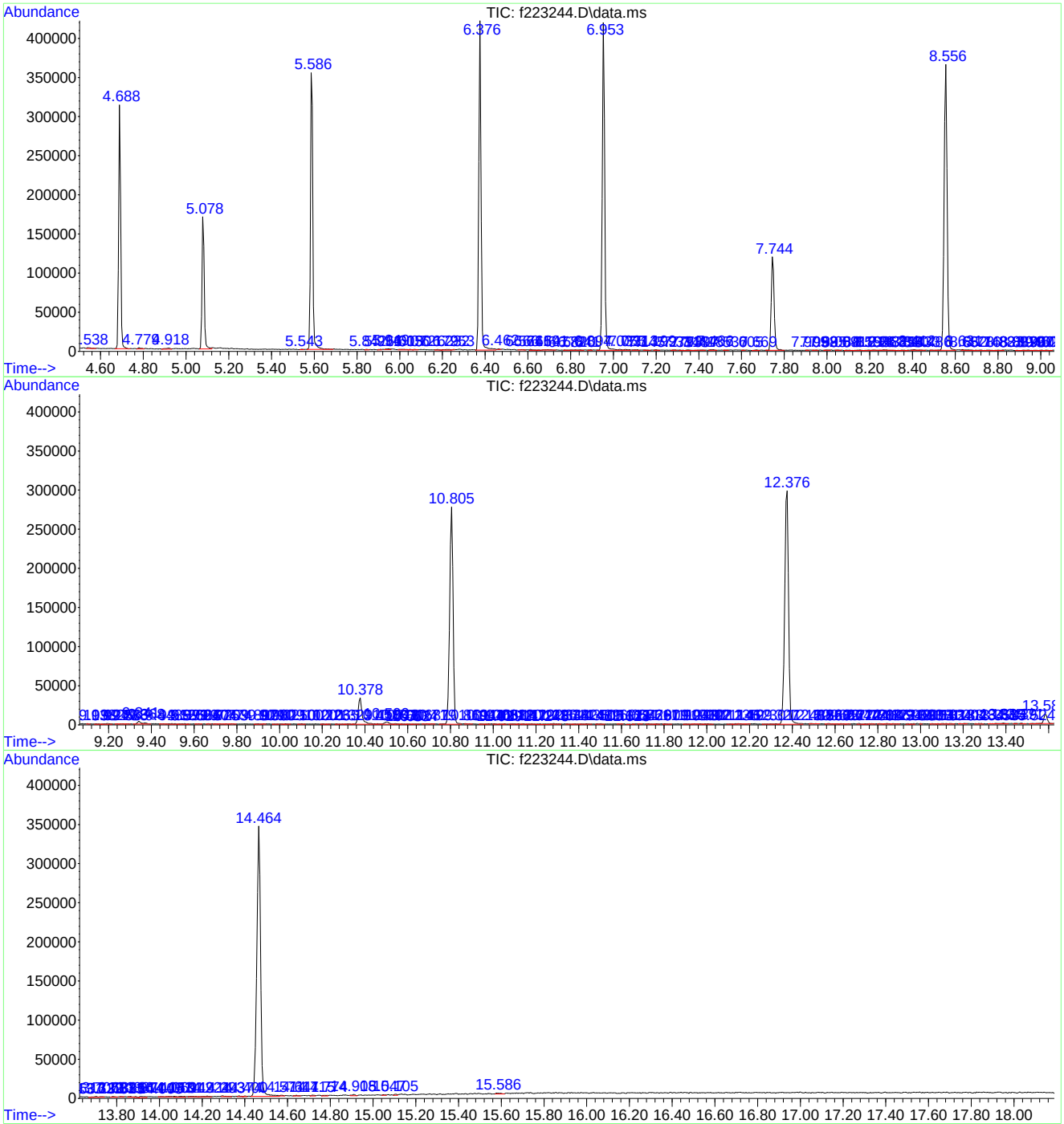
Sum of corrected areas: 3005842

LSC Report - Integrated Chromatogram

Data Path : X:\Dayton SVOA GCMS\nerirose\ef9918\
Data File : f223244.D
Acq On : 2 Dec 2024 3:42 pm
Operator : kaleigh
Sample : je1300-51
Misc : op59781,ef9918,1000,,,1,1
ALS Vial : 17 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\MF9899.M
Quant Title : Semi Volatile Extractables by GC/MS

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\nerirose\ef9918\
Data File : f223244.D
Acq On : 2 Dec 2024 3:42 pm
Operator : kaleigh
Sample : je1300-51
Misc : op59781,ef9918,1000,,,1,1
ALS Vial : 17 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\MF9899.M
Quant Title : Semi Volatile Extractables by GC/MS

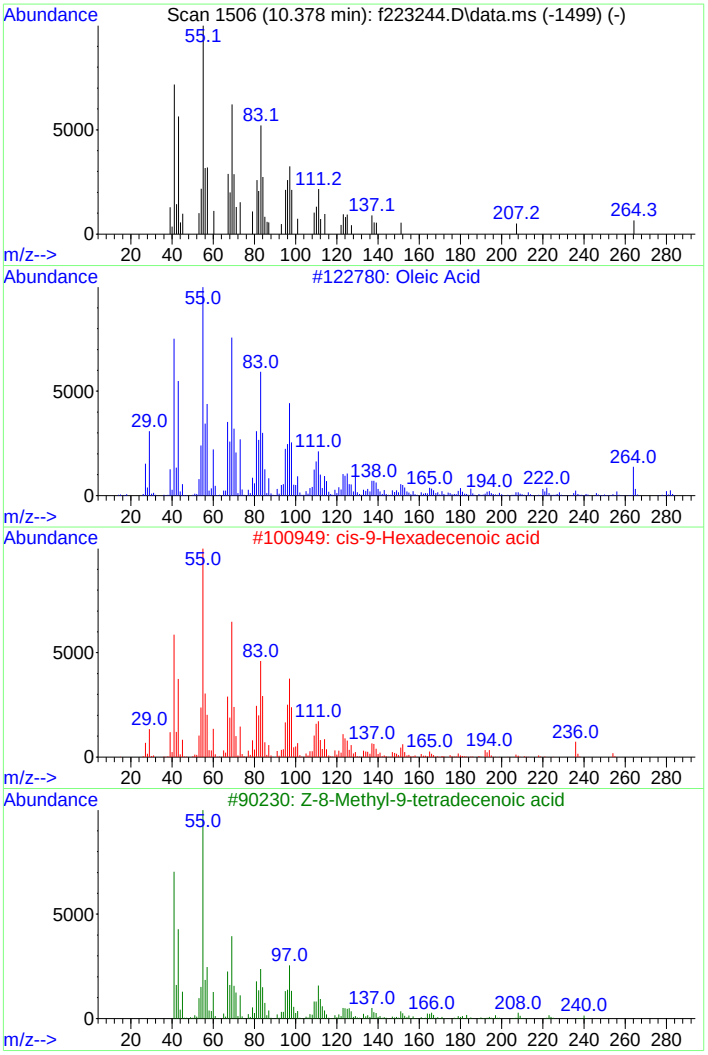
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: LSCINT.P

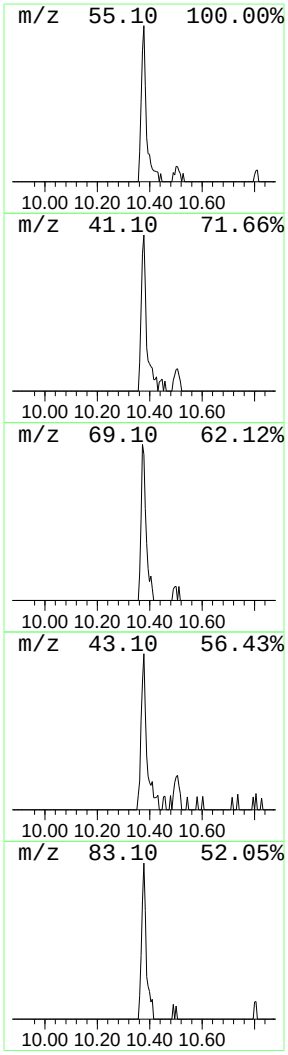
****

Peak Number 1 unknown Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.378	4.65 ppm	42104	Phenanthrene-d10b	8.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oleic Acid	282	C18H34O2	000112-80-1	90
2	cis-9-Hexadecenoic acid	254	C16H30O2	1000333-19-5	81
3	Z-8-Methyl-9-tetradecenoic acid	240	C15H28O2	1000130-84-5	80
4	cis-Vaccenic acid	282	C18H34O2	000506-17-2	74
5	9-Hexadecenoic acid, methyl este...	268	C17H32O2	001120-25-8	72





Tentatively Identified Compound (LSC) summary

Data Path : X:\Dayton SVOA GCMS\nerirose\ef9918\
Data File : f223244.D
Acq On : 2 Dec 2024 3:42 pm
Operator : kaleigh
Sample : je1300-51
Misc : op59781,ef9918,1000,,,1,1
ALS Vial : 17 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\MF9899.M
Quant Title : Semi Volatile Extractables by GC/MS

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown	10.378	4.7	ppm	42104	15	8.556	362068	40.0

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\altheam\e6p4327\
Data File : 6p519292.d
Acq On : 4 Dec 2024 5:21 pm
Operator : anthonyo
Sample : op59835-mb1 Inst : GCMS6P
Misc : op59835,e6p4327,30.0,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 05 03:08:55 2024
Quant Method : X:\Dayton SVOA GCMS\altheam\method\M6P4256.M
Quant Title : Semi Volatile GC/MS,zb-5msplus30m x .25mm x .25um
QLast Update : Thu Dec 05 02:46:59 2024
Response via : Initial Calibration

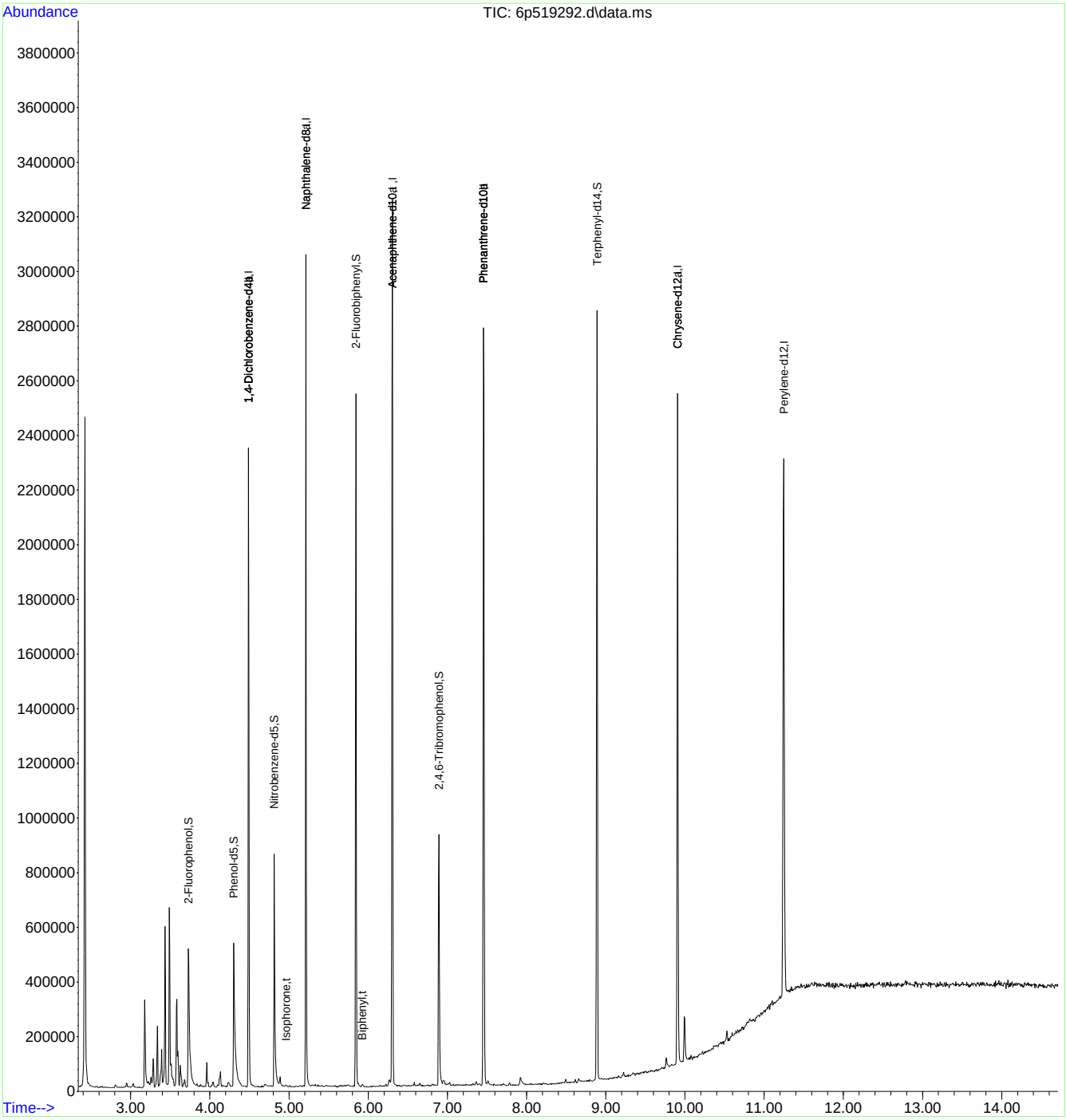
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.487	152	255776	40.00	ppm	0.00
24) Naphthalene-d8	5.214	136	1001600	40.00	ppm	0.00
46) Acenaphthene-d10	6.306	164	556104	40.00	ppm	0.00
69) Phenanthrene-d10	7.456	188	951875	40.00	ppm	0.00
84) Chrysene-d12	9.905	240	826029	40.00	ppm	0.00
93) Perylene-d12	11.248	264	845703	40.00	ppm	0.00
103) 1,4-Dichlorobenzene-d4a	4.487	152	255776	40.00	ppm	0.00
105) Phenanthrene-d10a	7.456	188	951875	40.00	ppm	0.00
107) Naphthalene-d8a	5.214	136	1001600	40.00	ppm	0.00
109) 1,4-Dichlorobenzene-d4b	4.487	152	255776	40.00	ppm	0.00
112) Acenaphthene-d10a	6.306	164	556104	40.00	ppm	0.00
114) Phenanthrene-d10b	7.456	188	951875	40.00	ppm	# 0.00
117) Chrysene-d12a	9.905	240	826029	40.00	ppm	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.728	112	188975	22.28	ppm	0.00
Spiked Amount 50.000			Recovery =	44.56%		
8) Phenol-d5	4.300	99	261331	23.38	ppm	0.00
Spiked Amount 50.000			Recovery =	46.76%		
25) Nitrobenzene-d5	4.813	82	252672	25.69	ppm	0.00
Spiked Amount 50.000			Recovery =	51.38%		
51) 2-Fluorobiphenyl	5.846	172	554759	30.55	ppm	0.00
Spiked Amount 50.000			Recovery =	61.10%		
74) 2,4,6-Tribromophenol	6.894	330	117189	41.68	ppm	0.00
Spiked Amount 50.000			Recovery =	83.36%		
87) Terphenyl-d14	8.889	244	848211	39.86	ppm	0.00
Spiked Amount 50.000			Recovery =	79.72%		
115) 1-chlorooctadecane	0.000	57	0d	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
116) o-terphenyl	0.000	230	0d	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
28) Isophorone	4.963	82	2691	0.1408	ppm	82
53) Biphenyl	5.920	154	1391	0.0662	ppm	83

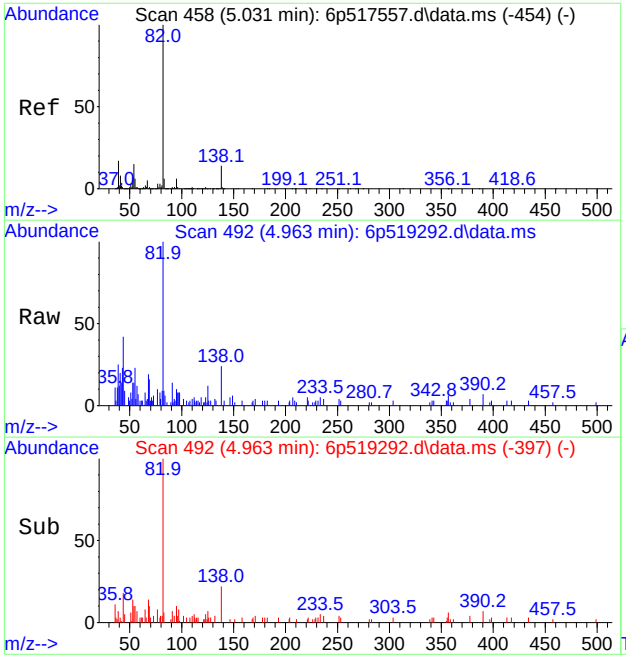
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\altheam\e6p4327\
Data File : 6p519292.d
Acq On : 4 Dec 2024 5:21 pm
Operator : anthonyo
Sample : op59835-mb1 Inst : GCMS6P
Misc : op59835,e6p4327,30.0,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 05 03:08:55 2024
Quant Method : X:\Dayton SVOA GCMS\altheam\method\M6P4256.M
Quant Title : Semi Volatile GC/MS,zb-5msplus30m x .25mm x .25um
QLast Update : Thu Dec 05 02:46:59 2024
Response via : Initial Calibration

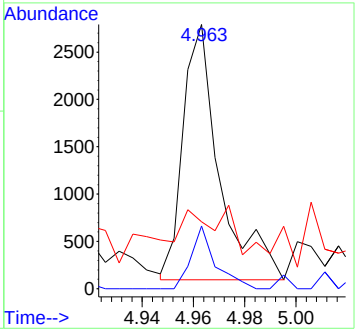


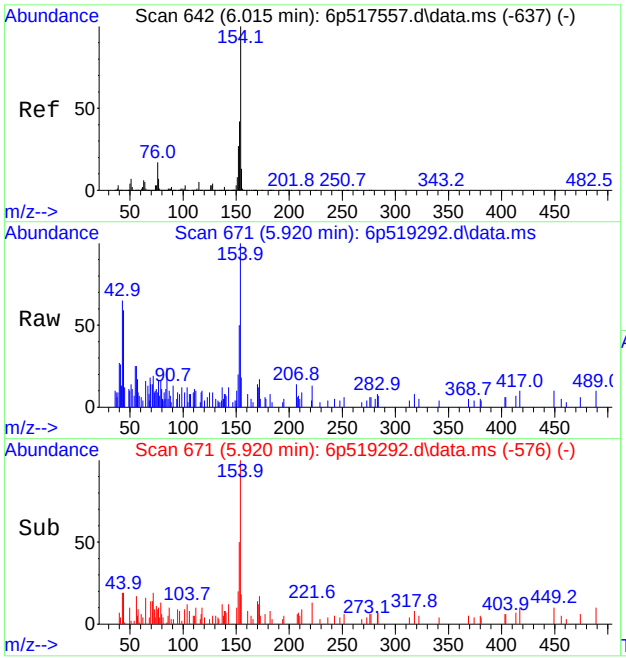


#28
Isophorone
Concen: 0.1408 ppm
RT: 4.963 min Scan# 492
Delta R.T. 0.006 min
Lab File: 6p519292.d
Acq: 4 Dec 2024 5:21 pm

Tgt Ion: 82 Resp: 2691

Ion	Ratio	Lower	Upper
82	100		
138	22.1	0.0	47.4
39	4.5	0.0	45.1

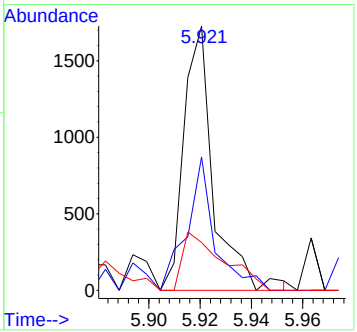




#53
Biphenyl
Concen: 0.0662 ppm
RT: 5.920 min Scan# 671
Delta R.T. 0.005 min
Lab File: 6p519292.d
Acq: 4 Dec 2024 5:21 pm

Tgt Ion:154 Resp: 1391

Ion	Ratio	Lower	Upper
154	100		
153	51.4	10.8	70.8
155	18.5	0.0	42.4



Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton SVOA GCMS\recheleb\ef9918\
Data File : f223232.D
Acq On : 2 Dec 2024 10:56 am
Operator : kaleigh
Sample : op59781-mb1 Inst : GCMSF
Misc : op59781,ef9918,1000,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 02 19:35:55 2024
Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\MF9899.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Dec 02 19:22:44 2024
Response via : Initial Calibration

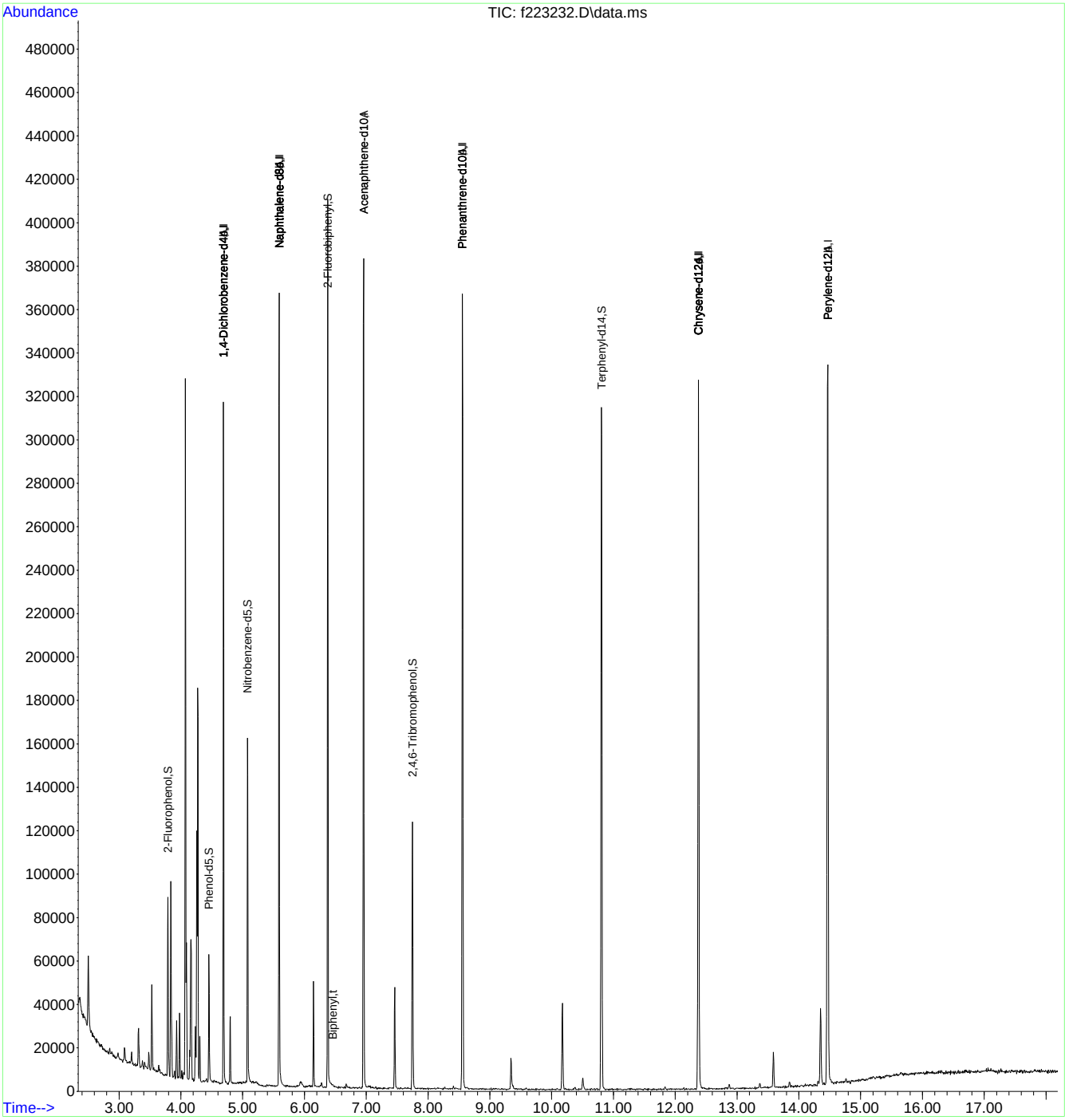
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.688	152	39126	40.00	ppm	0.00
24) Naphthalene-d8	5.591	136	143437	40.00	ppm	0.00
46) Acenaphthene-d10	6.958	164	78569	40.00	ppm	0.00
69) Phenanthrene-d10	8.556	188	153167	40.00	ppm	0.00
83) Chrysene-d12	12.375	240	141189	40.00	ppm	-0.01
92) Perylene-d12	14.469	264	157463	40.00	ppm	0.00
102) 1,4-Dichlorobenzene-d4A	4.688	152	39126	40.00	ppm	0.00
112) Naphthalene-d8A	5.591	136	143437	40.00	ppm	0.00
121) Acenaphthene-d10A	6.958	164	78569	40.00	ppm	0.00
132) Phenanthrene-d10A	8.556	188	153167	40.00	ppm	0.00
147) Chrysene-d12A	12.375	240	141189	40.00	ppm	-0.01
154) Perylene-d12A	14.469	264	157463	40.00	ppm	0.00
157) 1,4-Dichlorobenzene-d4b	4.688	152	39126	40.00	ppm	0.00
159) Phenanthrene-d10b	8.556	188	153167	40.00	ppm	0.00
161) Naphthalene-d8b	5.591	136	143437	40.00	ppm	0.00
163) Naphthalene-d8c	5.591	136	143437	40.00	ppm	0.00
167) 1,4-Dichlorobenzene-d4c	4.688	152	39126	40.00	ppm	0.00
169) Chrysene-d12c	12.375	240	141189	40.00	ppm	-0.01
171) Chrysene-d12d	12.375	240	141189	40.00	ppm	-0.01
173) Naphthalene-d8d	5.591	136	143437	40.00	ppm	0.00
175) Chrysene-d12e	12.375	240	141189	40.00	ppm	-0.01
177) Perylene-d12b	14.469	264	157463	40.00	ppm	0.00
179) Naphthalene-d8e	5.591	136	143437	40.00	ppm	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.790	112	21572	20.53	ppm	0.00
Spiked Amount 50.000			Recovery = 41.06%			
8) Phenol-d5	4.453	99	16551	13.55	ppm	0.00
Spiked Amount 50.000			Recovery = 27.10%			
25) Nitrobenzene-d5	5.078	82	41262	40.36	ppm	0.00
Spiked Amount 50.000			Recovery = 80.72%			
51) 2-Fluorobiphenyl	6.376	172	107039	38.86	ppm	0.00
Spiked Amount 50.000			Recovery = 77.72%			
73) 2,4,6-Tribromophenol	7.749	330	16030	43.09	ppm	0.00
Spiked Amount 50.000			Recovery = 86.18%			
86) Terphenyl-d14	10.810	244	133369	40.39	ppm	0.00
Spiked Amount 50.000			Recovery = 80.78%			
Target Compounds						Qvalue
53) Biphenyl	6.456	154	295	0.0970	ppm	87

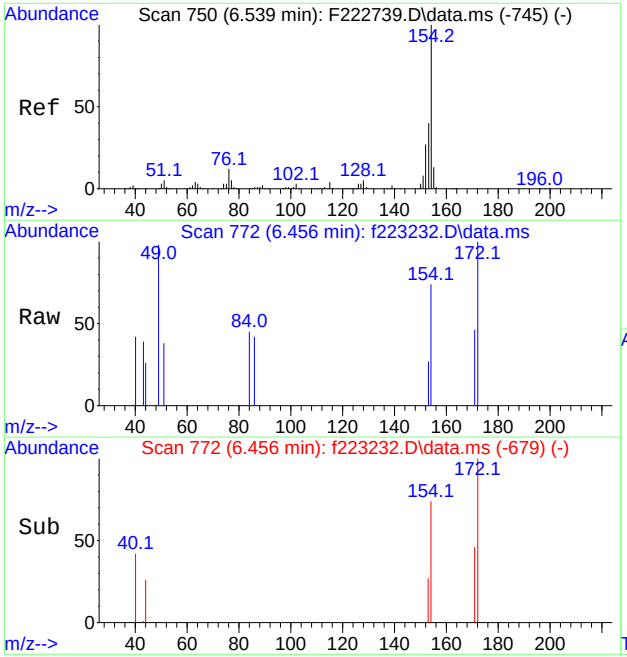
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton SVOA GCMS\recheleb\ef9918\
Data File : f223232.D
Acq On : 2 Dec 2024 10:56 am
Operator : kaleigh
Sample : op59781-mb1 Inst : GCMSF
Misc : op59781,ef9918,1000,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 02 19:35:55 2024
Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\MF9899.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Dec 02 19:22:44 2024
Response via : Initial Calibration

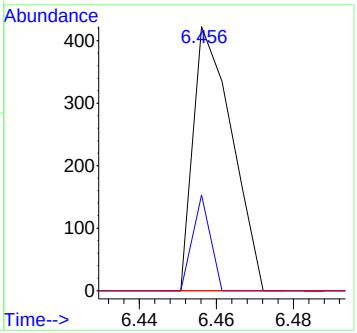




#53
Biphenyl
Concen: 0.0970 ppm
RT: 6.456 min Scan# 772
Delta R.T. -0.006 min
Lab File: f223232.D
Acq: 2 Dec 2024 10:56 am

Tgt Ion:154 Resp: 295

Ion	Ratio	Lower	Upper
154	100		
153	36.2	10.7	70.7
155	0.0	0.0	42.5



LSC Area Percent Report

Data Path : X:\Dayton SVOA GCMS\recheleb\ef9918\
Data File : f223232.D
Acq On : 2 Dec 2024 10:56 am
Operator : kaleigh
Sample : op59781-mb1
Misc : op59781,ef9918,1000,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Integration Parameters: lscint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 10 Area counts
Start Thrs: 0.01 Max Peaks: 200
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : X:\Dayton SVOA GCMS\recheleb\methods\MF9899.M
Title : Semi Volatile Extractables by GC/MS

Signal : TIC: f223232.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.503	28	32	40	rVB	35516	41614	9.78%	0.978%
2	3.085	139	141	151	rVB5	6938	8410	1.98%	0.198%
3	3.203	160	163	170	rVB4	6376	6702	1.57%	0.157%
4	3.315	181	184	191	rVB2	18007	18495	4.35%	0.435%
5	3.379	194	196	200	rVB3	4018	3511	0.82%	0.082%
6	3.411	200	202	211	rBV6	3286	4928	1.16%	0.116%
7	3.481	212	215	220	rVB	8380	7614	1.79%	0.179%
8	3.529	220	224	229	rBV	39476	32368	7.61%	0.761%
9	3.641	243	245	252	rVB3	3926	4494	1.06%	0.106%
10	3.790	269	273	279	rVB	82666	70323	16.52%	1.652%
11	3.838	279	282	288	rVV	90362	80653	18.95%	1.895%
12	3.897	291	293	295	rVB3	3742	2325	0.55%	0.055%
13	3.929	295	299	303	rBV	26973	21155	4.97%	0.497%
14	3.977	305	308	312	rVV	30298	23673	5.56%	0.556%
15	4.015	312	315	317	rVB4	4115	2798	0.66%	0.066%
16	4.073	318	326	335	rVV2	323075	270543	63.57%	6.357%
17	4.164	335	343	351	rVB3	65473	90106	21.17%	2.117%
18	4.234	351	356	358	rBV	25472	23593	5.54%	0.554%
19	4.271	358	363	367	rVV2	181361	227383	53.42%	5.343%
20	4.309	367	370	376	rVB	21252	17534	4.12%	0.412%
21	4.453	393	397	408	rBV	58889	46503	10.93%	1.093%
22	4.688	436	441	454	rVB	314358	214007	50.28%	5.028%
23	4.800	456	462	466	rBV	31338	25395	5.97%	0.597%
24	5.008	499	501	506	rBV4	934	997	0.23%	0.023%
25	5.078	511	514	527	rVB	159127	126321	29.68%	2.968%
26	5.169	527	531	533	rBV4	1113	1221	0.29%	0.029%
27	5.393	570	573	576	rBV3	1108	1299	0.31%	0.031%
28	5.425	578	579	585	rVB4	748	929	0.22%	0.022%
29	5.532	598	599	602	rBV2	512	522	0.12%	0.012%
30	5.591	605	610	627	rVV	365542	274124	64.41%	6.441%
31	5.708	631	632	634	rBV2	796	395	0.09%	0.009%
32	5.868	659	662	663	rBV3	767	654	0.15%	0.015%
33	5.885	664	665	668	rVV3	1145	838	0.20%	0.020%
34	5.938	668	675	685	rVB4	2651	7064	1.66%	0.166%
35	6.146	711	714	725	rBV	48731	33578	7.89%	0.789%
36	6.226	725	729	732	rVV4	509	548	0.13%	0.013%
37	6.274	732	738	743	rVB5	2358	3465	0.81%	0.081%
38	6.339	746	750	751	rVB3	795	857	0.20%	0.020%
39	6.376	752	757	779	rBV	409277	293141	68.88%	6.888%
40	6.552	789	790	795	rBV2	1060	1098	0.26%	0.026%

LSC Area Percent Report

Data Path : X:\Dayton SVOA GCMS\recheleb\ef9918\
Data File : f223232.D
Acq On : 2 Dec 2024 10:56 am
Operator : kaleigh
Sample : op59781-mb1
Misc : op59781,ef9918,1000,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Integration Parameters: lscint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 10 Area counts
Start Thrs: 0.01 Max Peaks: 200
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : X:\Dayton SVOA GCMS\recheleb\methods\MF9899.M
Title : Semi Volatile Extractables by GC/MS

41	6.584	795	796	806	rVB4	659	1414	0.33%	0.033%
42	6.643	806	807	809	rVB2	926	475	0.11%	0.011%
43	6.675	809	813	819	rBV4	2105	2961	0.70%	0.070%
44	6.787	830	834	838	rBV3	635	933	0.22%	0.022%
45	6.830	841	842	848	rVB5	743	850	0.20%	0.020%
46	6.894	848	854	858	rBV4	795	1354	0.32%	0.032%
47	6.958	860	866	876	rBV	382363	324550	76.25%	7.626%
48	7.038	878	881	883	rVV2	1146	1204	0.28%	0.028%
49	7.065	883	886	888	rVV2	1107	836	0.20%	0.020%
50	7.087	888	890	892	rVB	485	408	0.10%	0.010%
51	7.156	900	903	905	rVB3	1233	1052	0.25%	0.025%
52	7.209	908	913	914	rVV4	702	854	0.20%	0.020%
53	7.225	914	916	923	rVV3	640	849	0.20%	0.020%
54	7.273	924	925	926	rBV	775	303	0.07%	0.007%
55	7.354	936	940	941	rVB2	592	493	0.12%	0.012%
56	7.375	941	944	945	rBV2	716	675	0.16%	0.016%
57	7.423	951	953	955	rVB3	619	430	0.10%	0.010%
58	7.460	955	960	969	rVB	46991	42232	9.92%	0.992%
59	7.519	969	971	975	rBV2	568	512	0.12%	0.012%
60	7.557	975	978	983	rBV2	783	939	0.22%	0.022%
61	7.626	986	991	997	rBV5	608	1015	0.24%	0.024%
62	7.669	997	999	1001	rVB2	676	482	0.11%	0.011%
63	7.749	1008	1014	1026	rVB	123098	118872	27.93%	2.793%
64	7.834	1029	1030	1035	rVV2	470	564	0.13%	0.013%
65	7.899	1039	1042	1046	rVB2	638	898	0.21%	0.021%
66	7.995	1056	1060	1062	rVB3	905	1057	0.25%	0.025%
67	8.021	1062	1065	1069	rBV3	807	1229	0.29%	0.029%
68	8.107	1079	1081	1083	rVB2	569	328	0.08%	0.008%
69	8.160	1086	1091	1092	rVV2	596	588	0.14%	0.014%
70	8.246	1106	1107	1109	rBV	868	551	0.13%	0.013%
71	8.272	1109	1112	1116	rVV	1063	904	0.21%	0.021%
72	8.353	1125	1127	1128	rVB2	644	335	0.08%	0.008%
73	8.369	1128	1130	1133	rBV2	526	605	0.14%	0.014%
74	8.411	1135	1138	1142	rBV2	1565	1258	0.30%	0.030%
75	8.449	1142	1145	1148	rBV2	641	839	0.20%	0.020%
76	8.556	1160	1165	1175	rBV2	366609	359505	84.47%	8.447%
77	8.689	1185	1190	1194	rVB3	549	819	0.19%	0.019%
78	8.748	1199	1201	1202	rBV2	424	314	0.07%	0.007%
79	8.855	1218	1221	1223	rVB	646	554	0.13%	0.013%
80	8.887	1223	1227	1231	rBV2	742	814	0.19%	0.019%
81	8.919	1231	1233	1234	rVB	558	331	0.08%	0.008%
82	8.940	1234	1237	1238	rBV	511	432	0.10%	0.010%
83	8.994	1243	1247	1249	rVB4	484	587	0.14%	0.014%
84	9.020	1249	1252	1254	rVB2	1126	1003	0.24%	0.024%
85	9.058	1254	1259	1262	rBV3	998	1571	0.37%	0.037%

LSC Area Percent Report

Data Path : X:\Dayton SVOA GCMS\recheleb\ef9918\
Data File : f223232.D
Acq On : 2 Dec 2024 10:56 am
Operator : kaleigh
Sample : op59781-mb1
Misc : op59781,ef9918,1000,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Integration Parameters: lscint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 10 Area counts
Start Thrs: 0.01 Max Peaks: 200
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : X:\Dayton SVOA GCMS\recheleb\methods\MF9899.M
Title : Semi Volatile Extractables by GC/MS

86	9.149	1271	1276	1279	rVB3	441	585	0.14%	0.014%
87	9.191	1279	1284	1291	rBV3	615	898	0.21%	0.021%
88	9.239	1291	1293	1297	rVB3	507	622	0.15%	0.015%
89	9.282	1299	1301	1304	rBV2	542	592	0.14%	0.014%
90	9.341	1304	1312	1325	rBV3	14484	18191	4.27%	0.427%
91	9.432	1325	1329	1331	rVB2	679	800	0.19%	0.019%
92	9.448	1331	1332	1336	rBV3	517	648	0.15%	0.015%
93	9.501	1341	1342	1349	rVB3	728	975	0.23%	0.023%
94	9.544	1349	1350	1353	rBV2	522	497	0.12%	0.012%
95	9.587	1353	1358	1363	rVB2	889	1306	0.31%	0.031%
96	9.678	1369	1375	1378	rBV3	563	751	0.18%	0.018%
97	9.710	1378	1381	1385	rVB2	426	391	0.09%	0.009%
98	9.742	1385	1387	1388	rVB	825	354	0.08%	0.008%
99	9.758	1388	1390	1398	rBV	843	1418	0.33%	0.033%
100	9.822	1398	1402	1406	rVB2	495	628	0.15%	0.015%
101	9.864	1409	1410	1415	rVB2	624	579	0.14%	0.014%
102	9.913	1417	1419	1420	rBV2	449	337	0.08%	0.008%
103	10.057	1444	1446	1448	rVB	511	402	0.09%	0.009%
104	10.089	1448	1452	1458	rBV3	825	1427	0.34%	0.034%
105	10.174	1462	1468	1475	rBV	40051	44675	10.50%	1.050%
106	10.222	1475	1477	1479	rVB2	725	477	0.11%	0.011%
107	10.308	1489	1493	1497	rVB2	368	361	0.08%	0.008%
108	10.377	1497	1506	1510	rVB5	1276	2043	0.48%	0.048%
109	10.409	1510	1512	1516	rVB2	461	544	0.13%	0.013%
110	10.441	1516	1518	1520	rBV2	838	470	0.11%	0.011%
111	10.468	1520	1523	1525	rVV	505	412	0.10%	0.010%
112	10.506	1525	1530	1540	rVB4	5547	8290	1.95%	0.195%
113	10.575	1540	1543	1544	rBV	709	511	0.12%	0.012%
114	10.623	1549	1552	1553	rVB2	676	619	0.15%	0.015%
115	10.644	1553	1556	1559	rBV2	937	1191	0.28%	0.028%
116	10.698	1561	1566	1567	rVB3	837	1072	0.25%	0.025%
117	10.735	1567	1573	1575	rBV3	904	1317	0.31%	0.031%
118	10.757	1575	1577	1580	rVB2	520	480	0.11%	0.011%
119	10.805	1580	1586	1599	rBV	314430	352058	82.72%	8.272%
120	10.896	1599	1603	1606	rBV2	476	731	0.17%	0.017%
121	10.976	1613	1618	1620	rVB2	694	896	0.21%	0.021%
122	11.029	1624	1628	1629	rBV2	305	354	0.08%	0.008%
123	11.061	1631	1634	1635	rVB3	906	737	0.17%	0.017%
124	11.077	1635	1637	1639	rBV2	687	597	0.14%	0.014%
125	11.104	1639	1642	1648	rVB4	500	775	0.18%	0.018%
126	11.147	1648	1650	1652	rVB2	384	299	0.07%	0.007%
127	11.184	1652	1657	1658	rBV	545	791	0.19%	0.019%
128	11.253	1662	1670	1672	rBV3	613	1037	0.24%	0.024%
129	11.269	1672	1673	1675	rBV2	716	451	0.11%	0.011%

LSC Area Percent Report

Data Path : X:\Dayton SVOA GCMS\recheleb\ef9918\
Data File : f223232.D
Acq On : 2 Dec 2024 10:56 am
Operator : kaleigh
Sample : op59781-mb1
Misc : op59781,ef9918,1000,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Integration Parameters: lscint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 10 Area counts
Start Thrs: 0.01 Max Peaks: 200
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : X:\Dayton SVOA GCMS\recheleb\methods\MF9899.M
Title : Semi Volatile Extractables by GC/MS

130	11.286	1675	1676	1679	rBV2	826	608	0.14%	0.014%
131	11.334	1684	1685	1689	rVB2	610	637	0.15%	0.015%
132	11.382	1690	1694	1697	rBV2	631	533	0.13%	0.013%
133	11.403	1697	1698	1702	rBV2	436	587	0.14%	0.014%
134	11.440	1702	1705	1711	rVB2	496	719	0.17%	0.017%
135	11.510	1713	1718	1720	rBV4	926	1198	0.28%	0.028%
136	11.547	1720	1725	1727	rVB2	874	1211	0.28%	0.028%
137	11.563	1727	1728	1730	rBV	1116	791	0.19%	0.019%
138	11.638	1739	1742	1744	rBV	638	700	0.16%	0.016%
139	11.718	1753	1757	1758	rBV2	661	722	0.17%	0.017%
140	11.729	1758	1759	1763	rVV2	704	779	0.18%	0.018%
141	11.761	1763	1765	1769	rVB3	688	666	0.16%	0.016%
142	11.809	1769	1774	1776	rBV3	606	710	0.17%	0.017%
143	11.836	1776	1779	1785	rVB4	1723	2516	0.59%	0.059%
144	11.884	1785	1788	1791	rBV2	728	1079	0.25%	0.025%
145	11.911	1791	1793	1794	rBV2	459	308	0.07%	0.007%
146	11.921	1794	1795	1798	rVB2	690	521	0.12%	0.012%
147	11.943	1798	1799	1801	rBV2	602	406	0.10%	0.010%
148	12.023	1810	1814	1816	rBV2	444	671	0.16%	0.016%
149	12.049	1818	1819	1825	rVB3	507	835	0.20%	0.020%
150	12.087	1825	1826	1828	rBV	452	350	0.08%	0.008%
151	12.140	1831	1836	1838	rVB3	1162	1278	0.30%	0.030%
152	12.178	1840	1843	1846	rVB3	673	308	0.07%	0.007%
153	12.204	1846	1848	1854	rVB3	542	928	0.22%	0.022%
154	12.252	1854	1857	1860	rBV3	632	608	0.14%	0.014%
155	12.274	1860	1861	1865	rVB3	453	380	0.09%	0.009%
156	12.317	1865	1869	1871	rBV2	583	448	0.11%	0.011%
157	12.375	1873	1880	1890	rBV2	326965	377031	88.59%	8.859%
158	12.546	1909	1912	1914	rBV3	946	702	0.16%	0.016%
159	12.578	1914	1918	1923	rVB4	599	1066	0.25%	0.025%
160	12.632	1923	1928	1932	rBV3	511	784	0.18%	0.018%
161	12.749	1948	1950	1951	rVB	675	293	0.07%	0.007%
162	12.765	1951	1953	1955	rBV2	635	568	0.13%	0.013%
163	12.787	1955	1957	1959	rVB3	590	438	0.10%	0.010%
164	12.808	1959	1961	1963	rBV	917	835	0.20%	0.020%
165	12.872	1968	1973	1977	rBV3	2248	2961	0.70%	0.070%
166	12.904	1977	1979	1982	rBV2	497	486	0.11%	0.011%
167	12.990	1990	1995	1998	rBV4	668	1203	0.28%	0.028%
168	13.054	2004	2007	2009	rBV2	443	344	0.08%	0.008%
169	13.086	2012	2013	2015	rBV2	479	377	0.09%	0.009%
170	13.155	2025	2026	2030	rVB3	453	311	0.07%	0.007%
171	13.209	2033	2036	2040	rVB2	536	715	0.17%	0.017%
172	13.251	2040	2044	2047	rBV2	523	722	0.17%	0.017%
173	13.289	2049	2051	2053	rVB2	1265	745	0.18%	0.018%

LSC Area Percent Report

Data Path : X:\Dayton SVOA GCMS\recheleb\ef9918\
Data File : f223232.D
Acq On : 2 Dec 2024 10:56 am
Operator : kaleigh
Sample : op59781-mb1
Misc : op59781,ef9918,1000,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Integration Parameters: lscint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 10 Area counts
Start Thrs: 0.01 Max Peaks: 200
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : X:\Dayton SVOA GCMS\recheleb\methods\MF9899.M
Title : Semi Volatile Extractables by GC/MS

174	13.321	2053	2057	2059	rBV3	972	1209	0.28%	0.028%
175	13.369	2059	2066	2070	rBV5	2290	3133	0.74%	0.074%
176	13.492	2086	2089	2090	rVB	832	595	0.14%	0.014%
177	13.540	2096	2098	2101	rBV2	507	603	0.14%	0.014%
178	13.588	2102	2107	2114	rVB	16314	17856	4.20%	0.420%
179	13.674	2122	2123	2126	rBV2	644	476	0.11%	0.011%
180	13.727	2130	2133	2135	rBV4	499	510	0.12%	0.012%
181	13.754	2135	2138	2142	rVB3	1101	1318	0.31%	0.031%
182	13.780	2142	2143	2146	rBV2	1282	843	0.20%	0.020%
183	13.802	2146	2147	2150	rBV2	751	719	0.17%	0.017%
184	13.850	2152	2156	2160	rVB5	2423	3101	0.73%	0.073%
185	13.882	2160	2162	2165	rBV4	1015	930	0.22%	0.022%
186	13.946	2172	2174	2177	rVB3	960	803	0.19%	0.019%
187	13.973	2177	2179	2186	rBV4	1064	1386	0.33%	0.033%
188	14.106	2199	2204	2207	rBV3	1480	2004	0.47%	0.047%
189	14.176	2214	2217	2218	rBV3	1007	877	0.21%	0.021%
190	14.245	2227	2230	2233	rBV5	1111	1442	0.34%	0.034%
191	14.309	2239	2242	2244	rBV4	2473	2820	0.66%	0.066%
192	14.352	2244	2250	2257	rVB2	35689	45250	10.63%	1.063%
193	14.411	2259	2261	2264	rVB3	1040	736	0.17%	0.017%
194	14.469	2264	2272	2284	rBV	331684	425612	100.00%	10.000%
195	14.576	2290	2292	2297	rBV4	996	1695	0.40%	0.040%
196	14.619	2297	2300	2307	rBV6	1263	2699	0.63%	0.063%
197	14.694	2313	2314	2319	rVB3	999	1122	0.26%	0.026%
198	14.763	2324	2327	2331	rVB3	1994	2431	0.57%	0.057%
199	14.849	2340	2343	2345	rBV3	1723	2033	0.48%	0.048%
200	17.231	2787	2789	2791	rBV3	1657	1227	0.29%	0.029%

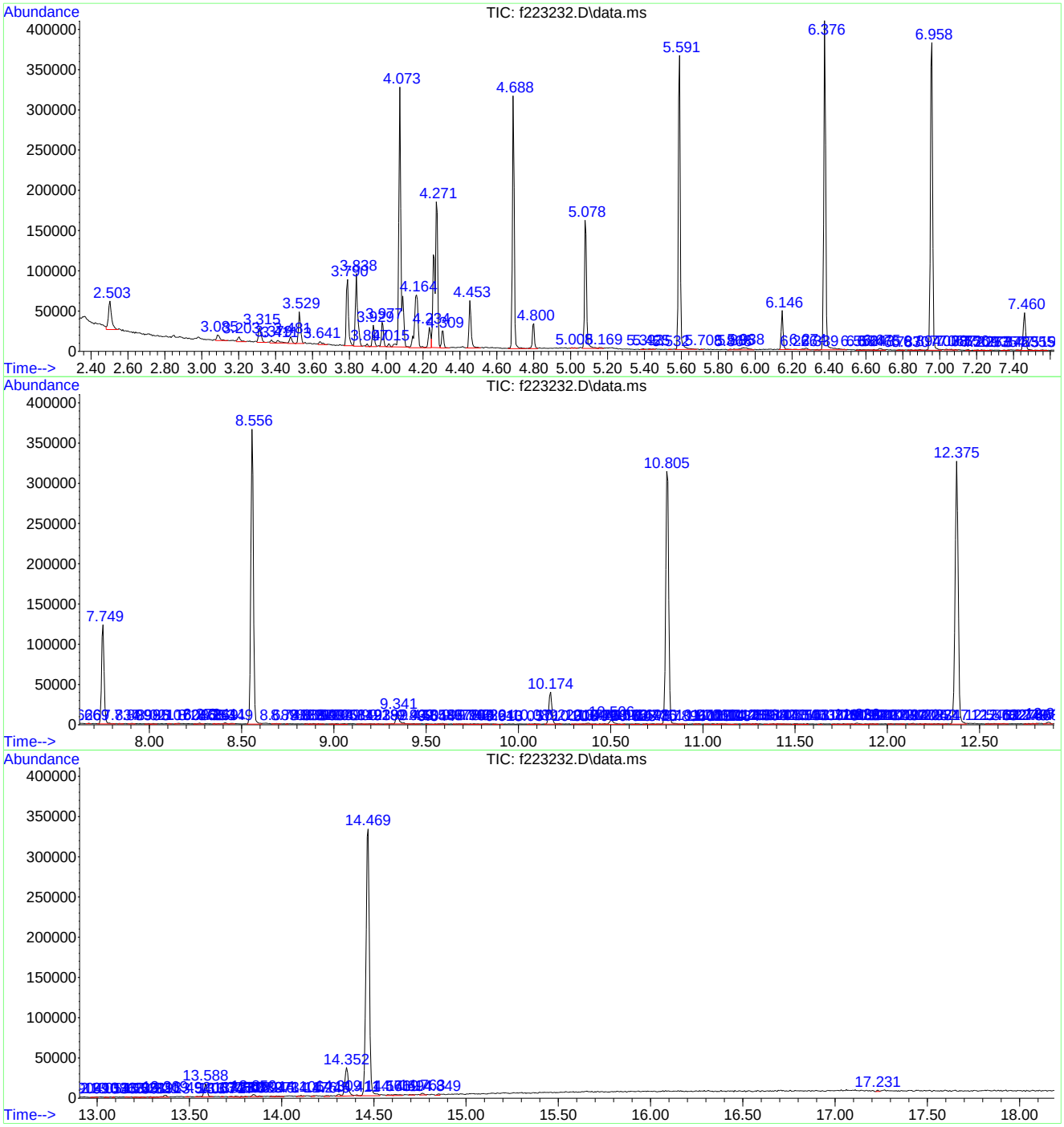
Sum of corrected areas: 4256054

LSC Report - Integrated Chromatogram

Data Path : X:\Dayton SVOA GCMS\recheleb\ef9918\
Data File : f223232.D
Acq On : 2 Dec 2024 10:56 am
Operator : kaleigh
Sample : op59781-mb1
Misc : op59781,ef9918,1000,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\MF9899.M
Quant Title : Semi Volatile Extractables by GC/MS

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\recheleb\ef9918\
Data File : f223232.D
Acq On : 2 Dec 2024 10:56 am
Operator : kaleigh
Sample : op59781-mb1
Misc : op59781,ef9918,1000,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\MF9899.M
Quant Title : Semi Volatile Extractables by GC/MS

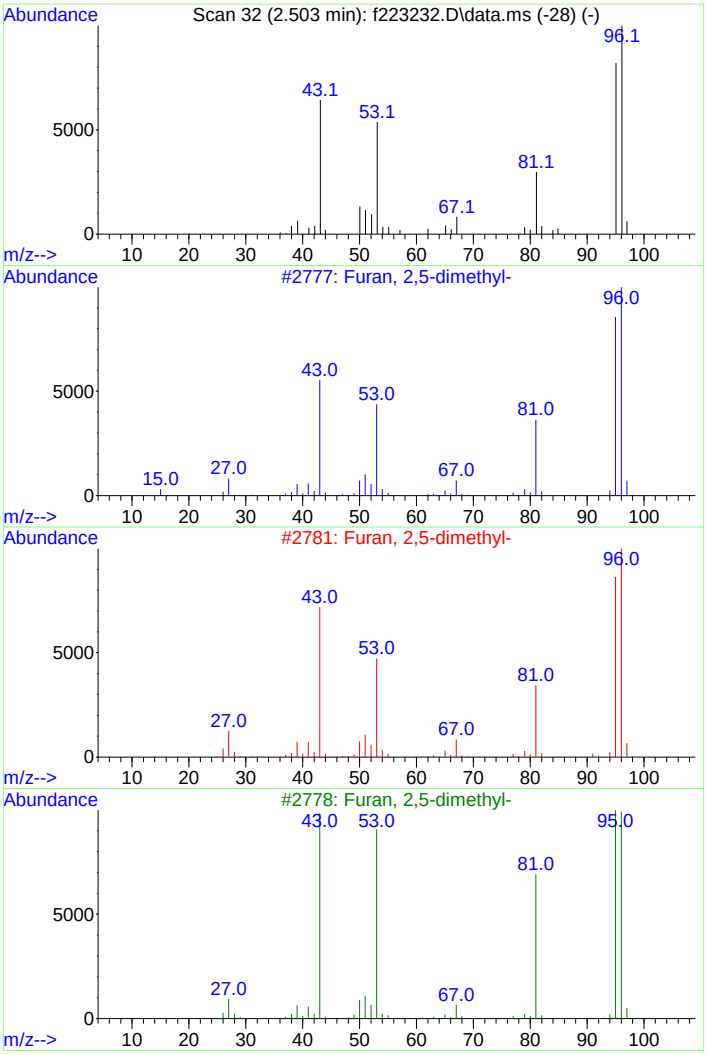
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: LSCINT.P

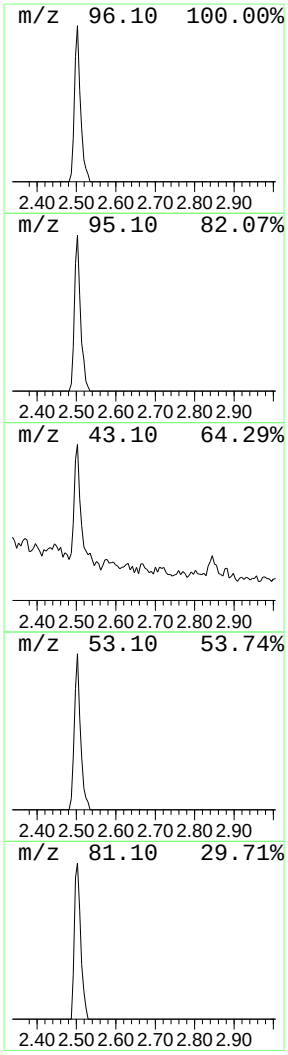
****

Peak Number 1 System artifact Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.503	7.78 ppm	41614	1,4-Dichlorobenzene-d4A	4.688

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan, 2,5-dimethyl-	96	C6H8O	000625-86-5	91
2	Furan, 2,5-dimethyl-	96	C6H8O	000625-86-5	91
3	Furan, 2,5-dimethyl-	96	C6H8O	000625-86-5	78
4	Furan, 2,5-dimethyl-	96	C6H8O	000625-86-5	59
5	1,2,4-Triazine	81	C3H3N3	000290-38-0	43





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\recheleb\ef9918\
Data File : f223232.D
Acq On : 2 Dec 2024 10:56 am
Operator : kaleigh
Sample : op59781-mb1
Misc : op59781,ef9918,1000,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\MF9899.M
Quant Title : Semi Volatile Extractables by GC/MS

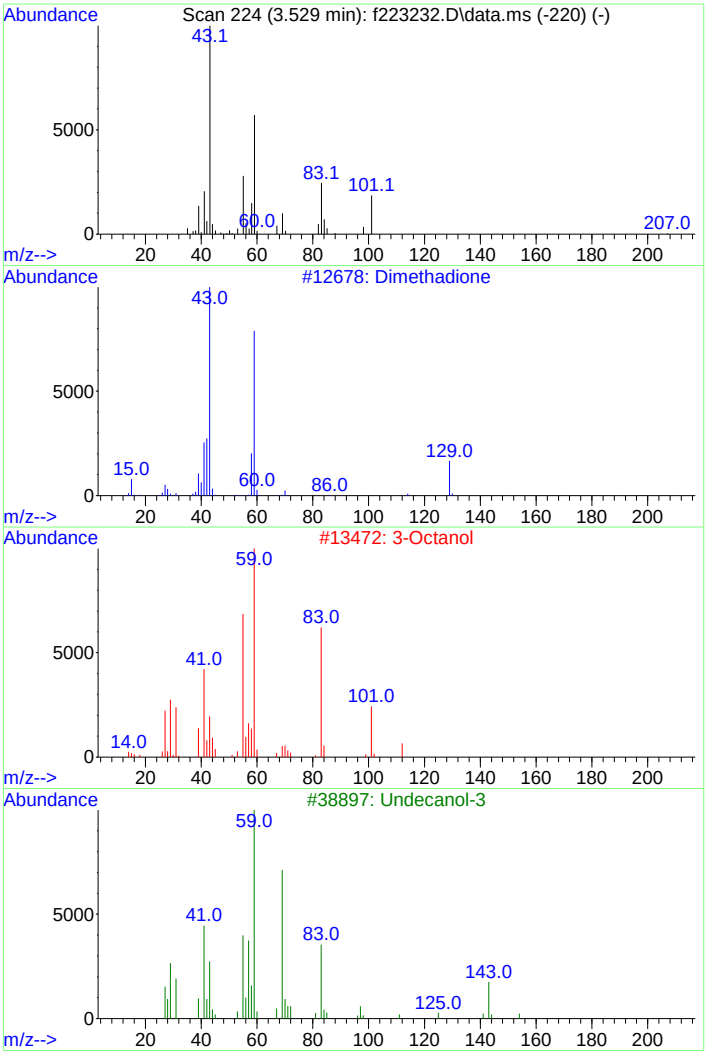
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: LSCINT.P

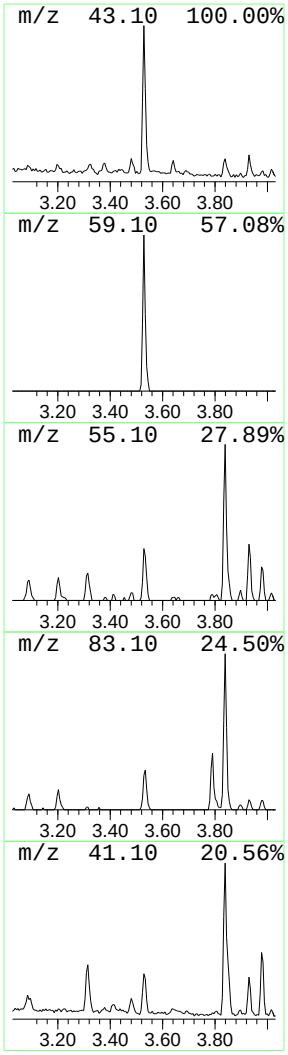
****

Peak Number 2 System artifact Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.529	6.05 ppm	32368	1,4-Dichlorobenzene-d4A	4.688

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethadione	129	C5H7NO3	000695-53-4	37
2	3-Octanol	130	C8H18O	000589-98-0	28
3	Undecanol-3	172	C11H24O	006929-08-4	28
4	3-Octanol	130	C8H18O	000589-98-0	28
5	3-Dodecanol	186	C12H26O	010203-30-2	28





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\recheleb\ef9918\
Data File : f223232.D
Acq On : 2 Dec 2024 10:56 am
Operator : kaleigh
Sample : op59781-mb1
Misc : op59781,ef9918,1000,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\MF9899.M
Quant Title : Semi Volatile Extractables by GC/MS

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: LSCINT.P

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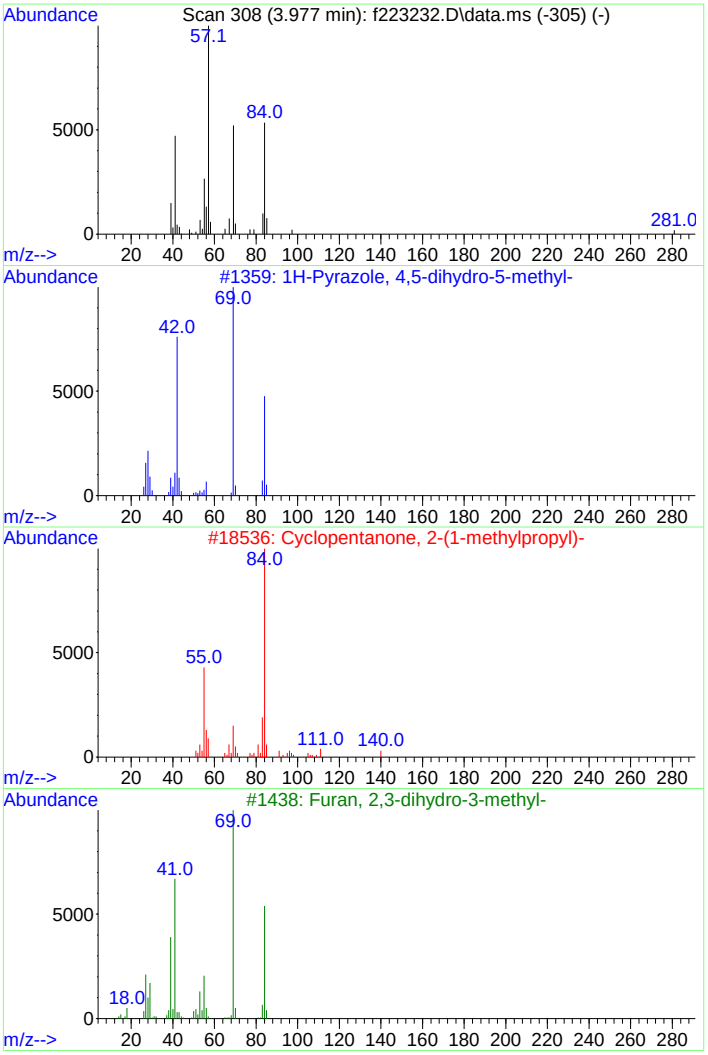
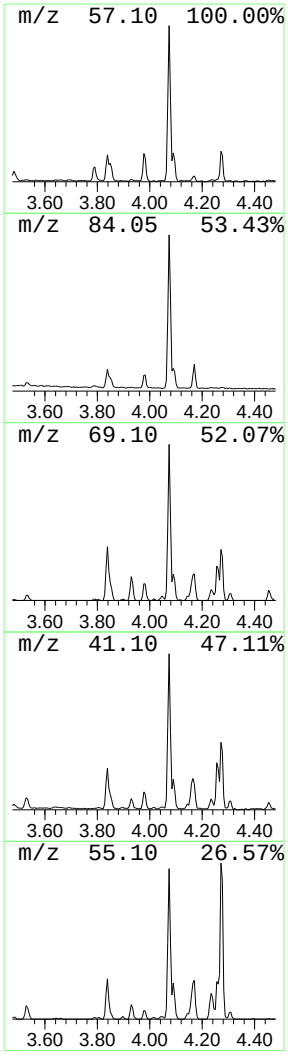
Peak Number 3 System artifact Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.977	4.42 ppm	23673	1,4-Dichlorobenzene-d4A	4.688

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Pyrazole, 4,5-dihydro-5-methyl-	84	C4H8N2	001568-20-3	50
2	Cyclopentanone, 2-(1-methylpropyl)-	140	C9H16O	006376-92-7	45
3	Furan, 2,3-dihydro-3-methyl-	84	C5H8O	001708-27-6	40
4	(S)-3-Ethyl-4-methylpentanol	130	C8H18O	1000144-07-1	38
5	Pentane, 2-chloro-4-methyl-	120	C6H13Cl	025346-32-1	33





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\recheleb\ef9918\
Data File : f223232.D
Acq On : 2 Dec 2024 10:56 am
Operator : kaleigh
Sample : op59781-mb1
Misc : op59781,ef9918,1000,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\MF9899.M
Quant Title : Semi Volatile Extractables by GC/MS

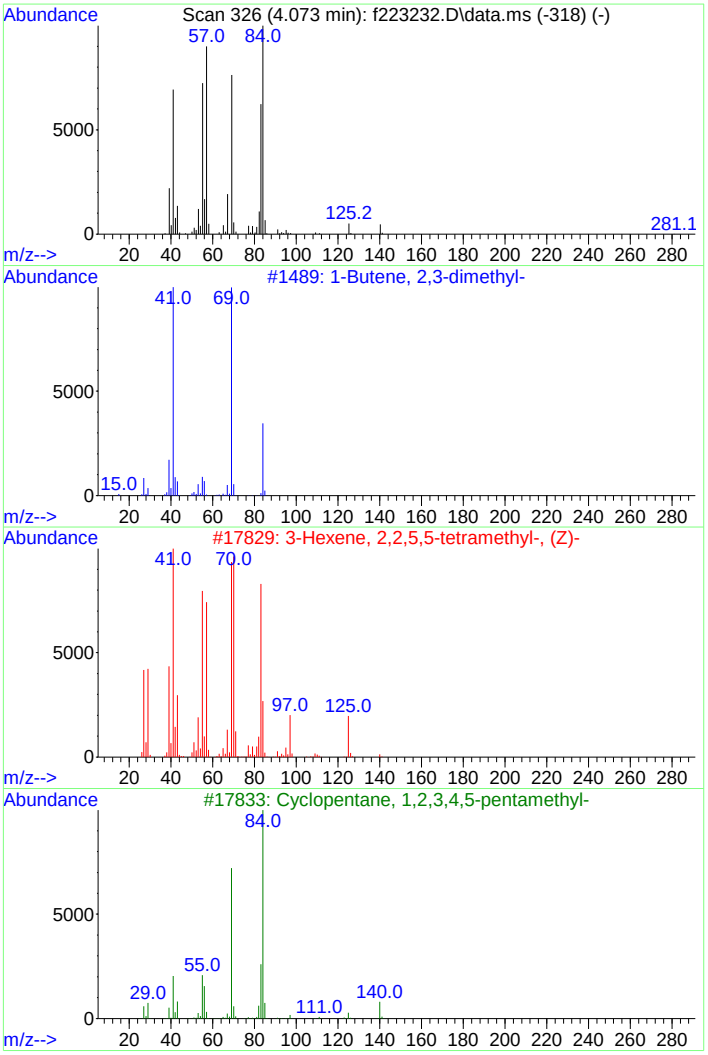
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: LSCINT.P

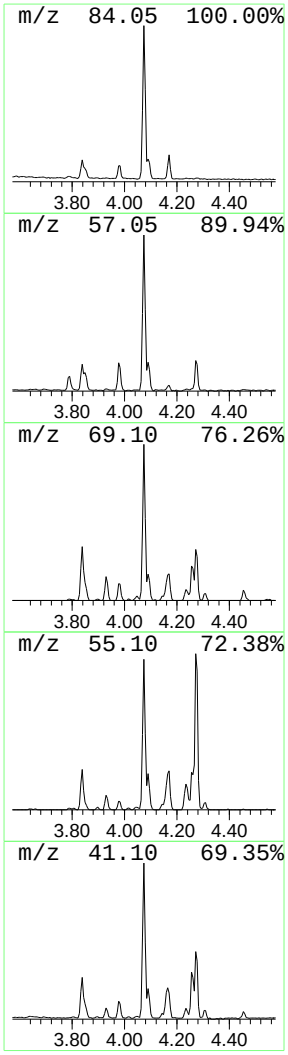
****

Peak Number 4 System artifact Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.073	50.57 ppm	270543	1,4-Dichlorobenzene-d4A	4.688

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butene, 2,3-dimethyl-	84	C6H12	000563-78-0	47
2	3-Hexene, 2,2,5,5-tetramethyl-, ...	140	C10H20	000692-47-7	47
3	Cyclopentane, 1,2,3,4,5-pentamet...	140	C10H20	1000152-79-7	45
4	2-Pentenal, (E)-	84	C5H8O	001576-87-0	43
5	3-Ethyl-2-methyl-1-heptene	140	C10H20	019780-60-0	42





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\recheleb\ef9918\
Data File : f223232.D
Acq On : 2 Dec 2024 10:56 am
Operator : kaleigh
Sample : op59781-mb1
Misc : op59781,ef9918,1000,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\MF9899.M
Quant Title : Semi Volatile Extractables by GC/MS

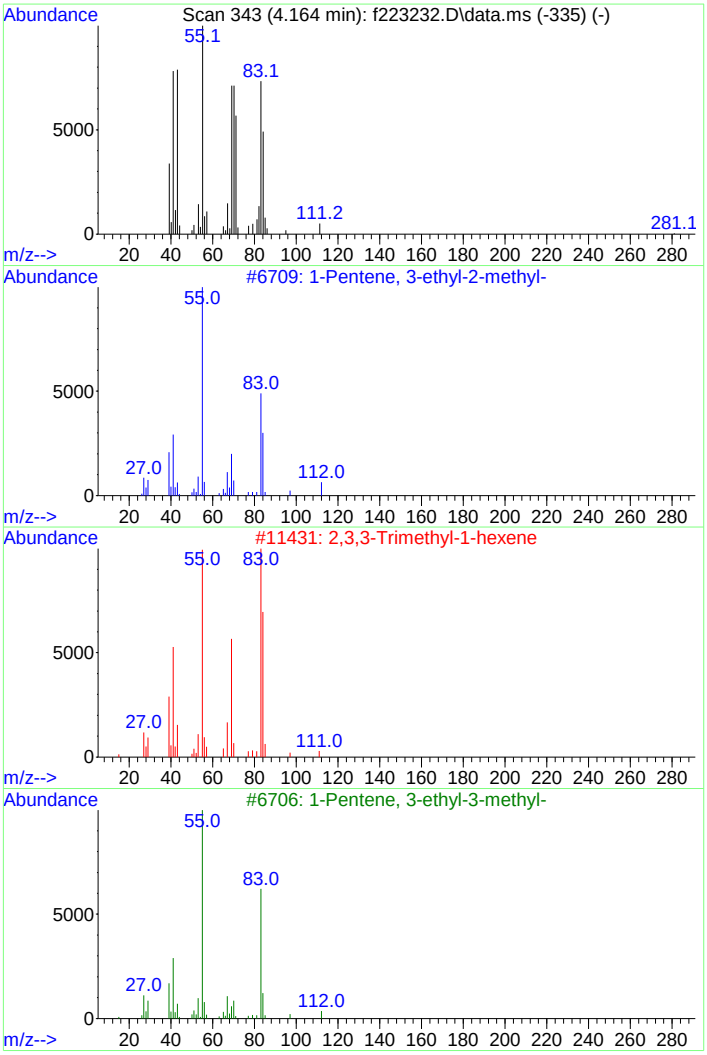
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: LSCINT.P

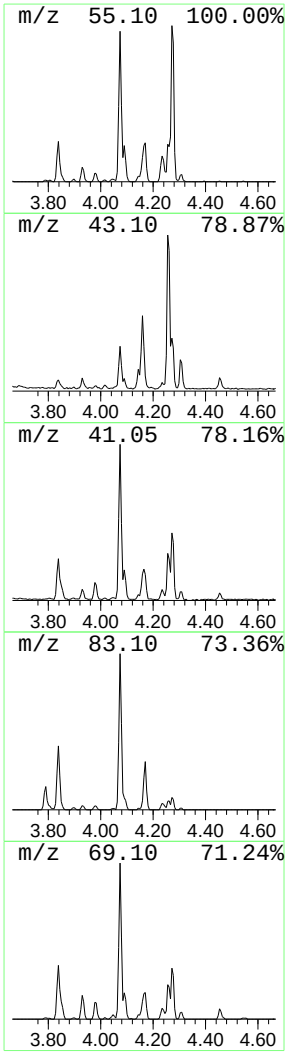
****

Peak Number 5 System artifact Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.164	16.84 ppm	90106	1,4-Dichlorobenzene-d4A	4.688

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 3-ethyl-2-methyl-	112	C8H16	019780-66-6	50
2	2,3,3-Trimethyl-1-hexene	126	C9H18	1000113-52-1	50
3	1-Pentene, 3-ethyl-3-methyl-	112	C8H16	006196-60-7	38
4	2-Pentene, 4,4-dimethyl-, (E)-	98	C7H14	000690-08-4	35
5	2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	35





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\recheleb\ef9918\
Data File : f223232.D
Acq On : 2 Dec 2024 10:56 am
Operator : kaleigh
Sample : op59781-mb1
Misc : op59781,ef9918,1000,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\MF9899.M
Quant Title : Semi Volatile Extractables by GC/MS

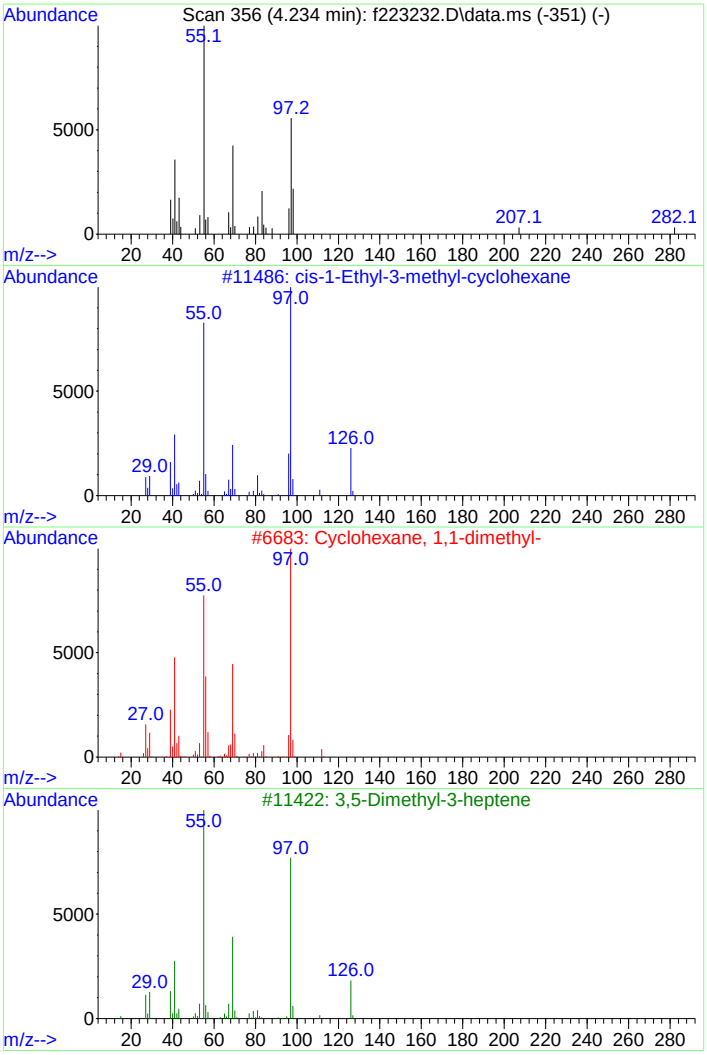
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: LSCINT.P

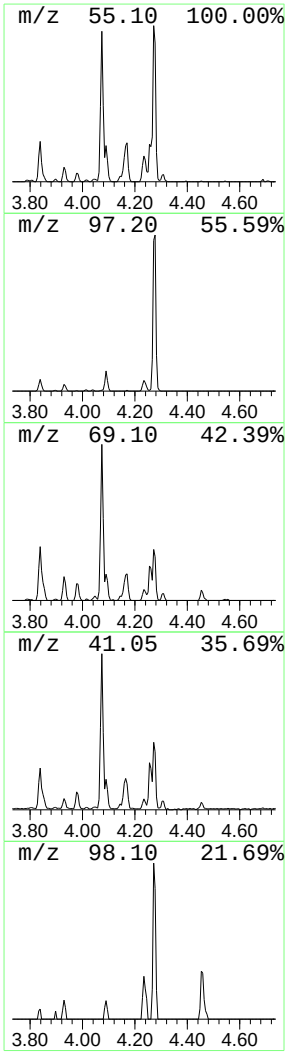
****

Peak Number 6 System artifact Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.234	4.41 ppm	23593	1,4-Dichlorobenzene-d4A	4.688

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	53
2	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	53
3	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	50
4	Hept-2-ene, 2,4,4,6-tetramethyl-	154	C11H22	103982-58-7	50
5	Sulfurous acid, cyclohexylmethyl...	234	C11H22O3S	1000309-21-3	47





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\recheleb\ef9918\
Data File : f223232.D
Acq On : 2 Dec 2024 10:56 am
Operator : kaleigh
Sample : op59781-mb1
Misc : op59781,ef9918,1000,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\MF9899.M
Quant Title : Semi Volatile Extractables by GC/MS

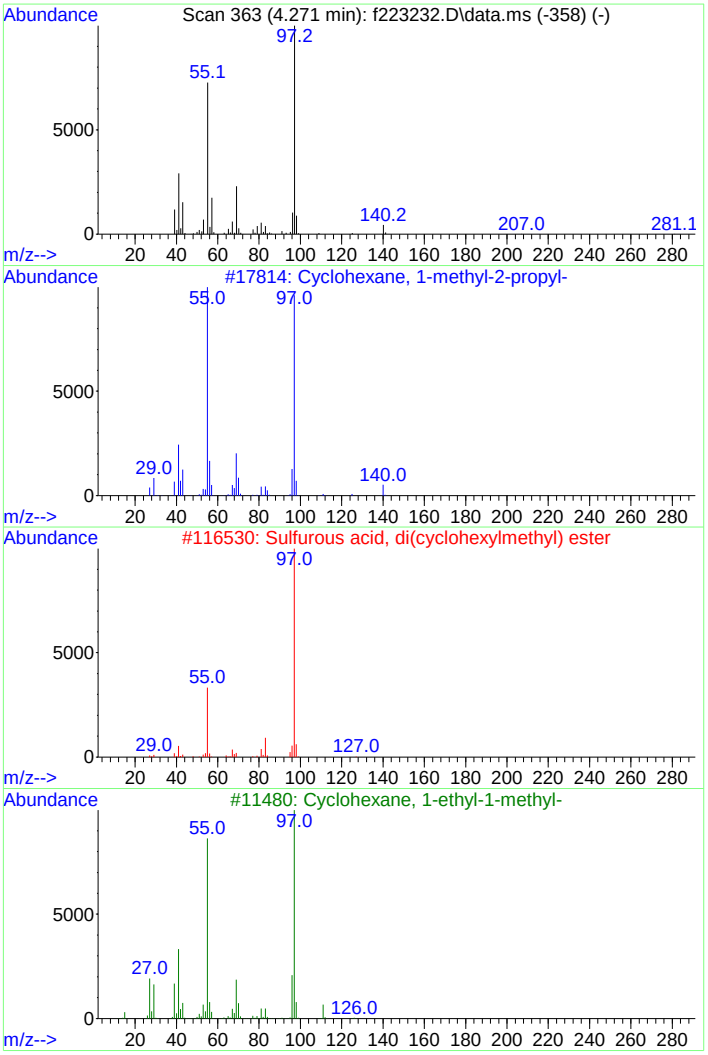
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: LSCINT.P

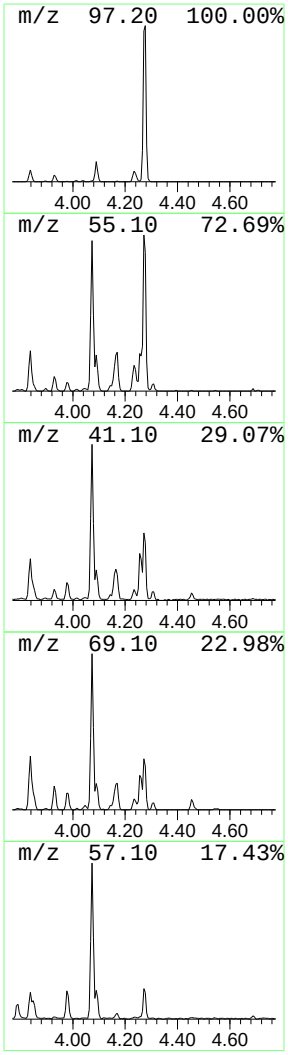
****

Peak Number 7 System artifact Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.271	42.50 ppm	227383	1,4-Dichlorobenzene-d4A	4.688

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	86
2	Sulfurous acid, di(cyclohexylmet...	274	C14H26O3S	1000309-22-7	64
3	Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	59
4	Cycloheptane, bromo-	176	C7H13Br	002404-35-5	59
5	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	59





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\recheleb\ef9918\
Data File : f223232.D
Acq On : 2 Dec 2024 10:56 am
Operator : kaleigh
Sample : op59781-mb1
Misc : op59781,ef9918,1000,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\MF9899.M
Quant Title : Semi Volatile Extractables by GC/MS

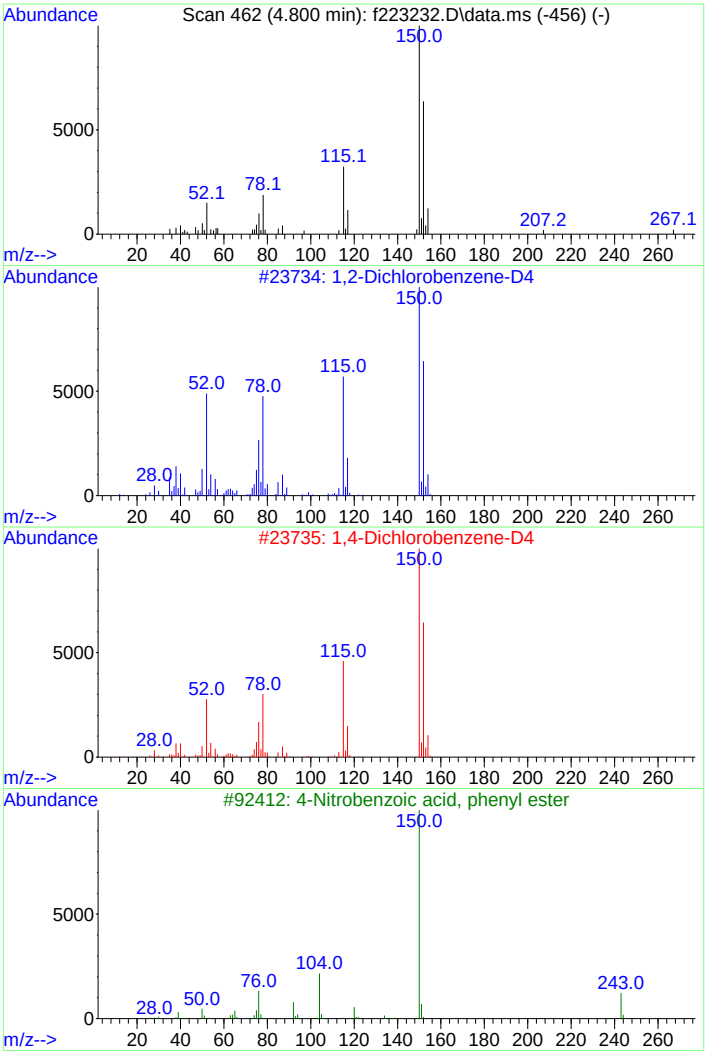
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: LSCINT.P

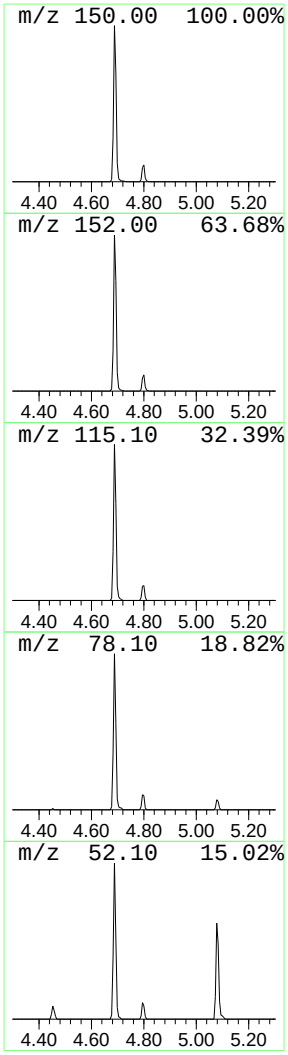
****

Peak Number 8 Internal standard added for... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.800	4.75 ppm	25395	1,4-Dichlorobenzene-d4c	4.688

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Dichlorobenzene-D4	150	C6D4Cl2	002199-69-1	95
2	1,4-Dichlorobenzene-D4	150	C6D4Cl2	003855-82-1	91
3	4-Nitrobenzoic acid, phenyl ester	243	C13H9NO4	1000299-03-2	38
4	2-Cyclohexene-1,4-dione, 5-bromo...	380	C15H13BrN2O5	1000265-00-5	38
5	Dezaguanine	150	C6H6N4O	041729-52-6	35





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\recheleb\ef9918\
Data File : f223232.D
Acq On : 2 Dec 2024 10:56 am
Operator : kaleigh
Sample : op59781-mb1
Misc : op59781,ef9918,1000,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\MF9899.M
Quant Title : Semi Volatile Extractables by GC/MS

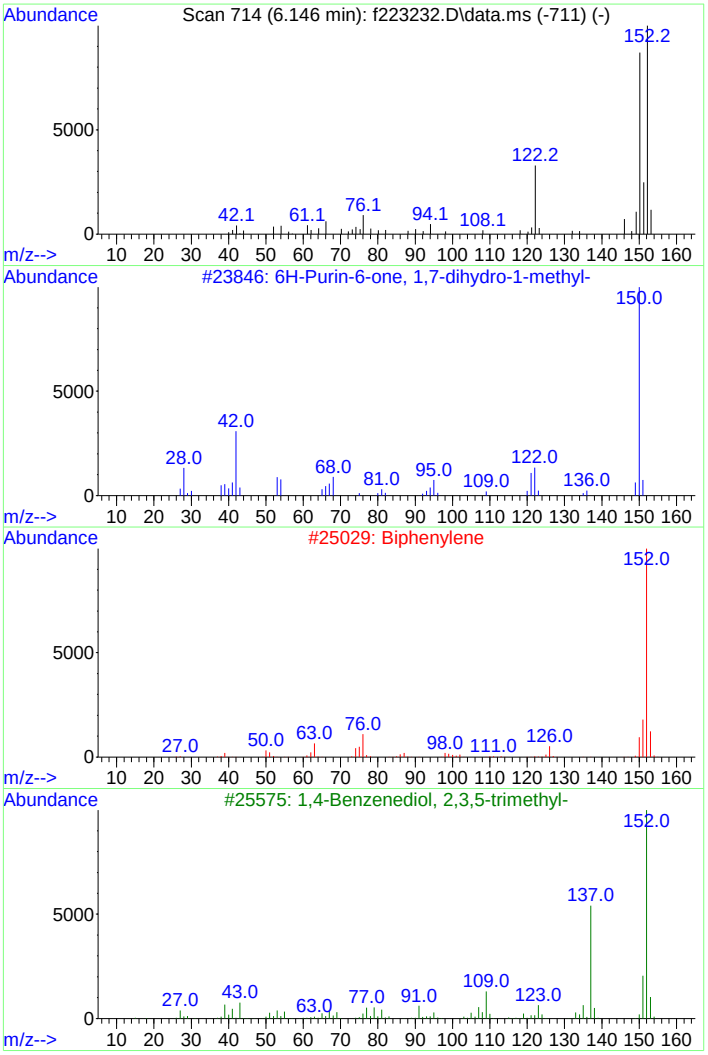
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: LSCINT.P

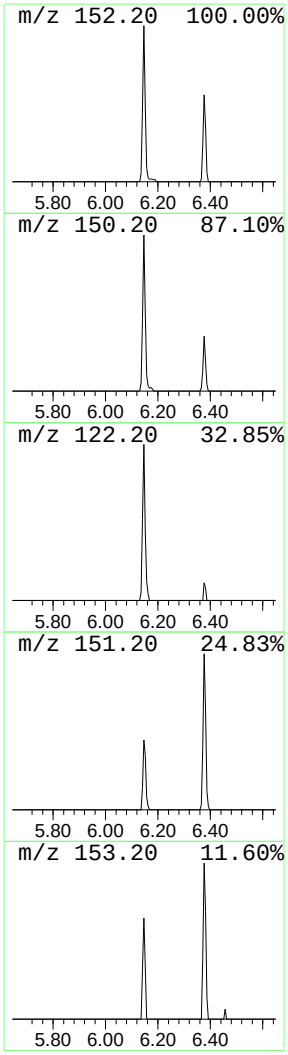
****

Peak Number 9 Internal standard added for... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.146	4.90 ppm	33578	Naphthalene-d8e	5.591

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Purin-6-one, 1,7-dihydro-1-me...	150	C6H6N4O	001125-39-9	38
2	Biphenylene	152	C12H8	000259-79-0	38
3	1,4-Benzenediol, 2,3,5-trimethyl-	152	C9H12O2	000700-13-0	25
4	1,4-Benzenediol, 2,3,5-trimethyl-	152	C9H12O2	000700-13-0	25
5	[1,2,4]Triazolo[1,5-a]pyrimidin-...	150	C6H6N4O	002503-56-2	25





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\recheleb\ef9918\
Data File : f223232.D
Acq On : 2 Dec 2024 10:56 am
Operator : kaleigh
Sample : op59781-mb1
Misc : op59781,ef9918,1000,,,1,1
ALS Vial : 5 Sample Multiplier: 1

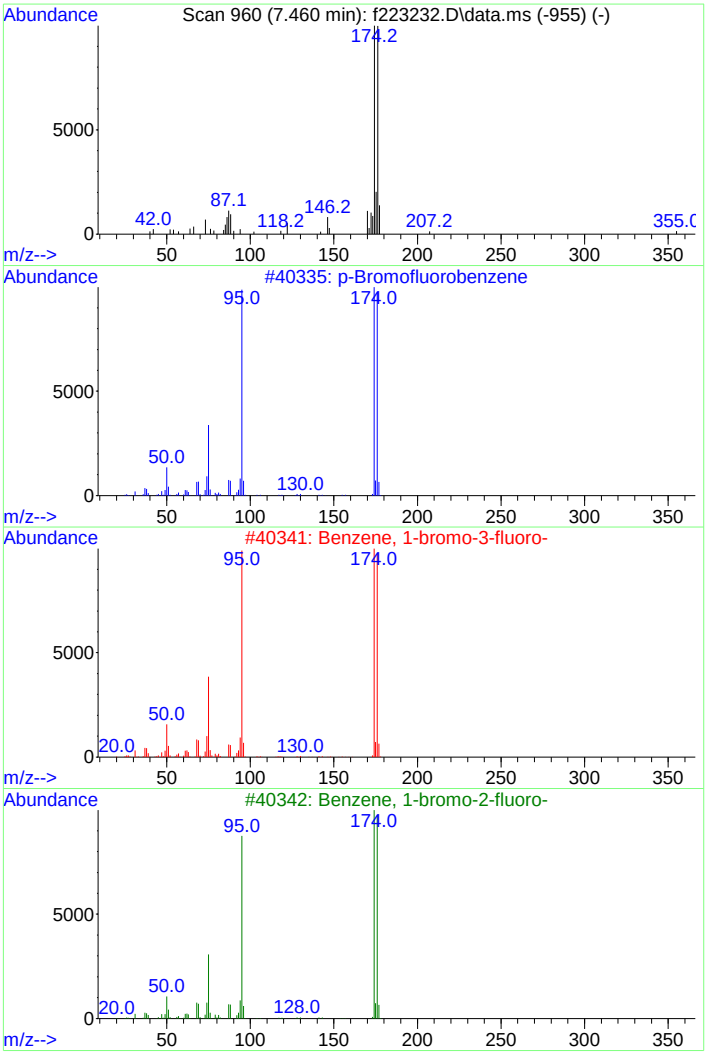
Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\MF9899.M
Quant Title : Semi Volatile Extractables by GC/MS

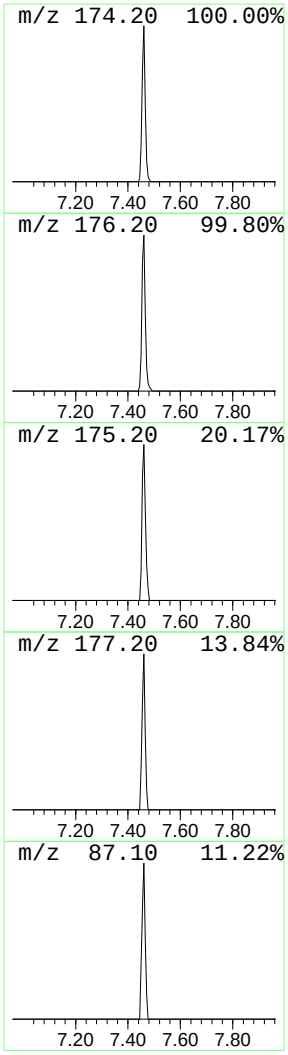
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Internal standard added for... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.460	5.20 ppm	42232	Acenaphthene-d10A	6.958

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Bromofluorobenzene	174	C6H4BrF	000460-00-4	64
2	Benzene, 1-bromo-3-fluoro-	174	C6H4BrF	001073-06-9	64
3	Benzene, 1-bromo-2-fluoro-	174	C6H4BrF	001072-85-1	64
4	9-Amino-6-fluorolepidine	176	C10H9FN2	064993-16-4	25
5	Furan, 2,2'-methylenebis[5-methyl-	176	C11H12O2	013679-43-1	25





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\recheleb\ef9918\
Data File : f223232.D
Acq On : 2 Dec 2024 10:56 am
Operator : kaleigh
Sample : op59781-mb1
Misc : op59781,ef9918,1000,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\MF9899.M
Quant Title : Semi Volatile Extractables by GC/MS

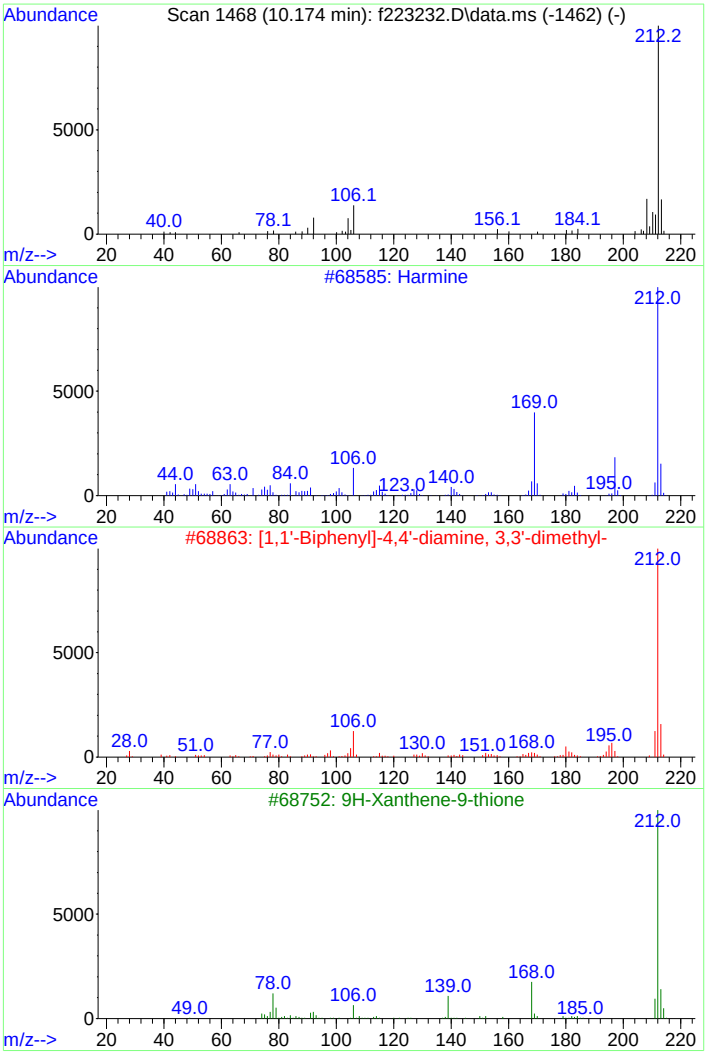
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: LSCINT.P

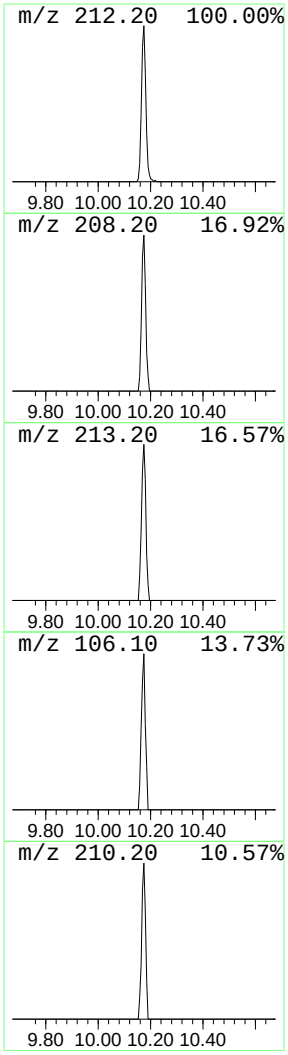
****

Peak Number 11 Internal standard added for... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.174	4.97 ppm	44675	Phenanthrene-d10b	8.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Harmine	212	C13H12N2O	000442-51-3	72
2	[1,1'-Biphenyl]-4,4'-diamine, 3,...	212	C14H16N2	000119-93-7	64
3	9H-Xanthene-9-thione	212	C13H8OS	000492-21-7	64
4	Harmine, ethenyl(ester)	212	C14H12O2	074797-84-5	64
5	9H-Pyrido(3,4-b)indole, 6-methox...	212	C13H12N2O	003589-72-8	64





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\recheleb\ef9918\
Data File : f223232.D
Acq On : 2 Dec 2024 10:56 am
Operator : kaleigh
Sample : op59781-mb1
Misc : op59781,ef9918,1000,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\MF9899.M
Quant Title : Semi Volatile Extractables by GC/MS

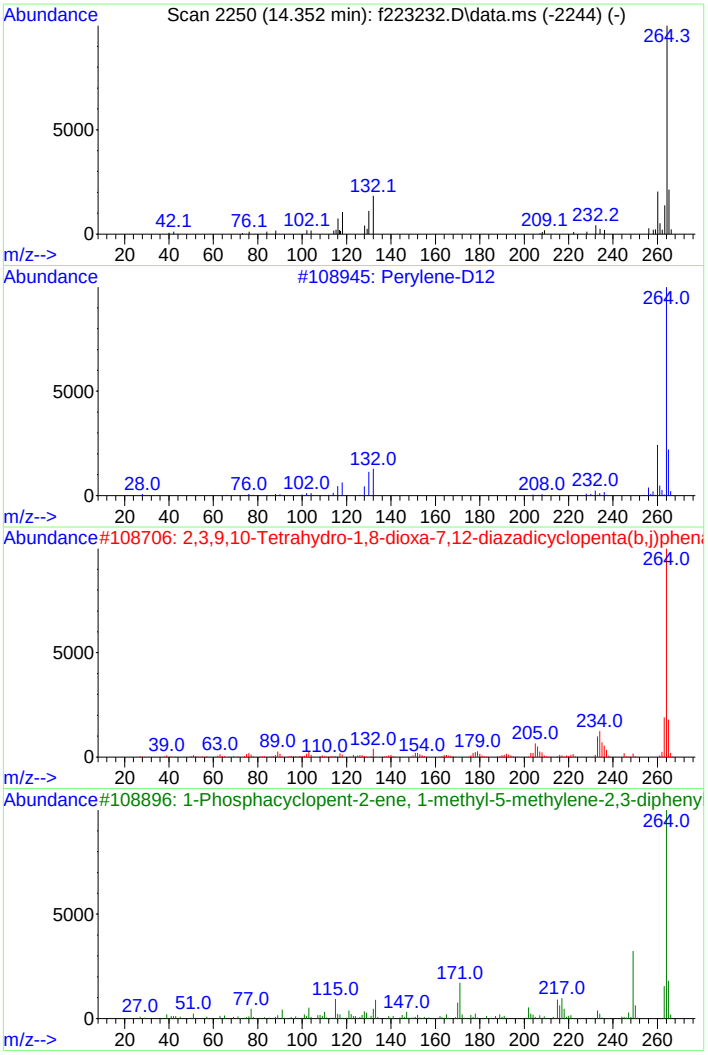
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: LSCINT.P

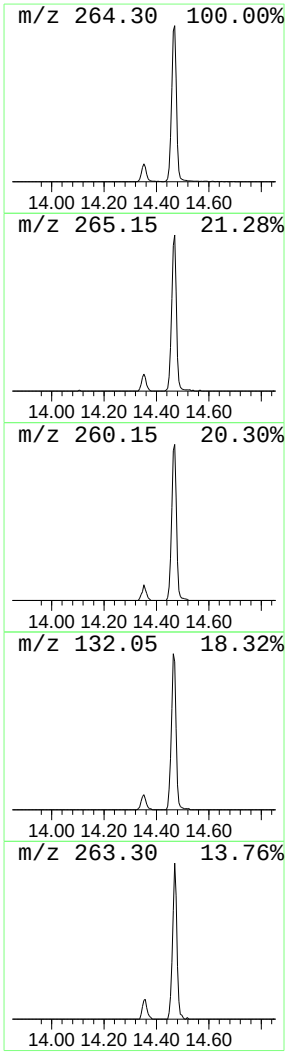
****

Peak Number 12 Internal standard added for... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.352	4.25 ppm	45250	Perylene-d12	14.470

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene-D12	264	C20D12	001520-96-3	96
2	2,3,9,10-Tetrahydro-1,8-dioxa-7,...	264	C16H12N2O2	1000243-33-3	53
3	1-Phosphacyclopent-2-ene, 1-meth...	264	C18H17P	1000161-67-7	52
4	3,3'-Dimethyl-4,4'-biphenylene d...	264	C16H12N2O2	000091-97-4	52
5	2-Dehydrocarbonylflazin	264	C16H12N2O2	029700-20-7	52





Tentatively Identified Compound (LSC) summary

Data Path : X:\Dayton SVOA GCMS\recheleb\ef9918\
Data File : f223232.D
Acq On : 2 Dec 2024 10:56 am
Operator : kaleigh
Sample : op59781-mb1
Misc : op59781,ef9918,1000,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\MF9899.M
Quant Title : Semi Volatile Extractables by GC/MS

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
System artifact	2.503	7.8	ppm	41614	2	4.688	214007	40.0
System artifact	3.529	6.0	ppm	32368	2	4.688	214007	40.0
System artifact	3.977	4.4	ppm	23673	2	4.688	214007	40.0
System artifact	4.073	50.6	ppm	270543	2	4.688	214007	40.0
System artifact	4.164	16.8	ppm	90106	2	4.688	214007	40.0
System artifact	4.234	4.4	ppm	23593	2	4.688	214007	40.0
System artifact	4.271	42.5	ppm	227383	2	4.688	214007	40.0
Internal standa...	4.800	4.8	ppm	25395	4	4.688	214007	40.0
Internal standa...	6.146	4.9	ppm	33578	10	5.591	274124	40.0
Internal standa...	7.460	5.2	ppm	42232	12	6.958	324550	40.0
Internal standa...	10.174	5.0	ppm	44675	15	8.556	359505	40.0
Internal standa...	14.352	4.3	ppm	45250	21	14.470	425612	40.0

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\EP7624\
Data File : p163374.d
Acq On : 4 Dec 2024 5:06 pm
Operator : anthonyo
Sample : op59834-mb1 Inst : GCMSP
Misc : op59834,ep7624,30.0,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 05 06:58:10 2024
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Dec 05 05:41:19 2024
Response via : Initial Calibration

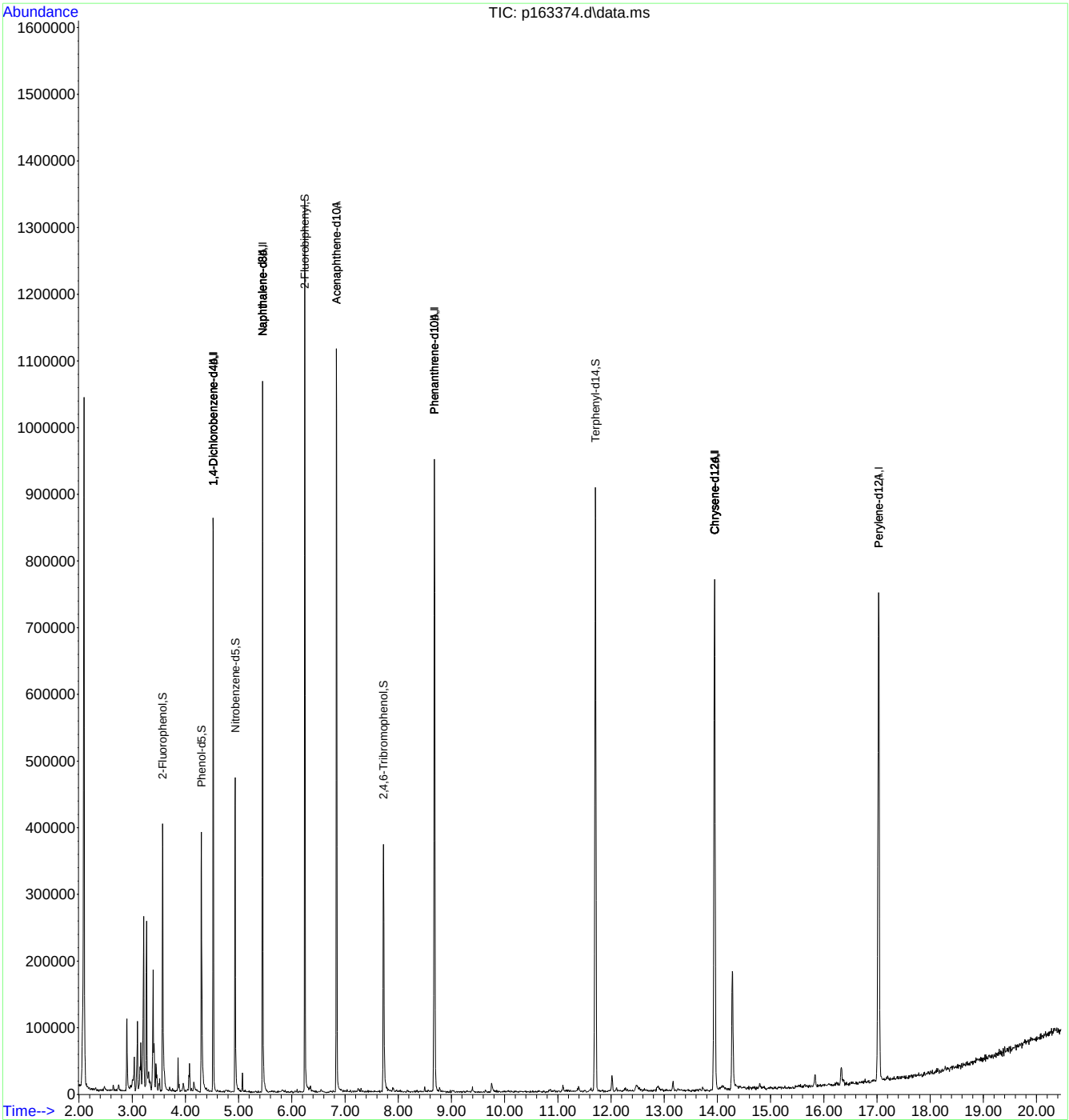
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.525	152	115140	40.00	ppm	0.00
24) Naphthalene-d8	5.449	136	399404	40.00	ppm	0.00
46) Acenaphthene-d10	6.838	164	227554	40.00	ppm	0.00
69) Phenanthrene-d10	8.681	188	427272	40.00	ppm	0.00
83) Chrysene-d12	13.949	240	444058	40.00	ppm	-0.01
92) Perylene-d12	17.031	264	446584	40.00	ppm	0.00
102) 1,4-Dichlorobenzene-d4A	4.525	152	115140	40.00	ppm	0.00
112) Naphthalene-d8A	5.449	136	399404	40.00	ppm	0.00
121) Acenaphthene-d10A	6.838	164	227554	40.00	ppm	0.00
132) Phenanthrene-d10A	8.681	188	427272	40.00	ppm	0.00
147) Chrysene-d12A	13.949	240	444058	40.00	ppm	-0.01
154) Perylene-d12A	17.031	264	446584	40.00	ppm	0.00
158) 1,4-Dichlorobenzene-d4b	4.525	152	115140	40.00	ppm	0.00
160) Phenanthrene-d10b	8.681	188	427272	40.00	ppm	0.00
162) Naphthalene-d8b	5.449	136	399404	40.00	ppm	# 0.00
164) Naphthalene-d8c	5.449	136	399404	40.00	ppm	0.00
168) 1,4-Dichlorobenzene-d4c	4.525	152	115140	40.00	ppm	0.00
170) Chrysene-d12c	13.949	240	444058	40.00	ppm	-0.01
172) Chrysene-d12d	13.949	240	444058	40.00	ppm	-0.01
174) Naphthalene-d8d	5.449	136	399404	40.00	ppm	0.00
176) Chrysene-d12e	13.949	240	444058	40.00	ppm	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	3.569	112	109772	31.94	ppm	0.01
Spiked Amount 50.000			Recovery =	63.88%		
8) Phenol-d5	4.301	99	133627	32.39	ppm	0.01
Spiked Amount 50.000			Recovery =	64.78%		
25) Nitrobenzene-d5	4.936	82	129302	43.06	ppm	0.00
Spiked Amount 50.000			Recovery =	86.12%		
51) 2-Fluorobiphenyl	6.245	172	312149	39.69	ppm	0.00
Spiked Amount 50.000			Recovery =	79.38%		
73) 2,4,6-Tribromophenol	7.725	330	55817	54.54	ppm	0.00
Spiked Amount 50.000			Recovery =	109.08%		
86) Terphenyl-d14	11.705	244	438945	41.21	ppm	0.00
Spiked Amount 50.000			Recovery =	82.42%		
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\EP7624\
Data File : p163374.d
Acq On : 4 Dec 2024 5:06 pm
Operator : anthonyo
Sample : op59834-mb1 Inst : GCMSP
Misc : op59834,ep7624,30.0,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 05 06:58:10 2024
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Dec 05 05:41:19 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\EP7624\
Data File : p163376.d
Acq On : 4 Dec 2024 5:57 pm
Operator : anthonyo
Sample : op59832-mb1 Inst : GCMSP
Misc : op59832,ep7624,30.0,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 05 07:03:16 2024
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Dec 05 05:41:19 2024
Response via : Initial Calibration

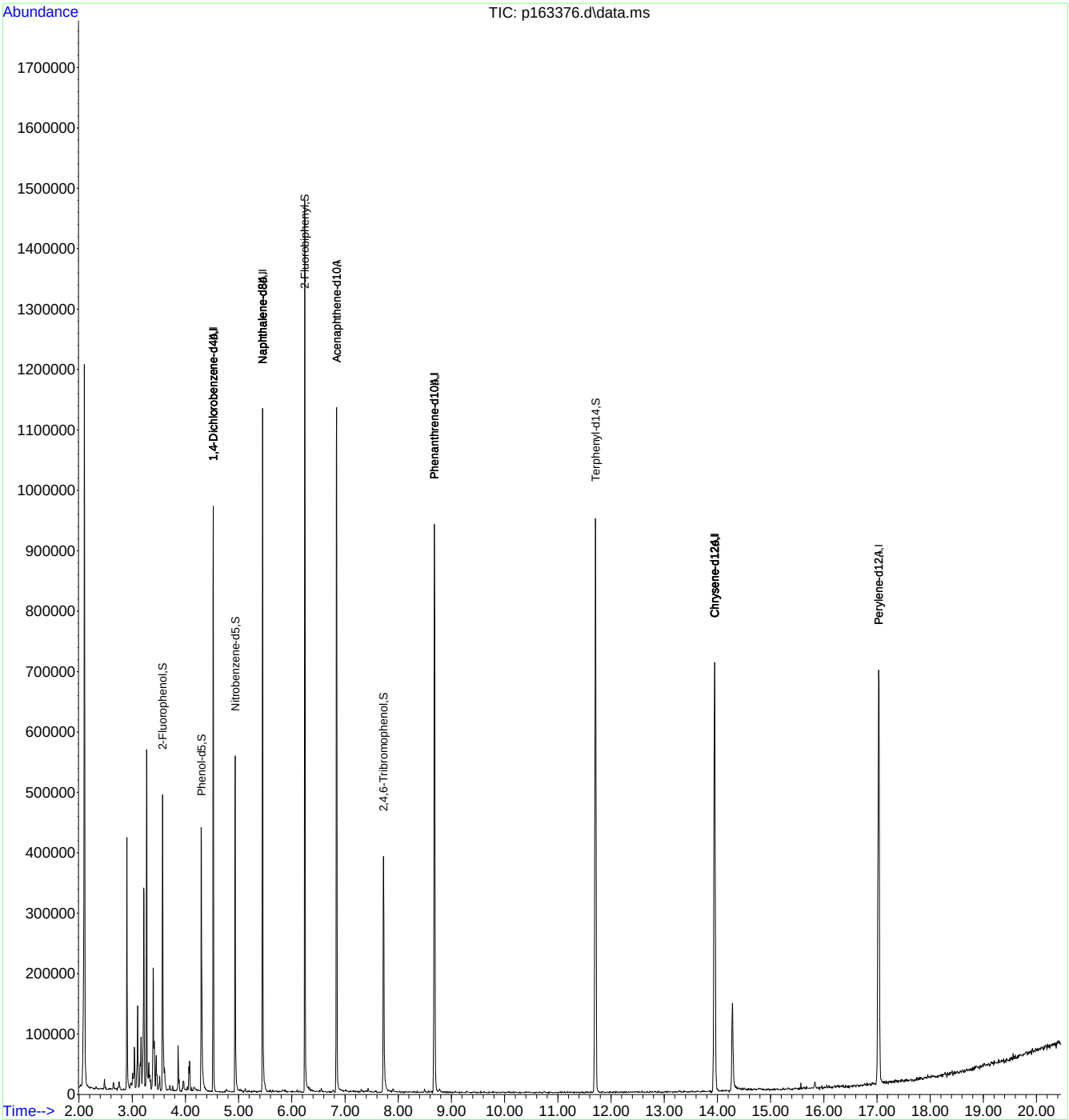
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.525	152	119323	40.00	ppm	0.00
24) Naphthalene-d8	5.449	136	416016	40.00	ppm	0.00
46) Acenaphthene-d10	6.843	164	232138	40.00	ppm	0.00
69) Phenanthrene-d10	8.681	188	429230	40.00	ppm	0.00
83) Chrysene-d12	13.949	240	423205	40.00	ppm	-0.01
92) Perylene-d12	17.031	264	415710	40.00	ppm	0.00
102) 1,4-Dichlorobenzene-d4A	4.525	152	119323	40.00	ppm	0.00
112) Naphthalene-d8A	5.449	136	416016	40.00	ppm	0.00
121) Acenaphthene-d10A	6.843	164	232138	40.00	ppm	0.00
132) Phenanthrene-d10A	8.681	188	429230	40.00	ppm	0.00
147) Chrysene-d12A	13.949	240	423205	40.00	ppm	-0.01
154) Perylene-d12A	17.031	264	415710	40.00	ppm	0.00
158) 1,4-Dichlorobenzene-d4b	4.525	152	119323	40.00	ppm	0.00
160) Phenanthrene-d10b	8.681	188	429230	40.00	ppm	0.00
162) Naphthalene-d8b	5.449	136	416016	40.00	ppm	# 0.00
164) Naphthalene-d8c	5.449	136	416016	40.00	ppm	0.00
168) 1,4-Dichlorobenzene-d4c	4.525	152	119323	40.00	ppm	0.00
170) Chrysene-d12c	13.949	240	423205	40.00	ppm	-0.01
172) Chrysene-d12d	13.949	240	423205	40.00	ppm	-0.01
174) Naphthalene-d8d	5.449	136	416016	40.00	ppm	0.00
176) Chrysene-d12e	13.949	240	423205	40.00	ppm	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	3.569	112	122110	34.29	ppm	0.01
Spiked Amount 50.000			Recovery =	68.58%		
8) Phenol-d5	4.300	99	147903	34.60	ppm	0.01
Spiked Amount 50.000			Recovery =	69.20%		
25) Nitrobenzene-d5	4.936	82	146510	46.84	ppm	0.00
Spiked Amount 50.000			Recovery =	93.68%		
51) 2-Fluorobiphenyl	6.245	172	338538	42.19	ppm	0.00
Spiked Amount 50.000			Recovery =	84.38%		
73) 2,4,6-Tribromophenol	7.725	330	56886	55.34	ppm	0.00
Spiked Amount 50.000			Recovery =	110.68%		
86) Terphenyl-d14	11.710	244	460352	45.35	ppm	0.00
Spiked Amount 50.000			Recovery =	90.70%		
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\EP7624\
Data File : p163376.d
Acq On : 4 Dec 2024 5:57 pm
Operator : anthonyo
Sample : op59832-mb1 Inst : GCMSP
Misc : op59832,ep7624,30.0,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 05 07:03:16 2024
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MP7559.M
Quant Title : Semi-Volatiles GC-MS, ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Dec 05 05:41:19 2024
Response via : Initial Calibration



GC/LC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Internal Standard Area Summaries
- DDT/Endrin Breakdown Checks
- GC Identification Summaries (Hits)
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59787-MB1	8G62732.D	1	12/01/24	RK	11/29/24	OP59787	G8G2697

The QC reported here applies to the following samples: **Method:** SW846 8081B

JE1300-51

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0037	0.0017	ug/l	
319-84-6	alpha-BHC	ND	0.0037	0.0017	ug/l	
319-85-7	beta-BHC	ND	0.0037	0.0028	ug/l	
319-86-8	delta-BHC	ND	0.0037	0.00081	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.0037	0.0022	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0037	0.0014	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0037	0.0012	ug/l	
57-74-9	Chlordane (alpha and gamma)	ND	0.0037	0.0012	ug/l	
60-57-1	Dieldrin	ND	0.0037	0.0027	ug/l	
72-54-8	4,4'-DDD	ND	0.0037	0.0015	ug/l	
72-55-9	4,4'-DDE	ND	0.0037	0.00095	ug/l	
50-29-3	4,4'-DDT	ND	0.0037	0.0022	ug/l	
72-20-8	Endrin	ND	0.0037	0.0019	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.0037	0.00047	ug/l	
7421-93-4	Endrin aldehyde	ND	0.0037	0.0018	ug/l	
53494-70-5	Endrin ketone	ND	0.0037	0.0026	ug/l	
959-98-8	Endosulfan-I	ND	0.0037	0.0022	ug/l	
33213-65-9	Endosulfan-II	ND	0.0037	0.0013	ug/l	
76-44-8	Heptachlor	ND	0.0037	0.0022	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.0037	0.0017	ug/l	
72-43-5	Methoxychlor	ND	0.0074	0.0043	ug/l	
8001-35-2	Toxaphene	ND	0.092	0.062	ug/l	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	97%	50-150%
877-09-8	Tetrachloro-m-xylene	78%	50-150%
2051-24-3	Decachlorobiphenyl	95%	50-150%
2051-24-3	Decachlorobiphenyl	68%	50-150%

Method Blank Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59833-MB1	8G62769.D	1	12/03/24	CP	12/02/24	OP59833	G8G2700

The QC reported here applies to the following samples: **Method:** SW846 8081B

JE1300-9T

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.40	0.078	ug/kg	
319-84-6	alpha-BHC	ND	0.40	0.046	ug/kg	
319-85-7	beta-BHC	ND	0.40	0.058	ug/kg	
319-86-8	delta-BHC	ND	0.40	0.060	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.40	0.070	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.40	0.054	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.40	0.060	ug/kg	
57-74-9	Chlordane (alpha and gamma)	ND	0.40	0.054	ug/kg	
60-57-1	Dieldrin	ND	0.40	0.064	ug/kg	
72-54-8	4,4'-DDD	ND	0.40	0.042	ug/kg	
72-55-9	4,4'-DDE	ND	0.40	0.048	ug/kg	
50-29-3	4,4'-DDT	ND	0.40	0.070	ug/kg	
72-20-8	Endrin	ND	0.40	0.058	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.40	0.048	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.40	0.12	ug/kg	
959-98-8	Endosulfan-I	ND	0.40	0.054	ug/kg	
33213-65-9	Endosulfan-II	ND	0.40	0.056	ug/kg	
76-44-8	Heptachlor	ND	0.40	0.052	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.40	0.072	ug/kg	
72-43-5	Methoxychlor	ND	0.40	0.16	ug/kg	
53494-70-5	Endrin ketone	ND	0.40	0.064	ug/kg	
8001-35-2	Toxaphene	ND	5.0	3.3	ug/kg	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	97%	46-145%
877-09-8	Tetrachloro-m-xylene	83%	46-145%
2051-24-3	Decachlorobiphenyl	103%	29-163%
2051-24-3	Decachlorobiphenyl	81%	29-163%

Method Blank Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59788-MB1	RL23008.D	1	12/01/24	RK	11/29/24	OP59788	GRL549

The QC reported here applies to the following samples: **Method:** SW846 8082A

JE1300-51

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.18	0.050	ug/l	
11104-28-2	Aroclor 1221	ND	0.18	0.096	ug/l	
11141-16-5	Aroclor 1232	ND	0.18	0.071	ug/l	
53469-21-9	Aroclor 1242	ND	0.18	0.040	ug/l	
12672-29-6	Aroclor 1248	ND	0.18	0.036	ug/l	
11097-69-1	Aroclor 1254	ND	0.18	0.068	ug/l	
11096-82-5	Aroclor 1260	ND	0.18	0.11	ug/l	
11100-14-4	Aroclor 1268	ND	0.18	0.062	ug/l	
37324-23-5	Aroclor 1262	ND	0.18	0.040	ug/l	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	63%	50-150%
877-09-8	Tetrachloro-m-xylene	68%	50-150%
2051-24-3	Decachlorobiphenyl	106%	50-150%
2051-24-3	Decachlorobiphenyl	111%	50-150%

Blank Spike Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59833-BS1	8G62770.D	1	12/03/24	CP	12/02/24	OP59833	G8G2700

The QC reported here applies to the following samples: **Method:** SW846 8081B

JE1300-9T

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
309-00-2	Aldrin	5	4.5	90	71-115
319-84-6	alpha-BHC	5	4.5	90	69-110
319-85-7	beta-BHC	5	4.3	86	67-115
319-86-8	delta-BHC	5	4.6	92	58-110
58-89-9	gamma-BHC (Lindane)	5	4.5	90	70-108
5103-71-9	alpha-Chlordane	5	4.6	92	69-112
5103-74-2	gamma-Chlordane	5	4.7	94	68-111
57-74-9	Chlordane (alpha and gamma)	10	9.2	92	67-110
60-57-1	Dieldrin	5	4.6	92	71-112
72-54-8	4,4'-DDD	5	4.7	94	69-120
72-55-9	4,4'-DDE	5	4.9	98	71-108
50-29-3	4,4'-DDT	5	4.5	90	57-112
72-20-8	Endrin	5	5.2	104	71-121
1031-07-8	Endosulfan sulfate	5	4.4	88	68-108
7421-93-4	Endrin aldehyde	5	4.5	90	66-126
959-98-8	Endosulfan-I	5	4.5	90	65-114
33213-65-9	Endosulfan-II	5	4.5	90	65-115
76-44-8	Heptachlor	5	4.4	88	66-114
1024-57-3	Heptachlor epoxide	5	4.5	90	69-118
72-43-5	Methoxychlor	5	4.4	88	61-111
53494-70-5	Endrin ketone	5	3.9	78	70-108

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	96%	46-145%
877-09-8	Tetrachloro-m-xylene	85%	46-145%
2051-24-3	Decachlorobiphenyl	86%	29-163%
2051-24-3	Decachlorobiphenyl	81%	29-163%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59788-BS1	RL23009.D	1	12/01/24	RK	11/29/24	OP59788	GRL549

The QC reported here applies to the following samples: **Method:** SW846 8082A

JE1300-51

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
12674-11-2	Aroclor 1016	3.62	3.0	83 [a]	60-140
11104-28-2	Aroclor 1221		ND		60-140
11141-16-5	Aroclor 1232		ND		60-140
53469-21-9	Aroclor 1242		ND		60-140
12672-29-6	Aroclor 1248		ND		60-140
11097-69-1	Aroclor 1254		ND		60-140
11096-82-5	Aroclor 1260	3.62	3.7	102 [a]	60-140
11100-14-4	Aroclor 1268		ND		60-140
37324-23-5	Aroclor 1262		ND		60-140

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	61%	50-150%
877-09-8	Tetrachloro-m-xylene	64%	50-150%
2051-24-3	Decachlorobiphenyl	110%	50-150%
2051-24-3	Decachlorobiphenyl	113%	50-150%

(a) Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59787-BS1	8G62733.D	1	12/01/24	RK	11/29/24	OP59787	G8G2697
OP59787-BSD	8G62734.D	1	12/01/24	RK	11/29/24	OP59787	G8G2697

The QC reported here applies to the following samples: **Method:** SW846 8081B

JE1300-51

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
309-00-2	Aldrin	0.0919	0.088	96	0.092	100	4	70-130/30
319-84-6	alpha-BHC	0.0919	0.094	102	0.095	104	1	70-130/30
319-85-7	beta-BHC	0.0919	0.084	91	0.091	99	8	70-130/30
319-86-8	delta-BHC	0.0919	0.091	99	0.099	108	8	70-130/30
58-89-9	gamma-BHC (Lindane)	0.0919	0.095	103	0.10	109	5	70-130/30
5103-71-9	alpha-Chlordane	0.0919	0.092	100	0.10	109	8	70-130/30
5103-74-2	gamma-Chlordane	0.0919	0.099	108	0.11	120	11	70-130/30
57-74-9	Chlordane (alpha and gamma)	0.184	0.19	103	0.21	114	10	70-130/30
60-57-1	Dieldrin	0.0919	0.098	107	0.10	109	2	70-130/30
72-54-8	4,4'-DDD	0.0919	0.10	109	0.11	120	10	70-130/30
72-55-9	4,4'-DDE	0.0919	0.10	109	0.11	120	10	70-130/30
50-29-3	4,4'-DDT	0.0919	0.086	94	0.088	96	2	70-130/30
72-20-8	Endrin	0.0919	0.10	109	0.11	120	10	70-130/30
1031-07-8	Endosulfan sulfate	0.0919	0.088	96	0.093	101	6	70-130/30
7421-93-4	Endrin aldehyde	0.0919	0.088	96	0.094	102	7	70-130/30
53494-70-5	Endrin ketone	0.0919	0.076	83	0.081	88	6	70-130/30
959-98-8	Endosulfan-I	0.0919	0.096	104	0.10	109	4	70-130/30
33213-65-9	Endosulfan-II	0.0919	0.091	99	0.096	105	5	70-130/30
76-44-8	Heptachlor	0.0919	0.082	89	0.085	93	4	70-130/30
1024-57-3	Heptachlor epoxide	0.0919	0.097	106	0.10	109	3	70-130/30
72-43-5	Methoxychlor	0.0919	0.082	89	0.085	93	4	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
877-09-8	Tetrachloro-m-xylene	120%	122%	50-150%
877-09-8	Tetrachloro-m-xylene	101%	103%	50-150%
2051-24-3	Decachlorobiphenyl	117%	117%	50-150%
2051-24-3	Decachlorobiphenyl	90%	89%	50-150%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59833-MS	8G62774.D	1	12/03/24	CP	12/02/24	OP59833	G8G2700
OP59833-MSD	8G62775.D	1	12/03/24	CP	12/02/24	OP59833	G8G2700
JE1300-9Q [a]	8G62776.D	1	12/03/24	CP	12/02/24	OP59833	G8G2700

The QC reported here applies to the following samples: **Method:** SW846 8081B

JE1300-9T

CAS No.	Compound	JE1300-9Q ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
309-00-2	Aldrin	ND		4.72	4.6	98	4.81	4.6	96	0	34-125/32
319-84-6	alpha-BHC	ND		4.72	4.7	100	4.81	5.0	104	6	43-124/28
319-85-7	beta-BHC	ND		4.72	3.9	83	4.81	3.9	81	0	21-145/34
319-86-8	delta-BHC	ND		4.72	4.5	95	4.81	4.5	94	0	36-119/32
58-89-9	gamma-BHC (Lindane)	ND		4.72	4.5	95	4.81	4.4	92	2	48-118/28
5103-71-9	alpha-Chlordane	22.2	E	4.72	31.8	204* [b]	4.81	39.0	349* [b]	20	28-132/33
5103-74-2	gamma-Chlordane	4.2		4.72	9.7	117	4.81	10.9	139* [c]	12	20-132/33
57-74-9	Chlordane (alpha and gamma)	26.4	E	9.43	41.1	156* [b]	9.62	49.8	243* [b]	19	20-125/32
60-57-1	Dieldrin	ND		4.72	4.4	93	4.81	4.9	102	11	32-134/32
72-54-8	4,4'-DDD	0.58		4.72	5.3	100	4.81	6.3	119	17	28-135/33
72-55-9	4,4'-DDE	16.8		4.72	27.3	244* [b]	4.81	32.6	349* [b]	18	23-133/32
50-29-3	4,4'-DDT	8.6		4.72	17.9	231* [c]	4.81	21.7	306* [c]	19	10-144/41
72-20-8	Endrin	1.4		4.72	7.2	123	4.81	8.0	137	11	33-143/33
1031-07-8	Endosulfan sulfate	ND		4.72	3.9	83	4.81	4.2	87	7	18-133/34
7421-93-4	Endrin aldehyde	ND		4.72	4.3	91	4.81	4.8	100	11	20-139/36
959-98-8	Endosulfan-I	ND		4.72	17.2	365* [c]	4.81	19.3	401* [c]	12	32-127/31
33213-65-9	Endosulfan-II	ND		4.72	4.5	95	4.81	4.6	96	2	28-128/33
76-44-8	Heptachlor	0.11	J	4.72	4.1	85	4.81	4.5	91	9	30-133/34
1024-57-3	Heptachlor epoxide	24.1	E	4.72	32.6	180* [b]	4.81	39.5	320* [b]	19	37-131/32
72-43-5	Methoxychlor	1.4		4.72	6.3	104	4.81	6.7	110	6	13-136/37
53494-70-5	Endrin ketone	ND		4.72	6.0	127	4.81	6.5	135	8	24-149/34
8001-35-2	Toxaphene	ND			ND			ND		nc	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	JE1300-9Q	Limits
877-09-8	Tetrachloro-m-xylene	83%	78%		46-145%
877-09-8	Tetrachloro-m-xylene	77%	81%		46-145%
2051-24-3	Decachlorobiphenyl	89%	86%		29-163%
2051-24-3	Decachlorobiphenyl	110%	129%		29-163%

(a) Sample used for QC purposes only.
(b) Outside control limits due to high level in sample relative to spike amount.
(c) Outside of in house control limits.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59788-MS	RL23010.D	1	12/01/24	RK	11/29/24	OP59788	GRL549
OP59788-MSD	RL23011.D	1	12/01/24	RK	11/29/24	OP59788	GRL549
JE1428-8	RL23017.D	1	12/01/24	RK	11/29/24	OP59788	GRL549

The QC reported here applies to the following samples: **Method:** SW846 8082A

JE1300-51

CAS No.	Compound	JE1428-8 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	ND		3.64	2.9	80 [a]	3.66	2.9	79 [a]	0 [a]	60-140/30
11104-28-2	Aroclor 1221	ND			ND			ND		nc	60-140/30
11141-16-5	Aroclor 1232	ND			ND			ND		nc	60-140/30
53469-21-9	Aroclor 1242	ND			ND			ND		nc	60-140/30
12672-29-6	Aroclor 1248	ND			ND			ND		nc	60-140/30
11097-69-1	Aroclor 1254	ND			ND			ND		nc	60-140/30
11096-82-5	Aroclor 1260	ND		3.64	3.6	99 [a]	3.66	3.6	98 [a]	0 [a]	60-140/30
11100-14-4	Aroclor 1268	ND			ND			ND		nc	60-140/30
37324-23-5	Aroclor 1262	ND			ND			ND		nc	60-140/30

CAS No.	Surrogate Recoveries	MS	MSD	JE1428-8	Limits
877-09-8	Tetrachloro-m-xylene	60%	59%	69%	50-150%
877-09-8	Tetrachloro-m-xylene	63%	62%	76%	50-150%
2051-24-3	Decachlorobiphenyl	96%	100%	91%	50-150%
2051-24-3	Decachlorobiphenyl	109%	105%	95%	50-150%

(a) Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.

* = Outside of Control Limits.

Internal Standard Area Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G4G4540-CC4525	**Injection Date:**	12/26/24
Lab File ID:	4G9742504.D	**Injection Time:**	09:39
Instrument ID:	GC4G	**Method:**	SW846 8081B

	IS 1 AREA	RT	IS 2 AREA	RT
Initial Cal [a]	419520175	5.22	1177121216	4.90
Check Std [b]	373628934	5.15	866348697	4.89
Upper Limit [c]	629280263	5.65	1765681824	5.39
Lower Limit [d]	209760088	4.65	588560608	4.39

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT
ZZZZZZ	444703867	5.15	989831964	4.89
ZZZZZZ	447922412	5.15	1024077477	4.89
ZZZZZZ	430852710	5.15	993161923	4.89
JE1818-1R	344675622	5.15	763293367	4.89
ZZZZZZ	380410234	5.15	835384828	4.89
ZZZZZZ	367669403	5.15	777995770	4.89
ZZZZZZ	377786963	5.15	873707460	4.89
ZZZZZZ	364187671	5.15	807443122	4.89
ZZZZZZ	379089615	5.15	882991963	4.89
ZZZZZZ	383949119	5.15	825371509	4.89
ZZZZZZ	394763687	5.15	853130943	4.89
ZZZZZZ	375453117	5.15	804600686	4.89
ZZZZZZ	407016184	5.15	912617512	4.89
ZZZZZZ	386465242	5.15	860753591	4.89
ZZZZZZ	416228570	5.15	972113734	4.89
JE1300-9T [e]	394926698	5.15	913150175	4.89

IS 1 = 1-Bromo-2-nitrobenzene (Signal #2)
IS 2 = 1-Bromo-2-nitrobenzene (Signal #1)

(a) Initial Cal is: G4G4525-ICC4525 4G9742178.D 12/11/24 05:40. Area is AVERAGE of initial cal points.
(b) Check Std Limit = -50 to + 50% of initial cal area.
(c) Upper Limit = + 50% of initial standard area; Retention time + 0.5 minutes of check standard.
(d) Lower Limit = -50% of initial standard area; Retention time -0.5 minutes of check standard.
(e) Sample extracted outside the holding time.

Internal Standard Area Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G8G2697-CC2596	**Injection Date:**	12/01/24
Lab File ID:	8G62730.D	**Injection Time:**	06:05
Instrument ID:	GC8G	**Method:**	SW846 8081B

	IS 1 AREA	RT	IS 2 AREA	RT
Initial Cal [a]	651180446	2.79	265523173	2.42
Check Std [b]	667293985	2.78	290437469	2.41
Upper Limit [c]	976770669	3.28	398284760	2.91
Lower Limit [d]	325590223	2.28	132761587	1.91

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT
OP59787-MB1	889959665	2.78	335774428	2.41
OP59787-BS1	744275045	2.78	294970299	2.41
OP59787-BSD	690415009	2.78	279998885	2.41
JE1300-51	677553821	2.78	264140033	2.41
ZZZZZZ	697274280	2.78	269992560	2.41
ZZZZZZ	668344667	2.78	290762477	2.42
ZZZZZZ	673224489	2.78	258753503	2.41

IS 1 = 1-Bromo-2-nitrobenzene (Signal #2)
IS 2 = 1-Bromo-2-nitrobenzene (Signal #1)

(a) Initial Cal is: G8G2596-ICC2596 8G60346.D 09/18/24 13:06. Area is AVERAGE of initial cal points.
(b) Check Std Limit = -50 to + 50% of initial cal area.
(c) Upper Limit = + 50% of initial standard area; Retention time + 0.5 minutes of check standard.
(d) Lower Limit = -50% of initial standard area; Retention time -0.5 minutes of check standard.

Internal Standard Area Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G8G2700-CC2596	**Injection Date:**	12/03/24
Lab File ID:	8G62764.D	**Injection Time:**	01:07
Instrument ID:	GC8G	**Method:**	SW846 8081B

	IS 1 AREA	RT	IS 2 AREA	RT
Initial Cal [a]	651180446	2.79	265523173	2.42
Check Std [b]	707247898	2.77	320089610	2.40
Upper Limit [c]	976770669	3.27	398284760	2.90
Lower Limit [d]	325590223	2.27	132761587	1.90

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT
OP59820-MB1	838279665	2.77	367356114	2.40
OP59820-BS1	790224096	2.77	337421361	2.40
OP59820-BSD	805897848	2.77	324361464	2.40
OP59833-MB1	765887546	2.77	338702034	2.40
OP59833-BS1	771169372	2.77	336584189	2.41
ZZZZZZ	801073347	2.77	344771078	2.41
OP59833-MS	827353265	2.77	376537789	2.41
OP59833-MSD	716412005	2.77	348744873	2.41
JE1300-9Q	658780662	2.77	315233311	2.41
JE1300-9T	658780662	2.77	315233311	2.41
ZZZZZZ	749853688	2.77	346195004	2.40
ZZZZZZ	696063015	2.77	335592833	2.41
ZZZZZZ	663935144	2.77	327325042	2.41
ZZZZZZ	489641870	2.76	308367844	2.39
ZZZZZZ	619709995	2.77	294844447	2.41
ZZZZZZ	711170934	2.78	318894819	2.42

IS 1 = 1-Bromo-2-nitrobenzene (Signal #2)
IS 2 = 1-Bromo-2-nitrobenzene (Signal #1)

(a) Initial Cal is: G8G2596-ICC2596 8G60346.D 09/18/24 13:06. Area is AVERAGE of initial cal points.
(b) Check Std Limit = -50 to + 50% of initial cal area.
(c) Upper Limit = + 50% of initial standard area; Retention time + 0.5 minutes of check standard.
(d) Lower Limit = -50% of initial standard area; Retention time -0.5 minutes of check standard.

DDT/Endrin Breakdown Check

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	G4G4525-DDT	**Injection Date:**	12/11/24
Lab File ID:	4G9742171.D	**Injection Time:**	02:43
Instrument ID:	GC4G		

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	5434686	6328068
4,4'-DDE	2378404	3663573
4,4'-DDT	1749682431	437097433
DDT Breakdown [a]	0.4 %	2.2 %
Endrin aldehyde	9291054	1618035
Endrin ketone	8222166	2655112
Endrin	1094536748	313130472
Endrin Breakdown [b]	1.6 %	1.3 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
G4G4525-IC4525	4G9742174.D	12/11/24	03:59	01:16	Initial cal 0.1
G4G4525-IC4525	4G9742175.D	12/11/24	04:24	01:41	Initial cal 0.2
G4G4525-IC4525	4G9742176.D	12/11/24	04:50	02:07	Initial cal 0.5
G4G4525-IC4525	4G9742177.D	12/11/24	05:15	02:32	Initial cal 1
G4G4525-ICC4525	4G9742178.D	12/11/24	05:40	02:57	Initial cal 2.5
G4G4525-IC4525	4G9742179.D	12/11/24	06:06	03:23	Initial cal 5
G4G4525-IC4525	4G9742180.D	12/11/24	06:31	03:48	Initial cal 7.5
G4G4525-IC4525	4G9742181.D	12/11/24	06:56	04:13	Initial cal 10
G4G4525-IC4525	4G9742182.D	12/11/24	07:21	04:38	Initial cal 50
G4G4525-IC4525	4G9742183.D	12/11/24	07:45	05:02	Initial cal 50
G4G4525-ICV4525	4G9742184.D	12/11/24	08:09	05:26	Initial cal verification 2.5
G4G4525-ICV4525	4G9742185.D	12/11/24	08:33	05:50	Initial cal verification 50
G4G4525-ICV4525	4G9742186.D	12/11/24	08:57	06:14	Initial cal verification 50

DDT/Endrin Breakdown Check

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	G4G4540-DDT	**Injection Date:**	12/26/24
Lab File ID:	4G9742503.D	**Injection Time:**	09:14
Instrument ID:	GC4G		

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	10920000	10621847
4,4'-DDE	1541843	2276280
4,4'-DDT	1660567587	425850271
DDT Breakdown [a]	0.7 %	2.9 %
Endrin aldehyde	9513286	2725566
Endrin ketone	12223404	4751145
Endrin	1016792205	342413458
Endrin Breakdown [b]	2.1 %	2.1 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
G4G4540-CC4525	4G9742504.D	12/26/24	09:39	00:25	Continuing cal 5
ZZZZZZ	4G9742506.D	12/26/24	10:29	01:15	(unrelated sample)
ZZZZZZ	4G9742507.D	12/26/24	10:53	01:39	(unrelated sample)
ZZZZZZ	4G9742508.D	12/26/24	11:18	02:04	(unrelated sample)
JE1818-1R	4G9742509.D	12/26/24	11:42	02:28	(used for QC only; not part of job JE1300)
ZZZZZZ	4G9742510.D	12/26/24	12:07	02:53	(unrelated sample)
ZZZZZZ	4G9742511.D	12/26/24	12:31	03:17	(unrelated sample)
ZZZZZZ	4G9742512.D	12/26/24	12:56	03:42	(unrelated sample)
ZZZZZZ	4G9742513.D	12/26/24	13:21	04:07	(unrelated sample)
ZZZZZZ	4G9742514.D	12/26/24	13:45	04:31	(unrelated sample)
ZZZZZZ	4G9742515.D	12/26/24	14:09	04:55	(unrelated sample)
ZZZZZZ	4G9742516.D	12/26/24	14:33	05:19	(unrelated sample)
ZZZZZZ	4G9742517.D	12/26/24	14:57	05:43	(unrelated sample)
ZZZZZZ	4G9742518.D	12/26/24	15:22	06:08	(unrelated sample)
ZZZZZZ	4G9742519.D	12/26/24	15:46	06:32	(unrelated sample)
ZZZZZZ	4G9742522.D	12/26/24	16:58	07:44	(unrelated sample)
JE1300-9T	4G9742524.D	12/26/24	17:46	08:32	GRID-4R

DDT/Endrin Breakdown Check

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	G8G2596-DDT	**Injection Date:**	09/18/24
Lab File ID:	8G60340.D	**Injection Time:**	10:50
Instrument ID:	GC8G		

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	6679618	18368373
4,4'-DDE	1340099	5370003
4,4'-DDT	689441934	1255768508
DDT Breakdown [a]	1.1 %	1.9 %
Endrin aldehyde	2965374	21664296
Endrin ketone	11326377	17699250
Endrin	311157621	655895389
Endrin Breakdown [b]	4.4 %	5.7 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
G8G2596-IC2596	8G60342.D	09/18/24	11:35	00:45	Initial cal 0.1
G8G2596-IC2596	8G60343.D	09/18/24	11:58	01:08	Initial cal 0.2
G8G2596-IC2596	8G60344.D	09/18/24	12:21	01:31	Initial cal 0.5
G8G2596-IC2596	8G60345.D	09/18/24	12:43	01:53	Initial cal 1
G8G2596-ICC2596	8G60346.D	09/18/24	13:06	02:16	Initial cal 2.5
G8G2596-IC2596	8G60347.D	09/18/24	13:29	02:39	Initial cal 5
G8G2596-IC2596	8G60348.D	09/18/24	13:51	03:01	Initial cal 7.5
G8G2596-IC2596	8G60349.D	09/18/24	14:14	03:24	Initial cal 10
G8G2596-ICV2596	8G60350.D	09/18/24	14:37	03:47	Initial cal verification 2.5
G8G2596-IC2596	8G60351.D	09/18/24	15:00	04:10	Initial cal 50
G8G2596-ICV2596	8G60352.D	09/18/24	15:22	04:32	Initial cal verification 50
G8G2596-IC2596	8G60353.D	09/18/24	15:45	04:55	Initial cal 50
G8G2596-ICV2596	8G60354.D	09/18/24	16:08	05:18	Initial cal verification 50

DDT/Endrin Breakdown Check

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	G8G2697-DDT	**Injection Date:**	12/01/24
Lab File ID:	8G62729.D	**Injection Time:**	05:41
Instrument ID:	GC8G		

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	12757058	41745656
4,4'-DDE	780420	2845657
4,4'-DDT	631320077	990405440
DDT Breakdown [a]	2.1 %	4.3 %
Endrin aldehyde	2503213	8510159
Endrin ketone	9482690	17343602
Endrin	324306343	595554463
Endrin Breakdown [b]	3.6 %	4.2 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
G8G2697-CC2596	8G62730.D	12/01/24	06:05	00:24	Continuing cal 5
OP59787-MB1	8G62732.D	12/01/24	06:52	01:11	Method Blank
OP59787-BS1	8G62733.D	12/01/24	07:16	01:35	Blank Spike
OP59787-BSD	8G62734.D	12/01/24	07:40	01:59	Blank Spike Duplicate
JE1300-51	8G62735.D	12/01/24	08:04	02:23	FB-2
ZZZZZZ	8G62736.D	12/01/24	08:28	02:47	(unrelated sample)
ZZZZZZ	8G62737.D	12/01/24	08:52	03:11	(unrelated sample)
ZZZZZZ	8G62738.D	12/01/24	09:16	03:35	(unrelated sample)

DDT/Endrin Breakdown Check

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	G8G2700-DDT	**Injection Date:**	12/03/24
Lab File ID:	8G62762.D	**Injection Time:**	00:19
Instrument ID:	GC8G		

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	13352496	45252466
4,4'-DDE	723064	2850969
4,4'-DDT	657954260	1067635809
DDT Breakdown [a]	2.1 %	4.3 %
Endrin aldehyde	877688	5876817
Endrin ketone	7141980	13027832
Endrin	347533700	630312279
Endrin Breakdown [b]	2.3 %	2.9 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
G8G2700-CC2596	8G62764.D	12/03/24	01:07	00:48	Continuing cal 5
OP59820-MB1	8G62766.D	12/03/24	01:55	01:36	Method Blank
OP59820-BS1	8G62767.D	12/03/24	02:19	02:00	Blank Spike
OP59820-BSD	8G62768.D	12/03/24	02:43	02:24	Blank Spike Duplicate
OP59833-MB1	8G62769.D	12/03/24	03:07	02:48	Method Blank
OP59833-BS1	8G62770.D	12/03/24	03:31	03:12	Blank Spike
ZZZZZZ	8G62771.D	12/03/24	03:55	03:36	(unrelated sample)
OP59833-MS	8G62774.D	12/03/24	05:07	04:48	Matrix Spike
OP59833-MSD	8G62775.D	12/03/24	05:31	05:12	Matrix Spike Duplicate
JE1300-9T	8G62776.D	12/03/24	05:55	05:36	GRID-4R
JE1300-9Q	8G62776.D	12/03/24	05:55	05:36	(used for QC only; not part of job JE1300)
ZZZZZZ	8G62777.D	12/03/24	06:19	06:00	(unrelated sample)
ZZZZZZ	8G62778.D	12/03/24	06:43	06:24	(unrelated sample)
ZZZZZZ	8G62779.D	12/03/24	07:06	06:47	(unrelated sample)
ZZZZZZ	8G62780.D	12/03/24	07:30	07:11	(unrelated sample)
ZZZZZZ	8G62781.D	12/03/24	07:53	07:34	(unrelated sample)
ZZZZZZ	8G62782.D	12/03/24	08:17	07:58	(unrelated sample)

GC Identification Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G8G2700-CC2596	**Injection Date:**	12/03/24
Lab File ID:	8G62764.D	**Injection Time:**	01:07
Instrument ID:	GC8G	**Method:**	SW846 8081B

Sample ID:	JE1300-9T	**Injection Date:**	12/03/24
Lab File ID:	8G62776.D	**Injection Time:**	05:55
Client ID:	GRID-4R		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
gamma-Chlordane	1 [a]	5.60	5.59	0.0047		mg/kg	0.0
gamma-Chlordane	2	7.23	7.23	0.0047		mg/kg	
4,4'-DDD	1	6.77	6.77	0.00069		mg/kg	4.4
4,4'-DDD	2 [a]	8.72	8.72	0.00066		mg/kg	
4,4'-DDE [b]	1 [a]	5.88	5.88	0.0177		mg/kg	6.6
4,4'-DDE [b]	2	7.72	7.72	0.0189		mg/kg	
4,4'-DDT [b]	1 [a]	7.20	7.20	0.0079		mg/kg	19.4
4,4'-DDT [b]	2	9.28	9.28	0.0096		mg/kg	
Endrin [c]	1	6.72	6.66	0.0017		mg/kg	6.1
Endrin [c]	2 [a]	8.62	8.58	0.0016		mg/kg	
Heptachlor	1	4.28	4.29	0.00013	J	mg/kg	8.0
Heptachlor	2 [a]	5.53	5.53	0.00012	J	mg/kg	
Methoxychlor	1 [a]	8.00	8.00	0.0016		mg/kg	27.0
Methoxychlor	2	10.51	10.51	0.0021		mg/kg	

(a) Final result reported from this column.
(b) Associated CCV outside control limits biased high. Sample reanalyzed for confirmation with similar results.
(c) Associated CCV outside of control limits high.

GC Identification Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G4G4540-CC4525	**Injection Date:**	12/26/24
Lab File ID:	4G9742504.D	**Injection Time:**	09:39
Instrument ID:	GC4G	**Method:**	SW846 8081B

Sample ID:	JE1300-9T	**Injection Date:**	12/26/24
Lab File ID:	4G9742524.D	**Injection Time:**	17:46
Client ID:	GRID-4R		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
alpha-Chlordane	1	8.35	8.35	0.0881		mg/kg	12.8
alpha-Chlordane	2 [a]	9.66	9.66	0.0775		mg/kg	
Chlordane (alpha and gamma)	n/a [b]			0.0822		mg/kg	
Heptachlor epoxide	1	8.01	8.01	0.106	E	mg/kg	28.1
Heptachlor epoxide	2 [a]	9.13	9.14	0.0799		mg/kg	

(a) Final result reported from this column.
(b) Final reported result.

GC Identification Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G8G2697-CC2596	**Injection Date:**	12/01/24
Lab File ID:	8G62730.D	**Injection Time:**	06:05
Instrument ID:	GC8G	**Method:**	SW846 8081B

Sample ID:	OP59787-BS1	**Injection Date:**	12/01/24
Lab File ID:	8G62733.D	**Injection Time:**	07:16
Client ID:	Blank Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aldrin	1	4.66	4.66	0.10		ug/l	12.8
Aldrin	2 [a]	6.05	6.05	0.088		ug/l	
alpha-BHC	1	3.45	3.45	0.11		ug/l	15.7
alpha-BHC	2 [a]	4.40	4.40	0.094		ug/l	
beta-BHC	1	3.85	3.85	0.11		ug/l	26.8
beta-BHC	2 [a]	4.97	4.97	0.084		ug/l	
delta-BHC	1	4.05	4.05	0.11		ug/l	18.9
delta-BHC	2 [a]	5.41	5.41	0.091		ug/l	
gamma-BHC (Lindane)	1	3.77	3.77	0.12		ug/l	23.3
gamma-BHC (Lindane)	2 [a]	4.88	4.88	0.095		ug/l	
alpha-Chlordane	1	5.79	5.79	0.12		ug/l	26.4
alpha-Chlordane	2 [a]	7.48	7.48	0.092		ug/l	
gamma-Chlordane	1	5.60	5.61	0.11		ug/l	10.5
gamma-Chlordane	2 [a]	7.24	7.24	0.099		ug/l	
Chlordane (alpha and gamma)	n/a [b]			0.19		ug/l	
Dieldrin	1	6.33	6.33	0.12		ug/l	20.2
Dieldrin	2 [a]	8.05	8.05	0.098		ug/l	
4,4'-DDD	1	6.78	6.78	0.12		ug/l	18.2
4,4'-DDD	2 [a]	8.73	8.73	0.10		ug/l	
4,4'-DDE	1	5.89	5.89	0.12		ug/l	18.2
4,4'-DDE	2 [a]	7.73	7.73	0.10		ug/l	
4,4'-DDT	1	7.21	7.22	0.11		ug/l	24.5
4,4'-DDT	2 [a]	9.29	9.29	0.086		ug/l	
Endrin	1	6.67	6.67	0.14		ug/l	33.3
Endrin	2 [a]	8.59	8.59	0.10		ug/l	
Endosulfan sulfate	1	8.39	8.39	0.12		ug/l	30.8
Endosulfan sulfate	2 [a]	10.02	10.02	0.088		ug/l	
Endrin aldehyde	1	7.67	7.67	0.11		ug/l	22.2
Endrin aldehyde	2 [a]	9.53	9.53	0.088		ug/l	
Endrin ketone	1	8.85	8.85	0.11		ug/l	36.6
Endrin ketone	2 [a]	10.98	10.98	0.076		ug/l	
Endosulfan-I	1	5.98	5.98	0.11		ug/l	13.6
Endosulfan-I	2 [a]	7.59	7.59	0.096		ug/l	
Endosulfan-II	1	7.01	7.01	0.11		ug/l	18.9
Endosulfan-II	2 [a]	8.95	8.95	0.091		ug/l	
Heptachlor	1	4.30	4.30	0.098		ug/l	17.8
Heptachlor	2 [a]	5.54	5.54	0.082		ug/l	
Heptachlor epoxide	1	5.43	5.43	0.12		ug/l	21.2
Heptachlor epoxide	2 [a]	6.93	6.93	0.097		ug/l	
Methoxychlor	1	8.01	8.01	0.11		ug/l	29.2
Methoxychlor	2 [a]	10.52	10.52	0.082		ug/l	

GC Identification Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G8G2697-CC2596	**Injection Date:**	12/01/24
Lab File ID:	8G62730.D	**Injection Time:**	06:05
Instrument ID:	GC8G	**Method:**	SW846 8081B

Sample ID:	OP59787-BS1	**Injection Date:**	12/01/24
Lab File ID:	8G62733.D	**Injection Time:**	07:16
Client ID:	Blank Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc

(a) QC results reported from this column.
(b) Final reported result.

GC Identification Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G8G2700-CC2596	**Injection Date:**	12/03/24
Lab File ID:	8G62764.D	**Injection Time:**	01:07
Instrument ID:	GC8G	**Method:**	SW846 8081B

Sample ID:	OP59833-BS1	**Injection Date:**	12/03/24
Lab File ID:	8G62770.D	**Injection Time:**	03:31
Client ID:	Blank Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aldrin	1	4.65	4.65	5.2		ug/kg	14.4
Aldrin	2 [a]	6.04	6.04	4.5		ug/kg	
alpha-BHC	1	3.44	3.44	5.2		ug/kg	14.4
alpha-BHC	2 [a]	4.39	4.39	4.5		ug/kg	
beta-BHC	1	3.84	3.84	5.1		ug/kg	17.0
beta-BHC	2 [a]	4.96	4.96	4.3		ug/kg	
delta-BHC	1	4.04	4.04	5.4		ug/kg	16.0
delta-BHC	2 [a]	5.40	5.40	4.6		ug/kg	
gamma-BHC (Lindane)	1	3.76	3.76	5.1		ug/kg	12.5
gamma-BHC (Lindane)	2 [a]	4.87	4.87	4.5		ug/kg	
alpha-Chlordane	1	5.78	5.77	5.4		ug/kg	16.0
alpha-Chlordane	2 [a]	7.47	7.47	4.6		ug/kg	
gamma-Chlordane	1	5.59	5.59	4.9		ug/kg	4.2
gamma-Chlordane	2 [a]	7.23	7.23	4.7		ug/kg	
Chlordane (alpha and gamma)	n/a [b]			9.2		ug/kg	
Dieldrin	1	6.31	6.31	5.2		ug/kg	12.2
Dieldrin	2 [a]	8.04	8.04	4.6		ug/kg	
4,4'-DDD	1	6.77	6.77	5.2		ug/kg	10.1
4,4'-DDD	2 [a]	8.72	8.72	4.7		ug/kg	
4,4'-DDE	1	5.88	5.88	5.4		ug/kg	9.7
4,4'-DDE	2 [a]	7.72	7.72	4.9		ug/kg	
4,4'-DDT	1	7.20	7.20	5.2		ug/kg	14.4
4,4'-DDT	2 [a]	9.28	9.28	4.5		ug/kg	
Endrin	1	6.66	6.66	6.2		ug/kg	17.5
Endrin	2 [a]	8.58	8.58	5.2		ug/kg	
Endosulfan sulfate	1	8.38	8.38	5.4		ug/kg	20.4
Endosulfan sulfate	2 [a]	10.01	10.01	4.4		ug/kg	
Endrin aldehyde	1	7.66	7.66	5.3		ug/kg	16.3
Endrin aldehyde	2 [a]	9.52	9.52	4.5		ug/kg	
Endosulfan-I	1	5.97	5.97	5.0		ug/kg	10.5
Endosulfan-I	2 [a]	7.58	7.58	4.5		ug/kg	
Endosulfan-II	1	7.00	7.00	5.3		ug/kg	16.3
Endosulfan-II	2 [a]	8.94	8.94	4.5		ug/kg	
Heptachlor	1	4.29	4.29	5.1		ug/kg	14.7
Heptachlor	2 [a]	5.53	5.53	4.4		ug/kg	
Heptachlor epoxide	1	5.42	5.42	5.2		ug/kg	14.4
Heptachlor epoxide	2 [a]	6.92	6.92	4.5		ug/kg	
Methoxychlor	1	8.00	8.00	5.2		ug/kg	16.7
Methoxychlor	2 [a]	10.51	10.51	4.4		ug/kg	
Endrin ketone	1	8.83	8.83	5.0		ug/kg	24.7
Endrin ketone	2 [a]	10.97	10.97	3.9		ug/kg	

GC Identification Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G8G2700-CC2596	**Injection Date:**	12/03/24
Lab File ID:	8G62764.D	**Injection Time:**	01:07
Instrument ID:	GC8G	**Method:**	SW846 8081B

Sample ID:	OP59833-BS1	**Injection Date:**	12/03/24
Lab File ID:	8G62770.D	**Injection Time:**	03:31
Client ID:	Blank Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc

(a) QC results reported from this column.
(b) Final reported result.

GC Identification Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G8G2697-CC2596	**Injection Date:**	12/01/24
Lab File ID:	8G62730.D	**Injection Time:**	06:05
Instrument ID:	GC8G	**Method:**	SW846 8081B

Sample ID:	OP59787-BSD	**Injection Date:**	12/01/24
Lab File ID:	8G62734.D	**Injection Time:**	07:40
Client ID:	Blank Spike Duplicate		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aldrin	1	4.66	4.66	0.11		ug/l	17.8
Aldrin	2 [a]	6.05	6.05	0.092		ug/l	
alpha-BHC	1	3.45	3.45	0.12		ug/l	23.3
alpha-BHC	2 [a]	4.40	4.40	0.095		ug/l	
beta-BHC	1	3.85	3.85	0.12		ug/l	27.5
beta-BHC	2 [a]	4.97	4.97	0.091		ug/l	
delta-BHC	1	4.05	4.05	0.13		ug/l	27.1
delta-BHC	2 [a]	5.42	5.41	0.099		ug/l	
gamma-BHC (Lindane)	1	3.77	3.77	0.12		ug/l	18.2
gamma-BHC (Lindane)	2 [a]	4.88	4.88	0.10		ug/l	
alpha-Chlordane	1	5.79	5.79	0.13		ug/l	26.1
alpha-Chlordane	2 [a]	7.48	7.48	0.10		ug/l	
gamma-Chlordane	1	5.60	5.61	0.12		ug/l	8.7
gamma-Chlordane	2 [a]	7.25	7.24	0.11		ug/l	
Chlordane (alpha and gamma)	n/a [b]			0.21		ug/l	
Dieldrin	1	6.32	6.33	0.12		ug/l	18.2
Dieldrin	2 [a]	8.05	8.05	0.10		ug/l	
4,4'-DDD	1	6.78	6.78	0.12		ug/l	8.7
4,4'-DDD	2 [a]	8.73	8.73	0.11		ug/l	
4,4'-DDE	1	5.89	5.89	0.13		ug/l	16.7
4,4'-DDE	2 [a]	7.73	7.73	0.11		ug/l	
4,4'-DDT	1	7.21	7.22	0.11		ug/l	22.2
4,4'-DDT	2 [a]	9.29	9.29	0.088		ug/l	
Endrin	1	6.67	6.67	0.14		ug/l	24.0
Endrin	2 [a]	8.59	8.59	0.11		ug/l	
Endosulfan sulfate	1	8.39	8.39	0.12		ug/l	25.4
Endosulfan sulfate	2 [a]	10.02	10.02	0.093		ug/l	
Endrin aldehyde	1	7.67	7.67	0.11		ug/l	15.7
Endrin aldehyde	2 [a]	9.53	9.53	0.094		ug/l	
Endrin ketone	1	8.85	8.85	0.12		ug/l	38.8
Endrin ketone	2 [a]	10.98	10.98	0.081		ug/l	
Endosulfan-I	1	5.98	5.98	0.12		ug/l	18.2
Endosulfan-I	2 [a]	7.60	7.59	0.10		ug/l	
Endosulfan-II	1	7.01	7.01	0.12		ug/l	22.2
Endosulfan-II	2 [a]	8.95	8.95	0.096		ug/l	
Heptachlor	1	4.30	4.30	0.10		ug/l	16.2
Heptachlor	2 [a]	5.54	5.54	0.085		ug/l	
Heptachlor epoxide	1	5.43	5.43	0.12		ug/l	18.2
Heptachlor epoxide	2 [a]	6.93	6.93	0.10		ug/l	
Methoxychlor	1	8.01	8.01	0.11		ug/l	25.6
Methoxychlor	2 [a]	10.52	10.52	0.085		ug/l	

GC Identification Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G8G2697-CC2596	**Injection Date:**	12/01/24
Lab File ID:	8G62730.D	**Injection Time:**	06:05
Instrument ID:	GC8G	**Method:**	SW846 8081B

Sample ID:	OP59787-BSD	**Injection Date:**	12/01/24
Lab File ID:	8G62734.D	**Injection Time:**	07:40
Client ID:	Blank Spike Duplicate		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc

(a) QC results reported from this column.
(b) Final reported result.

GC Identification Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G8G2700-CC2596	**Injection Date:**	12/03/24
Lab File ID:	8G62764.D	**Injection Time:**	01:07
Instrument ID:	GC8G	**Method:**	SW846 8081B

Sample ID:	OP59833-MS	**Injection Date:**	12/03/24
Lab File ID:	8G62774.D	**Injection Time:**	05:07
Client ID:	Matrix Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aldrin	1 [a]	4.65	4.65	4.6		ug/kg	11.5
Aldrin	2	6.04	6.04	4.1		ug/kg	
alpha-BHC	1 [a]	3.44	3.44	4.7		ug/kg	13.6
alpha-BHC	2	4.39	4.39	4.1		ug/kg	
beta-BHC	1 [a]	3.84	3.84	3.9		ug/kg	0.0
beta-BHC	2	4.96	4.96	3.9		ug/kg	
delta-BHC	1 [a]	4.04	4.04	4.5		ug/kg	6.9
delta-BHC	2	5.40	5.40	4.2		ug/kg	
gamma-BHC (Lindane)	1 [a]	3.76	3.76	4.5		ug/kg	19.5
gamma-BHC (Lindane)	2	4.87	4.87	3.7		ug/kg	
alpha-Chlordane	1	5.78	5.77	42.8	E	ug/kg	29.5
alpha-Chlordane	2 [a]	7.47	7.47	31.8	E	ug/kg	
gamma-Chlordane	1 [a]	5.60	5.59	9.7		ug/kg	4.2
gamma-Chlordane	2	7.23	7.23	9.3		ug/kg	
Chlordane (alpha and gamma)	n/a [b]			41.1	E	ug/kg	
Dieldrin	1 [a]	6.32	6.31	4.4		ug/kg	10.8
Dieldrin	2	8.04	8.04	4.9		ug/kg	
4,4'-DDD	1	6.77	6.77	4.8		ug/kg	9.9
4,4'-DDD	2 [a]	8.72	8.72	5.3		ug/kg	
4,4'-DDE	1	5.88	5.88	29.3	E	ug/kg	7.1
4,4'-DDE	2 [a]	7.72	7.72	27.3	E	ug/kg	
4,4'-DDT	1	7.20	7.20	16.8		ug/kg	6.3
4,4'-DDT	2 [a]	9.28	9.28	17.9		ug/kg	
Endrin	1	6.66	6.66	6.2		ug/kg	14.9
Endrin	2 [a]	8.58	8.58	7.2		ug/kg	
Endosulfan sulfate	1 [a]	8.38	8.38	3.9		ug/kg	16.5
Endosulfan sulfate	2	10.01	10.01	4.6		ug/kg	
Endrin aldehyde	1 [a]	7.66	7.66	4.3		ug/kg	15.1
Endrin aldehyde	2	9.52	9.52	5.0		ug/kg	
Endosulfan-I	1 [a]	5.97	5.97	17.2		ug/kg	80.8
Endosulfan-I	2	7.58	7.58	7.3		ug/kg	
Endosulfan-II	1 [a]	7.00	7.00	4.5		ug/kg	21.8
Endosulfan-II	2	8.94	8.94	5.6		ug/kg	
Heptachlor	1	4.29	4.29	4.3		ug/kg	4.8
Heptachlor	2 [a]	5.53	5.53	4.1		ug/kg	
Heptachlor epoxide	1	5.42	5.42	45.2	E	ug/kg	32.4
Heptachlor epoxide	2 [a]	6.92	6.92	32.6	E	ug/kg	
Methoxychlor	1 [a]	8.00	8.00	6.3		ug/kg	6.6
Methoxychlor	2	10.51	10.51	5.9		ug/kg	
Endrin ketone	1 [a]	8.84	8.83	6.0		ug/kg	47.4
Endrin ketone	2	10.97	10.97	3.7		ug/kg	

GC Identification Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G8G2700-CC2596	**Injection Date:**	12/03/24
Lab File ID:	8G62764.D	**Injection Time:**	01:07
Instrument ID:	GC8G	**Method:**	SW846 8081B

Sample ID:	OP59833-MS	**Injection Date:**	12/03/24
Lab File ID:	8G62774.D	**Injection Time:**	05:07
Client ID:	Matrix Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc

(a) QC results reported from this column.
(b) Final reported result.

GC Identification Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G8G2700-CC2596	**Injection Date:**	12/03/24
Lab File ID:	8G62764.D	**Injection Time:**	01:07
Instrument ID:	GC8G	**Method:**	SW846 8081B

Sample ID:	OP59833-MSD	**Injection Date:**	12/03/24
Lab File ID:	8G62775.D	**Injection Time:**	05:31
Client ID:	Matrix Spike Duplicate		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aldrin	1 [a]	4.65	4.65	4.6		ug/kg	4.3
Aldrin	2	6.04	6.04	4.8		ug/kg	
alpha-BHC	1 [a]	3.44	3.44	5.0		ug/kg	12.8
alpha-BHC	2	4.39	4.39	4.4		ug/kg	
beta-BHC	1 [a]	3.84	3.84	3.9		ug/kg	7.4
beta-BHC	2	4.96	4.96	4.2		ug/kg	
delta-BHC	1 [a]	4.04	4.04	4.5		ug/kg	2.2
delta-BHC	2	5.40	5.40	4.6		ug/kg	
gamma-BHC (Lindane)	1 [a]	3.76	3.76	4.4		ug/kg	9.5
gamma-BHC (Lindane)	2	4.87	4.87	4.0		ug/kg	
alpha-Chlordane	1	5.78	5.77	48.0	E	ug/kg	20.7
alpha-Chlordane	2 [a]	7.47	7.47	39.0	E	ug/kg	
gamma-Chlordane	1 [a]	5.60	5.59	10.9		ug/kg	0.9
gamma-Chlordane	2	7.23	7.23	10.8		ug/kg	
Chlordane (alpha and gamma)	n/a [b]			49.8	E	ug/kg	
Dieldrin	1 [a]	6.32	6.31	4.9		ug/kg	11.5
Dieldrin	2	8.04	8.04	5.5		ug/kg	
4,4'-DDD	1	6.77	6.77	5.3		ug/kg	17.2
4,4'-DDD	2 [a]	8.72	8.72	6.3		ug/kg	
4,4'-DDE	1	5.88	5.88	32.2	E	ug/kg	1.2
4,4'-DDE	2 [a]	7.72	7.72	32.6	E	ug/kg	
4,4'-DDT	1	7.20	7.20	18.6		ug/kg	15.4
4,4'-DDT	2 [a]	9.28	9.28	21.7	E	ug/kg	
Endrin	1	6.66	6.66	6.6		ug/kg	19.2
Endrin	2 [a]	8.58	8.58	8.0		ug/kg	
Endosulfan sulfate	1 [a]	8.38	8.38	4.2		ug/kg	15.4
Endosulfan sulfate	2	10.01	10.01	4.9		ug/kg	
Endrin aldehyde	1 [a]	7.66	7.66	4.8		ug/kg	17.1
Endrin aldehyde	2	9.52	9.52	5.7		ug/kg	
Endosulfan-I	1 [a]	5.97	5.97	19.3	E	ug/kg	95.8
Endosulfan-I	2	7.58	7.58	6.8		ug/kg	
Endosulfan-II	1 [a]	7.00	7.00	4.6		ug/kg	28.0
Endosulfan-II	2	8.94	8.94	6.1		ug/kg	
Heptachlor	1	4.29	4.29	4.3		ug/kg	4.5
Heptachlor	2 [a]	5.53	5.53	4.5		ug/kg	
Heptachlor epoxide	1	5.42	5.42	50.6	E	ug/kg	24.6
Heptachlor epoxide	2 [a]	6.92	6.92	39.5	E	ug/kg	
Methoxychlor	1 [a]	8.00	8.00	6.7		ug/kg	4.6
Methoxychlor	2	10.51	10.51	6.4		ug/kg	
Endrin ketone	1 [a]	8.84	8.83	6.5		ug/kg	40.7
Endrin ketone	2	10.97	10.97	4.3		ug/kg	

GC Identification Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G8G2700-CC2596	**Injection Date:**	12/03/24
Lab File ID:	8G62764.D	**Injection Time:**	01:07
Instrument ID:	GC8G	**Method:**	SW846 8081B

Sample ID:	OP59833-MSD	**Injection Date:**	12/03/24
Lab File ID:	8G62775.D	**Injection Time:**	05:31
Client ID:	Matrix Spike Duplicate		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc

(a) QC results reported from this column.
(b) Final reported result.

GC Identification Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	GRL549-CC343	**Injection Date:**	12/01/24
Lab File ID:	RL23006.D	**Injection Time:**	05:29
Instrument ID:	GCRL	**Method:**	SW846 8082A

Sample ID:	OP59788-BS1	**Injection Date:**	12/01/24
Lab File ID:	RL23009.D	**Injection Time:**	06:21
Client ID:	Blank Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aroclor 1016	1			2.8		ug/l	6.9
Aroclor 1016 [a]	2 [b]			3.0		ug/l	
AR1016-C	1	4.64	4.64	2.7		ug/l	
AR1016-C	2	5.25	5.25	2.9		ug/l	
AR1016-D	1	4.75	4.75	2.7		ug/l	
AR1016-D	2	5.39	5.39	2.9		ug/l	
AR1016-E	1	5.11	5.11	3.0		ug/l	
AR1016-E	2	5.96	5.96	3.1		ug/l	
Aroclor 1260	1			3.5		ug/l	5.6
Aroclor 1260 [a]	2 [b]			3.7		ug/l	
AR1260-A	1	7.02	7.02	3.5		ug/l	
AR1260-A	2	8.08	8.08	3.6		ug/l	
AR1260-B	1	7.57	7.57	3.7		ug/l	
AR1260-B	2	8.57	8.57	3.8		ug/l	
AR1260-C	1	7.87	7.87	3.6		ug/l	
AR1260-C	2	8.87	8.87	3.7		ug/l	
AR1260-D	1	8.23	8.23	3.4		ug/l	
AR1260-D	2	9.10	9.10	3.7		ug/l	
AR1260-E	1	8.52	8.52	3.3		ug/l	
AR1260-E	2	9.43	9.43	3.6		ug/l	

(a) Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.
(b) QC results reported from this column.

GC Identification Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	GRL549-CC343	**Injection Date:**	12/01/24
Lab File ID:	RL23006.D	**Injection Time:**	05:29
Instrument ID:	GCRL	**Method:**	SW846 8082A

Sample ID:	OP59788-MS	**Injection Date:**	12/01/24
Lab File ID:	RL23010.D	**Injection Time:**	06:38
Client ID:	Matrix Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aroclor 1016	1			2.7		ug/l	7.1
Aroclor 1016 [a]	2 [b]			2.9		ug/l	
AR1016-C	1	4.64	4.64	2.6		ug/l	
AR1016-C	2	5.25	5.25	2.8		ug/l	
AR1016-D	1	4.75	4.75	2.7		ug/l	
AR1016-D	2	5.39	5.39	2.8		ug/l	
AR1016-E	1	5.11	5.11	2.9		ug/l	
AR1016-E	2	5.95	5.96	3.0		ug/l	
Aroclor 1260	1			3.5		ug/l	2.8
Aroclor 1260 [a]	2 [b]			3.6		ug/l	
AR1260-A	1	7.02	7.02	3.4		ug/l	
AR1260-A	2	8.08	8.08	3.5		ug/l	
AR1260-B	1	7.57	7.57	3.5		ug/l	
AR1260-B	2	8.57	8.57	3.7		ug/l	
AR1260-C	1	7.87	7.87	3.4		ug/l	
AR1260-C	2	8.87	8.87	3.6		ug/l	

(a) Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.
(b) QC results reported from this column.

GC Identification Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	GRL549-CC343	**Injection Date:**	12/01/24
Lab File ID:	RL23006.D	**Injection Time:**	05:29
Instrument ID:	GCRL	**Method:**	SW846 8082A

Sample ID:	OP59788-MSD	**Injection Date:**	12/01/24
Lab File ID:	RL23011.D	**Injection Time:**	06:55
Client ID:	Matrix Spike Duplicate		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aroclor 1016	1			2.7		ug/l	7.1
Aroclor 1016 [a]	2 [b]			2.9		ug/l	
AR1016-C	1	4.64	4.64	2.6		ug/l	
AR1016-C	2	5.25	5.25	2.8		ug/l	
AR1016-D	1	4.75	4.75	2.7		ug/l	
AR1016-D	2	5.39	5.39	2.8		ug/l	
AR1016-E	1	5.11	5.11	2.8		ug/l	
AR1016-E	2	5.96	5.96	3.0		ug/l	
Aroclor 1260	1			3.4		ug/l	5.7
Aroclor 1260 [a]	2 [b]			3.6		ug/l	
AR1260-A	1	7.02	7.02	3.3		ug/l	
AR1260-A	2	8.08	8.08	3.5		ug/l	
AR1260-B	1	7.57	7.57	3.5		ug/l	
AR1260-B	2	8.57	8.57	3.7		ug/l	
AR1260-C	1	7.88	7.87	3.4		ug/l	
AR1260-C	2	8.87	8.87	3.6		ug/l	

(a) Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.
(b) QC results reported from this column.

Surrogate Recovery Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Method: SW846 8081B **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S1 [b]	S2 [a]	S2 [b]
JE1300-51	8G62735.D	123	101	116	86
OP59787-BS1	8G62733.D	120	101	117	90
OP59787-BSD	8G62734.D	122	103	117	89
OP59787-MB1	8G62732.D	97	78	95	68

Surrogate Compounds	Recovery Limits
S1 = Tetrachloro-m-xylene	50-150%
S2 = Decachlorobiphenyl	50-150%

(a) Recovery from GC signal #1
(b) Recovery from GC signal #2

Surrogate Recovery Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Method: SW846 8081B **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S1 [b]	S2 [a]	S2 [b]
JE1300-9T	8G62776.D	95	92	100	132
JE1300-9T	4G9742524.D	193* [c]	197* [c]	108	237* [c]
OP59833-BS1	8G62770.D	96	85	86	81
OP59833-MB1	8G62769.D	97	83	103	81
OP59833-MS	8G62774.D	83	77	89	110
OP59833-MSD	8G62775.D	78	81	86	129

Surrogate Compounds	Recovery Limits
S1 = Tetrachloro-m-xylene	46-145%
S2 = Decachlorobiphenyl	29-163%

(a) Recovery from GC signal #1
(b) Recovery from GC signal #2
(c) Outside of in house control limits.

Surrogate Recovery Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Method: SW846 8082A **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S1 [b]	S2 [a]	S2 [b]
JE1300-51	RL23028.D	71	80	108	117
OP59788-BS1	RL23009.D	61	64	110	113
OP59788-MB1	RL23008.D	63	68	106	111
OP59788-MS	RL23010.D	60	63	96	109
OP59788-MSD	RL23011.D	59	62	100	105

Surrogate Compounds	Recovery Limits
S1 = Tetrachloro-m-xylene	50-150%
S2 = Decachlorobiphenyl	50-150%

(a) Recovery from GC signal #1
(b) Recovery from GC signal #2

GC Surrogate Retention Time Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G4G4540-CC4525	**Injection Date:**	12/26/24
Lab File ID:	4G9742504.D	**Injection Time:**	09:39
Instrument ID:	GC4G	**Method:**	SW846 8081B

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	5.57	6.06	13.07	14.65

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
ZZZZZZ	4G9742506.D	12/26/24	10:29	5.57	6.06	13.07	14.65
ZZZZZZ	4G9742507.D	12/26/24	10:53	5.57	6.06	13.07	14.65
ZZZZZZ	4G9742508.D	12/26/24	11:18	5.57	6.06	13.08	14.65
JE1818-1R	4G9742509.D	12/26/24	11:42	5.57	6.06	13.08	14.67
ZZZZZZ	4G9742510.D	12/26/24	12:07	5.57	6.06	13.09	14.66
ZZZZZZ	4G9742511.D	12/26/24	12:31	5.57	6.06	13.08	14.66
ZZZZZZ	4G9742512.D	12/26/24	12:56	5.57	6.06	13.08	14.66
ZZZZZZ	4G9742513.D	12/26/24	13:21	5.59	6.06	13.07	14.65
ZZZZZZ	4G9742514.D	12/26/24	13:45	5.57	6.06	13.08	14.67
ZZZZZZ	4G9742515.D	12/26/24	14:09	5.57	6.06	13.08	14.67
ZZZZZZ	4G9742516.D	12/26/24	14:33	5.57	6.06	13.08	14.67
ZZZZZZ	4G9742517.D	12/26/24	14:57	5.57	6.06	13.09	14.67
ZZZZZZ	4G9742518.D	12/26/24	15:22	5.57	6.06	13.10	14.68
ZZZZZZ	4G9742519.D	12/26/24	15:46	5.57	6.06	13.09	14.68
ZZZZZZ	4G9742522.D	12/26/24	16:58	5.57	6.06	13.07	14.65
JE1300-9T	4G9742524.D	12/26/24	17:46	5.57	6.06	13.07	14.65

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G8G2697-CC2596	**Injection Date:**	12/01/24
Lab File ID:	8G62730.D	**Injection Time:**	06:05
Instrument ID:	GC8G	**Method:**	SW846 8081B

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	2.96	3.66	10.63	13.01

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
OP59787-MB1	8G62732.D	12/01/24	06:52	2.96	3.66	10.63	13.01
OP59787-BS1	8G62733.D	12/01/24	07:16	2.96	3.66	10.63	13.01
OP59787-BSD	8G62734.D	12/01/24	07:40	2.96	3.66	10.63	13.01
JE1300-51	8G62735.D	12/01/24	08:04	2.96	3.66	10.63	13.01
ZZZZZZ	8G62736.D	12/01/24	08:28	2.96	3.66	10.63	13.00
ZZZZZZ	8G62737.D	12/01/24	08:52	0.00	0.00	0.00	0.00
ZZZZZZ	8G62738.D	12/01/24	09:16	0.00	0.00	0.00	0.00

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G8G2700-CC2596	**Injection Date:**	12/03/24
Lab File ID:	8G62764.D	**Injection Time:**	01:07
Instrument ID:	GC8G	**Method:**	SW846 8081B

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	2.95	3.65	10.62	13.00

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
OP59820-MB1	8G62766.D	12/03/24	01:55	2.95	3.65	10.62	13.00
OP59820-BS1	8G62767.D	12/03/24	02:19	2.95	3.65	10.62	13.00
OP59820-BSD	8G62768.D	12/03/24	02:43	2.95	3.65	10.62	13.00
OP59833-MB1	8G62769.D	12/03/24	03:07	2.95	3.65	10.62	13.00
OP59833-BS1	8G62770.D	12/03/24	03:31	2.96	3.65	10.61	12.99
ZZZZZZ	8G62771.D	12/03/24	03:55	2.95	3.65	10.62	12.99
OP59833-MS	8G62774.D	12/03/24	05:07	2.96	3.65	10.61	13.00
OP59833-MSD	8G62775.D	12/03/24	05:31	2.95	3.65	10.61	13.00
JE1300-9Q	8G62776.D	12/03/24	05:55				
JE1300-9T	8G62776.D	12/03/24	05:55	2.95	3.65	10.62	13.00
ZZZZZZ	8G62777.D	12/03/24	06:19	2.95	3.65	10.61	13.00
ZZZZZZ	8G62778.D	12/03/24	06:43	2.96	3.65	10.62	13.00
ZZZZZZ	8G62779.D	12/03/24	07:06	2.96	3.65	10.61	13.00
ZZZZZZ	8G62780.D	12/03/24	07:30	2.96	3.66	10.62	13.00
ZZZZZZ	8G62781.D	12/03/24	07:53	2.96	3.66	10.62	13.00
ZZZZZZ	8G62782.D	12/03/24	08:17	2.96	3.66	10.61	12.99

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	GRL549-CC343	**Injection Date:**	12/01/24
Lab File ID:	RL23006.D	**Injection Time:**	05:29
Instrument ID:	GCRL	**Method:**	SW846 8082A

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	3.68	4.03	9.53	10.34

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
OP59788-MB1	RL23008.D	12/01/24	06:03	3.68	4.03	9.52	10.34
OP59788-BS1	RL23009.D	12/01/24	06:21	3.68	4.03	9.53	10.34
OP59788-MS	RL23010.D	12/01/24	06:38	3.68	4.03	9.53	10.34
OP59788-MSD	RL23011.D	12/01/24	06:55	3.68	4.03	9.53	10.34
ZZZZZZ	RL23012.D	12/01/24	07:12	3.68	4.03	9.53	10.34
ZZZZZZ	RL23013.D	12/01/24	07:30	3.68	4.03	9.53	10.34
ZZZZZZ	RL23015.D	12/01/24	08:04	3.68	4.03	9.53	10.34
ZZZZZZ	RL23016.D	12/01/24	08:21	3.68	4.03	9.53	10.34
JE1428-8	RL23017.D	12/01/24	08:39	3.68	4.03	9.53	10.34
ZZZZZZ	RL23018.D	12/01/24	08:56	3.68	4.03	9.52	10.34
ZZZZZZ	RL23019.D	12/01/24	09:13	3.68	4.03	9.52	10.34
ZZZZZZ	RL23020.D	12/01/24	09:30	3.68	4.03	9.52	10.34
ZZZZZZ	RL23021.D	12/01/24	09:48	3.68	4.03	9.52	10.34
ZZZZZZ	RL23022.D	12/01/24	10:05	3.68	4.03	9.52	10.34
ZZZZZZ	RL23023.D	12/01/24	10:22	3.68	4.03	9.52	10.34
ZZZZZZ	RL23024.D	12/01/24	10:40	3.68	4.03	9.52	10.34
ZZZZZZ	RL23025.D	12/01/24	10:57	3.68	4.03	9.52	10.34
ZZZZZZ	RL23026.D	12/01/24	11:14	3.68	4.03	9.52	10.34
ZZZZZZ	RL23027.D	12/01/24	11:32	3.68	4.03	9.52	10.34
JE1300-51	RL23028.D	12/01/24	11:49	3.68	4.03	9.52	10.34

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

Initial Calibration Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G4G4525-ICC4525
Lab FileID: 4G9742178.D

Response Factor Report GC4G

Method : C:\msdchem\1\methods\4PSTLVI4525.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Mon Dec 16 01:26:15 2024
Response via : Initial Calibration

Calibration Files
2 =4g9742175.d 5 =4g9742176.d 10 =4g9742177.d 25 =4g9742178.d
50 =4g9742179.d 100 =4g9742181.d 1 =4g9742174.d 75 =4g9742180.d

Compound	2	5	10	25	50	100	1	75	Avg	%RSD
1) I 1-bromo-2-nitrobenzen	ISTD									
2) Tetrachloro-	0.598	0.634	0.550	0.631	0.639	0.680		0.640	0.624	6.48
3) hexachlorobe	1.105	1.099	0.958	1.133	1.120	1.212	1.237	1.156	1.127	7.51
4) alpha-BHC	1.228	1.446	1.376	1.773	1.835	2.029	1.288	1.915	1.611	19.30
5) gamma-BHC	1.147	1.295	1.232	1.528	1.610	1.747	1.184	1.650	1.424	16.56
6) Heptachlor	1.305	1.439	1.336	1.655	1.708	1.793	1.430	1.718	1.548	12.35
7) beta-BHC	0.536	0.547	0.480	0.520	0.543	0.570	0.608	0.551	0.544	6.83
8) delta-BHC	2.033	1.669	1.368	1.474	1.600	1.742	3.397	1.662	1.868	34.70
----- Quadratic regression ----- Coefficient = 0.9998										
Response Ratio = 0.02055 + 1.38263 *A + 0.17590 *A^2										
9) Aldrin	1.108	1.256	1.187	1.478	1.566	1.666	1.146	1.590	1.375	16.29
10) alachlor		0.143	0.135	0.140	0.137			0.131	0.137	3.46
11) Heptachlor E	1.065	1.173	1.066	1.201	1.364	1.421	1.069	1.381	1.217	12.41
12) gamma-Chlord	1.084	1.197	1.111	1.383	1.439	1.548	1.121	1.473	1.294	14.38
13) alpha-Chlord	1.210	1.262	1.138	1.335	1.417	1.500	1.376	1.435	1.334	9.18
14) Endosulfan I	1.147	1.208	1.094	1.265	1.331	1.370	1.285	1.332	1.254	7.75
15) 4,4'-DDE	0.876	1.004	0.949	1.264	1.269	1.359	0.892	1.287	1.113	18.04
16) Dieldrin	1.243	1.276	1.153	1.394	1.452	1.515	1.319	1.460	1.352	9.21
17) Endrin	1.011	1.135	1.067	1.322	1.366	1.430	1.069	1.374	1.222	13.71
18) 4,4'-DDD	0.688	0.768	0.737	0.962	0.975	1.058	0.690	1.009	0.861	17.96
19) Endosulfan I	0.989	1.063	0.968	1.159	1.175	1.241	1.037	1.196	1.104	9.28
20) 4,4'-DDT	0.660	0.778	0.757	1.051	1.052	1.158	0.631	1.086	0.897	23.56
----- Quadratic regression ----- Coefficient = 0.9984										
Response Ratio = -0.00963 + 0.93305 *A + 0.11476 *A^2										
21) Endrin Aldeh	0.932	0.854	0.736	0.871	0.839	0.864	0.919	0.844	0.858	6.94
22) Endosulfan S	0.858	0.923	0.828	0.955	0.995	1.060	0.933	1.019	0.946	8.31
23) Methoxychlor	0.383	0.434	0.413	0.511	0.493	0.513	0.454	0.493	0.462	10.47
24) Mirex	0.789	0.813	0.722	0.795	0.821	0.849	0.822	0.821	0.804	4.69
25) Endrin Keton	1.032	1.136	1.036	1.133	1.239	1.288	1.083	1.246	1.149	8.57
26) Decachlorobi			0.757	0.851	0.830	0.915		0.874	0.845	6.94
27) I 1-bromo-2-nitrobenzen	ISTD									
28) Toxaphene{A}				0.006					0.006	0.00
29) Toxaphene{B}				0.010					0.010	0.00
30) Toxaphene{C}				0.014					0.014	0.00
31) Toxaphene{D}				0.019					0.019	0.00
32) Toxaphene{E}				0.027					0.027	0.00
33) I 1-bromo-2-nitrobenzen	ISTD									
34) Chlordane {A				0.090					0.090	0.00
35) Chlordane {B				0.043					0.043	0.00
36) Chlordane {C				0.183					0.183	0.00
37) Chlordane {D				0.281					0.281	0.00
38) Chlordane {E				0.040					0.040	0.00

Initial Calibration Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G4G4525-ICC4525
Lab FileID: 4G9742178.D

Signal #2

1)	I 1-bromo-2-nitrobenzen	----------ISTD----------									
2)	Tetrachloro-	0.944	0.959	0.885	0.961	0.989	0.995		0.967	0.957	3.81
3)	hexachlorobe	1.176	1.200	1.071	1.145	1.176	1.184	1.397	1.152	1.188	7.86
4)	alpha-BHC	1.404	1.538	1.479	1.724	1.797	1.858	1.406	1.786	1.624	11.53
5)	gamma-BHC	1.301	1.398	1.310	1.514	1.566	1.620	1.383	1.563	1.457	8.51
6)	Heptachlor	1.428	1.397	1.266	1.482	1.527	1.574	1.692	1.516	1.485	8.52
7)	beta-BHC	0.651	0.656	0.582	0.619	0.636	0.659	0.740	0.638	0.648	6.92
8)	delta-BHC	1.341	1.391	1.277	1.470	1.536	1.640	1.883	1.572	1.514	12.71
9)	Aldrin	1.378	1.325	1.225	1.406	1.446	1.479	1.592	1.435	1.411	7.68
10)	alachlor		0.196	0.174	0.181	0.171			0.163	0.177	7.04
11)	Heptachlor E	1.151	1.200	1.107	1.272	1.301	1.335	1.211	1.294	1.234	6.45
12)	gamma-Chlord	1.070	1.136	1.059	1.225	1.269	1.317	1.177	1.267	1.190	8.03
13)	alpha-Chlord	1.125	1.164	1.051	1.223	1.240	1.281	1.425	1.235	1.218	9.15
14)	Endosulfan I	3.015	1.832	1.332	1.219	1.216	1.210	5.045	1.187	2.007	68.64
	----- Quadratic regression ----- Coefficient = 0.9998										
	Response Ratio = 0.07146 + 1.06983 *A + 0.05190 *A^2										
15)	4,4'-DDE	1.090	1.073	0.973	1.183	1.190	1.240	1.250	1.192	1.149	8.29
16)	Dieldrin	1.089	1.117	1.030	1.207	1.249	1.296	1.133	1.249	1.171	7.92
17)	Endrin	0.971	1.021	0.930	1.098	1.096	1.166	1.018	1.128	1.054	7.73
18)	4,4'-DDD	0.807	0.813	0.740	0.891	0.882	0.944	0.878	0.904	0.857	7.65
19)	Endosulfan I	0.942	0.951	0.864	0.985	1.006	1.061	1.028	1.020	0.982	6.29
20)	4,4'-DDT	0.401	0.531	0.552	0.763	0.775	0.855	0.317	0.800	0.624	32.27
	----- Quadratic regression ----- Coefficient = 0.9985										
	Response Ratio = -0.01021 + 0.68619 *A + 0.08704 *A^2										
21)	Endrin Aldeh	0.846	0.804	0.684	0.793	0.732	0.760	1.247	0.738	0.825	21.48
	----- Quadratic regression ----- Coefficient = 0.9994										
	Response Ratio = 0.00922 + 0.70662 *A + 0.02252 *A^2										
22)	Endosulfan S	0.847	0.850	0.744	0.822	0.834	0.888	0.911	0.852	0.843	5.89
23)	Methoxychlor	0.304	0.351	0.314	0.404	0.372	0.416	0.283	0.394	0.355	14.06
24)	Mirex	0.669	0.705	0.620	0.683	0.675	0.705	0.705	0.680	0.680	4.17
25)	Endrin Keton	0.858	0.938	0.866	1.000	1.009	1.078	0.852	1.033	0.954	9.24
26)	Decachlorobi			0.571	0.641	0.637	0.648		0.642	0.628	5.08
27)	I 1-bromo-2-nitrobenzen	----------ISTD----------									
28)	Toxaphene{A}					0.005			0.005		0.00
29)	Toxaphene{B}					0.028			0.028		0.00
30)	Toxaphene{C}					0.010			0.010		0.00
31)	Toxaphene{D}					0.018			0.018		0.00
32)	Toxaphene{E}					0.014			0.014		0.00
33)	I 1-bromo-2-nitrobenzen	----------ISTD----------									
34)	Chlordane {A					0.085			0.085		0.00
35)	Chlordane {B					0.046			0.046		0.00
36)	Chlordane {C					0.156			0.156		0.00
37)	Chlordane {D					0.248			0.248		0.00
38)	Chlordane {E					0.034			0.034		0.00

(#) = Out of Range ### Number of calibration levels exceeded format ###

4PSTLVI4525.M Mon Dec 16 02:10:17 2024

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G4G4525-ICV4525
Lab FileID: 4G9742184.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\g4...\4g9742184.d\ECD1A.ch Vial: 19
Signal #2 : C:\msdchem\1\data\g4g4525\4g9742184.d\ECD2B.ch
Acq On : 11 Dec 2024 8:09 am Operator: rebeccak
Sample : icv4525-2.5 (pest mix) Inst : GC4G
Misc : op59859,g4g4525,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\methods\4PSTLVI4525.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Mon Dec 16 01:26:15 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	67	0.00	4.40- 5.40
2	SAB	Tetrachloro-m-xylene	0.624	0.690	-10.6	74	0.00	5.55- 5.61
3		hexachlorobenzene	1.127	1.118	0.8	66	0.00	5.91- 5.97
4	A	alpha-BHC	1.611	1.723	-7.0	65	0.00	6.07- 6.13
5	MA	gamma-BHC	1.424	1.522	-6.9	67	0.00	6.39- 6.45
6	MA	Heptachlor	1.548	1.579	-2.0	64	0.00	6.91- 6.97
7	B	beta-BHC	0.544	0.526	3.3	68	0.00	6.48- 6.54
		----------	True	Calc.	% Drift	----------		
8	B	delta-BHC	2.500	2.367	5.3	65	0.00	6.67- 6.73
		----------	AvgRF	CCRF	% Dev	----------		
9	MB	Aldrin	1.375	1.493	-8.6	68	0.00	7.26- 7.32
10		alachlor	0.137	0.143	-4.4	69	0.00	7.42- 7.48
11	B	Heptachlor Epoxide	1.217	1.327	-9.0	74	0.00	8.00- 8.06
12	B	gamma-Chlordane	1.294	1.361	-5.2	66	0.00	8.17- 8.23
13	B	alpha-Chlordane	1.334	1.289	3.4	65	0.00	8.34- 8.40
14	A	Endosulfan I	1.254	1.272	-1.4	68	0.00	8.53- 8.59
15	B	4,4'-DDE	1.113	1.128	-1.3	60	0.00	8.46- 8.52
16	MA	Dieldrin	1.352	1.383	-2.3	67	0.00	8.86- 8.92
17	MA	Endrin	1.222	1.271	-4.0	65	0.00	9.19- 9.25
18	A	4,4'-DDD	0.861	0.885	-2.8	62	0.00	9.31- 9.37
19	B	Endosulfan II	1.104	1.129	-2.3	66	0.00	9.52- 9.58
		----------	True	Calc.	% Drift	----------		
20	MA	4,4'-DDT	2.500	2.428	2.9	60	0.00	9.74- 9.80
		----------	AvgRF	CCRF	% Dev	----------		
21	B	Endrin Aldehyde	0.858	0.898	-4.7	69	0.00	10.16-10.22
22	B	Endosulfan Sulfate	0.946	0.935	1.2	66	0.00	10.85-10.91
23	A	Methoxychlor	0.462	0.466	-0.9	61	0.00	10.53-10.59
24		Mirex	0.804	0.821	-2.1	69	0.00	10.69-10.75
25	B	Endrin Ketone	1.149	1.197	-4.2	71	0.00	11.30-11.36
26	SA	Decachlorobiphenyl	0.845	0.917	-8.5	73	0.00	13.07-13.13
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	67	0.00	4.40- 5.40
28	L8	Toxaphene{A}	----------NA----------					
29	L8	Toxaphene{B}	----------NA----------					
30	L8	Toxaphene{C}	----------NA----------					
31	L8	Toxaphene{D}	----------NA----------					
32	L8	Toxaphene{E}	----------NA----------					

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G4G4525-ICV4525
Lab FileID: 4G9742184.D

33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	67	0.00	4.40- 5.40
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				

***** Signal #2 *****

1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	70	0.00	4.72- 5.72
2	SAB	Tetrachloro-m-xylene	0.957	1.013	-5.9	74	0.00	6.10- 6.16
3		hexachlorobenzene	1.188	1.134	4.5	69	0.00	6.65- 6.71
4	A	alpha-BHC	1.624	1.631	-0.4	66	0.00	6.81- 6.87
5	MA	gamma-BHC	1.457	1.464	-0.5	68	0.00	7.26- 7.32
6	MA	Heptachlor	1.485	1.412	4.9	67	0.00	7.86- 7.92
7	B	beta-BHC	0.648	0.604	6.8	68	0.00	7.36- 7.42
8	B	delta-BHC	1.514	1.349	10.9	64	0.00	7.77- 7.83
9	MB	Aldrin	1.411	1.363	3.4	68	0.00	8.33- 8.39
10		alachlor	0.177	0.171	3.4	66	0.00	8.13- 8.19
11	B	Heptachlor Epoxide	1.234	1.216	1.5	67	0.00	9.18- 9.24
12	B	gamma-Chlordane	1.190	1.177	1.1	67	0.00	9.47- 9.53
13	B	alpha-Chlordane	1.218	1.095	10.1	63	0.00	9.70- 9.76
		---------- True	Calc.	% Drift	----------			
14	A	Endosulfan I	2.500	2.257	9.7	65	0.00	9.80- 9.86
		---------- AvgRF	CCRF	% Dev	----------			
15	B	4,4'-DDE	1.149	1.053	8.4	62	0.00	9.96-10.02
16	MA	Dieldrin	1.171	1.145	2.2	66	0.00	10.24-10.30
17	MA	Endrin	1.054	1.003	4.8	64	0.00	10.76-10.82
18	A	4,4'-DDD	0.857	0.813	5.1	64	0.00	10.93-10.99
19	B	Endosulfan II	0.982	0.928	5.5	66	0.00	11.11-11.17
		---------- True	Calc.	% Drift	----------			
20	MA	4,4'-DDT	2.500	2.324	7.0	60	0.00	11.47-11.53
21	B	Endrin Aldehyde	2.500	2.553	-2.1	66	0.00	11.69-11.75
		---------- AvgRF	CCRF	% Dev	----------			
22	B	Endosulfan Sulfate	0.843	0.780	7.5	66	0.00	12.17-12.23
23	A	Methoxychlor	0.355	0.347	2.3	60	0.00	12.72-12.78
24		Mirex	0.680	0.665	2.2	68	0.00	13.05-13.11
25	B	Endrin Ketone	0.954	0.935	2.0	65	0.00	13.10-13.16
26	SA	Decachlorobiphenyl	0.628	0.643	-2.4	70	0.00	14.70-14.76
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	70	0.00	4.72- 5.72
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	70	0.00	4.72- 5.72
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G4G4525-ICV4525
Lab FileID: 4G9742184.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
4g9742178.d 4PSTLVI4525.M Mon Dec 16 01:30:48 2024

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G4G4525-ICV4525
Lab FileID: 4G9742185.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\msdchem\1\data\g4...\4g9742185.d\ECD1A.ch Vial: 20
Signal #2 : C:\msdchem\1\data\g4g4525\4g9742185.d\ECD2B.ch
Acq On    : 11 Dec 2024   8:33 am                    Operator: rebeccak
Sample    : icv4525-50 (chlordane)                   Inst    : GC4G
Misc      : op59859,g4g4525,5.0,,,10,1               Multiplr: 1.00
IntFile Signal #1: autoint1.e   IntFile Signal #2: autoint2.e

Method       : C:\msdchem\1\methods\4PSTLVI4525.M (ChemStation Integrator)
Title        : PEST/PCB
Last Update  : Mon Dec 16 01:26:15 2024
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 150%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	101	0.00	4.40- 5.40
2	SAB	Tetrachloro-m-xylene	0.624	0.646	-3.5	102	0.00	5.55- 5.61
3		hexachlorobenzene		----------NA----------				
4	A	alpha-BHC		----------NA----------				
5	MA	gamma-BHC		----------NA----------				
6	MA	Heptachlor		----------NA----------				
7	B	beta-BHC		----------NA----------				
		---------- True	Calc.	% Drift ----------				
8	B	delta-BHC		----------NA----------				
		---------- AvgRF	CCRF	% Dev ----------				
9	MB	Aldrin		----------NA----------				
10		alachlor		----------NA----------				
11	B	Heptachlor Epoxide		----------NA----------				
12	B	gamma-Chlordane		----------NA----------				
13	B	alpha-Chlordane		----------NA----------				
14	A	Endosulfan I		----------NA----------				
15	B	4,4'-DDE		----------NA----------				
16	MA	Dieldrin		----------NA----------				
17	MA	Endrin		----------NA----------				
18	A	4,4'-DDD		----------NA----------				
19	B	Endosulfan II		----------NA----------				
		---------- True	Calc.	% Drift ----------				
20	MA	4,4'-DDT		----------NA----------				
		---------- AvgRF	CCRF	% Dev ----------				
21	B	Endrin Aldehyde		----------NA----------				
22	B	Endosulfan Sulfate		----------NA----------				
23	A	Methoxychlor		----------NA----------				
24		Mirex		----------NA----------				
25	B	Endrin Ketone		----------NA----------				
26	SA	Decachlorobiphenyl	0.845	0.867	-2.6	106	0.00	13.07-13.13
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	101	0.00	4.40- 5.40
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G4G4525-ICV4525
Lab FileID: 4G9742185.D

33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	99	0.00	4.40- 5.40
34		Chlordane {A}	0.090	0.087	3.3	96	0.00	6.84- 7.04
35		Chlordane {B}	0.043	0.042	2.3	97	0.00	7.34- 7.54
36		Chlordane {C}	0.183	0.183	0.0	99	0.00	8.10- 8.30
37		Chlordane {D}	0.281	0.278	1.1	98	0.00	8.27- 8.47
38		Chlordane {E}	0.040	0.039	2.5	96	0.00	9.35- 9.55

***** Signal #2 *****

1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	104	0.00	4.72- 5.72
2	SAB	Tetrachloro-m-xylene	0.957	0.940	1.8	99	0.00	6.10- 6.16
3		hexachlorobenzene		----------NA----------				
4	A	alpha-BHC		----------NA----------				
5	MA	gamma-BHC		----------NA----------				
6	MA	Heptachlor		----------NA----------				
7	B	beta-BHC		----------NA----------				
8	B	delta-BHC		----------NA----------				
9	MB	Aldrin		----------NA----------				
10		alachlor		----------NA----------				
11	B	Heptachlor Epoxide		----------NA----------				
12	B	gamma-Chlordane		----------NA----------				
13	B	alpha-Chlordane		----------NA----------				
		---------- True	Calc.	% Drift ----------				
14	A	Endosulfan I		----------NA----------				
		---------- AvgRF	CCRF	% Dev ----------				
15	B	4,4'-DDE		----------NA----------				
16	MA	Dieldrin		----------NA----------				
17	MA	Endrin		----------NA----------				
18	A	4,4'-DDD		----------NA----------				
19	B	Endosulfan II		----------NA----------				
		---------- True	Calc.	% Drift ----------				
20	MA	4,4'-DDT		----------NA----------				
21	B	Endrin Aldehyde		----------NA----------				
		---------- AvgRF	CCRF	% Dev ----------				
22	B	Endosulfan Sulfate		----------NA----------				
23	A	Methoxychlor		----------NA----------				
24		Mirex		----------NA----------				
25	B	Endrin Ketone		----------NA----------				
26	SA	Decachlorobiphenyl	0.628	0.624	0.6	102	0.00	14.70-14.76
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	103	0.00	4.72- 5.72
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	100	0.00	4.72- 5.72
34		Chlordane {A}	0.085	0.080	5.9	94	0.00	7.79- 7.99
35		Chlordane {B}	0.046	0.042	8.7	92	0.00	8.46- 8.66
36		Chlordane {C}	0.156	0.149	4.5	96	0.00	9.40- 9.60
37		Chlordane {D}	0.248	0.236	4.8	95	0.00	9.63- 9.83
38		Chlordane {E}	0.034	0.033	2.9	100	0.00	11.12-11.32

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G4G4525-ICV4525
Lab FileID: 4G9742185.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
4g9742179.d 4PSTLVI4525.M Mon Dec 16 02:02:38 2024

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G4G4525-ICV4525
Lab FileID: 4G9742186.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\g4...\4g9742186.d\ECD1A.ch Vial: 21
Signal #2 : C:\msdchem\1\data\g4g4525\4g9742186.d\ECD2B.ch
Acq On : 11 Dec 2024 8:57 am Operator: rebeccak
Sample : icv4525-50 (toxaphene) Inst : GC4G
Misc : op59859,g4g4525,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\methods\4PSTLVI4525.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Mon Dec 16 01:26:15 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	104	0.00	4.40- 5.40
2	SAB	Tetrachloro-m-xylene	0.624	0.644	-3.2	104	0.00	5.55- 5.61
3		hexachlorobenzene		----------NA----------				
4	A	alpha-BHC		----------NA----------				
5	MA	gamma-BHC		----------NA----------				
6	MA	Heptachlor		----------NA----------				
7	B	beta-BHC		----------NA----------				
		---------- True Calc. % Drift ----------						
8	B	delta-BHC		----------NA----------				
		---------- AvgRF CCRF % Dev ----------						
9	MB	Aldrin		----------NA----------				
10		alachlor		----------NA----------				
11	B	Heptachlor Epoxide		----------NA----------				
12	B	gamma-Chlordane		----------NA----------				
13	B	alpha-Chlordane		----------NA----------				
14	A	Endosulfan I		----------NA----------				
15	B	4,4'-DDE		----------NA----------				
16	MA	Dieldrin		----------NA----------				
17	MA	Endrin		----------NA----------				
18	A	4,4'-DDD		----------NA----------				
19	B	Endosulfan II		----------NA----------				
		---------- True Calc. % Drift ----------						
20	MA	4,4'-DDT		----------NA----------				
		---------- AvgRF CCRF % Dev ----------						
21	B	Endrin Aldehyde		----------NA----------				
22	B	Endosulfan Sulfate		----------NA----------				
23	A	Methoxychlor		----------NA----------				
24		Mirex		----------NA----------				
25	B	Endrin Ketone		----------NA----------				
26	SA	Decachlorobiphenyl	0.845	0.867	-2.6	108	0.00	13.06-13.12
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	104	0.00	4.40- 5.40
28	L8	Toxaphene{A}	0.006	0.005	16.7	97	0.00	8.23- 8.43
29	L8	Toxaphene{B}	0.010	0.009	10.0	96	0.00	8.92- 9.12
30	L8	Toxaphene{C}	0.014	0.014	0.0	104	0.00	9.96-10.16
31	L8	Toxaphene{D}	0.019	0.017	10.5	94	0.00	10.46-10.66
32	L8	Toxaphene{E}	0.027	0.022	18.5	84	0.00	10.62-10.82

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G4G4525-ICV4525
Lab FileID: 4G9742186.D

33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	101	0.00	4.40- 5.40
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				

***** Signal #2 *****

1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	105	0.00	4.72- 5.72
2	SAB	Tetrachloro-m-xylene	0.957	0.983	-2.7	104	0.00	6.10- 6.16
3		hexachlorobenzene		----------NA----------				
4	A	alpha-BHC		----------NA----------				
5	MA	gamma-BHC		----------NA----------				
6	MA	Heptachlor		----------NA----------				
7	B	beta-BHC		----------NA----------				
8	B	delta-BHC		----------NA----------				
9	MB	Aldrin		----------NA----------				
10		alachlor		----------NA----------				
11	B	Heptachlor Epoxide		----------NA----------				
12	B	gamma-Chlordane		----------NA----------				
13	B	alpha-Chlordane		----------NA----------				
		----------	True	Calc.	% Drift		----------	
14	A	Endosulfan I		----------NA----------				
		----------	AvgRF	CCRF	% Dev		----------	
15	B	4,4'-DDE		----------NA----------				
16	MA	Dieldrin		----------NA----------				
17	MA	Endrin		----------NA----------				
18	A	4,4'-DDD		----------NA----------				
19	B	Endosulfan II		----------NA----------				
		----------	True	Calc.	% Drift		----------	
20	MA	4,4'-DDT		----------NA----------				
21	B	Endrin Aldehyde		----------NA----------				
		----------	AvgRF	CCRF	% Dev		----------	
22	B	Endosulfan Sulfate		----------NA----------				
23	A	Methoxychlor		----------NA----------				
24		Mirex		----------NA----------				
25	B	Endrin Ketone		----------NA----------				
26	SA	Decachlorobiphenyl	0.628	0.630	-0.3	104	0.00	14.70-14.76
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	104	0.00	4.72- 5.72
28	L8	Toxaphene{A}	0.005	0.006	-20.0	126	0.00	10.31-10.51
29	L8	Toxaphene{B}	0.028	0.033	-17.9	125	0.00	11.18-11.38
30	L8	Toxaphene{C}	0.010	0.010	0.0	103	0.00	11.50-11.70
31	L8	Toxaphene{D}	0.018	0.018	0.0	101	0.00	11.62-11.82
32	L8	Toxaphene{E}	0.014	0.016	-14.3	118	-0.10	12.54-12.74
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	101	0.00	4.72- 5.72
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G4G4525-ICV4525
Lab FileID: 4G9742186.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
4g9742179.d 4PSTLVI4525.M Mon Dec 16 02:02:41 2024

Continuing Calibration Summary

Job Number: JE1300 **Sample:** G4G4540-CC4525
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 4G9742504.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Signal #1 : X:\Dayton SVOA GC\8....\4g9742504.d\ECD1A.ch Vial: 4
Signal #2 : X:\Dayton SVOA GC\8. GC ...4540\4g9742504.d\ECD2B.ch
Acq On : 26 Dec 2024 9:39 am Operator: kyrac
Sample : cc4525-5 Inst : GC4G
Misc : op60461,g4g4540,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : X:\Dayton SVOA G...40\4PSTLVI4525.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Tue Dec 24 00:39:31 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	76	-0.02	4.39- 5.39
2	SAB	Tetrachloro-m-xylene	0.624	0.646	-3.5	77	-0.02	5.54- 5.60
3		hexachlorobenzene	1.127	1.167	-3.5	79	-0.02	5.90- 5.96
4	A	alpha-BHC	1.611	1.801	-11.8	75	-0.02	6.05- 6.11
5	MA	gamma-BHC	1.424	1.557	-9.3	74	-0.02	6.37- 6.43
6	MA	Heptachlor	1.548	1.621	-4.7	72	-0.02	6.89- 6.95
7	B	beta-BHC	0.544	0.544	0.0	76	-0.01	6.46- 6.52
		---------- True Calc. % Drift ----------						
8	B	delta-BHC	5.000	5.067	-1.3	76	-0.01	6.65- 6.71
		---------- AvgRF CCRF % Dev ----------						
9	MB	Aldrin	1.375	1.505	-9.5	73	-0.02	7.24- 7.30
10		alachlor	0.137	0.134	2.2	74	-0.02	7.39- 7.45
11	B	Heptachlor Epoxide	1.217	1.343	-10.4	75	-0.02	7.98- 8.04
12	B	gamma-Chlordane	1.294	1.411	-9.0	75	-0.02	8.15- 8.21
13	B	alpha-Chlordane	1.334	1.372	-2.8	74	-0.02	8.32- 8.38
14	A	Endosulfan I	1.254	1.292	-3.0	74	-0.02	8.50- 8.56
15	B	4,4'-DDE	1.113	1.320	-18.6	79	-0.02	8.44- 8.50
16	MA	Dieldrin	1.352	1.427	-5.5	75	-0.02	8.84- 8.90
17	MA	Endrin	1.222	1.327	-8.6	74	-0.02	9.16- 9.22
18	A	4,4'-DDD	0.861	1.032	-19.9	81	-0.02	9.29- 9.35
19	B	Endosulfan II	1.104	1.166	-5.6	76	-0.02	9.49- 9.55
		---------- True Calc. % Drift ----------						
20	MA	4,4'-DDT	5.000	4.902	2.0	73	-0.02	9.71- 9.77
		---------- AvgRF CCRF % Dev ----------						
21	B	Endrin Aldehyde	0.858	0.828	3.5	75	-0.02	10.13-10.19
22	B	Endosulfan Sulfate	0.946	1.004	-6.1	77	-0.02	10.83-10.89
23	A	Methoxychlor	0.462	0.524	-13.4	81	-0.02	10.50-10.56
24		Mirex	0.804	0.803	0.1	74	-0.02	10.66-10.72
25	B	Endrin Ketone	1.149	1.237	-7.7	76	-0.03	11.27-11.33
26	SA	Decachlorobiphenyl	0.845	0.906	-7.2	83	-0.02	13.04-13.10
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	76	-0.02	4.39- 5.39
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				

Continuing Calibration Summary

Job Number: JE1300 **Sample:** G4G4540-CC4525
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 4G9742504.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	75	-0.02	4.39- 5.39
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				
*****		Signal #2 *****						
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	92	-0.02	4.65- 5.65
2	SAB	Tetrachloro-m-xylene	0.957	0.945	1.3	88	-0.02	6.03- 6.09
3		hexachlorobenzene	1.188	1.118	5.9	87	-0.02	6.57- 6.63
4	A	alpha-BHC	1.624	1.694	-4.3	87	-0.02	6.74- 6.80
5	MA	gamma-BHC	1.457	1.477	-1.4	87	-0.02	7.19- 7.25
6	MA	Heptachlor	1.485	1.314	11.5	79	-0.02	7.79- 7.85
7	B	beta-BHC	0.648	0.609	6.0	88	-0.02	7.28- 7.34
8	B	delta-BHC	1.514	1.469	3.0	88	-0.02	7.69- 7.75
9	MB	Aldrin	1.411	1.346	4.6	86	-0.02	8.26- 8.32
10		alachlor	0.177	0.152	14.1	82	-0.02	8.06- 8.12
11	B	Heptachlor Epoxide	1.234	1.205	2.4	85	-0.03	9.11- 9.17
12	B	gamma-Chlordane	1.190	1.152	3.2	83	-0.02	9.40- 9.46
13	B	alpha-Chlordane	1.218	1.137	6.7	84	-0.02	9.63- 9.69
		---------- True Calc. % Drift ----------						
14	A	Endosulfan I	5.000	4.689	6.2	85	-0.03	9.73- 9.79
		---------- AvgRF CCRF % Dev ----------						
15	B	4,4'-DDE	1.149	1.132	1.5	87	-0.02	9.89- 9.95
16	MA	Dieldrin	1.171	1.166	0.4	86	-0.02	10.17-10.23
17	MA	Endrin	1.054	1.043	1.0	87	-0.03	10.68-10.74
18	A	4,4'-DDD	0.857	0.899	-4.9	94	-0.03	10.85-10.91
19	B	Endosulfan II	0.982	0.964	1.8	88	-0.03	11.03-11.09
		---------- True Calc. % Drift ----------						
20	MA	4,4'-DDT	5.000	4.179	16.4	74	-0.03	11.39-11.45
21	B	Endrin Aldehyde	5.000	4.789	4.2	89	-0.03	11.61-11.67
		---------- AvgRF CCRF % Dev ----------						
22	B	Endosulfan Sulfate	0.843	0.795	5.7	88	-0.03	12.09-12.15
23	A	Methoxychlor	0.355	0.348	2.0	86	-0.02	12.63-12.69
24		Mirex	0.680	0.663	2.5	90	-0.03	12.98-13.04
25	B	Endrin Ketone	0.954	0.991	-3.9	90	-0.03	13.03-13.09
26	SA	Decachlorobiphenyl	0.628	0.658	-4.8	95	-0.02	14.62-14.68
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	91	-0.02	4.65- 5.65
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	89	-0.02	4.65- 5.65
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				

Continuing Calibration Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G4G4540-CC4525
Lab FileID: 4G9742504.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
4g9742396.d 4PSTLVI4525.M Thu Dec 26 17:21:13 2024

Continuing Calibration Summary

Job Number: JE1300 **Sample:** G4G4541-CC4525
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 4G9742531.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\sh...\4g9742531.d\ECD1A.ch Vial: 2
Signal #2 : C:\msdchem\1\data\shahan...4541\4g9742531.d\ECD2B.ch
Acq On : 26 Dec 2024 11:55 pm Operator: christp
Sample : cc4525-2.5 Inst : GC4G
Misc : op60388,g4g4541,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\dat...41\4PSTLVI4525.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Fri Dec 27 08:51:39 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	107	0.00	4.39- 5.39
2	SAB	Tetrachloro-m-xylene	0.624	0.591	5.3	100	0.00	5.54- 5.60
3		hexachlorobenzene	1.127	1.063	5.7	100	0.00	5.90- 5.96
4	A	alpha-BHC	1.611	1.616	-0.3	97	0.00	6.06- 6.12
5	MA	gamma-BHC	1.424	1.382	2.9	96	0.00	6.37- 6.43
6	MA	Heptachlor	1.548	1.459	5.7	94	0.00	6.89- 6.95
7	B	beta-BHC	0.544	0.479	11.9	98	0.00	6.46- 6.52
		----------	Amount	Calc.	%Drift			----------
8	B	delta-BHC	2.500	2.304	7.8	101	0.00	6.65- 6.71
		----------	AvgRF	CCRF	%Dev			----------
9	MB	Aldrin	1.375	1.328	3.4	96	0.00	7.24- 7.30
10		alachlor	0.137	0.124	9.5	94	0.00	7.40- 7.46
11	B	Heptachlor Epoxide	1.217	1.134	6.8	101	0.00	7.98- 8.04
12	B	gamma-Chlordane	1.294	1.240	4.2	96	0.00	8.15- 8.21
13	B	alpha-Chlordane	1.334	1.195	10.4	96	0.00	8.32- 8.38
14	A	Endosulfan I	1.254	1.146	8.6	97	0.00	8.51- 8.57
15	B	4,4'-DDE	1.113	1.170	-5.1	99	0.00	8.44- 8.50
16	MA	Dieldrin	1.352	1.262	6.7	97	0.00	8.84- 8.90
17	MA	Endrin	1.222	1.200	1.8	97	0.00	9.17- 9.23
18	A	4,4'-DDD	0.861	0.905	-5.1	100	0.00	9.29- 9.35
19	B	Endosulfan II	1.104	1.038	6.0	96	0.00	9.50- 9.56
		----------	Amount	Calc.	%Drift			----------
20	MA	4,4'-DDT	2.500	2.356	5.8	92	0.00	9.71- 9.77
		----------	AvgRF	CCRF	%Dev			----------
21	B	Endrin Aldehyde	0.858	0.775	9.7	95	0.00	10.13-10.19
22	B	Endosulfan Sulfate	0.946	0.890	5.9	99	0.00	10.83-10.89
23	A	Methoxychlor	0.462	0.471	-1.9	98	0.00	10.50-10.56
24		Mirex	0.804	0.698	13.2	94	0.00	10.66-10.72
25	B	Endrin Ketone	1.149	1.026	10.7	97	0.00	11.27-11.33
26	SA	Decachlorobiphenyl	0.845	0.684	19.1	86	0.00	13.05-13.11
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	107	0.00	4.39- 5.39
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				

Continuing Calibration Summary

Job Number: JE1300 **Sample:** G4G4541-CC4525
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 4G9742531.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	107	0.00	4.39- 5.39
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				
*****		Signal #2 *****						
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	123	0.00	4.65- 5.65
2	SAB	Tetrachloro-m-xylene	0.957	0.898	6.2	115	0.00	6.03- 6.09
3		hexachlorobenzene	1.188	1.058	10.9	114	0.00	6.58- 6.64
4	A	alpha-BHC	1.624	1.609	0.9	115	0.00	6.74- 6.80
5	MA	gamma-BHC	1.457	1.408	3.4	114	0.00	7.19- 7.25
6	MA	Heptachlor	1.485	1.348	9.2	112	0.00	7.79- 7.85
7	B	beta-BHC	0.648	0.575	11.3	114	0.00	7.28- 7.34
8	B	delta-BHC	1.514	1.412	6.7	118	0.00	7.69- 7.75
9	MB	Aldrin	1.411	1.281	9.2	112	0.00	8.26- 8.32
10		alachlor	0.177	0.167	5.6	114	0.00	8.06- 8.12
11	B	Heptachlor Epoxide	1.234	1.165	5.6	113	0.00	9.11- 9.17
12	B	gamma-Chlordane	1.190	1.101	7.5	111	0.00	9.40- 9.46
13	B	alpha-Chlordane	1.218	1.088	10.7	110	0.00	9.63- 9.69
		----------	Amount	Calc.	%Drift	----------		
14	A	Endosulfan I	2.500	2.102	15.9	107	0.00	9.73- 9.79
		----------	AvgRF	CCRF	%Dev	----------		
15	B	4,4'-DDE	1.149	1.070	6.9	111	0.00	9.89- 9.95
16	MA	Dieldrin	1.171	1.103	5.8	113	0.00	10.17-10.23
17	MA	Endrin	1.054	1.022	3.0	115	0.00	10.68-10.74
18	A	4,4'-DDD	0.857	0.859	-0.2	119	0.00	10.85-10.91
19	B	Endosulfan II	0.982	0.919	6.4	115	0.00	11.04-11.10
		----------	Amount	Calc.	%Drift	----------		
20	MA	4,4'-DDT	2.500	2.407	3.7	110	0.00	11.39-11.45
21	B	Endrin Aldehyde	2.500	2.560	-2.4	117	0.00	11.61-11.67
		----------	AvgRF	CCRF	%Dev	----------		
22	B	Endosulfan Sulfate	0.843	0.798	5.3	120	0.00	12.09-12.15
23	A	Methoxychlor	0.355	0.389	-9.6	119	0.00	12.63-12.69
24		Mirex	0.680	0.641	5.7	116	0.00	12.98-13.04
25	B	Endrin Ketone	0.954	0.963	-0.9	119	0.00	13.03-13.09
26	SA	Decachlorobiphenyl	0.628	0.580	7.6	111	0.00	14.63-14.69
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	123	0.00	4.65- 5.65
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	123	0.00	4.65- 5.65
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				

Continuing Calibration Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G4G4541-CC4525
Lab FileID: 4G9742531.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
4g9742231.d 4PSTLVI4525.M Fri Dec 27 08:54:16 2024

Initial Calibration Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G8G2596-ICC2596
Lab FileID: 8G60346.D

Response Factor Report GC8G

Method : C:\msdchem\1\methods\8PSTLVI2596a.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Thu Sep 19 13:29:34 2024
Response via : Initial Calibration

Calibration Files
2 =8g60343.d 5 =8g60344.d 10 =8g60345.d 25 =8g60346.d
50 =8g60347.d 100 =8g60349.d 1 =8g60342.d 75 =8g60348.d

Compound	2	5	10	25	50	100	1	75	Avg	%RSD
1) I 1-bromo-2-nitrobenzen	ISTD									
2) Tetrachloro-	0.866	0.929	0.799	0.974	0.982	1.081	0.976	1.110	0.965	10.66
3) hexachlorobe	1.539	1.596	1.262	1.504	1.503	1.626	1.444	1.682	1.520	8.49
4) alpha-BHC	1.104	1.241	1.067	1.410	1.532	1.754	1.049	1.773	1.366	21.79
----- Quadratic regression ----- Coefficient = 0.9956										
Response Ratio = -0.00276 + 1.17334 *A + 0.33637 *A^2										
5) gamma-BHC	1.058	1.156	0.994	1.283	1.378	1.560	1.086	1.585	1.262	18.03
6) Heptachlor	1.211	1.263	1.023	1.281	1.333	1.472	1.304	1.517	1.301	11.75
7) beta-BHC	0.565	0.617	0.502	0.583	0.588	0.637	0.619	0.658	0.596	8.15
8) delta-BHC	1.033	1.120	1.012	1.274	1.395	1.586	1.103	1.617	1.267	19.09
9) Aldrin	0.956	1.084	0.903	1.159	1.229	1.384	1.070	1.411	1.150	16.05
10) alachlor		0.186	0.159	0.177	0.163			0.175	0.172	6.34
11) Heptachlor E	1.043	1.134	0.933	1.124	1.157	1.265	1.108	1.309	1.134	10.42
12) gamma-Chlord	1.279	1.136	0.888	1.138	1.194	1.321	1.364	1.351	1.209	13.08
13) alpha-Chlord	1.013	1.103	0.903	1.130	1.173	1.310	1.035	1.339	1.126	13.12
14) Endosulfan I	0.994	1.044	0.841	1.040	1.074	1.177	1.026	1.217	1.052	10.91
15) 4,4'-DDE	1.031	1.117	0.905	1.152	1.206	1.349	1.077	1.382	1.152	13.80
16) Dieldrin	1.067	1.085	0.869	1.119	1.184	1.316	1.173	1.353	1.146	13.26
17) Endrin	0.865	0.877	0.737	0.888	0.938	1.044	0.800	1.077	0.903	12.70
18) 4,4'-DDD	0.937	0.917	0.757	0.930	0.974	1.096	0.991	1.119	0.965	11.70
19) Endosulfan I	0.938	0.995	0.799	0.997	1.027	1.128	1.011	1.165	1.008	11.14
20) 4,4'-DDT	0.836	0.957	0.792	0.961	1.023	1.152	0.895	1.178	0.974	14.23
21) Endrin Aldeh	0.962	0.821	0.605	0.789	0.789	0.851	0.927	0.882	0.828	13.25
22) Endosulfan S	0.894	0.948	0.762	0.904	0.929	1.019	0.987	1.054	0.937	9.61
23) Methoxychlor	0.607	0.605	0.470	0.547	0.540	0.566	0.599	0.596	0.566	8.29
24) Mirex	0.874	0.933	0.714	0.828	0.809	0.862	0.952	0.899	0.859	8.85
25) Endrin Keton	1.201	1.176	0.919	1.135	1.155	1.264	1.338	1.305	1.187	10.96
26) Decachlorobi			0.786	0.913	0.912	0.994		1.035	0.928	10.28
27) I 1-bromo-2-nitrobenzen	ISTD									
28) Toxaphene{A}				0.014					0.014	0.00
29) Toxaphene{B}				0.014					0.014	0.00
30) Toxaphene{C}				0.037					0.037	0.00
31) Toxaphene{D}				0.024					0.024	0.00
32) Toxaphene{E}				0.035					0.035	0.00
33) I 1-bromo-2-nitrobenzen	ISTD									
34) Chlordane {A				0.077					0.077	0.00
35) Chlordane {B				0.047					0.047	0.00
36) Chlordane {C				0.166					0.166	0.00
37) Chlordane {D				0.254					0.254	0.00
38) Chlordane {E				0.036					0.036	0.00

Signal #2

Initial Calibration Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G8G2596-ICC2596
Lab FileID: 8G60346.D

1)	I 1-bromo-2-nitrobenzen					ISTD					
2)	Tetrachloro-	1.350	1.320	1.044	1.229	1.202	1.220		1.210	1.225	8.06
3)	hexachlorobe	1.497	1.371	1.090	1.230	1.192	1.204	1.646	1.199	1.304	14.31
4)	alpha-BHC	1.522	1.499	1.244	1.526	1.548	1.593	1.680	1.563	1.522	8.25
5)	gamma-BHC	1.385	1.382	1.106	1.334	1.331	1.378	1.500	1.351	1.346	8.21
6)	Heptachlor	1.249	1.230	0.993	1.157	1.162	1.181	1.360	1.178	1.189	8.71
7)	beta-BHC	0.777	0.736	0.573	0.639	0.621	0.635	0.885	0.627	0.687	15.14
8)	delta-BHC	1.327	1.322	1.086	1.269	1.303	1.340	1.462	1.323	1.304	8.01
9)	Aldrin	1.268	1.245	1.015	1.224	1.225	1.253	1.380	1.238	1.231	8.20
10)	alachlor		0.224	0.175	0.186	0.168			0.165	0.184	13.04
11)	Heptachlor E	1.220	1.205	0.961	1.137	1.143	1.161	1.329	1.147	1.163	8.89
12)	gamma-Chlord	1.172	1.197	0.950	1.131	1.149	1.178	1.255	1.165	1.150	7.70
13)	alpha-Chlord	1.175	1.174	0.948	1.122	1.129	1.157	1.288	1.144	1.142	8.24
14)	Endosulfan I	1.069	1.074	0.871	1.036	1.039	1.061	1.169	1.053	1.047	7.87
15)	4,4'-DDE	1.130	1.127	0.915	1.099	1.101	1.129	1.235	1.120	1.107	8.01
16)	Dieldrin	1.227	1.214	0.972	1.177	1.181	1.215	1.283	1.199	1.184	7.74
17)	Endrin	0.898	0.891	0.727	0.834	0.851	0.878	0.875	0.867	0.853	6.42
18)	4,4'-DDD	1.085	0.996	0.781	0.918	0.921	0.934	1.223	0.927	0.973	13.55
19)	Endosulfan I	1.012	1.026	0.820	0.982	0.989	1.007	1.081	1.000	0.989	7.56
20)	4,4'-DDT	0.764	0.817	0.679	0.815	0.837	0.866	0.806	0.857	0.805	7.48
21)	Endrin Aldeh	0.890	0.796	0.601	0.727	0.715	0.744	1.009	0.733	0.777	15.91
22)	Endosulfan S	0.915	0.938	0.747	0.877	0.879	0.908	1.001	0.889	0.894	8.03
23)	Methoxychlor	0.407	0.419	0.336	0.395	0.391	0.403	0.454	0.395	0.400	8.19
24)	Mirex	0.549	0.583	0.463	0.627	0.677	0.549	0.601	0.539	0.573	11.24
25)	Endrin Keton	1.123	1.761	1.029	1.144	1.164	1.212	1.128	1.210	1.222	18.46
26)	Decachlorobi			0.619	0.712	0.702	0.721		0.709	0.693	6.03
27)	I 1-bromo-2-nitrobenzen					ISTD					
28)	Toxaphene{A}					0.011				0.011	0.00
29)	Toxaphene{B}					0.007				0.007	0.00
30)	Toxaphene{C}					0.019				0.019	0.00
31)	Toxaphene{D}					0.009				0.009	0.00
32)	Toxaphene{E}					0.027				0.027	0.00
33)	I 1-bromo-2-nitrobenzen					ISTD					
34)	Chlordane {A					0.068				0.068	0.00
35)	Chlordane {B					0.040				0.040	0.00
36)	Chlordane {C					0.139				0.139	0.00
37)	Chlordane {D					0.229				0.229	0.00
38)	Chlordane {E					0.033				0.033	0.00

(#) = Out of Range ### Number of calibration levels exceeded format ###

8PSTLVI2596a.M Thu Sep 19 13:35:44 2024

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G8G2596-ICV2596
Lab FileID: 8G60350.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\g8g2596\8g60350.d\ECD1A.ch Vial: 19
Signal #2 : C:\msdchem\1\data\g8g2596\8g60350.d\ECD2B.ch
Acq On : 18 Sep 2024 2:37 pm Operator: rebeccak
Sample : icv2596-2.5 (pest mix) Inst : GC8G
Misc : op57529,g8g2596,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\methods\8PSTLVI2596a.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Thu Sep 19 13:29:34 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	96	0.00	1.92- 2.92
2	SAB	Tetrachloro-m-xylene	0.965	1.156	-19.8	114	0.00	2.94- 3.00
3		hexachlorobenzene	1.520	1.649	-8.5	105	0.00	3.29- 3.35
		---------- True Calc. % Drift ----------						
4	A	alpha-BHC	2.500	2.891	-15.6	107	0.00	3.44- 3.50
		---------- AvgRF CCRF % Dev ----------						
5	MA	gamma-BHC	1.262	1.457	-15.5	109	0.00	3.76- 3.82
6	MA	Heptachlor	1.301	1.379	-6.0	103	0.00	4.29- 4.35
7	B	beta-BHC	0.596	0.643	-7.9	106	0.00	3.83- 3.89
8	B	delta-BHC	1.267	1.375	-8.5	103	0.00	4.04- 4.10
9	MB	Aldrin	1.150	1.315	-14.3	109	0.00	4.66- 4.72
10		alachlor	0.172	0.196	-14.0	106	0.00	4.81- 4.87
11	B	Heptachlor Epoxide	1.134	1.260	-11.1	107	0.00	5.44- 5.50
12	B	gamma-Chlordane	1.209	1.270	-5.0	107	0.00	5.61- 5.67
13	B	alpha-Chlordane	1.126	1.203	-6.8	102	0.00	5.80- 5.86
14	A	Endosulfan I	1.052	1.149	-9.2	106	0.00	6.00- 6.06
15	B	4,4'-DDE	1.152	1.257	-9.1	105	0.00	5.90- 5.96
16	MA	Dieldrin	1.146	1.229	-7.2	105	0.00	6.34- 6.40
17	MA	Endrin	0.903	0.987	-9.3	107	0.00	6.69- 6.75
18	A	4,4'-DDD	0.965	1.040	-7.8	107	0.00	6.79- 6.85
19	B	Endosulfan II	1.008	1.113	-10.4	107	0.00	7.03- 7.09
20	MA	4,4'-DDT	0.974	1.087	-11.6	108	0.00	7.23- 7.29
21	B	Endrin Aldehyde	0.828	0.973	-17.5	118	0.00	7.69- 7.75
22	B	Endosulfan Sulfate	0.937	0.978	-4.4	104	0.00	8.41- 8.47
23	A	Methoxychlor	0.566	0.590	-4.2	103	0.00	8.03- 8.09
24		Mirex	0.859	0.914	-6.4	106	0.00	8.23- 8.29
25	B	Endrin Ketone	1.187	1.244	-4.8	105	0.00	8.87- 8.93
26	SA	Decachlorobiphenyl	0.928	1.083	-16.7	114	0.00	10.64-10.70
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	96	0.00	1.92- 2.92
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	96	0.00	1.92- 2.92
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G8G2596-ICV2596
Lab FileID: 8G60350.D

36		Chlordane {C}			----------NA----------			
37		Chlordane {D}			----------NA----------			
38		Chlordane {E}			----------NA----------			
*****		Signal #2 *****						
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	99	0.00	2.29- 3.29
2	SAB	Tetrachloro-m-xylene	1.225	1.387	-13.2	112	0.00	3.65- 3.71
3		hexachlorobenzene	1.304	1.312	-0.6	106	0.00	4.23- 4.29
4	A	alpha-BHC	1.522	1.557	-2.3	101	0.00	4.40- 4.46
5	MA	gamma-BHC	1.346	1.423	-5.7	106	0.00	4.88- 4.94
6	MA	Heptachlor	1.189	1.178	0.9	101	0.00	5.55- 5.61
7	B	beta-BHC	0.687	0.676	1.6	105	0.00	4.96- 5.02
8	B	delta-BHC	1.304	1.319	-1.2	103	0.00	5.41- 5.47
9	MB	Aldrin	1.231	1.318	-7.1	107	0.00	6.06- 6.12
10		alachlor	0.184	0.194	-5.4	104	0.00	5.81- 5.87
11	B	Heptachlor Epoxide	1.163	1.217	-4.6	106	0.00	6.96- 7.02
12	B	gamma-Chlordane	1.150	1.222	-6.3	107	0.00	7.26- 7.32
13	B	alpha-Chlordane	1.142	1.155	-1.1	102	0.00	7.50- 7.56
14	A	Endosulfan I	1.047	1.082	-3.3	104	0.00	7.62- 7.68
15	B	4,4'-DDE	1.107	1.142	-3.2	103	0.00	7.75- 7.81
16	MA	Dieldrin	1.184	1.254	-5.9	106	0.00	8.08- 8.14
17	MA	Endrin	0.853	0.884	-3.6	105	0.00	8.62- 8.68
18	A	4,4'-DDD	0.973	0.972	0.1	105	0.00	8.75- 8.81
19	B	Endosulfan II	0.989	1.034	-4.6	105	0.00	8.97- 9.03
20	MA	4,4'-DDT	0.805	0.856	-6.3	104	0.00	9.32- 9.38
21	B	Endrin Aldehyde	0.777	0.831	-6.9	114	0.00	9.56- 9.62
22	B	Endosulfan Sulfate	0.894	0.925	-3.5	105	0.00	10.05-10.11
23	A	Methoxychlor	0.400	0.405	-1.3	102	0.00	10.55-10.61
24		Mirex	0.573	0.591	-3.1	94	0.00	10.99-11.05
25	B	Endrin Ketone	1.222	1.197	2.0	104	0.00	11.01-11.07
26	SA	Decachlorobiphenyl	0.693	0.793	-14.4	111	0.00	13.03-13.09
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	99	0.00	2.29- 3.29
28	L8	Toxaphene{A}			----------NA----------			
29	L8	Toxaphene{B}			----------NA----------			
30	L8	Toxaphene{C}			----------NA----------			
31	L8	Toxaphene{D}			----------NA----------			
32	L8	Toxaphene{E}			----------NA----------			
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	99	0.00	2.29- 3.29
34		Chlordane {A}			----------NA----------			
35		Chlordane {B}			----------NA----------			
36		Chlordane {C}			----------NA----------			
37		Chlordane {D}			----------NA----------			
38		Chlordane {E}			----------NA----------			

(#) = Out of Range SPCC's out = 0 CCC's out = 0
8g60346.d 8PSTLVI2596a.M Thu Sep 19 13:41:45 2024

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G8G2596-ICV2596
Lab FileID: 8G60352.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\g8g2596\8g60352.d\ECD1A.ch Vial: 21
Signal #2 : C:\msdchem\1\data\g8g2596\8g60352.d\ECD2B.ch
Acq On : 18 Sep 2024 3:22 pm Operator: rebeccak
Sample : icv2596-50 (chlordane) Inst : GC8G
Misc : op57529,g8g2596,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\methods\8PSTLVI2596a.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Thu Sep 19 07:05:18 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	89	0.00	1.92- 2.92
2	SAB	Tetrachloro-m-xylene	0.965	1.321	-36.9#	120	0.00	2.94- 3.00
3		hexachlorobenzene		----------NA----------				
		---------- True Calc. % Drift ----------						
4	A	alpha-BHC		----------NA----------				
		---------- AvgRF CCRF % Dev ----------						
5	MA	gamma-BHC		----------NA----------				
6	MA	Heptachlor		----------NA----------				
7	B	beta-BHC		----------NA----------				
8	B	delta-BHC		----------NA----------				
9	MB	Aldrin		----------NA----------				
10		alachlor		----------NA----------				
11	B	Heptachlor Epoxide		----------NA----------				
12	B	gamma-Chlordane		----------NA----------				
13	B	alpha-Chlordane		----------NA----------				
14	A	Endosulfan I		----------NA----------				
15	B	4,4'-DDE		----------NA----------				
16	MA	Dieldrin		----------NA----------				
17	MA	Endrin		----------NA----------				
18	A	4,4'-DDD		----------NA----------				
19	B	Endosulfan II		----------NA----------				
20	MA	4,4'-DDT		----------NA----------				
21	B	Endrin Aldehyde		----------NA----------				
22	B	Endosulfan Sulfate		----------NA----------				
23	A	Methoxychlor		----------NA----------				
24		Mirex		----------NA----------				
25	B	Endrin Ketone		----------NA----------				
26	SA	Decachlorobiphenyl	0.928	1.097	-18.2	108	0.00	10.64-10.70
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	89	0.00	1.92- 2.92
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	96	0.00	1.92- 2.92
34		Chlordane {A}	0.077	0.080	-3.9	99	0.00	4.22- 4.42
35		Chlordane {B}	0.047	0.052	-10.6	107	0.00	4.75- 4.95

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G8G2596-ICV2596
Lab FileID: 8G60352.D

36		Chlordane {C}	0.166	0.184	-10.8	106	0.00	5.54- 5.74
37		Chlordane {D}	0.254	0.283	-11.4	106	-0.01	5.71- 5.91
38		Chlordane {E}	0.036	0.040	-11.1	105	0.00	6.86- 7.06
*****		Signal #2 *****						
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	97	0.00	2.29- 3.29
2	SAB	Tetrachloro-m-xylene	1.225	1.312	-7.1	106	0.00	3.65- 3.71
3		hexachlorobenzene	----------NA----------					
4	A	alpha-BHC	----------NA----------					
5	MA	gamma-BHC	----------NA----------					
6	MA	Heptachlor	----------NA----------					
7	B	beta-BHC	----------NA----------					
8	B	delta-BHC	----------NA----------					
9	MB	Aldrin	----------NA----------					
10		alachlor	----------NA----------					
11	B	Heptachlor Epoxide	----------NA----------					
12	B	gamma-Chlordane	----------NA----------					
13	B	alpha-Chlordane	----------NA----------					
14	A	Endosulfan I	----------NA----------					
15	B	4,4'-DDE	----------NA----------					
16	MA	Dieldrin	----------NA----------					
17	MA	Endrin	----------NA----------					
18	A	4,4'-DDD	----------NA----------					
19	B	Endosulfan II	----------NA----------					
20	MA	4,4'-DDT	----------NA----------					
21	B	Endrin Aldehyde	----------NA----------					
22	B	Endosulfan Sulfate	----------NA----------					
23	A	Methoxychlor	----------NA----------					
24		Mirex	----------NA----------					
25	B	Endrin Ketone	----------NA----------					
26	SA	Decachlorobiphenyl	0.693	0.766	-10.5	106	0.00	13.03-13.09
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	97	0.00	2.29- 3.29
28	L8	Toxaphene{A}	----------NA----------					
29	L8	Toxaphene{B}	----------NA----------					
30	L8	Toxaphene{C}	----------NA----------					
31	L8	Toxaphene{D}	----------NA----------					
32	L8	Toxaphene{E}	----------NA----------					
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	99	0.00	2.29- 3.29
34		Chlordane {A}	0.068	0.070	-2.9	101	0.00	5.48- 5.68
35		Chlordane {B}	0.040	0.044	-10.0	109	0.00	6.19- 6.39
36		Chlordane {C}	0.139	0.151	-8.6	107	0.00	7.19- 7.39
37		Chlordane {D}	0.229	0.236	-3.1	102	0.00	7.43- 7.63
38		Chlordane {E}	0.033	0.037	-12.1	114	0.00	9.00- 9.20

(#) = Out of Range SPCC's out = 0 CCC's out = 0
8g60351.d 8PSTLVI2596a.M Thu Sep 19 07:06:22 2024

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G8G2596-ICV2596
Lab FileID: 8G60354.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\g8g2596\8g60354.d\ECD1A.ch Vial: 23
Signal #2 : C:\msdchem\1\data\g8g2596\8g60354.d\ECD2B.ch
Acq On : 18 Sep 2024 4:08 pm Operator: rebeccak
Sample : icv2596-50 (toxaphene) Inst : GC8G
Misc : op57529,g8g2596,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\methods\8PSTLVI2596a.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Thu Sep 19 13:29:34 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	96	0.00	1.92- 2.92
2	SAB	Tetrachloro-m-xylene	0.965	1.109	-14.9	109	0.00	2.94- 3.00
3		hexachlorobenzene		----------NA----------				
		---------- True	Calc.	% Drift	----------			
4	A	alpha-BHC		----------NA----------				
		---------- AvgRF	CCRF	% Dev	----------			
5	MA	gamma-BHC		----------NA----------				
6	MA	Heptachlor		----------NA----------				
7	B	beta-BHC		----------NA----------				
8	B	delta-BHC		----------NA----------				
9	MB	Aldrin		----------NA----------				
10		alachlor		----------NA----------				
11	B	Heptachlor Epoxide		----------NA----------				
12	B	gamma-Chlordane		----------NA----------				
13	B	alpha-Chlordane		----------NA----------				
14	A	Endosulfan I		----------NA----------				
15	B	4,4'-DDE		----------NA----------				
16	MA	Dieldrin		----------NA----------				
17	MA	Endrin		----------NA----------				
18	A	4,4'-DDD		----------NA----------				
19	B	Endosulfan II		----------NA----------				
20	MA	4,4'-DDT		----------NA----------				
21	B	Endrin Aldehyde		----------NA----------				
22	B	Endosulfan Sulfate		----------NA----------				
23	A	Methoxychlor		----------NA----------				
24		Mirex		----------NA----------				
25	B	Endrin Ketone		----------NA----------				
26	SA	Decachlorobiphenyl	0.928	0.917	1.2	97	0.00	10.64-10.70
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	112	0.00	1.92- 2.92
28	L8	Toxaphene{A}	0.014	0.021	-50.0#	162#	0.01	6.68- 6.88
29	L8	Toxaphene{B}	0.014	0.017	-21.4#	141	0.00	7.48- 7.68
30	L8	Toxaphene{C}	0.037	0.030	18.9	88	0.00	7.59- 7.79
31	L8	Toxaphene{D}	0.024	0.021	12.5	96	0.00	8.01- 8.21
32	L8	Toxaphene{E}	0.035	0.025	28.6#	78	0.00	8.17- 8.37
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	103	0.00	1.92- 2.92
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G8G2596-ICV2596
Lab FileID: 8G60354.D

36		Chlordane {C}			----------NA----------			
37		Chlordane {D}			----------NA----------			
38		Chlordane {E}			----------NA----------			
*****		Signal #2 *****						
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	99	0.00	2.29- 3.29
2	SAB	Tetrachloro-m-xylene	1.225	1.319	-7.7	109	0.00	3.65- 3.71
3		hexachlorobenzene			----------NA----------			
4	A	alpha-BHC			----------NA----------			
5	MA	gamma-BHC			----------NA----------			
6	MA	Heptachlor			----------NA----------			
7	B	beta-BHC			----------NA----------			
8	B	delta-BHC			----------NA----------			
9	MB	Aldrin			----------NA----------			
10		alachlor			----------NA----------			
11	B	Heptachlor Epoxide			----------NA----------			
12	B	gamma-Chlordane			----------NA----------			
13	B	alpha-Chlordane			----------NA----------			
14	A	Endosulfan I			----------NA----------			
15	B	4,4'-DDE			----------NA----------			
16	MA	Dieldrin			----------NA----------			
17	MA	Endrin			----------NA----------			
18	A	4,4'-DDD			----------NA----------			
19	B	Endosulfan II			----------NA----------			
20	MA	4,4'-DDT			----------NA----------			
21	B	Endrin Aldehyde			----------NA----------			
22	B	Endosulfan Sulfate			----------NA----------			
23	A	Methoxychlor			----------NA----------			
24		Mirex			----------NA----------			
25	B	Endrin Ketone			----------NA----------			
26	SA	Decachlorobiphenyl	0.693	0.769	-11.0	109	0.00	13.03-13.09
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	110	0.00	2.29- 3.29
28	L8	Toxaphene{A}	0.011	0.015	-36.4#	143	0.00	7.96- 8.16
29	L8	Toxaphene{B}	0.007	0.008	-14.3	117	0.00	8.15- 8.35
30	L8	Toxaphene{C}	0.019	0.022	-15.8	128	0.00	9.04- 9.24
31	L8	Toxaphene{D}	0.009	0.008	11.1	95	0.00	9.19- 9.39
32	L8	Toxaphene{E}	0.027	0.023	14.8	94	0.00	10.42-10.62
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	101	0.00	2.29- 3.29
34		Chlordane {A}			----------NA----------			
35		Chlordane {B}			----------NA----------			
36		Chlordane {C}			----------NA----------			
37		Chlordane {D}			----------NA----------			
38		Chlordane {E}			----------NA----------			

(#) = Out of Range SPCC's out = 0 CCC's out = 0
8g60353.d 8PSTLVI2596a.M Thu Sep 19 13:35:02 2024

Continuing Calibration Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G8G2697-CC2596
Lab FileID: 8G62730.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\ma...97\8g62730.d\ECD1A.ch Vial: 4
Signal #2 : C:\msdchem\1\data\maryan...8g2697\8g62730.d\ECD2B.ch
Acq On : 1 Dec 2024 6:05 am Operator: rebeccak
Sample : cc2596-5 Inst : GC8G
Misc : op59768,g8g2697,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\dat...7\8PSTLVI2596a.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Mon Dec 02 07:28:52 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	106	0.00	1.91- 2.91
2	SAB	Tetrachloro-m-xylene	0.965	1.059	-9.7	114	0.00	2.93- 2.99
3		hexachlorobenzene	1.520	1.726	-13.6	122	0.00	3.27- 3.33
		----------	Amount	Calc.	%Drift	----------		
4	A	alpha-BHC	5.000	5.591	-11.8	120	0.00	3.42- 3.48
		----------	AvgRF	CCRF	%Dev	----------		
5	MA	gamma-BHC	1.262	1.561	-23.7#	120	0.00	3.74- 3.80
6	MA	Heptachlor	1.301	1.561	-20.0	124	0.00	4.27- 4.33
7	B	beta-BHC	0.596	0.677	-13.6	122	0.00	3.82- 3.88
8	B	delta-BHC	1.267	1.579	-24.6#	120	0.00	4.02- 4.08
9	MB	Aldrin	1.150	1.439	-25.1#	124	0.00	4.63- 4.69
10		alachlor	0.172	0.196	-14.0	127	0.00	4.78- 4.84
11	B	Heptachlor Epoxide	1.134	1.376	-21.3#	126	0.00	5.40- 5.46
12	B	gamma-Chlordane	1.209	1.427	-18.0	127	0.00	5.58- 5.64
13	B	alpha-Chlordane	1.126	1.418	-25.9#	128	0.00	5.76- 5.82
14	A	Endosulfan I	1.052	1.301	-23.7#	129	0.00	5.95- 6.01
15	B	4,4'-DDE	1.152	1.488	-29.2#	131	0.00	5.86- 5.92
16	MA	Dieldrin	1.146	1.382	-20.6#	124	0.00	6.30- 6.36
17	MA	Endrin	0.903	1.280	-41.7#	145	0.00	6.64- 6.70
18	A	4,4'-DDD	0.965	1.192	-23.5#	130	0.00	6.75- 6.81
19	B	Endosulfan II	1.008	1.206	-19.6	125	0.00	6.98- 7.04
20	MA	4,4'-DDT	0.974	1.181	-21.3#	123	0.00	7.19- 7.25
21	B	Endrin Aldehyde	0.828	0.889	-7.4	120	0.00	7.64- 7.70
22	B	Endosulfan Sulfate	0.937	1.050	-12.1	120	0.00	8.36- 8.42
23	A	Methoxychlor	0.566	0.618	-9.2	122	0.00	7.98- 8.04
24		Mirex	0.859	0.965	-12.3	127	0.00	8.18- 8.24
25	B	Endrin Ketone	1.187	1.310	-10.4	120	0.00	8.82- 8.88
26	SA	Decachlorobiphenyl	0.928	0.985	-6.1	115	0.00	10.60-10.66
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	124	0.00	1.91- 2.91
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	114	0.00	1.91- 2.91
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				

Continuing Calibration Summary

Job Number: JE1300 **Sample:** G8G2697-CC2596
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 8G62730.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

36		Chlordane {C}			----------NA----------			
37		Chlordane {D}			----------NA----------			
38		Chlordane {E}			----------NA----------			
*****		Signal #2 *****						
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	102	0.00	2.28- 3.28
2	SAB	Tetrachloro-m-xylene	1.225	1.241	-1.3	105	0.00	3.63- 3.69
3		hexachlorobenzene	1.304	1.277	2.1	109	0.00	4.21- 4.27
4	A	alpha-BHC	1.522	1.519	0.2	100	0.00	4.37- 4.43
5	MA	gamma-BHC	1.346	1.385	-2.9	106	0.00	4.85- 4.91
6	MA	Heptachlor	1.189	1.193	-0.3	105	0.00	5.51- 5.57
7	B	beta-BHC	0.687	0.684	0.4	112	0.00	4.94- 5.00
8	B	delta-BHC	1.304	1.382	-6.0	108	0.00	5.38- 5.44
9	MB	Aldrin	1.231	1.321	-7.3	110	0.00	6.02- 6.08
10		alachlor	0.184	0.174	5.4	105	0.00	5.76- 5.82
11	B	Heptachlor Epoxide	1.163	1.236	-6.3	110	0.00	6.90- 6.96
12	B	gamma-Chlordane	1.150	1.273	-10.7	113	0.00	7.21- 7.27
13	B	alpha-Chlordane	1.142	1.242	-8.8	112	0.00	7.45- 7.51
14	A	Endosulfan I	1.047	1.130	-7.9	111	0.00	7.56- 7.62
15	B	4,4'-DDE	1.107	1.289	-16.4	119	0.00	7.70- 7.76
16	MA	Dieldrin	1.184	1.271	-7.3	110	0.00	8.02- 8.08
17	MA	Endrin	0.853	1.003	-17.6	120	0.00	8.56- 8.62
18	A	4,4'-DDD	0.973	1.030	-5.9	114	0.00	8.70- 8.76
19	B	Endosulfan II	0.989	0.994	-0.5	102	0.00	8.92- 8.98
20	MA	4,4'-DDT	0.805	0.822	-2.1	100	0.00	9.26- 9.32
21	B	Endrin Aldehyde	0.777	0.735	5.4	105	0.00	9.50- 9.56
22	B	Endosulfan Sulfate	0.894	0.825	7.7	96	0.00	9.99-10.05
23	A	Methoxychlor	0.400	0.369	7.8	96	0.00	10.49-10.55
24		Mirex	0.573	0.613	-7.0	92	0.00	10.92-10.98
25	B	Endrin Ketone	1.222	1.008	17.5	88	0.00	10.95-11.01
26	SA	Decachlorobiphenyl	0.693	0.610	12.0	88	0.00	12.98-13.04
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	112	0.00	2.28- 3.28
28	L8	Toxaphene{A}			----------NA----------			
29	L8	Toxaphene{B}			----------NA----------			
30	L8	Toxaphene{C}			----------NA----------			
31	L8	Toxaphene{D}			----------NA----------			
32	L8	Toxaphene{E}			----------NA----------			
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	104	0.00	2.28- 3.28
34		Chlordane {A}			----------NA----------			
35		Chlordane {B}			----------NA----------			
36		Chlordane {C}			----------NA----------			
37		Chlordane {D}			----------NA----------			
38		Chlordane {E}			----------NA----------			

(#) = Out of Range SPCC's out = 0 CCC's out = 0
8g62730.d 8PSTLVI2596a.M Mon Dec 02 07:31:18 2024

10.10.11 10

Continuing Calibration Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G8G2698-CC2596
Lab FileID: 8G62745.D

Evaluate Continuing Calibration Report

Signal #1 : X:\Dayton SVOA GC\8....98\8g62745.d\ECD1A.ch Vial: 4
Signal #2 : X:\Dayton SVOA GC\8. GC ...8g2698\8g62745.d\ECD2B.ch
Acq On : 2 Dec 2024 1:04 am Operator: christp
Sample : cc2596-5 Inst : GC8G
Misc : op59609,g8g2698,5.2,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : X:\Dayton SVOA G...8\8PSTLVI2596a.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Mon Dec 02 07:28:52 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	123	0.00	1.91- 2.91
2	SAB	Tetrachloro-m-xylene	0.965	1.011	-4.8	127	0.00	2.93- 2.99
3		hexachlorobenzene	1.520	1.644	-8.2	135	0.00	3.27- 3.33
		---------- True Calc. % Drift ----------						
4	A	alpha-BHC	5.000	5.397	-7.9	133	0.00	3.42- 3.48
		---------- AvgRF CCRF % Dev ----------						
5	MA	gamma-BHC	1.262	1.490	-18.1	133	0.00	3.73- 3.79
6	MA	Heptachlor	1.301	1.500	-15.3	139	0.00	4.26- 4.32
7	B	beta-BHC	0.596	0.642	-7.7	135	0.00	3.81- 3.87
8	B	delta-BHC	1.267	1.517	-19.7	134	0.00	4.01- 4.07
9	MB	Aldrin	1.150	1.358	-18.1	136	0.00	4.63- 4.69
10		alachlor	0.172	0.178	-3.5	134	0.00	4.77- 4.83
11	B	Heptachlor Epoxide	1.134	1.300	-14.6	139	0.00	5.40- 5.46
12	B	gamma-Chlordane	1.209	1.340	-10.8	138	0.00	5.57- 5.63
13	B	alpha-Chlordane	1.126	1.331	-18.2	140	0.00	5.75- 5.81
14	A	Endosulfan I	1.052	1.225	-16.4	141	0.00	5.95- 6.01
15	B	4,4'-DDE	1.152	1.388	-20.5#	142	0.00	5.86- 5.92
16	MA	Dieldrin	1.146	1.314	-14.7	137	0.00	6.29- 6.35
17	MA	Endrin	0.903	1.210	-34.0#	159#	0.00	6.64- 6.70
18	A	4,4'-DDD	0.965	1.117	-15.8	141	0.00	6.74- 6.80
19	B	Endosulfan II	1.008	1.133	-12.4	136	0.00	6.98- 7.04
20	MA	4,4'-DDT	0.974	1.124	-15.4	135	0.00	7.18- 7.24
21	B	Endrin Aldehyde	0.828	0.846	-2.2	132	0.00	7.64- 7.70
22	B	Endosulfan Sulfate	0.937	1.013	-8.1	134	0.00	8.36- 8.42
23	A	Methoxychlor	0.566	0.575	-1.6	131	0.00	7.98- 8.04
24		Mirex	0.859	0.929	-8.1	142	0.00	8.18- 8.24
25	B	Endrin Ketone	1.187	1.265	-6.6	135	0.00	8.81- 8.87
26	SA	Decachlorobiphenyl	0.928	0.988	-6.5	134	0.00	10.59-10.65
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	147	0.00	1.91- 2.91
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	134	0.00	1.91- 2.91
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				

Continuing Calibration Summary

Job Number: JE1300 **Sample:** G8G2698-CC2596
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 8G62745.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

36		Chlordane {C}			----------NA----------			
37		Chlordane {D}			----------NA----------			
38		Chlordane {E}			----------NA----------			
*****		Signal #2 *****						
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	106	0.00	2.27- 3.27
2	SAB	Tetrachloro-m-xylene	1.225	1.269	-3.6	112	0.00	3.63- 3.69
3		hexachlorobenzene	1.304	1.301	0.2	116	0.00	4.20- 4.26
4	A	alpha-BHC	1.522	1.561	-2.6	107	0.00	4.36- 4.42
5	MA	gamma-BHC	1.346	1.401	-4.1	111	0.00	4.84- 4.90
6	MA	Heptachlor	1.189	1.192	-0.3	109	0.00	5.50- 5.56
7	B	beta-BHC	0.687	0.702	-2.2	119	0.00	4.93- 4.99
8	B	delta-BHC	1.304	1.366	-4.8	111	0.00	5.38- 5.44
9	MB	Aldrin	1.231	1.347	-9.4	116	0.00	6.01- 6.07
10		alachlor	0.184	0.167	9.2	105	0.00	5.75- 5.81
11	B	Heptachlor Epoxide	1.163	1.270	-9.2	118	0.00	6.90- 6.96
12	B	gamma-Chlordane	1.150	1.297	-12.8	119	0.00	7.21- 7.27
13	B	alpha-Chlordane	1.142	1.273	-11.5	119	0.00	7.45- 7.51
14	A	Endosulfan I	1.047	1.156	-10.4	118	0.00	7.56- 7.62
15	B	4,4'-DDE	1.107	1.302	-17.6	125	0.00	7.70- 7.76
16	MA	Dieldrin	1.184	1.317	-11.2	118	0.00	8.02- 8.08
17	MA	Endrin	0.853	1.044	-22.4#	130	0.00	8.55- 8.61
18	A	4,4'-DDD	0.973	1.054	-8.3	121	0.00	8.69- 8.75
19	B	Endosulfan II	0.989	1.044	-5.6	112	0.00	8.91- 8.97
20	MA	4,4'-DDT	0.805	0.858	-6.6	108	0.00	9.25- 9.31
21	B	Endrin Aldehyde	0.777	0.760	2.2	112	0.00	9.50- 9.56
22	B	Endosulfan Sulfate	0.894	0.860	3.8	103	0.00	9.98-10.04
23	A	Methoxychlor	0.400	0.371	7.3	100	0.00	10.48-10.54
24		Mirex	0.573	0.658	-14.8	103	0.00	10.92-10.98
25	B	Endrin Ketone	1.222	1.018	16.7	92	0.00	10.95-11.01
26	SA	Decachlorobiphenyl	0.693	0.640	7.6	96	0.00	12.97-13.03
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	117	0.00	2.27- 3.27
28	L8	Toxaphene{A}			----------NA----------			
29	L8	Toxaphene{B}			----------NA----------			
30	L8	Toxaphene{C}			----------NA----------			
31	L8	Toxaphene{D}			----------NA----------			
32	L8	Toxaphene{E}			----------NA----------			
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	108	0.00	2.27- 3.27
34		Chlordane {A}			----------NA----------			
35		Chlordane {B}			----------NA----------			
36		Chlordane {C}			----------NA----------			
37		Chlordane {D}			----------NA----------			
38		Chlordane {E}			----------NA----------			

(#) = Out of Range SPCC's out = 0 CCC's out = 0
8g62730.d 8PSTLVI2596a.M Mon Dec 02 19:50:38 2024

Continuing Calibration Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G8G2700-CC2596
Lab FileID: 8G62764.D

Evaluate Continuing Calibration Report

Signal #1 : X:\Dayton SVOA GC\8....00\8g62764.d\ECD1A.ch Vial: 4
Signal #2 : X:\Dayton SVOA GC\8. GC ...8g2700\8g62764.d\ECD2B.ch
Acq On : 3 Dec 2024 1:07 am Operator: christp
Sample : cc2596-5 Inst : GC8G
Misc : op59749,g8g2700,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : X:\Dayton SVOA G...0\8PSTLVI2596a.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Mon Dec 02 07:28:52 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	117	0.00	1.90- 2.90
2	SAB	Tetrachloro-m-xylene	0.965	1.026	-6.3	122	-0.01	2.92- 2.98
3		hexachlorobenzene	1.520	1.658	-9.1	129	-0.01	3.26- 3.32
			True	Calc.	% Drift			
4	A	alpha-BHC	5.000	5.401	-8.0	127	-0.01	3.41- 3.47
			AvgRF	CCRF	% Dev			
5	MA	gamma-BHC	1.262	1.485	-17.7	126	-0.01	3.73- 3.79
6	MA	Heptachlor	1.301	1.520	-16.8	133	-0.01	4.26- 4.32
7	B	beta-BHC	0.596	0.644	-8.1	128	-0.01	3.81- 3.87
8	B	delta-BHC	1.267	1.502	-18.5	126	-0.01	4.01- 4.07
9	MB	Aldrin	1.150	1.367	-18.9	130	-0.01	4.62- 4.68
10		alachlor	0.172	0.183	-6.4	131	-0.01	4.76- 4.82
11	B	Heptachlor Epoxide	1.134	1.298	-14.5	131	-0.01	5.39- 5.45
12	B	gamma-Chlordane	1.209	1.349	-11.6	132	-0.01	5.56- 5.62
13	B	alpha-Chlordane	1.126	1.348	-19.7	134	-0.01	5.74- 5.80
14	A	Endosulfan I	1.052	1.246	-18.4	136	-0.01	5.94- 6.00
15	B	4,4'-DDE	1.152	1.423	-23.5#	138	-0.01	5.85- 5.91
16	MA	Dieldrin	1.146	1.332	-16.2	132	-0.01	6.28- 6.34
17	MA	Endrin	0.903	1.277	-41.4#	159#	-0.01	6.63- 6.69
18	A	4,4'-DDD	0.965	1.145	-18.7	138	-0.01	6.74- 6.80
19	B	Endosulfan II	1.008	1.172	-16.3	134	-0.01	6.97- 7.03
20	MA	4,4'-DDT	0.974	1.198	-23.0#	137	-0.01	7.17- 7.23
21	B	Endrin Aldehyde	0.828	0.889	-7.4	132	-0.01	7.63- 7.69
22	B	Endosulfan Sulfate	0.937	1.054	-12.5	133	-0.01	8.35- 8.41
23	A	Methoxychlor	0.566	0.641	-13.3	139	-0.01	7.97- 8.03
24		Mirex	0.859	0.984	-14.6	142	-0.01	8.17- 8.23
25	B	Endrin Ketone	1.187	1.312	-10.5	133	-0.01	8.80- 8.86
26	SA	Decachlorobiphenyl	0.928	1.062	-14.4	136	-0.01	10.59-10.65
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	136	0.00	1.90- 2.90
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	125	0.00	1.90- 2.90
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				

Continuing Calibration Summary

Job Number: JE1300 **Sample:** G8G2700-CC2596
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 8G62764.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

36		Chlordane {C}			----------NA----------				
37		Chlordane {D}			----------NA----------				
38		Chlordane {E}			----------NA----------				
*****		Signal #2 *****							
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	108	-0.01	2.27-	3.27
2	SAB	Tetrachloro-m-xylene	1.225	1.169	4.6	105	-0.01	3.62-	3.68
3		hexachlorobenzene	1.304	1.202	7.8	109	-0.01	4.20-	4.26
4	A	alpha-BHC	1.522	1.474	3.2	103	-0.01	4.36-	4.42
5	MA	gamma-BHC	1.346	1.328	1.3	108	-0.01	4.84-	4.90
6	MA	Heptachlor	1.189	1.187	0.2	110	-0.01	5.50-	5.56
7	B	beta-BHC	0.687	0.654	4.8	114	-0.01	4.93-	4.99
8	B	delta-BHC	1.304	1.309	-0.4	108	-0.01	5.37-	5.43
9	MB	Aldrin	1.231	1.250	-1.5	110	-0.01	6.01-	6.07
10		alachlor	0.184	0.170	7.6	109	-0.01	5.75-	5.81
11	B	Heptachlor Epoxide	1.163	1.188	-2.1	112	-0.01	6.89-	6.95
12	B	gamma-Chlordane	1.150	1.218	-5.9	114	-0.01	7.20-	7.26
13	B	alpha-Chlordane	1.142	1.191	-4.3	114	-0.01	7.44-	7.50
14	A	Endosulfan I	1.047	1.087	-3.8	113	-0.01	7.55-	7.61
15	B	4,4'-DDE	1.107	1.235	-11.6	121	-0.01	7.69-	7.75
16	MA	Dieldrin	1.184	1.228	-3.7	112	-0.01	8.01-	8.07
17	MA	Endrin	0.853	1.016	-19.1	129	-0.01	8.55-	8.61
18	A	4,4'-DDD	0.973	1.008	-3.6	118	-0.01	8.69-	8.75
19	B	Endosulfan II	0.989	0.970	1.9	106	-0.01	8.91-	8.97
20	MA	4,4'-DDT	0.805	0.859	-6.7	111	-0.01	9.25-	9.31
21	B	Endrin Aldehyde	0.777	0.738	5.0	111	-0.01	9.49-	9.55
22	B	Endosulfan Sulfate	0.894	0.832	6.9	102	-0.01	9.98-	10.04
23	A	Methoxychlor	0.400	0.406	-1.5	112	-0.01	10.48-	10.54
24		Mirex	0.573	0.574	-0.2	92	-0.01	10.91-	10.97
25	B	Endrin Ketone	1.222	1.087	11.0	101	-0.01	10.94-	11.00
26	SA	Decachlorobiphenyl	0.693	0.635	8.4	98	-0.01	12.97-	13.03
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	119	-0.01	2.27-	3.27
28	L8	Toxaphene{A}			----------NA----------				
29	L8	Toxaphene{B}			----------NA----------				
30	L8	Toxaphene{C}			----------NA----------				
31	L8	Toxaphene{D}			----------NA----------				
32	L8	Toxaphene{E}			----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	110	-0.01	2.27-	3.27
34		Chlordane {A}			----------NA----------				
35		Chlordane {B}			----------NA----------				
36		Chlordane {C}			----------NA----------				
37		Chlordane {D}			----------NA----------				
38		Chlordane {E}			----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
8g62730.d 8PSTLVI2596a.M Tue Dec 03 12:55:50 2024

Continuing Calibration Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G8G2702-CC2596
Lab FileID: 8G62795A.D

Evaluate Continuing Calibration Report

Signal #1 : X:\Dayton SVOA GC\8....2\8g62795a.d\ECD1A.ch Vial: 4
Signal #2 : X:\Dayton SVOA GC\8. GC ...g2702\8g62795a.d\ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm Operator: kyrac
Sample : cc2596-5 Inst : GC8G
Misc : op59740,g8g2702,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : X:\Dayton SVOA G...2\8PSTLVI2596a.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Mon Dec 02 07:28:52 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	113	0.00	1.91- 2.91
2	SAB	Tetrachloro-m-xylene	0.965	1.058	-9.6	122	0.00	2.93- 2.99
3		hexachlorobenzene	1.520	1.735	-14.1	131	0.00	3.27- 3.33
		---------- True Calc. % Drift ----------						
4	A	alpha-BHC	5.000	5.581	-11.6	128	0.00	3.42- 3.48
		---------- AvgRF CCRF % Dev ----------						
5	MA	gamma-BHC	1.262	1.548	-22.7#	127	0.00	3.73- 3.79
6	MA	Heptachlor	1.301	1.549	-19.1	132	0.00	4.26- 4.32
7	B	beta-BHC	0.596	0.680	-14.1	131	0.00	3.81- 3.87
8	B	delta-BHC	1.267	1.611	-27.2#	131	0.00	4.01- 4.07
9	MB	Aldrin	1.150	1.389	-20.8#	128	0.00	4.62- 4.68
10		alachlor	0.172	0.182	-5.8	126	0.00	4.77- 4.83
11	B	Heptachlor Epoxide	1.134	1.309	-15.4	128	0.00	5.39- 5.45
12	B	gamma-Chlordane	1.209	1.360	-12.5	129	0.00	5.57- 5.63
13	B	alpha-Chlordane	1.126	1.354	-20.2#	131	0.00	5.75- 5.81
14	A	Endosulfan I	1.052	1.248	-18.6	132	0.00	5.95- 6.01
15	B	4,4'-DDE	1.152	1.409	-22.3#	132	0.00	5.85- 5.91
16	MA	Dieldrin	1.146	1.358	-18.5	130	0.00	6.29- 6.35
17	MA	Endrin	0.903	1.234	-36.7#	149	0.00	6.63- 6.69
18	A	4,4'-DDD	0.965	1.116	-15.6	130	0.00	6.74- 6.80
19	B	Endosulfan II	1.008	1.163	-15.4	128	0.00	6.97- 7.03
20	MA	4,4'-DDT	0.974	1.130	-16.0	125	-0.01	7.18- 7.24
21	B	Endrin Aldehyde	0.828	0.895	-8.1	129	0.00	7.63- 7.69
22	B	Endosulfan Sulfate	0.937	1.044	-11.4	127	-0.01	8.35- 8.41
23	A	Methoxychlor	0.566	0.586	-3.5	123	0.00	7.97- 8.03
24		Mirex	0.859	0.927	-7.9	130	-0.01	8.17- 8.23
25	B	Endrin Ketone	1.187	1.254	-5.6	123	-0.01	8.81- 8.87
26	SA	Decachlorobiphenyl	0.928	0.991	-6.8	123	-0.01	10.59-10.65
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	132	0.00	1.91- 2.91
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	123	0.00	1.91- 2.91
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				

Continuing Calibration Summary

Job Number: JE1300 **Sample:** G8G2702-CC2596
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 8G62795A.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

36		Chlordane {C}			----------NA----------				
37		Chlordane {D}			----------NA----------				
38		Chlordane {E}			----------NA----------				
*****		Signal #2 *****							
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	109	0.00	2.28- 3.28	
2	SAB	Tetrachloro-m-xylene	1.225	1.187	3.1	107	0.00	3.63- 3.69	
3		hexachlorobenzene	1.304	1.230	5.7	112	0.00	4.20- 4.26	
4	A	alpha-BHC	1.522	1.592	-4.6	112	0.00	4.36- 4.42	
5	MA	gamma-BHC	1.346	1.385	-2.9	113	0.00	4.84- 4.90	
6	MA	Heptachlor	1.189	1.209	-1.7	113	0.00	5.50- 5.56	
7	B	beta-BHC	0.687	0.681	0.9	119	0.00	4.93- 4.99	
8	B	delta-BHC	1.304	1.389	-6.5	116	0.00	5.38- 5.44	
9	MB	Aldrin	1.231	1.248	-1.4	111	0.00	6.01- 6.07	
10		alachlor	0.184	0.167	9.2	108	0.00	5.75- 5.81	
11	B	Heptachlor Epoxide	1.163	1.177	-1.2	112	0.00	6.90- 6.96	
12	B	gamma-Chlordane	1.150	1.192	-3.7	113	0.00	7.20- 7.26	
13	B	alpha-Chlordane	1.142	1.167	-2.2	112	0.00	7.44- 7.50	
14	A	Endosulfan I	1.047	1.067	-1.9	111	0.00	7.56- 7.62	
15	B	4,4'-DDE	1.107	1.197	-8.1	118	0.00	7.70- 7.76	
16	MA	Dieldrin	1.184	1.199	-1.3	110	-0.01	8.01- 8.07	
17	MA	Endrin	0.853	0.958	-12.3	122	0.00	8.55- 8.61	
18	A	4,4'-DDD	0.973	0.961	1.2	113	0.00	8.69- 8.75	
19	B	Endosulfan II	0.989	0.948	4.1	104	0.00	8.91- 8.97	
20	MA	4,4'-DDT	0.805	0.821	-2.0	107	0.00	9.25- 9.31	
21	B	Endrin Aldehyde	0.777	0.709	8.8	108	0.00	9.50- 9.56	
22	B	Endosulfan Sulfate	0.894	0.830	7.2	102	0.00	9.98-10.04	
23	A	Methoxychlor	0.400	0.375	6.3	104	0.00	10.48-10.54	
24		Mirex	0.573	0.580	-1.2	93	0.00	10.91-10.97	
25	B	Endrin Ketone	1.222	1.000	18.2	93	0.00	10.94-11.00	
26	SA	Decachlorobiphenyl	0.693	0.584	15.7	90	0.00	12.97-13.03	
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	120	0.00	2.28- 3.28	
28	L8	Toxaphene{A}			----------NA----------				
29	L8	Toxaphene{B}			----------NA----------				
30	L8	Toxaphene{C}			----------NA----------				
31	L8	Toxaphene{D}			----------NA----------				
32	L8	Toxaphene{E}			----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	111	0.00	2.28- 3.28	
34		Chlordane {A}			----------NA----------				
35		Chlordane {B}			----------NA----------				
36		Chlordane {C}			----------NA----------				
37		Chlordane {D}			----------NA----------				
38		Chlordane {E}			----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
8g62730.d 8PSTLVI2596a.M Wed Dec 04 18:44:30 2024

Initial Calibration Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL343-ICC343
Lab FileID: RL15612.D

Response Factor Report GCRL

Method : C:\msdchem\1\met...pcblvigcrl343a.m (ChemStation Integrator)
Title :
Last Update : Mon Apr 29 20:33:49 2024
Response via : Initial Calibration

Calibration Files
50 =RL15608.D 250 =RL15610.D 500 =RL15611.D 1000=RL15612.D
2000=RL15613.D 3000=RL15614.D 5000=RL15615.D 10k =RL15616.D
20k =RL15617.D 100 =RL15609.D = =

Compound	50	250	500	1000	2000	3000	5000	10k	20k	100	Avg	%RSD
1) Tetrachloro-m-xylene	2.139	2.110	2.322	2.087	2.120	2.227				2.252	2.180 E8	4.03
2) AR1221-A			1.641								1.641 E6	0.00
3) AR1221-B			2.317								2.317 E6	0.00
4) AR1221-C			6.262								6.262 E6	0.00
5) AR1221-D			1.131								1.131 E6	0.00
6) AR1221-E			1.465								1.465 E6	0.00
7) AR1232-A			5.322								5.322 E6	0.00
8) AR1232-B			3.540								3.540 E6	0.00
9) AR1232-C			7.399								7.399 E6	0.00
10) AR1232-D			2.880								2.880 E6	0.00
11) AR1232-E			2.597								2.597 E6	0.00
12) AR1242-A			6.180								6.180 E6	0.00
13) AR1242-B			1.312								1.312 E7	0.00
14) AR1242-C			5.235								5.235 E6	0.00
15) AR1242-D			3.954								3.954 E6	0.00
16) AR1242-E			4.474								4.474 E6	0.00
17) AR1248-A			2.776								2.776 E6	0.00
18) AR1248-B			7.946								7.946 E6	0.00
19) AR1248-C			4.769								4.769 E6	0.00
20) AR1248-D			4.198								4.198 E6	0.00
21) AR1248-E			3.757								3.757 E6	0.00
22) AR1248-F			7.422								7.422 E6	0.00
23) AR1248-G												

Initial Calibration Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL343-ICC343
Lab FileID: RL15612.D

		6.237									6.237 E6	0.00
24)	AR1254-A												
		6.642									6.642 E6	0.00
25)	AR1254-B												
		1.204									1.204 E7	0.00
26)	AR1254-C												
		7.173									7.173 E6	0.00
27)	AR1254-D												
		1.260									1.260 E7	0.00
28)	AR1254-E												
		9.726									9.726 E6	0.00
29)	AR1254-F												
		9.137									9.137 E6	0.00
30)	AR1254-G												
		1.279									1.279 E7	0.00
31)	AR1262-A												
		1.078									1.078 E7	0.00
32)	AR1262-B												
		1.456									1.456 E7	0.00
33)	AR1262-C												
		1.174									1.174 E7	0.00
34)	AR1262-D												
		2.751									2.751 E7	0.00
35)	AR1262-E												
		2.864									2.864 E7	0.00
36)	AR1268-A												
		3.105									3.105 E7	0.00
37)	AR1268-B												
		2.879									2.879 E7	0.00
38)	AR1268-C												
		2.302									2.302 E7	0.00
39)	AR1268-D												
		9.768									9.768 E6	0.00
40)	AR1268-E												
		6.918									6.918 E7	0.00
41)	AR1016-A												
	4.264	4.052	3.744	3.880	3.424	3.438	3.573	3.699	3.495	4.711	3.828 E6	10.80
42)	AR1016-B												
	8.012	8.027	7.569	7.887	6.941	6.955	7.234	7.507	7.111	8.873	7.612 E6	7.94
43)	AR1016-C												
	1.671	1.698	1.614	1.713	1.509	1.518	1.586	1.658	1.586	1.903	1.646 E7	6.94
44)	AR1016-D												
	7.944	6.959	6.556	6.826	6.256	6.046	6.297	6.488	6.367	8.285	6.802 E6	10.96
45)	AR1016-E												
	7.183	7.055	6.683	7.023	6.247	6.281	6.608	6.780	6.353	8.003	6.822 E6	7.77
46)	AR1260-A												
	1.550	1.561	1.488	1.566	1.385	1.390	1.449	1.508	1.435	1.726	1.506 E7	6.78
47)	AR1260-B												
	1.037	1.060	1.003	1.069	0.891	0.952	1.001	1.041	0.990	1.093	1.014 E7	5.92
48)	AR1260-C												
	0.881	0.930	0.903	0.968	0.866	0.872	0.917	0.938	0.911	1.003	0.919 E7	4.68
49)	AR1260-D												
	2.054	2.211	2.146	2.310	2.071	2.102	2.235	2.420	1.937	2.331	2.182 E7	6.76
50)	AR1260-E												
	2.185	2.223	2.157	2.310	2.063	2.103	2.217	2.340	2.242	2.487	2.233 E7	5.51
51)	Decachlorobiphenyl												
		1.518	1.423	1.487	1.304	1.305	1.348			1.891	1.468 E8	13.95

Signal #2

Initial Calibration Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL343-ICC343
Lab FileID: RL15612.D

1)	Tetrachloro-m-xylene								
		1.432	1.438	1.583	1.457	1.489	1.585	1.556	1.506 E8	4.49
2)	AR1221-A									
				1.060					1.060 E6	0.00
3)	AR1221-B									
				1.579					1.579 E6	0.00
4)	AR1221-C									
				4.351					4.351 E6	0.00
5)	AR1221-D									
				1.191					1.191 E6	0.00
6)	AR1221-E									
				8.198					8.198 E5	0.00
7)	AR1232-A									
				3.082					3.082 E6	0.00
8)	AR1232-B									
				2.339					2.339 E6	0.00
9)	AR1232-C									
				5.146					5.146 E6	0.00
10)	AR1232-D									
				1.933					1.933 E6	0.00
11)	AR1232-E									
				1.391					1.391 E6	0.00
12)	AR1242-A									
				4.260					4.260 E6	0.00
13)	AR1242-B									
				9.860					9.860 E6	0.00
14)	AR1242-C									
				3.593					3.593 E6	0.00
15)	AR1242-D									
				2.942					2.942 E6	0.00
16)	AR1242-E									
				3.571					3.571 E6	0.00
17)	AR1248-A									
				1.891					1.891 E6	0.00
18)	AR1248-B									
				5.798					5.798 E6	0.00
19)	AR1248-C									
				3.608					3.608 E6	0.00
20)	AR1248-D									
				4.785					4.785 E6	0.00
21)	AR1248-E									
				4.347					4.347 E6	0.00
22)	AR1248-F									
				6.468					6.468 E6	0.00
23)	AR1248-G									
				5.895					5.895 E6	0.00
24)	AR1254-A									
				5.798					5.798 E6	0.00
25)	AR1254-B									
				6.898					6.898 E6	0.00
26)	AR1254-C									
				4.806					4.806 E6	0.00
27)	AR1254-D									
				1.073					1.073 E7	0.00
28)	AR1254-E									
				8.537					8.537 E6	0.00
29)	AR1254-F									
				7.764					7.764 E6	0.00
30)	AR1254-G									
				9.950					9.950 E6	0.00

Initial Calibration Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL343-ICC343
Lab FileID: RL15612.D

```
31)  AR1262-A
                          8.633                                    8.633 E6    0.00
32)  AR1262-B
                          1.263                                    1.263 E7    0.00
33)  AR1262-C
                          9.803                                    9.803 E6    0.00
34)  AR1262-D
                          2.086                                    2.086 E7    0.00
35)  AR1262-E
                          2.188                                    2.188 E7    0.00
36)  AR1268-A
                          2.505                                    2.505 E7    0.00
37)  AR1268-B
                          2.163                                    2.163 E7    0.00
38)  AR1268-C
                          1.756                                    1.756 E7    0.00
39)  AR1268-D
                          7.384                                    7.384 E6    0.00
40)  AR1268-E
                          5.255                                    5.255 E7    0.00
41)  AR1016-A
          2.500 2.653 2.466 2.718 2.435 2.415 2.535 2.669 2.520 2.758  2.567 E6    4.78
42)  AR1016-B
          4.939 5.348 5.178 5.544 4.994 5.065 5.318 5.556 5.239 5.925  5.310 E6    5.66
43)  AR1016-C
          1.213 1.246 1.238 1.323 1.185 1.199 1.255 1.310 1.237 1.398  1.260 E7    5.16
44)  AR1016-D
          4.490 4.690 4.535 4.847 4.345 4.391 4.610 4.804 4.526 4.872  4.611 E6    4.05
45)  AR1016-E
          3.380 3.849 3.611 3.855 3.487 3.533 3.711 3.861 3.621 4.388  3.730 E6    7.62
46)  AR1260-A
          1.178 1.093 1.060 1.153 1.037 1.049 1.109 1.171 1.114 1.134  1.110 E7    4.52
47)  AR1260-B
          7.479 8.433 8.327 8.973 8.105 8.209 8.683 9.199 8.775 9.381  8.556 E6    6.61
48)  AR1260-C
          9.074 8.085 7.765 8.360 7.593 7.713 8.190 8.700 8.293 8.928  8.270 E6    6.16
49)  AR1260-D
          1.838 1.863 1.828 1.946 1.754 1.786 1.907 2.045 1.742 2.012  1.872 E7    5.57
50)  AR1260-E
          1.700 1.687 1.727 1.795 1.610 1.634 1.734 1.855 1.787 1.888  1.742 E7    5.17
51)  Decachlorobiphenyl
                1.198 1.100 1.107 0.970 0.974 1.021            1.475  1.121 E8   15.71
-------------------------------------------------------------------------------
(#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          pcblvigcrl343a.m        Mon Apr 29 20:51:31 2024
```

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL343-ICV343
Lab FileID: RL15618.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\msdchem\1\data\grl343\RL15618.D\ECD1A.ch  Vial: 31
Signal #2 : C:\msdchem\1\data\grl343\RL15618.D\ECD2B.ch
Acq On    : 29 Apr 2024  05:04 am                    Operator: christp
Sample    : icv343-100                               Inst    : GCRL
Misc      : op54010,grl343,5.1,,,10,1                Multiplr: 1.00
IntFile Signal #1: autoint1.e   IntFile Signal #2: autoint2.e

Method       : C:\msdchem\1\met...pcblvigcrl343a.m (ChemStation Integrator)
Title        :
Last Update  : Mon Apr 29 20:33:49 2024
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.10min
Max. RRF Dev :  20%     Max. Rel. Area : 150%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	217.958	236.951 E6	-8.7	102	0.00	3.89- 3.95
2		AR1221-A		----------NA----------				
3		AR1221-B		----------NA----------				
4		AR1221-C		----------NA----------				
5		AR1221-D		----------NA----------				
6		AR1221-E		----------NA----------				
7		AR1232-A		----------NA----------				
8		AR1232-B		----------NA----------				
9		AR1232-C		----------NA----------				
10		AR1232-D		----------NA----------				
11		AR1232-E		----------NA----------				
12		AR1242-A		----------NA----------				
13		AR1242-B		----------NA----------				
14		AR1242-C		----------NA----------				
15		AR1242-D		----------NA----------				
16		AR1242-E		----------NA----------				
17		AR1248-A		----------NA----------				
18		AR1248-B		----------NA----------				
19		AR1248-C		----------NA----------				
20		AR1248-D		----------NA----------				
21		AR1248-E		----------NA----------				
22		AR1248-F		----------NA----------				
23		AR1248-G		----------NA----------				
24		AR1254-A		----------NA----------				
25		AR1254-B		----------NA----------				
26		AR1254-C		----------NA----------				
27		AR1254-D		----------NA----------				
28		AR1254-E		----------NA----------				
29		AR1254-F		----------NA----------				
30		AR1254-G		----------NA----------				
31		AR1262-A		----------NA----------				
32		AR1262-B		----------NA----------				
33		AR1262-C		----------NA----------				
34		AR1262-D		----------NA----------				
35		AR1262-E		----------NA----------				
36		AR1268-A		----------NA----------				
37		AR1268-B		----------NA----------				
38		AR1268-C		----------NA----------				
39		AR1268-D		----------NA----------				
40		AR1268-E		----------NA----------				
41		AR1016-A	3.828	3.613 E6	5.6	93	0.00	4.19- 4.25

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL343-ICV343
Lab FileID: RL15618.D

42		AR1016-B	7.612	7.803	E6	-2.5	99	0.00	4.49- 4.55
43		AR1016-C	16.456	16.744	E6	-1.8	98	0.00	4.89- 4.95
44		AR1016-D	6.802	6.681	E6	1.8	98	0.00	5.01- 5.07
45		AR1016-E	6.822	6.675	E6	2.2	95	0.00	5.41- 5.48
46		AR1260-A	15.058	15.462	E6	-2.7	99	0.00	7.43- 7.49
47		AR1260-B	10.137	8.591	E6	15.3	80	0.00	7.92- 7.98
48		AR1260-C	9.189	7.846	E6	14.6	81	0.00	8.19- 8.26
49		AR1260-D	21.816	18.919	E6	13.3	82	0.00	8.53- 8.59
50		AR1260-E	22.328	18.020	E6	19.3	78	0.00	8.81- 8.87
51	S	Decachlorobiphenyl	146.814	166.157	E6	-13.2	112	0.00	9.79- 9.86
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	150.553	162.561	E6	-8.0	103	0.00	4.30- 4.36
2		AR1221-A		----------NA----------					
3		AR1221-B		----------NA----------					
4		AR1221-C		----------NA----------					
5		AR1221-D		----------NA----------					
6		AR1221-E		----------NA----------					
7		AR1232-A		----------NA----------					
8		AR1232-B		----------NA----------					
9		AR1232-C		----------NA----------					
10		AR1232-D		----------NA----------					
11		AR1232-E		----------NA----------					
12		AR1242-A		----------NA----------					
13		AR1242-B		----------NA----------					
14		AR1242-C		----------NA----------					
15		AR1242-D		----------NA----------					
16		AR1242-E		----------NA----------					
17		AR1248-A		----------NA----------					
18		AR1248-B		----------NA----------					
19		AR1248-C		----------NA----------					
20		AR1248-D		----------NA----------					
21		AR1248-E		----------NA----------					
22		AR1248-F		----------NA----------					
23		AR1248-G		----------NA----------					
24		AR1254-A		----------NA----------					
25		AR1254-B		----------NA----------					
26		AR1254-C		----------NA----------					
27		AR1254-D		----------NA----------					
28		AR1254-E		----------NA----------					
29		AR1254-F		----------NA----------					
30		AR1254-G		----------NA----------					
31		AR1262-A		----------NA----------					
32		AR1262-B		----------NA----------					
33		AR1262-C		----------NA----------					
34		AR1262-D		----------NA----------					
35		AR1262-E		----------NA----------					
36		AR1268-A		----------NA----------					
37		AR1268-B		----------NA----------					
38		AR1268-C		----------NA----------					
39		AR1268-D		----------NA----------					
40		AR1268-E		----------NA----------					
41		AR1016-A	2.567	2.488	E6	3.1	92	0.00	4.75- 4.81
42		AR1016-B	5.310	5.458	E6	-2.8	98	0.00	5.15- 5.21
43		AR1016-C	12.604	12.715	E6	-0.9	96	0.00	5.66- 5.72
44		AR1016-D	4.611	4.606	E6	0.1	95	0.00	5.83- 5.89
45		AR1016-E	3.730	3.693	E6	1.0	96	0.00	6.49- 6.55
46		AR1260-A	11.098	11.138	E6	-0.4	97	0.00	8.47- 8.53
47		AR1260-B	8.556	7.116	E6	16.8	79	0.00	8.94- 9.00

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL343-ICV343
Lab FileID: RL15618.D

48		AR1260-C	8.270	6.984	E6	15.6	84	0.00	9.22- 9.28
49		AR1260-D	18.723	15.920	E6	15.0	82	0.00	9.44- 9.50
50		AR1260-E	17.416	13.882	E6	20.3#	77	0.00	9.76- 9.82
51	S	Decachlorobiphenyl	112.075	121.443	E6	-8.4	110	0.00	10.71-10.77

(#) = Out of Range SPCC's out = 0 CCC's out = 0
RL15612.D pcblvigcrl343a.m Mon Apr 29 20:50:16 2024

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL343-ICV343
Lab FileID: RL15626.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\grl343\RL15626.D\ECD1A.ch Vial: 39
Signal #2 : C:\msdchem\1\data\grl343\RL15626.D\ECD2B.ch
Acq On : 29 Apr 2024 07:19 am Operator: christp
Sample : icv343-100 Inst : GCRL
Misc : op54010,grl343,5.1,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\met...pcblvigcrl343a.m (ChemStation Integrator)
Title :
Last Update : Mon Apr 29 13:50:45 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 S	Tetrachloro-m-xylene	217.958	224.922 E6	-3.2	97	0.00	3.89- 3.95
2	AR1221-A	1.641	1.412 E6	14.0	86	0.00	3.38- 3.58
3	AR1221-B	2.317	1.953 E6	15.7	84	0.00	3.96- 4.16
4	AR1221-C	6.262	4.929 E6	21.3#	79	0.00	4.12- 4.32
5	AR1221-D	1.131	0.985 E6	12.9	87	0.00	4.42- 4.62
6	AR1221-E	1.465	0.992 E6	32.3#	68	0.02	4.82- 5.02
7	AR1232-A		----------NA----------				
8	AR1232-B		----------NA----------				
9	AR1232-C		----------NA----------				
10	AR1232-D		----------NA----------				
11	AR1232-E		----------NA----------				
12	AR1242-A		----------NA----------				
13	AR1242-B		----------NA----------				
14	AR1242-C		----------NA----------				
15	AR1242-D		----------NA----------				
16	AR1242-E		----------NA----------				
17	AR1248-A		----------NA----------				
18	AR1248-B		----------NA----------				
19	AR1248-C		----------NA----------				
20	AR1248-D		----------NA----------				
21	AR1248-E		----------NA----------				
22	AR1248-F		----------NA----------				
23	AR1248-G		----------NA----------				
24	AR1254-A		----------NA----------				
25	AR1254-B		----------NA----------				
26	AR1254-C		----------NA----------				
27	AR1254-D		----------NA----------				
28	AR1254-E		----------NA----------				
29	AR1254-F		----------NA----------				
30	AR1254-G		----------NA----------				
31	AR1262-A		----------NA----------				
32	AR1262-B		----------NA----------				
33	AR1262-C		----------NA----------				
34	AR1262-D		----------NA----------				
35	AR1262-E		----------NA----------				
36	AR1268-A		----------NA----------				
37	AR1268-B		----------NA----------				
38	AR1268-C		----------NA----------				
39	AR1268-D		----------NA----------				
40	AR1268-E		----------NA----------				
41	AR1016-A		----------NA----------				

10.10.17
10

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL343-ICV343
Lab FileID: RL15626.D

42		AR1016-B			----------NA----------				
43		AR1016-C			----------NA----------				
44		AR1016-D			----------NA----------				
45		AR1016-E			----------NA----------				
46		AR1260-A			----------NA----------				
47		AR1260-B			----------NA----------				
48		AR1260-C			----------NA----------				
49		AR1260-D			----------NA----------				
50		AR1260-E			----------NA----------				
51	S	Decachlorobiphenyl	146.814	147.582 E6	-0.5	99	0.01	9.80-	9.87
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	150.553	147.554 E6	2.0	93	0.00	4.30-	4.36
2		AR1221-A	1.060	1.051 E6	0.8	99	0.00	3.89-	3.95
3		AR1221-B	1.579	1.332 E6	15.6	84	0.00	4.50-	4.70
4		AR1221-C	4.351	3.431 E6	21.1#	79	0.00	4.69-	4.89
5		AR1221-D	1.191	1.057 E6	11.3	89	0.00	5.14-	5.34
6		AR1221-E	819.844	710.372 E3	13.4	87	0.00	5.59-	5.79
7		AR1232-A			----------NA----------				
8		AR1232-B			----------NA----------				
9		AR1232-C			----------NA----------				
10		AR1232-D			----------NA----------				
11		AR1232-E			----------NA----------				
12		AR1242-A			----------NA----------				
13		AR1242-B			----------NA----------				
14		AR1242-C			----------NA----------				
15		AR1242-D			----------NA----------				
16		AR1242-E			----------NA----------				
17		AR1248-A			----------NA----------				
18		AR1248-B			----------NA----------				
19		AR1248-C			----------NA----------				
20		AR1248-D			----------NA----------				
21		AR1248-E			----------NA----------				
22		AR1248-F			----------NA----------				
23		AR1248-G			----------NA----------				
24		AR1254-A			----------NA----------				
25		AR1254-B			----------NA----------				
26		AR1254-C			----------NA----------				
27		AR1254-D			----------NA----------				
28		AR1254-E			----------NA----------				
29		AR1254-F			----------NA----------				
30		AR1254-G			----------NA----------				
31		AR1262-A			----------NA----------				
32		AR1262-B			----------NA----------				
33		AR1262-C			----------NA----------				
34		AR1262-D			----------NA----------				
35		AR1262-E			----------NA----------				
36		AR1268-A			----------NA----------				
37		AR1268-B			----------NA----------				
38		AR1268-C			----------NA----------				
39		AR1268-D			----------NA----------				
40		AR1268-E			----------NA----------				
41		AR1016-A			----------NA----------				
42		AR1016-B			----------NA----------				
43		AR1016-C			----------NA----------				
44		AR1016-D			----------NA----------				
45		AR1016-E			----------NA----------				
46		AR1260-A			----------NA----------				
47		AR1260-B			----------NA----------				

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL343-ICV343
Lab FileID: RL15626.D

48		AR1260-C				----------NA----------			
49		AR1260-D				----------NA----------			
50		AR1260-E				----------NA----------			
51	S	Decachlorobiphenyl	112.075	109.264	E6	2.5	99	0.03	10.74-10.80

(#) = Out of Range SPCC's out = 0 CCC's out = 0
RL15612.D pcblvigcrl343a.m Mon Apr 29 13:55:20 2024

10.10.17
10

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL343-ICV343
Lab FileID: RL15627.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\grl343\RL15627.D\ECD1A.ch Vial: 40
Signal #2 : C:\msdchem\1\data\grl343\RL15627.D\ECD2B.ch
Acq On : 29 Apr 2024 07:36 am Operator: christp
Sample : icv343-100 Inst : GCRL
Misc : op54010,grl343,5.1,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\met...pcblvigcrl343a.m (ChemStation Integrator)
Title :
Last Update : Mon Apr 29 13:50:45 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	217.958	207.971 E6	4.6	90	0.00	3.89- 3.95
2		AR1221-A		----------NA----------				
3		AR1221-B		----------NA----------				
4		AR1221-C		----------NA----------				
5		AR1221-D		----------NA----------				
6		AR1221-E		----------NA----------				
7		AR1232-A		----------NA----------				
8		AR1232-B		----------NA----------				
9		AR1232-C		----------NA----------				
10		AR1232-D		----------NA----------				
11		AR1232-E		----------NA----------				
12		AR1242-A		----------NA----------				
13		AR1242-B		----------NA----------				
14		AR1242-C		----------NA----------				
15		AR1242-D		----------NA----------				
16		AR1242-E		----------NA----------				
17		AR1248-A		----------NA----------				
18		AR1248-B		----------NA----------				
19		AR1248-C		----------NA----------				
20		AR1248-D		----------NA----------				
21		AR1248-E		----------NA----------				
22		AR1248-F		----------NA----------				
23		AR1248-G		----------NA----------				
24		AR1254-A	6.642	6.036 E6	9.1	91	0.00	5.77- 5.97
25		AR1254-B	12.041	10.927 E6	9.3	91	0.00	6.10- 6.30
26		AR1254-C	7.173	6.434 E6	10.3	90	0.00	6.50- 6.70
27		AR1254-D	12.604	11.295 E6	10.4	90	0.00	6.70- 6.90
28		AR1254-E	9.726	8.726 E6	10.3	90	0.00	7.11- 7.31
29		AR1254-F	9.137	8.417 E6	7.9	92	0.00	7.36- 7.56
30		AR1254-G	12.789	11.612 E6	9.2	91	0.00	7.72- 7.92
31		AR1262-A		----------NA----------				
32		AR1262-B		----------NA----------				
33		AR1262-C		----------NA----------				
34		AR1262-D		----------NA----------				
35		AR1262-E		----------NA----------				
36		AR1268-A		----------NA----------				
37		AR1268-B		----------NA----------				
38		AR1268-C		----------NA----------				
39		AR1268-D		----------NA----------				
40		AR1268-E		----------NA----------				
41		AR1016-A		----------NA----------				

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL343-ICV343
Lab FileID: RL15627.D

42		AR1016-B			----------NA----------				
43		AR1016-C			----------NA----------				
44		AR1016-D			----------NA----------				
45		AR1016-E			----------NA----------				
46		AR1260-A			----------NA----------				
47		AR1260-B			----------NA----------				
48		AR1260-C			----------NA----------				
49		AR1260-D			----------NA----------				
50		AR1260-E			----------NA----------				
51	S	Decachlorobiphenyl	146.814	148.244 E6	-1.0	100	0.02	9.80-	9.87
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	150.553	144.871 E6	3.8	92	0.00	4.30-	4.36
2		AR1221-A			----------NA----------				
3		AR1221-B			----------NA----------				
4		AR1221-C			----------NA----------				
5		AR1221-D			----------NA----------				
6		AR1221-E			----------NA----------				
7		AR1232-A			----------NA----------				
8		AR1232-B			----------NA----------				
9		AR1232-C			----------NA----------				
10		AR1232-D			----------NA----------				
11		AR1232-E			----------NA----------				
12		AR1242-A			----------NA----------				
13		AR1242-B			----------NA----------				
14		AR1242-C			----------NA----------				
15		AR1242-D			----------NA----------				
16		AR1242-E			----------NA----------				
17		AR1248-A			----------NA----------				
18		AR1248-B			----------NA----------				
19		AR1248-C			----------NA----------				
20		AR1248-D			----------NA----------				
21		AR1248-E			----------NA----------				
22		AR1248-F			----------NA----------				
23		AR1248-G			----------NA----------				
24		AR1254-A	5.798	5.237 E6	9.7	90	0.00	7.10-	7.30
25		AR1254-B	6.898	6.165 E6	10.6	89	0.00	7.35-	7.55
26		AR1254-C	4.806	4.237 E6	11.8	88	0.00	7.82-	8.02
27		AR1254-D	10.728	9.523 E6	11.2	89	0.00	7.97-	8.17
28		AR1254-E	8.537	7.428 E6	13.0	87	0.00	8.22-	8.42
29		AR1254-F	7.764	6.934 E6	10.7	89	0.00	8.59-	8.79
30		AR1254-G	9.950	8.973 E6	9.8	90	0.00	8.79-	8.99
31		AR1262-A			----------NA----------				
32		AR1262-B			----------NA----------				
33		AR1262-C			----------NA----------				
34		AR1262-D			----------NA----------				
35		AR1262-E			----------NA----------				
36		AR1268-A			----------NA----------				
37		AR1268-B			----------NA----------				
38		AR1268-C			----------NA----------				
39		AR1268-D			----------NA----------				
40		AR1268-E			----------NA----------				
41		AR1016-A			----------NA----------				
42		AR1016-B			----------NA----------				
43		AR1016-C			----------NA----------				
44		AR1016-D			----------NA----------				
45		AR1016-E			----------NA----------				
46		AR1260-A			----------NA----------				
47		AR1260-B			----------NA----------				

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL343-ICV343
Lab FileID: RL15627.D

48		AR1260-C				----------NA----------			
49		AR1260-D				----------NA----------			
50		AR1260-E				----------NA----------			
51	S	Decachlorobiphenyl	112.075	105.258	E6	6.1	95	0.03	10.74-10.80

(#) = Out of Range SPCC's out = 0 CCC's out = 0
RL15612.D pcblvigcrl343a.m Mon Apr 29 13:55:33 2024

10.10.18 10

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL343-ICV343
Lab FileID: RL15628.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\grl343\RL15628.D\ECD1A.ch Vial: 41
Signal #2 : C:\msdchem\1\data\grl343\RL15628.D\ECD2B.ch
Acq On : 29 Apr 2024 07:53 am Operator: christp
Sample : icv343-100 Inst : GCRL
Misc : op54010,grl343,5.1,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\met...pcblvigcrl343a.m (ChemStation Integrator)
Title :
Last Update : Mon Apr 29 13:50:45 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	217.958	229.266 E6	-5.2	99	0.00	3.89- 3.95
2		AR1221-A		----------NA----------				
3		AR1221-B		----------NA----------				
4		AR1221-C		----------NA----------				
5		AR1221-D		----------NA----------				
6		AR1221-E		----------NA----------				
7		AR1232-A	5.322	4.869 E6	8.5	91	0.00	4.12- 4.32
8		AR1232-B	3.540	3.315 E6	6.4	94	0.00	4.42- 4.62
9		AR1232-C	7.399	6.972 E6	5.8	94	0.00	4.82- 5.02
10		AR1232-D	2.880	2.615 E6	9.2	91	0.00	4.94- 5.14
11		AR1232-E	2.597	2.463 E6	5.2	95	0.00	5.34- 5.54
12		AR1242-A		----------NA----------				
13		AR1242-B		----------NA----------				
14		AR1242-C		----------NA----------				
15		AR1242-D		----------NA----------				
16		AR1242-E		----------NA----------				
17		AR1248-A		----------NA----------				
18		AR1248-B		----------NA----------				
19		AR1248-C		----------NA----------				
20		AR1248-D		----------NA----------				
21		AR1248-E		----------NA----------				
22		AR1248-F		----------NA----------				
23		AR1248-G		----------NA----------				
24		AR1254-A		----------NA----------				
25		AR1254-B		----------NA----------				
26		AR1254-C		----------NA----------				
27		AR1254-D		----------NA----------				
28		AR1254-E		----------NA----------				
29		AR1254-F		----------NA----------				
30		AR1254-G		----------NA----------				
31		AR1262-A		----------NA----------				
32		AR1262-B		----------NA----------				
33		AR1262-C		----------NA----------				
34		AR1262-D		----------NA----------				
35		AR1262-E		----------NA----------				
36		AR1268-A		----------NA----------				
37		AR1268-B		----------NA----------				
38		AR1268-C		----------NA----------				
39		AR1268-D		----------NA----------				
40		AR1268-E		----------NA----------				
41		AR1016-A		----------NA----------				

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL343-ICV343
Lab FileID: RL15628.D

42		AR1016-B		----------NA----------					
43		AR1016-C		----------NA----------					
44		AR1016-D		----------NA----------					
45		AR1016-E		----------NA----------					
46		AR1260-A		----------NA----------					
47		AR1260-B		----------NA----------					
48		AR1260-C		----------NA----------					
49		AR1260-D		----------NA----------					
50		AR1260-E		----------NA----------					
51	S	Decachlorobiphenyl	146.814	155.056 E6	-5.6	104	0.02	9.80-	9.87
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	150.553	151.869 E6	-0.9	96	0.00	4.30-	4.36
2		AR1221-A		----------NA----------					
3		AR1221-B		----------NA----------					
4		AR1221-C		----------NA----------					
5		AR1221-D		----------NA----------					
6		AR1221-E		----------NA----------					
7		AR1232-A	3.082	2.860 E6	7.2	93	0.00	4.69-	4.89
8		AR1232-B	2.339	2.165 E6	7.4	93	0.00	5.08-	5.28
9		AR1232-C	5.146	4.816 E6	6.4	94	0.00	5.59-	5.79
10		AR1232-D	1.933	1.798 E6	7.0	93	0.00	5.76-	5.96
11		AR1232-E	1.391	1.315 E6	5.5	95	0.00	6.42-	6.62
12		AR1242-A		----------NA----------					
13		AR1242-B		----------NA----------					
14		AR1242-C		----------NA----------					
15		AR1242-D		----------NA----------					
16		AR1242-E		----------NA----------					
17		AR1248-A		----------NA----------					
18		AR1248-B		----------NA----------					
19		AR1248-C		----------NA----------					
20		AR1248-D		----------NA----------					
21		AR1248-E		----------NA----------					
22		AR1248-F		----------NA----------					
23		AR1248-G		----------NA----------					
24		AR1254-A		----------NA----------					
25		AR1254-B		----------NA----------					
26		AR1254-C		----------NA----------					
27		AR1254-D		----------NA----------					
28		AR1254-E		----------NA----------					
29		AR1254-F		----------NA----------					
30		AR1254-G		----------NA----------					
31		AR1262-A		----------NA----------					
32		AR1262-B		----------NA----------					
33		AR1262-C		----------NA----------					
34		AR1262-D		----------NA----------					
35		AR1262-E		----------NA----------					
36		AR1268-A		----------NA----------					
37		AR1268-B		----------NA----------					
38		AR1268-C		----------NA----------					
39		AR1268-D		----------NA----------					
40		AR1268-E		----------NA----------					
41		AR1016-A		----------NA----------					
42		AR1016-B		----------NA----------					
43		AR1016-C		----------NA----------					
44		AR1016-D		----------NA----------					
45		AR1016-E		----------NA----------					
46		AR1260-A		----------NA----------					
47		AR1260-B		----------NA----------					

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL343-ICV343
Lab FileID: RL15628.D

48		AR1260-C				----------NA----------			
49		AR1260-D				----------NA----------			
50		AR1260-E				----------NA----------			
51	S	Decachlorobiphenyl	112.075	110.882	E6	1.1	100	0.03	10.74-10.80

(#) = Out of Range SPCC's out = 0 CCC's out = 0
RL15612.D pcblvigcrl343a.m Mon Apr 29 20:29:52 2024

10.10.19 10

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL343-ICV343
Lab FileID: RL15629.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\grl343\RL15629.D\ECD1A.ch Vial: 42
Signal #2 : C:\msdchem\1\data\grl343\RL15629.D\ECD2B.ch
Acq On : 29 Apr 2024 08:09 am Operator: christp
Sample : icv343-100 Inst : GCRL
Misc : op54010,grl343,5.1,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\met...pcblvigcrl343a.m (ChemStation Integrator)
Title :
Last Update : Mon Apr 29 13:50:45 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	217.958	217.149 E6	0.4	94	0.00	3.89- 3.95
2		AR1221-A		----------NA----------				
3		AR1221-B		----------NA----------				
4		AR1221-C		----------NA----------				
5		AR1221-D		----------NA----------				
6		AR1221-E		----------NA----------				
7		AR1232-A		----------NA----------				
8		AR1232-B		----------NA----------				
9		AR1232-C		----------NA----------				
10		AR1232-D		----------NA----------				
11		AR1232-E		----------NA----------				
12		AR1242-A		----------NA----------				
13		AR1242-B		----------NA----------				
14		AR1242-C		----------NA----------				
15		AR1242-D		----------NA----------				
16		AR1242-E		----------NA----------				
17		AR1248-A		----------NA----------				
18		AR1248-B		----------NA----------				
19		AR1248-C		----------NA----------				
20		AR1248-D		----------NA----------				
21		AR1248-E		----------NA----------				
22		AR1248-F		----------NA----------				
23		AR1248-G		----------NA----------				
24		AR1254-A		----------NA----------				
25		AR1254-B		----------NA----------				
26		AR1254-C		----------NA----------				
27		AR1254-D		----------NA----------				
28		AR1254-E		----------NA----------				
29		AR1254-F		----------NA----------				
30		AR1254-G		----------NA----------				
31		AR1262-A	10.783	10.068 E6	6.6	93	0.00	7.36- 7.56
32		AR1262-B	14.564	13.662 E6	6.2	94	0.00	7.85- 8.05
33		AR1262-C	11.738	10.889 E6	7.2	93	0.00	8.13- 8.33
34		AR1262-D	27.514	25.377 E6	7.8	92	0.00	8.47- 8.67
35		AR1262-E	28.639	26.203 E6	8.5	91	0.00	8.78- 8.98
36		AR1268-A		----------NA----------				
37		AR1268-B		----------NA----------				
38		AR1268-C		----------NA----------				
39		AR1268-D		----------NA----------				
40		AR1268-E		----------NA----------				
41		AR1016-A		----------NA----------				

10.10.20 10

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL343-ICV343
Lab FileID: RL15629.D

42		AR1016-B			----------NA----------				
43		AR1016-C			----------NA----------				
44		AR1016-D			----------NA----------				
45		AR1016-E			----------NA----------				
46		AR1260-A			----------NA----------				
47		AR1260-B			----------NA----------				
48		AR1260-C			----------NA----------				
49		AR1260-D			----------NA----------				
50		AR1260-E			----------NA----------				
51	S	Decachlorobiphenyl	146.814	153.160 E6	-4.3	103	0.02	9.80-	9.87
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	150.553	149.247 E6	0.9	94	0.00	4.30-	4.36
2		AR1221-A			----------NA----------				
3		AR1221-B			----------NA----------				
4		AR1221-C			----------NA----------				
5		AR1221-D			----------NA----------				
6		AR1221-E			----------NA----------				
7		AR1232-A			----------NA----------				
8		AR1232-B			----------NA----------				
9		AR1232-C			----------NA----------				
10		AR1232-D			----------NA----------				
11		AR1232-E			----------NA----------				
12		AR1242-A			----------NA----------				
13		AR1242-B			----------NA----------				
14		AR1242-C			----------NA----------				
15		AR1242-D			----------NA----------				
16		AR1242-E			----------NA----------				
17		AR1248-A			----------NA----------				
18		AR1248-B			----------NA----------				
19		AR1248-C			----------NA----------				
20		AR1248-D			----------NA----------				
21		AR1248-E			----------NA----------				
22		AR1248-F			----------NA----------				
23		AR1248-G			----------NA----------				
24		AR1254-A			----------NA----------				
25		AR1254-B			----------NA----------				
26		AR1254-C			----------NA----------				
27		AR1254-D			----------NA----------				
28		AR1254-E			----------NA----------				
29		AR1254-F			----------NA----------				
30		AR1254-G			----------NA----------				
31		AR1262-A	8.633	7.998 E6	7.4	93	0.00	8.41-	8.61
32		AR1262-B	12.634	11.620 E6	8.0	92	0.00	8.87-	9.07
33		AR1262-C	9.803	9.015 E6	8.0	92	0.00	9.16-	9.36
34		AR1262-D	20.859	19.212 E6	7.9	92	0.00	9.37-	9.57
35		AR1262-E	21.880	20.082 E6	8.2	92	0.00	9.69-	9.89
36		AR1268-A			----------NA----------				
37		AR1268-B			----------NA----------				
38		AR1268-C			----------NA----------				
39		AR1268-D			----------NA----------				
40		AR1268-E			----------NA----------				
41		AR1016-A			----------NA----------				
42		AR1016-B			----------NA----------				
43		AR1016-C			----------NA----------				
44		AR1016-D			----------NA----------				
45		AR1016-E			----------NA----------				
46		AR1260-A			----------NA----------				
47		AR1260-B			----------NA----------				

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL343-ICV343
Lab FileID: RL15629.D

48		AR1260-C			----------NA----------			
49		AR1260-D			----------NA----------			
50		AR1260-E			----------NA----------			
51	S	Decachlorobiphenyl	112.075	109.750 E6	2.1	99	0.04	10.75-10.81

(#) = Out of Range SPCC's out = 0 CCC's out = 0
RL15612.D pcblvigcrl343a.m Mon Apr 29 20:30:05 2024

10.10.20 10

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL343-ICV343
Lab FileID: RL15630.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\grl343\RL15630.D\ECD1A.ch Vial: 43
Signal #2 : C:\msdchem\1\data\grl343\RL15630.D\ECD2B.ch
Acq On : 29 Apr 2024 08:26 am Operator: christp
Sample : icv343-100 Inst : GCRL
Misc : op54010,grl343,5.1,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\met...pcblvigcrl343a.m (ChemStation Integrator)
Title :
Last Update : Mon Apr 29 13:50:45 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 S	Tetrachloro-m-xylene	217.958	218.912 E6	-0.4	94	0.00	3.89- 3.95
2	AR1221-A		----------NA----------				
3	AR1221-B		----------NA----------				
4	AR1221-C		----------NA----------				
5	AR1221-D		----------NA----------				
6	AR1221-E		----------NA----------				
7	AR1232-A		----------NA----------				
8	AR1232-B		----------NA----------				
9	AR1232-C		----------NA----------				
10	AR1232-D		----------NA----------				
11	AR1232-E		----------NA----------				
12	AR1242-A		----------NA----------				
13	AR1242-B		----------NA----------				
14	AR1242-C		----------NA----------				
15	AR1242-D		----------NA----------				
16	AR1242-E		----------NA----------				
17	AR1248-A		----------NA----------				
18	AR1248-B		----------NA----------				
19	AR1248-C		----------NA----------				
20	AR1248-D		----------NA----------				
21	AR1248-E		----------NA----------				
22	AR1248-F		----------NA----------				
23	AR1248-G		----------NA----------				
24	AR1254-A		----------NA----------				
25	AR1254-B		----------NA----------				
26	AR1254-C		----------NA----------				
27	AR1254-D		----------NA----------				
28	AR1254-E		----------NA----------				
29	AR1254-F		----------NA----------				
30	AR1254-G		----------NA----------				
31	AR1262-A		----------NA----------				
32	AR1262-B		----------NA----------				
33	AR1262-C		----------NA----------				
34	AR1262-D		----------NA----------				
35	AR1262-E		----------NA----------				
36	AR1268-A	31.053	26.552 E6	14.5	86	0.00	8.79- 8.99
37	AR1268-B	28.786	24.863 E6	13.6	86	0.00	8.82- 9.02
38	AR1268-C	23.018	20.032 E6	13.0	87	0.00	9.01- 9.21
39	AR1268-D	9.768	8.395 E6	14.1	86	0.00	9.33- 9.53
40	AR1268-E	69.176	60.070 E6	13.2	87	0.00	9.58- 9.78
41	AR1016-A		----------NA----------				

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL343-ICV343
Lab FileID: RL15630.D

42		AR1016-B			----------NA----------				
43		AR1016-C			----------NA----------				
44		AR1016-D			----------NA----------				
45		AR1016-E			----------NA----------				
46		AR1260-A			----------NA----------				
47		AR1260-B			----------NA----------				
48		AR1260-C			----------NA----------				
49		AR1260-D			----------NA----------				
50		AR1260-E			----------NA----------				
51	S	Decachlorobiphenyl	146.814	429.090 E6	-192.3#	289#	0.02	9.81- 9.88	
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	150.553	153.003 E6	-1.6	97	0.00	4.30- 4.36	
2		AR1221-A			----------NA----------				
3		AR1221-B			----------NA----------				
4		AR1221-C			----------NA----------				
5		AR1221-D			----------NA----------				
6		AR1221-E			----------NA----------				
7		AR1232-A			----------NA----------				
8		AR1232-B			----------NA----------				
9		AR1232-C			----------NA----------				
10		AR1232-D			----------NA----------				
11		AR1232-E			----------NA----------				
12		AR1242-A			----------NA----------				
13		AR1242-B			----------NA----------				
14		AR1242-C			----------NA----------				
15		AR1242-D			----------NA----------				
16		AR1242-E			----------NA----------				
17		AR1248-A			----------NA----------				
18		AR1248-B			----------NA----------				
19		AR1248-C			----------NA----------				
20		AR1248-D			----------NA----------				
21		AR1248-E			----------NA----------				
22		AR1248-F			----------NA----------				
23		AR1248-G			----------NA----------				
24		AR1254-A			----------NA----------				
25		AR1254-B			----------NA----------				
26		AR1254-C			----------NA----------				
27		AR1254-D			----------NA----------				
28		AR1254-E			----------NA----------				
29		AR1254-F			----------NA----------				
30		AR1254-G			----------NA----------				
31		AR1262-A			----------NA----------				
32		AR1262-B			----------NA----------				
33		AR1262-C			----------NA----------				
34		AR1262-D			----------NA----------				
35		AR1262-E			----------NA----------				
36		AR1268-A	25.048	21.758 E6	13.1	87	0.00	9.69- 9.89	
37		AR1268-B	21.634	18.745 E6	13.4	87	0.00	9.73- 9.93	
38		AR1268-C	17.559	15.352 E6	12.6	87	0.00	9.96-10.16	
39		AR1268-D	7.384	6.249 E6	15.4	85	0.01	10.17-10.37	
40		AR1268-E	52.548	45.318 E6	13.8	86	0.02	10.45-10.65	
41		AR1016-A			----------NA----------				
42		AR1016-B			----------NA----------				
43		AR1016-C			----------NA----------				
44		AR1016-D			----------NA----------				
45		AR1016-E			----------NA----------				
46		AR1260-A			----------NA----------				
47		AR1260-B			----------NA----------				

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL343-ICV343
Lab FileID: RL15630.D

48		AR1260-C			----------NA----------			
49		AR1260-D			----------NA----------			
50		AR1260-E			----------NA----------			
51	S	Decachlorobiphenyl	112.075	306.588 E6	-173.6#	277#	0.04	10.75-10.81

(#) = Out of Range SPCC's out = 0 CCC's out = 0
RL15612.D pcblvigcrl343a.m Mon Apr 29 13:56:01 2024

10.10.21
10

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL343-ICV343
Lab FileID: RL15631.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\msdchem\1\data\grl343\RL15631.D\ECD1A.ch  Vial: 44
Signal #2 : C:\msdchem\1\data\grl343\RL15631.D\ECD2B.ch
Acq On    : 29 Apr 2024  08:43 am                    Operator: christp
Sample    : icv343-100                               Inst    : GCRL
Misc      : op54010,grl343,5.1,,,10,1                Multiplr: 1.00
IntFile Signal #1: autoint1.e   IntFile Signal #2: autoint2.e

Method       : C:\msdchem\1\met...pcblvigcrl343a.m (ChemStation Integrator)
Title        :
Last Update  : Mon Apr 29 13:50:45 2024
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.10min
Max. RRF Dev :  20%     Max. Rel. Area : 150%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	217.958	223.837 E6	-2.7	96	0.00	3.89- 3.95
2		AR1221-A		----------NA----------				
3		AR1221-B		----------NA----------				
4		AR1221-C		----------NA----------				
5		AR1221-D		----------NA----------				
6		AR1221-E		----------NA----------				
7		AR1232-A		----------NA----------				
8		AR1232-B		----------NA----------				
9		AR1232-C		----------NA----------				
10		AR1232-D		----------NA----------				
11		AR1232-E		----------NA----------				
12		AR1242-A	6.180	6.438 E6	-4.2	104	0.00	4.42- 4.62
13		AR1242-B	13.119	13.536 E6	-3.2	103	0.00	4.82- 5.02
14		AR1242-C	5.235	5.307 E6	-1.4	101	0.00	4.94- 5.14
15		AR1242-D	3.954	4.029 E6	-1.9	102	0.00	5.35- 5.55
16		AR1242-E	4.474	4.356 E6	2.6	97	0.00	5.86- 6.06
17		AR1248-A		----------NA----------				
18		AR1248-B		----------NA----------				
19		AR1248-C		----------NA----------				
20		AR1248-D		----------NA----------				
21		AR1248-E		----------NA----------				
22		AR1248-F		----------NA----------				
23		AR1248-G		----------NA----------				
24		AR1254-A		----------NA----------				
25		AR1254-B		----------NA----------				
26		AR1254-C		----------NA----------				
27		AR1254-D		----------NA----------				
28		AR1254-E		----------NA----------				
29		AR1254-F		----------NA----------				
30		AR1254-G		----------NA----------				
31		AR1262-A		----------NA----------				
32		AR1262-B		----------NA----------				
33		AR1262-C		----------NA----------				
34		AR1262-D		----------NA----------				
35		AR1262-E		----------NA----------				
36		AR1268-A		----------NA----------				
37		AR1268-B		----------NA----------				
38		AR1268-C		----------NA----------				
39		AR1268-D		----------NA----------				
40		AR1268-E		----------NA----------				
41		AR1016-A		----------NA----------				

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL343-ICV343
Lab FileID: RL15631.D

42		AR1016-B			----------NA----------				
43		AR1016-C			----------NA----------				
44		AR1016-D			----------NA----------				
45		AR1016-E			----------NA----------				
46		AR1260-A			----------NA----------				
47		AR1260-B			----------NA----------				
48		AR1260-C			----------NA----------				
49		AR1260-D			----------NA----------				
50		AR1260-E			----------NA----------				
51	S	Decachlorobiphenyl	146.814	152.328 E6	-3.8	102	0.02	9.81-	9.88
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	150.553	150.998 E6	-0.3	95	0.00	4.30-	4.36
2		AR1221-A			----------NA----------				
3		AR1221-B			----------NA----------				
4		AR1221-C			----------NA----------				
5		AR1221-D			----------NA----------				
6		AR1221-E			----------NA----------				
7		AR1232-A			----------NA----------				
8		AR1232-B			----------NA----------				
9		AR1232-C			----------NA----------				
10		AR1232-D			----------NA----------				
11		AR1232-E			----------NA----------				
12		AR1242-A	4.260	4.426 E6	-3.9	104	0.00	5.08-	5.28
13		AR1242-B	9.860	10.149 E6	-2.9	103	0.00	5.59-	5.79
14		AR1242-C	3.593	3.693 E6	-2.8	103	0.00	5.76-	5.96
15		AR1242-D	2.942	2.981 E6	-1.3	101	0.00	6.42-	6.62
16		AR1242-E	3.571	3.478 E6	2.6	97	0.00	7.10-	7.30
17		AR1248-A			----------NA----------				
18		AR1248-B			----------NA----------				
19		AR1248-C			----------NA----------				
20		AR1248-D			----------NA----------				
21		AR1248-E			----------NA----------				
22		AR1248-F			----------NA----------				
23		AR1248-G			----------NA----------				
24		AR1254-A			----------NA----------				
25		AR1254-B			----------NA----------				
26		AR1254-C			----------NA----------				
27		AR1254-D			----------NA----------				
28		AR1254-E			----------NA----------				
29		AR1254-F			----------NA----------				
30		AR1254-G			----------NA----------				
31		AR1262-A			----------NA----------				
32		AR1262-B			----------NA----------				
33		AR1262-C			----------NA----------				
34		AR1262-D			----------NA----------				
35		AR1262-E			----------NA----------				
36		AR1268-A			----------NA----------				
37		AR1268-B			----------NA----------				
38		AR1268-C			----------NA----------				
39		AR1268-D			----------NA----------				
40		AR1268-E			----------NA----------				
41		AR1016-A			----------NA----------				
42		AR1016-B			----------NA----------				
43		AR1016-C			----------NA----------				
44		AR1016-D			----------NA----------				
45		AR1016-E			----------NA----------				
46		AR1260-A			----------NA----------				
47		AR1260-B			----------NA----------				

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL343-ICV343
Lab FileID: RL15631.D

48		AR1260-C				----------NA----------			
49		AR1260-D				----------NA----------			
50		AR1260-E				----------NA----------			
51	S	Decachlorobiphenyl	112.075	111.816	E6	0.2	101	0.04	10.75-10.81

(#) = Out of Range SPCC's out = 0 CCC's out = 0
RL15612.D pcblvigcrl343a.m Mon Apr 29 13:56:14 2024

10.10.22
10

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL343-ICV343
Lab FileID: RL15632.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\grl343\RL15632.D\ECD1A.ch Vial: 45
Signal #2 : C:\msdchem\1\data\grl343\RL15632.D\ECD2B.ch
Acq On : 29 Apr 2024 09:00 am Operator: christp
Sample : icv343-100 Inst : GCRL
Misc : op54010,grl343,5.1,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\met...pcblvigcrl343a.m (ChemStation Integrator)
Title :
Last Update : Mon Apr 29 13:50:45 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	217.958	216.108 E6	0.8	93	0.02	3.91- 3.97
2		AR1221-A		----------NA----------				
3		AR1221-B		----------NA----------				
4		AR1221-C		----------NA----------				
5		AR1221-D		----------NA----------				
6		AR1221-E		----------NA----------				
7		AR1232-A		----------NA----------				
8		AR1232-B		----------NA----------				
9		AR1232-C		----------NA----------				
10		AR1232-D		----------NA----------				
11		AR1232-E		----------NA----------				
12		AR1242-A		----------NA----------				
13		AR1242-B		----------NA----------				
14		AR1242-C		----------NA----------				
15		AR1242-D		----------NA----------				
16		AR1242-E		----------NA----------				
17		AR1248-A	2.776	2.705 E6	2.6	97	0.02	4.43- 4.63
18		AR1248-B	7.946	7.670 E6	3.5	97	0.02	4.84- 5.04
19		AR1248-C	4.769	4.594 E6	3.7	96	0.02	5.13- 5.33
20		AR1248-D	4.198	4.080 E6	2.8	97	0.02	5.45- 5.65
21		AR1248-E	3.757	3.633 E6	3.3	97	0.02	5.74- 5.94
22		AR1248-F	7.422	7.239 E6	2.5	98	0.01	5.88- 6.08
23		AR1248-G	6.237	6.055 E6	2.9	97	0.02	6.13- 6.33
24		AR1254-A		----------NA----------				
25		AR1254-B		----------NA----------				
26		AR1254-C		----------NA----------				
27		AR1254-D		----------NA----------				
28		AR1254-E		----------NA----------				
29		AR1254-F		----------NA----------				
30		AR1254-G		----------NA----------				
31		AR1262-A		----------NA----------				
32		AR1262-B		----------NA----------				
33		AR1262-C		----------NA----------				
34		AR1262-D		----------NA----------				
35		AR1262-E		----------NA----------				
36		AR1268-A		----------NA----------				
37		AR1268-B		----------NA----------				
38		AR1268-C		----------NA----------				
39		AR1268-D		----------NA----------				
40		AR1268-E		----------NA----------				
41		AR1016-A		----------NA----------				

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL343-ICV343
Lab FileID: RL15632.D

42		AR1016-B			----------NA----------				
43		AR1016-C			----------NA----------				
44		AR1016-D			----------NA----------				
45		AR1016-E			----------NA----------				
46		AR1260-A			----------NA----------				
47		AR1260-B			----------NA----------				
48		AR1260-C			----------NA----------				
49		AR1260-D			----------NA----------				
50		AR1260-E			----------NA----------				
51	S	Decachlorobiphenyl	146.814	150.939 E6	-2.8	101	0.03	9.82-	9.89
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	150.553	149.418 E6	0.8	94	0.00	4.30-	4.36
2		AR1221-A			----------NA----------				
3		AR1221-B			----------NA----------				
4		AR1221-C			----------NA----------				
5		AR1221-D			----------NA----------				
6		AR1221-E			----------NA----------				
7		AR1232-A			----------NA----------				
8		AR1232-B			----------NA----------				
9		AR1232-C			----------NA----------				
10		AR1232-D			----------NA----------				
11		AR1232-E			----------NA----------				
12		AR1242-A			----------NA----------				
13		AR1242-B			----------NA----------				
14		AR1242-C			----------NA----------				
15		AR1242-D			----------NA----------				
16		AR1242-E			----------NA----------				
17		AR1248-A	1.891	1.860 E6	1.6	98	0.00	5.08-	5.28
18		AR1248-B	5.798	5.724 E6	1.3	99	0.00	5.56-	5.76
19		AR1248-C	3.608	3.520 E6	2.4	98	0.00	6.01-	6.21
20		AR1248-D	4.785	4.673 E6	2.3	98	0.00	6.42-	6.62
21		AR1248-E	4.347	4.232 E6	2.6	97	0.00	6.62-	6.82
22		AR1248-F	6.468	6.326 E6	2.2	98	0.00	7.10-	7.30
23		AR1248-G	5.895	5.750 E6	2.5	98	0.00	7.43-	7.63
24		AR1254-A			----------NA----------				
25		AR1254-B			----------NA----------				
26		AR1254-C			----------NA----------				
27		AR1254-D			----------NA----------				
28		AR1254-E			----------NA----------				
29		AR1254-F			----------NA----------				
30		AR1254-G			----------NA----------				
31		AR1262-A			----------NA----------				
32		AR1262-B			----------NA----------				
33		AR1262-C			----------NA----------				
34		AR1262-D			----------NA----------				
35		AR1262-E			----------NA----------				
36		AR1268-A			----------NA----------				
37		AR1268-B			----------NA----------				
38		AR1268-C			----------NA----------				
39		AR1268-D			----------NA----------				
40		AR1268-E			----------NA----------				
41		AR1016-A			----------NA----------				
42		AR1016-B			----------NA----------				
43		AR1016-C			----------NA----------				
44		AR1016-D			----------NA----------				
45		AR1016-E			----------NA----------				
46		AR1260-A			----------NA----------				
47		AR1260-B			----------NA----------				

Initial Calibration Verification

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL343-ICV343
Lab FileID: RL15632.D

48		AR1260-C			----------NA----------			
49		AR1260-D			----------NA----------			
50		AR1260-E			----------NA----------			
51	S	Decachlorobiphenyl	112.075	110.120 E6	1.7	99	0.04	10.74-10.80

(#) = Out of Range SPCC's out = 0 CCC's out = 0
RL15612.D pcblvigcrl343a.m Mon Apr 29 13:56:27 2024

10.10.23 10

Continuing Calibration Summary

Job Number: JE1300 **Sample:** GRL549-CC343
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** RL23006.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Signal #1 : V:\completed\2024\12...49\RL23006.D\ECD1A.ch Vial: 1
Signal #2 : V:\completed\2024\12. De...grl549\RL23006.D\ECD2B.ch
Acq On : 01 Dec 2024 05:29 am Operator: rebeccak
Sample : cc343-100 Inst : GCRL
Misc : op59743,grl549,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\dat...\pcblvigcrl343.m (ChemStation Integrator)
Title :
Last Update : Mon Dec 02 08:20:01 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	217.958	136.293 E6	37.5#	59	0.00	3.65- 3.71
2		AR1221-A		----------NA----------				
3		AR1221-B		----------NA----------				
4		AR1221-C		----------NA----------				
5		AR1221-D		----------NA----------				
6		AR1221-E		----------NA----------				
7		AR1232-A		----------NA----------				
8		AR1232-B		----------NA----------				
9		AR1232-C		----------NA----------				
10		AR1232-D		----------NA----------				
11		AR1232-E		----------NA----------				
12		AR1242-A		----------NA----------				
13		AR1242-B		----------NA----------				
14		AR1242-C		----------NA----------				
15		AR1242-D		----------NA----------				
16		AR1242-E		----------NA----------				
17		AR1248-A		----------NA----------				
18		AR1248-B		----------NA----------				
19		AR1248-C		----------NA----------				
20		AR1248-D		----------NA----------				
21		AR1248-E		----------NA----------				
22		AR1248-F		----------NA----------				
23		AR1248-G		----------NA----------				
24		AR1254-A		----------NA----------				
25		AR1254-B		----------NA----------				
26		AR1254-C		----------NA----------				
27		AR1254-D		----------NA----------				
28		AR1254-E		----------NA----------				
29		AR1254-F		----------NA----------				
30		AR1254-G		----------NA----------				
31		AR1262-A		----------NA----------				
32		AR1262-B		----------NA----------				
33		AR1262-C		----------NA----------				
34		AR1262-D		----------NA----------				
35		AR1262-E		----------NA----------				
36		AR1268-A		----------NA----------				
37		AR1268-B		----------NA----------				
38		AR1268-C		----------NA----------				
39		AR1268-D		----------NA----------				
40		AR1268-E		----------NA----------				
41		AR1016-A		----------NA----------				

Continuing Calibration Summary

Job Number: JE1300 **Sample:** GRL549-CC343
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** RL23006.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

42		AR1016-B			----------NA----------				
43		AR1016-C	16.456	12.677 E6	23.0#	74	0.00	4.61-	4.67
44		AR1016-D	6.802	5.268 E6	22.6#	77	0.00	4.72-	4.78
45		AR1016-E	6.822	5.768 E6	15.5	82	0.00	5.07-	5.14
46		AR1260-A	15.058	13.214 E6	12.2	84	0.00	6.99-	7.05
47		AR1260-B	10.137	8.920 E6	12.0	83	0.00	7.54-	7.60
48		AR1260-C	9.189	8.155 E6	11.3	84	0.00	7.84-	7.91
49		AR1260-D	21.816	18.128 E6	16.9	78	0.00	8.20-	8.26
50		AR1260-E	22.328	19.588 E6	12.3	85	0.00	8.49-	8.55
51	S	Decachlorobiphenyl	146.814	145.351 E6	1.0	98	0.00	9.49-	9.56
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	150.553	99.708 E6	33.8#	63	0.00	4.00-	4.06
2		AR1221-A			----------NA----------				
3		AR1221-B			----------NA----------				
4		AR1221-C			----------NA----------				
5		AR1221-D			----------NA----------				
6		AR1221-E			----------NA----------				
7		AR1232-A			----------NA----------				
8		AR1232-B			----------NA----------				
9		AR1232-C			----------NA----------				
10		AR1232-D			----------NA----------				
11		AR1232-E			----------NA----------				
12		AR1242-A			----------NA----------				
13		AR1242-B			----------NA----------				
14		AR1242-C			----------NA----------				
15		AR1242-D			----------NA----------				
16		AR1242-E			----------NA----------				
17		AR1248-A			----------NA----------				
18		AR1248-B			----------NA----------				
19		AR1248-C			----------NA----------				
20		AR1248-D			----------NA----------				
21		AR1248-E			----------NA----------				
22		AR1248-F			----------NA----------				
23		AR1248-G			----------NA----------				
24		AR1254-A			----------NA----------				
25		AR1254-B			----------NA----------				
26		AR1254-C			----------NA----------				
27		AR1254-D			----------NA----------				
28		AR1254-E			----------NA----------				
29		AR1254-F			----------NA----------				
30		AR1254-G			----------NA----------				
31		AR1262-A			----------NA----------				
32		AR1262-B			----------NA----------				
33		AR1262-C			----------NA----------				
34		AR1262-D			----------NA----------				
35		AR1262-E			----------NA----------				
36		AR1268-A			----------NA----------				
37		AR1268-B			----------NA----------				
38		AR1268-C			----------NA----------				
39		AR1268-D			----------NA----------				
40		AR1268-E			----------NA----------				
41		AR1016-A			----------NA----------				
42		AR1016-B			----------NA----------				
43		AR1016-C	12.604	10.559 E6	16.2	80	0.00	5.22-	5.28
44		AR1016-D	4.611	4.309 E6	6.5	89	0.00	5.36-	5.42
45		AR1016-E	3.730	3.324 E6	10.9	86	0.00	5.93-	5.99
46		AR1260-A	11.098	10.287 E6	7.3	89	0.00	8.05-	8.11
47		AR1260-B	8.556	8.533 E6	0.3	95	0.00	8.54-	8.60

Continuing Calibration Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL549-CC343
Lab FileID: RL23006.D

48		AR1260-C	8.270	7.916	E6	4.3	95	0.00	8.84- 8.90
49		AR1260-D	18.723	17.707	E6	5.4	91	0.00	9.07- 9.13
50		AR1260-E	17.416	16.701	E6	4.1	93	0.00	9.40- 9.46
51	S	Decachlorobiphenyl	112.075	121.556	E6	-8.5	110	0.00	10.31-10.37

(#) = Out of Range SPCC's out = 0 CCC's out = 0
RL22404.D pcblvigcrl343.m Mon Dec 02 10:40:54 2024

10.10.24
10

Continuing Calibration Summary

Job Number: JE1300 **Sample:** GRL549-CC343
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** RL23030.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\ma...49\RL23030.D\ECD1A.ch Vial: 74
Signal #2 : C:\msdchem\1\data\maryannl\grl549\RL23030.D\ECD2B.ch
Acq On : 01 Dec 2024 12:24 pm Operator: rebeccak
Sample : cc343-50 Inst : GCRL
Misc : op59788,grl549,54.4,,,2,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\dat...\pcblvigcrl343.m (ChemStation Integrator)
Title :
Last Update : Mon Dec 02 08:20:01 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	217.958	137.419 E6	37.0#	65	0.00	3.65- 3.71
2		AR1221-A		----------NA----------				
3		AR1221-B		----------NA----------				
4		AR1221-C		----------NA----------				
5		AR1221-D		----------NA----------				
6		AR1221-E		----------NA----------				
7		AR1232-A		----------NA----------				
8		AR1232-B		----------NA----------				
9		AR1232-C		----------NA----------				
10		AR1232-D		----------NA----------				
11		AR1232-E		----------NA----------				
12		AR1242-A		----------NA----------				
13		AR1242-B		----------NA----------				
14		AR1242-C		----------NA----------				
15		AR1242-D		----------NA----------				
16		AR1242-E		----------NA----------				
17		AR1248-A		----------NA----------				
18		AR1248-B		----------NA----------				
19		AR1248-C		----------NA----------				
20		AR1248-D		----------NA----------				
21		AR1248-E		----------NA----------				
22		AR1248-F		----------NA----------				
23		AR1248-G		----------NA----------				
24		AR1254-A		----------NA----------				
25		AR1254-B		----------NA----------				
26		AR1254-C		----------NA----------				
27		AR1254-D		----------NA----------				
28		AR1254-E		----------NA----------				
29		AR1254-F		----------NA----------				
30		AR1254-G		----------NA----------				
31		AR1262-A		----------NA----------				
32		AR1262-B		----------NA----------				
33		AR1262-C		----------NA----------				
34		AR1262-D		----------NA----------				
35		AR1262-E		----------NA----------				
36		AR1268-A		----------NA----------				
37		AR1268-B		----------NA----------				
38		AR1268-C		----------NA----------				
39		AR1268-D		----------NA----------				
40		AR1268-E		----------NA----------				
41		AR1016-A	3.828	3.014 E6	21.3#	81	0.00	3.94- 4.00

Continuing Calibration Summary

Job Number: JE1300 **Sample:** GRL549-CC343
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** RL23030.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

42		AR1016-B	7.612	6.233	E6	18.1	82	0.00	4.22- 4.28
43		AR1016-C	16.456	13.476	E6	18.1	83	0.00	4.61- 4.67
44		AR1016-D	6.802	5.757	E6	15.4	88	0.00	4.72- 4.78
45		AR1016-E	6.822	6.090	E6	10.7	91	0.00	5.07- 5.14
46		AR1260-A	15.058	14.473	E6	3.9	97	0.00	6.99- 7.05
47		AR1260-B	10.137	10.214	E6	-0.8	102	0.00	7.54- 7.60
48		AR1260-C	9.189	8.895	E6	3.2	99	0.00	7.84- 7.91
49		AR1260-D	21.816	20.828	E6	4.5	97	0.00	8.20- 8.26
50		AR1260-E	22.328	21.447	E6	3.9	99	0.00	8.49- 8.55
51	S	Decachlorobiphenyl	146.814	171.262	E6	-16.7	120	0.00	9.49- 9.56
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	150.553	106.419	E6	29.3#	74	0.00	4.00- 4.06
2		AR1221-A	----------NA----------						
3		AR1221-B	----------NA----------						
4		AR1221-C	----------NA----------						
5		AR1221-D	----------NA----------						
6		AR1221-E	----------NA----------						
7		AR1232-A	----------NA----------						
8		AR1232-B	----------NA----------						
9		AR1232-C	----------NA----------						
10		AR1232-D	----------NA----------						
11		AR1232-E	----------NA----------						
12		AR1242-A	----------NA----------						
13		AR1242-B	----------NA----------						
14		AR1242-C	----------NA----------						
15		AR1242-D	----------NA----------						
16		AR1242-E	----------NA----------						
17		AR1248-A	----------NA----------						
18		AR1248-B	----------NA----------						
19		AR1248-C	----------NA----------						
20		AR1248-D	----------NA----------						
21		AR1248-E	----------NA----------						
22		AR1248-F	----------NA----------						
23		AR1248-G	----------NA----------						
24		AR1254-A	----------NA----------						
25		AR1254-B	----------NA----------						
26		AR1254-C	----------NA----------						
27		AR1254-D	----------NA----------						
28		AR1254-E	----------NA----------						
29		AR1254-F	----------NA----------						
30		AR1254-G	----------NA----------						
31		AR1262-A	----------NA----------						
32		AR1262-B	----------NA----------						
33		AR1262-C	----------NA----------						
34		AR1262-D	----------NA----------						
35		AR1262-E	----------NA----------						
36		AR1268-A	----------NA----------						
37		AR1268-B	----------NA----------						
38		AR1268-C	----------NA----------						
39		AR1268-D	----------NA----------						
40		AR1268-E	----------NA----------						
41		AR1016-A	2.567	2.258	E6	12.0	92	0.00	4.42- 4.48
42		AR1016-B	5.310	4.629	E6	12.8	89	0.00	4.78- 4.84
43		AR1016-C	12.604	11.172	E6	11.4	90	0.00	5.22- 5.28
44		AR1016-D	4.611	4.228	E6	8.3	93	0.00	5.36- 5.42
45		AR1016-E	3.730	3.537	E6	5.2	98	0.00	5.93- 5.99
46		AR1260-A	11.098	11.070	E6	0.3	104	0.00	8.05- 8.11
47		AR1260-B	8.556	9.108	E6	-6.5	109	0.00	8.54- 8.60

Continuing Calibration Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL549-CC343
Lab FileID: RL23030.D

48		AR1260-C	8.270	8.614	E6	-4.2	111	0.00	8.84- 8.90
49		AR1260-D	18.723	19.719	E6	-5.3	108	0.00	9.06- 9.12
50		AR1260-E	17.416	18.935	E6	-8.7	110	0.00	9.40- 9.46
51	S	Decachlorobiphenyl	112.075	135.610	E6	-21.0#	123	0.00	10.31-10.37

(#) = Out of Range SPCC's out = 0 CCC's out = 0

RL21807.D pcblvigcrl343.m Mon Dec 02 08:26:05 2024

Run Sequence Report

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: G4G4525	**Method:** SW846 8081B	**Instrument ID:** GC4G

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G4G4525-DDT	4G9742171.D	12/11/24 02:43	n/a	DDT/Endrin Breakdown Check
G4G4525-IC4525	4G9742174.D	12/11/24 03:59	n/a	Initial cal 0.1
G4G4525-IC4525	4G9742175.D	12/11/24 04:24	n/a	Initial cal 0.2
G4G4525-IC4525	4G9742176.D	12/11/24 04:50	n/a	Initial cal 0.5
G4G4525-IC4525	4G9742177.D	12/11/24 05:15	n/a	Initial cal 1
G4G4525-ICC4525	4G9742178.D	12/11/24 05:40	n/a	Initial cal 2.5
G4G4525-IC4525	4G9742179.D	12/11/24 06:06	n/a	Initial cal 5
G4G4525-IC4525	4G9742180.D	12/11/24 06:31	n/a	Initial cal 7.5
G4G4525-IC4525	4G9742181.D	12/11/24 06:56	n/a	Initial cal 10
G4G4525-IC4525	4G9742182.D	12/11/24 07:21	n/a	Initial cal 50
G4G4525-IC4525	4G9742183.D	12/11/24 07:45	n/a	Initial cal 50
G4G4525-ICV4525	4G9742184.D	12/11/24 08:09	n/a	Initial cal verification 2.5
G4G4525-ICV4525	4G9742185.D	12/11/24 08:33	n/a	Initial cal verification 50
G4G4525-ICV4525	4G9742186.D	12/11/24 08:57	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: G4G4540	**Method:** SW846 8081B	**Instrument ID:** GC4G

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G4G4540-DDT	4G9742503.D	12/26/24 09:14	n/a	DDT/Endrin Breakdown Check
G4G4540-CC4525	4G9742504.D	12/26/24 09:39	n/a	Continuing cal 5
ZZZZZZ	4G9742506.D	12/26/24 10:29	OP60461	(unrelated sample)
ZZZZZZ	4G9742507.D	12/26/24 10:53	OP60461	(unrelated sample)
ZZZZZZ	4G9742508.D	12/26/24 11:18	OP60461	(unrelated sample)
JE1818-1R	4G9742509.D	12/26/24 11:42	OP60392	(used for QC only; not part of job JE1300)
ZZZZZZ	4G9742510.D	12/26/24 12:07	OP60392	(unrelated sample)
ZZZZZZ	4G9742511.D	12/26/24 12:31	OP60392	(unrelated sample)
ZZZZZZ	4G9742512.D	12/26/24 12:56	OP60392	(unrelated sample)
ZZZZZZ	4G9742513.D	12/26/24 13:21	OP60392	(unrelated sample)
ZZZZZZ	4G9742514.D	12/26/24 13:45	OP60392	(unrelated sample)
ZZZZZZ	4G9742515.D	12/26/24 14:09	OP60392	(unrelated sample)
ZZZZZZ	4G9742516.D	12/26/24 14:33	OP60392	(unrelated sample)
ZZZZZZ	4G9742517.D	12/26/24 14:57	OP60392	(unrelated sample)
ZZZZZZ	4G9742518.D	12/26/24 15:22	OP60392	(unrelated sample)
ZZZZZZ	4G9742519.D	12/26/24 15:46	OP60392	(unrelated sample)
ZZZZZZ	4G9742522.D	12/26/24 16:58	OP60189	(unrelated sample)
JE1300-9T	4G9742524.D	12/26/24 17:46	OP59833	GRID-4R

Run Sequence Report

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: G4G4541	**Method:** SW846 8081B	**Instrument ID:** GC4G

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G4G4541-DDT	4G9742530.D	12/26/24 23:31	n/a	DDT/Endrin Breakdown Check
G4G4541-CC4525	4G9742531.D	12/26/24 23:55	n/a	Continuing cal 2.5
OP60476-MB1	4G9742533.D	12/27/24 01:57	OP60476	Method Blank
OP60476-BS1	4G9742534.D	12/27/24 02:20	OP60476	Blank Spike
OP60476-LB32	4G9742535.D	12/27/24 02:44	OP60476	Leachate Blank
OP60476-MS	4G9742536.D	12/27/24 03:08	OP60476	Matrix Spike
OP60476-LS32	4G9742536.D	12/27/24 03:08	OP60476	Leachate Spike
OP60476-MSD	4G9742537.D	12/27/24 03:32	OP60476	Matrix Spike Duplicate
ZZZZZZ	4G9742538.D	12/27/24 03:56	OP60476	(unrelated sample)
ZZZZZZ	4G9742539.D	12/27/24 04:21	OP60476	(unrelated sample)
ZZZZZZ	4G9742540.D	12/27/24 04:45	OP60476	(unrelated sample)
ZZZZZZ	4G9742541.D	12/27/24 05:09	OP60476	(unrelated sample)
ZZZZZZ	4G9742542.D	12/27/24 05:33	OP60476	(unrelated sample)
ZZZZZZ	4G9742543.D	12/27/24 05:57	OP60476	(unrelated sample)
ZZZZZZ	4G9742544.D	12/27/24 06:22	OP60476	(unrelated sample)
ZZZZZZ	4G9742545.D	12/27/24 06:46	OP60476	(unrelated sample)
ZZZZZZ	4G9742546.D	12/27/24 07:10	OP60476	(unrelated sample)
JE2863-5A	4G9742547.D	12/27/24 07:35	OP60476	(used for QC only; not part of job JE1300)
ZZZZZZ	4G9742548.D	12/27/24 07:59	OP60476	(unrelated sample)
ZZZZZZ	4G9742549.D	12/27/24 08:23	OP60476	(unrelated sample)
ZZZZZZ	4G9742550.D	12/27/24 08:47	OP60476	(unrelated sample)
ZZZZZZ	4G9742551.D	12/27/24 09:11	OP60476	(unrelated sample)
ZZZZZZ	4G9742552.D	12/27/24 09:35	OP60476	(unrelated sample)
ZZZZZZ	4G9742553.D	12/27/24 10:00	OP60476	(unrelated sample)
ZZZZZZ	4G9742554.D	12/27/24 10:24	OP60476	(unrelated sample)

Run Sequence Report

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: G8G2596	**Method:** SW846 8081B	**Instrument ID:** GC8G

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G8G2596-DDT	8G60340.D	09/18/24 10:50	n/a	DDT/Endrin Breakdown Check
G8G2596-IC2596	8G60342.D	09/18/24 11:35	n/a	Initial cal 0.1
G8G2596-IC2596	8G60343.D	09/18/24 11:58	n/a	Initial cal 0.2
G8G2596-IC2596	8G60344.D	09/18/24 12:21	n/a	Initial cal 0.5
G8G2596-IC2596	8G60345.D	09/18/24 12:43	n/a	Initial cal 1
G8G2596-ICC2596	8G60346.D	09/18/24 13:06	n/a	Initial cal 2.5
G8G2596-IC2596	8G60347.D	09/18/24 13:29	n/a	Initial cal 5
G8G2596-IC2596	8G60348.D	09/18/24 13:51	n/a	Initial cal 7.5
G8G2596-IC2596	8G60349.D	09/18/24 14:14	n/a	Initial cal 10
G8G2596-ICV2596	8G60350.D	09/18/24 14:37	n/a	Initial cal verification 2.5
G8G2596-IC2596	8G60351.D	09/18/24 15:00	n/a	Initial cal 50
G8G2596-ICV2596	8G60352.D	09/18/24 15:22	n/a	Initial cal verification 50
G8G2596-IC2596	8G60353.D	09/18/24 15:45	n/a	Initial cal 50
G8G2596-ICV2596	8G60354.D	09/18/24 16:08	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: G8G2697	**Method:** SW846 8081B	**Instrument ID:** GC8G

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G8G2697-DDT	8G62729.D	12/01/24 05:41	n/a	DDT/Endrin Breakdown Check
G8G2697-CC2596	8G62730.D	12/01/24 06:05	n/a	Continuing cal 5
OP59787-MB1	8G62732.D	12/01/24 06:52	OP59787	Method Blank
OP59787-BS1	8G62733.D	12/01/24 07:16	OP59787	Blank Spike
OP59787-BSD	8G62734.D	12/01/24 07:40	OP59787	Blank Spike Duplicate
JE1300-51	8G62735.D	12/01/24 08:04	OP59787	FB-2
ZZZZZZ	8G62736.D	12/01/24 08:28	OP59787	(unrelated sample)
ZZZZZZ	8G62737.D	12/01/24 08:52	OP59609	(unrelated sample)
ZZZZZZ	8G62738.D	12/01/24 09:16	OP59609	(unrelated sample)

Run Sequence Report

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: G8G2698	**Method:** SW846 8081B	**Instrument ID:** GC8G

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G8G2698-DDT	8G62742.D	12/01/24 23:24	n/a	DDT/Endrin Breakdown Check
G8G2698-CC2596	8G62745.D	12/02/24 01:04	n/a	Continuing cal 5
OP59749-MB1	8G62747.D	12/02/24 01:51	OP59749	Method Blank
OP59749-BS1	8G62748.D	12/02/24 02:15	OP59749	Blank Spike
OP59749-MS	8G62749.D	12/02/24 02:40	OP59749	Matrix Spike
OP59749-MSD	8G62750.D	12/02/24 03:04	OP59749	Matrix Spike Duplicate
JE1271-1	8G62751.D	12/02/24 03:28	OP59749	(used for QC only; not part of job JE1300)

Run Sequence Report

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: G8G2700	**Method:** SW846 8081B	**Instrument ID:** GC8G

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G8G2700-DDT	8G62762.D	12/03/24 00:19	n/a	DDT/Endrin Breakdown Check
G8G2700-CC2596	8G62764.D	12/03/24 01:07	n/a	Continuing cal 5
OP59820-MB1	8G62766.D	12/03/24 01:55	OP59820	Method Blank
OP59820-BS1	8G62767.D	12/03/24 02:19	OP59820	Blank Spike
OP59820-BSD	8G62768.D	12/03/24 02:43	OP59820	Blank Spike Duplicate
OP59833-MB1	8G62769.D	12/03/24 03:07	OP59833	Method Blank
OP59833-BS1	8G62770.D	12/03/24 03:31	OP59833	Blank Spike
ZZZZZZ	8G62771.D	12/03/24 03:55	OP59820	(unrelated sample)
OP59833-MS	8G62774.D	12/03/24 05:07	OP59833	Matrix Spike
OP59833-MSD	8G62775.D	12/03/24 05:31	OP59833	Matrix Spike Duplicate
JE1300-9Q	8G62776.D	12/03/24 05:55	OP59833	(used for QC only; not part of job JE1300)
JE1300-9T	8G62776.D	12/03/24 05:55	OP59833	GRID-4R
ZZZZZZ	8G62777.D	12/03/24 06:19	OP59833	(unrelated sample)
ZZZZZZ	8G62778.D	12/03/24 06:43	OP59833	(unrelated sample)
ZZZZZZ	8G62779.D	12/03/24 07:06	OP59833	(unrelated sample)
ZZZZZZ	8G62780.D	12/03/24 07:30	OP59833	(unrelated sample)
ZZZZZZ	8G62781.D	12/03/24 07:53	OP59742	(unrelated sample)
ZZZZZZ	8G62782.D	12/03/24 08:17	OP59740	(unrelated sample)

Run Sequence Report

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: G8G2702	**Method:** SW846 8081B	**Instrument ID:** GC8G

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G8G2702-DDT	8G62793.D	12/03/24 13:36	n/a	DDT/Endrin Breakdown Check
G8G2702-CC2596	8G62795A.D	12/03/24 14:22	n/a	Continuing cal 5
OP59826-MB1	8G62797.D	12/03/24 17:48	OP59826	Method Blank
OP59826-BS1	8G62798.D	12/03/24 18:11	OP59826	Blank Spike
OP59826-MS	8G62799.D	12/03/24 18:35	OP59826	Matrix Spike
OP59826-MSD	8G62800.D	12/03/24 18:59	OP59826	Matrix Spike Duplicate
JE1369-4	8G62801.D	12/03/24 19:23	OP59826	(used for QC only; not part of job JE1300)
ZZZZZZ	8G62802.D	12/03/24 19:48	OP59826	(unrelated sample)
ZZZZZZ	8G62803.D	12/03/24 20:12	OP59826	(unrelated sample)
ZZZZZZ	8G62804.D	12/03/24 20:36	OP59826	(unrelated sample)
ZZZZZZ	8G62805.D	12/03/24 21:01	OP59826	(unrelated sample)

Run Sequence Report

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: GRL343	**Method:** SW846 8082A	**Instrument ID:** GCRL

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
GRL343-IC343	RL15608.D	04/29/24 02:16	n/a	Initial cal 5
GRL343-IC343	RL15609.D	04/29/24 02:33	n/a	Initial cal 10
GRL343-IC343	RL15610.D	04/29/24 02:50	n/a	Initial cal 25
GRL343-IC343	RL15611.D	04/29/24 03:07	n/a	Initial cal 50
GRL343-ICC343	RL15612.D	04/29/24 03:23	n/a	Initial cal 100
GRL343-IC343	RL15613.D	04/29/24 03:40	n/a	Initial cal 200
GRL343-IC343	RL15614.D	04/29/24 03:57	n/a	Initial cal 300
GRL343-IC343	RL15615.D	04/29/24 04:14	n/a	Initial cal 500
GRL343-IC343	RL15616.D	04/29/24 04:31	n/a	Initial cal 1000
GRL343-IC343	RL15617.D	04/29/24 04:47	n/a	Initial cal 2000
GRL343-ICV343	RL15618.D	04/29/24 05:04	n/a	Initial cal verification 100
GRL343-IC343	RL15619.D	04/29/24 05:21	n/a	Initial cal 100
GRL343-IC343	RL15620.D	04/29/24 05:38	n/a	Initial cal 100
GRL343-IC343	RL15621.D	04/29/24 05:55	n/a	Initial cal 100
GRL343-IC343	RL15622.D	04/29/24 06:12	n/a	Initial cal 100
GRL343-IC343	RL15623.D	04/29/24 06:28	n/a	Initial cal 100
GRL343-IC343	RL15624.D	04/29/24 06:45	n/a	Initial cal 100
GRL343-IC343	RL15625.D	04/29/24 07:02	n/a	Initial cal 100
GRL343-ICV343	RL15626.D	04/29/24 07:19	n/a	Initial cal verification 100
GRL343-ICV343	RL15627.D	04/29/24 07:36	n/a	Initial cal verification 100
GRL343-ICV343	RL15628.D	04/29/24 07:53	n/a	Initial cal verification 100
GRL343-ICV343	RL15629.D	04/29/24 08:09	n/a	Initial cal verification 100
GRL343-ICV343	RL15630.D	04/29/24 08:26	n/a	Initial cal verification 100
GRL343-ICV343	RL15631.D	04/29/24 08:43	n/a	Initial cal verification 100
GRL343-ICV343	RL15632.D	04/29/24 09:00	n/a	Initial cal verification 100

Run Sequence Report

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: GRL549	**Method:** SW846 8082A	**Instrument ID:** GCRL

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
GRL549-CC343	RL23006.D	12/01/24 05:29	n/a	Continuing cal 100
OP59788-MB1	RL23008.D	12/01/24 06:03	OP59788	Method Blank
OP59788-BS1	RL23009.D	12/01/24 06:21	OP59788	Blank Spike
OP59788-MS	RL23010.D	12/01/24 06:38	OP59788	Matrix Spike
OP59788-MSD	RL23011.D	12/01/24 06:55	OP59788	Matrix Spike Duplicate
ZZZZZZ	RL23012.D	12/01/24 07:12	OP59788	(unrelated sample)
ZZZZZZ	RL23013.D	12/01/24 07:30	OP59788	(unrelated sample)
ZZZZZZ	RL23015.D	12/01/24 08:04	OP59788	(unrelated sample)
ZZZZZZ	RL23016.D	12/01/24 08:21	OP59788	(unrelated sample)
JE1428-8	RL23017.D	12/01/24 08:39	OP59788	(used for QC only; not part of job JE1300)
ZZZZZZ	RL23018.D	12/01/24 08:56	OP59788	(unrelated sample)
ZZZZZZ	RL23019.D	12/01/24 09:13	OP59788	(unrelated sample)
ZZZZZZ	RL23020.D	12/01/24 09:30	OP59788	(unrelated sample)
ZZZZZZ	RL23021.D	12/01/24 09:48	OP59788	(unrelated sample)
ZZZZZZ	RL23022.D	12/01/24 10:05	OP59788	(unrelated sample)
ZZZZZZ	RL23023.D	12/01/24 10:22	OP59788	(unrelated sample)
ZZZZZZ	RL23024.D	12/01/24 10:40	OP59788	(unrelated sample)
ZZZZZZ	RL23025.D	12/01/24 10:57	OP59788	(unrelated sample)
ZZZZZZ	RL23026.D	12/01/24 11:14	OP59788	(unrelated sample)
ZZZZZZ	RL23027.D	12/01/24 11:32	OP59788	(unrelated sample)
JE1300-51	RL23028.D	12/01/24 11:49	OP59788	FB-2
GRL549-CC343	RL23030.D	12/01/24 12:24	n/a	Continuing cal 50
JE906-1	RL23032.D	12/01/24 12:58	OP59632	(used for QC only; not part of job JE1300)
OP59632-MS	RL23033.D	12/01/24 13:16	OP59632	Matrix Spike
OP59632-MSD	RL23034.D	12/01/24 13:33	OP59632	Matrix Spike Duplicate
GRL549-CC343	RL23040.D	12/01/24 15:17	n/a	Continuing cal 100

GC/LC Semi-volatiles

Raw Data

Manual Integrations APPROVED (compounds with "m" flag)
Sarah Cruz
12/27/24 02:59

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\nazaryne\g4g4540\
Data File : 4g9742524.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Dec 2024 5:46 pm
Operator : kyrac
Sample : je1300-9t m
Misc : op59833,g4g4540,5.3,,,10,5
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 27 05:45:56 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\nazaryne\g4g4540\4PSTLVI4525.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 27 05:05:28 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
Internal Standards						
1) I 1-bromo-2...	4.889	5.153	913.2E6	394.9E6	5.000	5.000
27) I 1-bromo-2...	4.889	5.153	913.2E6	394.9E6	5.000	5.000
33) I 1-bromo-2...	4.889	5.153	913.2E6	394.9E6	5.000	5.000
System Monitoring Compounds						
2) SAB Tetrachlo...	5.569	6.058	176.4E6	119.4E6	1.547	1.579
Spiked Amount 40.000	Range 30 - 150		Recovery =		3.87%#	3.95%#
26) SA Decachlor...	13.071	14.655	133.5E6	93963387	0.865m	1.895m#
Spiked Amount 40.000			Recovery =		2.16%	4.74%
Target Compounds						
11) B Heptachlo...	8.009	9.134	2233.8E6	736.7E6	10.046	7.559
13) B alpha-Chl...	8.352	9.657	2030.2E6	705.4E6	8.332	7.332
SemiQuant Compounds - Not Calibrated on this Instrument						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

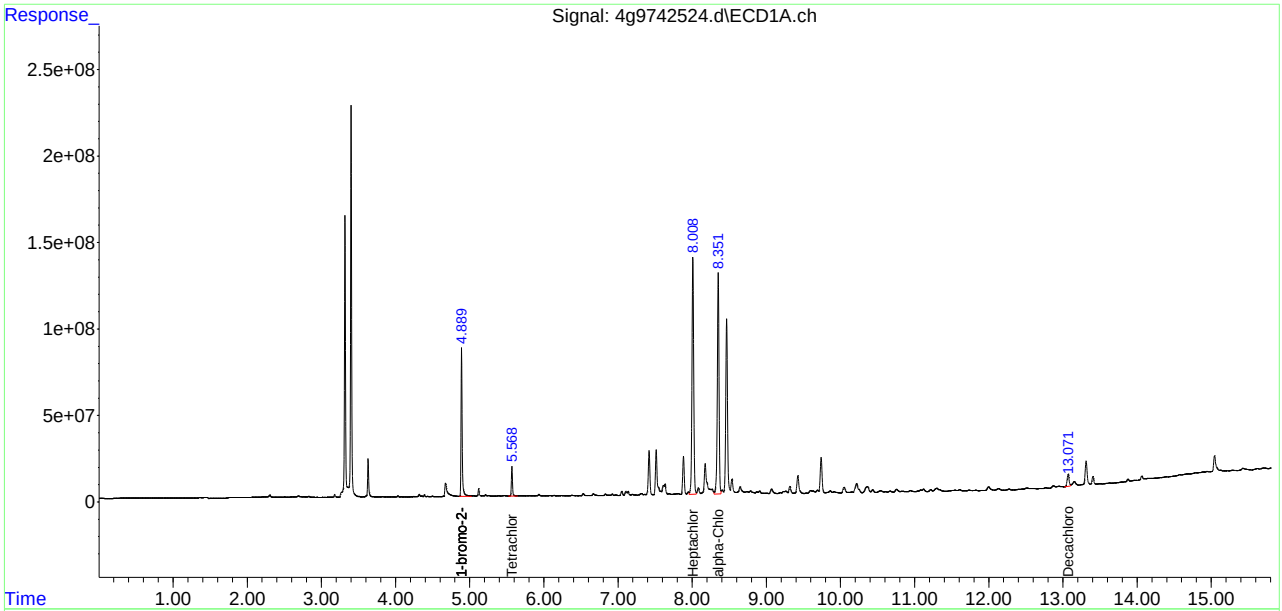
11.1.1 11

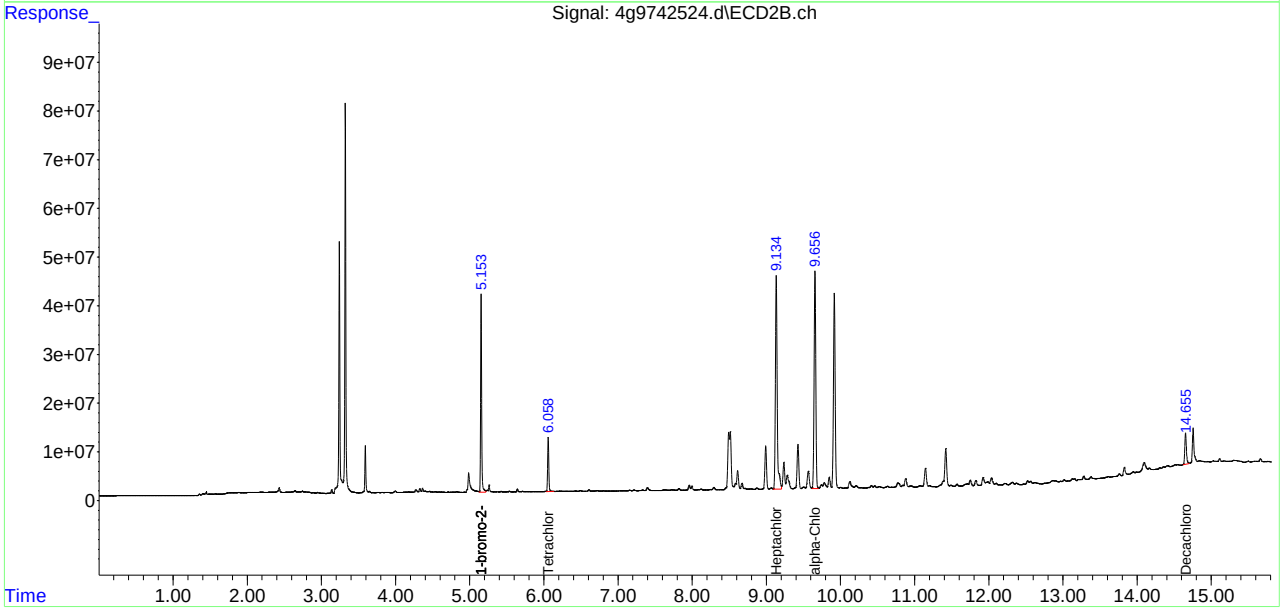
Quantitation Report (QT Reviewed)

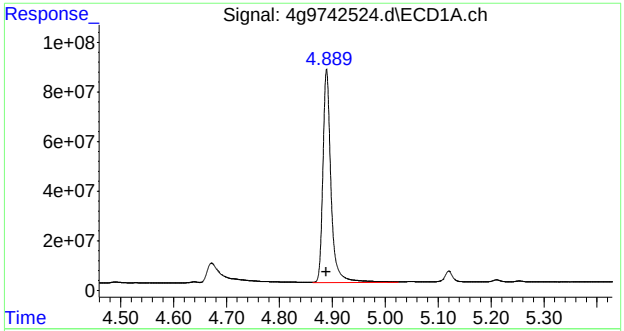
Data Path : X:\Dayton SVOA GC\8. GC Members\nazaryne\g4g4540\
Data File : 4g9742524.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Dec 2024 5:46 pm
Operator : kyrac
Sample : je1300-9t m
Misc : op59833,g4g4540,5.3,,,10,5
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 27 05:45:56 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\nazaryne\g4g4540\4PSTLVI4525.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 27 05:05:28 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

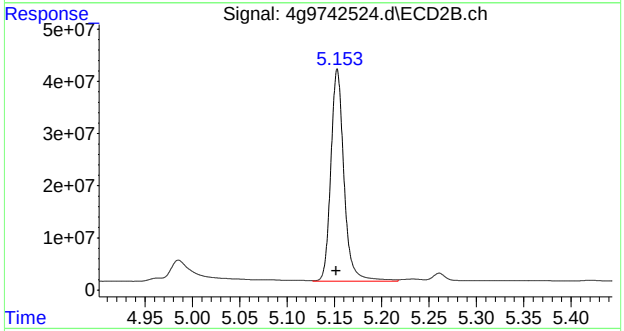






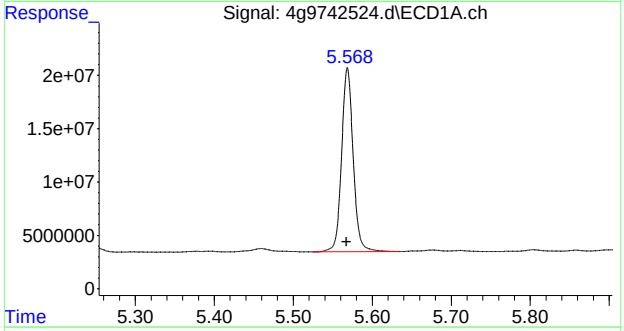
#1 1-bromo-2-nitrobenzene

R.T.: 4.889 min
Delta R.T.: 0.001 min
Response: 913150175
Conc: 5.00 PPB



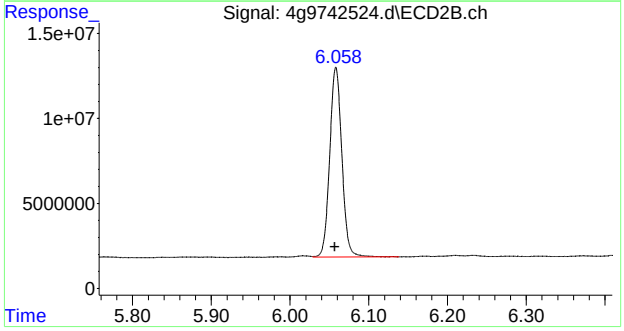
#1 1-bromo-2-nitrobenzene

R.T.: 5.153 min
Delta R.T.: 0.002 min
Response: 394926698
Conc: 5.00 PPB



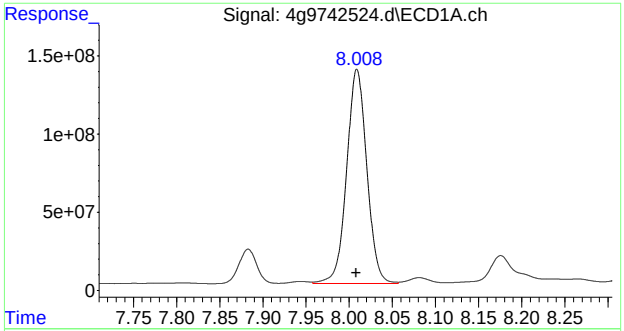
#2 Tetrachloro-m-xylene

R.T.: 5.569 min
Delta R.T.: 0.002 min
Response: 176382117
Conc: 1.55 PPB



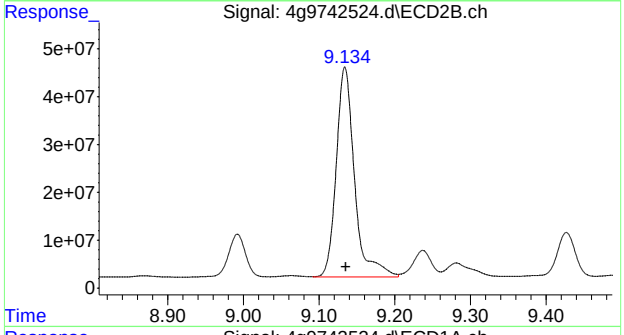
#2 Tetrachloro-m-xylene

R.T.: 6.058 min
Delta R.T.: 0.001 min
Response: 119409822
Conc: 1.58 PPB



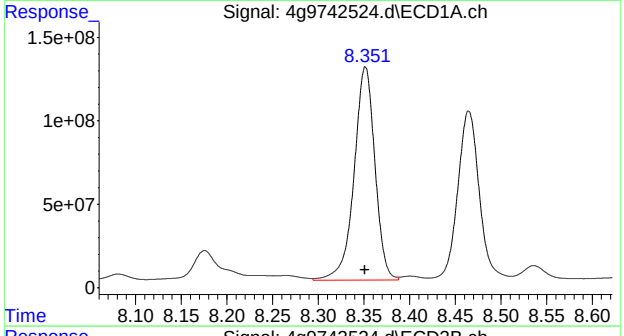
#11 Heptachlor Epoxide

R.T.: 8.009 min
Delta R.T.: 0.000 min
Response: 2233811291
Conc: 10.05 PPB



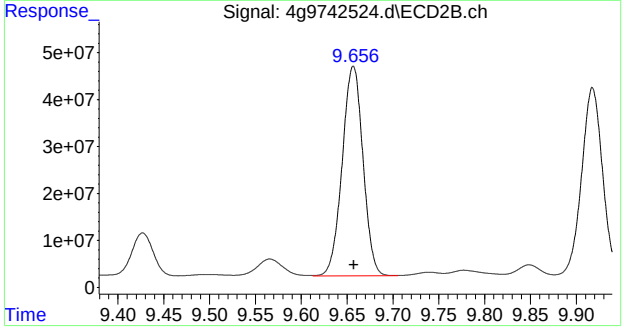
#11 Heptachlor Epoxide

R.T.: 9.134 min
Delta R.T.: 0.000 min
Response: 736729048
Conc: 7.56 PPB



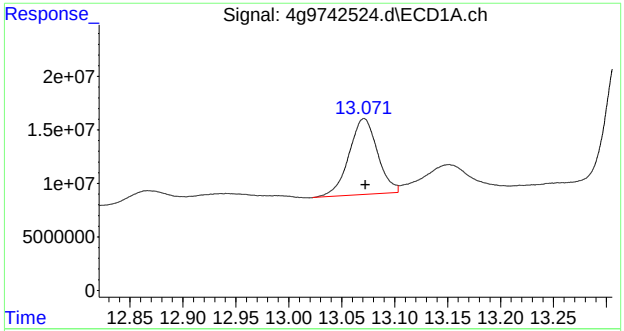
#13 alpha-Chlordane

R.T.: 8.352 min
Delta R.T.: 0.000 min
Response: 2030156588
Conc: 8.33 PPB



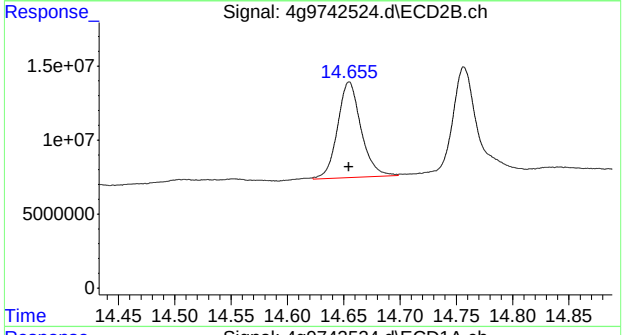
#13 alpha-Chlordane

R.T.: 9.657 min
Delta R.T.: 0.000 min
Response: 705381881
Conc: 7.33 PPB



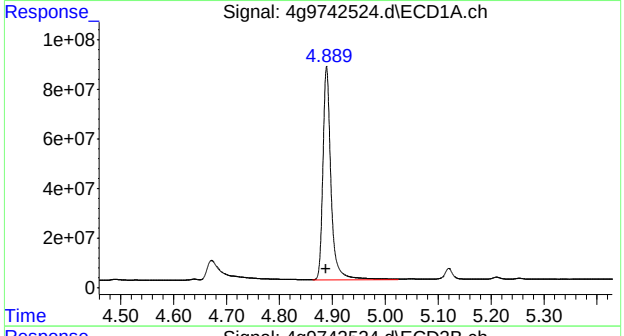
#26 Decachlorobiphenyl

R.T.: 13.071 min
Delta R.T.: -0.002 min
Response: 133494835
Conc: 0.86 PPB m



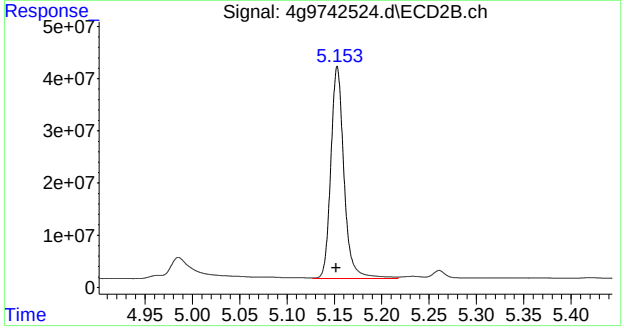
#26 Decachlorobiphenyl

R.T.: 14.655 min
Delta R.T.: 0.000 min
Response: 93963387
Conc: 1.89 PPB m



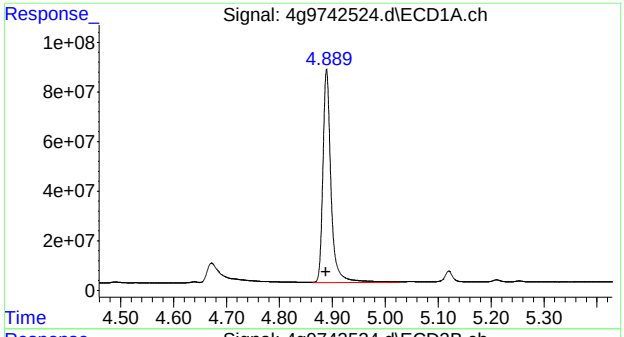
#27 1-bromo-2-nitrobenzeneA

R.T.: 4.889 min
Delta R.T.: 0.002 min
Response: 913150175
Conc: 5.00 PPB



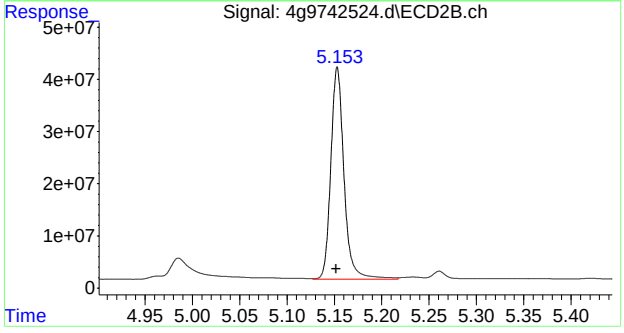
#27 1-bromo-2-nitrobenzeneA

R.T.: 5.153 min
Delta R.T.: 0.002 min
Response: 394926698
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 4.889 min
Delta R.T.: 0.002 min
Response: 913150175
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 5.153 min
Delta R.T.: 0.002 min
Response: 394926698
Conc: 5.00 PPB

Manual Integrations APPROVED (compounds with "m" flag)
Sarah Cruz
12/27/24 02:59

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2700\
Data File : 8g62776.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:55 am
Operator : christp
Sample : je1300-9q m (Sig #1); je1300-9 m (Sig #2)
Misc : op59833,g8g2700,5.3,,,10,1
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 10:02:24 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1)	I 1-bromo-2...	2.408	2.771	315.2E6	658.8E6	5.000m	5.000m
27)	I 1-bromo-2...	2.408	2.771	309.4E6	650.1E6	5.000m	5.000m
33)	I 1-bromo-2...	2.408	2.771	311.7E6	651.5E6	5.000m	5.000m
	System Monitoring Compounds						
2)	SAB Tetrachlo...	2.955	3.651	230.4E6	595.9E6	3.788m	3.692m
	Spiked Amount	40.000 Range	30 - 150	Recovery	=	9.47%#	9.23%#
26)	SA Decachlor...	10.616	12.998	234.6E6	480.7E6	4.010m	5.266 #
	Spiked Amount	40.000		Recovery	=	10.02%	13.16%
	Target Compounds						
3)	hexachlor...	3.297	4.228	6242939	7839181	0.065m	0.046m#
6)	MA Heptachlor	4.285	5.532	5032884	8921455	0.061m	0.057m
11)	B Heptachlo...	5.423	6.924	1188.7E6	1959.2E6	16.624	12.788
12)	B gamma-Chl...	5.598	7.232	170.5E6	339.0E6	2.237	2.239
13)	B alpha-Chl...	5.777	7.472	915.8E6	1767.7E6	12.903m	11.748
15)	B 4,4'-DDE	5.879	7.724	608.6E6	1300.3E6	8.376	8.914
17)	MA Endrin	6.717f	8.617f	46585591	84815363	0.818m	0.755
18)	A 4,4'-DDD	6.765	8.721	19937029	39751884	0.328m	0.310m
20)	MA 4,4'-DDT	7.204	9.280	228.8E6	482.0E6	3.725m	4.543m
23)	A Methoxychlor	8.001	10.509	27230929	51164185	0.763m	0.971 #
24)	Mirex	8.177f	10.923f	33632353	44029460	0.621m	0.583
	SemiQuant Compounds - Not Calibrated on this Instrument						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

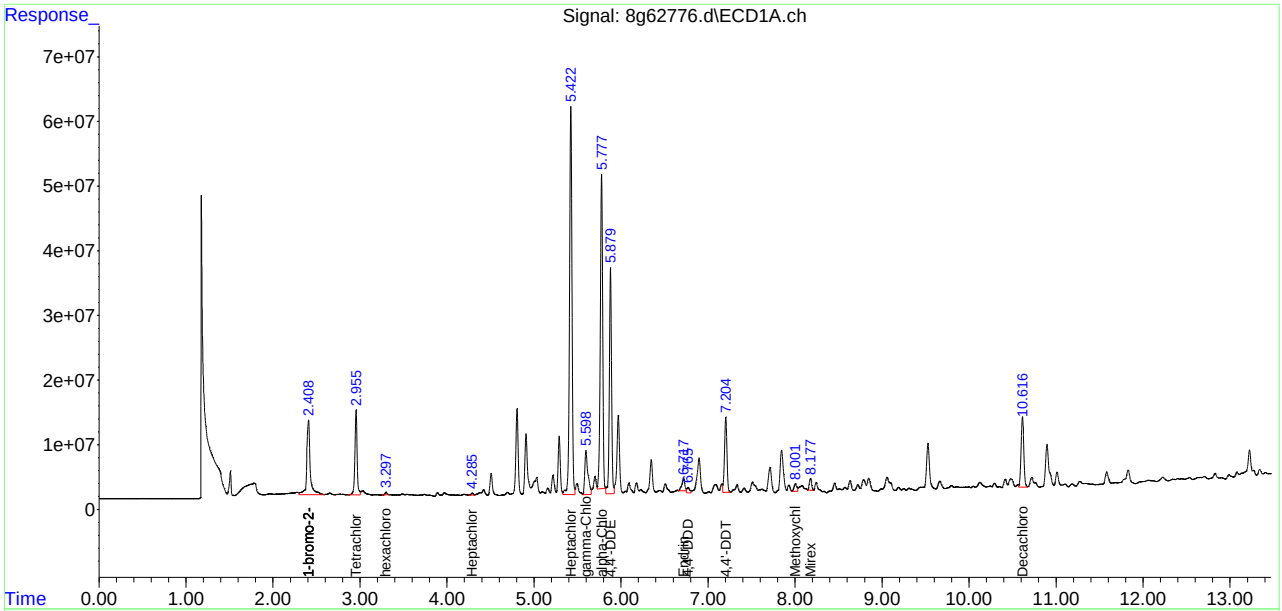
11.1.2 11

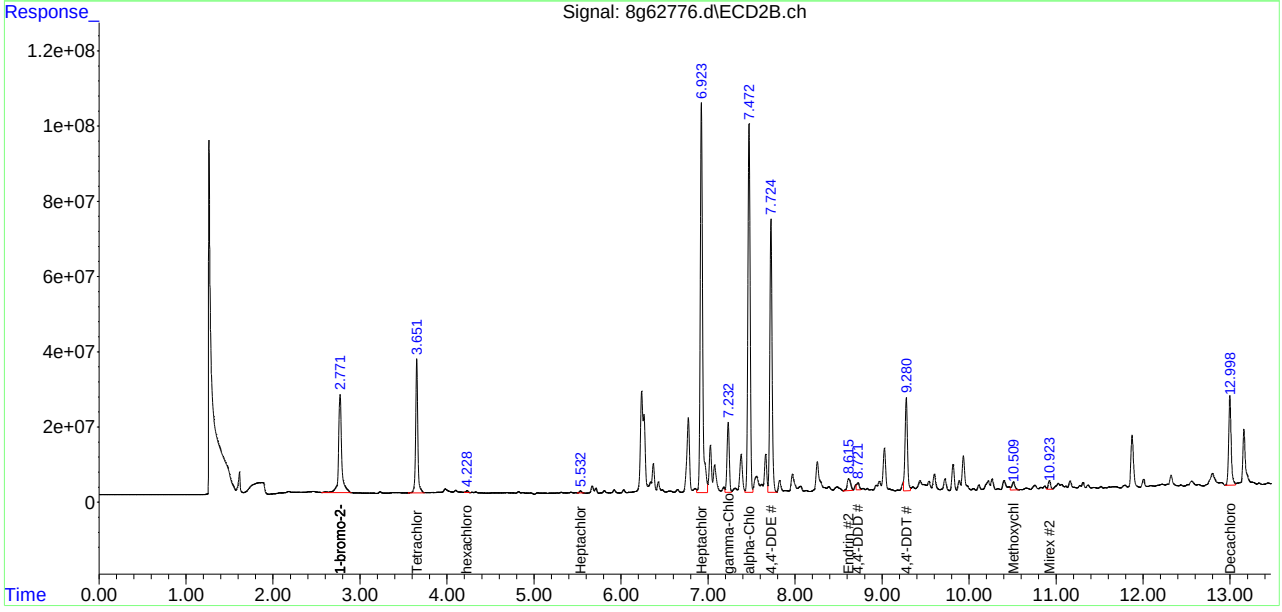
Quantitation Report (QT Reviewed)

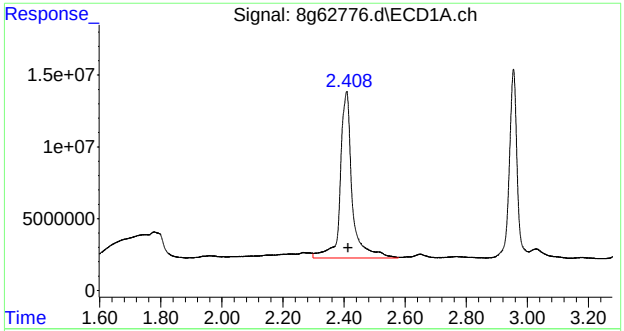
Data Path : C:\msdchem\1\data\g8g2700\
Data File : 8g62776.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:55 am
Operator : christp
Sample : je1300-9q m (Sig #1); je1300-9 m (Sig #2)
Misc : op59833,g8g2700,5.3,,,10,1
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 10:02:24 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

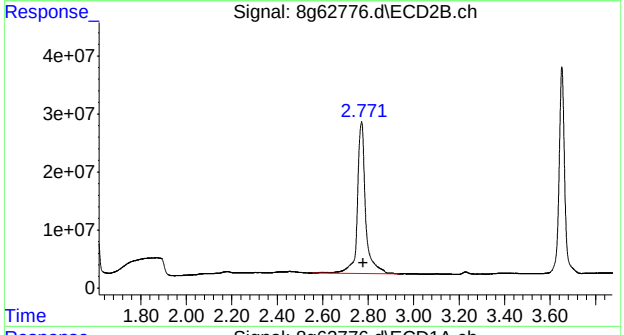






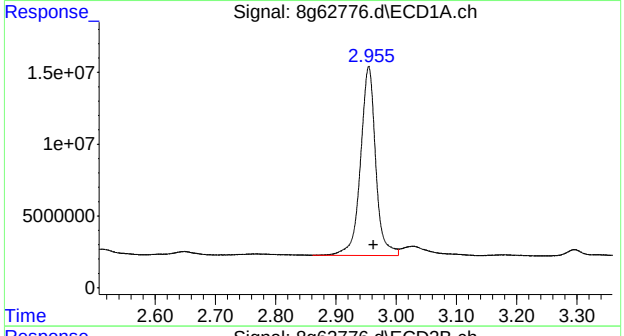
#1 1-bromo-2-nitrobenzene

R.T.: 2.408 min
Delta R.T.: -0.005 min
Response: 315233311
Conc: 5.00 PPB m



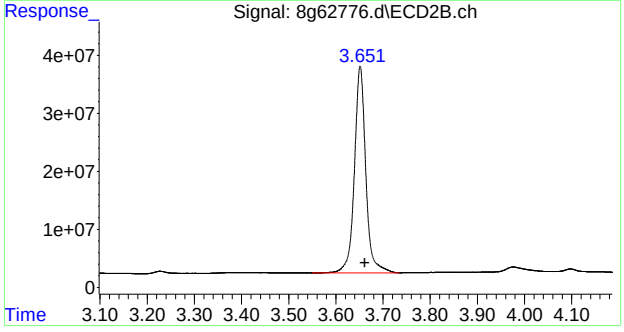
#1 1-bromo-2-nitrobenzene

R.T.: 2.771 min
Delta R.T.: -0.007 min
Response: 658780662
Conc: 5.00 PPB m



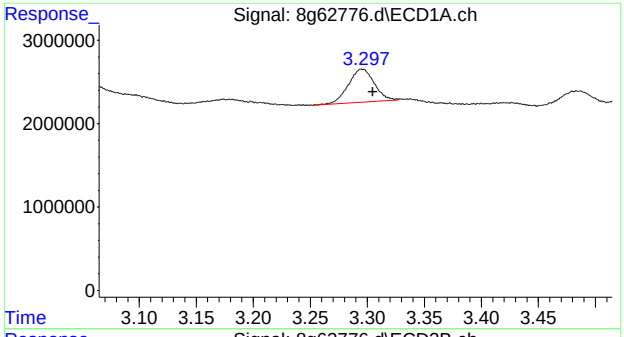
#2 Tetrachloro-m-xylene

R.T.: 2.955 min
Delta R.T.: -0.008 min
Response: 230402878
Conc: 3.79 PPB m



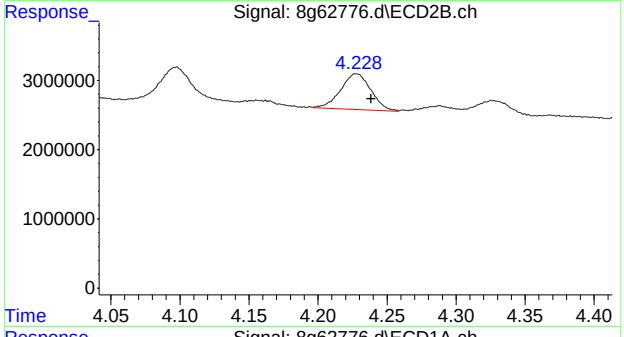
#2 Tetrachloro-m-xylene

R.T.: 3.651 min
Delta R.T.: -0.011 min
Response: 595894492
Conc: 3.69 PPB m



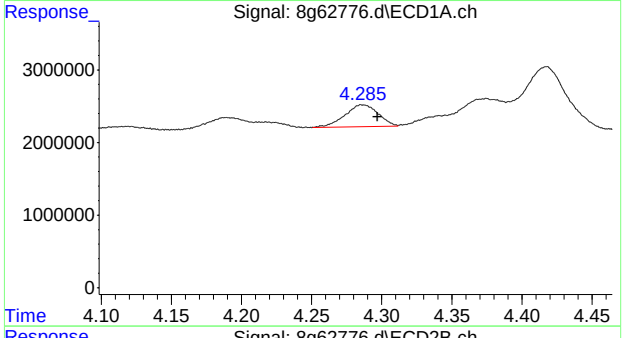
#3 hexachlorobenzene

R.T.: 3.297 min
Delta R.T.: -0.008 min
Response: 6242939
Conc: 0.07 PPB m



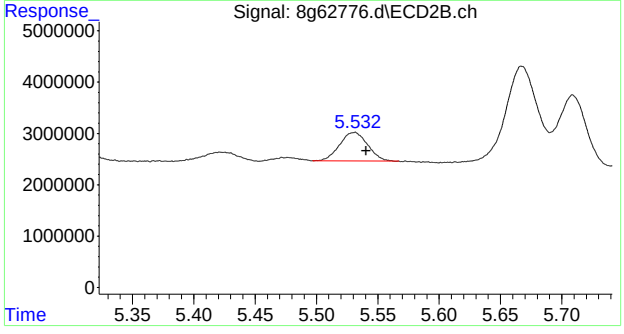
#3 hexachlorobenzene

R.T.: 4.228 min
Delta R.T.: -0.011 min
Response: 7839181
Conc: 0.05 PPB m



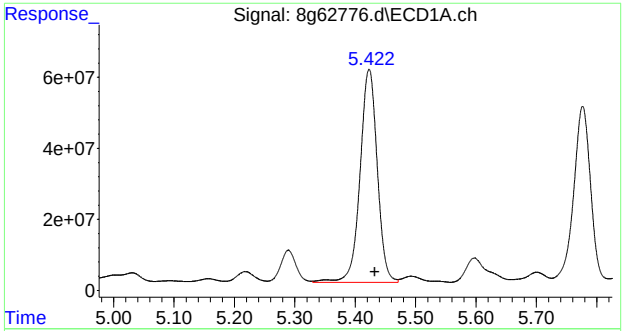
#6 Heptachlor

R.T.: 4.285 min
Delta R.T.: -0.012 min
Response: 5032884
Conc: 0.06 PPB m



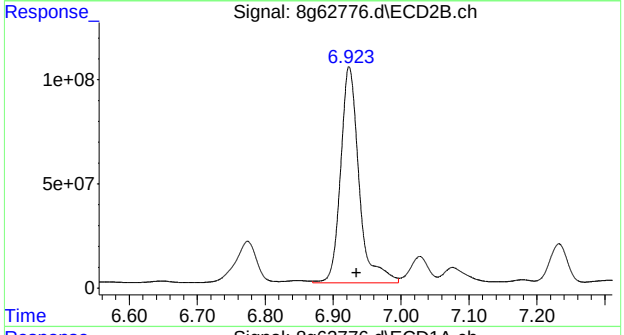
#6 Heptachlor

R.T.: 5.532 min
Delta R.T.: -0.009 min
Response: 8921455
Conc: 0.06 PPB m



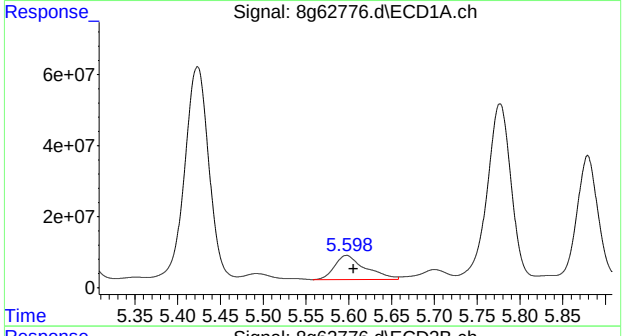
#11 Heptachlor Epoxide

R.T.: 5.423 min
Delta R.T.: -0.009 min
Response: 1188725456
Conc: 16.62 PPB



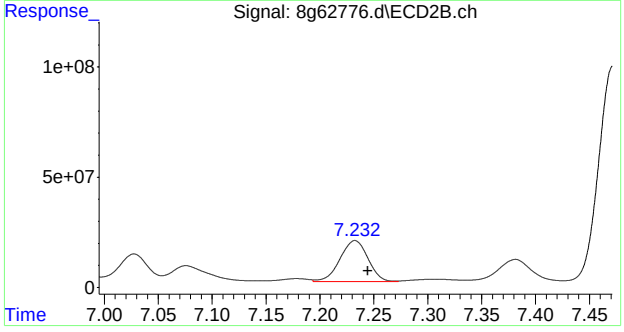
#11 Heptachlor Epoxide

R.T.: 6.924 min
Delta R.T.: -0.010 min
Response: 1959195646
Conc: 12.79 PPB



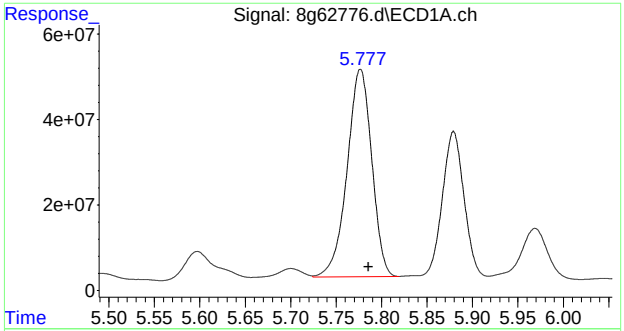
#12 gamma-Chlordane

R.T.: 5.598 min
Delta R.T.: -0.008 min
Response: 170462224
Conc: 2.24 PPB



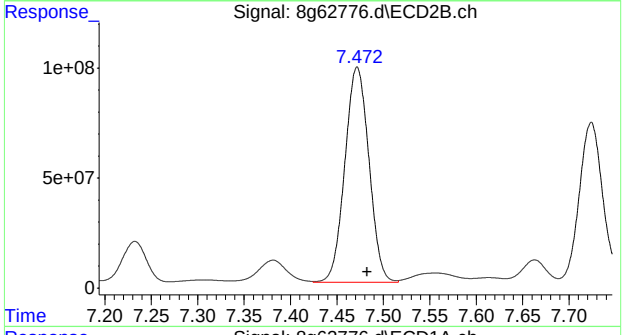
#12 gamma-Chlordane

R.T.: 7.232 min
Delta R.T.: -0.012 min
Response: 339041065
Conc: 2.24 PPB



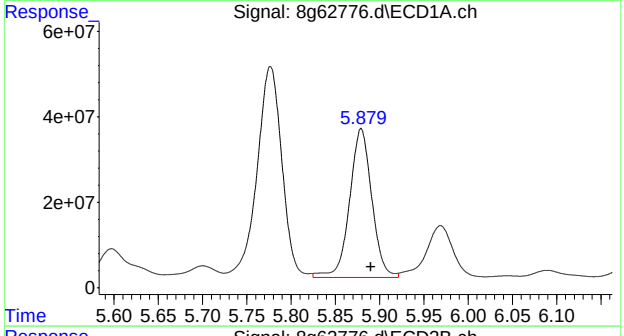
#13 alpha-Chlordane

R.T.: 5.777 min
Delta R.T.: -0.009 min
Response: 915813819
Conc: 12.90 PPB m



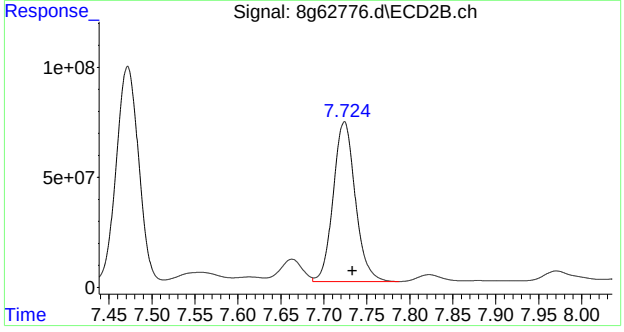
#13 alpha-Chlordane

R.T.: 7.472 min
Delta R.T.: -0.011 min
Response: 1767707422
Conc: 11.75 PPB



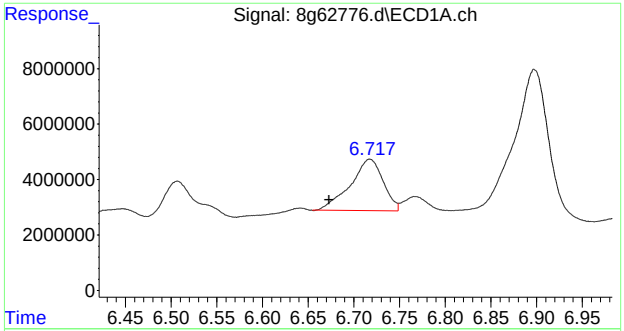
#15 4,4'-DDE

R.T.: 5.879 min
Delta R.T.: -0.011 min
Response: 608587125
Conc: 8.38 PPB



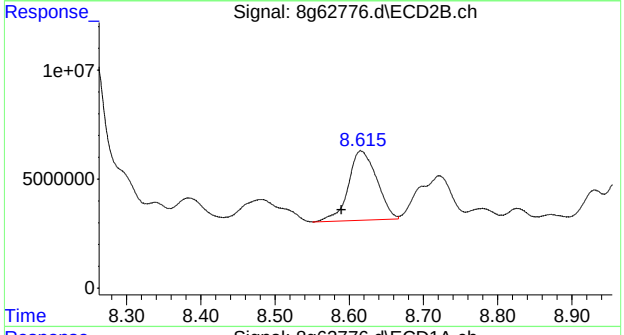
#15 4,4'-DDE

R.T.: 7.724 min
Delta R.T.: -0.010 min
Response: 1300277284
Conc: 8.91 PPB



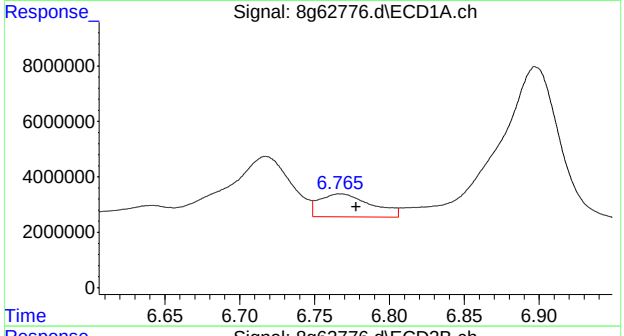
#17 Endrin

R.T.: 6.717 min
Delta R.T.: 0.045 min
Response: 46585591
Conc: 0.82 PPB m



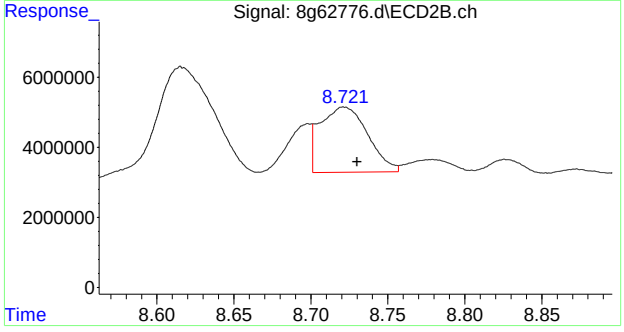
#17 Endrin

R.T.: 8.617 min
Delta R.T.: 0.028 min
Response: 84815363
Conc: 0.75 PPB



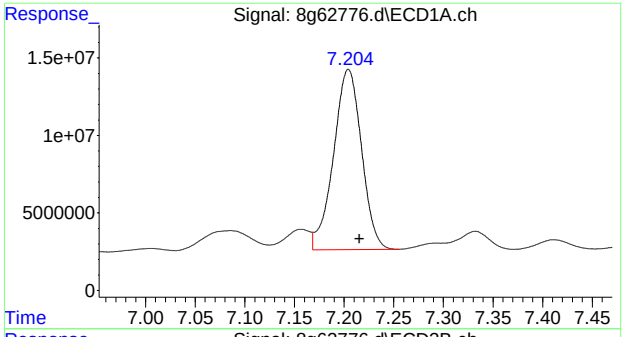
#18 4,4'-DDD

R.T.: 6.765 min
Delta R.T.: -0.012 min
Response: 19937029
Conc: 0.33 PPB m



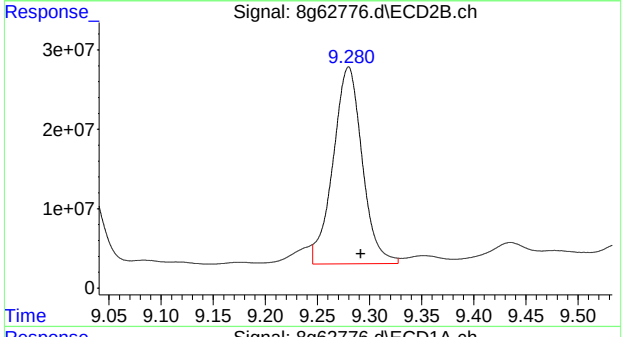
#18 4,4'-DDD

R.T.: 8.721 min
Delta R.T.: -0.009 min
Response: 39751884
Conc: 0.31 PPB m



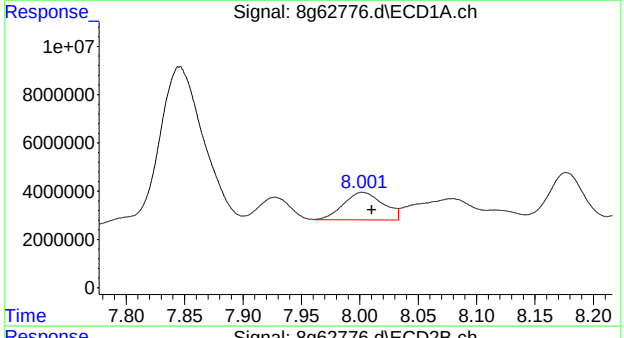
#20 4,4'-DDT

R.T.: 7.204 min
Delta R.T.: -0.012 min
Response: 228791627
Conc: 3.73 PPB m



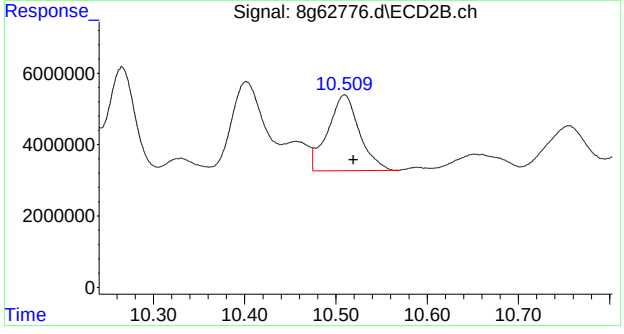
#20 4,4'-DDT

R.T.: 9.280 min
Delta R.T.: -0.011 min
Response: 482009135
Conc: 4.54 PPB m



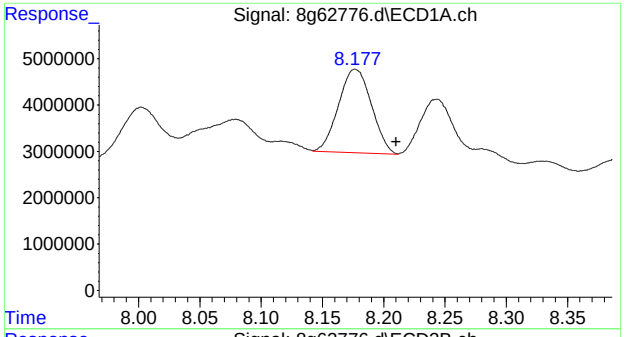
#23 Methoxychlor

R.T.: 8.001 min
Delta R.T.: -0.009 min
Response: 27230929
Conc: 0.76 PPB m



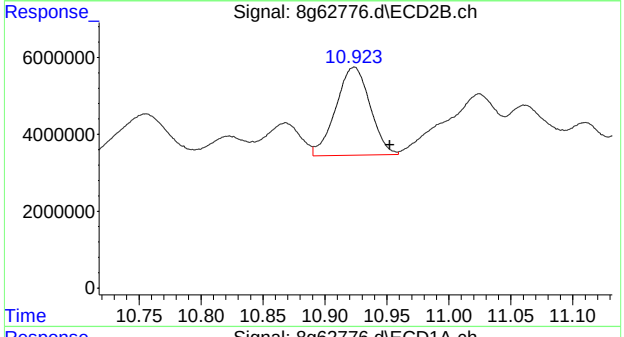
#23 Methoxychlor

R.T.: 10.509 min
Delta R.T.: -0.010 min
Response: 51164185
Conc: 0.97 PPB



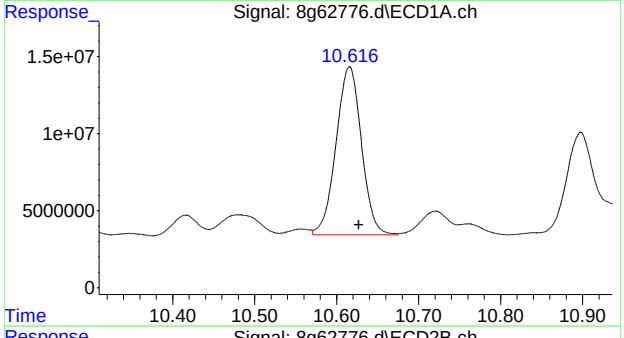
#24 Mirex

R.T.: 8.177 min
Delta R.T.: -0.034 min
Response: 33632353
Conc: 0.62 PPB m



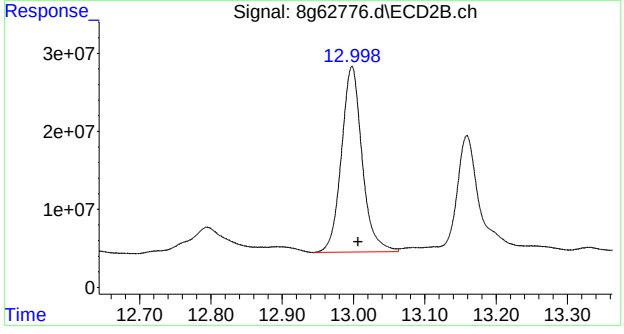
#24 Mirex

R.T.: 10.923 min
Delta R.T.: -0.029 min
Response: 44029460
Conc: 0.58 PPB



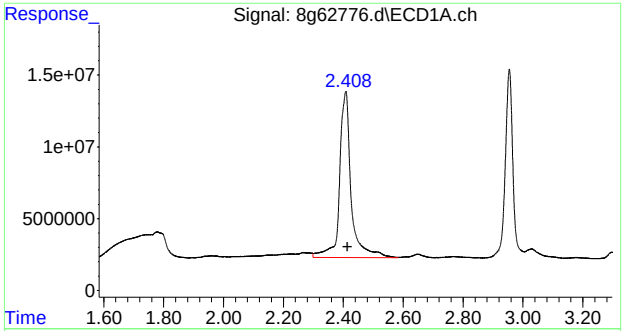
#26 Decachlorobiphenyl

R.T.: 10.616 min
Delta R.T.: -0.011 min
Response: 234603060
Conc: 4.01 PPB m



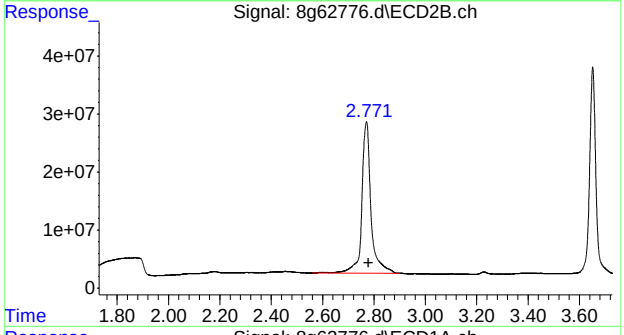
#26 Decachlorobiphenyl

R.T.: 12.998 min
Delta R.T.: -0.009 min
Response: 480732915
Conc: 5.27 PPB



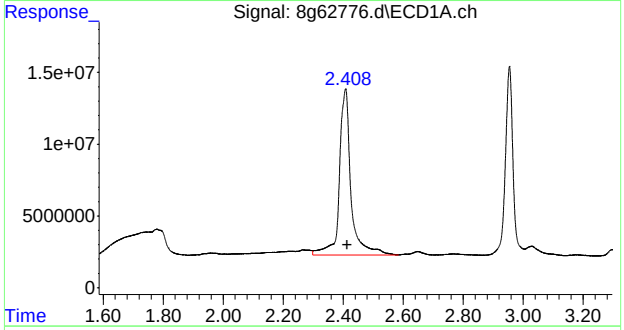
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.408 min
Delta R.T.: -0.006 min
Response: 309365757
Conc: 5.00 PPB m



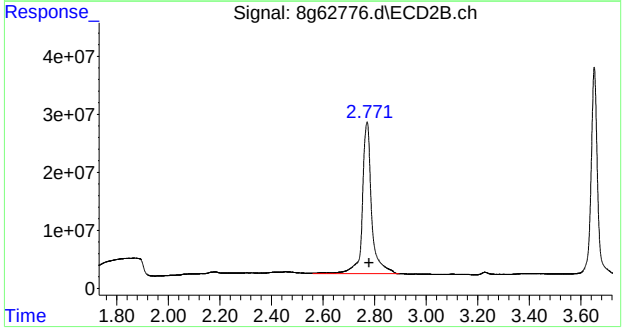
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.771 min
Delta R.T.: -0.007 min
Response: 650123704
Conc: 5.00 PPB m



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.408 min
Delta R.T.: -0.006 min
Response: 311674489
Conc: 5.00 PPB m



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.771 min
Delta R.T.: -0.007 min
Response: 651531215
Conc: 5.00 PPB m

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 12/04/24 13:36

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\maryannl\g8g2697\
Data File : 8g62735.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 1 Dec 2024 8:04 am
Operator : rebeccak
Sample : je1300-51 m
Misc : op59787,g8g2697,54.5,,,2,1
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 02 07:47:08 2024
Quant Method : C:\msdchem\1\data\maryannl\g8g2697\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1) I	1-bromo-2...	2.414	2.778	264.1E6	677.6E6	5.000m	5.000
27) I	1-bromo-2...	2.414	2.778	262.1E6	677.6E6	5.000m	5.000
33) I	1-bromo-2...	2.414	2.778	264.7E6	677.6E6	5.000m	5.000
	System Monitoring Compounds						
2) SAB	Tetrachlo...	2.963	3.662	250.8E6	673.5E6	4.921m	4.057
	Spiked Amount	40.000	Range 30 - 150	Recovery	=	12.30%#	10.14%#
26) SA	Decachlor...	10.626	13.005	228.0E6	323.7E6	4.651	3.448
	Spiked Amount	40.000		Recovery	=	11.63%	8.62%
	Target Compounds						
	SemiQuant Compounds - Not Calibrated on this Instrument						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

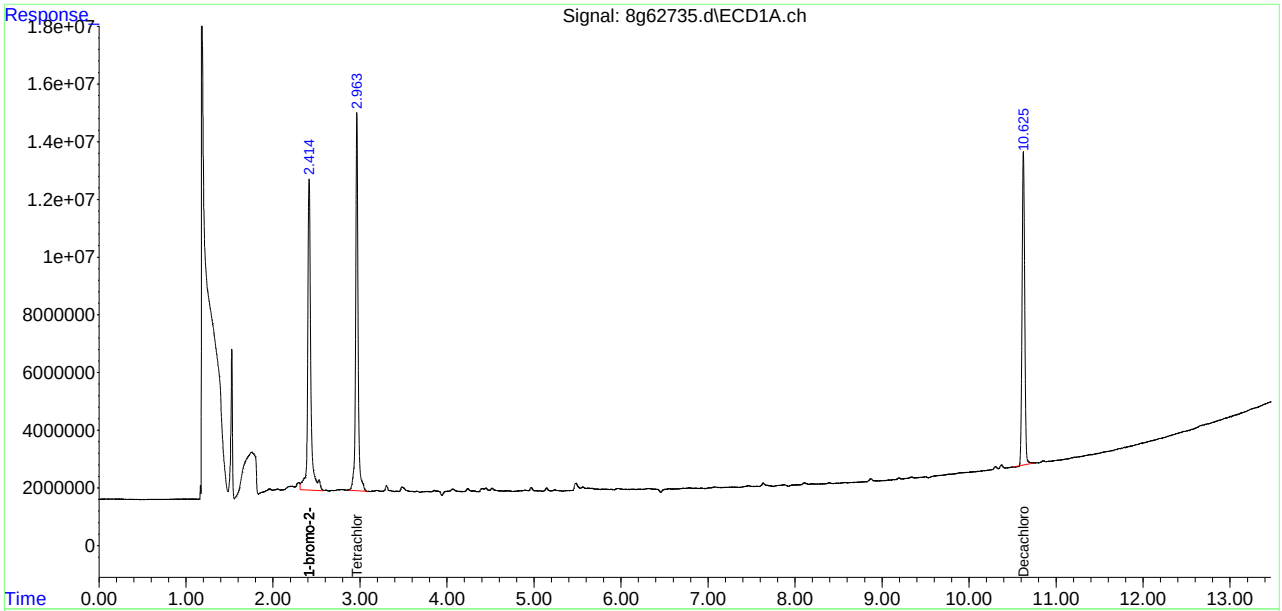
11.1.3 11

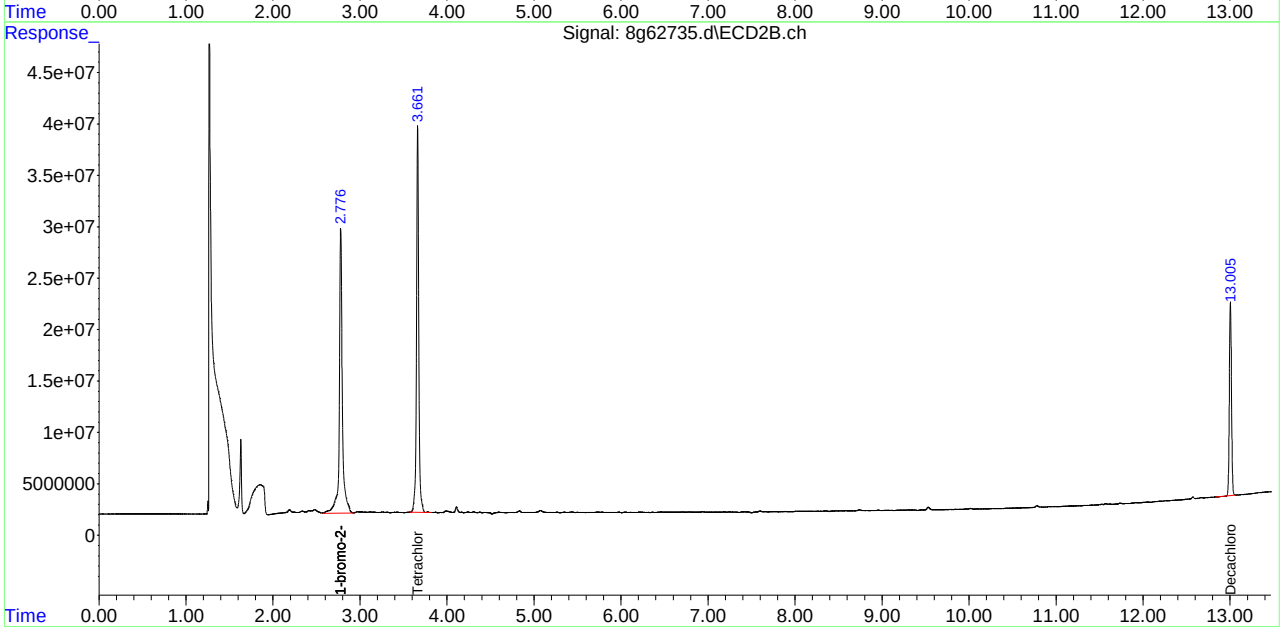
Quantitation Report (QT Reviewed)

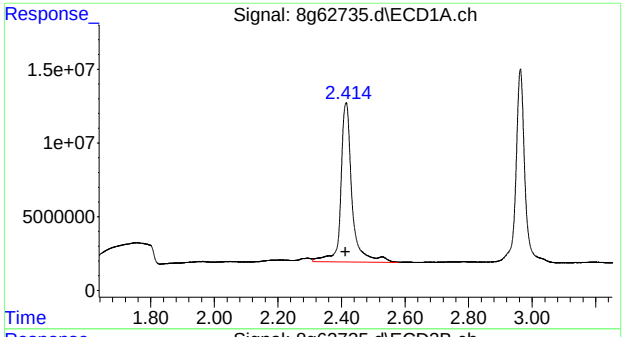
Data Path : C:\msdchem\1\data\maryannl\g8g2697\
Data File : 8g62735.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 1 Dec 2024 8:04 am
Operator : rebeccak
Sample : je1300-51 m
Misc : op59787,g8g2697,54.5,,,2,1
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 02 07:47:08 2024
Quant Method : C:\msdchem\1\data\maryannl\g8g2697\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

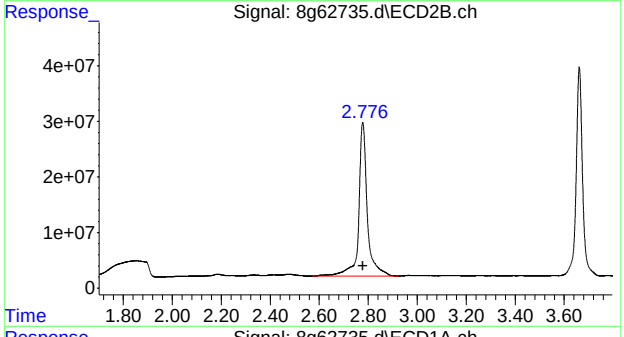






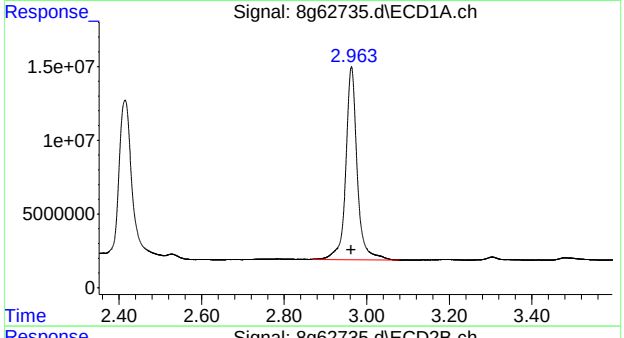
#1 1-bromo-2-nitrobenzene

R.T.: 2.414 min
Delta R.T.: 0.000 min
Response: 264140033
Conc: 5.00 PPB m



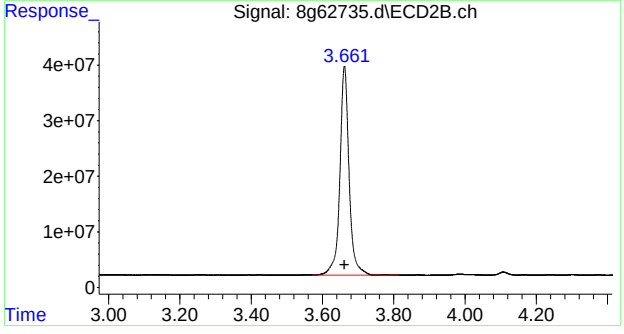
#1 1-bromo-2-nitrobenzene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 677553821
Conc: 5.00 PPB



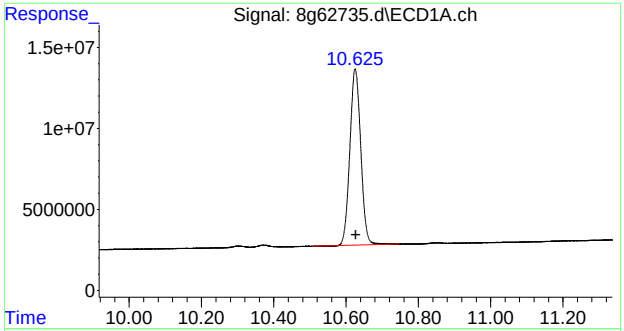
#2 Tetrachloro-m-xylene

R.T.: 2.963 min
Delta R.T.: 0.000 min
Response: 250790339
Conc: 4.92 PPB m



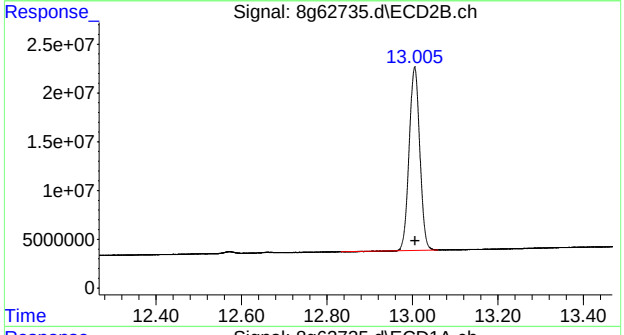
#2 Tetrachloro-m-xylene

R.T.: 3.662 min
Delta R.T.: 0.000 min
Response: 673548849
Conc: 4.06 PPB



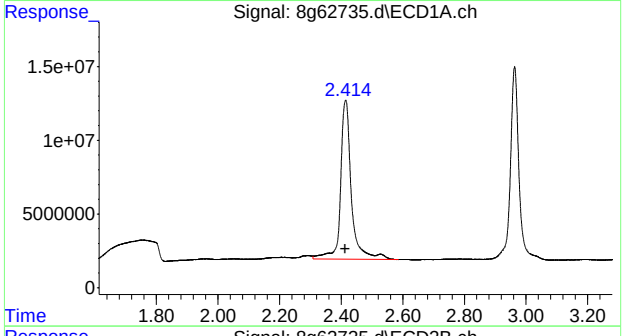
#26 Decachlorobiphenyl

R.T.: 10.626 min
Delta R.T.: -0.002 min
Response: 228003901
Conc: 4.65 PPB



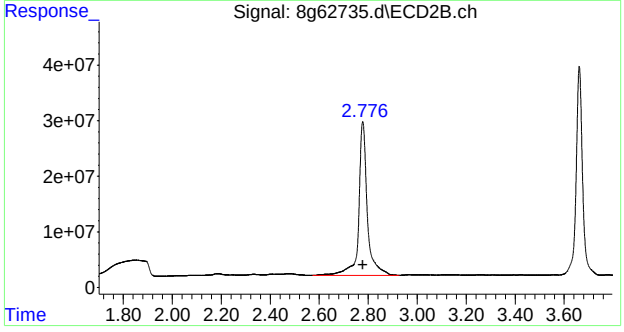
#26 Decachlorobiphenyl

R.T.: 13.005 min
Delta R.T.: -0.001 min
Response: 323736588
Conc: 3.45 PPB



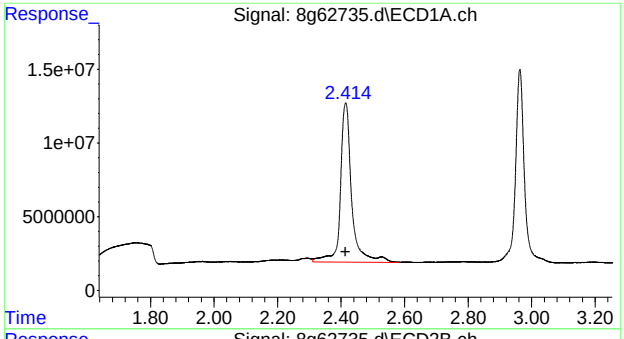
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.414 min
Delta R.T.: 0.000 min
Response: 262084028
Conc: 5.00 PPB m



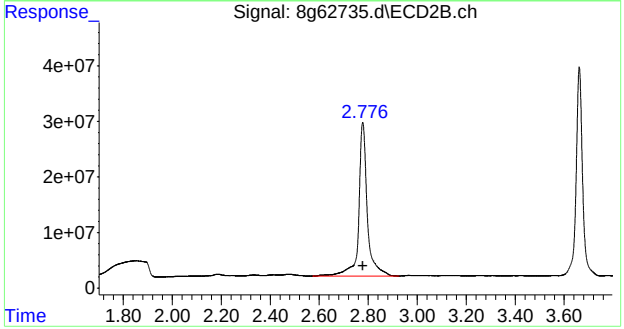
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 677553821
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.414 min
Delta R.T.: 0.000 min
Response: 264716305
Conc: 5.00 PPB m



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 677553821
Conc: 5.00 PPB

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 12/04/24 10:07

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\maryannl\grl549\
Data File : RL23028.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Dec 2024 11:49 am
Operator : rebeccak
Sample : je1300-51 m
Misc : op59788,grl549,54.5,,,2,1
ALS Vial : 73 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 02 09:01:12 2024
Quant Method : C:\msdchem\1\data\maryannl\grl549\pcblvigcrl343.m
Quant Title :
QLast Update : Mon Dec 02 08:20:01 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1)	S Tetrachlo...	3.680	4.030	616.6E6	482.4E6	2.829m	3.204
	Spiked Amount 40.000			Recovery	=	7.07%	8.01%
51)	S Decachlor...	9.525	10.341	635.8E6	526.6E6	4.331	4.699
	Spiked Amount 40.000			Recovery	=	10.83%	11.75%
	Target Compounds						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

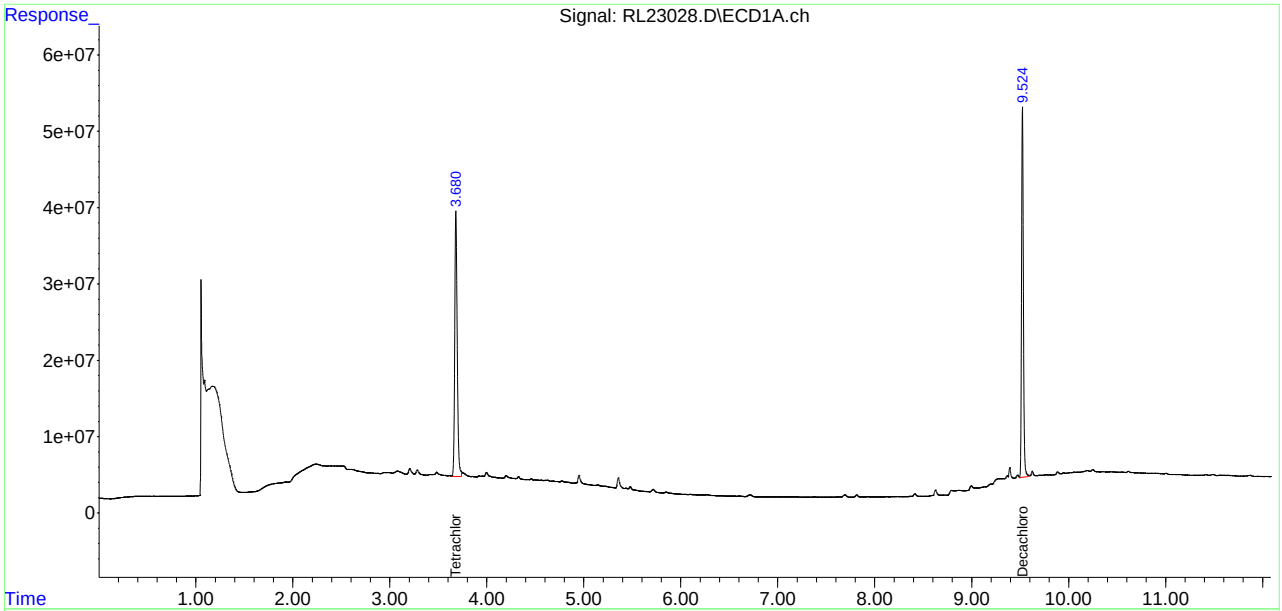
11.1.4
11

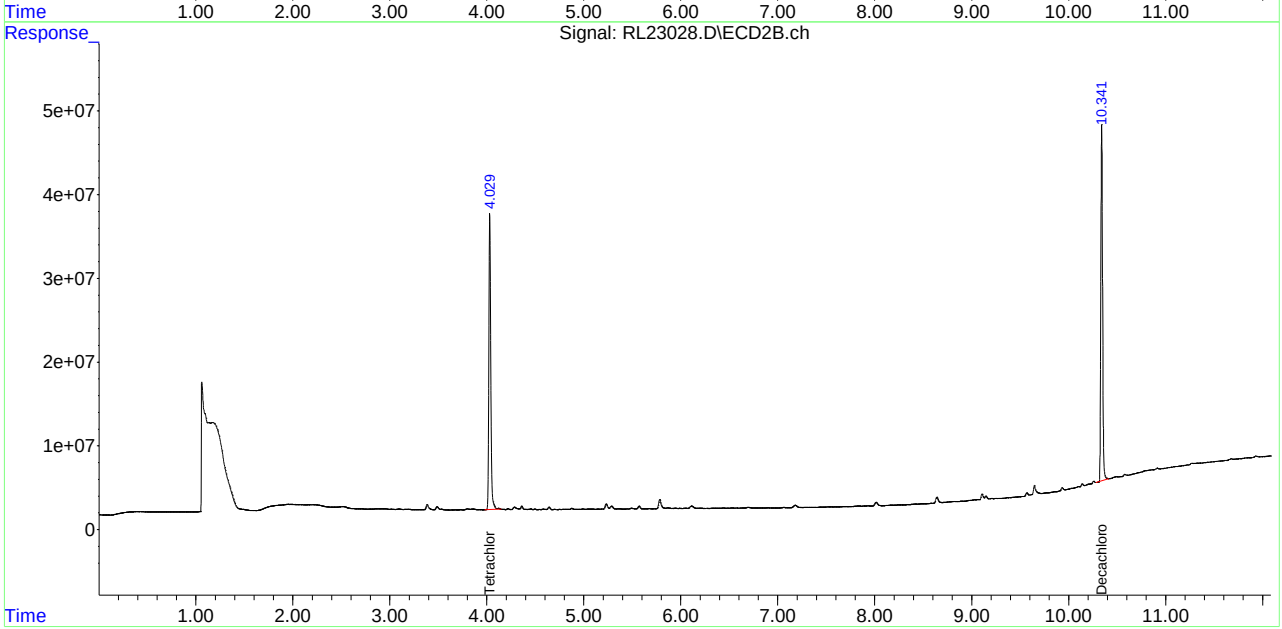
Quantitation Report (QT Reviewed)

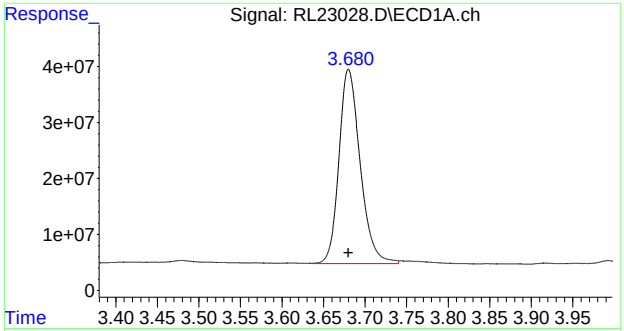
Data Path : C:\msdchem\1\data\maryannl\grl549\
Data File : RL23028.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Dec 2024 11:49 am
Operator : rebeccak
Sample : je1300-51 m
Misc : op59788,grl549,54.5,,,2,1
ALS Vial : 73 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 02 09:01:12 2024
Quant Method : C:\msdchem\1\data\maryannl\grl549\pcblvigcrl343.m
Quant Title :
QLast Update : Mon Dec 02 08:20:01 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

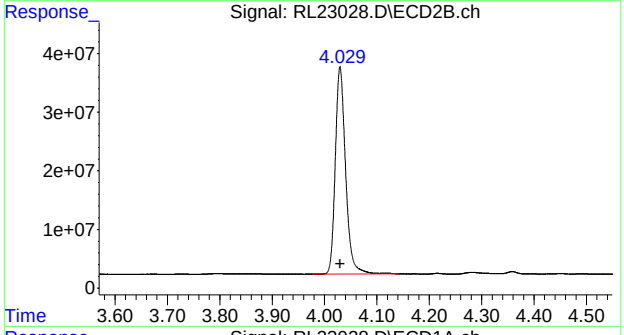






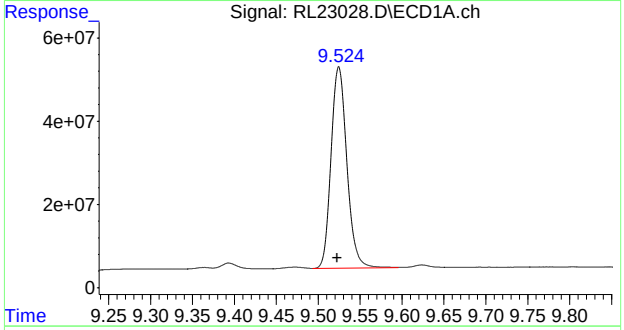
#1 Tetrachloro-m-xylene

R.T.: 3.680 min
Delta R.T.: 0.000 min
Response: 616625707
Conc: 2.83 ppb m



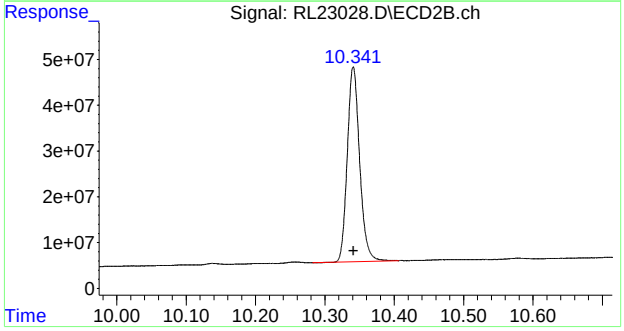
#1 Tetrachloro-m-xylene

R.T.: 4.030 min
Delta R.T.: 0.000 min
Response: 482401699
Conc: 3.20 ppb



#51 Decachlorobiphenyl

R.T.: 9.525 min
Delta R.T.: 0.002 min
Response: 635806732
Conc: 4.33 ppb



#51 Decachlorobiphenyl

R.T.: 10.341 min
Delta R.T.: 0.000 min
Response: 526643025
Conc: 4.70 ppb

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 12/04/24 13:36

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\maryannl\g8g2697\
Data File : 8g62732.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 1 Dec 2024 6:52 am
Operator : rebeccak
Sample : op59787-mb1 m
Misc : op59787,g8g2697,54.4,,,2,1
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 02 07:39:10 2024
Quant Method : C:\msdchem\1\data\maryannl\g8g2697\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1) I	1-bromo-2...	2.414	2.779	335.8E6	890.0E6	5.000m	5.000
27) I	1-bromo-2...	2.414	2.779	336.5E6	890.0E6	5.000m	5.000
33) I	1-bromo-2...	2.414	2.779	333.1E6	890.0E6	5.000m	5.000
	System Monitoring Compounds						
2) SAB	Tetrachlo...	2.962	3.662	250.5E6	684.3E6	3.867	3.138
	Spiked Amount 40.000	Range 30 - 150		Recovery =		9.67%#	7.84%#
26) SA	Decachlor...	10.626	13.006	236.4E6	334.6E6	3.794	2.713
	Spiked Amount 40.000			Recovery =		9.49%	6.78%
	Target Compounds						
	SemiQuant Compounds - Not Calibrated on this Instrument						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

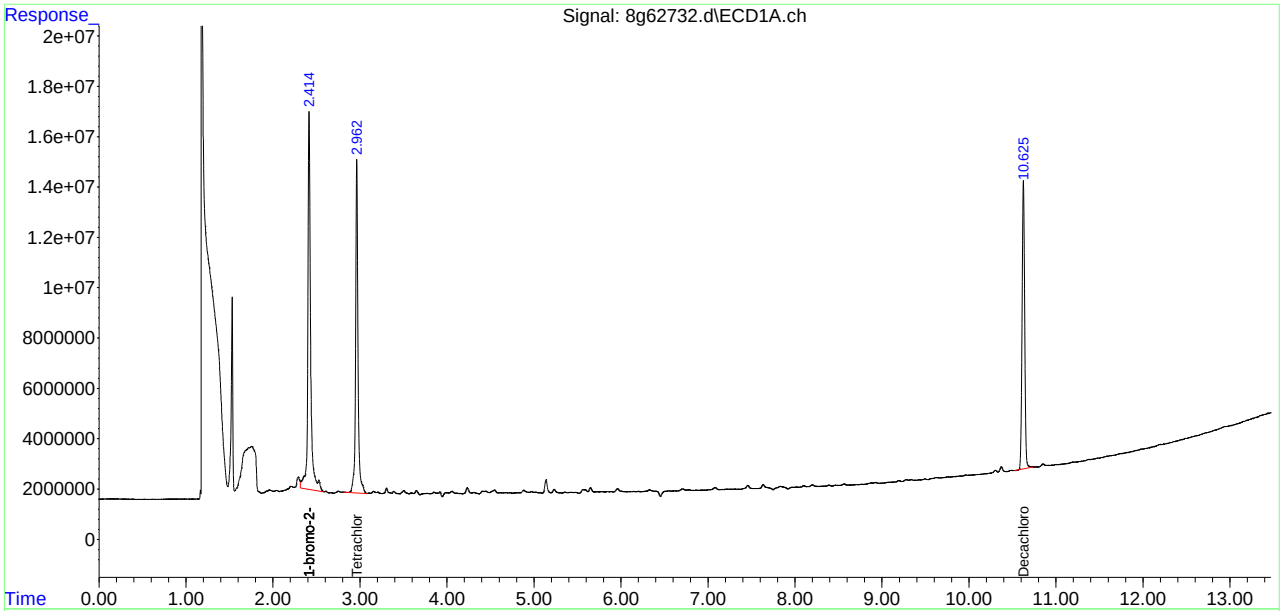
11.2.1 11

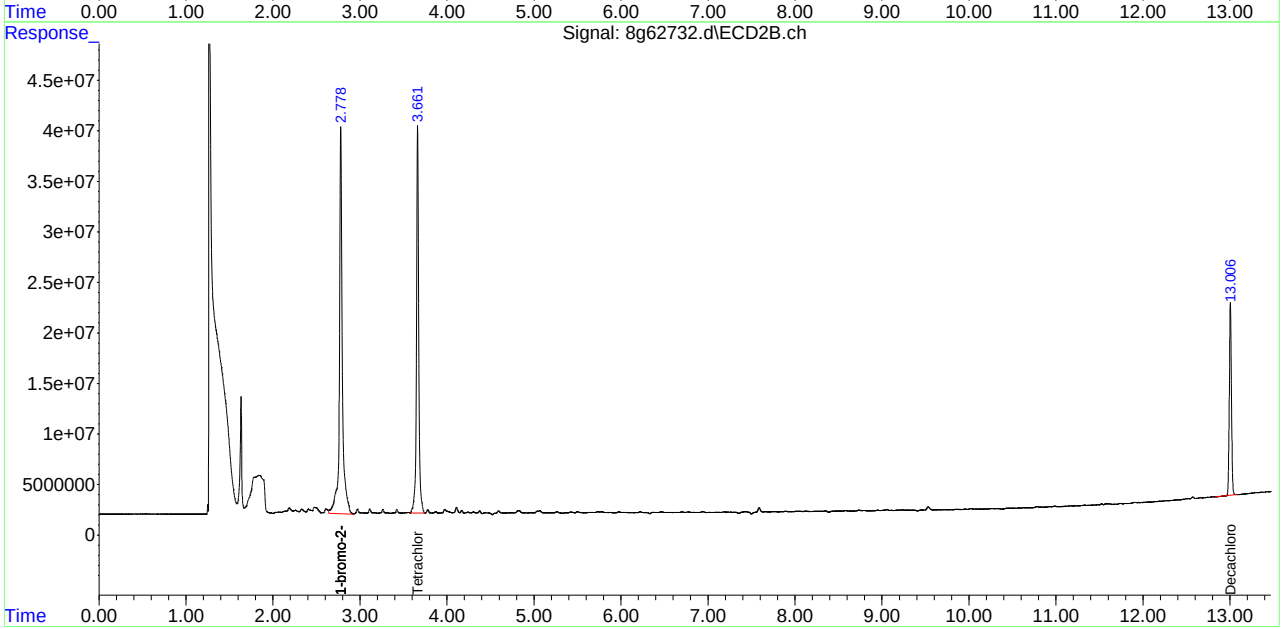
Quantitation Report (QT Reviewed)

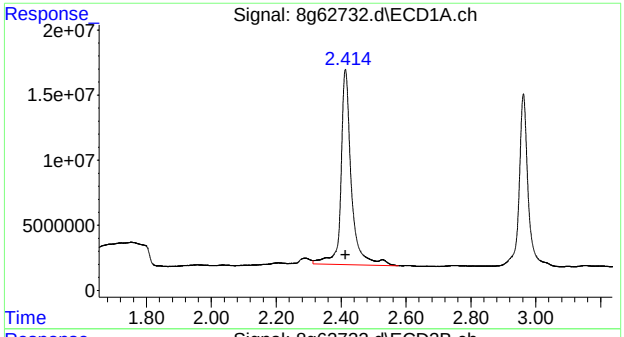
Data Path : C:\msdchem\1\data\maryannl\g8g2697\
Data File : 8g62732.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 1 Dec 2024 6:52 am
Operator : rebeccak
Sample : op59787-mb1 m
Misc : op59787,g8g2697,54.4,,,2,1
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 02 07:39:10 2024
Quant Method : C:\msdchem\1\data\maryannl\g8g2697\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

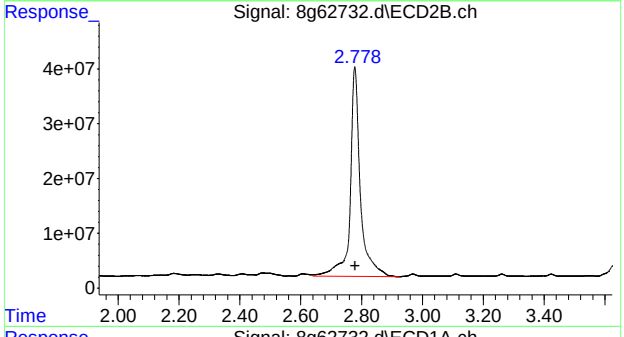






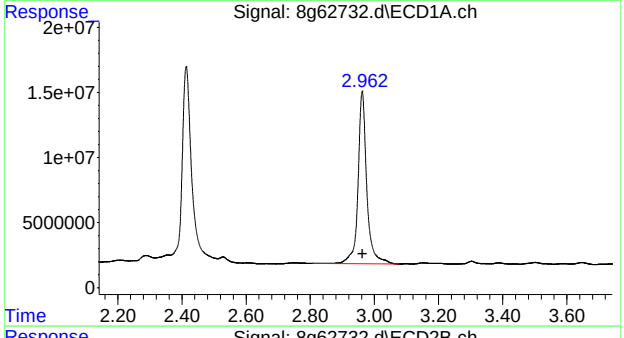
#1 1-bromo-2-nitrobenzene

R.T.: 2.414 min
Delta R.T.: 0.000 min
Response: 335774428
Conc: 5.00 PPB m



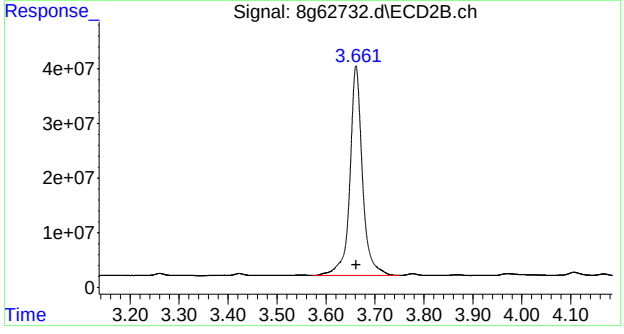
#1 1-bromo-2-nitrobenzene

R.T.: 2.779 min
Delta R.T.: 0.000 min
Response: 889959665
Conc: 5.00 PPB



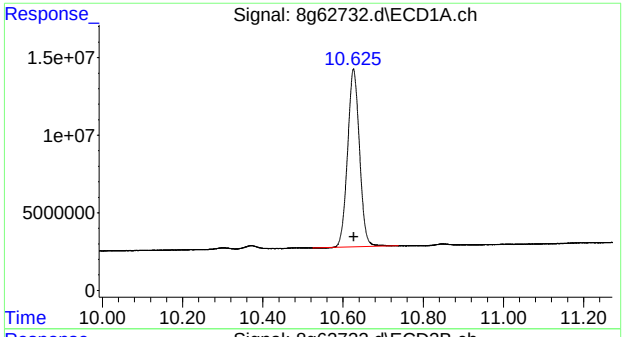
#2 Tetrachloro-m-xylene

R.T.: 2.962 min
Delta R.T.: 0.000 min
Response: 250483342
Conc: 3.87 PPB



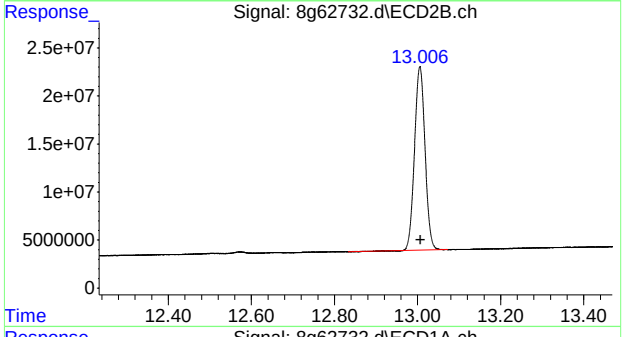
#2 Tetrachloro-m-xylene

R.T.: 3.662 min
Delta R.T.: 0.000 min
Response: 684320960
Conc: 3.14 PPB



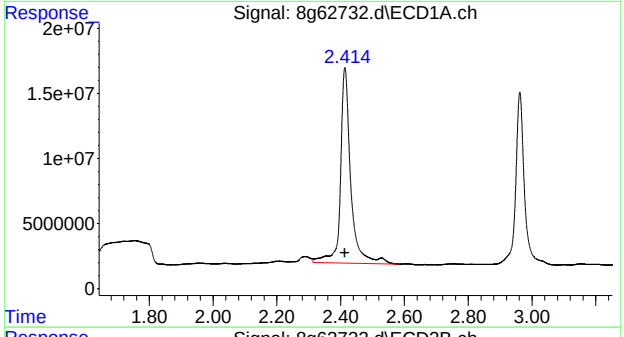
#26 Decachlorobiphenyl

R.T.: 10.626 min
Delta R.T.: 0.000 min
Response: 236442012
Conc: 3.79 PPB



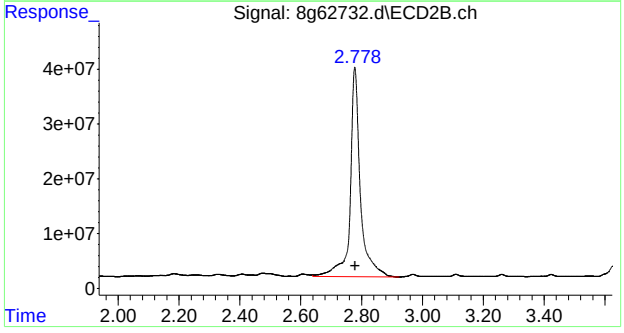
#26 Decachlorobiphenyl

R.T.: 13.006 min
Delta R.T.: 0.000 min
Response: 334631006
Conc: 2.71 PPB



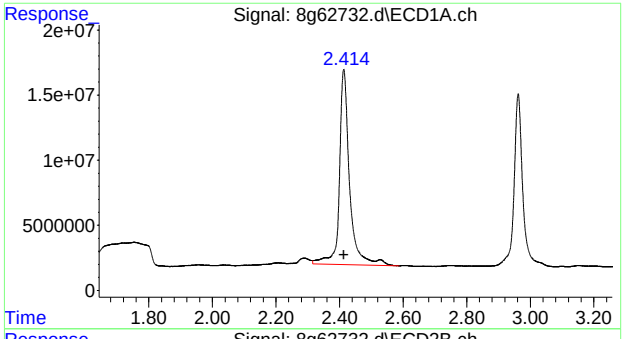
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.414 min
Delta R.T.: 0.000 min
Response: 336522154
Conc: 5.00 PPB m



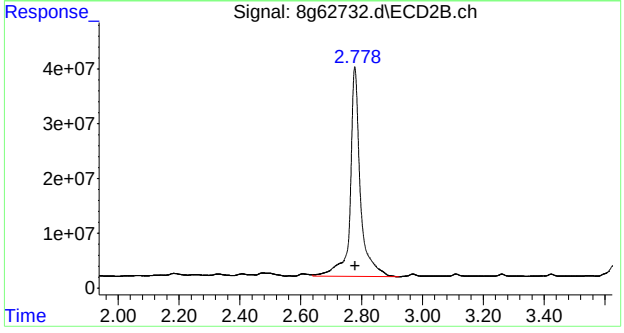
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.779 min
Delta R.T.: 0.000 min
Response: 889959665
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.414 min
Delta R.T.: 0.000 min
Response: 333114177
Conc: 5.00 PPB m



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.779 min
Delta R.T.: 0.000 min
Response: 889959665
Conc: 5.00 PPB

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2700\
Data File : 8g62769.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 3:07 am
Operator : christp
Sample : op59833-mb1 m
Misc : op59833,g8g2700,5.0,,,10,1
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 17:52:10 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1) I	1-bromo-2...	2.405	2.769	338.7E6	765.9E6	5.000	5.000
27) I	1-bromo-2...	2.405	2.769	338.7E6	765.9E6	5.000	5.000
33) I	1-bromo-2...	2.405	2.769	338.7E6	765.9E6	5.000	5.000
	System Monitoring Compounds						
2) SAB	Tetrachlo...	2.953	3.651	252.6E6	624.7E6	3.865	3.329
	Spiked Amount 40.000	Range 30 - 150		Recovery =		9.66%#	8.32%#
26) SA	Decachlor...	10.616	12.997	259.4E6	344.2E6	4.126	3.243
	Spiked Amount 40.000			Recovery =		10.32%	8.11%
	Target Compounds						
	SemiQuant Compounds - Not Calibrated on this Instrument						

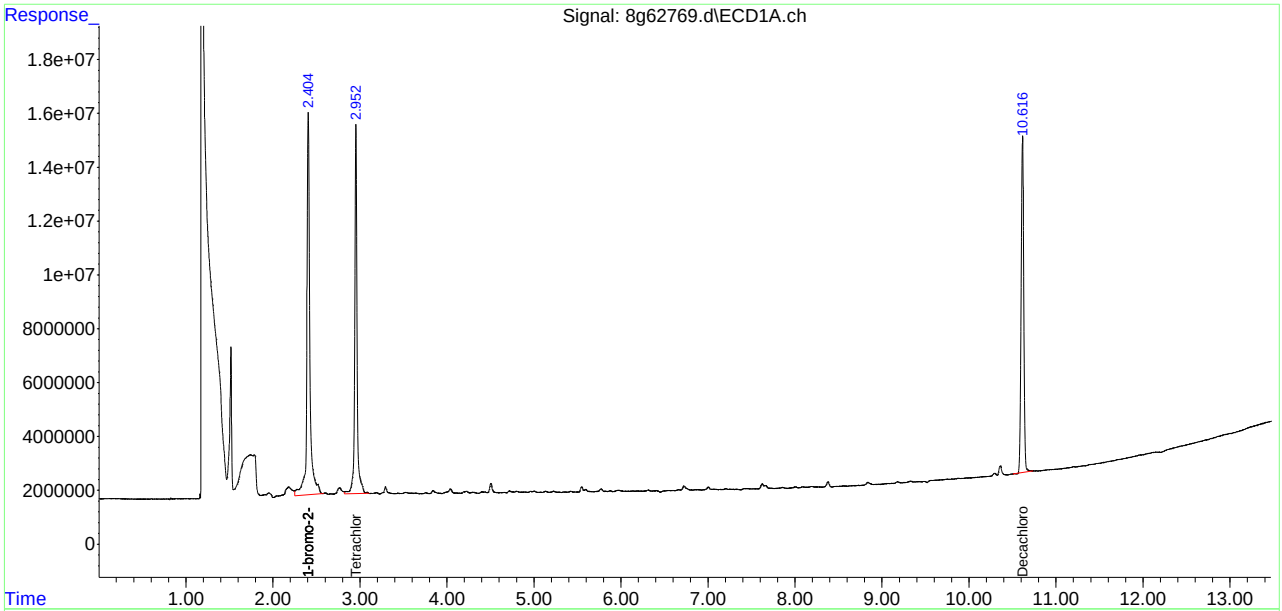
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

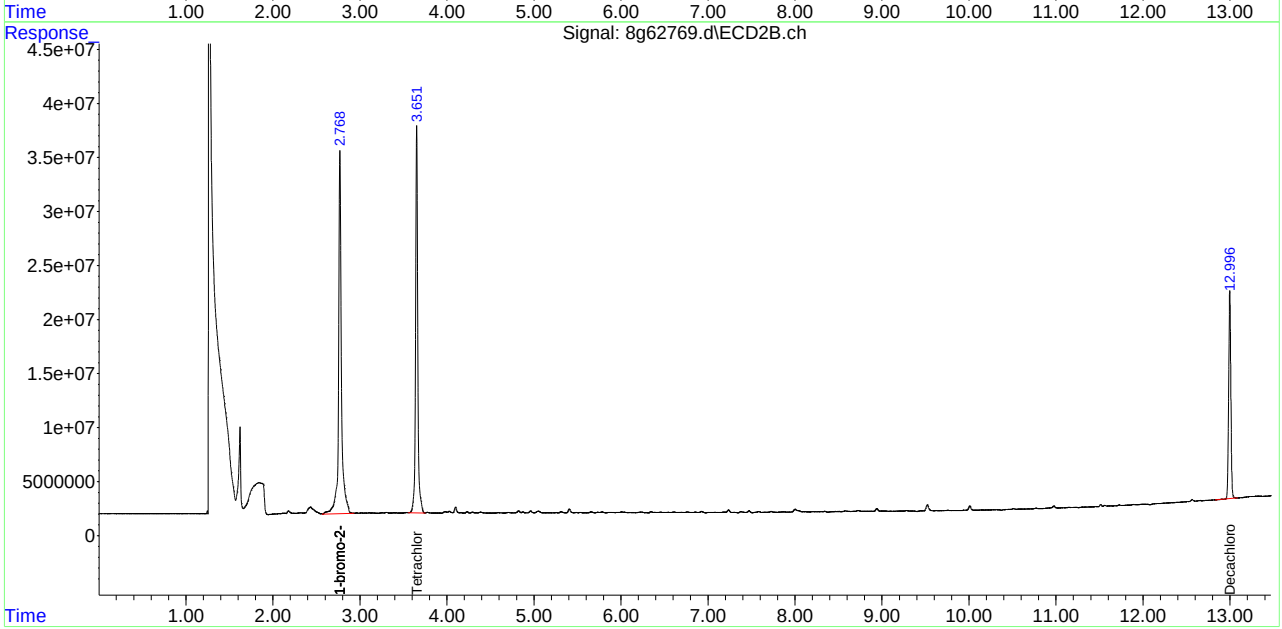
Quantitation Report (QT Reviewed)

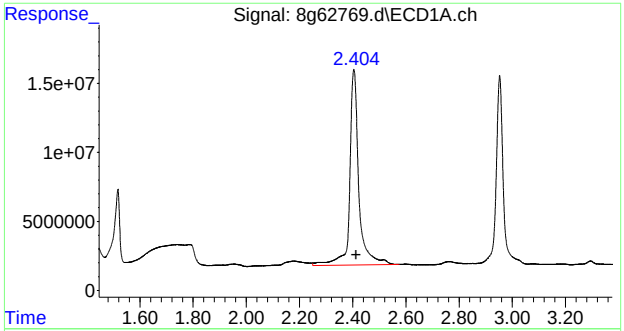
Data Path : C:\msdchem\1\data\g8g2700\
Data File : 8g62769.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 3:07 am
Operator : christp
Sample : op59833-mb1 m
Misc : op59833,g8g2700,5.0,,,10,1
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 17:52:10 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

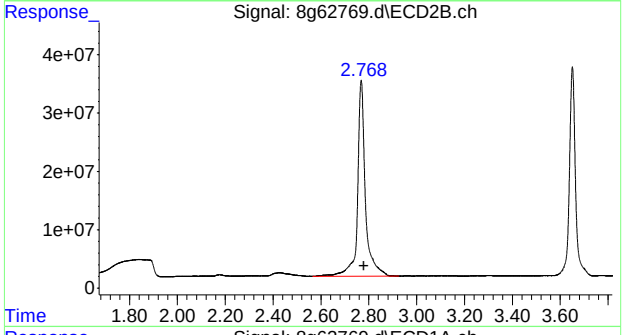






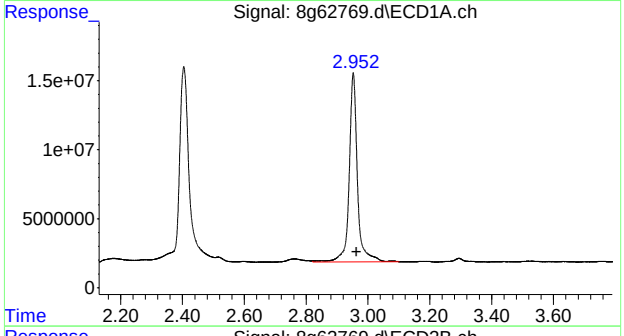
#1 1-bromo-2-nitrobenzene

R.T.: 2.405 min
Delta R.T.: -0.008 min
Response: 338702034
Conc: 5.00 PPB



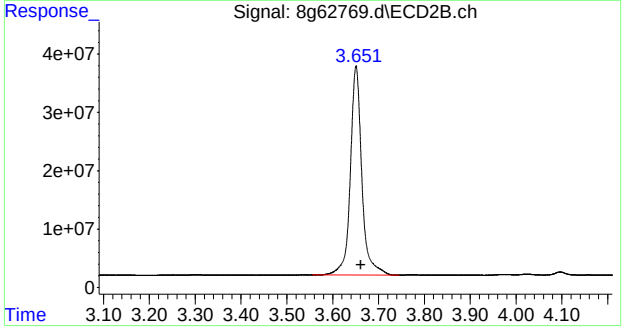
#1 1-bromo-2-nitrobenzene

R.T.: 2.769 min
Delta R.T.: -0.009 min
Response: 765887546
Conc: 5.00 PPB



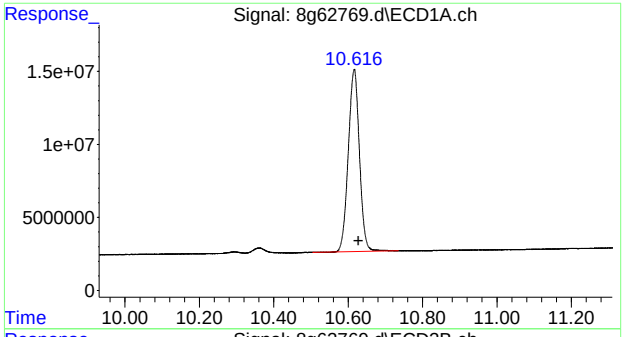
#2 Tetrachloro-m-xylene

R.T.: 2.953 min
Delta R.T.: -0.010 min
Response: 252553738
Conc: 3.86 PPB



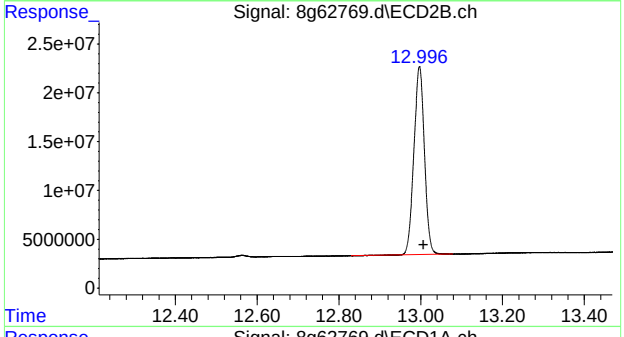
#2 Tetrachloro-m-xylene

R.T.: 3.651 min
Delta R.T.: -0.010 min
Response: 624674573
Conc: 3.33 PPB



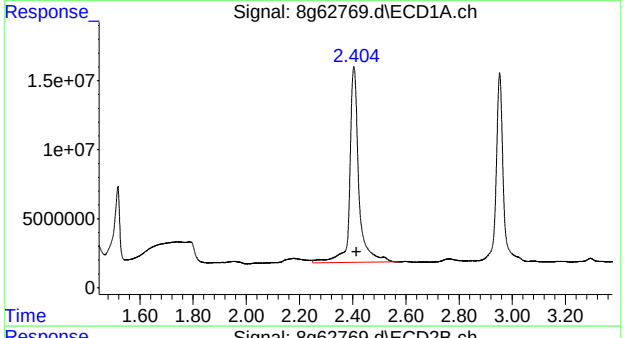
#26 Decachlorobiphenyl

R.T.: 10.616 min
Delta R.T.: -0.011 min
Response: 259354452
Conc: 4.13 PPB



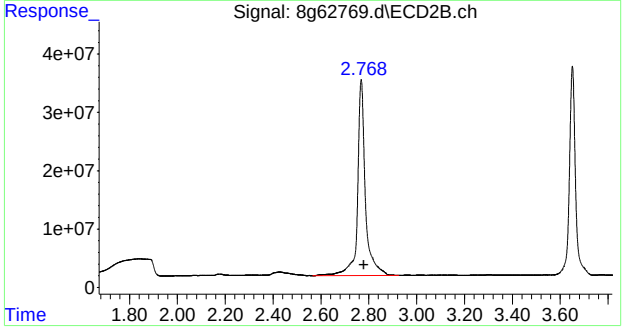
#26 Decachlorobiphenyl

R.T.: 12.997 min
Delta R.T.: -0.010 min
Response: 344241065
Conc: 3.24 PPB



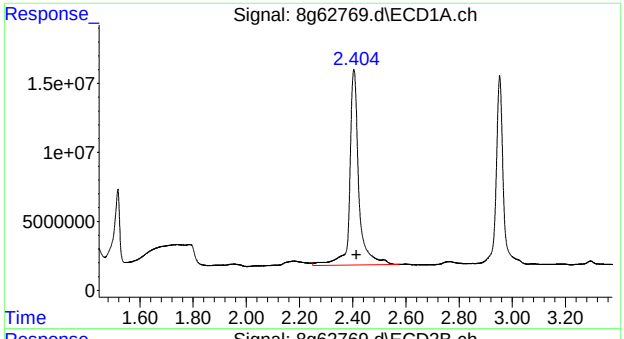
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.405 min
Delta R.T.: -0.009 min
Response: 338702034
Conc: 5.00 PPB



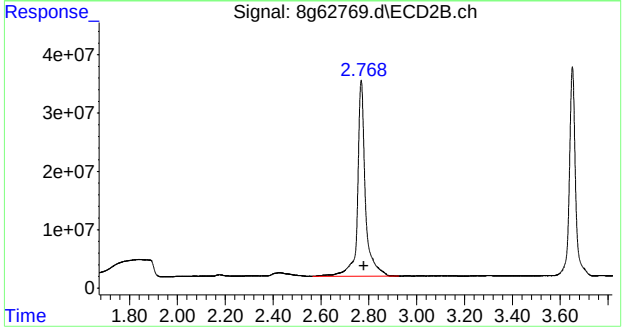
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.769 min
Delta R.T.: -0.009 min
Response: 765887546
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.405 min
Delta R.T.: -0.009 min
Response: 338702034
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.769 min
Delta R.T.: -0.009 min
Response: 765887546
Conc: 5.00 PPB

Manual Integrations APPROVED (compounds with "m" flag)
Syra Marie Pacheco
12/02/24 06:22

Quantitation Report (QT Reviewed)

Data Path : V:\completed\2024\12. December\12-02-2024\grl549\
Data File : RL23008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Dec 2024 06:03 am
Operator : rebeccak
Sample : op59788-mb1 m
Misc : op59788,grl549,54.4,,,2,1
ALS Vial : 53 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 02 08:40:19 2024
Quant Method : C:\msdchem\1\data\maryannl\grl549\pcblvigcrl343.m
Quant Title :
QLast Update : Mon Dec 02 08:20:01 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) S	Tetrachlo...	3.681	4.031	547.7E6	411.2E6	2.513	2.731
	Spiked Amount	40.000		Recovery	=	6.28%	6.83%
51) S	Decachlor...	9.525	10.343	620.7E6	496.4E6	4.228m	4.429
	Spiked Amount	40.000		Recovery	=	10.57%	11.07%
	Target Compounds						

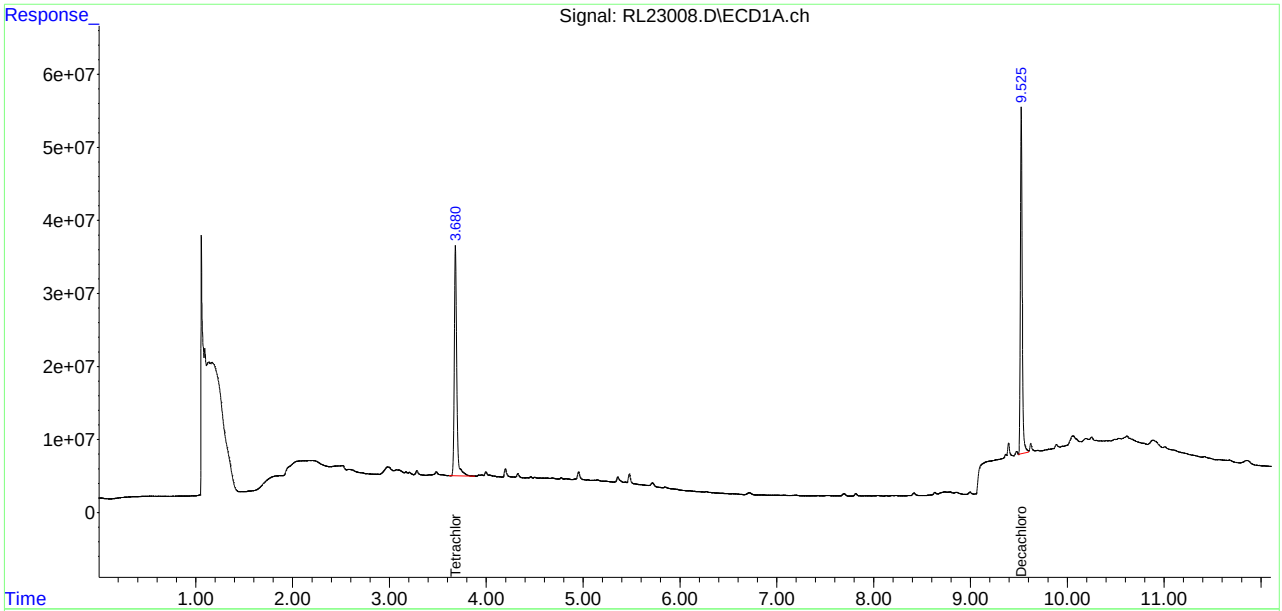
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

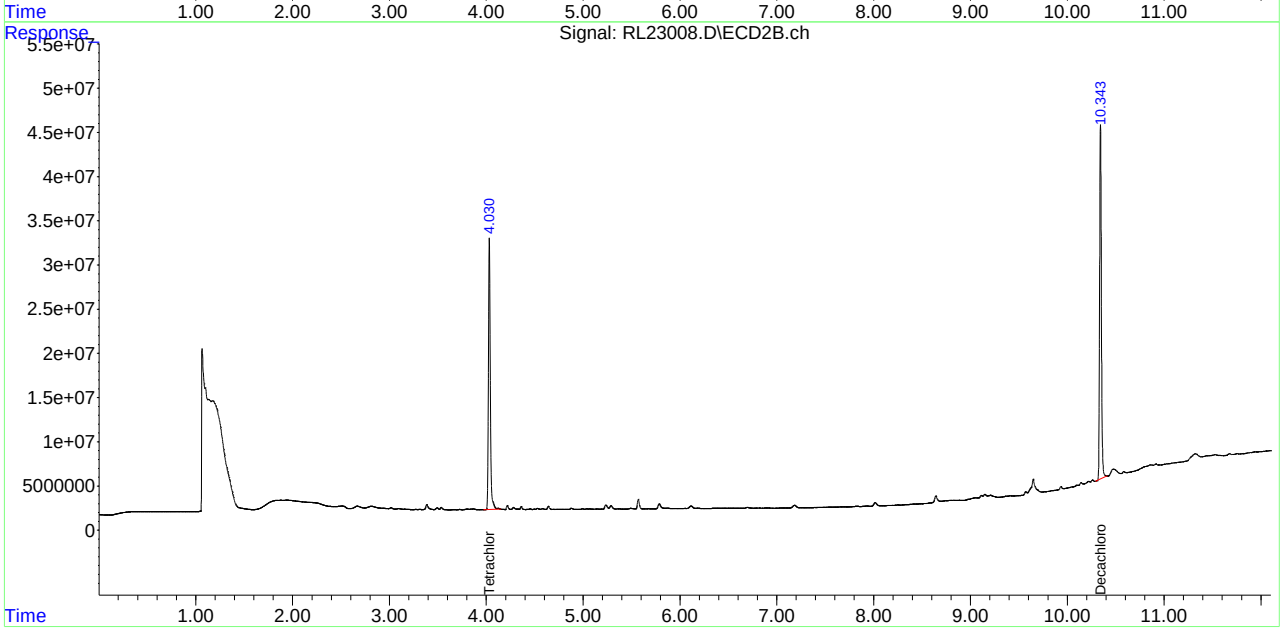
Quantitation Report (QT Reviewed)

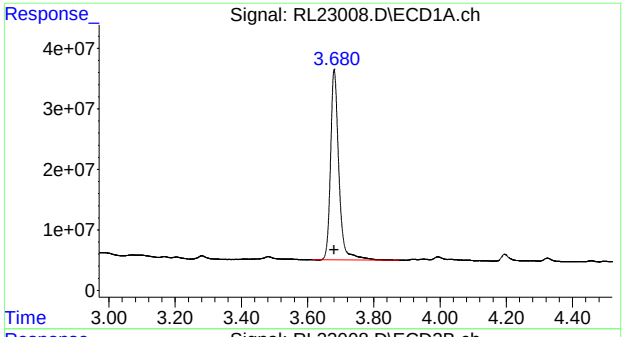
Data Path : V:\completed\2024\12. December\12-02-2024\grl549\
Data File : RL23008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Dec 2024 06:03 am
Operator : rebeccak
Sample : op59788-mb1 m
Misc : op59788,grl549,54.4,,,2,1
ALS Vial : 53 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 02 08:40:19 2024
Quant Method : C:\msdchem\1\data\maryannl\grl549\pcblvigcrl343.m
Quant Title :
QLast Update : Mon Dec 02 08:20:01 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

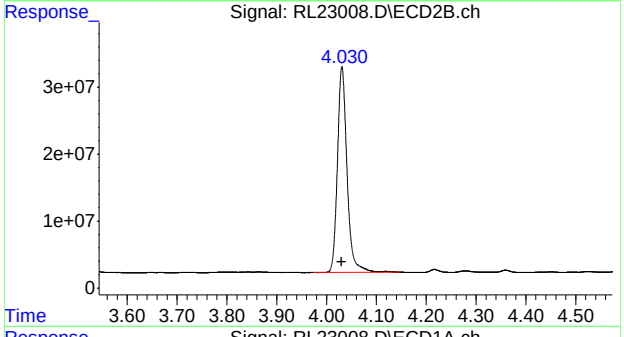






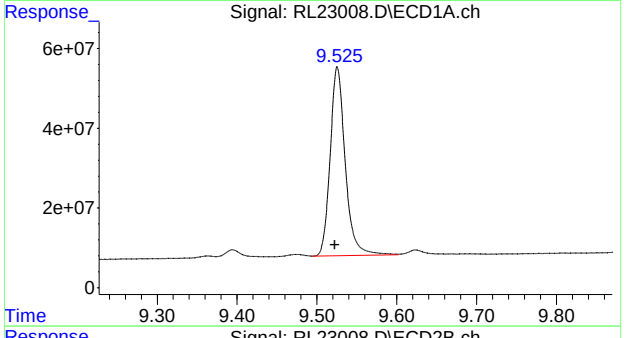
#1 Tetrachloro-m-xylene

R.T.: 3.681 min
Delta R.T.: 0.000 min
Response: 547669898
Conc: 2.51 ppb



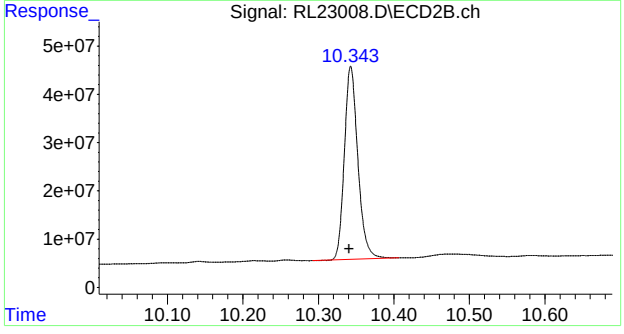
#1 Tetrachloro-m-xylene

R.T.: 4.031 min
Delta R.T.: 0.001 min
Response: 411174819
Conc: 2.73 ppb



#51 Decachlorobiphenyl

R.T.: 9.525 min
Delta R.T.: 0.002 min
Response: 620671712
Conc: 4.23 ppb m



#51 Decachlorobiphenyl

R.T.: 10.343 min
Delta R.T.: 0.002 min
Response: 496400595
Conc: 4.43 ppb

Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug 12/16/24 13:44

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g4g4525\
Data File : 4g9742178.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Dec 2024 5:40 am
Operator : rebeccak
Sample : icc4525-2.5 (pest mix)
Misc : op59859,g4g4525,5.0,,,10,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 02:12:35 2024
Quant Method : C:\msdchem\1\methods\4PSTLVI4525.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 01:05:08 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
		Internal Standards						
1)	I	1-bromo-2...	4.899	5.218	1598.8E6	573.6E6	5.000	5.000
27)	I	1-bromo-2...	4.899	5.218	1598.8E6	573.6E6	5.000	5.000
33)	I	1-bromo-2...	4.899	5.218	1598.8E6	573.6E6	5.000	5.000
		System Monitoring Compounds						
2)	SAB	Tetrachlo...	5.581	6.131	504.1E6	275.6E6	2.438	2.357
		Spiked Amount 40.000	Range 30 - 150		Recovery =		6.10%#	5.89%#
26)	SA	Decachlor...	13.095	14.727f	680.0E6	183.9E6	2.257	2.777m
		Spiked Amount 40.000			Recovery =		5.64%	6.94%
		Target Compounds						
3)		hexachlor...	5.943	6.678	905.4E6	328.4E6	2.558	2.211
4)	A	alpha-BHC	6.100	6.843	1417.0E6	494.4E6	2.608	2.435
5)	MA	gamma-BHC	6.417	7.292	1221.3E6	434.2E6	2.751	2.450
6)	MA	Heptachlor	6.939	7.893f	1323.1E6	425.2E6	2.696	2.466
7)	B	beta-BHC	6.502	7.384	415.5E6	177.5E6	2.342	2.259
8)	B	delta-BHC	6.696	7.794f	1178.3E6	421.7E6	2.237	2.486
9)	MB	Aldrin	7.288	8.362f	1181.8E6	403.2E6	2.547	2.330
10)		alachlor	7.446	8.159f	111.9E6	51954518	2.370	2.659
11)	B	Heptachlo...	8.031	9.208f	960.4E6	364.9E6	2.296	2.516
12)	B	gamma-Chl...	8.199	9.501f	1105.2E6	351.4E6	2.538	2.516
13)	B	alpha-Chl...	8.374	9.731f	1067.2E6	350.7E6	2.337	2.619
14)	A	Endosulfan I	8.558	9.832f	1011.6E6	349.5E6	2.336	2.709
15)	B	4,4'-DDE	8.489	9.993f	1010.4E6	339.3E6	2.894	2.755
16)	MA	Dieldrin	8.889	10.275f	1114.7E6	346.1E6	2.461	2.726
17)	MA	Endrin	9.220	10.789f	1057.0E6	314.8E6	2.589	2.921
18)	A	4,4'-DDD	9.343	10.960f	769.3E6	255.5E6	2.835	3.019
19)	B	Endosulfa...	9.549	11.145f	926.1E6	282.5E6	2.477	2.704
20)	MA	4,4'-DDT	9.765	11.504f	840.0E6	218.7E6	3.274	3.369
21)	B	Endrin Al...	10.188	11.724f	696.1E6	227.5E6	2.437	2.918
22)	B	Endosulfa...	10.884	12.199f	763.1E6	235.7E6	2.406	2.837
23)	A	Methoxychlor	10.556	12.747f	408.2E6	116.0E6	3.436	3.617
24)		Mirex	10.717	13.082f	635.7E6	195.9E6	2.246	2.610
25)	B	Endrin Ke...	11.326	13.133f	905.8E6	286.9E6	2.305	3.042 #

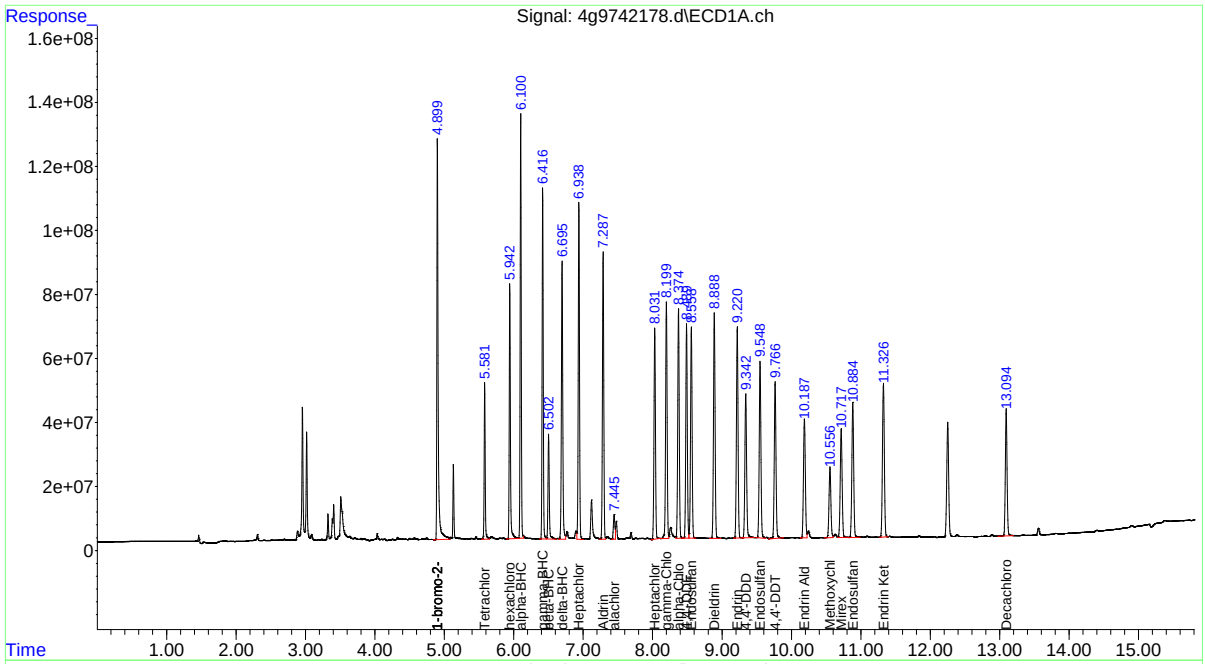
SemiQuant Compounds - Not Calibrated on this Instrument

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\msdchem\1\data\g4g4525\
Data File : 4g9742178.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Dec 2024 5:40 am
Operator : rebeccak
Sample : icc4525-2.5 (pest mix)
Misc : op59859,g4g4525,5.0,,,10,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 02:12:35 2024
Quant Method : C:\msdchem\1\methods\4PSTLVI4525.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 01:05:08 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug 12/16/24 13:44

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g4g4525\
Data File : 4g9742182.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Dec 2024 7:21 am
Operator : rebeccak
Sample : ic4525-50 (chlordane)
Misc : op59859,g4g4525,5.0,,,10,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 16 01:16:02 2024
Quant Method : C:\msdchem\1\methods\4PSTLVI4525.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 13 02:22:35 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1) I	1-bromo-2...	4.898	5.215	1162.8E6	420.9E6	5.000	5.000
27) I	1-bromo-2...	4.898	5.215	1162.8E6	420.9E6	5.000	5.000
33) I	1-bromo-2...	4.898	5.215	1162.8E6	420.9E6	5.000	5.000
	System Monitoring Compounds						
2) SAB	Tetrachlo...	5.577	6.127	795.7E6	431.9E6	5.479	5.360
	Spiked Amount 40.000	Range 30 - 150		Recovery =		13.70%#	13.40%#
26) SA	Decachlor...	13.093	14.726	1074.8E6	279.2E6	5.468	5.282m
	Spiked Amount 40.000			Recovery =		13.67%	13.21%
	Target Compounds						
34)	Chlordane...	6.934	7.888	1040.7E6	358.4E6	51.060	28.387 #
35)	Chlordane...	7.437	8.555	497.2E6	194.5E6	45.880	27.975 #
36)	Chlordane...	8.195	9.494	2126.7E6	658.5E6	48.427	29.292 #
37)	Chlordane...	8.364	9.725	3265.6E6	1045.8E6	47.185	29.607m#
38)	Chlordane...	9.447f	11.223f	464.2E6	141.2E6	50.670m	31.677m#
	SemiQuant Compounds - Not Calibrated on this Instrument						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

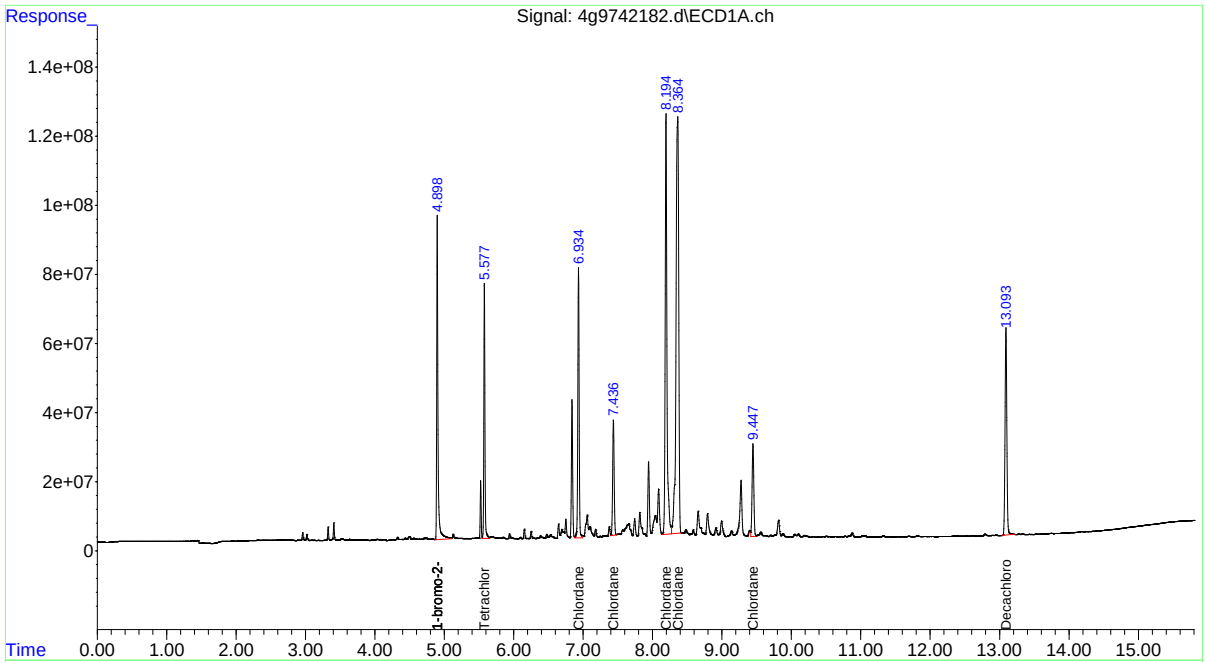
11.3.2 11

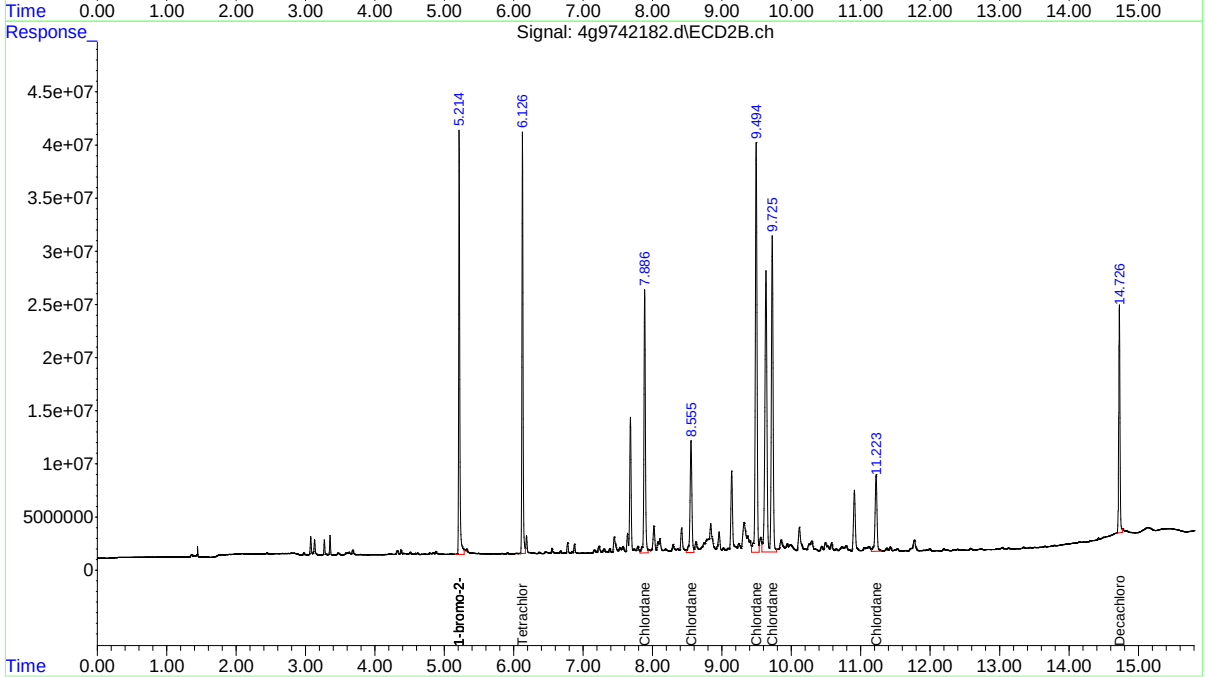
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g4g4525\
Data File : 4g9742182.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Dec 2024 7:21 am
Operator : rebeccak
Sample : ic4525-50 (chlordane)
Misc : op59859,g4g4525,5.0,,,10,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 16 01:16:02 2024
Quant Method : C:\msdchem\1\methods\4PSTLVI4525.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 13 02:22:35 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





Manual Integrations APPROVED
(compounds with "m" flag)
Rebecca Krug
12/16/24 13:44

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g4g4525\
Data File : 4g9742183.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Dec 2024 7:45 am
Operator : rebeccak
Sample : ic4525-50 (toxaphene)
Misc : op59859,g4g4525,5.0,,,10,1
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 16 01:18:28 2024
Quant Method : C:\msdchem\1\methods\4PSTLVI4525.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 13 02:22:35 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

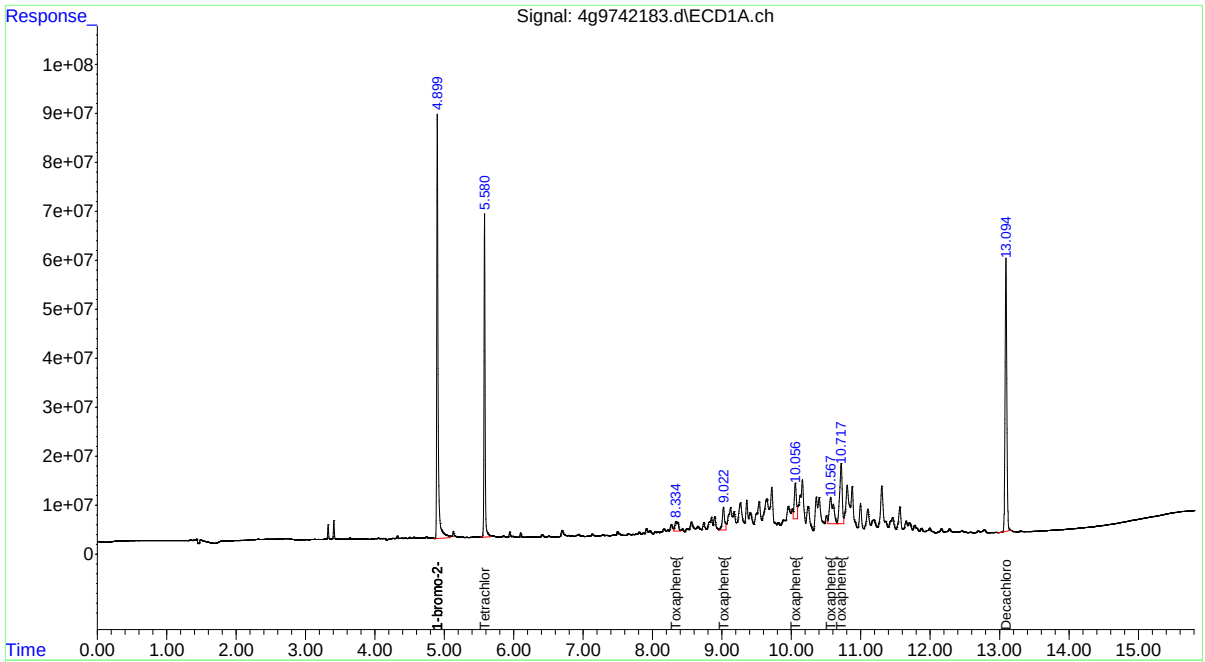
	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1)	I 1-bromo-2...	4.899	5.216	1136.6E6	411.4E6	5.000	5.000
27)	I 1-bromo-2...	4.899	5.216	1136.6E6	411.4E6	5.000	5.000
33)	I 1-bromo-2...	4.899	5.216	1136.6E6	411.4E6	5.000	5.000
	System Monitoring Compounds						
2)	SAB Tetrachlo...	5.580	6.130	714.7E6	390.1E6	5.035	4.953
	Spiked Amount	40.000	Range 30 - 150	Recovery	=	12.59%#	12.38%#
26)	SA Decachlor...	13.094	14.728	962.1E6	248.7E6	5.008	4.814m
	Spiked Amount	40.000		Recovery	=	12.52%	12.04%
	Target Compounds						
28)	L8 Toxaphene{A}	8.334	10.411	66412871	21646433	53.941m	30.582m#
29)	L8 Toxaphene{B}	9.022	11.276	109.9E6	113.7E6	43.522m	34.680m
30)	L8 Toxaphene{C}	10.056	11.600	159.9E6	42083273	43.772m	32.132m#
31)	L8 Toxaphene{D}	10.567	11.723	216.8E6	73634974	50.410m	32.695m#
32)	L8 Toxaphene{E}	10.717	12.738	305.2E6	57350476	48.259m	25.925m#
	SemiQuant Compounds - Not Calibrated on this Instrument						

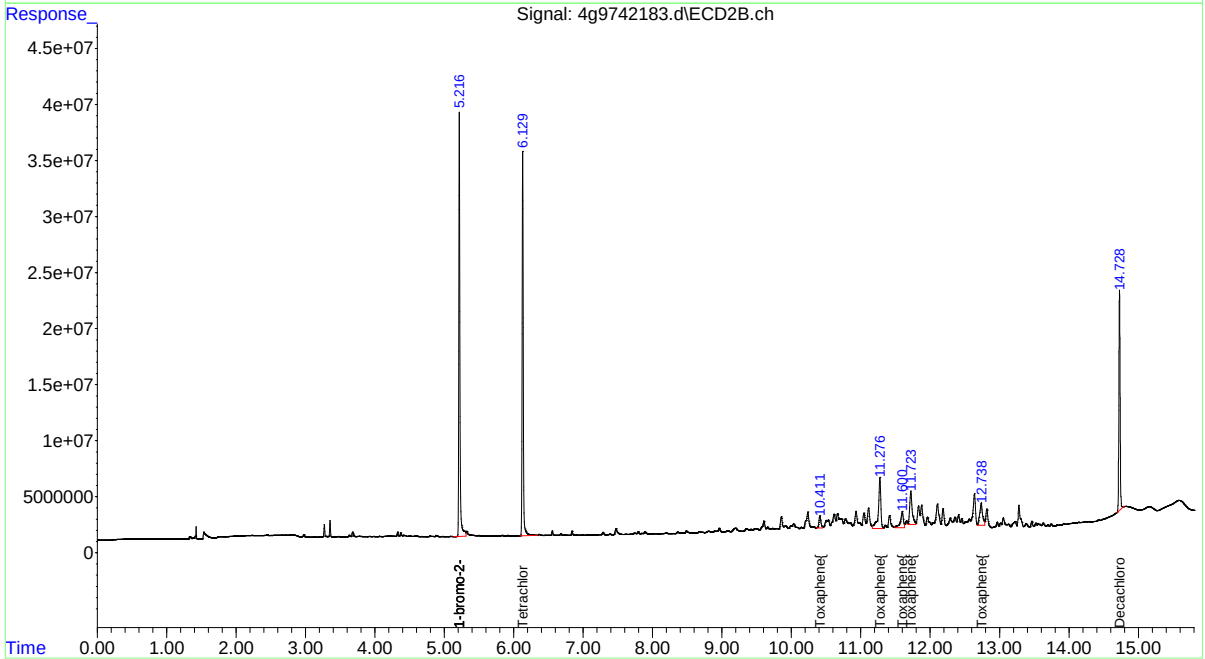
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\msdchem\1\data\g4g4525\
Data File : 4g9742183.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Dec 2024 7:45 am
Operator : rebeccak
Sample : ic4525-50 (toxaphene)
Misc : op59859,g4g4525,5.0,,,10,1
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 16 01:18:28 2024
Quant Method : C:\msdchem\1\methods\4PSTLVI4525.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 13 02:22:35 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





Manual Integrations APPROVED
(compounds with "m" flag)
Gwendolyn Burns
09/24/24 10:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60346.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 1:06 pm
Operator : rebeccak
Sample : icc2596-2.5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:38:34 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
		Internal Standards						
1)	I	1-bromo-2...	2.422	2.793	271.7E6	656.8E6	5.000	5.000
27)	I	1-bromo-2...	2.422	2.793	271.7E6	656.8E6	5.000	5.000
33)	I	1-bromo-2...	2.422	2.793	271.7E6	656.8E6	5.000	5.000
		System Monitoring Compounds						
2)	SAB	Tetrachlo...	2.972	3.682	132.3E6	403.5E6	2.238	2.347
		Spiked Amount 40.000	Range 30 - 150		Recovery =		5.59%#	5.87%#
26)	SA	Decachlor...	10.675	13.068	124.1E6	234.0E6	2.133	2.373
		Spiked Amount 40.000			Recovery =		5.33%	5.93%
		Target Compounds						
3)		hexachlor...	3.316	4.262	204.3E6	403.9E6	2.013	2.055
4)	A	alpha-BHC	3.469	4.429	191.5E6	501.1E6	1.714	1.629
5)	MA	gamma-BHC	3.787	4.917	174.3E6	438.0E6	1.695	1.800
6)	MA	Heptachlor	4.325	5.586	174.0E6	379.9E6	1.735	1.831
7)	B	beta-BHC	3.862	4.994	79255645	209.8E6	1.571	1.614
8)	B	delta-BHC	4.066	5.447	173.0E6	416.7E6	1.565	1.642
9)	MB	Aldrin	4.693	6.099	157.5E6	401.9E6	1.706	1.822
10)		alachlor	4.841	5.839	24049868	60983331	2.055	2.241
11)	B	Heptachlo...	5.471	6.991	152.7E6	373.3E6	1.620	1.763
12)	B	gamma-Chl...	5.643	7.298	154.6E6	371.5E6	1.689	1.781
13)	B	alpha-Chl...	5.827	7.540	153.4E6	368.5E6	1.687	1.778
14)	A	Endosulfan I	6.027	7.653	141.3E6	340.2E6	1.665	1.762
15)	B	4,4'-DDE	5.929	7.789	156.5E6	361.0E6	1.644	1.719
16)	MA	Dieldrin	6.372	8.116	152.0E6	386.4E6	1.739	1.678
17)	MA	Endrin	6.720	8.652	120.7E6	273.8E6	1.931	1.968
18)	A	4,4'-DDD	6.821	8.787	126.3E6	301.7E6	1.145	1.180
19)	B	Endosulfa...	7.060	9.010	135.4E6	322.4E6	1.656	1.769
20)	MA	4,4'-DDT	7.259	9.352	130.5E6	267.8E6	1.822	1.982
21)	B	Endrin Al...	7.725	9.600	107.2E6	238.9E6	1.537	1.613
22)	B	Endosulfa...	8.443	10.083	122.8E6	288.1E6	1.579	1.715
23)	A	Methoxychlor	8.056	10.583	74297483	129.7E6	1.837	2.009
24)		Mirex	8.259	11.029	112.5E6	205.8E6	1.939	2.032m
25)	B	Endrin Ke...	8.899	11.046	154.1E6	375.7E6	1.610	1.682m

SemiQuant Compounds - Not Calibrated on this Instrument

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

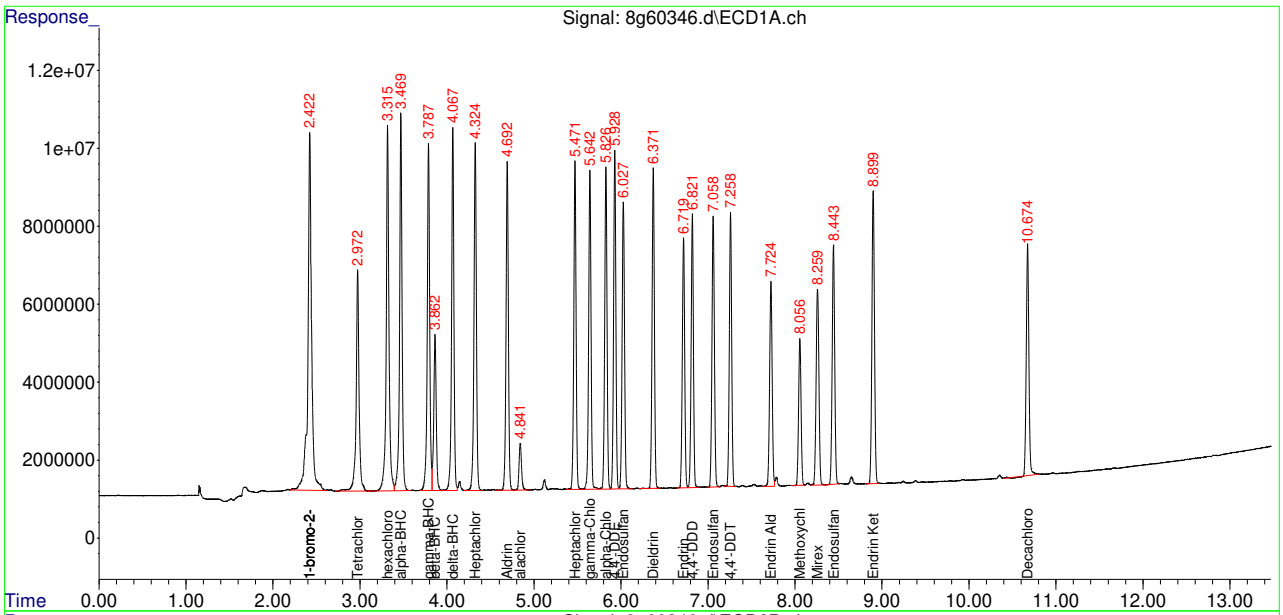
11.3.4 11

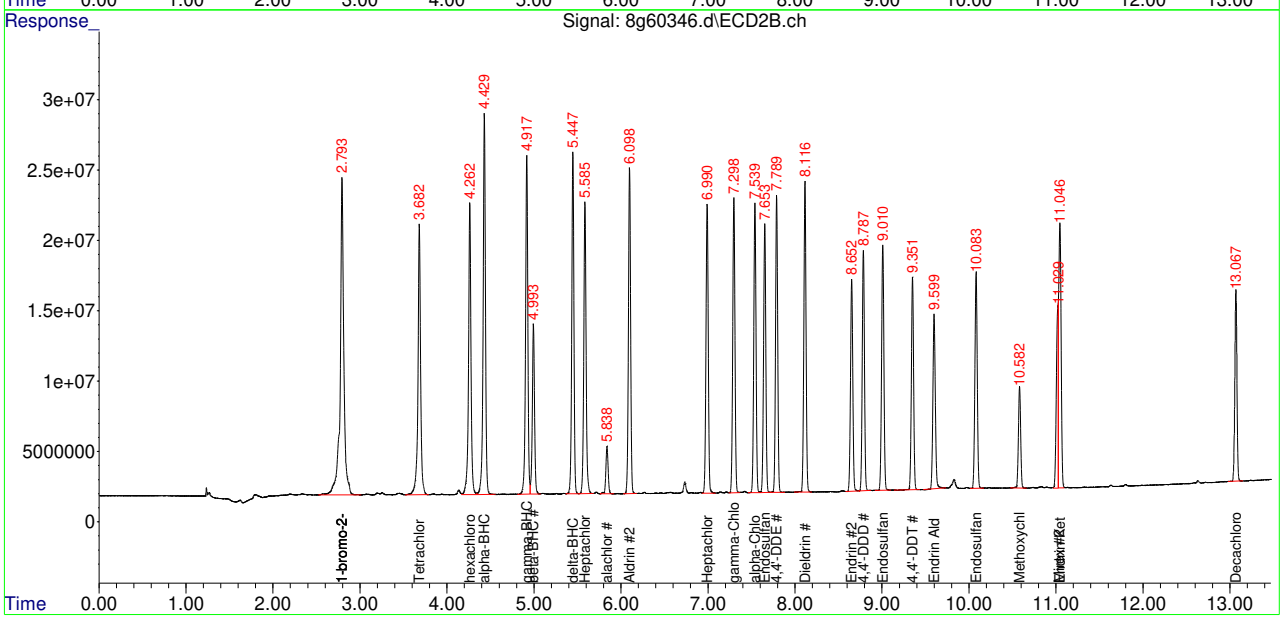
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60346.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 1:06 pm
Operator : rebeccak
Sample : icc2596-2.5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:38:34 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





Manual Integrations APPROVED
(compounds with "m" flag)
Gwendolyn Burns
09/24/24 10:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60351.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 3:00 pm
Operator : rebeccak
Sample : ic2596-50 (chlordane)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 07:04:44 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 07:04:06 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1)	I 1-bromo-2...	2.423	2.793	255.8E6	643.8E6	5.000	5.000
27)	I 1-bromo-2...	2.423	2.793	255.8E6	643.8E6	5.000	5.000
33)	I 1-bromo-2...	2.423	2.793	255.8E6	643.8E6	5.000	5.000
	System Monitoring Compounds						
2)	SAB Tetrachlo...	2.973	3.680	314.5E6	796.3E6	6.373	5.048
	Spiked Amount 40.000	Range 30 - 150		Recovery =		15.93%#	12.62%#
26)	SA Decachlor...	10.675	13.062	255.2E6	457.9E6	5.376	5.132
	Spiked Amount 40.000			Recovery =		13.44%	12.83%
	Target Compounds						
34)	Chlordane...	4.325	5.582	197.5E6	438.2E6	120.672	42.469 #
35)	Chlordane...	4.847	6.288	119.1E6	256.2E6	102.398	41.827 #
36)	Chlordane...	5.643	7.293	424.0E6	892.6E6	112.753	44.573 #
37)	Chlordane...	5.820	7.533	650.3E6	1472.8E6	109.112	44.564m#
38)	Chlordane...	6.955	9.096	93073606	209.6E6	112.063	41.566 #
	SemiQuant Compounds - Not Calibrated on this Instrument						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

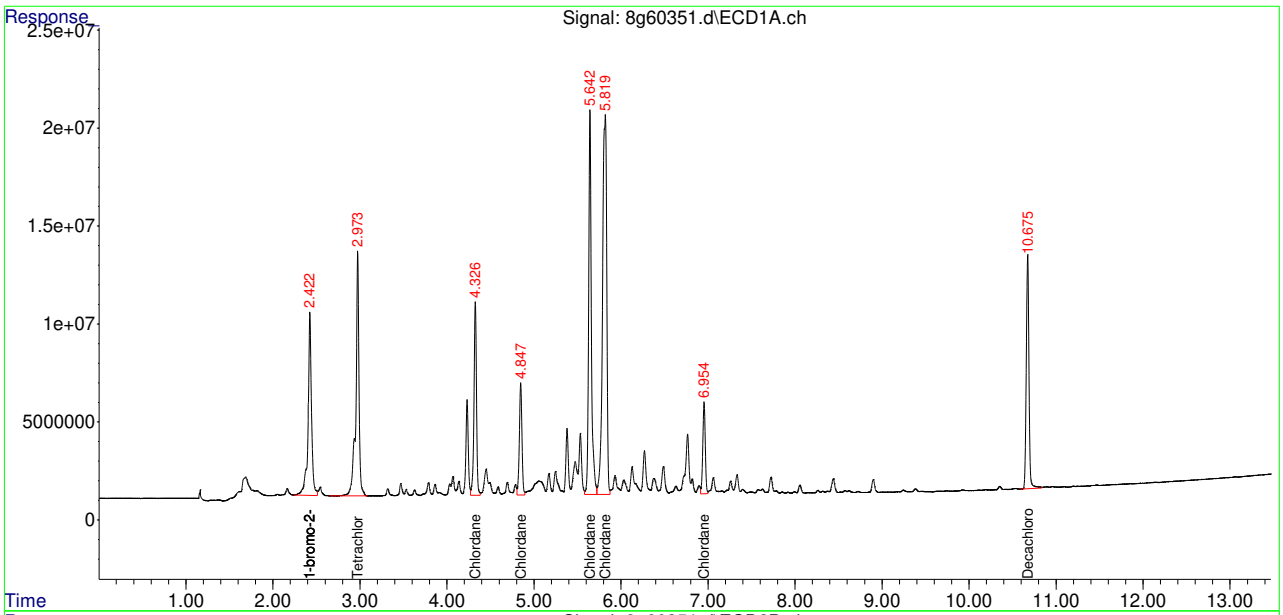
11.3.5 11

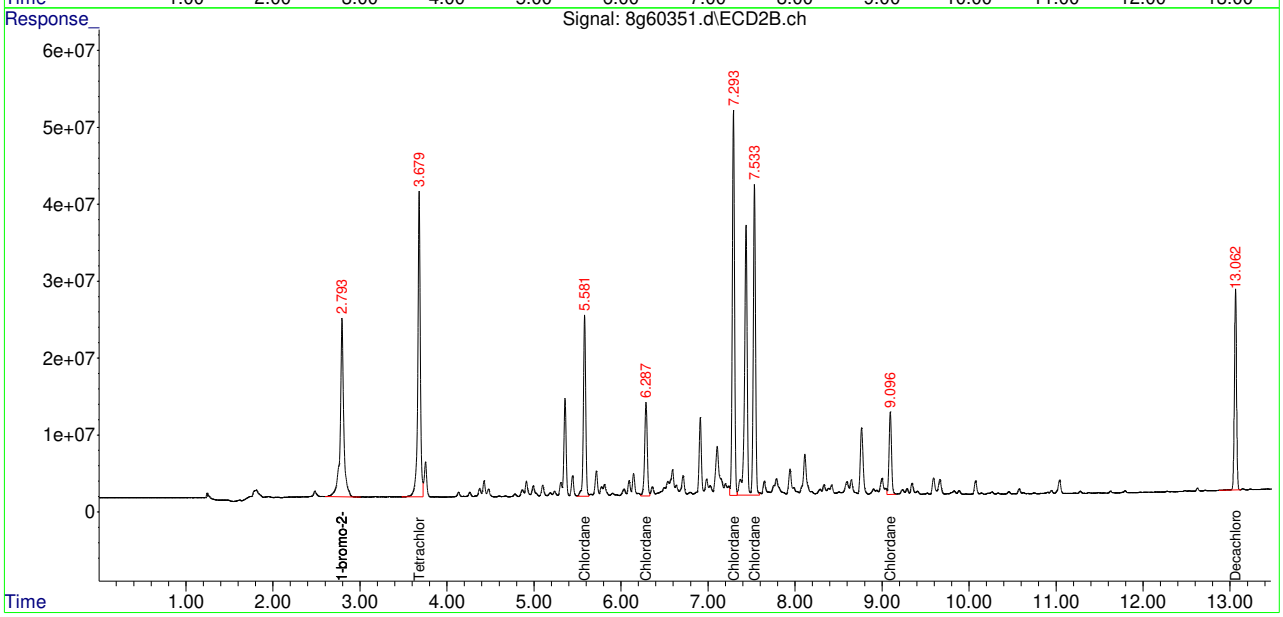
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60351.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 3:00 pm
Operator : rebeccak
Sample : ic2596-50 (chlordane)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 07:04:44 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 07:04:06 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 09/24/24 10:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60353.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 3:45 pm
Operator : rebeccak
Sample : ic2596-50 (toxaphene)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 13:28:30 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 07:05:18 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1)	I 1-bromo-2...	2.424	2.793	234.8E6	593.4E6	5.000	5.000
27)	I 1-bromo-2...	2.424	2.793	234.8E6	593.4E6	5.000	5.000
33)	I 1-bromo-2...	2.424	2.793	234.8E6	593.4E6	5.000	5.000
	System Monitoring Compounds						
2)	SAB Tetrachlo...	2.974	3.680	278.0E6	816.6E6	6.135	5.617
	Spiked Amount 40.000	Range 30 - 150		Recovery =		15.34%#	14.04%#
26)	SA Decachlor...	10.674	13.062	248.4E6	467.3E6	5.700	5.682
	Spiked Amount 40.000			Recovery =		14.25%	14.21%
	Target Compounds						
28)	L8 Toxaphene{A}	6.763	8.064	33361425	67520397	238.596m	22.913m#
29)	L8 Toxaphene{B}	7.585	8.248	32245734	44388497	120.975m	42.251m#
30)	L8 Toxaphene{C}	7.692	9.144	87973371	111.1E6	131.924m	64.550m#
31)	L8 Toxaphene{D}	8.113	9.287	56162953	52462715	182.773m	18.033m#
32)	L8 Toxaphene{E}	8.269	10.522	82330893	160.1E6	116.966m	49.305m#
	SemiQuant Compounds - Not Calibrated on this Instrument						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

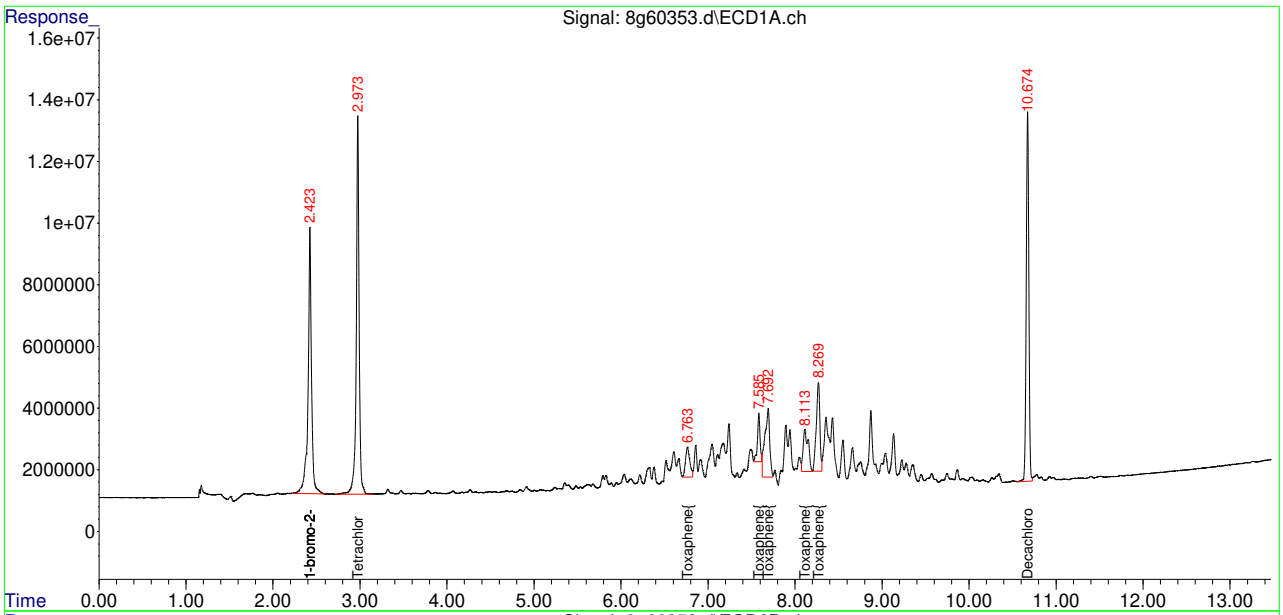
11.3.6 11

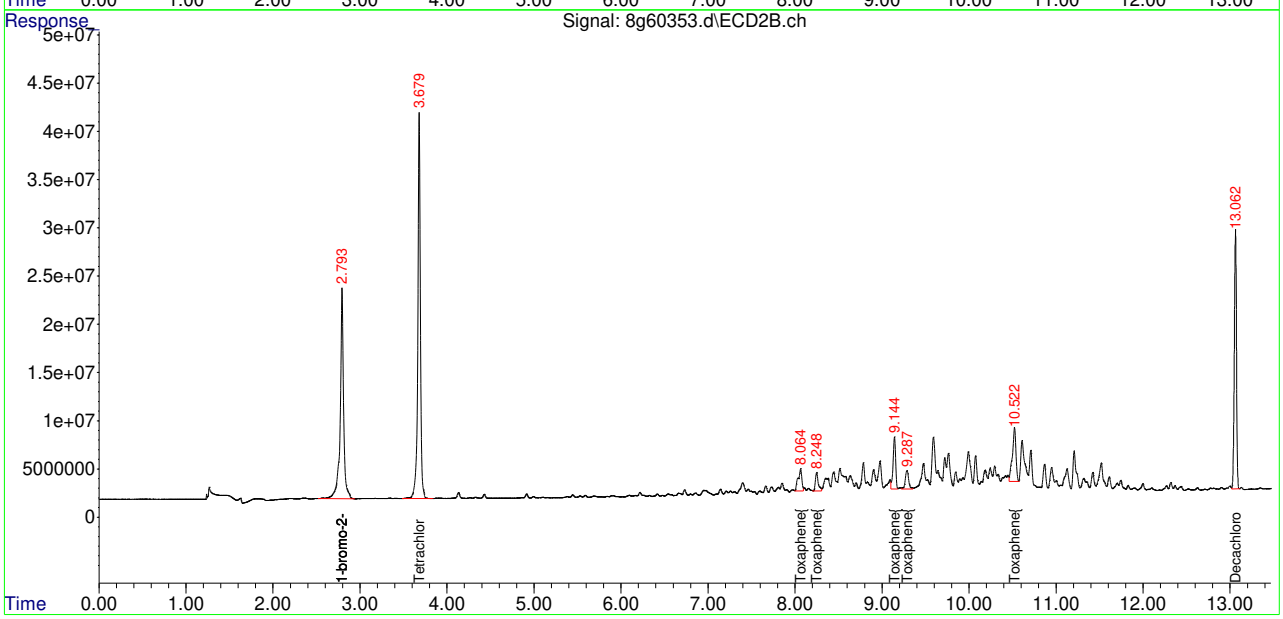
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60353.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 3:45 pm
Operator : rebeccak
Sample : ic2596-50 (toxaphene)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 13:28:30 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 07:05:18 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug
04/29/24 20:59

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\grl343\
Data File : RL15612.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2024 03:23 am
Operator : christp
Sample : icc343-100 (Sig #1); ic343-100 (Sig #2)
Misc : op54010,grl343,5.1,,,10,1
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 20:19:28 2024
Quant Method : C:\msdchem\1\methods\pcblvigcrl343a.m
Quant Title :
QLast Update : Mon Apr 29 05:54:14 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) S	Tetrachlo...	3.920	4.333	928.7E6	633.0E6	4.786	4.413
	Spiked Amount 40.000			Recovery	=	11.97%	11.03%
51) S	Decachlor...	9.821	10.737	594.9E6	442.8E6	5.245	4.732m
	Spiked Amount 40.000			Recovery	=	13.11%	11.83%
	Target Compounds						
41)	AR1016-A	4.220	4.785	388.0E6	271.8E6	120.570	108.100
42)	AR1016-B	4.519	5.178	788.7E6	554.4E6	125.421	107.040
43)	AR1016-C	4.920	5.688	1712.6E6	1322.7E6	122.683m	111.488m
44)	AR1016-D	5.041	5.855	682.6E6	484.7E6	122.200	112.053
45)	AR1016-E	5.441	6.516	702.3E6	385.5E6	120.686m	111.229
46)	AR1260-A	7.455	8.502	1565.8E6	1152.9E6	137.640	159.335
47)	AR1260-B	7.947	8.967	1068.9E6	897.3E6	150.412m	165.617
48)	AR1260-C	8.229	9.255	967.5E6	836.0E6	134.172	133.888
49)	AR1260-D	8.560	9.466	2310.4E6	1946.5E6	134.211	144.715
50)	AR1260-E	8.844	9.790	2309.8E6	1794.5E6	140.276m	138.636

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

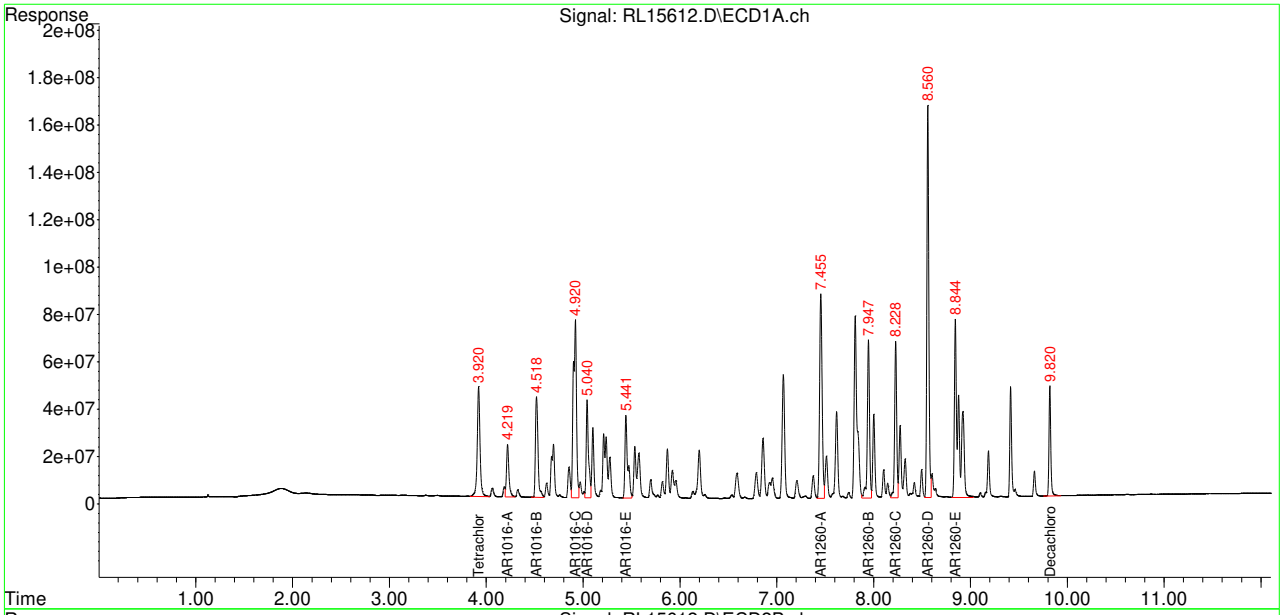
11.3.7 11

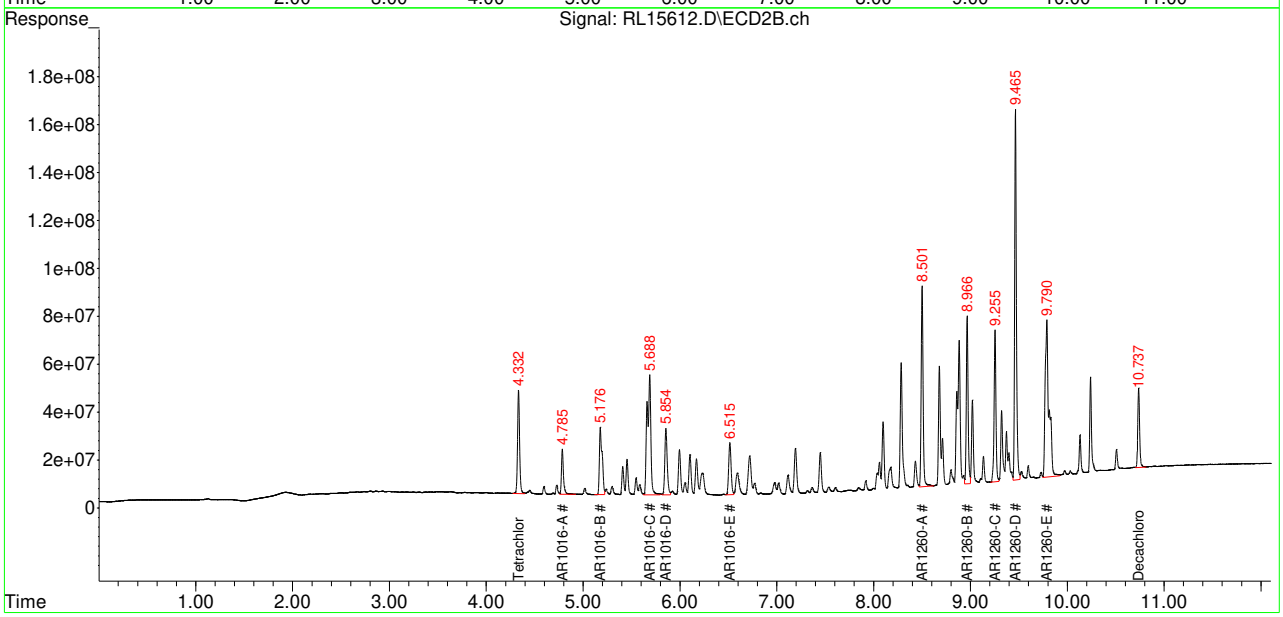
Quantitation Report (QT Reviewed)

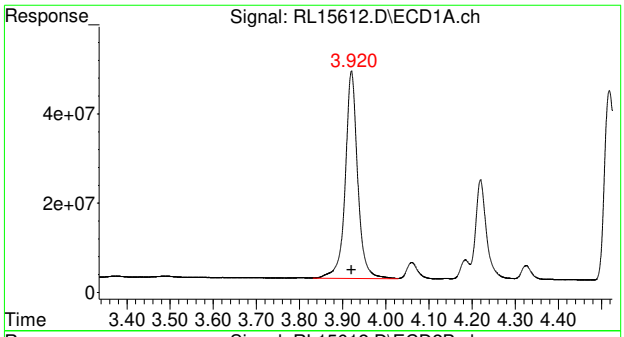
Data Path : C:\msdchem\1\data\grl343\
Data File : RL15612.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2024 03:23 am
Operator : christp
Sample : icc343-100 (Sig #1); ic343-100 (Sig #2)
Misc : op54010,grl343,5.1,,,10,1
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 20:19:28 2024
Quant Method : C:\msdchem\1\methods\pcblvigcrl343a.m
Quant Title :
QLast Update : Mon Apr 29 05:54:14 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

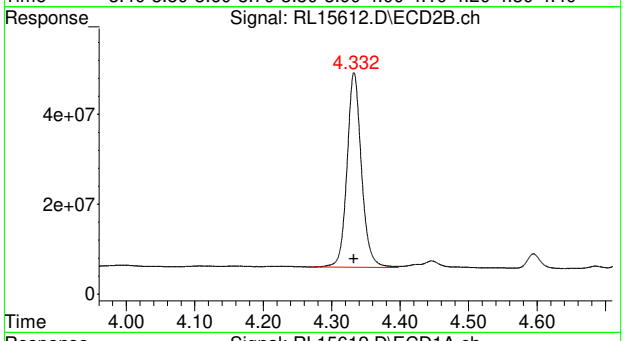






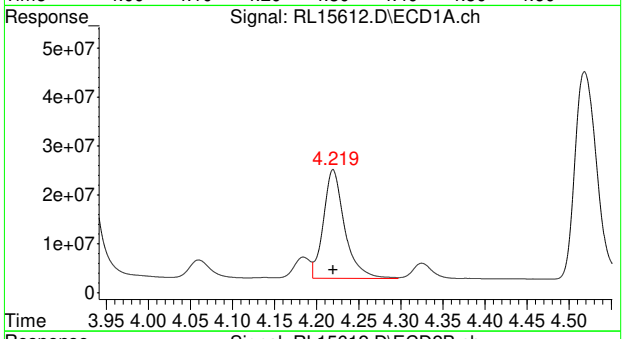
#1 Tetrachloro-m-xylene

R.T.: 3.920 min
Delta R.T.: 0.000 min
Response: 928722112
Conc: 4.79 ppb



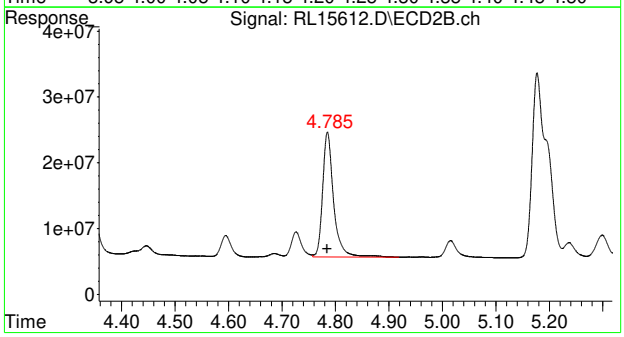
#1 Tetrachloro-m-xylene

R.T.: 4.333 min
Delta R.T.: 0.000 min
Response: 633039754
Conc: 4.41 ppb



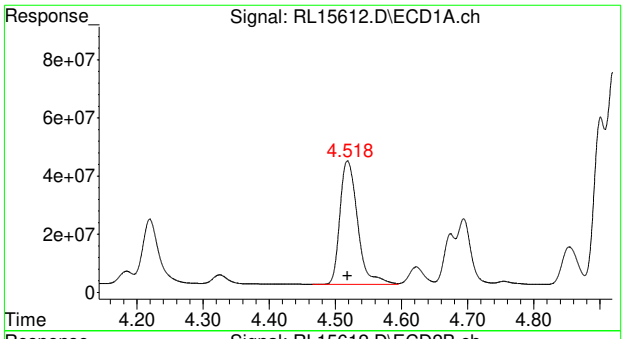
#41 AR1016-A

R.T.: 4.220 min
Delta R.T.: 0.000 min
Response: 388012025
Conc: 120.57 PPB



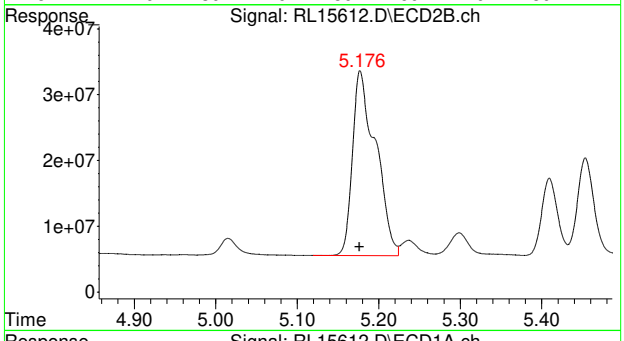
#41 AR1016-A

R.T.: 4.785 min
Delta R.T.: 0.000 min
Response: 271761769
Conc: 108.10 PPB



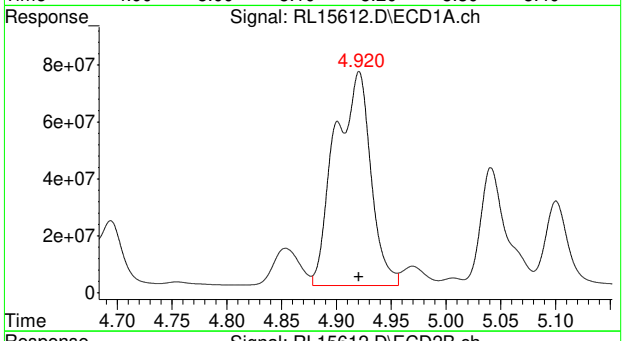
#42 AR1016-B

R.T.: 4.519 min
Delta R.T.: 0.000 min
Response: 788654452
Conc: 125.42 PPB



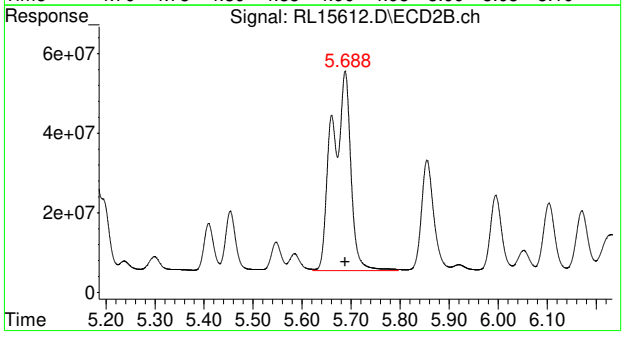
#42 AR1016-B

R.T.: 5.178 min
Delta R.T.: 0.001 min
Response: 554367804
Conc: 107.04 PPB



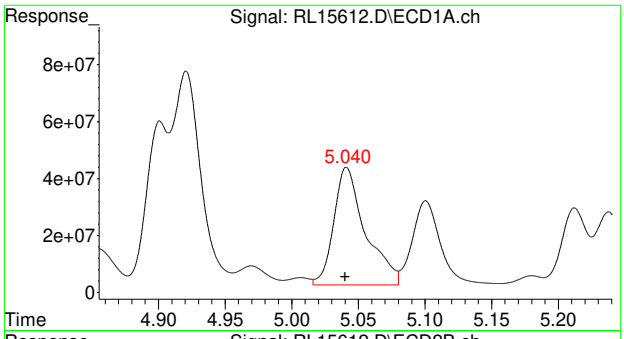
#43 AR1016-C

R.T.: 4.920 min
Delta R.T.: 0.000 min
Response: 1712622190
Conc: 122.68 PPB m



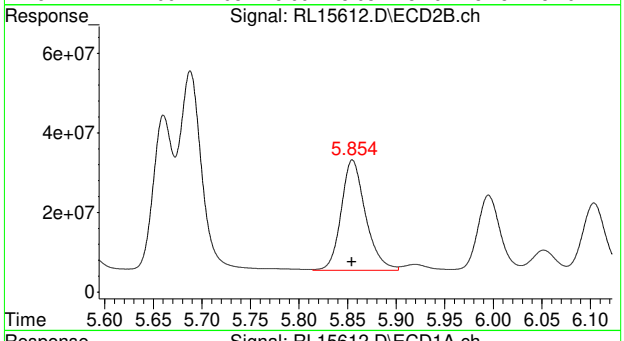
#43 AR1016-C

R.T.: 5.688 min
Delta R.T.: 0.000 min
Response: 1322694198
Conc: 111.49 PPB m



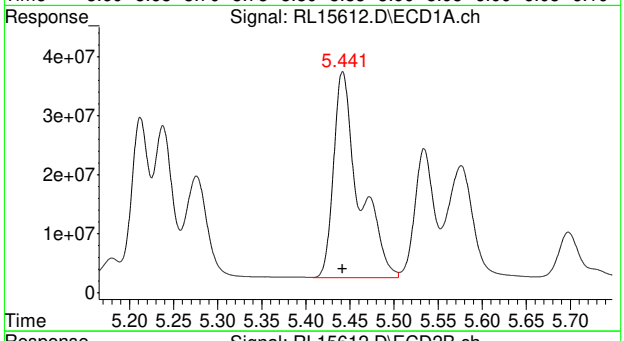
#44 AR1016-D

R.T.: 5.041 min
Delta R.T.: 0.001 min
Response: 682627947
Conc: 122.20 PPB



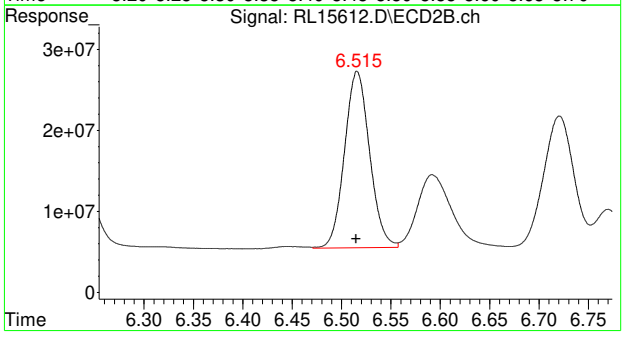
#44 AR1016-D

R.T.: 5.855 min
Delta R.T.: 0.000 min
Response: 484657223
Conc: 112.05 PPB



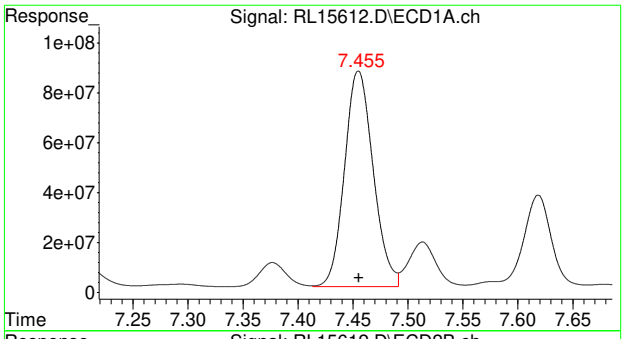
#45 AR1016-E

R.T.: 5.441 min
Delta R.T.: 0.000 min
Response: 702306184
Conc: 120.69 PPB m



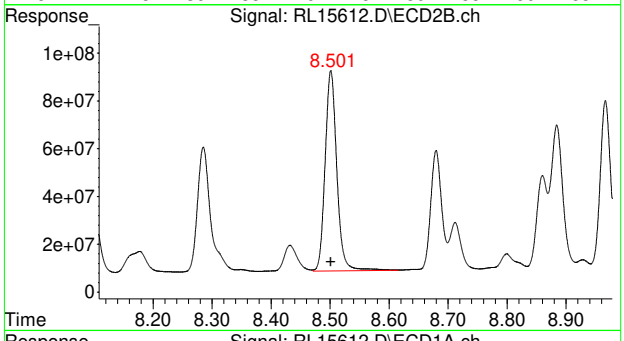
#45 AR1016-E

R.T.: 6.516 min
Delta R.T.: 0.000 min
Response: 385521520
Conc: 111.23 PPB



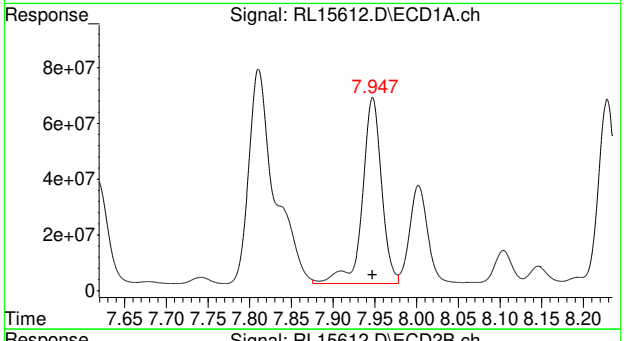
#46 AR1260-A

R.T.: 7.455 min
Delta R.T.: 0.000 min
Response: 1565802702
Conc: 137.64 PPB



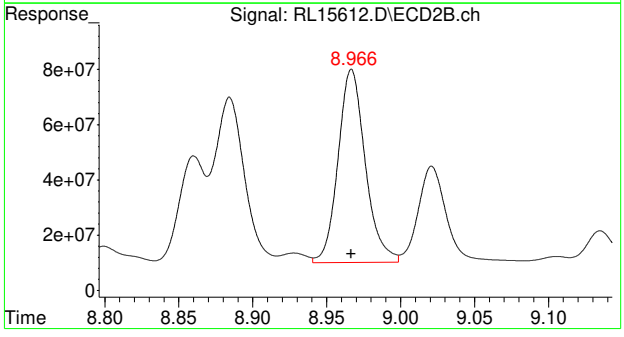
#46 AR1260-A

R.T.: 8.502 min
Delta R.T.: 0.000 min
Response: 1152879142
Conc: 159.34 PPB



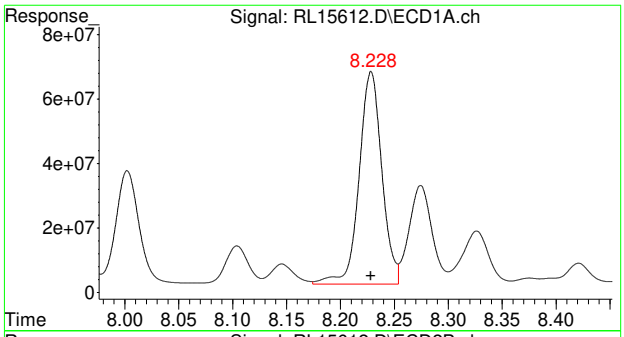
#47 AR1260-B

R.T.: 7.947 min
Delta R.T.: 0.000 min
Response: 1068948724
Conc: 150.41 PPB m



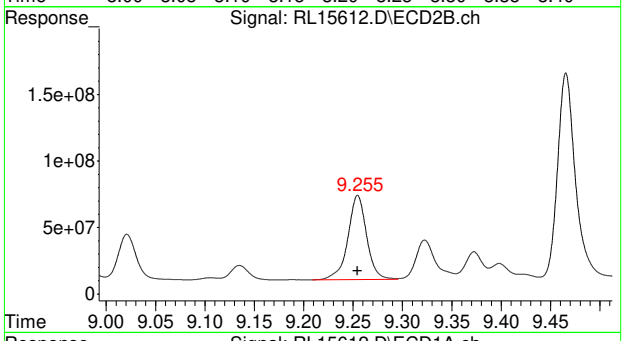
#47 AR1260-B

R.T.: 8.967 min
Delta R.T.: 0.000 min
Response: 897319310
Conc: 165.62 PPB



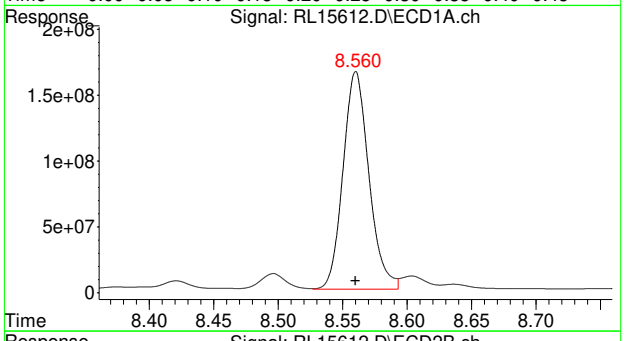
#48 AR1260-C

R.T.: 8.229 min
Delta R.T.: 0.000 min
Response: 967505744
Conc: 134.17 PPB



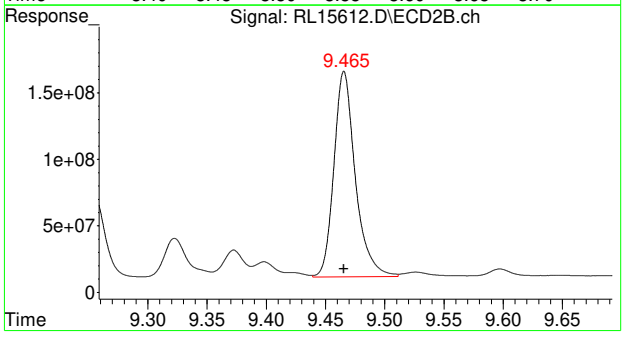
#48 AR1260-C

R.T.: 9.255 min
Delta R.T.: 0.000 min
Response: 835997557
Conc: 133.89 PPB



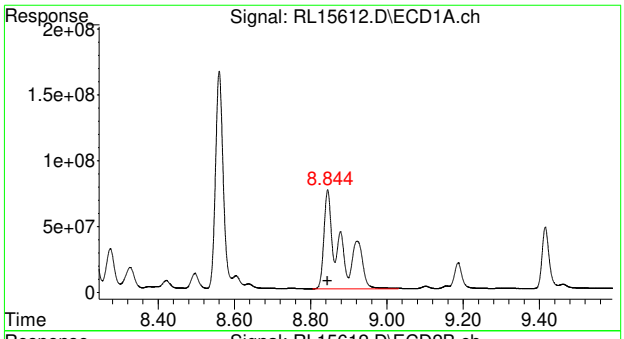
#49 AR1260-D

R.T.: 8.560 min
Delta R.T.: 0.000 min
Response: 2310352323
Conc: 134.21 PPB



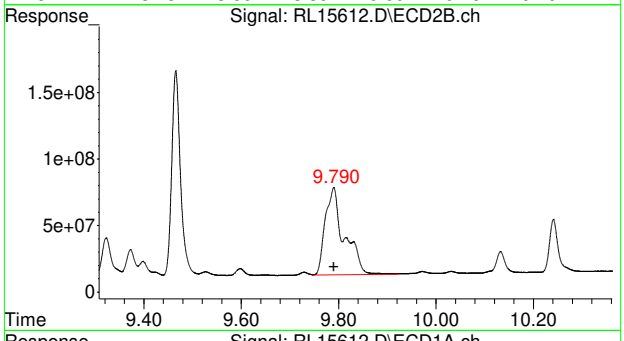
#49 AR1260-D

R.T.: 9.466 min
Delta R.T.: 0.000 min
Response: 1946497230
Conc: 144.71 PPB



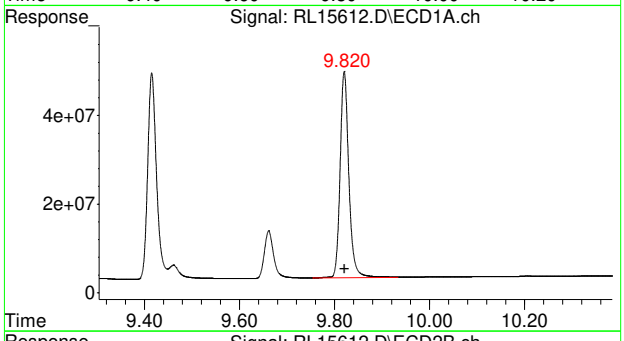
#50 AR1260-E

R.T.: 8.844 min
Delta R.T.: 0.000 min
Response: 2309833113
Conc: 140.28 PPB m



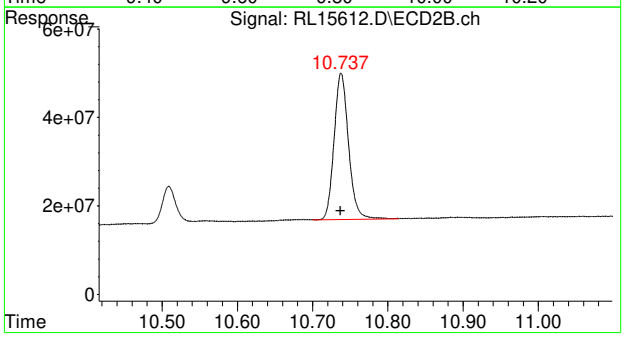
#50 AR1260-E

R.T.: 9.790 min
Delta R.T.: 0.000 min
Response: 1794500908
Conc: 138.64 PPB



#51 Decachlorobiphenyl

R.T.: 9.821 min
Delta R.T.: 0.000 min
Response: 594922563
Conc: 5.25 ppb



#51 Decachlorobiphenyl

R.T.: 10.737 min
Delta R.T.: 0.000 min
Response: 442805661
Conc: 4.73 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug
04/29/24 20:59

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\grl343\
Data File : RL15619.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2024 05:21 am
Operator : christp
Sample : ic343-100
Misc : op54010,grl343,5.1,,,10,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 07:05:44 2024
Quant Method : C:\msdchem\1\methods\pcblvigcrl343a.m
Quant Title :
QLast Update : Mon Apr 29 07:05:38 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) S	Tetrachlo...	3.921	4.333	930.7E6	609.9E6	4.796	4.252
	Spiked Amount 40.000			Recovery	=	11.99%	10.63%
51) S	Decachlor...	9.821	10.739	622.9E6	454.0E6	5.492	4.852m
	Spiked Amount 40.000			Recovery	=	13.73%	12.13%
	Target Compounds						
2)	AR1221-A	3.476	3.921	164.1E6	106.0E6	121.883	99.474
3)	AR1221-B	4.061	4.595	231.7E6	157.9E6	125.559	108.588
4)	AR1221-C	4.220	4.785	626.2E6	435.1E6	137.742	123.547
5)	AR1221-D	4.519	5.237f	113.1E6	119.1E6	100.923m	92.793m
6)	AR1221-E	4.901	5.687	146.5E6	81984449	119.051	80.063m#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

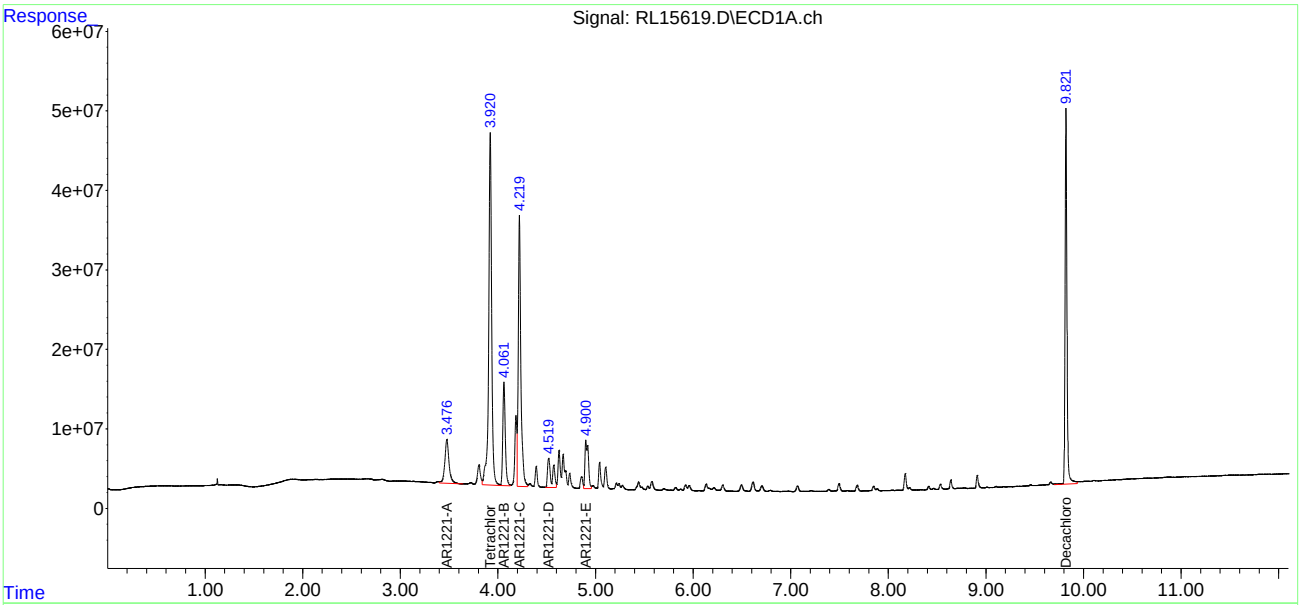
11.3.8 11

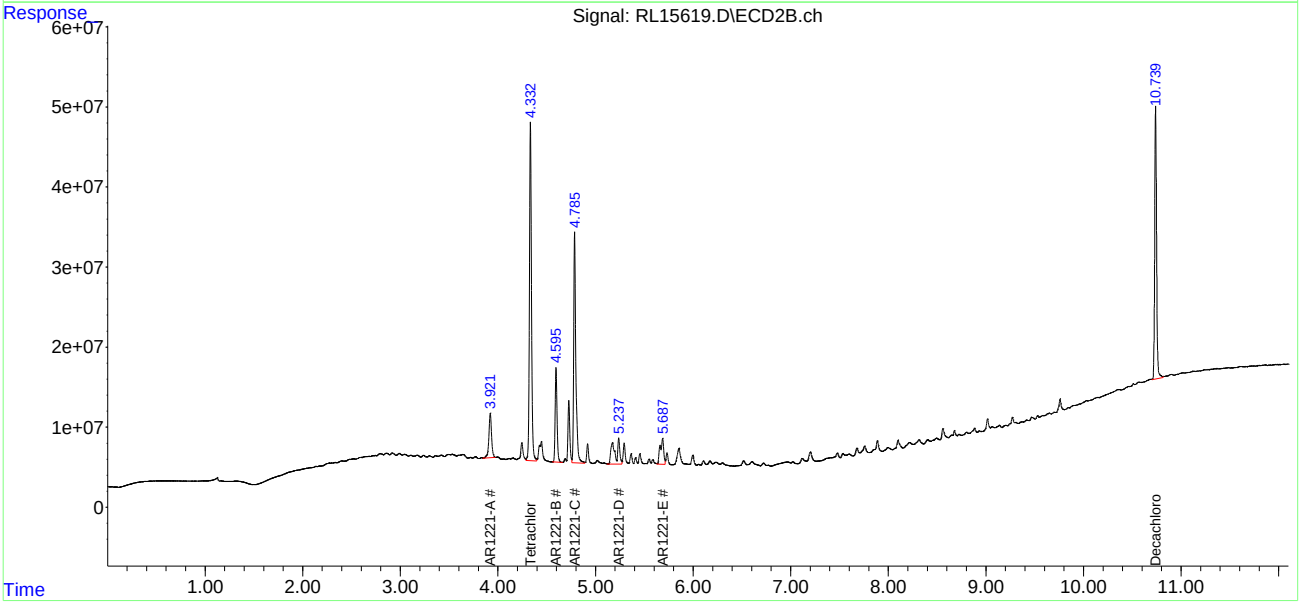
Quantitation Report (QT Reviewed)

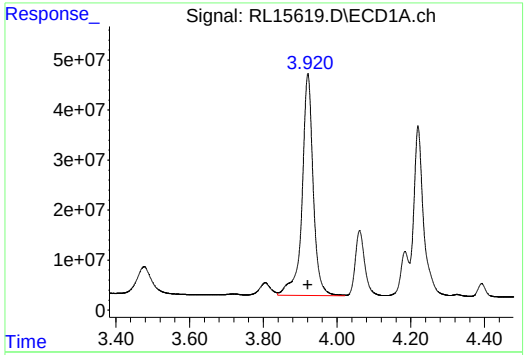
Data Path : C:\msdchem\1\data\grl343\
Data File : RL15619.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2024 05:21 am
Operator : christp
Sample : ic343-100
Misc : op54010,grl343,5.1,,,10,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 07:05:44 2024
Quant Method : C:\msdchem\1\methods\pcblvigcrl343a.m
Quant Title :
QLast Update : Mon Apr 29 07:05:38 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

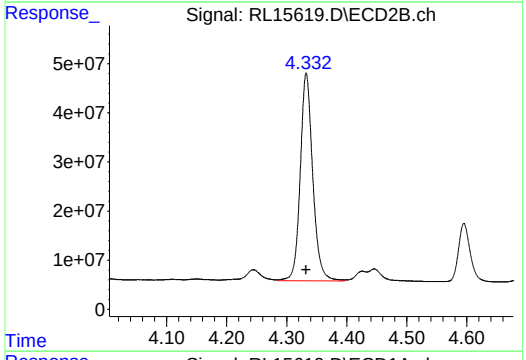






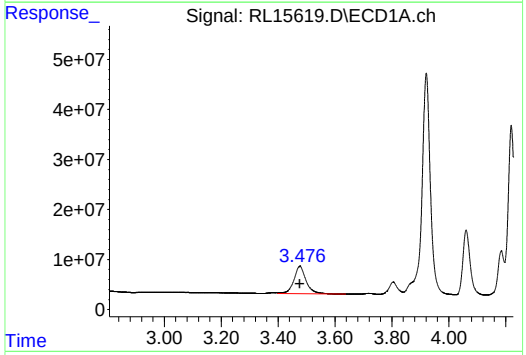
#1 Tetrachloro-m-xylene

R.T.: 3.921 min
Delta R.T.: 0.000 min
Response: 930710950
Conc: 4.80 ppb



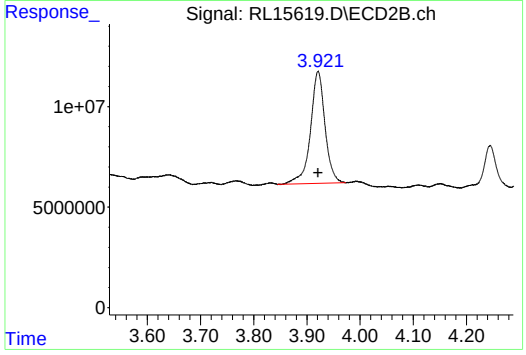
#1 Tetrachloro-m-xylene

R.T.: 4.333 min
Delta R.T.: 0.000 min
Response: 609944500
Conc: 4.25 ppb



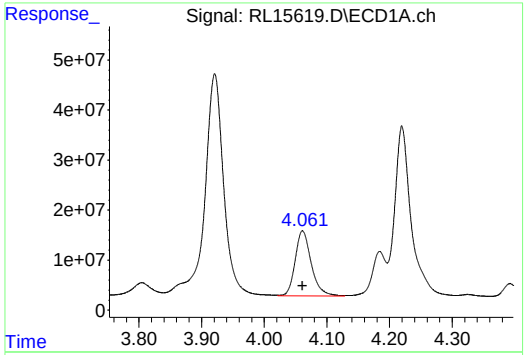
#2 AR1221-A

R.T.: 3.476 min
Delta R.T.: 0.000 min
Response: 164112928
Conc: 121.88



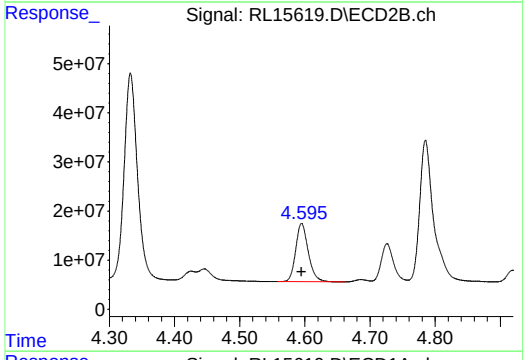
#2 AR1221-A

R.T.: 3.921 min
Delta R.T.: 0.000 min
Response: 105979217
Conc: 99.47



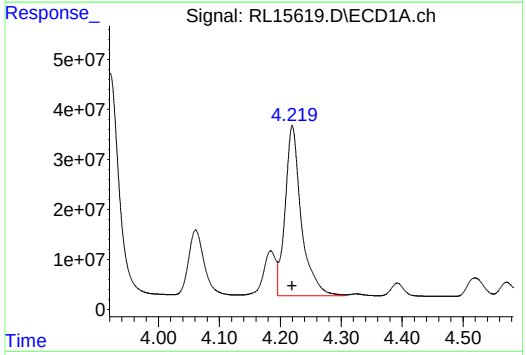
#3 AR1221-B

R.T.: 4.061 min
Delta R.T.: 0.000 min
Response: 231717067
Conc: 125.56 PPB



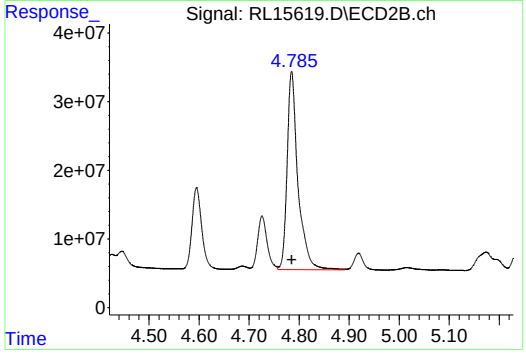
#3 AR1221-B

R.T.: 4.595 min
Delta R.T.: 0.000 min
Response: 157901314
Conc: 108.59 PPB



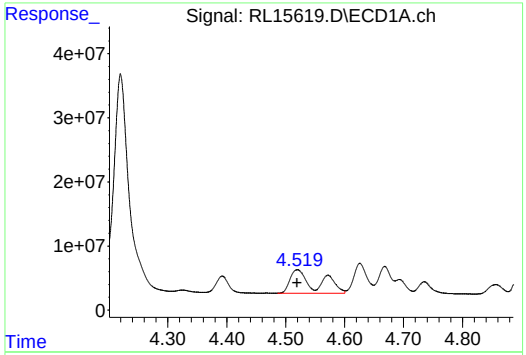
#4 AR1221-C

R.T.: 4.220 min
Delta R.T.: 0.000 min
Response: 626168922
Conc: 137.74 PPB



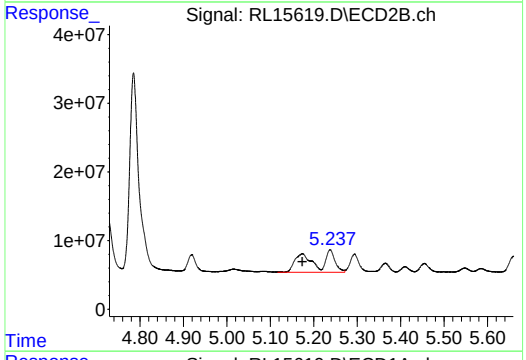
#4 AR1221-C

R.T.: 4.785 min
Delta R.T.: 0.000 min
Response: 435111711
Conc: 123.55 PPB



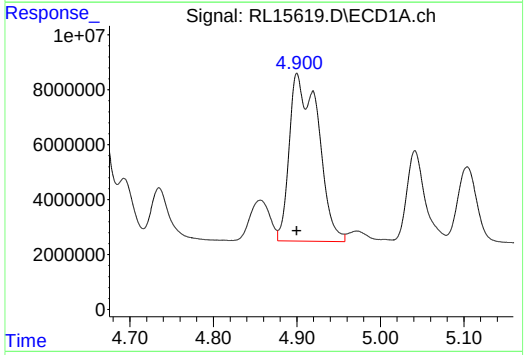
#5 AR1221-D

R.T.: 4.519 min
Delta R.T.: 0.000 min
Response: 113124482
Conc: 100.92 PPB m



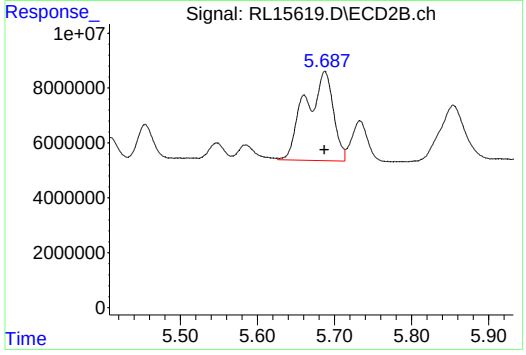
#5 AR1221-D

R.T.: 5.237 min
Delta R.T.: 0.064 min
Response: 119130329
Conc: 92.79 PPB m



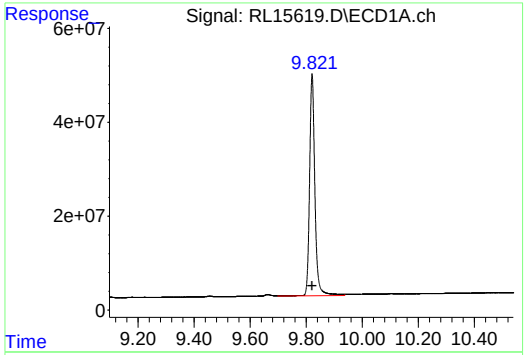
#6 AR1221-E

R.T.: 4.901 min
Delta R.T.: 0.000 min
Response: 146475241
Conc: 119.05 PPB



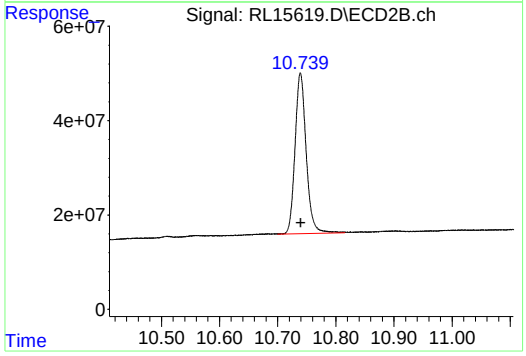
#6 AR1221-E

R.T.: 5.687 min
Delta R.T.: 0.000 min
Response: 81984449
Conc: 80.06 PPB m



#51 Decachlorobiphenyl

R.T.: 9.821 min
Delta R.T.: 0.000 min
Response: 622922873
Conc: 5.49 ppb



#51 Decachlorobiphenyl

R.T.: 10.739 min
Delta R.T.: 0.000 min
Response: 454029086
Conc: 4.85 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug
04/29/24 20:59

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\grl343\
Data File : RL15620.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2024 05:38 am
Operator : christp
Sample : ic343-100
Misc : op54010,grl343,5.1,,,10,1
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 07:07:28 2024
Quant Method : C:\msdchem\1\methods\pcblvigcrl343a.m
Quant Title :
QLast Update : Mon Apr 29 07:07:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) S	Tetrachlo...	3.922	4.334	856.4E6	599.7E6	4.413	4.181
	Spiked Amount 40.000			Recovery	=	11.03%	10.45%
51) S	Decachlor...	9.828	10.751	620.2E6	481.6E6	5.468	5.146
	Spiked Amount 40.000			Recovery	=	13.67%	12.86%
	Target Compounds						
24)	AR1254-A	5.874	7.198	664.2E6	579.8E6	109.256	115.008
25)	AR1254-B	6.203	7.454	1204.1E6	689.8E6	111.751	125.222
26)	AR1254-C	6.603	7.923	717.3E6	480.6E6	127.482	112.539
27)	AR1254-D	6.794	8.065	1260.4E6	1072.8E6	117.477	116.873
28)	AR1254-E	7.210	8.316	972.6E6	853.7E6	134.728	141.230
29)	AR1254-F	7.463	8.684	913.7E6	776.4E6	136.149	118.752m
30)	AR1254-G	7.817	8.889	1278.9E6	995.0E6	135.154	153.870

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

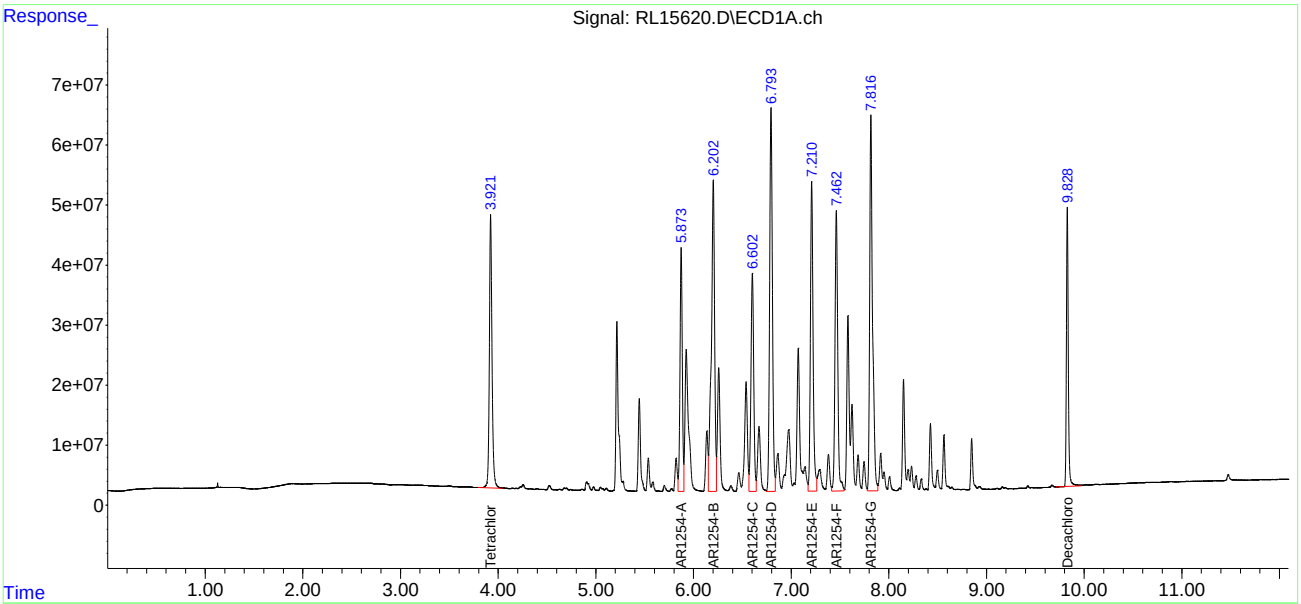
11.3.9 11

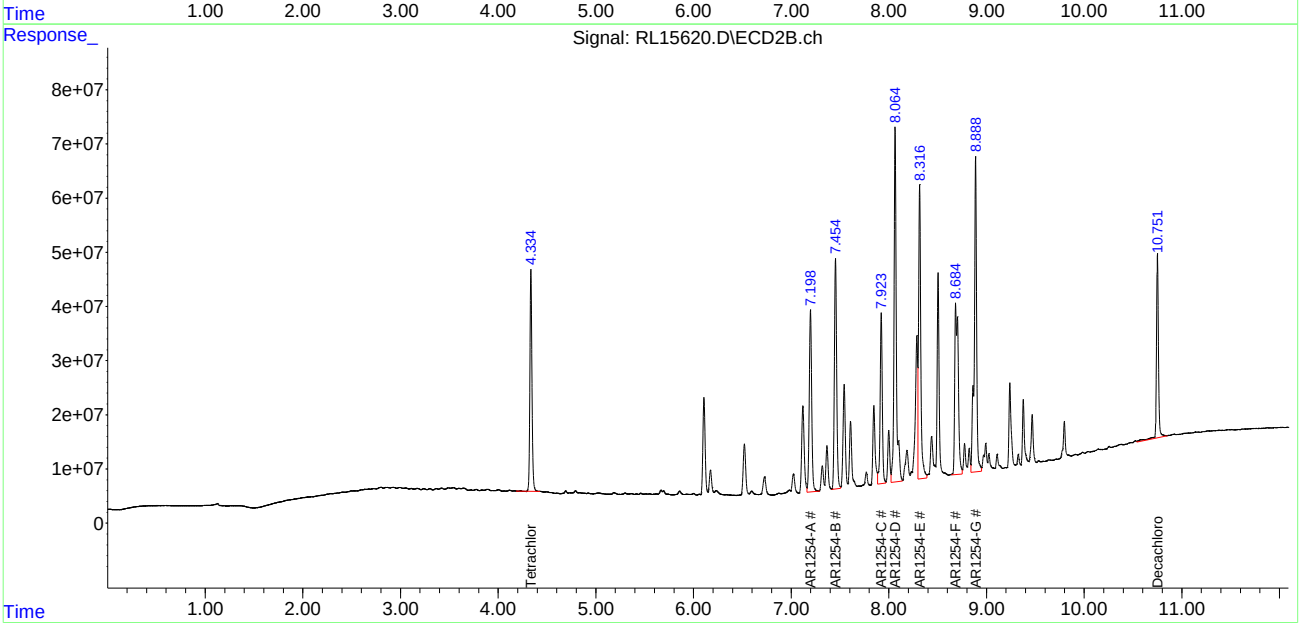
Quantitation Report (QT Reviewed)

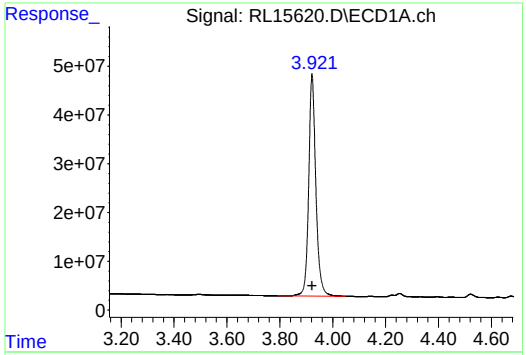
Data Path : C:\msdchem\1\data\grl343\
Data File : RL15620.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2024 05:38 am
Operator : christp
Sample : ic343-100
Misc : op54010,grl343,5.1,,,10,1
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 07:07:28 2024
Quant Method : C:\msdchem\1\methods\pcblvigcrl343a.m
Quant Title :
QLast Update : Mon Apr 29 07:07:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

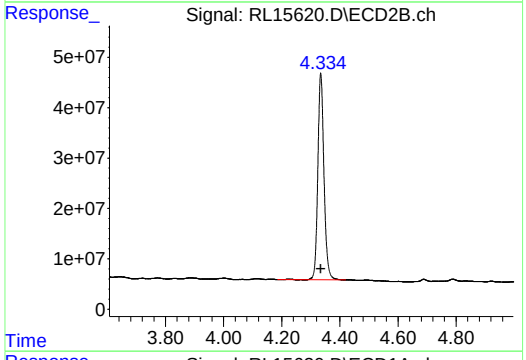






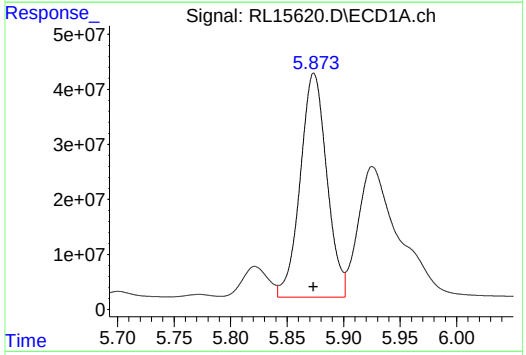
#1 Tetrachloro-m-xylene

R.T.: 3.922 min
Delta R.T.: 0.000 min
Response: 856388736
Conc: 4.41 ppb



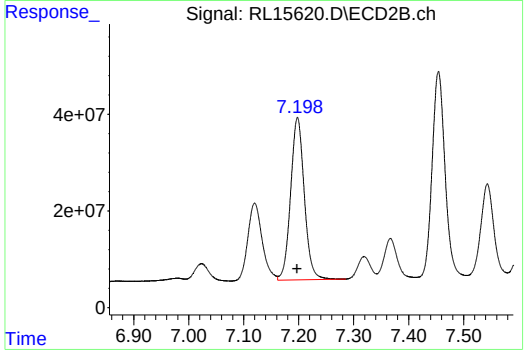
#1 Tetrachloro-m-xylene

R.T.: 4.334 min
Delta R.T.: 0.000 min
Response: 599651807
Conc: 4.18 ppb



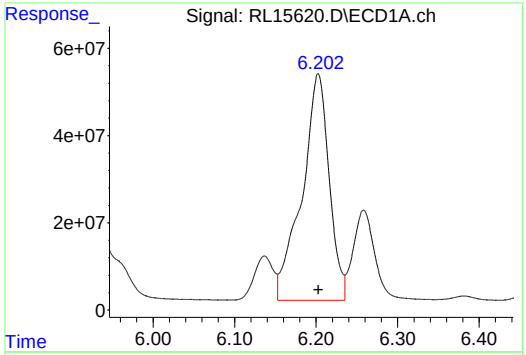
#24 AR1254-A

R.T.: 5.874 min
Delta R.T.: 0.000 min
Response: 664151486
Conc: 109.26 PPB



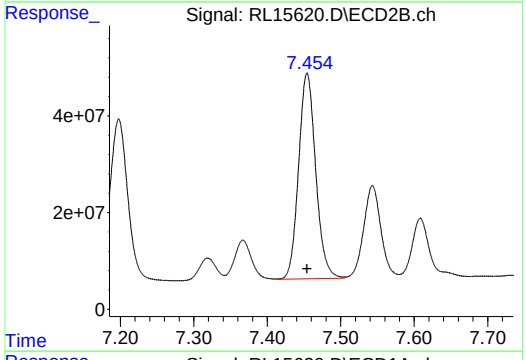
#24 AR1254-A

R.T.: 7.198 min
Delta R.T.: 0.000 min
Response: 579817639
Conc: 115.01 PPB



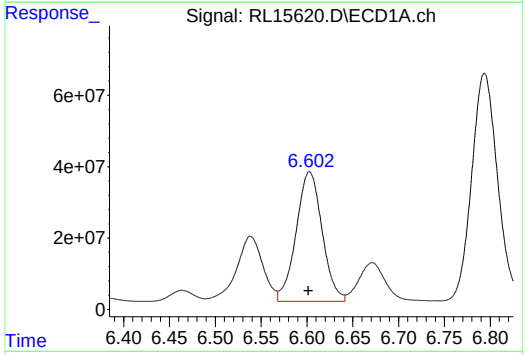
#25 AR1254-B

R.T.: 6.203 min
Delta R.T.: 0.000 min
Response: 1204087095
Conc: 111.75 PPB



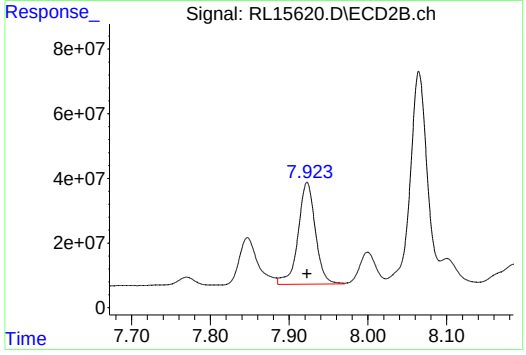
#25 AR1254-B

R.T.: 7.454 min
Delta R.T.: 0.000 min
Response: 689803082
Conc: 125.22 PPB



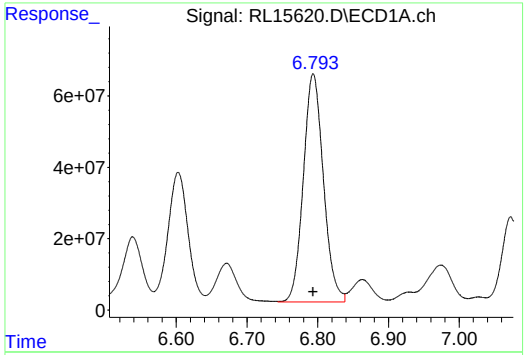
#26 AR1254-C

R.T.: 6.603 min
Delta R.T.: 0.001 min
Response: 717300465
Conc: 127.48 PPB



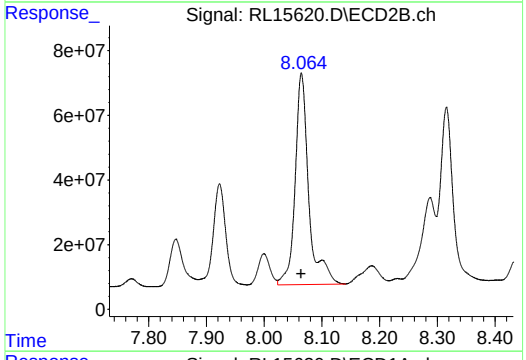
#26 AR1254-C

R.T.: 7.923 min
Delta R.T.: 0.000 min
Response: 480568872
Conc: 112.54 PPB



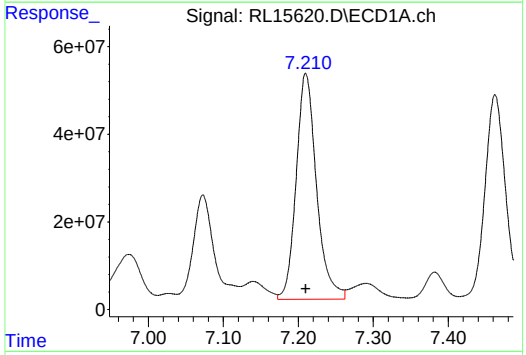
#27 AR1254-D

R.T.: 6.794 min
Delta R.T.: 0.000 min
Response: 1260391457
Conc: 117.48 PPB



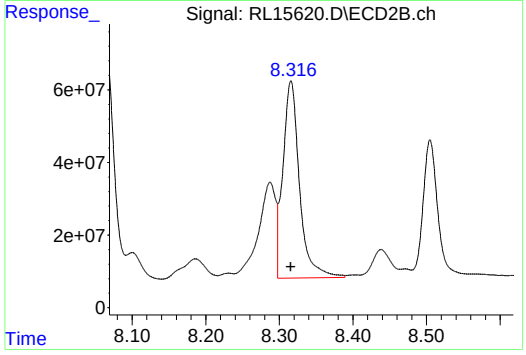
#27 AR1254-D

R.T.: 8.065 min
Delta R.T.: 0.000 min
Response: 1072751334
Conc: 116.87 PPB



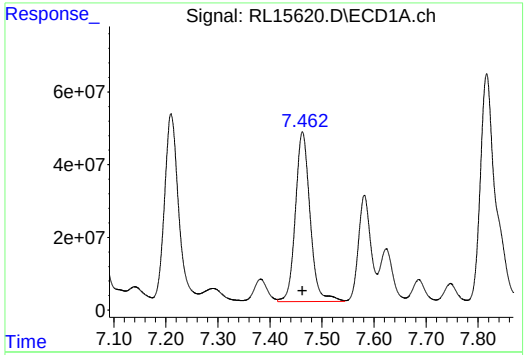
#28 AR1254-E

R.T.: 7.210 min
Delta R.T.: 0.000 min
Response: 972639241
Conc: 134.73 PPB



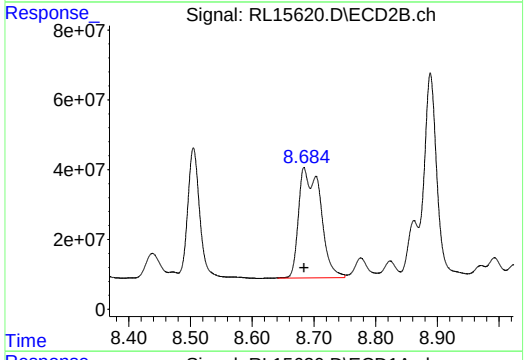
#28 AR1254-E

R.T.: 8.316 min
Delta R.T.: 0.000 min
Response: 853682253
Conc: 141.23 PPB



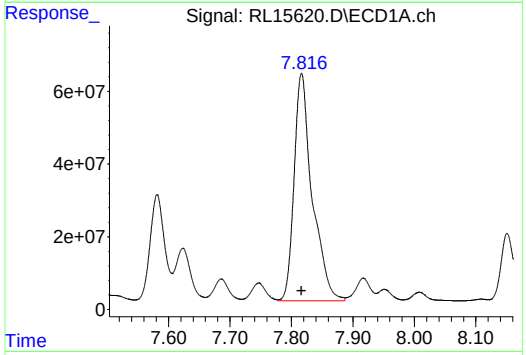
#29 AR1254-F

R.T.: 7.463 min
Delta R.T.: 0.000 min
Response: 913733523
Conc: 136.15 PPB



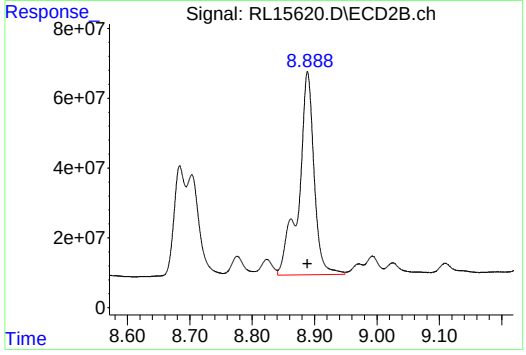
#29 AR1254-F

R.T.: 8.684 min
Delta R.T.: 0.000 min
Response: 776366222
Conc: 118.75 PPB m



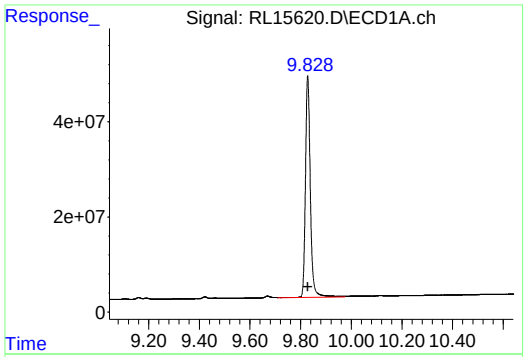
#30 AR1254-G

R.T.: 7.817 min
Delta R.T.: 0.000 min
Response: 1278856446
Conc: 135.15 PPB



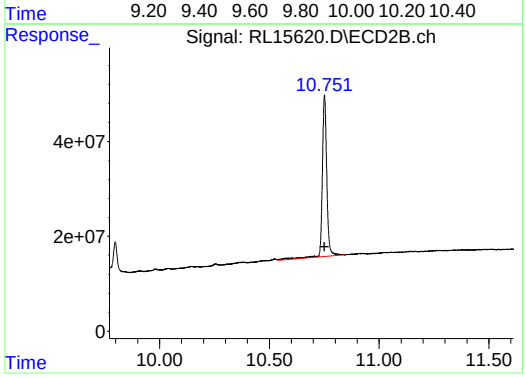
#30 AR1254-G

R.T.: 8.889 min
Delta R.T.: 0.000 min
Response: 994998445
Conc: 153.87 PPB



#51 Decachlorobiphenyl

R.T.: 9.828 min
Delta R.T.: 0.000 min
Response: 620229964
Conc: 5.47 ppb



#51 Decachlorobiphenyl

R.T.: 10.751 min
Delta R.T.: 0.000 min
Response: 481596916
Conc: 5.15 ppb

Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug
04/29/24 20:59

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\grl343\
Data File : RL15621.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2024 05:55 am
Operator : christp
Sample : ic343-100
Misc : op54010,grl343,5.1,,,10,1
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 07:08:57 2024
Quant Method : C:\msdchem\1\methods\pcblvigcrl343a.m
Quant Title :
QLast Update : Mon Apr 29 07:08:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) S	Tetrachlo...	3.924	4.335	860.4E6	571.5E6	4.434	3.984
	Spiked Amount 40.000			Recovery =		11.09%	9.96%
51) S	Decachlor...	9.830	10.754	587.6E6	431.4E6	5.180	4.609m
	Spiked Amount 40.000			Recovery =		12.95%	11.52%
	Target Compounds						
7)	AR1232-A	4.223	4.788	532.2E6	308.2E6	148.420	113.377
8)	AR1232-B	4.523	5.180	354.0E6	233.9E6	131.257	102.006
9)	AR1232-C	4.923	5.691	739.9E6	514.6E6	126.984	112.898m
10)	AR1232-D	5.045	5.860	288.0E6	193.3E6	124.489	108.692
11)	AR1232-E	5.446	6.521	259.7E6	139.1E6	116.894	108.310

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

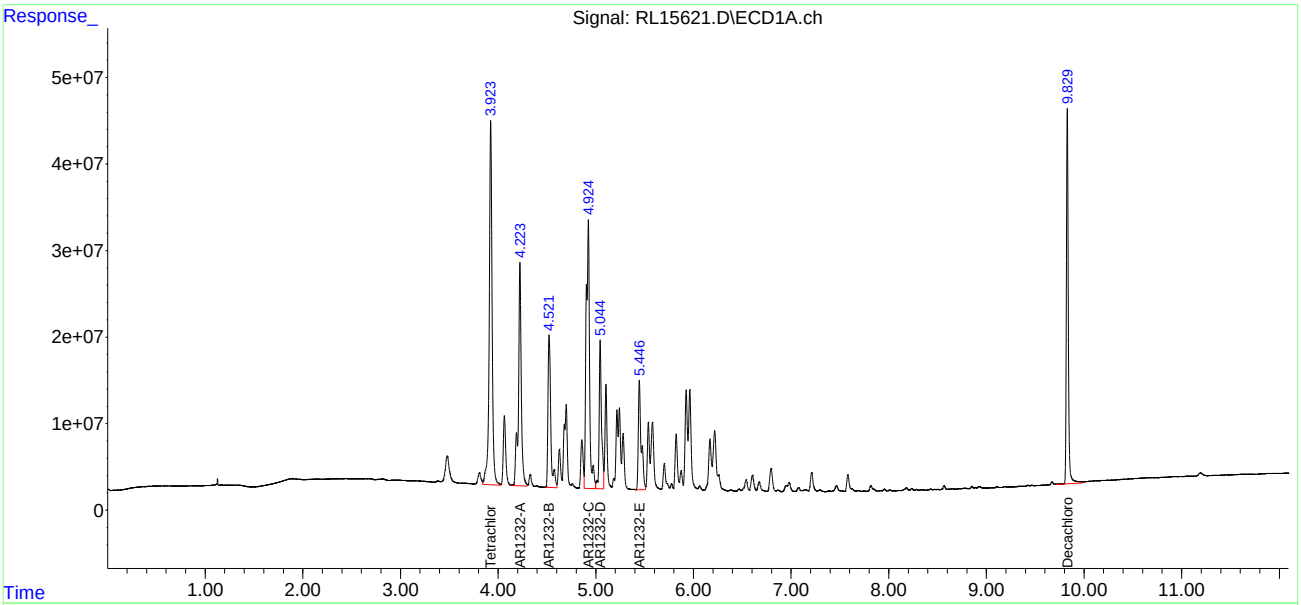
11.3.10 11

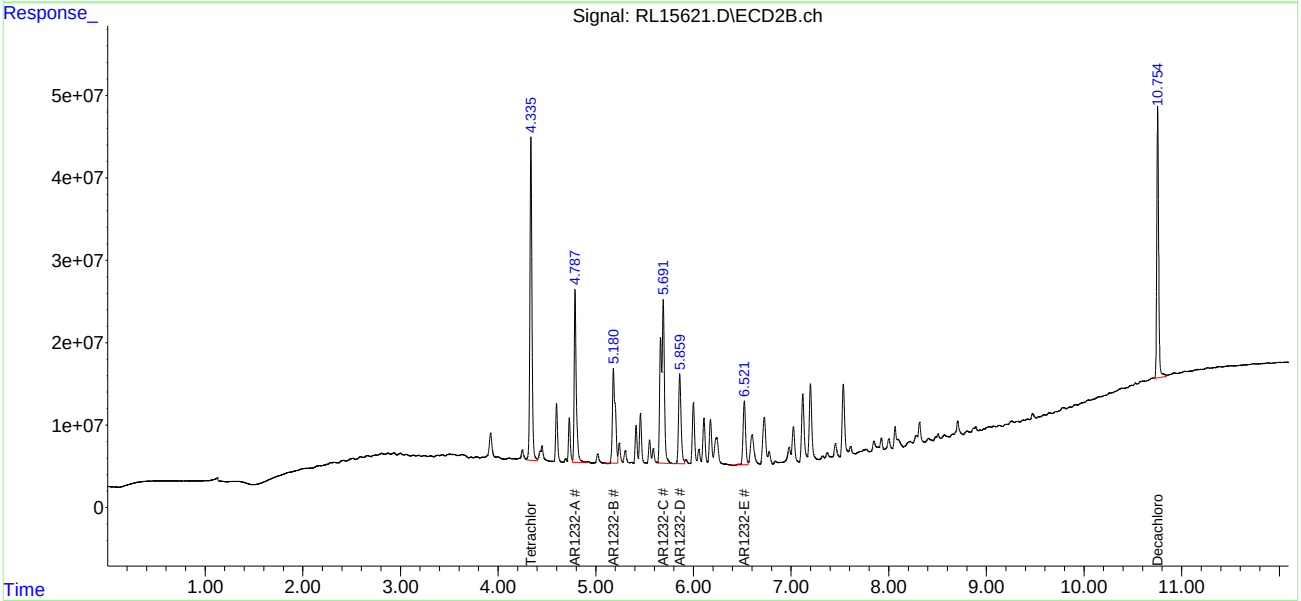
Quantitation Report (QT Reviewed)

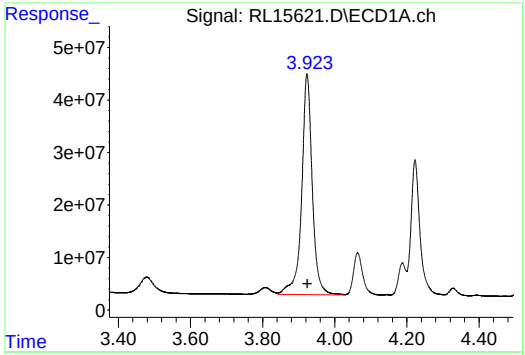
Data Path : C:\msdchem\1\data\grl343\
Data File : RL15621.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2024 05:55 am
Operator : christp
Sample : ic343-100
Misc : op54010,grl343,5.1,,,10,1
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 07:08:57 2024
Quant Method : C:\msdchem\1\methods\pcblvigcrl343a.m
Quant Title :
QLast Update : Mon Apr 29 07:08:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

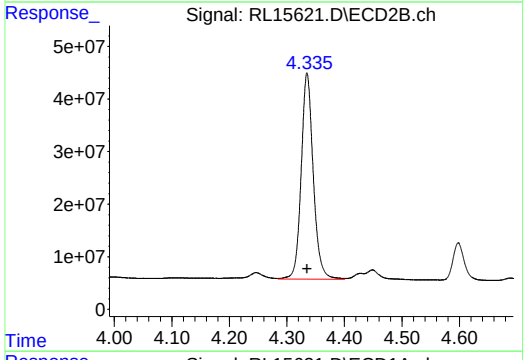






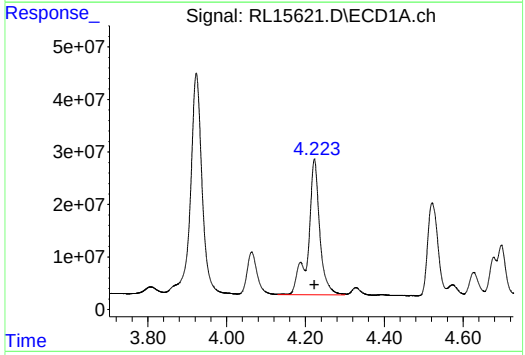
#1 Tetrachloro-m-xylene

R.T.: 3.924 min
Delta R.T.: 0.000 min
Response: 860437759
Conc: 4.43 ppb



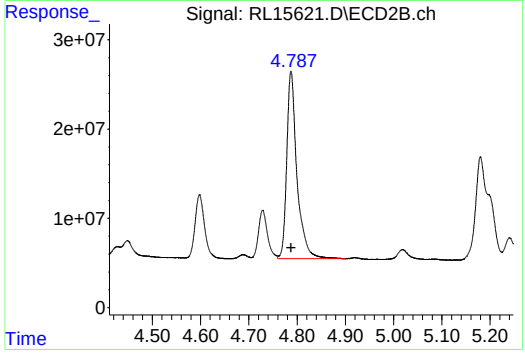
#1 Tetrachloro-m-xylene

R.T.: 4.335 min
Delta R.T.: 0.000 min
Response: 571465063
Conc: 3.98 ppb



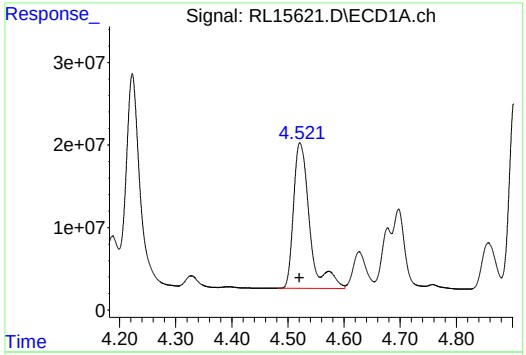
#7 AR1232-A

R.T.: 4.223 min
Delta R.T.: 0.000 min
Response: 532192037
Conc: 148.42 PPB



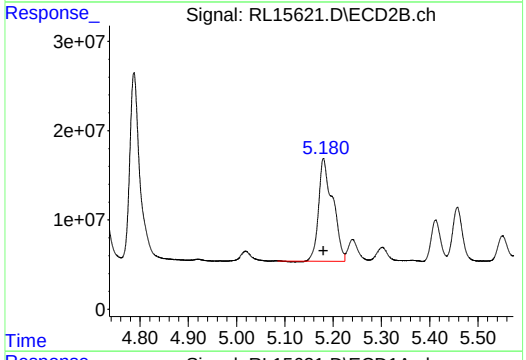
#7 AR1232-A

R.T.: 4.788 min
Delta R.T.: 0.000 min
Response: 308206942
Conc: 113.38 PPB



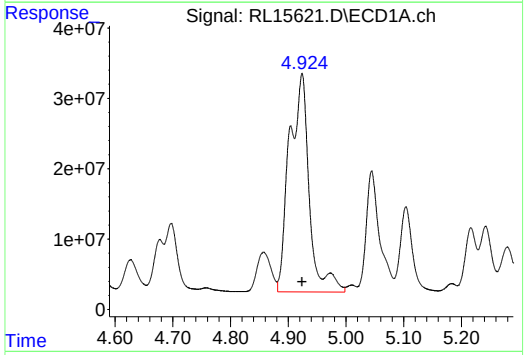
#8 AR1232-B

R.T.: 4.523 min
Delta R.T.: 0.002 min
Response: 354040331
Conc: 131.26 PPB



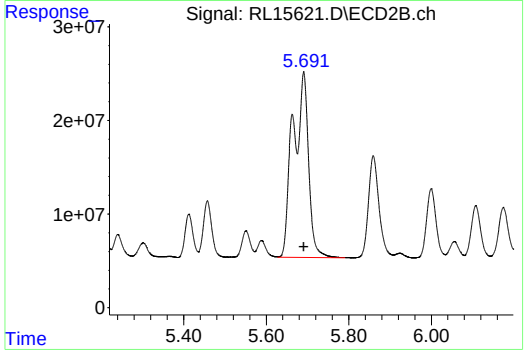
#8 AR1232-B

R.T.: 5.180 min
Delta R.T.: 0.000 min
Response: 233873470
Conc: 102.01 PPB



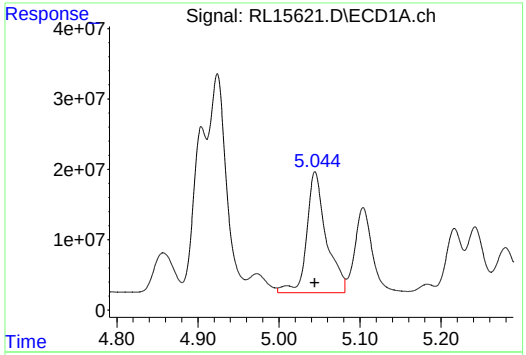
#9 AR1232-C

R.T.: 4.923 min
Delta R.T.: -0.001 min
Response: 739914457
Conc: 126.98 PPB



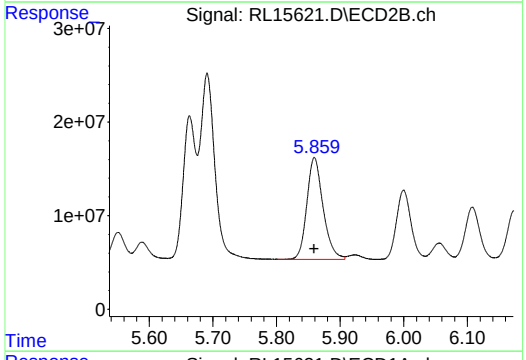
#9 AR1232-C

R.T.: 5.691 min
Delta R.T.: 0.000 min
Response: 514592262
Conc: 112.90 PPB m



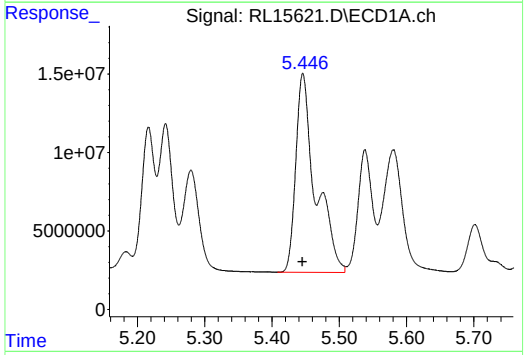
#10 AR1232-D

R.T.: 5.045 min
Delta R.T.: 0.000 min
Response: 288048747
Conc: 124.49 PPB



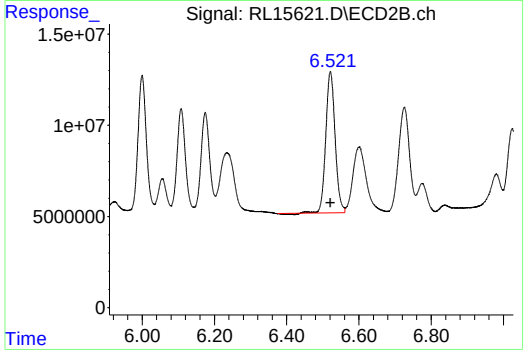
#10 AR1232-D

R.T.: 5.860 min
Delta R.T.: 0.000 min
Response: 193290324
Conc: 108.69 PPB



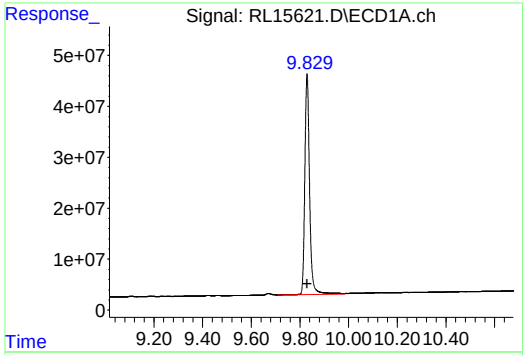
#11 AR1232-E

R.T.: 5.446 min
Delta R.T.: 0.000 min
Response: 259698875
Conc: 116.89 PPB



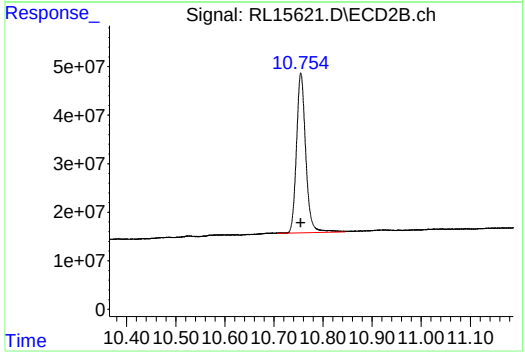
#11 AR1232-E

R.T.: 6.521 min
Delta R.T.: 0.000 min
Response: 139082532
Conc: 108.31 PPB



#51 Decachlorobiphenyl

R.T.: 9.830 min
Delta R.T.: 0.000 min
Response: 587550680
Conc: 5.18 ppb



#51 Decachlorobiphenyl

R.T.: 10.754 min
Delta R.T.: 0.000 min
Response: 431367630
Conc: 4.61 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug
04/29/24 20:59

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\grl343\
Data File : RL15622.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2024 06:12 am
Operator : christp
Sample : ic343-100
Misc : op54010,grl343,5.1,,,10,1
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 07:10:29 2024
Quant Method : C:\msdchem\1\methods\pcblvigcrl343a.m
Quant Title :
QLast Update : Mon Apr 29 07:10:24 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) S	Tetrachlo...	3.924	4.335	792.7E6	564.4E6	4.085	3.935
	Spiked Amount 40.000			Recovery =		10.21%	9.84%
51) S	Decachlor...	9.833	10.762	576.7E6	430.1E6	5.085m	4.596
	Spiked Amount 40.000			Recovery =		12.71%	11.49%
	Target Compounds						
31)	AR1262-A	7.460	8.507	1078.3E6	863.3E6	140.929	162.162
32)	AR1262-B	7.954	8.972	1456.4E6	1263.4E6	154.853	174.330
33)	AR1262-C	8.235	9.261	1173.8E6	980.3E6	141.256	142.066
34)	AR1262-D	8.568	9.472	2751.4E6	2085.9E6	156.370	151.053
35)	AR1262-E	8.884	9.787	2863.9E6	2188.0E6	153.233m	145.811m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

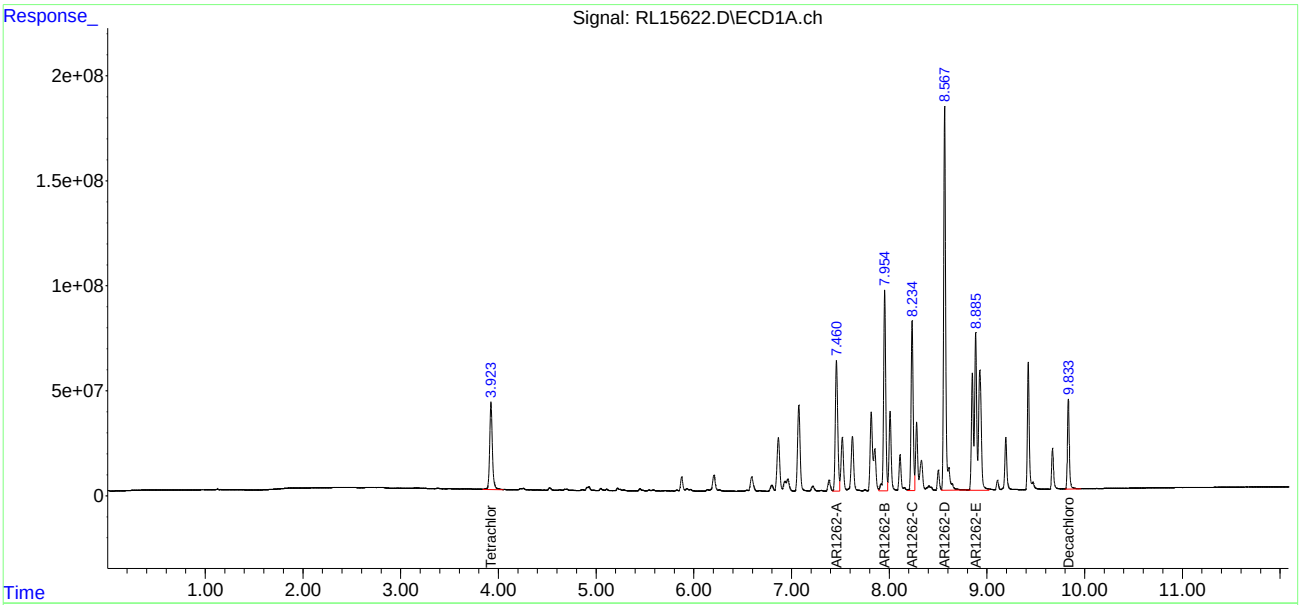
11.3.11
11

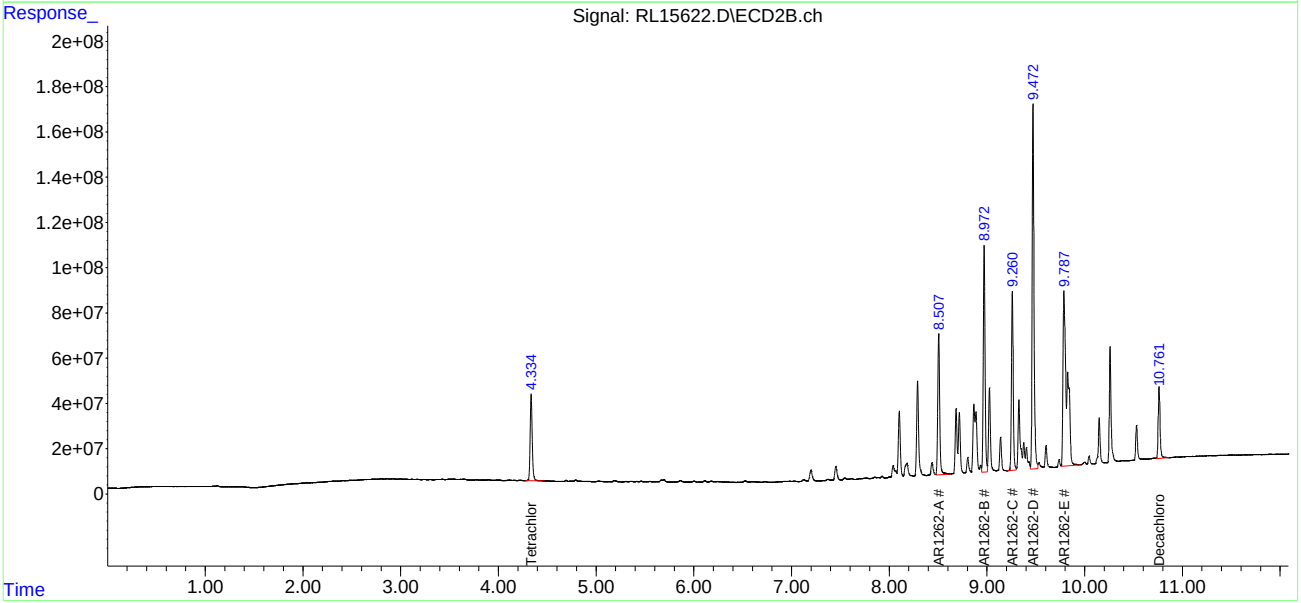
Quantitation Report (QT Reviewed)

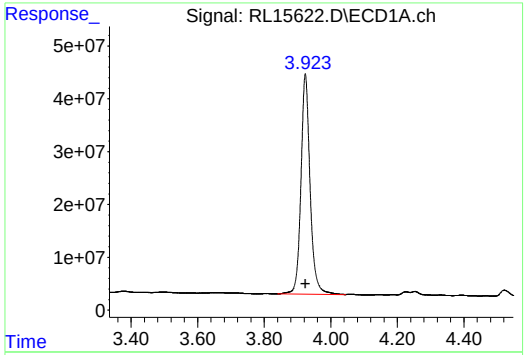
Data Path : C:\msdchem\1\data\grl343\
Data File : RL15622.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2024 06:12 am
Operator : christp
Sample : ic343-100
Misc : op54010,grl343,5.1,,,10,1
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 07:10:29 2024
Quant Method : C:\msdchem\1\methods\pcblvigcrl343a.m
Quant Title :
QLast Update : Mon Apr 29 07:10:24 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

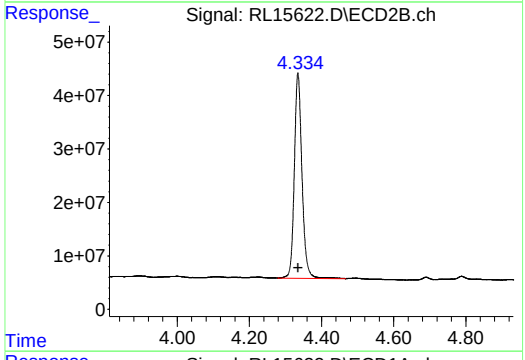






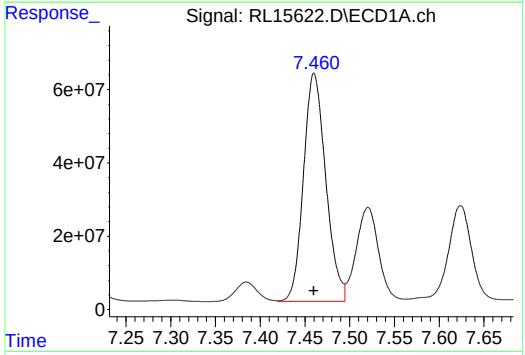
#1 Tetrachloro-m-xylene

R.T.: 3.924 min
Delta R.T.: 0.000 min
Response: 792695444
Conc: 4.08 ppb



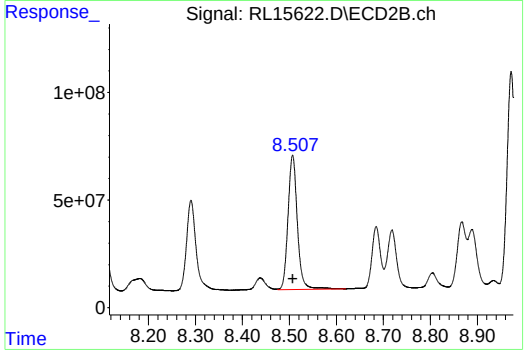
#1 Tetrachloro-m-xylene

R.T.: 4.335 min
Delta R.T.: 0.000 min
Response: 564414143
Conc: 3.94 ppb



#31 AR1262-A

R.T.: 7.460 min
Delta R.T.: 0.000 min
Response: 1078310297
Conc: 140.93 PPB

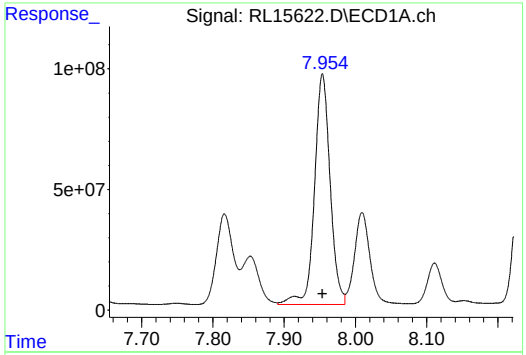


#31 AR1262-A

R.T.: 8.507 min
Delta R.T.: 0.000 min
Response: 863273518
Conc: 162.16 PPB

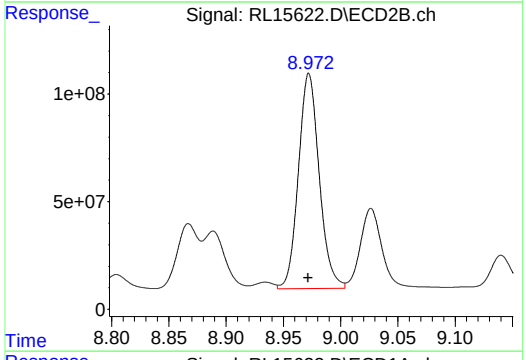
11.3.11

11



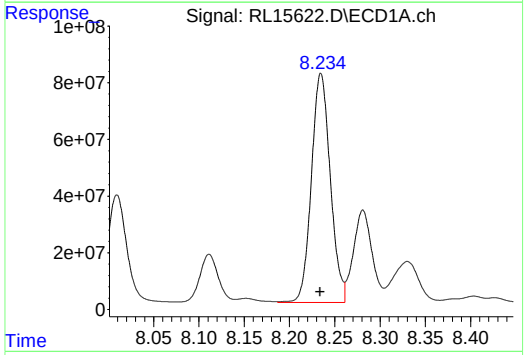
#32 AR1262-B

R.T.: 7.954 min
Delta R.T.: 0.000 min
Response: 1456443082
Conc: 154.85 PPB



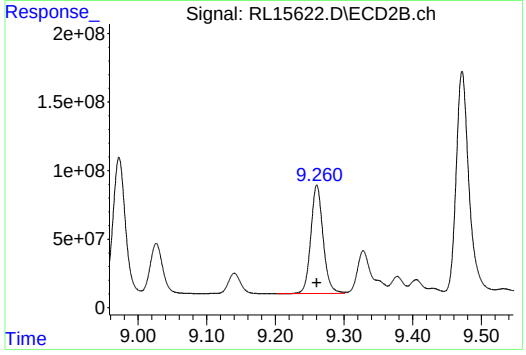
#32 AR1262-B

R.T.: 8.972 min
Delta R.T.: 0.000 min
Response: 1263406248
Conc: 174.33 PPB



#33 AR1262-C

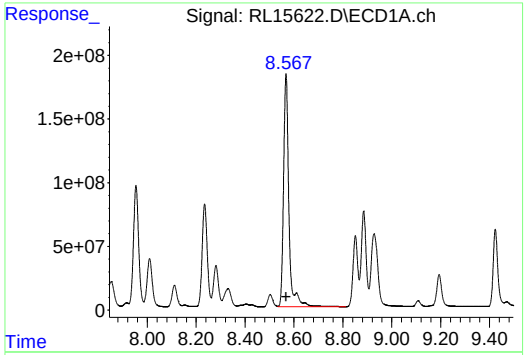
R.T.: 8.235 min
Delta R.T.: 0.000 min
Response: 1173772453
Conc: 141.26 PPB



#33 AR1262-C

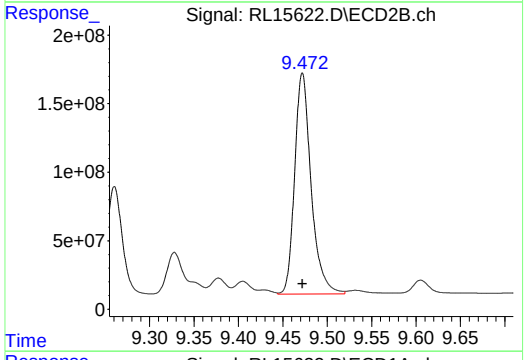
R.T.: 9.261 min
Delta R.T.: 0.000 min
Response: 980298667
Conc: 142.07 PPB

11.3.11
11



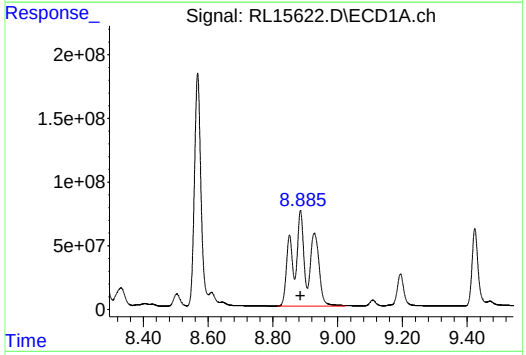
#34 AR1262-D

R.T.: 8.568 min
Delta R.T.: 0.000 min
Response: 2751409796
Conc: 156.37 PPB



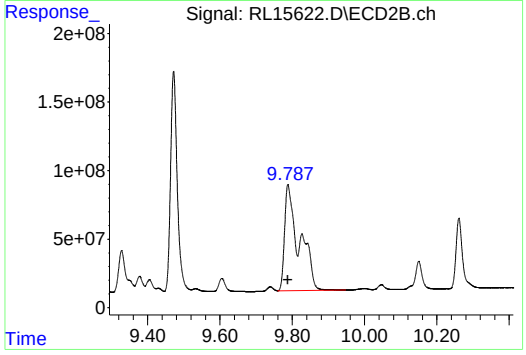
#34 AR1262-D

R.T.: 9.472 min
Delta R.T.: 0.000 min
Response: 2085933396
Conc: 151.05 PPB



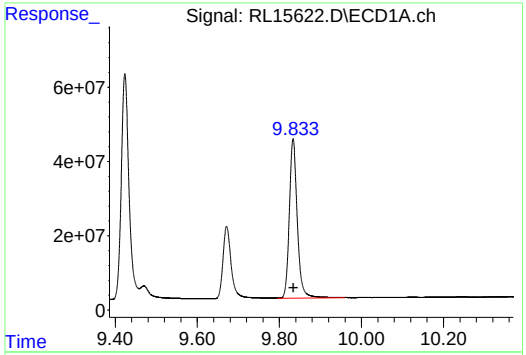
#35 AR1262-E

R.T.: 8.884 min
Delta R.T.: 0.000 min
Response: 2863874103
Conc: 153.23 PPB m



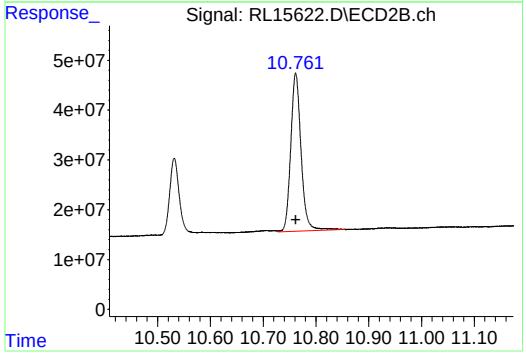
#35 AR1262-E

R.T.: 9.787 min
Delta R.T.: 0.000 min
Response: 2188042482
Conc: 145.81 PPB m



#51 Decachlorobiphenyl

R.T.: 9.833 min
Delta R.T.: 0.000 min
Response: 576745895
Conc: 5.08 ppb m



#51 Decachlorobiphenyl

R.T.: 10.762 min
Delta R.T.: 0.000 min
Response: 430090840
Conc: 4.60 ppb

Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug
04/29/24 20:59

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\grl343\
Data File : RL15623.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2024 06:28 am
Operator : christp
Sample : ic343-100
Misc : op54010,grl343,5.1,,,10,1
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 07:12:16 2024
Quant Method : C:\msdchem\1\methods\pcblvigcrl343a.m
Quant Title :
QLast Update : Mon Apr 29 07:12:11 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1)	S Tetrachlo...	3.923	4.335	849.8E6	574.0E6	4.379	4.002
	Spiked Amount 40.000			Recovery	=	10.95%	10.01%
51)	S Decachlor...	9.832	10.761	584.4E6	454.8E6	5.152	4.860
	Spiked Amount 40.000			Recovery	=	12.88%	12.15%
	Target Compounds						
12)	AR1242-A	4.522	5.182	618.0E6	426.0E6	1274.758	108.977 #
13)	AR1242-B	4.924	5.692	1311.9E6	986.0E6	123.398	117.576m
14)	AR1242-C	5.045	5.861	523.5E6	359.3E6	123.887	111.659
15)	AR1242-D	5.447	6.521	395.4E6	294.2E6	89.278	113.198 #
16)	AR1242-E	5.963	7.199	447.4E6	357.1E6	125.701	114.207

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

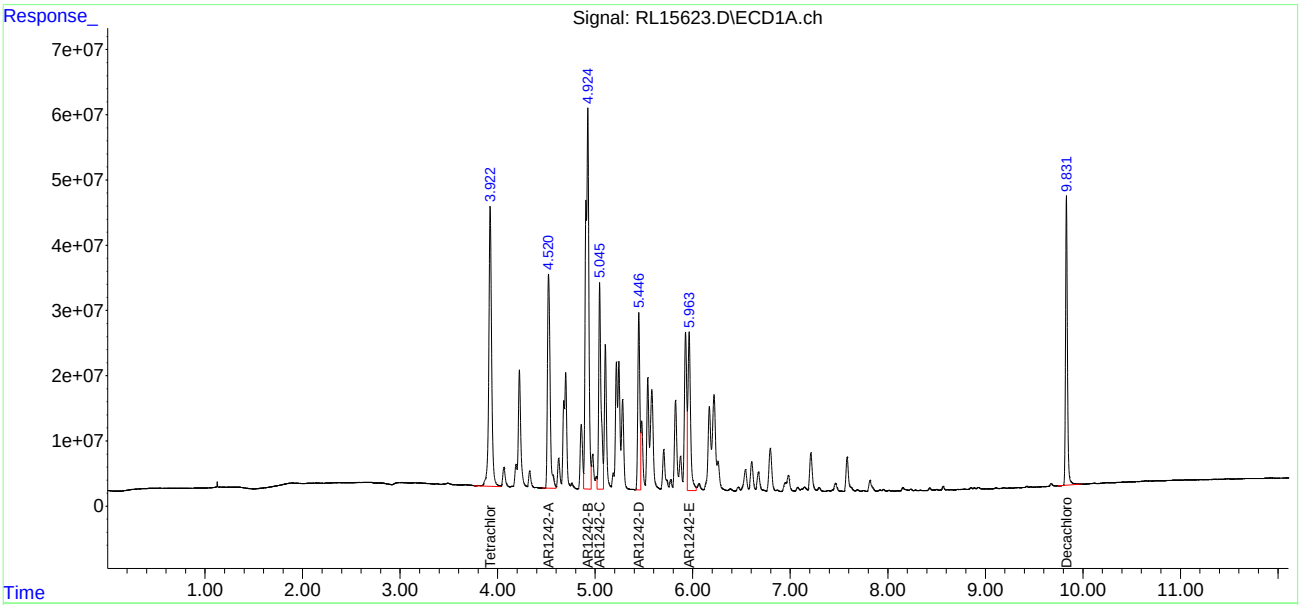
11.3.12
11

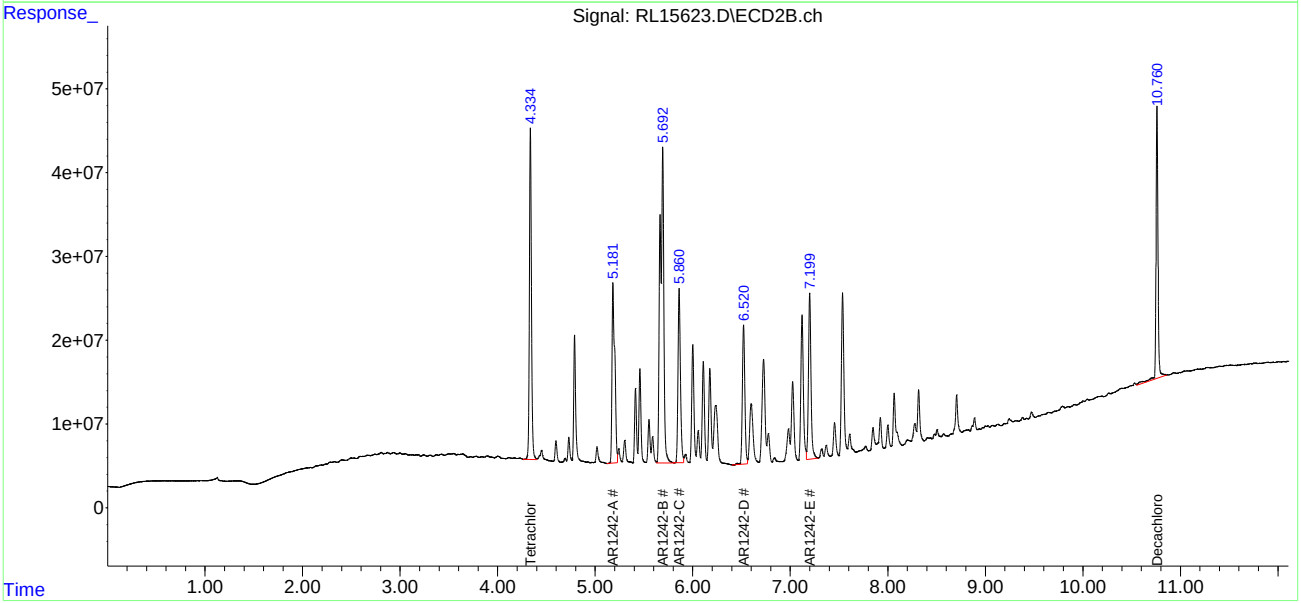
Quantitation Report (QT Reviewed)

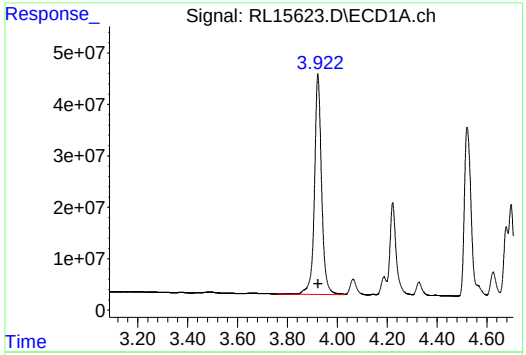
Data Path : C:\msdchem\1\data\grl343\
Data File : RL15623.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2024 06:28 am
Operator : christp
Sample : ic343-100
Misc : op54010,grl343,5.1,,,10,1
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 07:12:16 2024
Quant Method : C:\msdchem\1\methods\pcblvigcrl343a.m
Quant Title :
QLast Update : Mon Apr 29 07:12:11 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

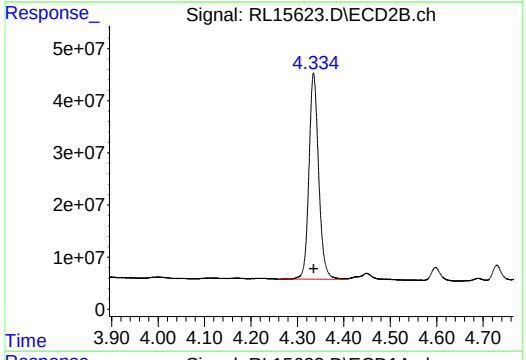






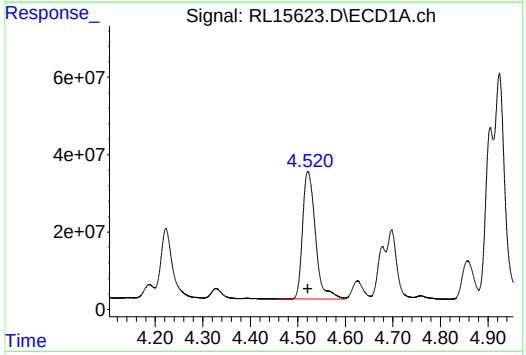
#1 Tetrachloro-m-xylene

R.T.: 3.923 min
Delta R.T.: 0.000 min
Response: 849811103
Conc: 4.38 ppb



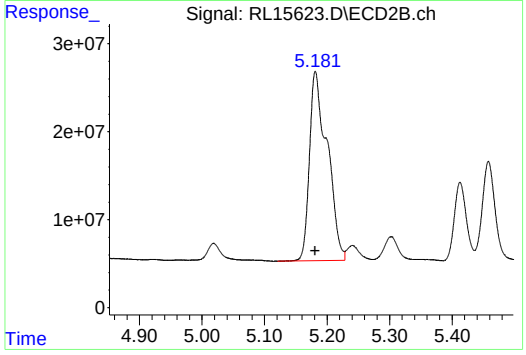
#1 Tetrachloro-m-xylene

R.T.: 4.335 min
Delta R.T.: 0.000 min
Response: 574005186
Conc: 4.00 ppb



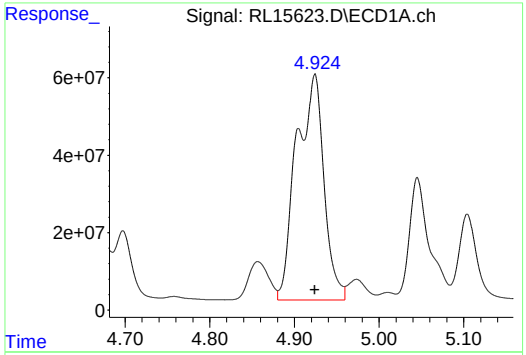
#12 AR1242-A

R.T.: 4.522 min
Delta R.T.: 0.001 min
Response: 618000386
Conc: 1274.76 PPB



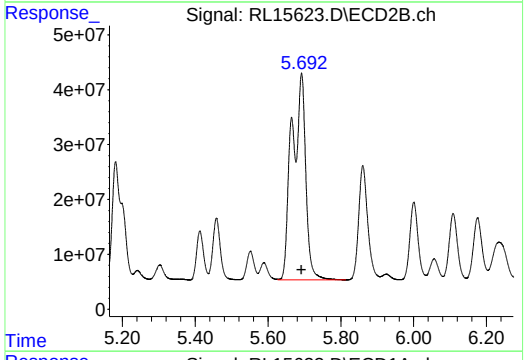
#12 AR1242-A

R.T.: 5.182 min
Delta R.T.: 0.000 min
Response: 425963145
Conc: 108.98 PPB



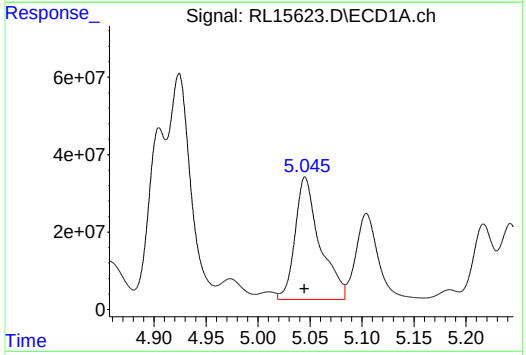
#13 AR1242-B

R.T.: 4.924 min
Delta R.T.: 0.000 min
Response: 1311882302
Conc: 123.40 PPB



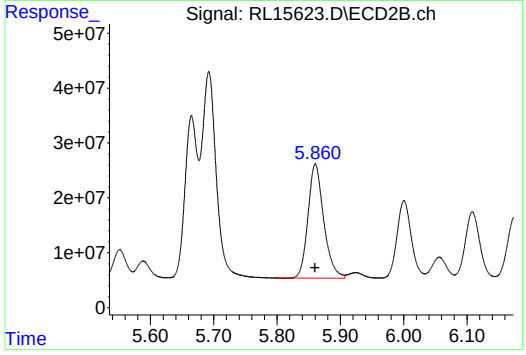
#13 AR1242-B

R.T.: 5.692 min
Delta R.T.: 0.000 min
Response: 986041777
Conc: 117.58 PPB m



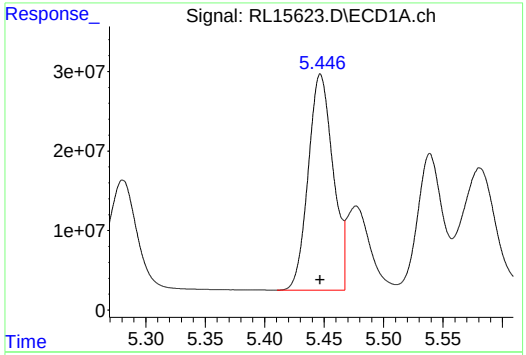
#14 AR1242-C

R.T.: 5.045 min
Delta R.T.: 0.000 min
Response: 523454257
Conc: 123.89 PPB



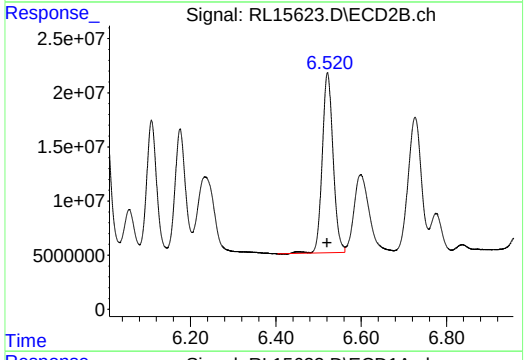
#14 AR1242-C

R.T.: 5.861 min
Delta R.T.: 0.000 min
Response: 359302954
Conc: 111.66 PPB



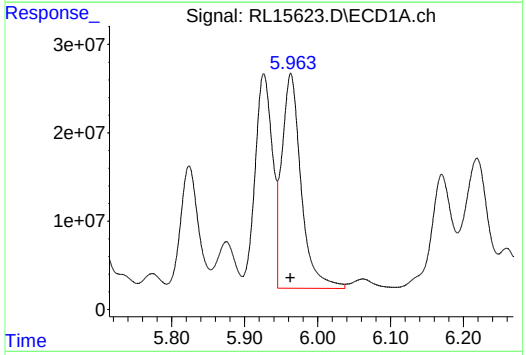
#15 AR1242-D

R.T.: 5.447 min
Delta R.T.: 0.000 min
Response: 395418810
Conc: 89.28 PPB



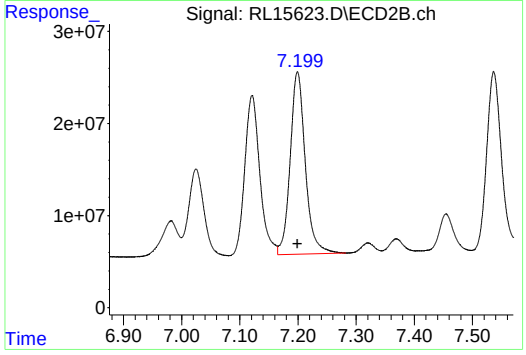
#15 AR1242-D

R.T.: 6.521 min
Delta R.T.: 0.000 min
Response: 294226316
Conc: 113.20 PPB



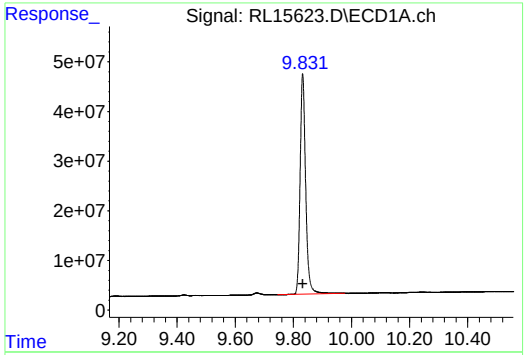
#16 AR1242-E

R.T.: 5.963 min
Delta R.T.: 0.000 min
Response: 447384728
Conc: 125.70 PPB



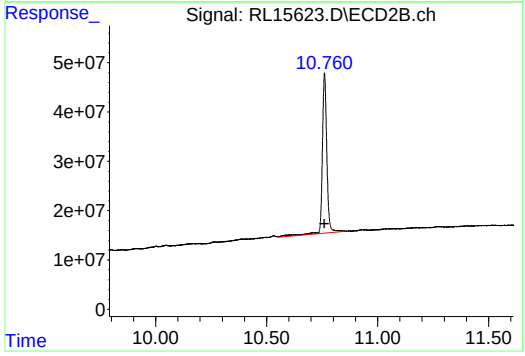
#16 AR1242-E

R.T.: 7.199 min
Delta R.T.: 0.000 min
Response: 357108128
Conc: 114.21 PPB



#51 Decachlorobiphenyl

R.T.: 9.832 min
Delta R.T.: 0.000 min
Response: 584381873
Conc: 5.15 ppb



#51 Decachlorobiphenyl

R.T.: 10.761 min
Delta R.T.: 0.000 min
Response: 454831226
Conc: 4.86 ppb

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\grl343\
Data File : RL15624.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2024 06:45 am
Operator : christp
Sample : ic343-100
Misc : op54010,grl343,5.1,,,10,1
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 07:13:51 2024
Quant Method : C:\msdchem\1\methods\pcblvigcrl343a.m
Quant Title :
QLast Update : Mon Apr 29 07:13:44 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) S	Tetrachlo...	3.923	4.336	934.5E6	645.2E6	4.816	4.498
	Spiked Amount 40.000			Recovery	=	12.04%	11.25%
51) S	Decachlor...	9.834	10.765	1880.1E6	1392.7E6	16.576	14.882
	Spiked Amount 40.000			Recovery	=	41.44%	37.20%
	Target Compounds						
36)	AR1268-A	8.886	9.788	3105.3E6	2504.8E6	170.210	159.894
37)	AR1268-B	8.924	9.828	2878.6E6	2163.4E6	153.347	142.394
38)	AR1268-C	9.108	10.047	2301.8E6	1755.9E6	155.596	142.485
39)	AR1268-D	9.424	10.262	976.8E6	738.4E6	162.556	146.045
40)	AR1268-E	9.673	10.534	6917.6E6	5254.8E6	161.627	133.060

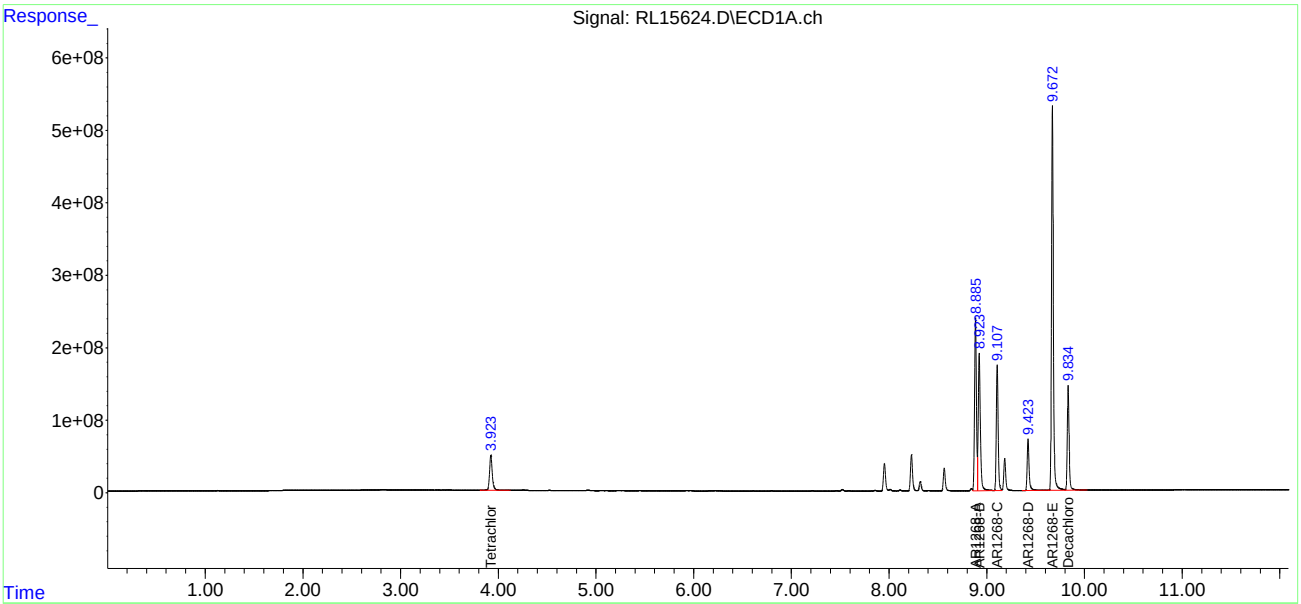
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

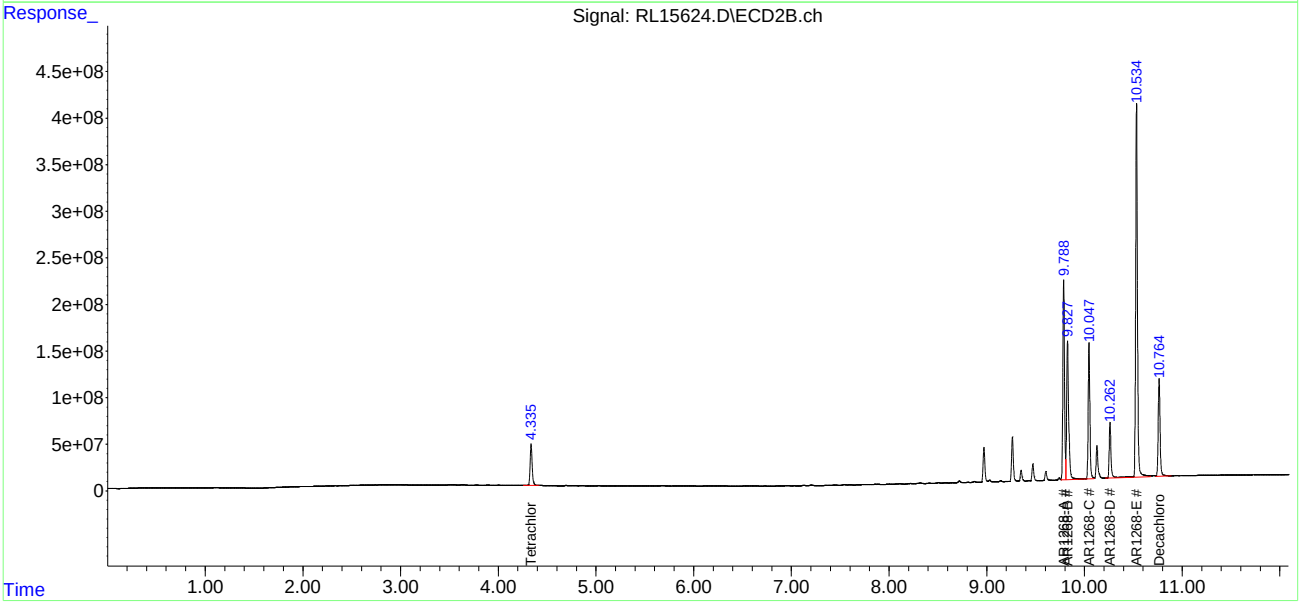
Quantitation Report (QT Reviewed)

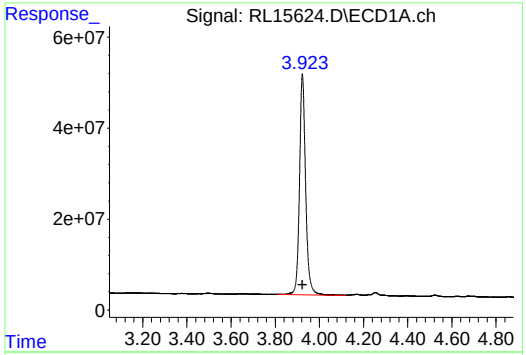
Data Path : C:\msdchem\1\data\grl343\
Data File : RL15624.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2024 06:45 am
Operator : christp
Sample : ic343-100
Misc : op54010,grl343,5.1,,,10,1
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 07:13:51 2024
Quant Method : C:\msdchem\1\methods\pcblvigcrl343a.m
Quant Title :
QLast Update : Mon Apr 29 07:13:44 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

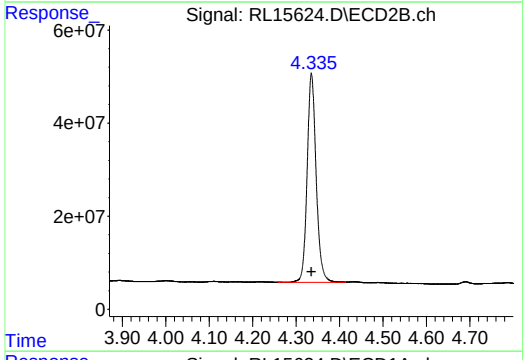






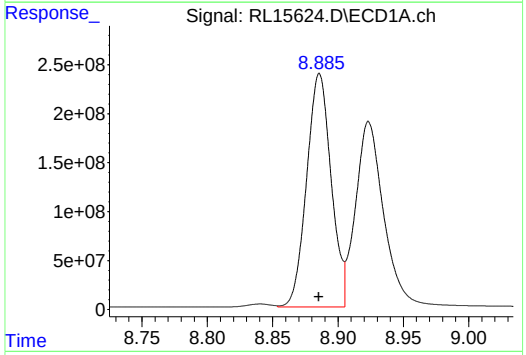
#1 Tetrachloro-m-xylene

R.T.: 3.923 min
Delta R.T.: 0.000 min
Response: 934532101
Conc: 4.82 ppb



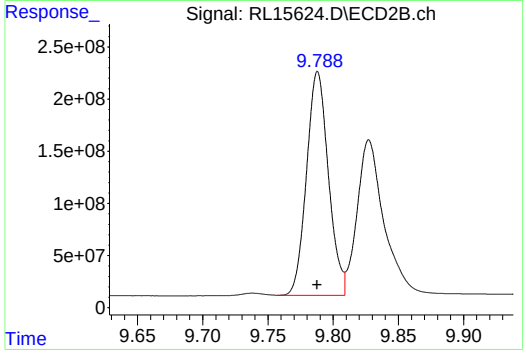
#1 Tetrachloro-m-xylene

R.T.: 4.336 min
Delta R.T.: 0.000 min
Response: 645213250
Conc: 4.50 ppb



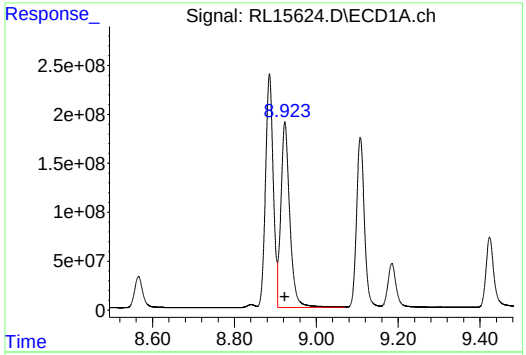
#36 AR1268-A

R.T.: 8.886 min
Delta R.T.: 0.000 min
Response: 3105343773
Conc: 170.21 PPB



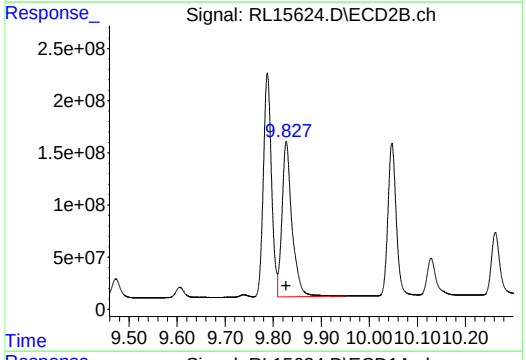
#36 AR1268-A

R.T.: 9.788 min
Delta R.T.: 0.000 min
Response: 2504778260
Conc: 159.89 PPB



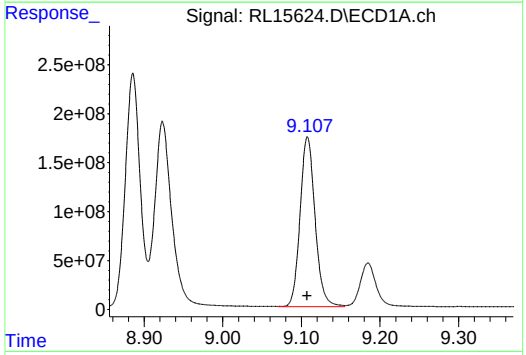
#37 AR1268-B

R.T.: 8.924 min
Delta R.T.: 0.000 min
Response: 2878623935
Conc: 153.35 PPB



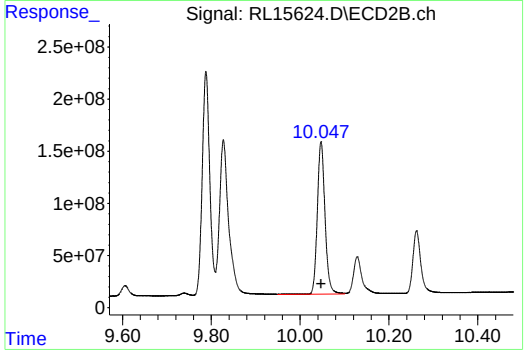
#37 AR1268-B

R.T.: 9.828 min
Delta R.T.: 0.000 min
Response: 2163394968
Conc: 142.39 PPB



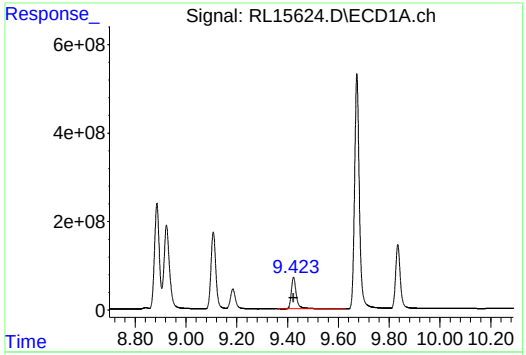
#38 AR1268-C

R.T.: 9.108 min
Delta R.T.: 0.000 min
Response: 2301816520
Conc: 155.60 PPB



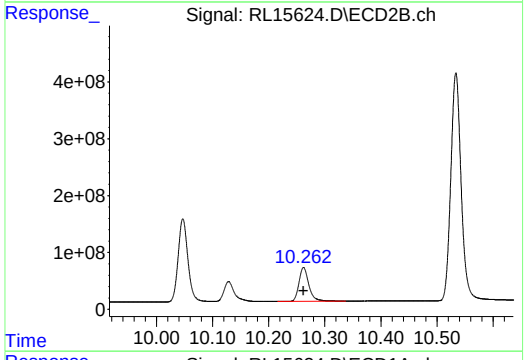
#38 AR1268-C

R.T.: 10.047 min
Delta R.T.: 0.000 min
Response: 1755895709
Conc: 142.49 PPB



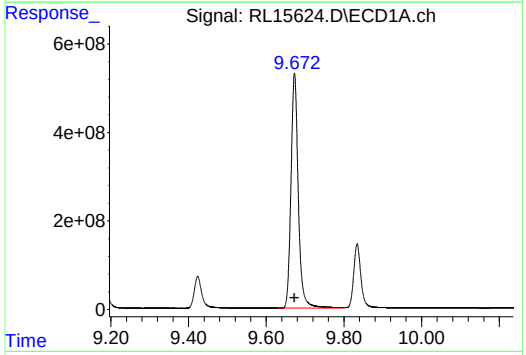
#39 AR1268-D

R.T.: 9.424 min
Delta R.T.: 0.000 min
Response: 976771567
Conc: 162.56 PPB



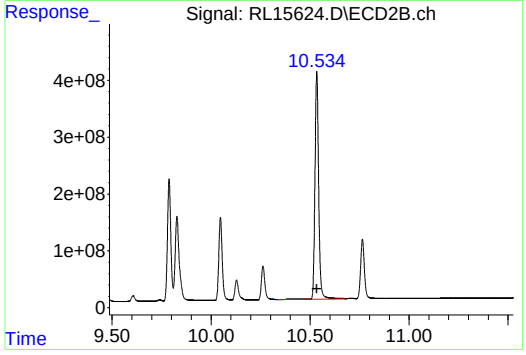
#39 AR1268-D

R.T.: 10.262 min
Delta R.T.: 0.000 min
Response: 738419159
Conc: 146.04 PPB



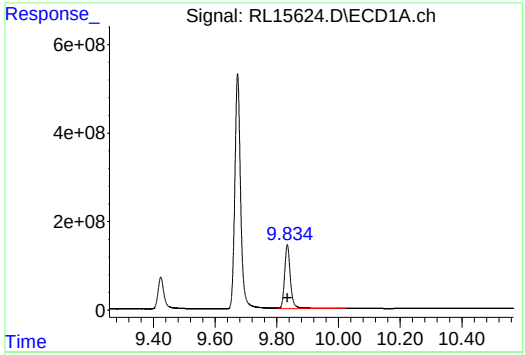
#40 AR1268-E

R.T.: 9.673 min
Delta R.T.: 0.000 min
Response: 6917556210
Conc: 161.63 PPB



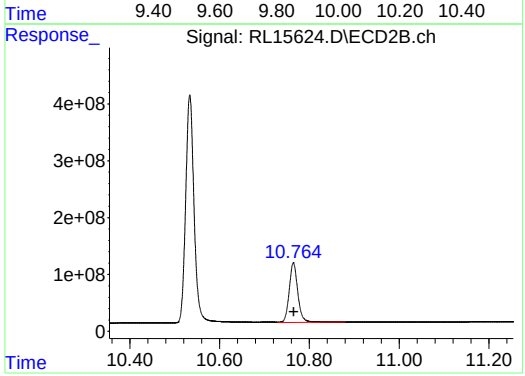
#40 AR1268-E

R.T.: 10.534 min
Delta R.T.: 0.000 min
Response: 5254755466
Conc: 133.06 PPB



#51 Decachlorobiphenyl

R.T.: 9.834 min
Delta R.T.: 0.000 min
Response: 1880125255
Conc: 16.58 ppb



#51 Decachlorobiphenyl

R.T.: 10.765 min
Delta R.T.: 0.000 min
Response: 1392651795
Conc: 14.88 ppb

Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug
04/29/24 20:59

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\grl343\
Data File : RL15625.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2024 07:02 am
Operator : christp
Sample : ic343-100
Misc : op54010,grl343,5.1,,,10,1
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 07:16:04 2024
Quant Method : C:\msdchem\1\methods\pcblvigcrl343a.m
Quant Title :
QLast Update : Mon Apr 29 07:16:00 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) S	Tetrachlo...	3.923	4.335	766.8E6	526.1E6	3.951	3.668
	Spiked Amount 40.000			Recovery	=	9.88%	9.17%
51) S	Decachlor...	9.833	10.762	547.9E6	416.6E6	4.831	4.452
	Spiked Amount 40.000			Recovery	=	12.08%	11.13%
	Target Compounds						
17)	AR1248-A	4.519	5.181	277.6E6	189.1E6	120.145	110.020
18)	AR1248-B	4.923	5.663	794.6E6	579.8E6	125.026m	114.690m
19)	AR1248-C	5.216	6.108	476.9E6	360.8E6	48.822	114.627 #
20)	AR1248-D	5.538	6.521	419.8E6	478.5E6	62.364	116.545 #
21)	AR1248-E	5.823	6.725	375.7E6	434.7E6	113.005	117.565
22)	AR1248-F	5.963	7.198	742.2E6	646.8E6	64.234	117.829 #
23)	AR1248-G	6.215	7.536	623.7E6	589.5E6	99.125	113.817

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

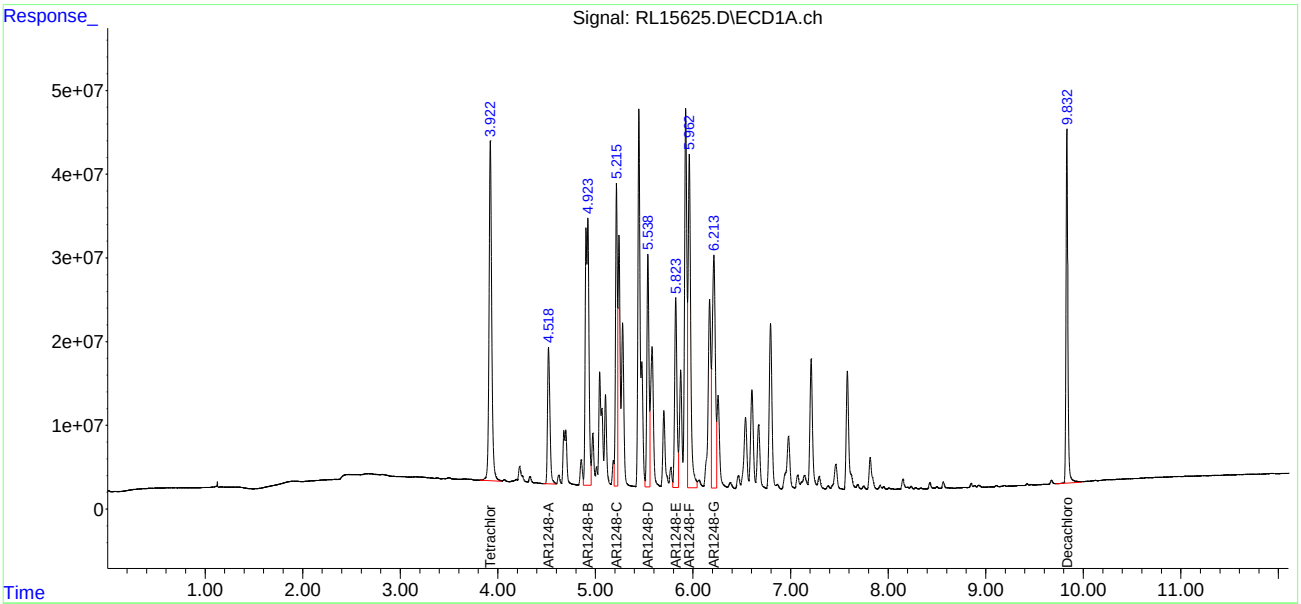
11.3.14
11

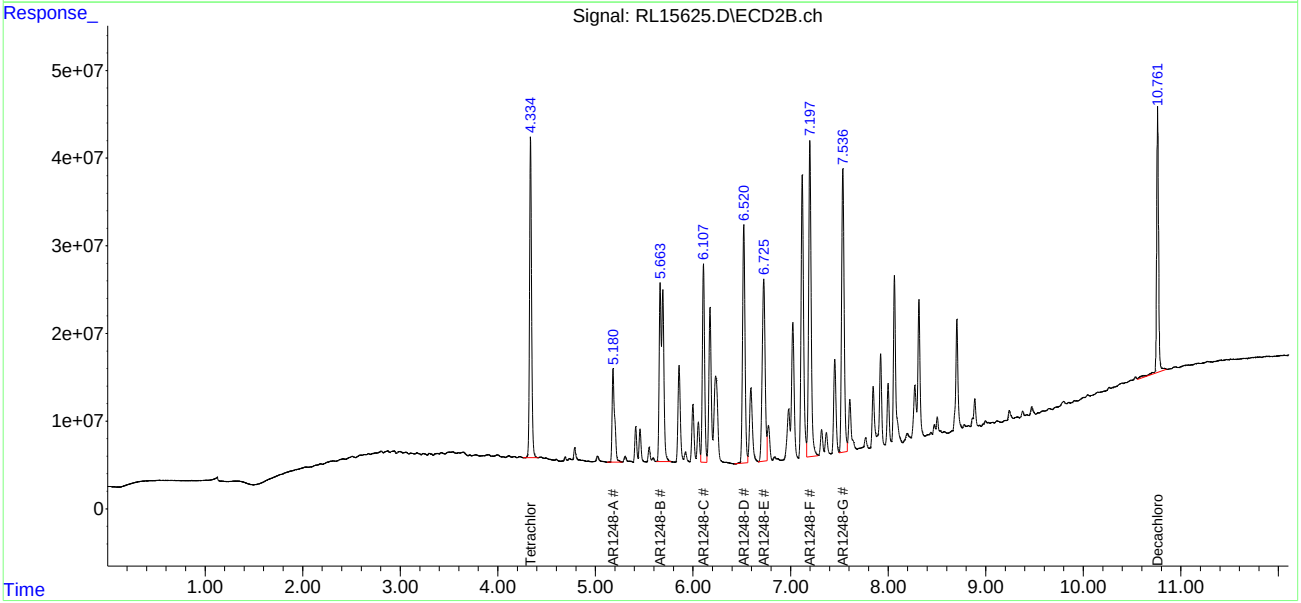
Quantitation Report (QT Reviewed)

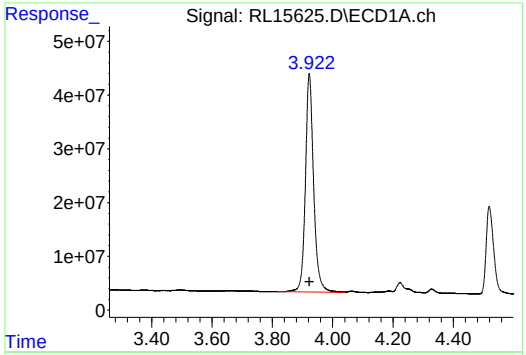
Data Path : C:\msdchem\1\data\grl343\
Data File : RL15625.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2024 07:02 am
Operator : christp
Sample : ic343-100
Misc : op54010,grl343,5.1,,,10,1
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 07:16:04 2024
Quant Method : C:\msdchem\1\methods\pcblvigcrl343a.m
Quant Title :
QLast Update : Mon Apr 29 07:16:00 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

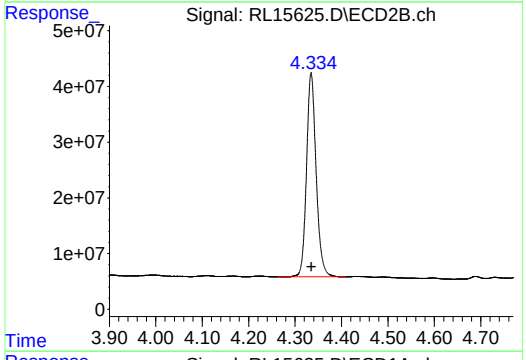






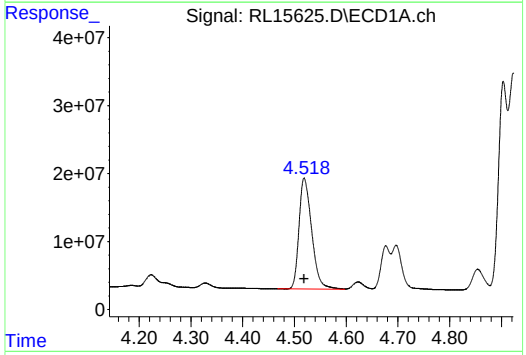
#1 Tetrachloro-m-xylene

R.T.: 3.923 min
Delta R.T.: 0.000 min
Response: 766764495
Conc: 3.95 ppb



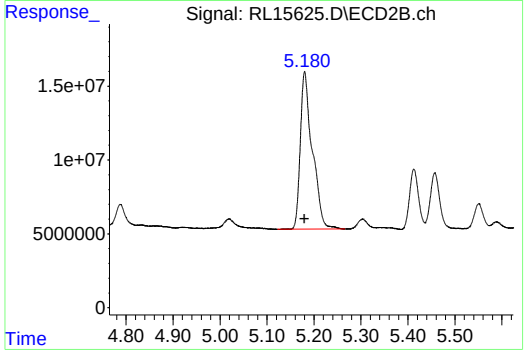
#1 Tetrachloro-m-xylene

R.T.: 4.335 min
Delta R.T.: 0.000 min
Response: 526063477
Conc: 3.67 ppb



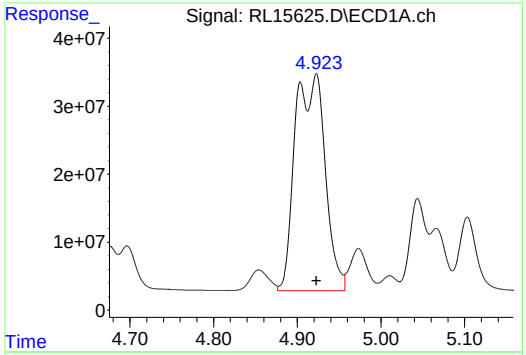
#17 AR1248-A

R.T.: 4.519 min
Delta R.T.: 0.000 min
Response: 277561660
Conc: 120.14 PPB



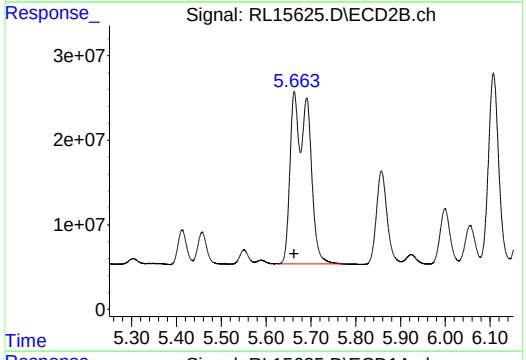
#17 AR1248-A

R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 189058308
Conc: 110.02 PPB



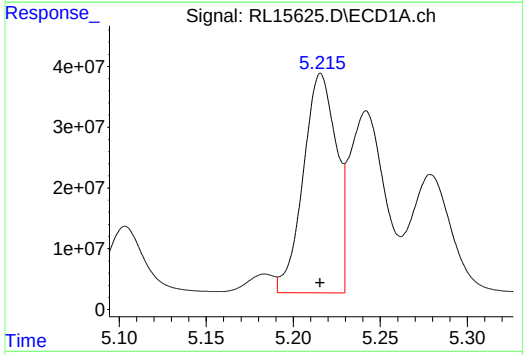
#18 AR1248-B

R.T.: 4.923 min
Delta R.T.: 0.000 min
Response: 794552342
Conc: 125.03 PPB m



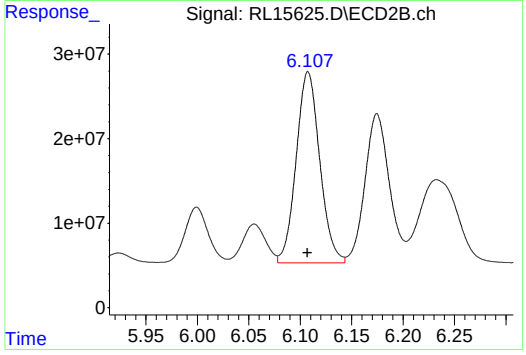
#18 AR1248-B

R.T.: 5.663 min
Delta R.T.: 0.000 min
Response: 579777363
Conc: 114.69 PPB m



#19 AR1248-C

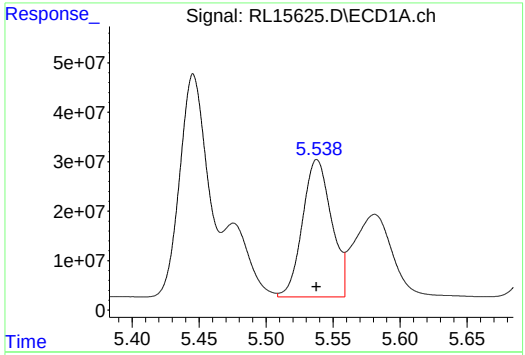
R.T.: 5.216 min
Delta R.T.: 0.000 min
Response: 476886009
Conc: 48.82 PPB



#19 AR1248-C

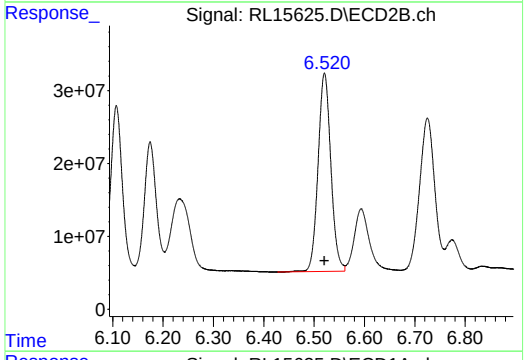
R.T.: 6.108 min
Delta R.T.: 0.000 min
Response: 360811837
Conc: 114.63 PPB

11.3.14
11



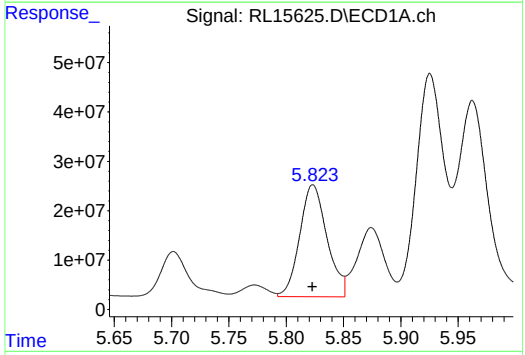
#20 AR1248-D

R.T.: 5.538 min
Delta R.T.: 0.000 min
Response: 419796123
Conc: 62.36 PPB



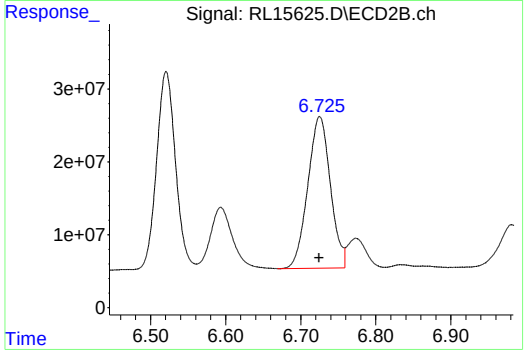
#20 AR1248-D

R.T.: 6.521 min
Delta R.T.: 0.000 min
Response: 478484048
Conc: 116.55 PPB



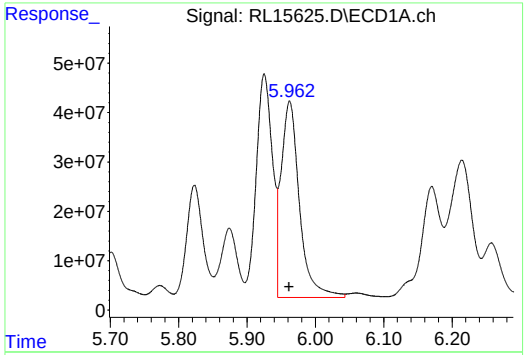
#21 AR1248-E

R.T.: 5.823 min
Delta R.T.: 0.000 min
Response: 375728187
Conc: 113.01 PPB



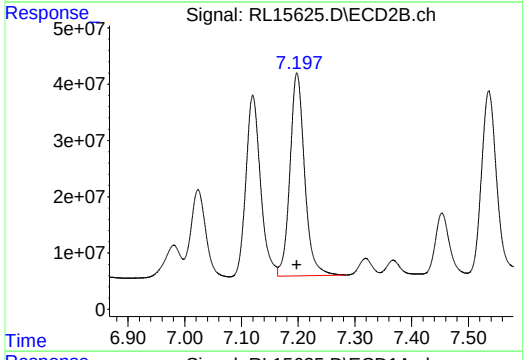
#21 AR1248-E

R.T.: 6.725 min
Delta R.T.: 0.000 min
Response: 434712982
Conc: 117.56 PPB



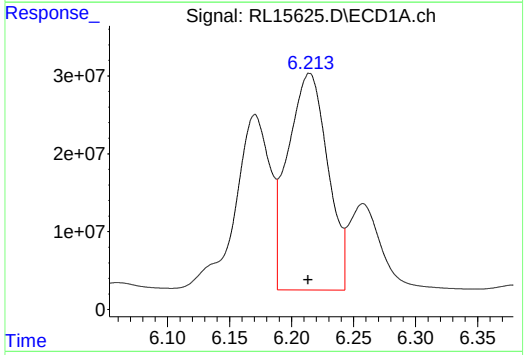
#22 AR1248-F

R.T.: 5.963 min
Delta R.T.: 0.000 min
Response: 742159033
Conc: 64.23 PPB



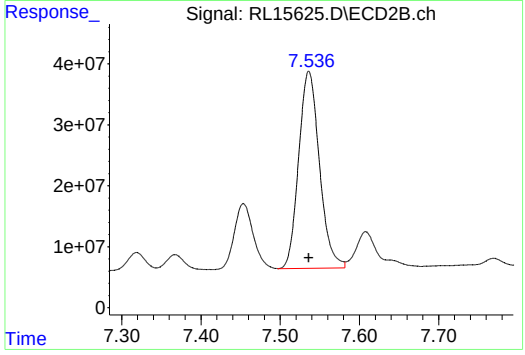
#22 AR1248-F

R.T.: 7.198 min
Delta R.T.: 0.000 min
Response: 646835804
Conc: 117.83 PPB



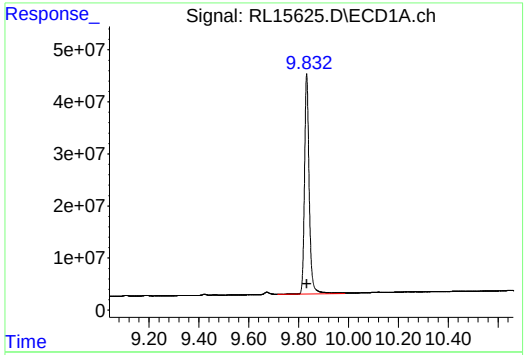
#23 AR1248-G

R.T.: 6.215 min
Delta R.T.: 0.001 min
Response: 623701032
Conc: 99.13 PPB



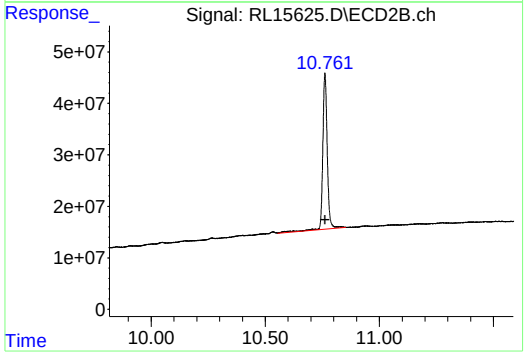
#23 AR1248-G

R.T.: 7.536 min
Delta R.T.: 0.000 min
Response: 589455220
Conc: 113.82 PPB



#51 Decachlorobiphenyl

R.T.: 9.833 min
Delta R.T.: 0.000 min
Response: 547923370
Conc: 4.83 ppb



#51 Decachlorobiphenyl

R.T.: 10.762 min
Delta R.T.: 0.000 min
Response: 416627898
Conc: 4.45 ppb

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H9112724W1.CSV Date Analyzed: 11/27/24 Methods: SW846 7470A
Analyst: MK Run ID: MA57386
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:33	MA57386-STD1	1		b=2.6554e-004,c=7.2445e-002,rho=0.9999537
11:35	MA57386-STD2	1		STDB
11:36	MA57386-STD3	1		STDC
11:38	MA57386-STD4	1		STDD
11:39	MA57386-STD5	1		STDE
11:41	MA57386-STD6	1		STDF
11:45	MA57386-STD7	1		STDC
11:46	MA57386-STD8	1		STDD
11:48	ZZZZZZ	1		
11:50	MA57386-ICV1	1		
11:55	MA57386-ICB1	1		
11:56	MA57386-CCV1	1		
11:58	MA57386-CCB1	1		
12:00	MA57386-CRI1	1		
12:01	MP51190-MB1	1		
12:03	MP51190-B1	1		
12:04	MP51190-S1	1		
12:06	MP51190-S2	1		
12:08	JE1208-1	1		(sample used for QC only; not part of login JE1300)
12:10	ZZZZZZ	1		
12:11	ZZZZZZ	1		
12:25	MA57386-CCV2	1		
12:27	MA57386-CCB2	1		
12:29	ZZZZZZ	1		
12:30	ZZZZZZ	1		
12:32	ZZZZZZ	1		
12:33	JE1300-51	1		
12:35	ZZZZZZ	1		
12:36	ZZZZZZ	1		
12:38	ZZZZZZ	1		
12:39	MA57386-CCV3	1		
12:40	MA57386-CCB3	1		
12:42	MP51191-MB1	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H9112724W1.CSV Date Analyzed: 11/27/24 Methods: SW846 7470A
Analyst: MK Run ID: MA57386
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:44	MP51191-LB1	1		
12:45	MP51191-B1	1		
12:46	MP51191-B2	1		
12:48	MP51191-LS1	1		
12:50	MP51191-S1	1		
12:52	MP51191-S2	1		
12:53	JE1278-1	1		(sample used for QC only; not part of login JE1300)
12:55	MA57386-CCV4	1		
12:57	MA57386-CCB4	1		
12:59	ZZZZZZ	1		
13:00	ZZZZZZ	1		
13:01	ZZZZZZ	1		
13:03	ZZZZZZ	1		
13:04	ZZZZZZ	1		
13:06	ZZZZZZ	1		
13:07	ZZZZZZ	1		
13:08	MA57386-CCV5	1		
13:10	MA57386-CCB5	1		
13:12	MP51190-MB1	1		
13:13	MP51190-B1	1		
13:15	MP51190-S1	1		
13:16	MP51190-S2	1		
---------->	Last reportable sample/prep for job JE1300			
13:18	ZZZZZZ	20		
13:21	MA57386-CCV6	1		
13:23	MA57386-CCB6	1		
---------->	Last reportable CCB for job JE1300			

Refer to raw data for calibration curve and standards.

REPORTED ELEMENTS SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H9112724W1.CSV Date Analyzed: 11/27/24 Methods: SW846 7470A
Analyst: MK Run ID: MA57386
Parameters: Hg

Time	Sample Description	Element: Dilution	Hg	
11:48	ZZZZZZ	1		
11:50	MA57386-ICV1	1	X	
11:55	MA57386-ICB1	1	X	
11:56	MA57386-CCV1	1	X	
11:58	MA57386-CCB1	1	X	
12:00	MA57386-CRI1	1	X	
12:01	MP51190-MB1	1		
12:03	MP51190-B1	1		
12:04	MP51190-S1	1		
12:06	MP51190-S2	1		
12:08	JE1208-1	1	X	(a)
12:10	ZZZZZZ	1		
12:11	ZZZZZZ	1		
12:25	MA57386-CCV2	1	X	
12:27	MA57386-CCB2	1	X	
12:29	ZZZZZZ	1		
12:30	ZZZZZZ	1		
12:32	ZZZZZZ	1		
12:33	JE1300-51	1	X	
12:35	ZZZZZZ	1		
12:36	ZZZZZZ	1		
12:38	ZZZZZZ	1		
12:39	MA57386-CCV3	1	X	
12:40	MA57386-CCB3	1	X	
12:42	MP51191-MB1	1	X	
12:44	MP51191-LB1	1		
12:45	MP51191-B1	1	X	
12:46	MP51191-B2	1	X	
12:48	MP51191-LS1	1	X	
12:50	MP51191-S1	1	X	
12:52	MP51191-S2	1	X	
12:53	JE1278-1	1	X	(a)
12:55	MA57386-CCV4	1	X	
		Element:	Hg	

REPORTED ELEMENTS SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H9112724W1.CSV Date Analyzed: 11/27/24 Methods: SW846 7470A
Analyst: MK Run ID: MA57386
Parameters: Hg

Time	Sample Description	Element: Dilution	Hg
12:57	MA57386-CCB4	1	X
12:59	ZZZZZZ	1	
13:00	ZZZZZZ	1	
13:01	ZZZZZZ	1	
13:03	ZZZZZZ	1	
13:04	ZZZZZZ	1	
13:06	ZZZZZZ	1	
13:07	ZZZZZZ	1	
13:08	MA57386-CCV5	1	X
13:10	MA57386-CCB5	1	X
13:12	MP51190-MB1	1	X
13:13	MP51190-B1	1	X
13:15	MP51190-S1	1	X
13:16	MP51190-S2	1	X
13:18	ZZZZZZ	20	
13:21	MA57386-CCV6	1	X
13:23	MA57386-CCB6	1	X

(a) Sample used for QC only; not part of login JE1300.

Element: Hg

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H9112724W1.CSV Date Analyzed: 11/27/24 Methods: SW846 7470A
QC Limits: result < RL Run ID: MA57386 Units: ug/l

Time:			11:55		11:58		12:27		12:40	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.04	0.0196	<0.20	-0.111	<0.20	-0.134	<0.20	-0.121	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H9112724W1.CSV Date Analyzed: 11/27/24 Methods: SW846 7470A
QC Limits: result < RL Run ID: MA57386 Units: ug/l

Time:			12:57		13:10		13:23	
Sample ID:			CCB4		CCB5		CCB6	
Metal	RL	IDL	raw	final	raw	final	raw	final
Mercury	0.20	.04	-0.149	<0.20	-0.100	<0.20	-0.0885	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H9112724W1.CSV Date Analyzed: 11/27/24 Methods: SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA57386 Units: ug/l

Time:		11:50			11:56			12:25	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	3	3.27	109.0	2.5	2.55	102.0	2.5	2.66	106.4

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H9112724W1.CSV Date Analyzed: 11/27/24 Methods: SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA57386 Units: ug/l

Time:		12:39			12:55			13:08	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.68	107.2	2.5	2.69	107.6	2.5	2.72	108.8

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H9112724W1.CSV Date Analyzed: 11/27/24 Methods: SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA57386 Units: ug/l

Time:		13:21	
Sample ID:	CCV	CCV6	
Metal	True	Results	% Rec
Mercury	2.5	2.66	106.4

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H9112724W1.CSV Date Analyzed: 11/27/24 Methods: SW846 7470A
QC Limits: 70 to 130 % Recovery Run ID: MA57386 Units: ug/l

Time:			12:00	
Sample ID:	CRI	CRIA	CRI1	
Metal	True	True	Results	% Rec
Mercury	0.20		0.202	101.0

(*) Outside of QC limits
(anr) Analyte not requested

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H8112724S1.CSV Date Analyzed: 11/27/24 Methods: SW846 7471B
Analyst: MK Run ID: MA57387
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:18	MA57387-STD1	1		b=1.0534e-004,c=1.2745e-001,rho=0.9997716
10:19	MA57387-STD2	1		STDB
10:21	MA57387-STD3	1		STDC
10:22	MA57387-STD4	1		STDD
10:24	MA57387-STD5	1		STDE
10:26	MA57387-STD6	1		STDF
10:33	ZZZZZZ	1		
10:35	MA57387-ICV1	1		
10:36	MA57387-ICB1	1		
10:42	MA57387-CCV1	1		
10:43	MA57387-CCB1	1		
10:45	MA57387-CRI1	1		
10:46	MP51192-MB1	1		
10:48	MP51192-B1	1		
10:49	MP51192-S1	1		
10:51	MP51192-S2	1		
10:53	JE1246-1	1		(sample used for QC only; not part of login JE1300)
10:55	ZZZZZZ	1		
10:56	ZZZZZZ	1		
10:58	ZZZZZZ	1		
10:59	MA57387-CCV2	1		
11:01	MA57387-CCB2	1		
11:02	ZZZZZZ	1		
11:04	ZZZZZZ	1		
11:06	ZZZZZZ	1		
11:07	ZZZZZZ	1		
11:09	ZZZZZZ	1		
11:10	ZZZZZZ	1		
11:12	ZZZZZZ	1		
11:13	ZZZZZZ	1		
11:15	MA57387-CCV3	1		
11:16	MA57387-CCB3	1		
11:18	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H8112724S1.CSV Date Analyzed: 11/27/24 Methods: SW846 7471B
Analyst: MK Run ID: MA57387
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:20	ZZZZZZ	1		
11:21	ZZZZZZ	1		
11:23	ZZZZZZ	1		
11:24	ZZZZZZ	1		
11:26	ZZZZZZ	1		
11:27	ZZZZZZ	1		
11:29	ZZZZZZ	1		
11:30	MA57387-CCV4	1		
11:32	MA57387-CCB4	1		
11:34	MP51193-MB1	1		
11:35	MP51193-B1	1		
11:37	MP51193-S1	1		
11:39	MP51193-S2	1		
11:40	JE1272-1	1		(sample used for QC only; not part of login JE1300)
11:42	ZZZZZZ	1		
11:44	ZZZZZZ	1		
11:45	ZZZZZZ	1		
11:47	MA57387-CCV5	1		
11:49	MA57387-CCB5	1		
11:51	ZZZZZZ	1		
11:52	ZZZZZZ	1		
11:53	ZZZZZZ	1		
11:56	ZZZZZZ	1		
11:57	ZZZZZZ	1		
11:59	ZZZZZZ	1		
12:00	ZZZZZZ	1		
12:02	ZZZZZZ	1		
12:03	MA57387-CCV6	1		
12:05	MA57387-CCB6	1		
12:07	ZZZZZZ	1		
12:08	ZZZZZZ	1		
12:10	ZZZZZZ	1		
12:11	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H8112724S1.CSV Date Analyzed: 11/27/24 Methods: SW846 7471B
Analyst: MK Run ID: MA57387
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:13	JE1300-33	1		
12:15	JE1300-35	1		
12:16	JE1300-37	1		
12:18	JE1300-39	1		
12:20	MA57387-CCV7	1		
12:22	MA57387-CCB7	1		
12:24	MP51194-MB1	1		
12:25	MP51194-B1	1		
12:26	MP51194-S1	1		
12:28	MP51194-S2	1		
12:30	JE1300-41	1		
12:32	JE1300-43	1		
12:34	ZZZZZZ	1		
12:36	ZZZZZZ	1		
12:40	MA57387-CCV8	1		
12:42	MA57387-CCB8	1		
12:43	ZZZZZZ	1		
12:45	ZZZZZZ	1		
12:47	ZZZZZZ	1		
12:49	ZZZZZZ	1		
12:51	ZZZZZZ	1		
12:52	ZZZZZZ	1		
12:54	ZZZZZZ	1		
12:55	ZZZZZZ	1		
12:57	MA57387-CCV9	1		
12:59	MA57387-CCB9	1		
13:01	ZZZZZZ	1		
13:02	ZZZZZZ	1		
13:04	ZZZZZZ	1		
13:06	ZZZZZZ	1		
13:08	ZZZZZZ	1		
13:09	ZZZZZZ	1		
13:11	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H8112724S1.CSV Date Analyzed: 11/27/24 Methods: SW846 7471B
Analyst: MK Run ID: MA57387
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:13	ZZZZZZ	1		
13:15	ZZZZZZ	1		
13:17	MA57387-CCV10	1		
13:20	MA57387-CCB10	1		
13:22	MP51208-MB1	1		
13:24	MP51208-B1	1		
13:25	MP51208-S1	1		
13:27	MP51208-S2	1		
13:29	MP51208-D1	1		
13:31	MP51208-LC1	1		
13:33	JE1121-14	1		(sample used for QC only; not part of login JE1300)
13:35	ZZZZZZ	1		
13:37	MA57387-CCV11	1		
13:39	MA57387-CCB11	1		
13:41	ZZZZZZ	1		
13:42	ZZZZZZ	1		
13:44	ZZZZZZ	1		
13:46	ZZZZZZ	1		
13:48	ZZZZZZ	1		
13:50	ZZZZZZ	1		
13:52	ZZZZZZ	1		
13:54	ZZZZZZ	1		
13:56	MA57387-CCV12	1		
13:58	MA57387-CCB12	1		
14:00	ZZZZZZ	1		
14:01	ZZZZZZ	1		
14:03	ZZZZZZ	1		
14:04	ZZZZZZ	1		
14:06	ZZZZZZ	1		
14:08	ZZZZZZ	1		
14:10	ZZZZZZ	1		
14:12	ZZZZZZ	1		
14:14	MA57387-CCV13	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H8112724S1.CSV Date Analyzed: 11/27/24 Methods: SW846 7471B
Analyst: MK Run ID: MA57387
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:16	MA57387-CCB13	1		
14:18	ZZZZZZ	1		
14:19	ZZZZZZ	1		
14:21	ZZZZZZ	1		
14:23	ZZZZZZ	1		
14:27	ZZZZZZ	2		
14:29	ZZZZZZ	50		
14:30	ZZZZZZ	5		
14:32	ZZZZZZ	50		
14:34	MA57387-CCV14	1		
14:36	MA57387-CCB14	1		
14:38	ZZZZZZ	50		
14:39	MP51194-PS1	1		
---------->	Last reportable sample/prep for job JE1300			
14:41	ZZZZZZ	100		
14:45	MP51208-S1	2		
14:47	MP51208-S2	2		
14:49	MP51208-D1	2		
14:51	ZZZZZZ	2		
14:52	ZZZZZZ	2		
14:54	MA57387-CCV15	1		
14:56	MA57387-CCB15	1		
---------->	Last reportable CCB for job JE1300			
14:58	ZZZZZZ	2		
14:59	ZZZZZZ	5		
15:01	ZZZZZZ	5		
15:03	ZZZZZZ	2		
15:05	ZZZZZZ	2		
15:07	ZZZZZZ	2		
15:09	ZZZZZZ	2		
15:10	MP51208-LC1	1		
15:12	MA57387-CCV16	1		
15:14	MA57387-CCB16	1		

Refer to raw data for calibration curve and standards.

REPORTED ELEMENTS SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H8112724S1.CSV Date Analyzed: 11/27/24 Methods: SW846 7471B
Analyst: MK Run ID: MA57387
Parameters: Hg

Time	Sample Description	Element: Dilution	Hg	
10:33	ZZZZZZ	1		
10:35	MA57387-ICV1	1	X	
10:36	MA57387-ICB1	1	X	
10:42	MA57387-CCV1	1	X	
10:43	MA57387-CCB1	1	X	
10:45	MA57387-CRI1	1	X	
10:46	MP51192-MB1	1	X	
10:48	MP51192-B1	1	X	
10:49	MP51192-S1	1	X	
10:51	MP51192-S2	1	X	
10:53	JE1246-1	1	X	(a)
10:55	ZZZZZZ	1		
10:56	ZZZZZZ	1		
10:58	ZZZZZZ	1		
10:59	MA57387-CCV2	1	X	
11:01	MA57387-CCB2	1	X	
11:02	ZZZZZZ	1		
11:04	ZZZZZZ	1		
11:06	ZZZZZZ	1		
11:07	ZZZZZZ	1		
11:09	ZZZZZZ	1		
11:10	ZZZZZZ	1		
11:12	ZZZZZZ	1		
11:13	ZZZZZZ	1		
11:15	MA57387-CCV3	1	X	
11:16	MA57387-CCB3	1	X	
11:18	ZZZZZZ	1		
11:20	ZZZZZZ	1		
11:21	ZZZZZZ	1		
11:23	ZZZZZZ	1		
11:24	ZZZZZZ	1		
11:26	ZZZZZZ	1		
11:27	ZZZZZZ	1		
		Element:	Hg	

REPORTED ELEMENTS SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H8112724S1.CSV Date Analyzed: 11/27/24 Methods: SW846 7471B
Analyst: MK Run ID: MA57387
Parameters: Hg

Time	Sample Description	Element: Dilution	Hg	
11:29	ZZZZZZ	1		
11:30	MA57387-CCV4	1	X	
11:32	MA57387-CCB4	1	X	
11:34	MP51193-MB1	1	X	
11:35	MP51193-B1	1	X	
11:37	MP51193-S1	1	X	
11:39	MP51193-S2	1	X	
11:40	JE1272-1	1	X	(a)
11:42	ZZZZZZ	1		
11:44	ZZZZZZ	1		
11:45	ZZZZZZ	1		
11:47	MA57387-CCV5	1	X	
11:49	MA57387-CCB5	1	X	
11:51	ZZZZZZ	1		
11:52	ZZZZZZ	1		
11:53	ZZZZZZ	1		
11:56	ZZZZZZ	1		
11:57	ZZZZZZ	1		
11:59	ZZZZZZ	1		
12:00	ZZZZZZ	1		
12:02	ZZZZZZ	1		
12:03	MA57387-CCV6	1	X	
12:05	MA57387-CCB6	1	X	
12:07	ZZZZZZ	1		
12:08	ZZZZZZ	1		
12:10	ZZZZZZ	1		
12:11	ZZZZZZ	1		
12:13	JE1300-33	1	X	
12:15	JE1300-35	1	X	
12:16	JE1300-37	1	X	
12:18	JE1300-39	1	X	
12:20	MA57387-CCV7	1	X	
12:22	MA57387-CCB7	1	X	
		Element:	Hg	

REPORTED ELEMENTS SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H8112724S1.CSV Date Analyzed: 11/27/24 Methods: SW846 7471B
Analyst: MK Run ID: MA57387
Parameters: Hg

Time	Sample Description	Element: Dilution	Hg
12:24	MP51194-MB1	1	X
12:25	MP51194-B1	1	X
12:26	MP51194-S1	1	X
12:28	MP51194-S2	1	X
12:30	JE1300-41	1	X
12:32	JE1300-43	1	X
12:34	ZZZZZZ	1	
12:36	ZZZZZZ	1	
12:40	MA57387-CCV8	1	X
12:42	MA57387-CCB8	1	X
12:43	ZZZZZZ	1	
12:45	ZZZZZZ	1	
12:47	ZZZZZZ	1	
12:49	ZZZZZZ	1	
12:51	ZZZZZZ	1	
12:52	ZZZZZZ	1	
12:54	ZZZZZZ	1	
12:55	ZZZZZZ	1	
12:57	MA57387-CCV9	1	X
12:59	MA57387-CCB9	1	X
13:01	ZZZZZZ	1	
13:02	ZZZZZZ	1	
13:04	ZZZZZZ	1	
13:06	ZZZZZZ	1	
13:08	ZZZZZZ	1	
13:09	ZZZZZZ	1	
13:11	ZZZZZZ	1	
13:13	ZZZZZZ	1	
13:15	ZZZZZZ	1	
13:17	MA57387-CCV10	1	X
13:20	MA57387-CCB10	1	X
13:22	MP51208-MB1	1	X
13:24	MP51208-B1	1	X
		Element:	Hg

REPORTED ELEMENTS SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H8112724S1.CSV Date Analyzed: 11/27/24 Methods: SW846 7471B
Analyst: MK Run ID: MA57387
Parameters: Hg

Time	Sample Description	Dilution	Element: Hg	
13:25	MP51208-S1	1		
13:27	MP51208-S2	1		
13:29	MP51208-D1	1		
13:31	MP51208-LC1	1		
13:33	JE1121-14	1	X	(a)
13:35	ZZZZZZ	1		
13:37	MA57387-CCV11	1	X	
13:39	MA57387-CCB11	1	X	
13:41	ZZZZZZ	1		
13:42	ZZZZZZ	1		
13:44	ZZZZZZ	1		
13:46	ZZZZZZ	1		
13:48	ZZZZZZ	1		
13:50	ZZZZZZ	1		
13:52	ZZZZZZ	1		
13:54	ZZZZZZ	1		
13:56	MA57387-CCV12	1	X	
13:58	MA57387-CCB12	1	X	
14:00	ZZZZZZ	1		
14:01	ZZZZZZ	1		
14:03	ZZZZZZ	1		
14:04	ZZZZZZ	1		
14:06	ZZZZZZ	1		
14:08	ZZZZZZ	1		
14:10	ZZZZZZ	1		
14:12	ZZZZZZ	1		
14:14	MA57387-CCV13	1	X	
14:16	MA57387-CCB13	1	X	
14:18	ZZZZZZ	1		
14:19	ZZZZZZ	1		
14:21	ZZZZZZ	1		
14:23	ZZZZZZ	1		
14:27	ZZZZZZ	2		
		Element:	Hg	

REPORTED ELEMENTS SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H8112724S1.CSV Date Analyzed: 11/27/24 Methods: SW846 7471B
Analyst: MK Run ID: MA57387
Parameters: Hg

Time	Sample Description	Element: Dilution	Hg
14:29	ZZZZZZ	50	
14:30	ZZZZZZ	5	
14:32	ZZZZZZ	50	
14:34	MA57387-CCV14	1	X
14:36	MA57387-CCB14	1	X
14:38	ZZZZZZ	50	
14:39	MP51194-PS1	1	X
14:41	ZZZZZZ	100	
14:45	MP51208-S1	2	X
14:47	MP51208-S2	2	X
14:49	MP51208-D1	2	X
14:51	ZZZZZZ	2	
14:52	ZZZZZZ	2	
14:54	MA57387-CCV15	1	X
14:56	MA57387-CCB15	1	X
14:58	ZZZZZZ	2	
14:59	ZZZZZZ	5	
15:01	ZZZZZZ	5	
15:03	ZZZZZZ	2	
15:05	ZZZZZZ	2	
15:07	ZZZZZZ	2	
15:09	ZZZZZZ	2	
15:10	MP51208-LC1	1	X
15:12	MA57387-CCV16	1	X
15:14	MA57387-CCB16	1	X

(a) Sample used for QC only; not part of login JE1300.

Element: Hg

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H8112724S1.CSV Date Analyzed: 11/27/24 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA57387 Units: ug/l

Time:			10:36		10:43		11:01		11:16	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.013	-0.0412	<0.20	0.00760	<0.20	-0.0377	<0.20	-0.0455	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H8112724S1.CSV Date Analyzed: 11/27/24 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA57387 Units: ug/l

Time:			11:32		11:49		12:05		12:22	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.013	-0.0336	<0.20	-0.0240	<0.20	-0.00950	<0.20	-0.0429	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H8112724S1.CSV Date Analyzed: 11/27/24 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA57387 Units: ug/l

Time:			12:42		12:59		13:20		13:39	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.013	-0.0274	<0.20	-0.00720	<0.20	-0.0515	<0.20	-0.0389	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H8112724S1.CSV Date Analyzed: 11/27/24 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA57387 Units: ug/l

Time:			13:58		14:16		14:36		14:56	
Sample ID:			CCB12		CCB13		CCB14		CCB15	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.013	-0.0276	<0.20	-0.0516	<0.20	-0.0387	<0.20	-0.0565	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H8112724S1.CSV Date Analyzed: 11/27/24 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA57387 Units: ug/l

Time:		10:35			10:42			10:59	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	3	3.12	104.0	2.5	2.33	93.2	2.5	2.38	95.2

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H8112724S1.CSV Date Analyzed: 11/27/24 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA57387 Units: ug/l

Time:		11:15			11:30			11:47	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.49	99.6	2.5	2.48	99.2	2.5	2.47	98.8

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H8112724S1.CSV Date Analyzed: 11/27/24 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA57387 Units: ug/l

Time:		12:03			12:20			12:40	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.47	98.8	2.5	2.27	90.8	2.5	2.49	99.6

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H8112724S1.CSV Date Analyzed: 11/27/24 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA57387 Units: ug/l

Time:		12:57			13:17			13:37	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.55	102.0	2.5	2.34	93.6	2.5	2.62	104.8

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H8112724S1.CSV Date Analyzed: 11/27/24 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA57387 Units: ug/l

Time:		13:56			14:14			14:34	
Sample ID:	CCV	CCV12		CCV	CCV13		CCV	CCV14	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.59	103.6	2.5	2.53	101.2	2.5	2.55	102.0

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H8112724S1.CSV Date Analyzed: 11/27/24 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA57387 Units: ug/l

Time:		14:54	
Sample ID:	CCV	CCV15	
Metal	True	Results	% Rec
Mercury	2.5	2.58	103.2

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H8112724S1.CSV Date Analyzed: 11/27/24 Methods: SW846 7471B
QC Limits: 70 to 130 % Recovery Run ID: MA57387 Units: ug/l

Time:			10:45	
Sample ID:	CRI	CRIA	CRI1	
Metal	True	True	Results	% Rec
Mercury	0.20		0.240	120.0

(*) Outside of QC limits
(anr) Analyte not requested

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57390
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:33	MA57390-STD1	1		STDA
10:38	MA57390-STD2	1		STDB
10:44	MA57390-ICV1	1		
10:49	MA57390-ICB1	1		
11:09	MA57390-ICCV1	1		
11:20	MA57390-CCB1	1		
11:25	MA57390-CRI1	1		
11:30	MA57390-CRID1	1		
11:35	MA57390-ICSA1	1		
11:41	MA57390-ICSAB1	1		
11:46	MA57390-HSTD1	1		
11:52	MA57390-HSTD2	1		
11:57	ZZZZZZ	1		
12:02	ZZZZZZ	1		
12:07	ZZZZZZ	1		
12:12	ZZZZZZ	1		
12:18	MA57390-CCV1	1		
12:23	MA57390-CCB2	1		
12:28	MA57390-CRI2	1		
12:33	MA57390-CRID2	1		
12:38	ZZZZZZ	1		
12:43	ZZZZZZ	1		
12:48	ZZZZZZ	1		
12:53	ZZZZZZ	1		
12:58	ZZZZZZ	1		
13:03	MA57390-CCV2	1		
13:08	MA57390-CCB3	1		
13:13	MP51142-MB1	1		
13:18	MP51142-LB1	1		
13:23	MP51142-B1	1		
13:28	MP51142-LS1	1		
13:33	MP51142-S1	1		
13:38	MP51142-S2	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57390
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:43	JE1062-1A	1		(sample used for QC only; not part of login JE1300)
13:48	MP51142-SD1	5		
13:53	ZZZZZZ	1		
13:58	MA57390-CCV3	1		
14:03	MA57390-CCB4	1		
14:08	MP51086-S2	1		
14:13	MA57390-CCV4	1		
14:18	MA57390-CCB5	1		
14:24	MP51156-MB1	1		
14:29	MP51156-B1	1		
14:34	MP51156-S1	1		
14:39	MP51156-S2	1		FE high
14:44	JE896-1R	1		(sample used for QC only; not part of login JE1300)
14:49	MP51156-SD1	5		
14:54	MP51156-PS1	1		
14:59	ZZZZZZ	1		
15:05	ZZZZZZ	1		
15:10	ZZZZZZ	1		
15:15	MA57390-CCV5	1		
15:20	MA57390-CCB6	1		
15:25	ZZZZZZ	1		
15:31	ZZZZZZ	1		
15:36	ZZZZZZ	1		
15:41	ZZZZZZ	1		
15:46	ZZZZZZ	1		
15:51	ZZZZZZ	1		
15:56	ZZZZZZ	1		
16:01	ZZZZZZ	1		
16:06	ZZZZZZ	1		
16:11	ZZZZZZ	1		
16:17	MA57390-CCV6	1		
16:22	MA57390-CCB7	1		
16:27	ZZZZZZ	5		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57390
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:32	ZZZZZZ	5		
16:37	ZZZZZZ	1		
16:42	ZZZZZZ	1		
16:47	MA57390-CCV7	1		
16:52	MA57390-CCB8	1		
16:57	MA57390-CRID3	1		
17:02	ZZZZZZ	1		
17:08	MA57390-CRID4	1		
17:13	MA57390-ICSA2	1		
17:18	MA57390-ICSAB2	1		
17:23	MA57390-CCV8	1		
17:28	MA57390-CCB9	1		
17:34	MA57390-CRI3	1		
17:38	MA57390-CRID5	1		
17:44	MP51152-MB1	1		
17:49	MP51152-B1	1		
17:54	ZZZZZZ	1		
17:59	ZZZZZZ	1		
18:04	ZZZZZZ	1		
18:09	ZZZZZZ	1		
18:14	ZZZZZZ	1		
18:19	ZZZZZZ	1		
18:24	MA57390-CCV9	1		
18:29	MA57390-CCB10	1		
18:34	MP51157-B1	1		
18:39	MP51157-MB1	1		
18:44	MP51157-S1	1		
18:49	MP51157-S2	1		
18:54	JE1243-1	1		(sample used for QC only; not part of login JE1300)
18:59	MP51157-SD1	5		
19:04	ZZZZZZ	1		
19:09	ZZZZZZ	1		
19:14	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57390
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:19	ZZZZZZ	1		
19:24	MA57390-CCV10	1		
19:29	MA57390-CCB11	1		
19:34	ZZZZZZ	1		
19:39	ZZZZZZ	1		
19:44	ZZZZZZ	1		
19:49	ZZZZZZ	1		
19:54	ZZZZZZ	1		
19:59	ZZZZZZ	1		
20:04	ZZZZZZ	1		
20:09	ZZZZZZ	1		
20:14	ZZZZZZ	1		
20:19	ZZZZZZ	1		
20:24	MA57390-CCV11	1		
20:29	MA57390-CCB12	1		
20:34	ZZZZZZ	1		
20:39	ZZZZZZ	1		
20:44	MP51157-PS1	1		
20:49	ZZZZZZ	1		
20:54	ZZZZZZ	1		
20:59	ZZZZZZ	1		
21:04	ZZZZZZ	1		
21:09	ZZZZZZ	1		
21:14	ZZZZZZ	1		
21:19	MP51152-S1	1		Ca, Na , S high
21:24	MA57390-CCV12	1		
21:29	MA57390-CCB13	1		
21:34	MP51152-S2	1		Ca, Na , S high
21:40	ZZZZZZ	1		
21:40	JE1082-31	1		(sample used for QC only; not part of login JE1300)
21:45	MP51152-SD1	5		Ca, Na , S high
21:50	ZZZZZZ	1		
21:55	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57390
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
22:00	ZZZZZZ	1		
22:05	ZZZZZZ	1		
22:10	ZZZZZZ	1		
22:15	ZZZZZZ	1		
22:20	ZZZZZZ	2		
22:25	MA57390-CCV13	1		
22:30	MA57390-CCB14	1		
22:35	ZZZZZZ	2		
22:40	ZZZZZZ	2		
22:46	ZZZZZZ	2		
22:51	ZZZZZZ	2		
22:56	MP51095-S1	2		
23:01	MP51095-S2	2		
23:06	JE1069-1	2		(sample used for QC only; not part of login JE1300)
23:10	MP51095-SD1	10		
23:15	ZZZZZZ	2		
23:20	MP50851-S1	2		
23:26	MA57390-CCV14	1		
23:31	MA57390-CCB15	1		
23:36	MP50851-S2	2		
23:41	MP50965-SD1	5		
23:46	ZZZZZZ	1		
23:51	ZZZZZZ	1		
23:56	ZZZZZZ	1		
00:01	ZZZZZZ	1		
00:05	ZZZZZZ	2		
00:11	ZZZZZZ	2		
00:16	ZZZZZZ	5		
00:21	MP51058-SD1	5		
00:26	MA57390-CCV15	1		
00:31	MA57390-CCB16	1		
00:36	MP51058-PS1	2		
00:41	ZZZZZZ	50		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57390
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
00:46	ZZZZZZ	5		
00:52	ZZZZZZ	10		
00:56	MP51147-B1	1		
01:01	MP51147-MB1	1		Cu>1/2 Rl
01:06	MP51147-B2	1		
01:11	MP51147-S1	1		rerun for Cu with the MB
01:17	MP51147-S2	1		rerun for Cu with the MB
01:22	JE1240-2	1		(sample used for QC only; not part of login JE1300)
01:27	MA57390-CCV16	1		
01:32	MA57390-CCB17	1		
01:37	MP51147-SD1	5		rerun for Cu with the MB
01:42	ZZZZZZ	1		
01:47	ZZZZZZ	1		
01:52	ZZZZZZ	1		
01:57	ZZZZZZ	1		
02:03	ZZZZZZ	1		
02:08	ZZZZZZ	1		
02:13	ZZZZZZ	1		
02:18	ZZZZZZ	1		
02:23	ZZZZZZ	1		
02:28	MA57390-CCV17	1		
02:33	MA57390-CCB18	1		
02:38	ZZZZZZ	1		
02:43	JE1300-51	1		
---------->	Last reportable sample/prep for job JE1300			
02:48	MP51151-B1	1		
02:53	MP51151-MB1	1		
02:58	MP51151-S1	1		
03:03	MP51151-S2	1		
03:08	JE1082-1	1		(sample used for QC only; not part of login JE1300)
03:13	MP51151-SD1	5		
03:18	ZZZZZZ	1		
03:23	ZZZZZZ	1		
03:27	MA57390-CCV18	1		

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Inorganics Analyses

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57390
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
03:32	MA57390-CCB19	1		
---------->	Last reportable CCB for job JE1300			
03:38	ZZZZZZ	1		
03:42	ZZZZZZ	1		
03:47	ZZZZZZ	1		
03:52	ZZZZZZ	1		
03:57	ZZZZZZ	1		
04:03	ZZZZZZ	1		
04:08	MP51155-B1	1		
04:13	MP51155-MB1	1		
04:18	MP51155-S1	1		
04:23	MP51155-S2	1		
04:28	MA57390-CCV19	1		
04:33	MA57390-CCB20	1		
04:38	JE1316-1	1		(sample used for QC only; not part of login JE1300)
04:43	MP51155-SD1	5		
04:48	ZZZZZZ	1		
04:53	ZZZZZZ	1		
04:58	ZZZZZZ	1		
05:03	ZZZZZZ	1		
05:08	ZZZZZZ	1		
05:12	ZZZZZZ	1		
05:17	MP51154-B1	1		
05:22	MP51154-MB1	1		
05:27	MA57390-CCV20	1		
05:32	MA57390-CCB21	1		
05:38	MP51154-S1	1		Ca, S high
05:43	MP51154-S2	1		Ca, S high
05:48	JE1263-1	1		(sample used for QC only; not part of login JE1300)
05:53	MP51154-SD1	5		Ca, S high
05:59	ZZZZZZ	1		
06:04	ZZZZZZ	1		
06:09	ZZZZZZ	1		
06:14	ZZZZZZ	1		

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File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57390
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
06:19	ZZZZZZ	1		
06:24	ZZZZZZ	1		
06:29	MA57390-CCV21	1		
06:34	MA57390-CCB22	1		
06:39	ZZZZZZ	1		
06:44	ZZZZZZ	1		
06:49	ZZZZZZ	1		
06:55	MA57390-CCV22	1		
06:59	MA57390-CCB23	1		
07:51	ZZZZZZ	1		
07:56	ZZZZZZ	1		
08:01	ZZZZZZ	1		

Refer to raw data for calibration curve and standards.

REPORTED ELEMENTS SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57390
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	
10:44	MA57390-ICV1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
10:49	MA57390-ICB1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
11:09	MA57390-ICCV1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
11:20	MA57390-CCB1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
11:25	MA57390-CRI1	1																							
11:30	MA57390-CRID1	1																							
11:35	MA57390-ICSA1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
11:41	MA57390-ICSAB1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
11:46	MA57390-HSTD1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
11:52	MA57390-HSTD2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
11:57	ZZZZZZ	1																							
12:02	ZZZZZZ	1																							
12:07	ZZZZZZ	1																							
12:12	ZZZZZZ	1																							
12:18	MA57390-CCV1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
12:23	MA57390-CCB2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
12:28	MA57390-CRI2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
12:33	MA57390-CRID2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
12:38	ZZZZZZ	1																							
12:43	ZZZZZZ	1																							
12:48	ZZZZZZ	1																							
12:53	ZZZZZZ	1																							
12:58	ZZZZZZ	1																							
13:03	MA57390-CCV2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
13:08	MA57390-CCB3	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
13:13	MP51142-MB1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
13:18	MP51142-LB1	1																							
13:23	MP51142-B1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
13:28	MP51142-LS1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
13:33	MP51142-S1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
13:38	MP51142-S2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
13:43	JE1062-1A	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	(a)
13:48	MP51142-SD1	5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
		Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	

REPORTED ELEMENTS SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57390
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	
13:53	ZZZZZZ	1																							
13:58	MA57390-CCV3	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14:03	MA57390-CCB4	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14:08	MP51086-S2	1																			X				
14:13	MA57390-CCV4	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14:18	MA57390-CCB5	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14:24	MP51156-MB1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14:29	MP51156-B1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14:34	MP51156-S1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14:39	MP51156-S2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14:44	JE896-1R	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	(a)
14:49	MP51156-SD1	5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14:54	MP51156-PS1	1		X		X						X				X									
14:59	ZZZZZZ	1																							
15:05	ZZZZZZ	1																							
15:10	ZZZZZZ	1																							
15:15	MA57390-CCV5	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
15:20	MA57390-CCB6	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
15:25	ZZZZZZ	1																							
15:31	ZZZZZZ	1																							
15:36	ZZZZZZ	1																							
15:41	ZZZZZZ	1																							
15:46	ZZZZZZ	1																							
15:51	ZZZZZZ	1																							
15:56	ZZZZZZ	1																							
16:01	ZZZZZZ	1																							
16:06	ZZZZZZ	1																							
16:11	ZZZZZZ	1																							
16:17	MA57390-CCV6	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
16:22	MA57390-CCB7	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
16:27	ZZZZZZ	5																							
16:32	ZZZZZZ	5																							
16:37	ZZZZZZ	1																							
		Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	

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Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57390
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	
16:42	ZZZZZZ	1																							
16:47	MA57390-CCV7	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
16:52	MA57390-CCB8	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
16:57	MA57390-CRID3	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
17:02	ZZZZZZ	1																							
17:08	MA57390-CRID4	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
17:13	MA57390-ICSA2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
17:18	MA57390-ICSAB2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
17:23	MA57390-CCV8	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
17:28	MA57390-CCB9	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
17:34	MA57390-CRI3	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
17:38	MA57390-CRID5	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
17:44	MP51152-MB1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	
17:49	MP51152-B1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	
17:54	ZZZZZZ	1																							
17:59	ZZZZZZ	1																							
18:04	ZZZZZZ	1																							
18:09	ZZZZZZ	1																							
18:14	ZZZZZZ	1																							
18:19	ZZZZZZ	1																							
18:24	MA57390-CCV9	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
18:29	MA57390-CCB10	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
18:34	MP51157-B1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
18:39	MP51157-MB1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
18:44	MP51157-S1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
18:49	MP51157-S2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
18:54	JE1243-1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	(a)
18:59	MP51157-SD1	5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
19:04	ZZZZZZ	1																							
19:09	ZZZZZZ	1																							
19:14	ZZZZZZ	1																							
19:19	ZZZZZZ	1																							
19:24	MA57390-CCV10	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
		Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	

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Login Number: JE1300
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Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57390
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	
19:29	MA57390-CCB11	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
19:34	ZZZZZZ	1																							
19:39	ZZZZZZ	1																							
19:44	ZZZZZZ	1																							
19:49	ZZZZZZ	1																							
19:54	ZZZZZZ	1																							
19:59	ZZZZZZ	1																							
20:04	ZZZZZZ	1																							
20:09	ZZZZZZ	1																							
20:14	ZZZZZZ	1																							
20:19	ZZZZZZ	1																							
20:24	MA57390-CCV11	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
20:29	MA57390-CCB12	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
20:34	ZZZZZZ	1																							
20:39	ZZZZZZ	1																							
20:44	MP51157-PS1	1		X																					
20:49	ZZZZZZ	1																							
20:54	ZZZZZZ	1																							
20:59	ZZZZZZ	1																							
21:04	ZZZZZZ	1																							
21:09	ZZZZZZ	1																							
21:14	ZZZZZZ	1																							
21:19	MP51152-S1	1	X			X	X			X	X	X	X		X	X	X	X	X	X			X	X	
21:24	MA57390-CCV12	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
21:29	MA57390-CCB13	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
21:34	MP51152-S2	1	X			X	X			X	X	X	X		X	X	X	X	X	X			X	X	
21:40	ZZZZZZ	1																							
21:40	JE1082-31	1	X			X	X			X	X	X	X		X	X	X	X	X	X			X	X	(a)
21:45	MP51152-SD1	5	X			X	X			X	X	X	X		X	X	X	X	X	X			X	X	
21:50	ZZZZZZ	1																							
21:55	ZZZZZZ	1																							
22:00	ZZZZZZ	1																							
22:05	ZZZZZZ	1																							
		Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	

REPORTED ELEMENTS SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57390
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	
22:10	ZZZZZZ	1																							
22:15	ZZZZZZ	1																							
22:20	ZZZZZZ	2																							
22:25	MA57390-CCV13	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
22:30	MA57390-CCB14	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
22:35	ZZZZZZ	2																							
22:40	ZZZZZZ	2																							
22:46	ZZZZZZ	2																							
22:51	ZZZZZZ	2																							
22:56	MP51095-S1	2																			X				
23:01	MP51095-S2	2																			X				
23:06	JE1069-1	2																			X				(a)
23:10	MP51095-SD1	10																			X				
23:15	ZZZZZZ	2																							
23:20	MP50851-S1	2								X															
23:26	MA57390-CCV14	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
23:31	MA57390-CCB15	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
23:36	MP50851-S2	2								X															
23:41	MP50965-SD1	5																			X				
23:46	ZZZZZZ	1																							
23:51	ZZZZZZ	1																							
23:56	ZZZZZZ	1																							
00:01	ZZZZZZ	1																							
00:05	ZZZZZZ	2																							
00:11	ZZZZZZ	2																							
00:16	ZZZZZZ	5																							
00:21	MP51058-SD1	5	X		X	X	X	X	X	X	X	X		X	X	X	X		X	X	X	X	X	X	
00:26	MA57390-CCV15	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
00:31	MA57390-CCB16	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
00:36	MP51058-PS1	2		X																					
00:41	ZZZZZZ	50																							
00:46	ZZZZZZ	5																							
00:52	ZZZZZZ	10																							
		Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	

REPORTED ELEMENTS SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57390
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	
00:56	MP51147-B1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
01:01	MP51147-MB1	1	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	
01:06	MP51147-B2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
01:11	MP51147-S1	1	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	
01:17	MP51147-S2	1	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	
01:22	JE1240-2	1		X	X		X	X		X				X			X		X	X		X		X	(a)
01:27	MA57390-CCV16	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
01:32	MA57390-CCB17	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
01:37	MP51147-SD1	5	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	
01:42	ZZZZZZ	1																							
01:47	ZZZZZZ	1																							
01:52	ZZZZZZ	1																							
01:57	ZZZZZZ	1																							
02:03	ZZZZZZ	1																							
02:08	ZZZZZZ	1																							
02:13	ZZZZZZ	1																							
02:18	ZZZZZZ	1																							
02:23	ZZZZZZ	1																							
02:28	MA57390-CCV17	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
02:33	MA57390-CCB18	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
02:38	ZZZZZZ	1																							
02:43	JE1300-51	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
02:48	MP51151-B1	1	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	
02:53	MP51151-MB1	1	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	
02:58	MP51151-S1	1	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	
03:03	MP51151-S2	1	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	
03:08	JE1082-1	1	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	(a)
03:13	MP51151-SD1	5	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	
03:18	ZZZZZZ	1																							
03:23	ZZZZZZ	1																							
03:27	MA57390-CCV18	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
03:32	MA57390-CCB19	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
03:38	ZZZZZZ	1																							
		Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	

REPORTED ELEMENTS SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57390
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	
03:42	ZZZZZZ	1																							
03:47	ZZZZZZ	1																							
03:52	ZZZZZZ	1																							
03:57	ZZZZZZ	1																							
04:03	ZZZZZZ	1																							
04:08	MP51155-B1	1	X							X		X	X	X		X								X	
04:13	MP51155-MB1	1	X							X		X	X	X		X								X	
04:18	MP51155-S1	1	X							X		X	X	X		X								X	
04:23	MP51155-S2	1	X							X		X	X	X		X								X	
04:28	MA57390-CCV19	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
04:33	MA57390-CCB20	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
04:38	JE1316-1	1	X							X			X	X										X	(a)
04:43	MP51155-SD1	5	X							X		X	X	X		X								X	
04:48	ZZZZZZ	1																							
04:53	ZZZZZZ	1																							
04:58	ZZZZZZ	1																							
05:03	ZZZZZZ	1																							
05:08	ZZZZZZ	1																							
05:12	ZZZZZZ	1																							
05:17	MP51154-B1	1	X		X		X	X		X		X	X	X		X	X		X	X		X	X	X	
05:22	MP51154-MB1	1	X		X		X	X		X		X	X	X		X	X		X	X		X	X	X	
05:27	MA57390-CCV20	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
05:32	MA57390-CCB21	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
05:38	MP51154-S1	1	X			X				X		X	X			X	X		X	X		X	X	X	
05:43	MP51154-S2	1	X			X				X		X	X			X	X		X	X		X	X	X	
05:48	JE1263-1	1	X			X				X		X	X			X	X		X	X		X	X	X	(a)
05:53	MP51154-SD1	5	X			X				X		X	X			X	X		X	X		X	X	X	
05:59	ZZZZZZ	1																							
06:04	ZZZZZZ	1																							
06:09	ZZZZZZ	1																							
06:14	ZZZZZZ	1																							
06:19	ZZZZZZ	1																							
06:24	ZZZZZZ	1																							
		Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	

REPORTED ELEMENTS SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57390
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn
06:29	MA57390-CCV21	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
06:34	MA57390-CCB22	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
06:39	ZZZZZZ	1																						
06:44	ZZZZZZ	1																						
06:49	ZZZZZZ	1																						
06:55	MA57390-CCV22	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
06:59	MA57390-CCB23	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
07:51	ZZZZZZ	1																						
07:56	ZZZZZZ	1																						
08:01	ZZZZZZ	1																						

(a) Sample used for QC only; not part of login JE1300.

Element: Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn

INTERNAL STANDARD SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57390
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:33	MA57390-STD1	7180 R	212270 R	24483 R	16683 R
10:38	MA57390-STD2	6819	200390	23548	15314
10:44	MA57390-ICV1	6955	204840	24136	15633
10:49	MA57390-ICB1	7201	214300	24330	16708
11:09	MA57390-ICCV1	6959	204680	24110	15636
11:20	MA57390-CCB1	7186	211790	24404	16665
11:25	MA57390-CRI1	No results reported for the elements associated with this internal standard.			
11:30	MA57390-CRID1	No results reported for the elements associated with this internal standard.			
11:35	MA57390-ICSA1	6478	185270	23411	14449
11:41	MA57390-ICSAB1	6499	184350	23574	14499
11:46	MA57390-HSTD1	7141	208140	24517	16542
11:52	MA57390-HSTD2	6505	188010	23363	14425
11:57	ZZZZZZ	7158	212590	24414	17051
12:02	ZZZZZZ	7364	198700	24861	15562
12:07	ZZZZZZ	6717	198930	23874	14997
12:12	ZZZZZZ	7238	214790	24511	16660
12:18	MA57390-CCV1	7003	204880	24134	15663
12:23	MA57390-CCB2	7223	215100	24561	16688
12:28	MA57390-CRI2	7186	212140	24534	16469
12:33	MA57390-CRID2	7219	215820	24492	16640
12:38	ZZZZZZ	7165	211140	23038	16809
12:43	ZZZZZZ	7128	210540	24302	16751
12:48	ZZZZZZ	7115	210690	24211	16714
12:53	ZZZZZZ	7239	215660	24809	16737
12:58	ZZZZZZ	7229	216650	24634	16750
13:03	MA57390-CCV2	6983	207910	24345	15665
13:08	MA57390-CCB3	7218	215850	24508	16714
13:13	MP51142-MB1	7198	217660	25023	16678
13:18	MP51142-LB1	7250	217210	24879	16779
13:23	MP51142-B1	7029	210300	24505	15883
13:28	MP51142-LS1	7031	207140	24328	15880
13:33	MP51142-S1	7040	207340	24596	15880
13:38	MP51142-S2	7043	206700	24707	15879

INTERNAL STANDARD SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57390
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:43	JE1062-1A	7266	217390	24758	16590
13:48	MP51142-SD1	7238	216770	24653	16717
13:53	ZZZZZZ	7252	216390	24824	16494
13:58	MA57390-CCV3	6991	205620	24242	15702
14:03	MA57390-CCB4	7226	215950	24503	16748
14:08	MP51086-S2	6946	204440	24541	15461
14:13	MA57390-CCV4	6990	207580	24269	15693
14:18	MA57390-CCB5	7231	216970	24727	16767
14:24	MP51156-MB1	7259	219850	24981	16799
14:29	MP51156-B1	7079	211320	24809	16056
14:34	MP51156-S1	7145	212830	25467	16158
14:39	MP51156-S2	7124	209480	25546	16377
14:44	JE896-1R	7268	217420	25520	16676
14:49	MP51156-SD1	7281	217980	25147	16663
14:54	MP51156-PS1	7124	214880	25347	16325
14:59	ZZZZZZ	7035	209480	25716	18204
15:05	ZZZZZZ	7205	216600	25899	17325
15:10	ZZZZZZ	7185	216110	25827	17195
15:15	MA57390-CCV5	6992	208930	24290	15765
15:20	MA57390-CCB6	7218	218690	24876	16814
15:25	ZZZZZZ	7255	218480	25739	16746
15:31	ZZZZZZ	7372	229820	26163	16581
15:36	ZZZZZZ	7360	222240	26016	16635
15:41	ZZZZZZ	7291	221700	25846	16806
15:46	ZZZZZZ	7332	219220	25649	16613
15:51	ZZZZZZ	7300	218970	25566	16639
15:56	ZZZZZZ	7163	219840	25478	16562
16:01	ZZZZZZ	7272	219730	26007	16955
16:06	ZZZZZZ	7373	220830	25577	16649
16:11	ZZZZZZ	7209	215860	25756	17175
16:17	MA57390-CCV6	6961	209420	24118	15755
16:22	MA57390-CCB7	7177	218920	24733	16772
16:27	ZZZZZZ	7127	216500	24817	16896

INTERNAL STANDARD SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57390
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:32	ZZZZZZ	7195	217960	24767	16748
16:37	ZZZZZZ	7134	220420	24222	16787
16:42	ZZZZZZ	7113	218680	24301	16757
16:47	MA57390-CCV7	6948	210130	24142	15751
16:52	MA57390-CCB8	7172	218720	24438	16790
16:57	MA57390-CRID3	7148	218370	24416	16696
17:02	ZZZZZZ	7108	217360	24311	16531
17:08	MA57390-CRID4	7126	219230	24392	16685
17:13	MA57390-ICSA2	6444	191850	23393	14555
17:18	MA57390-ICSAB2	6440	191750	23340	14592
17:23	MA57390-CCV8	6926	210110	23927	15724
17:28	MA57390-CCB9	7156	219020	24269	16781
17:34	MA57390-CRI3	7069	218250	24114	16487
17:38	MA57390-CRID5	7159	217880	24255	16720
17:44	MP51152-MB1	7099	213540	24137	16793
17:49	MP51152-B1	6914	206270	23756	15860
17:54	ZZZZZZ	6764	205510	23825	15433
17:59	ZZZZZZ	6808	207610	23904	15648
18:04	ZZZZZZ	7172	218320	24307	16727
18:09	ZZZZZZ	7146	219150	24123	16841
18:14	ZZZZZZ	7151	220680	24147	16726
18:19	ZZZZZZ	7124	217860	24081	16626
18:24	MA57390-CCV9	6907	207210	23601	15678
18:29	MA57390-CCB10	7103	216850	24114	16681
18:34	MP51157-B1	7034	211040	24054	16089
18:39	MP51157-MB1	7164	216250	24268	16727
18:44	MP51157-S1	7123	210260	24285	16113
18:49	MP51157-S2	7165	201590	25270	16103
18:54	JE1243-1	7384	202890	26603	16853
18:59	MP51157-SD1	7305	215000	25452	16844
19:04	ZZZZZZ	7245	222010	24377	16577
19:09	ZZZZZZ	7246	223780	24563	16659
19:14	ZZZZZZ	7119	221700	24197	16412

INTERNAL STANDARD SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57390
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
19:19	ZZZZZZ	7164	221040	24310	16484
19:24	MA57390-CCV10	6889	211600	23630	15676
19:29	MA57390-CCB11	7086	221000	23898	16666
19:34	ZZZZZZ	7171	216020	24336	16363
19:39	ZZZZZZ	7251	217470	24315	16581
19:44	ZZZZZZ	7343	210660	25540	16746
19:49	ZZZZZZ	7254	206060	26415	16150
19:54	ZZZZZZ	7278	217430	25558	16764
19:59	ZZZZZZ	7134	219320	24239	16541
20:04	ZZZZZZ	7073	222450	24009	16399
20:09	ZZZZZZ	7136	220870	24178	16449
20:14	ZZZZZZ	7280	221420	24926	16330
20:19	ZZZZZZ	7152	217710	24133	16443
20:24	MA57390-CCV11	6927	207520	23950	15692
20:29	MA57390-CCB12	7214	206280	25672	16856
20:34	ZZZZZZ	7424	219500	26452	16800
20:39	ZZZZZZ	7318	227200	25015	16500
20:44	MP51157-PS1	6942	215020	23676	15970
20:49	ZZZZZZ	7093	221350	23801	16489
20:54	ZZZZZZ	7101	219280	23726	16479
20:59	ZZZZZZ	7123	217140	23830	16541
21:04	ZZZZZZ	7205	213010	24855	16583
21:09	ZZZZZZ	7162	206750	25569	16527
21:14	ZZZZZZ	7100	215380	24458	16264
21:19	MP51152-S1	6140	189240	22688	13910
21:24	MA57390-CCV12	6719	208950	22520	15391
21:29	MA57390-CCB13	7019	215870	22844	16514
21:34	MP51152-S2	6100	186750	22642	13798
21:40	ZZZZZZ	No results reported for the elements associated with this internal standard.			
21:40	JE1082-31	6248	178050	23258	14019
21:45	MP51152-SD1	6689	197660	23815	15368
21:50	ZZZZZZ	6340	196210	22415	14496
21:55	ZZZZZZ	6682	208110	22234	15582

INTERNAL STANDARD SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57390
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
22:00	ZZZZZZ	6712	206700	22102	15733
22:05	ZZZZZZ	6731	205770	22185	15479
22:10	ZZZZZZ	6682	196010	22869	14956
22:15	ZZZZZZ	6717	192230	24005	15066
22:20	ZZZZZZ	6851	206480	23793	15601
22:25	MA57390-CCV13	6774	212690	22683	15525
22:30	MA57390-CCB14	6974	219710	22835	16476
22:35	ZZZZZZ	6811	208350	22596	15496
22:40	ZZZZZZ	6890	204980	23359	15582
22:46	ZZZZZZ	6906	200050	24509	15679
22:51	ZZZZZZ	6832	207110	23634	15549
22:56	MP51095-S1	6688	206940	22762	15156
23:01	MP51095-S2	6714	208400	22462	15176
23:06	JE1069-1	6897	212200	22954	15590
23:10	MP51095-SD1	7110	206590	23965	16414
23:15	ZZZZZZ	6899	202450	24040	15671
23:20	MP50851-S1	6878	211980	23467	15622
23:26	MA57390-CCV14	6743	209950	22103	15438
23:31	MA57390-CCB15	7058	220030	22658	16607
23:36	MP50851-S2	7039	205440	24313	15766
23:41	MP50965-SD1	7147	210110	24374	16503
23:46	ZZZZZZ	6975	213050	23532	16066
23:51	ZZZZZZ	6908	214450	22487	16595
23:56	ZZZZZZ	7130	216810	22688	16320
00:01	ZZZZZZ	7259	207240	24001	16485
00:05	ZZZZZZ	6502	193430	23497	16963
00:11	ZZZZZZ	6677	209660	22785	17373
00:16	ZZZZZZ	6650	209760	22284	15549
00:21	MP51058-SD1	7060	216660	22979	16424
00:26	MA57390-CCV15	6924	199760	23416	15714
00:31	MA57390-CCB16	7032	215170	23724	16613
00:36	MP51058-PS1	6763	212240	22725	15900
00:41	ZZZZZZ	6906	222140	22281	16393

INTERNAL STANDARD SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57390
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
00:46	ZZZZZZ	6893	210130	22891	16760
00:52	ZZZZZZ	7080	205110	24080	16648
00:56	MP51147-B1	6880	207630	23539	15824
01:01	MP51147-MB1	6945	221400	22495	16428
01:06	MP51147-B2	6776	214530	22132	15673
01:11	MP51147-S1	6778	208330	22493	15360
01:17	MP51147-S2	6848	214920	23635	15489
01:22	JE1240-2	6815	208230	23179	15765
01:27	MA57390-CCV16	6705	210900	22014	15433
01:32	MA57390-CCB17	7003	219550	22103	16542
01:37	MP51147-SD1	7046	212460	22963	16440
01:42	ZZZZZZ	5118	146120 !a	21442	11207 !a
01:47	ZZZZZZ	5138	147870 !	19869	11199 !
01:52	ZZZZZZ	5143	155650	19635	11251 !
01:57	ZZZZZZ	4947 !	153930	19530	10801 !
02:03	ZZZZZZ	6977	207770	23085	16073
02:08	ZZZZZZ	6806	202680	22890	15859
02:13	ZZZZZZ	6726	210880	21914	15667
02:18	ZZZZZZ	6754	214450	21661	15857
02:23	ZZZZZZ	6549	200190	20908	15151
02:28	MA57390-CCV17	6694	193010	21852	15298
02:33	MA57390-CCB18	6831	212010	22186	16207
02:38	ZZZZZZ	6849	219720	21188	16251
02:43	JE1300-51	6977	220250	21145	16470
02:48	MP51151-B1	6775	201610	21663	15662
02:53	MP51151-MB1	6877	204980	22329	16446
02:58	MP51151-S1	6534	201630	21293	15004
03:03	MP51151-S2	6491	204000	20543	14884
03:08	JE1082-1	6709	206110	20994	15372
03:13	MP51151-SD1	7054	206760	22620	16374
03:18	ZZZZZZ	6608	198640	21797	15214
03:23	ZZZZZZ	6536	202760	20732	15053
03:27	MA57390-CCV18	6672	207270	20386	15310

INTERNAL STANDARD SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57390
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
03:32	MA57390-CCB19	7003	212000	21542	16451
03:38	ZZZZZZ	6715	195780	22213	15330
03:42	ZZZZZZ	6751	207820	21441	15818
03:47	ZZZZZZ	6611	209420	20453	15542
03:52	ZZZZZZ	6582	203410	20314	15024
03:57	ZZZZZZ	6437	186590	21181	14487
04:03	ZZZZZZ	6607	193750	21547	15174
04:08	MP51155-B1	6591	205770	20634	15441
04:13	MP51155-MB1	6794	216770	20247	16315
04:18	MP51155-S1	6709	202970	21008	15506
04:23	MP51155-S2	6706	195930	21956	15527
04:28	MA57390-CCV19	6652	203220	20942	15295
04:33	MA57390-CCB20	6808	218670	20634	16188
04:38	JE1316-1	6852	214900	20801	16282
04:43	MP51155-SD1	7071	209700	21946	16625
04:48	ZZZZZZ	6647	207040	21388	15927
04:53	ZZZZZZ	6667	213020	20463	15905
04:58	ZZZZZZ	6860	215140	20244	16278
05:03	ZZZZZZ	6913	210570	21104	16408
05:08	ZZZZZZ	6807	202390	21854	16104
05:12	ZZZZZZ	6759	213980	20934	16204
05:17	MP51154-B1	6626	209080	20222	15452
05:22	MP51154-MB1	6884	212910	20952	16424
05:27	MA57390-CCV20	6816	200530	22146	15569
05:32	MA57390-CCB21	6947	216240	21403	16457
05:38	MP51154-S1	5697	176350	18995	12748
05:43	MP51154-S2	5808	174290	19428	12882
05:48	JE1263-1	5851	166470	20391	12839
05:53	MP51154-SD1	6524	194370	21452	14665
05:59	ZZZZZZ	6773	215030	20853	15677
06:04	ZZZZZZ	6768	214800	20383	15714
06:09	ZZZZZZ	6308	187550	20658	13896
06:14	ZZZZZZ	6629	195000	21959	15006

INTERNAL STANDARD SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57390
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
06:19	ZZZZZZ	6849	214930	21312	15989
06:24	ZZZZZZ	6525	205400	20215	15045
06:29	MA57390-CCV21	6794	211440	20563	15516
06:34	MA57390-CCB22	7059	209260	21803	16593
06:39	ZZZZZZ	6598	198090	21385	14973
06:44	ZZZZZZ	6468	202070	20199	14681
06:49	ZZZZZZ	6876	215460	20391	16100
06:55	MA57390-CCV22	6787	202260	20926	15460
06:59	MA57390-CCB23	6974	207590	21885	16502
07:51	ZZZZZZ	8049	251130	25416	19170
07:56	ZZZZZZ	8007	260770	24092	19067
08:01	ZZZZZZ	7998	258420	23839	19009

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %
Istd#2	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %
Istd#4	Indium	70-130 %

(a) No samples reported for the elements associated with this internal standard.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57390 Units: ug/l

Time:			10:49		11:20		12:23		13:08	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	27	3.90	<200	2.60	<200	-7.00	<200	-3.60	<200
Antimony	6.0	2.2	-0.300	<6.0	1.80	<6.0	1.60	<6.0	1.80	<6.0
Arsenic	3.0	1.3	0.200	<3.0	0.100	<3.0	-0.100	<3.0	-0.500	<3.0
Barium	200	1	0.300	<200	0.00	<200	0.300	<200	0.300	<200
Beryllium	1.0	.2	0.100	<1.0	-0.100	<1.0	0.100	<1.0	0.00	<1.0
Bismuth	20	2.1								
Boron	100	1								
Cadmium	3.0	.2	0.00	<3.0	-0.100	<3.0	0.100	<3.0	0.300	<3.0
Calcium	5000	7.7	-0.900	<5000	-5.20	<5000	-0.500	<5000	-0.200	<5000
Cerium	100									
Chromium	10	.5	0.00	<10	0.00	<10	-0.200	<10	0.100	<10
Cobalt	50	.4	0.200	<50	0.100	<50	-0.200	<50	0.00	<50
Copper	10	6.8	0.00	<10	0.400	<10	0.00	<10	0.100	<10
Iron	100	15	2.80	<100	2.10	<100	5.80	<100	2.00	<100
Lead	3.0	1.6	0.00	<3.0	0.500	<3.0	0.400	<3.0	0.800	<3.0
Lithium	50	3.7	anr							
Magnesium	5000	54	30.4	<5000	7.60	<5000	6.10	<5000	-9.30	<5000
Manganese	15	.1	0.100	<15	0.00	<15	0.100	<15	0.100	<15
Molybdenum	20	.5								
Nickel	10	.3	0.00	<10	0.600	<10	0.700	<10	0.700	<10
Phosphorus	50	1.8								
Potassium	10000	77	100	<10000	149	<10000	101	<10000	94.7	<10000
Selenium	10	2	-0.500	<10	0.100	<10	1.00	<10	-1.50	<10
Silicon	200	1.3								
Silver	10	.9	0.200	<10	0.400	<10	0.100	<10	0.00	<10
Sodium	10000	23	5.50	<10000	10.7	<10000	4.70	<10000	16.2	<10000
Strontium	10	.4								
Sulfur	50	4.1								
Thallium	10	1.6	0.800	<10	0.100	<10	0.600	<10	-2.40	<10
Tin	10	.9								
Titanium	10	.9								
Tungsten	50	2								
Vanadium	50	.8	0.100	<50	0.300	<50	0.300	<50	0.100	<50

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57390 Units: ug/l

Time:			10:49		11:20		12:23		13:08	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.2	-0.900	<20	-0.900	<20	-0.900	<20	-0.800	<20
Zirconium	10	.5								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57390 Units: ug/l

Time: / Sample ID:			14:03 CCB4		14:18 CCB5		15:20 CCB6		16:22 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	27	-2.70	<200	-3.50	<200	4.90	<200	-0.500	<200
Antimony	6.0	2.2	0.300	<100	1.10	<6.0	1.20	<6.0	0.500	<6.0
Arsenic	3.0	1.3	0.500	<100	1.20	<3.0	1.90	<3.0	1.00	<3.0
Barium	200	1	0.300	<200	-0.100	<200	0.100	<200	0.100	<200
Beryllium	1.0	.2	0.100	<2.0	0.100	<1.0	0.00	<1.0	0.00	<1.0
Bismuth	20	2.1								
Boron	100	1								
Cadmium	3.0	.2	0.200	<4.0	0.300	<3.0	0.100	<3.0	0.300	<3.0
Calcium	5000	7.7	-0.200	<5000	0.800	<5000	0.400	<5000	1.10	<5000
Cerium	100									
Chromium	10	.5	-0.200	<10	0.00	<10	-0.100	<10	0.00	<10
Cobalt	50	.4	0.00	<50	0.200	<50	0.200	<50	0.200	<50
Copper	10	6.8	0.200	<10	0.100	<10	-0.100	<10	0.400	<10
Iron	100	15	4.80	<100	4.80	<100	12.2	<100	10.4	<100
Lead	3.0	1.6	0.600	<100	1.30	<3.0	0.200	<3.0	0.900	<3.0
Lithium	50	3.7	anr							
Magnesium	5000	54	34.3	<5000	-0.800	<5000	11.4	<5000	17.2	<5000
Manganese	15	.1	0.00	<15	0.100	<15	0.200	<15	0.100	<15
Molybdenum	20	.5								
Nickel	10	.3	0.00	<10	0.500	<10	0.500	<10	0.200	<10
Phosphorus	50	1.8								
Potassium	10000	77	70.4	<10000	109	<10000	132	<10000	135	<10000
Selenium	10	2	0.200	<100	-0.600	<10	0.700	<10	1.50	<10
Silicon	200	1.3								
Silver	10	.9	0.200	<10	0.00	<10	0.300	<10	0.300	<10
Sodium	10000	23	-1.40	<10000	16.9	<10000	-10.4	<10000	-5.00	<10000
Strontium	10	.4								
Sulfur	50	4.1								
Thallium	10	1.6	0.400	<100	0.400	<10	-0.600	<10	-0.600	<10
Tin	10	.9								
Titanium	10	.9								
Tungsten	50	2								
Vanadium	50	.8	0.00	<50	0.300	<50	0.900	<50	0.400	<50

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57390 Units: ug/l

Time:			14:03		14:18		15:20		16:22	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.2	-0.800	<20	-0.800	<20	-0.700	<20	-0.600	<20
Zirconium	10	.5								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57390 Units: ug/l

Time: / Sample ID:			16:52 CCB8		17:28 CCB9		18:29 CCB10		19:29 CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	27	-1.00	<200	-8.30	<200	-3.40	<200	-5.20	<200
Antimony	6.0	2.2	0.200	<6.0	0.500	<6.0	0.600	<6.0	0.100	<6.0
Arsenic	3.0	1.3	0.400	<3.0	1.00	<3.0	-0.100	<3.0	-0.300	<3.0
Barium	200	1	-0.100	<200	0.300	<200	0.200	<200	0.100	<200
Beryllium	1.0	.2	0.100	<1.0	0.100	<1.0	0.100	<1.0	0.200	<1.0
Bismuth	20	2.1								
Boron	100	1								
Cadmium	3.0	.2	0.00	<3.0	0.200	<3.0	0.200	<3.0	0.200	<3.0
Calcium	5000	7.7	1.20	<5000	3.10	<5000	0.400	<5000	0.300	<5000
Cerium	100									
Chromium	10	.5	0.200	<10	0.00	<10	0.00	<10	0.00	<10
Cobalt	50	.4	0.200	<50	0.100	<50	0.00	<50	0.200	<50
Copper	10	6.8	0.500	<10	0.300	<10	0.200	<10	-0.200	<10
Iron	100	15	7.30	<100	7.90	<100	6.30	<100	6.90	<100
Lead	3.0	1.6	-0.200	<3.0	-0.300	<3.0	0.600	<3.0	0.400	<3.0
Lithium	50	3.7	anr							
Magnesium	5000	54	25.1	<5000	29.7	<5000	16.1	<5000	0.800	<5000
Manganese	15	.1	0.100	<15	0.100	<15	0.100	<15	0.100	<15
Molybdenum	20	.5								
Nickel	10	.3	0.00	<10	0.100	<10	0.100	<10	0.200	<10
Phosphorus	50	1.8								
Potassium	10000	77	95.3	<10000	78.1	<10000	69.7	<10000	124	<10000
Selenium	10	2	0.500	<10	-0.200	<10	0.400	<10	0.00	<10
Silicon	200	1.3								
Silver	10	.9	0.100	<10	-0.200	<10	0.300	<10	0.200	<10
Sodium	10000	23	-10.3	<10000	-13.8	<10000	-35.2	<10000	-26.6	<10000
Strontium	10	.4								
Sulfur	50	4.1								
Thallium	10	1.6	-0.400	<10	-0.700	<10	0.800	<10	0.00	<10
Tin	10	.9								
Titanium	10	.9								
Tungsten	50	2								
Vanadium	50	.8	0.500	<50	0.400	<50	0.100	<50	0.100	<50

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57390 Units: ug/l

Time: / Sample ID:			16:52 CCB8		17:28 CCB9		18:29 CCB10		19:29 CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.2	-0.700	<20	-0.800	<20	-0.800	<20	-0.700	<20
Zirconium	10	.5								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57390 Units: ug/l

Time: / Sample ID:			20:29 CCB12		21:29 CCB13		22:30 CCB14		23:31 CCB15	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	27	-15.1	<200	9.80	<200	20.7	<200	1.00	<200
Antimony	6.0	2.2	0.700	<6.0	1.20	<6.0	-0.500	<6.0	1.30	<6.0
Arsenic	3.0	1.3	1.00	<3.0	-0.200	<3.0	1.20	<3.0	0.00	<3.0
Barium	200	1	-0.400	<200	0.600	<200	0.700	<200	0.700	<200
Beryllium	1.0	.2	0.200	<1.0	0.200	<1.0	0.200	<1.0	0.200	<1.0
Bismuth	20	2.1								
Boron	100	1								
Cadmium	3.0	.2	0.400	<3.0	0.200	<3.0	0.200	<3.0	0.00	<3.0
Calcium	5000	7.7	-1.10	<5000	4.60	<5000	7.20	<5000	9.50	<5000
Cerium	100									
Chromium	10	.5	0.200	<10	-0.100	<10	0.100	<10	0.200	<10
Cobalt	50	.4	0.200	<50	0.100	<50	0.100	<50	0.300	<50
Copper	10	6.8	4.40	<10	-0.100	<10	-0.400	<10	-0.500	<10
Iron	100	15	9.00	<100	9.60	<100	8.00	<100	9.80	<100
Lead	3.0	1.6	0.400	<3.0	0.500	<3.0	0.500	<3.0	0.700	<3.0
Lithium	50	3.7	anr							
Magnesium	5000	54	22.0	<5000	11.3	<5000	8.40	<5000	2.30	<5000
Manganese	15	.1	0.200	<15	0.200	<15	0.200	<15	0.200	<15
Molybdenum	20	.5								
Nickel	10	.3	0.100	<10	0.700	<10	0.100	<10	0.300	<10
Phosphorus	50	1.8								
Potassium	10000	77	49.4	<10000	199	<10000	198	<10000	166	<10000
Selenium	10	2	1.80	<10	2.20	<10	-0.200	<10	1.10	<10
Silicon	200	1.3								
Silver	10	.9	-0.300	<10	0.300	<10	0.600	<10	0.500	<10
Sodium	10000	23	5.20	<10000	17.2	<10000	51.3	<10000	29.5	<10000
Strontium	10	.4								
Sulfur	50	4.1								
Thallium	10	1.6	-0.500	<10	-1.20	<10	-0.200	<10	-0.200	<10
Tin	10	.9								
Titanium	10	.9								
Tungsten	50	2								
Vanadium	50	.8	0.300	<50	0.500	<50	0.300	<50	0.300	<50

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57390 Units: ug/l

Time:			20:29		21:29		22:30		23:31	
Sample ID:			CCB12		CCB13		CCB14		CCB15	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.2	-0.700	<20	-0.700	<20	-0.600	<20	-0.600	<20
Zirconium	10	.5								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57390 Units: ug/l

Time: / Sample ID:			00:31 CCB16		01:32 CCB17		02:33 CCB18		03:32 CCB19	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	27	-7.10	<200	4.40	<200	-7.00	<200	7.30	<200
Antimony	6.0	2.2	1.00	<6.0	0.100	<6.0	0.700	<6.0	0.800	<6.0
Arsenic	3.0	1.3	0.700	<3.0	-0.100	<3.0	0.600	<3.0	0.600	<3.0
Barium	200	1	0.200	<200	1.10	<200	0.800	<200	0.700	<200
Beryllium	1.0	.2	0.200	<1.0	0.300	<1.0	0.300	<1.0	0.200	<1.0
Bismuth	20	2.1								
Boron	100	1								
Cadmium	3.0	.2	0.200	<3.0	0.300	<3.0	0.400	<3.0	0.300	<3.0
Calcium	5000	7.7	3.90	<5000	7.90	<5000	5.00	<5000	4.60	<5000
Cerium	100									
Chromium	10	.5	0.100	<10	0.300	<10	0.100	<10	0.100	<10
Cobalt	50	.4	0.100	<50	0.100	<50	0.300	<50	0.200	<50
Copper	10	6.8	1.40	<10	-0.300	<10	1.00	<10	0.600	<10
Iron	100	15	10.6	<100	11.4	<100	9.50	<100	12.4	<100
Lead	3.0	1.6	1.40	<3.0	0.700	<3.0	0.600	<3.0	1.10	<3.0
Lithium	50	3.7	anr							
Magnesium	5000	54	6.60	<5000	5.80	<5000	16.7	<5000	4.60	<5000
Manganese	15	.1	0.300	<15	0.300	<15	0.300	<15	0.300	<15
Molybdenum	20	.5								
Nickel	10	.3	0.300	<10	0.300	<10	0.900	<10	0.900	<10
Phosphorus	50	1.8								
Potassium	10000	77	58.9	<10000	151	<10000	355	<10000	305	<10000
Selenium	10	2	0.100	<10	3.00	<10	-0.900	<10	1.40	<10
Silicon	200	1.3								
Silver	10	.9	0.400	<10	0.400	<10	0.300	<10	0.900	<10
Sodium	10000	23	30.6	<10000	-1.40	<10000	1050	<10000	653	<10000
Strontium	10	.4								
Sulfur	50	4.1								
Thallium	10	1.6	0.800	<10	-0.400	<10	-1.00	<10	0.800	<10
Tin	10	.9								
Titanium	10	.9								
Tungsten	50	2								
Vanadium	50	.8	0.500	<50	0.400	<50	0.400	<50	0.500	<50

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57390 Units: ug/l

Time:			00:31		01:32		02:33		03:32	
Sample ID:			CCB16		CCB17		CCB18		CCB19	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.2	-0.700	<20	-0.600	<20	-0.600	<20	-0.600	<20
Zirconium	10	.5								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: to % Recovery Run ID: MA57390 Units: ug/l

Time:		11:09	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Aluminum	40000	39400	98.5
Antimony	2000	1970	98.5
Arsenic	2000	1960	98.0
Barium	2000	1970	98.5
Beryllium	2000	1980	99.0
Bismuth			
Boron			
Cadmium	2000	1990	99.5
Calcium	40000	39900	99.8
Cerium			
Chromium	2000	2010	100.5
Cobalt	2000	2020	101.0
Copper	2000	2000	100.0
Iron	40000	39800	99.5
Lead	2000	2010	100.5
Lithium	anr		
Magnesium	40000	39800	99.5
Manganese	2000	2030	101.5
Molybdenum			
Nickel	2000	2020	101.0
Phosphorus			
Potassium	40000	39700	99.3
Selenium	2000	2000	100.0
Silicon			
Silver	250	243	97.2
Sodium	40000	40000	100.0
Strontium			
Sulfur			
Thallium	2000	2050	102.5
Tin			
Titanium			
Tungsten			
Vanadium	2000	2000	100.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: to % Recovery Run ID: MA57390 Units: ug/l

Time:		11:09	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Zinc	2000	2020	101.0
Zirconium			

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57390 Units: ug/l

Time:		10:44			12:18			13:03	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39800	99.5	40000	39300	98.3	40000	39400	98.5
Antimony	2000	2100	105.0	2000	1970	98.5	2000	1980	99.0
Arsenic	2000	2030	101.5	2000	1970	98.5	2000	1970	98.5
Barium	2000	1990	99.5	2000	1980	99.0	2000	1980	99.0
Beryllium	2000	2010	100.5	2000	1980	99.0	2000	1980	99.0
Bismuth									
Boron									
Cadmium	2000	1970	98.5	2000	1990	99.5	2000	1990	99.5
Calcium	40000	40100	100.3	40000	39600	99.0	40000	39800	99.5
Cerium									
Chromium	2000	2000	100.0	2000	2020	101.0	2000	1990	99.5
Cobalt	2000	1980	99.0	2000	2020	101.0	2000	2020	101.0
Copper	2000	2010	100.5	2000	2010	100.5	2000	1980	99.0
Iron	40000	39700	99.3	40000	39800	99.5	40000	39700	99.3
Lead	2000	1990	99.5	2000	2020	101.0	2000	2020	101.0
Lithium	anr								
Magnesium	40000	39700	99.3	40000	39900	99.8	40000	39700	99.3
Manganese	2000	2030	101.5	2000	2030	101.5	2000	1990	99.5
Molybdenum									
Nickel	2000	1980	99.0	2000	2040	102.0	2000	2030	101.5
Phosphorus									
Potassium	40000	40000	100.0	40000	40000	100.0	40000	39700	99.3
Selenium	2000	1980	99.0	2000	2000	100.0	2000	2010	100.5
Silicon									
Silver	250	249	99.6	250	245	98.0	250	241	96.4
Sodium	40000	40200	100.5	40000	40100	100.3	40000	40100	100.3
Strontium									
Sulfur									
Thallium	2000	2050	102.5	2000	2070	103.5	2000	2060	103.0
Tin									
Titanium									
Tungsten									
Vanadium	2000	2000	100.0	2000	2000	100.0	2000	1980	99.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57390 Units: ug/l

Time:		10:44			12:18			13:03	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	2000	2030	101.5	2000	2020	101.0	2000	2010	100.5
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57390 Units: ug/l

Time:		13:58			14:13			15:15	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39200	98.0	40000	39300	98.3	40000	39600	99.0
Antimony	2000	1980	99.0	2000	1990	99.5	2000	2010	100.5
Arsenic	2000	1970	98.5	2000	1980	99.0	2000	1990	99.5
Barium	2000	1970	98.5	2000	1980	99.0	2000	1990	99.5
Beryllium	2000	1970	98.5	2000	1970	98.5	2000	1970	98.5
Bismuth									
Boron									
Cadmium	2000	1990	99.5	2000	2000	100.0	2000	2020	101.0
Calcium	40000	39700	99.3	40000	39800	99.5	40000	40100	100.3
Cerium									
Chromium	2000	2010	100.5	2000	1990	99.5	2000	1990	99.5
Cobalt	2000	2020	101.0	2000	2030	101.5	2000	2040	102.0
Copper	2000	2000	100.0	2000	1980	99.0	2000	1990	99.5
Iron	40000	39700	99.3	40000	39800	99.5	40000	39800	99.5
Lead	2000	2020	101.0	2000	2030	101.5	2000	2050	102.5
Lithium	anr								
Magnesium	40000	39700	99.3	40000	39800	99.5	40000	39700	99.3
Manganese	2000	2030	101.5	2000	1990	99.5	2000	2000	100.0
Molybdenum									
Nickel	2000	2030	101.5	2000	2040	102.0	2000	2040	102.0
Phosphorus									
Potassium	40000	39400	98.5	40000	39600	99.0	40000	39400	98.5
Selenium	2000	2010	100.5	2000	2020	101.0	2000	2060	103.0
Silicon									
Silver	250	246	98.4	250	243	97.2	250	244	97.6
Sodium	40000	40100	100.3	40000	40200	100.5	40000	40600	101.5
Strontium									
Sulfur									
Thallium	2000	2060	103.0	2000	2070	103.5	2000	2060	103.0
Tin									
Titanium									
Tungsten									
Vanadium	2000	2010	100.5	2000	2000	100.0	2000	2020	101.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57390 Units: ug/l

Time:		13:58			14:13			15:15	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	2000	2020	101.0	2000	2020	101.0	2000	2030	101.5
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57390 Units: ug/l

Time:		16:17			16:47			17:23	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39500	98.8	40000	39200	98.0	40000	39200	98.0
Antimony	2000	2010	100.5	2000	2010	100.5	2000	2000	100.0
Arsenic	2000	1980	99.0	2000	1970	98.5	2000	1960	98.0
Barium	2000	1980	99.0	2000	1980	99.0	2000	1970	98.5
Beryllium	2000	1960	98.0	2000	1940	97.0	2000	1940	97.0
Bismuth									
Boron									
Cadmium	2000	2010	100.5	2000	2010	100.5	2000	2010	100.5
Calcium	40000	40000	100.0	40000	39800	99.5	40000	39700	99.3
Cerium									
Chromium	2000	1970	98.5	2000	1960	98.0	2000	1950	97.5
Cobalt	2000	2040	102.0	2000	2040	102.0	2000	2030	101.5
Copper	2000	1960	98.0	2000	1950	97.5	2000	1930	96.5
Iron	40000	39600	99.0	40000	39500	98.8	40000	39400	98.5
Lead	2000	2040	102.0	2000	2040	102.0	2000	2030	101.5
Lithium	anr								
Magnesium	40000	39500	98.8	40000	39500	98.8	40000	39400	98.5
Manganese	2000	1990	99.5	2000	1950	97.5	2000	1960	98.0
Molybdenum									
Nickel	2000	2030	101.5	2000	2030	101.5	2000	2020	101.0
Phosphorus									
Potassium	40000	39100	97.8	40000	38700	96.8	40000	38900	97.3
Selenium	2000	2060	103.0	2000	2060	103.0	2000	2050	102.5
Silicon									
Silver	250	241	96.4	250	241	96.4	250	238	95.2
Sodium	40000	40600	101.5	40000	40400	101.0	40000	40400	101.0
Strontium									
Sulfur									
Thallium	2000	2050	102.5	2000	2040	102.0	2000	2030	101.5
Tin									
Titanium									
Tungsten									
Vanadium	2000	2010	100.5	2000	2010	100.5	2000	1990	99.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57390 Units: ug/l

Time:		16:17			16:47			17:23	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	2000	2020	101.0	2000	2020	101.0	2000	2020	101.0
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57390 Units: ug/l

Time:		18:24			19:24			20:24	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39000	97.5	40000	40000	100.0	40000	39000	97.5
Antimony	2000	1990	99.5	2000	2000	100.0	2000	2020	101.0
Arsenic	2000	1960	98.0	2000	1960	98.0	2000	1990	99.5
Barium	2000	1970	98.5	2000	1980	99.0	2000	1970	98.5
Beryllium	2000	1930	96.5	2000	1950	97.5	2000	1930	96.5
Bismuth									
Boron									
Cadmium	2000	2000	100.0	2000	2010	100.5	2000	2020	101.0
Calcium	40000	39500	98.8	40000	40300	100.8	40000	39500	98.8
Cerium									
Chromium	2000	1970	98.5	2000	1920	96.0	2000	1980	99.0
Cobalt	2000	2030	101.5	2000	2030	101.5	2000	2070	103.5
Copper	2000	1950	97.5	2000	1900	95.0	2000	1970	98.5
Iron	40000	39200	98.0	40000	39400	98.5	40000	39400	98.5
Lead	2000	2020	101.0	2000	2020	101.0	2000	2070	103.5
Lithium	anr								
Magnesium	40000	39400	98.5	40000	39300	98.3	40000	39500	98.8
Manganese	2000	1960	98.0	2000	1960	98.0	2000	1970	98.5
Molybdenum									
Nickel	2000	2020	101.0	2000	2020	101.0	2000	2060	103.0
Phosphorus									
Potassium	40000	38700	96.8	40000	39300	98.3	40000	38600	96.5
Selenium	2000	2040	102.0	2000	2050	102.5	2000	2100	105.0
Silicon									
Silver	250	241	96.4	250	233	93.2	250	246	98.4
Sodium	40000	40300	100.8	40000	40700	101.8	40000	40400	101.0
Strontium									
Sulfur									
Thallium	2000	2020	101.0	2000	2030	101.5	2000	2050	102.5
Tin									
Titanium									
Tungsten									
Vanadium	2000	2010	100.5	2000	1970	98.5	2000	2040	102.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57390 Units: ug/l

Time:		18:24			19:24			20:24	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	2000	2020	101.0	2000	2020	101.0	2000	2040	102.0
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57390 Units: ug/l

Time:		21:24			22:25			23:26	
Sample ID:	CCV	CCV12		CCV	CCV13		CCV	CCV14	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41200	103.0	40000	40400	101.0	40000	40500	101.3
Antimony	2000	2030	101.5	2000	2000	100.0	2000	1980	99.0
Arsenic	2000	1980	99.0	2000	1950	97.5	2000	1930	96.5
Barium	2000	2020	101.0	2000	1990	99.5	2000	1990	99.5
Beryllium	2000	1990	99.5	2000	1950	97.5	2000	1940	97.0
Bismuth									
Boron									
Cadmium	2000	2040	102.0	2000	2010	100.5	2000	1990	99.5
Calcium	40000	41300	103.3	40000	40500	101.3	40000	40400	101.0
Cerium									
Chromium	2000	1930	96.5	2000	1890	94.5	2000	1890	94.5
Cobalt	2000	2030	101.5	2000	2010	100.5	2000	1990	99.5
Copper	2000	1900	95.0	2000	1860	93.0	2000	1860	93.0
Iron	40000	40000	100.0	40000	39100	97.8	40000	38700	96.8
Lead	2000	2040	102.0	2000	2010	100.5	2000	1990	99.5
Lithium	anr								
Magnesium	40000	39900	99.8	40000	39200	98.0	40000	38900	97.3
Manganese	2000	1980	99.0	2000	1940	97.0	2000	1940	97.0
Molybdenum									
Nickel	2000	2030	101.5	2000	2000	100.0	2000	1990	99.5
Phosphorus									
Potassium	40000	40800	102.0	40000	40000	100.0	40000	40400	101.0
Selenium	2000	2060	103.0	2000	2040	102.0	2000	2010	100.5
Silicon									
Silver	250	233	93.2	250	228	91.2	250	227	90.8
Sodium	40000	41600	104.0	40000	41100	102.8	40000	41200	103.0
Strontium									
Sulfur									
Thallium	2000	2040	102.0	2000	2010	100.5	2000	2000	100.0
Tin									
Titanium									
Tungsten									
Vanadium	2000	1980	99.0	2000	1940	97.0	2000	1930	96.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57390 Units: ug/l

Time:		21:24			22:25			23:26	
Sample ID:	CCV	CCV12		CCV	CCV13		CCV	CCV14	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	2000	2050	102.5	2000	2030	101.5	2000	2010	100.5
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57390 Units: ug/l

Time:		00:26			01:27			02:28	
Sample ID:	CCV	CCV15		CCV	CCV16		CCV	CCV17	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	37400	93.5	40000	40700	101.8	40000	38800	97.0
Antimony	2000	2010	100.5	2000	2000	100.0	2000	2090	104.5
Arsenic	2000	1990	99.5	2000	1950	97.5	2000	2050	102.5
Barium	2000	1970	98.5	2000	2000	100.0	2000	2070	103.5
Beryllium	2000	1870	93.5	2000	1950	97.5	2000	1910	95.5
Bismuth									
Boron									
Cadmium	2000	2020	101.0	2000	2010	100.5	2000	2090	104.5
Calcium	40000	38100	95.3	40000	40500	101.3	40000	38700	96.8
Cerium									
Chromium	2000	2040	102.0	2000	1900	95.0	2000	2100	105.0
Cobalt	2000	2080	104.0	2000	2000	100.0	2000	2140	107.0
Copper	2000	2030	101.5	2000	1870	93.5	2000	2110	105.5
Iron	40000	38700	96.8	40000	38800	97.0	40000	38300	95.8
Lead	2000	2090	104.5	2000	2000	100.0	2000	2150	107.5
Lithium	anr								
Magnesium	40000	39300	98.3	40000	39100	97.8	40000	39500	98.8
Manganese	2000	1940	97.0	2000	1940	97.0	2000	2030	101.5
Molybdenum									
Nickel	2000	2060	103.0	2000	1990	99.5	2000	2110	105.5
Phosphorus									
Potassium	40000	37500	93.8	40000	40500	101.3	40000	40000	100.0
Selenium	2000	2120	106.0	2000	2030	101.5	2000	2190	109.5
Silicon									
Silver	250	257	102.8	250	229	91.6	250	267	106.8
Sodium	40000	40200	100.5	40000	41700	104.3	40000	42700	106.8
Strontium									
Sulfur									
Thallium	2000	2040	102.0	2000	2000	100.0	2000	2100	105.0
Tin									
Titanium									
Tungsten									
Vanadium	2000	2100	105.0	2000	1950	97.5	2000	2170	108.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57390 Units: ug/l

Time:		00:26			01:27			02:28	
Sample ID:	CCV	CCV15		CCV	CCV16		CCV	CCV17	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	2000	2040	102.0	2000	2030	101.5	2000	2100	105.0
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57390 Units: ug/l

Time:		03:27	
Sample ID:	CCV	CCV18	
Metal	True	Results	% Rec
Aluminum	40000	42100	105.3
Antimony	2000	2010	100.5
Arsenic	2000	1960	98.0
Barium	2000	2070	103.5
Beryllium	2000	1940	97.0
Bismuth			
Boron			
Cadmium	2000	2020	101.0
Calcium	40000	40500	101.3
Cerium			
Chromium	2000	1920	96.0
Cobalt	2000	2010	100.5
Copper	2000	1890	94.5
Iron	40000	37100	92.8
Lead	2000	2010	100.5
Lithium	anr		
Magnesium	40000	37700	94.3
Manganese	2000	1980	99.0
Molybdenum			
Nickel	2000	2010	100.5
Phosphorus			
Potassium	40000	43800	109.5
Selenium	2000	2040	102.0
Silicon			
Silver	250	229	91.6
Sodium	40000	43900	109.8
Strontium			
Sulfur			
Thallium	2000	2020	101.0
Tin			
Titanium			
Tungsten			
Vanadium	2000	1960	98.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57390 Units: ug/l

Time:		03:27	
Sample ID:	CCV	CCV18	
Metal	True	Results	% Rec
Zinc	2000	2030	101.5
Zirconium			

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 90 to 110 % Recovery Run ID: MA57390 Units: ug/l

Time:		11:46			11:52	
Sample ID:	HSTD	HSTD1		HSTD	HSTD2	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum				300000	295000	98.3
Antimony	8000	8180	102.3			
Arsenic	8000	7950	99.4			
Barium	8000	7850	98.1			
Beryllium	8000	7740	96.8			
Bismuth						
Boron						
Cadmium	8000	7830	97.9			
Calcium				200000	193000	96.5
Cerium						
Chromium	8000	8140	101.8			
Cobalt	8000	7960	99.5			
Copper	8000	8270	103.4			
Iron				200000	189000	94.5
Lead	8000	8080	101.0			
Lithium	anr					
Magnesium				300000	288000	96.0
Manganese	8000	8010	100.1			
Molybdenum						
Nickel	8000	8010	100.1			
Phosphorus						
Potassium				200000	197000	98.5
Selenium	8000	7810	97.6			
Silicon						
Silver	625	664	106.2			
Sodium				200000	197000	98.5
Strontium						
Sulfur						
Thallium	8000	8200	102.5			
Tin						
Titanium						
Tungsten						
Vanadium	8000	8030	100.4			

HIGH STANDARD CHECK SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 90 to 110 % Recovery Run ID: MA57390 Units: ug/l

Time:		11:46			11:52	
Sample ID:	HSTD	HSTD1		HSTD	HSTD2	
Metal	True	Results	% Rec	True	Results	% Rec
Zinc	8000	8060	100.8			
Zirconium						

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA57390 Units: ug/l

Time:				12:28		12:33		16:57	
Sample ID:	CRI	CRIA	CRID	CRI2		CRID2		CRID3	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	180	90.0	88.9	88.9	105	105.0
Antimony	6.0	20	3.0	6.60	110.0				
Arsenic	8.0	20	3.0	8.00	100.0	3.40	113.3	3.20	106.7
Barium	200		4.0	193	96.5	4.20	105.0	3.90	97.5
Beryllium	2.0		1.0	1.90	95.0	1.00	100.0	0.900	90.0
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	3.00	100.0	1.10	110.0	1.10	110.0
Calcium	5000	2000	1000	4960	99.2	1000	100.0	999	99.9
Cerium									
Chromium	10		2.0	10.1	101.0	2.00	100.0	1.70	85.0
Cobalt	50		3.0	50.3	100.6	3.40	113.3	3.60	120.0
Copper	10		2.0	10.4	104.0				
Iron	100	500		102	102.0				
Lead	3.0	20	2.5	3.10	103.3				
Lithium	50			anr					
Magnesium	5000	2000	100	5110	102.2	96.7	96.7	102	102.0
Manganese	15		3.0	15.0	100.0	3.10	103.3	3.00	100.0
Molybdenum	20								
Nickel	10		4.0	10.1	101.0	4.70	117.5	4.00	100.0
Phosphorus	50								
Potassium	5000		2000	5090	101.8	2060	103.0	2020	101.0
Selenium	10	20	5.0	10.0	100.0	4.50	90.0	5.00	100.0
Silicon	200								
Silver	5.0		2.0	4.90	98.0				
Sodium	5000		1000	5080	101.6	1020	102.0	1010	101.0
Strontium	10								
Sulfur	50								
Thallium	10		2.0	10.6	106.0			1.80	90.0
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	49.7	99.4	2.10	105.0	2.10	105.0

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA57390 Units: ug/l

Time:				12:28		12:33		16:57	
Sample ID:	CRI	CRIA	CRID	CRI2		CRID2		CRID3	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zinc	20		10	20.2	101.0	9.30	93.0	9.60	96.0
Zirconium	10								

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA57390 Units: ug/l

Time:				17:08		17:34		17:38	
Sample ID:	CRI	CRIA	CRID	CRID4		CRI3		CRID5	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	85.5	85.5	187	93.5	90.0	90.0
Antimony	6.0	20	3.0			6.80	113.3		
Arsenic	8.0	20	3.0	2.80	93.3	8.20	102.5	2.80	93.3
Barium	200		4.0	3.70	92.5	193	96.5	4.00	100.0
Beryllium	2.0		1.0	0.900	90.0	1.80	90.0	0.900	90.0
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	1.10	110.0	2.80	93.3	1.00	100.0
Calcium	5000	2000	1000	1010	101.0	5010	100.2	993	99.3
Cerium									
Chromium	10		2.0	1.80	90.0	9.50	95.0	1.60	80.0
Cobalt	50		3.0	3.30	110.0	50.4	100.8	3.40	113.3
Copper	10		2.0			9.60	96.0		
Iron	100	500				105	105.0		
Lead	3.0	20	2.5			3.60	120.0		
Lithium	50								
Magnesium	5000	2000	100	114	114.0	5020	100.4	97.1	97.1
Manganese	15		3.0	3.00	100.0	14.6	97.3	3.00	100.0
Molybdenum	20								
Nickel	10		4.0	4.00	100.0	10.4	104.0	3.90	97.5
Phosphorus	50								
Potassium	5000		2000	1950	97.5	4950	99.0	1970	98.5
Selenium	10	20	5.0			10.0	100.0	5.90	118.0
Silicon	200								
Silver	5.0		2.0			5.60	112.0		
Sodium	5000		1000	1000	100.0	5110	102.2	1000	100.0
Strontium	10								
Sulfur	50								
Thallium	10		2.0			8.90	89.0	1.70	85.0
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	2.30	115.0	49.4	98.8	2.00	100.0

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA57390 Units: ug/l

Time:				17:08		17:34		17:38	
Sample ID:	CRI	CRIA	CRID	CRID4		CRI3		CRID5	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zinc	20		10	9.50	95.0	21.1	105.5	9.40	94.0
Zirconium	10								

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 80 to 120 % Recovery Run ID: MA57390 Units: ug/l

Time:			11:35		11:41		17:13		17:18	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	489000	97.8	480000	96.0	492000	98.4	485000	97.0
Antimony		1000	-3.60		1070	107.0	-3.60		1090	109.0
Arsenic		1000	-1.50		1010	101.0	-0.900		1010	101.0
Barium		500	-1.60		478	95.6	-1.70		479	95.8
Beryllium		500	-0.600		470	94.0	-0.600		463	92.6
Bismuth		500	-3.70		534	106.8	3.10		544	108.8
Boron		500	-1.40		483	96.6	-4.40		496	99.2
Cadmium		1000	-0.600		983	98.3	-1.00		995	99.5
Calcium	400000	400000	372000	93.0	363000	90.8	373000	93.3	368000	92.0
Cerium			-18.8		-17.9		-23.1		-23.9	
Chromium		500	-1.50		468	93.6	-1.40		447	89.4
Cobalt		500	2.60		466	93.2	2.70		470	94.0
Copper		500	0.500		510	102.0	0.500		485	97.0
Iron	200000	200000	187000	93.5	185000	92.5	185000	92.5	184000	92.0
Lead		1000	-0.100		897	89.7	-2.20		904	90.4
Lithium		500	3.00		549	109.8	4.70		536	107.2
Magnesium	500000	500000	480000	96.0	476000	95.2	474000	94.8	470000	94.0
Manganese		500	-4.50		492	98.4	-4.50		476	95.2
Molybdenum		500	0.100		489	97.8	-0.500		483	96.6
Nickel		1000	0.200		942	94.2	0.400		940	94.0
Phosphorus		500	-7.70		464	92.8	-6.70		469	93.8
Potassium			-1.90		-25.9		-36.0		-58.8	
Selenium		1000	-2.50		980	98.0	-5.00		1010	101.0
Silicon		500	4.00		551	110.2	4.30		558	111.6
Silver		1000	-0.900		1070	107.0	-0.500		1030	103.0
Sodium			46.6		35.6		7.30		2.80	
Strontium		500	-0.700		467	93.4	-0.700		470	94.0
Sulfur		500	-0.400		492	98.4	-6.40		490	98.0
Thallium		1000	2.70		945	94.5	3.60		933	93.3
Tin		500	-1.80		493	98.6	-0.300		474	94.8
Titanium		500	-0.200		563	112.6	0.600		559	111.8
Tungsten		500	5.10		467	93.4	9.10		471	94.2
Vanadium		500	0.800		491	98.2	-1.50		485	97.0

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112624M1.ICP Date Analyzed: 11/26/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 80 to 120 % Recovery Run ID: MA57390 Units: ug/l

Time:			11:35		11:41		17:13		17:18	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Zinc		1000	-4.80		914	91.4	-4.20		918	91.8
Zirconium		500	-4.90		429	85.8	-3.90		409	81.8

(*) Outside of QC limits
(anr) Analyte not requested

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57400
Parameters: Cu

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:49	MA57400-STD1	1		STDA
10:54	MA57400-STD2	1		STDB
10:59	MA57400-ICV1	1		
11:05	MA57400-ICB1	1		
11:14	MA57400-ICCV1	1		
11:20	MA57400-ICCV2	1		
11:29	MA57400-CCB1	1		
11:34	MA57400-CRI1	1		
11:39	MA57400-CRID1	1		
11:44	MA57400-ICSA1	1		
11:49	MA57400-ICSAB1	1		
11:54	MA57400-HSTD1	1		
12:01	MA57400-HSTD2	1		
12:06	ZZZZZZ	1		
12:11	ZZZZZZ	1		
12:16	ZZZZZZ	1		
12:21	ZZZZZZ	1		
12:26	MA57400-CCV1	1		
12:31	MA57400-CCB2	1		
12:36	ZZZZZZ	1		
12:41	ZZZZZZ	1		
12:46	ZZZZZZ	1		
12:51	ZZZZZZ	1		
12:56	ZZZZZZ	1		
13:02	ZZZZZZ	1		
13:07	ZZZZZZ	1		
13:12	MA57400-CCV2	1		
13:17	MA57400-CCB3	1		
13:22	ZZZZZZ	1		
13:27	MP51156-S2	2		
13:49	ZZZZZZ	1		
13:54	MA57400-CRI2	1		
13:59	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57400
Parameters: Cu

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:04	MA57400-ICSA2	1		
14:09	MA57400-ICSAB2	1		
14:15	MA57400-CCV3	1		
14:20	MA57400-CCB4	1		
14:25	ZZZZZZ	1		
14:30	MA57400-CRID2	1		
14:35	MP51176-MB1	1		
14:40	MP51176-B1	1		
14:45	MP51176-S1	1		
14:50	MP51176-S2	1		
14:55	JE1170-1	1		(sample used for QC only; not part of login JE1300)
15:00	MP51176-SD1	5		
15:05	ZZZZZZ	1		
15:10	ZZZZZZ	1		
15:15	MA57400-CCV4	1		
15:20	MA57400-CCB5	1		
15:25	ZZZZZZ	1		
15:30	ZZZZZZ	1		
15:35	ZZZZZZ	1		
15:40	ZZZZZZ	1		
15:45	ZZZZZZ	1		
15:50	ZZZZZZ	1		
15:55	ZZZZZZ	1		
16:00	MP51182-MB1	1		
16:05	MP51182-B1	1		
16:10	MP51182-S1	1		
16:15	MA57400-CCV5	1		
16:20	MA57400-CCB6	1		
16:25	MP51182-S2	1		
16:30	JE1319-1	1		(sample used for QC only; not part of login JE1300)
16:35	MP51182-SD1	5		
16:39	ZZZZZZ	1		
16:45	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57400
Parameters: Cu

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:50	ZZZZZZ	1		
16:55	ZZZZZZ	1		
17:00	ZZZZZZ	1		
17:05	MA57400-CCV6	1		
17:10	MA57400-CCB7	1		
17:15	MP51179-MB1	1		
17:20	MP51179-B1	1		
17:25	MP51179-S1	1		
17:30	MP51179-S2	1		
17:35	JE705-5	1		(sample used for QC only; not part of login JE1300)
17:40	MP51179-SD1	5		
17:45	ZZZZZZ	1		
17:50	ZZZZZZ	1		
17:55	ZZZZZZ	1		
18:00	ZZZZZZ	1		
18:05	MA57400-CCV7	1		
18:10	MA57400-CCB8	1		
18:15	ZZZZZZ	1		
18:20	ZZZZZZ	1		
18:25	ZZZZZZ	1		
18:30	ZZZZZZ	1		
18:35	ZZZZZZ	1		
18:40	MP51178-MB1	1		
18:45	MP51178-B1	1		
18:50	MP51178-S1	1		
18:55	MP51178-S2	1		
19:00	JE704-1	1		(sample used for QC only; not part of login JE1300)
19:05	MA57400-CCV8	1		
19:10	MA57400-CCB9	1		
19:15	MP51178-SD1	5		
19:20	ZZZZZZ	1		
19:25	ZZZZZZ	1		
19:30	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57400
Parameters: Cu

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:34	ZZZZZZ	1		
19:39	ZZZZZZ	1		
19:44	ZZZZZZ	1		
19:49	ZZZZZZ	1		
19:54	ZZZZZZ	1		
19:59	ZZZZZZ	1		
20:04	MA57400-CCV9	1		
20:09	MA57400-CCB10	1		
20:14	ZZZZZZ	1		
20:19	MP51152-S1	5		
20:24	MP51152-S2	5		
20:29	JE1082-31	5		(sample used for QC only; not part of login JE1300)
20:34	MP51152-SD1	25		
20:39	MP51147-MB1	1		
20:44	MP51147-S1	1		
20:49	MP51147-S2	1		
20:54	MA57400-CCV10	1		
20:59	MA57400-CCB11	1		
21:04	JE1240-2	1		(sample used for QC only; not part of login JE1300)
21:09	MP51147-SD1	5		
---------->	Last reportable sample/prep for job JE1300			
21:14	ZZZZZZ	2		
21:19	ZZZZZZ	10		
21:25	ZZZZZZ	2		
21:30	ZZZZZZ	10		
21:35	ZZZZZZ	2		
21:40	ZZZZZZ	10		
21:45	ZZZZZZ	2		
21:50	ZZZZZZ	10		
21:55	MA57400-CCV11	1		
22:00	MA57400-CCB12	1		
---------->	Last reportable CCB for job JE1300			
22:05	MP51154-S1	5		
22:10	MP51154-S1	10		
22:15	MP51154-S2	5		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57400
Parameters: Cu

Time	Sample Description	Dilution Factor	PS Recov	Comments
22:20	MP51154-S2	10		
22:25	JE1263-1	5		(sample used for QC only; not part of login JE1300)
22:30	JE1263-1	10		(sample used for QC only; not part of login JE1300)
22:35	MP51154-SD1	25		
22:40	MP51154-SD1	50		
22:45	ZZZZZZ	2		
22:51	ZZZZZZ	5		
22:56	MA57400-CCV12	1		
23:01	MA57400-CCB13	1		
23:06	MP51170-MB	1		
23:11	MP51170-B1	1		
23:16	MP51170-S1	1		
23:21	MP51170-S2	1		
23:26	JE1221-1	1		(sample used for QC only; not part of login JE1300)
23:31	MP51170-SD1	5		
23:36	ZZZZZZ	1		
23:41	ZZZZZZ	1		
23:46	ZZZZZZ	1		
23:51	ZZZZZZ	1		
23:56	MA57400-CCV13	1		
00:01	MA57400-CCB14	1		
00:06	ZZZZZZ	1		
00:11	ZZZZZZ	1		
00:16	ZZZZZZ	1		
00:21	ZZZZZZ	1		
00:26	ZZZZZZ	1		
00:31	ZZZZZZ	1		
00:36	ZZZZZZ	1		
00:41	ZZZZZZ	1		
00:46	ZZZZZZ	1		
00:51	ZZZZZZ	1		
00:56	MA57400-CCV14	1		
01:01	MA57400-CCB15	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57400
Parameters: Cu

Time	Sample Description	Dilution Factor	PS Recov	Comments
01:06	ZZZZZZ	1		
01:11	ZZZZZZ	1		
01:16	ZZZZZZ	1		
01:21	ZZZZZZ	1		
01:26	MP51207-B1	1		
01:31	MP51207-MB1	1		
01:36	MP51207-S1	1		
01:41	MP51207-S2	1		
01:46	JE1250-1	1		(sample used for QC only; not part of login JE1300)
01:51	MP51207-SD1	5		
01:56	MA57400-CCV15	1		
02:01	MA57400-CCB16	1		
02:06	ZZZZZZ	1		
02:11	ZZZZZZ	1		
02:16	ZZZZZZ	1		
02:21	ZZZZZZ	1		
02:26	MP51184-S1	1		
02:31	MP51184-S2	1		
02:36	JE1357-1	1		(sample used for QC only; not part of login JE1300)
02:41	MP51184-SD1	5		
02:46	ZZZZZZ	1		
02:51	ZZZZZZ	1		
02:56	MA57400-CCV16	1		
03:01	MA57400-CCB17	1		
03:06	ZZZZZZ	1		
03:11	MA57400-CCV17	1		
03:16	MA57400-CCB18	1		
03:22	ZZZZZZ	1		
03:27	ZZZZZZ	1		
03:32	ZZZZZZ	1		
03:37	ZZZZZZ	1		
03:42	ZZZZZZ	1		

Refer to raw data for calibration curve and standards.

REPORTED ELEMENTS SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57400
Parameters: Cu

Time	Sample Description	Element: Dilution	Cu
10:59	MA57400-ICV1	1	X
11:05	MA57400-ICB1	1	X
11:14	MA57400-ICCV1	1	
11:20	MA57400-ICCV2	1	X
11:29	MA57400-CCB1	1	X
11:34	MA57400-CRI1	1	X
11:39	MA57400-CRID1	1	X
11:44	MA57400-ICSA1	1	X
11:49	MA57400-ICSAB1	1	X
11:54	MA57400-HSTD1	1	X
12:01	MA57400-HSTD2	1	X
12:06	ZZZZZZ	1	
12:11	ZZZZZZ	1	
12:16	ZZZZZZ	1	
12:21	ZZZZZZ	1	
12:26	MA57400-CCV1	1	X
12:31	MA57400-CCB2	1	X
12:36	ZZZZZZ	1	
12:41	ZZZZZZ	1	
12:46	ZZZZZZ	1	
12:51	ZZZZZZ	1	
12:56	ZZZZZZ	1	
13:02	ZZZZZZ	1	
13:07	ZZZZZZ	1	
13:12	MA57400-CCV2	1	X
13:17	MA57400-CCB3	1	X
13:22	ZZZZZZ	1	
13:27	MP51156-S2	2	
13:49	ZZZZZZ	1	
13:54	MA57400-CRI2	1	X
13:59	ZZZZZZ	1	
14:04	MA57400-ICSA2	1	X
14:09	MA57400-ICSAB2	1	X
		Element:	Cu

REPORTED ELEMENTS SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57400
Parameters: Cu

Time	Sample Description	Element: Dilution	Cu	
14:15	MA57400-CCV3	1	X	
14:20	MA57400-CCB4	1	X	
14:25	ZZZZZZ	1		
14:30	MA57400-CRID2	1	X	
14:35	MP51176-MB1	1	X	
14:40	MP51176-B1	1	X	
14:45	MP51176-S1	1	X	
14:50	MP51176-S2	1	X	
14:55	JE1170-1	1	X	(a)
15:00	MP51176-SD1	5	X	
15:05	ZZZZZZ	1		
15:10	ZZZZZZ	1		
15:15	MA57400-CCV4	1	X	
15:20	MA57400-CCB5	1	X	
15:25	ZZZZZZ	1		
15:30	ZZZZZZ	1		
15:35	ZZZZZZ	1		
15:40	ZZZZZZ	1		
15:45	ZZZZZZ	1		
15:50	ZZZZZZ	1		
15:55	ZZZZZZ	1		
16:00	MP51182-MB1	1	X	
16:05	MP51182-B1	1	X	
16:10	MP51182-S1	1	X	
16:15	MA57400-CCV5	1	X	
16:20	MA57400-CCB6	1	X	
16:25	MP51182-S2	1	X	
16:30	JE1319-1	1	X	(a)
16:35	MP51182-SD1	5	X	
16:39	ZZZZZZ	1		
16:45	ZZZZZZ	1		
16:50	ZZZZZZ	1		
16:55	ZZZZZZ	1		
		Element: Dilution	Cu	

REPORTED ELEMENTS SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57400
Parameters: Cu

Time	Sample Description	Element: Dilution	Cu	
17:00	ZZZZZZ	1		
17:05	MA57400-CCV6	1	X	
17:10	MA57400-CCB7	1	X	
17:15	MP51179-MB1	1		
17:20	MP51179-B1	1		
17:25	MP51179-S1	1		
17:30	MP51179-S2	1		
17:35	JE705-5	1		(a)
17:40	MP51179-SD1	5		
17:45	ZZZZZZ	1		
17:50	ZZZZZZ	1		
17:55	ZZZZZZ	1		
18:00	ZZZZZZ	1		
18:05	MA57400-CCV7	1	X	
18:10	MA57400-CCB8	1	X	
18:15	ZZZZZZ	1		
18:20	ZZZZZZ	1		
18:25	ZZZZZZ	1		
18:30	ZZZZZZ	1		
18:35	ZZZZZZ	1		
18:40	MP51178-MB1	1		
18:45	MP51178-B1	1		
18:50	MP51178-S1	1		
18:55	MP51178-S2	1		
19:00	JE704-1	1		(a)
19:05	MA57400-CCV8	1	X	
19:10	MA57400-CCB9	1	X	
19:15	MP51178-SD1	5		
19:20	ZZZZZZ	1		
19:25	ZZZZZZ	1		
19:30	ZZZZZZ	1		
19:34	ZZZZZZ	1		
19:39	ZZZZZZ	1		
		Element:	Cu	

REPORTED ELEMENTS SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57400
Parameters: Cu

Time	Sample Description	Element: Dilution	Cu	
19:44	ZZZZZZ	1		
19:49	ZZZZZZ	1		
19:54	ZZZZZZ	1		
19:59	ZZZZZZ	1		
20:04	MA57400-CCV9	1	X	
20:09	MA57400-CCB10	1	X	
20:14	ZZZZZZ	1		
20:19	MP51152-S1	5		
20:24	MP51152-S2	5		
20:29	JE1082-31	5		(a)
20:34	MP51152-SD1	25		
20:39	MP51147-MB1	1	X	
20:44	MP51147-S1	1	X	
20:49	MP51147-S2	1	X	
20:54	MA57400-CCV10	1	X	
20:59	MA57400-CCB11	1	X	
21:04	JE1240-2	1	X	(a)
21:09	MP51147-SD1	5	X	
21:14	ZZZZZZ	2		
21:19	ZZZZZZ	10		
21:25	ZZZZZZ	2		
21:30	ZZZZZZ	10		
21:35	ZZZZZZ	2		
21:40	ZZZZZZ	10		
21:45	ZZZZZZ	2		
21:50	ZZZZZZ	10		
21:55	MA57400-CCV11	1	X	
22:00	MA57400-CCB12	1	X	
22:05	MP51154-S1	5		
22:10	MP51154-S1	10		
22:15	MP51154-S2	5		
22:20	MP51154-S2	10		
22:25	JE1263-1	5		(a)
		Element:	Cu	

REPORTED ELEMENTS SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57400
Parameters: Cu

Time	Sample Description	Element: Dilution	C u	
22:30	JE1263-1	10		
22:35	MP51154-SD1	25		
22:40	MP51154-SD1	50		
22:45	ZZZZZZ	2		
22:51	ZZZZZZ	5		
22:56	MA57400-CCV12	1	X	
23:01	MA57400-CCB13	1	X	
23:06	MP51170-MB	1		
23:11	MP51170-B1	1		
23:16	MP51170-S1	1		
23:21	MP51170-S2	1		
23:26	JE1221-1	1		(a)
23:31	MP51170-SD1	5		
23:36	ZZZZZZ	1		
23:41	ZZZZZZ	1		
23:46	ZZZZZZ	1		
23:51	ZZZZZZ	1		
23:56	MA57400-CCV13	1	X	
00:01	MA57400-CCB14	1	X	
00:06	ZZZZZZ	1		
00:11	ZZZZZZ	1		
00:16	ZZZZZZ	1		
00:21	ZZZZZZ	1		
00:26	ZZZZZZ	1		
00:31	ZZZZZZ	1		
00:36	ZZZZZZ	1		
00:41	ZZZZZZ	1		
00:46	ZZZZZZ	1		
00:51	ZZZZZZ	1		
00:56	MA57400-CCV14	1	X	
01:01	MA57400-CCB15	1	X	
01:06	ZZZZZZ	1		
01:11	ZZZZZZ	1		
		Element:	C u	

REPORTED ELEMENTS SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57400
Parameters: Cu

Time	Sample Description	Element: Dilution	C u	
01:16	ZZZZZZ	1		
01:21	ZZZZZZ	1		
01:26	MP51207-B1	1		
01:31	MP51207-MB1	1		
01:36	MP51207-S1	1		
01:41	MP51207-S2	1		
01:46	JE1250-1	1		(a)
01:51	MP51207-SD1	5		
01:56	MA57400-CCV15	1	X	
02:01	MA57400-CCB16	1	X	
02:06	ZZZZZZ	1		
02:11	ZZZZZZ	1		
02:16	ZZZZZZ	1		
02:21	ZZZZZZ	1		
02:26	MP51184-S1	1	X	
02:31	MP51184-S2	1	X	
02:36	JE1357-1	1		(a)
02:41	MP51184-SD1	5	X	
02:46	ZZZZZZ	1		
02:51	ZZZZZZ	1		
02:56	MA57400-CCV16	1	X	
03:01	MA57400-CCB17	1	X	
03:06	ZZZZZZ	1		
03:11	MA57400-CCV17	1	X	
03:16	MA57400-CCB18	1	X	
03:22	ZZZZZZ	1		
03:27	ZZZZZZ	1		
03:32	ZZZZZZ	1		
03:37	ZZZZZZ	1		
03:42	ZZZZZZ	1		

(a) Sample used for QC only; not part of login JE1300.

Element:	C u

INTERNAL STANDARD SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57400
Parameters: Cu

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:49	MA57400-STD1	8002 R	254750 R	23810 R	18717 R
10:54	MA57400-STD2	7606	235020	22992	17128
10:59	MA57400-ICV1	7858	240600	23717	17653
11:05	MA57400-ICB1	8092	239620	24768	18796
11:14	MA57400-ICCV1	No results reported for the elements associated with this internal standard.			
11:20	MA57400-ICCV2	7756	246370	23341	17559
11:29	MA57400-CCB1	7965	256490	23788	18675
11:34	MA57400-CRI1	7961	251130	23641	18473
11:39	MA57400-CRID1	7963	249890	23634	18590
11:44	MA57400-ICSA1	7263	221960	23086	16246
11:49	MA57400-ICSAB1	7273	220040	22994	16262
11:54	MA57400-HSTD1	7907	241920	23820	18506
12:01	MA57400-HSTD2	7291	219760	23059	16180
12:06	ZZZZZZ	8028	241650	24231	19077
12:11	ZZZZZZ	8319	218240	25863	17594
12:16	ZZZZZZ	7542	226300	24098	16920
12:21	ZZZZZZ	8020	254170	23750	18623
12:26	MA57400-CCV1	7778	245400	23172	17585
12:31	MA57400-CCB2	8007	256100	23581	18698
12:36	ZZZZZZ	8095	252750	23793	18910
12:41	ZZZZZZ	8079	258430	24026	18874
12:46	ZZZZZZ	7957	249270	23525	18422
12:51	ZZZZZZ	8017	249560	23862	18784
12:56	ZZZZZZ	8007	255700	23805	18648
13:02	ZZZZZZ	7979	248720	23554	18593
13:07	ZZZZZZ	8141	248680	24122	18823
13:12	MA57400-CCV2	7849	222220	24550	17566
13:17	MA57400-CCB3	8082	235760	24959	18747
13:22	ZZZZZZ	7961	248240	23832	18154
13:27	MP51156-S2	7934	252230	23879	18154
13:49	ZZZZZZ	8024	253920	23658	18797
13:54	MA57400-CRI2	7918	245620	23404	18354
13:59	ZZZZZZ	7994	246760	23535	18571

INTERNAL STANDARD SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57400
Parameters: Cu

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:04	MA57400-ICSA2	7298	217710	22791	16225
14:09	MA57400-ICSAB2	7298	217160	22842	16274
14:15	MA57400-CCV3	7798	237160	23289	17505
14:20	MA57400-CCB4	8048	252300	23510	18690
14:25	ZZZZZZ	8042	246870	23649	18494
14:30	MA57400-CRID2	8103	235800	24635	18701
14:35	MP51176-MB1	8306	233950	26026	19370
14:40	MP51176-B1	8029	242960	24485	18229
14:45	MP51176-S1	7668	239730	23163	17281
14:50	MP51176-S2	7627	242610	23127	17279
14:55	JE1170-1	7557	246380	23241	17456
15:00	MP51176-SD1	7880	251760	23469	18386
15:05	ZZZZZZ	7762	240010	23434	17329
15:10	ZZZZZZ	7872	245130	23505	18171
15:15	MA57400-CCV4	7712	240740	23386	17395
15:20	MA57400-CCB5	7987	252000	23488	18659
15:25	ZZZZZZ	7878	245620	23535	18096
15:30	ZZZZZZ	7897	241580	23489	18163
15:35	ZZZZZZ	7907	244160	23495	18255
15:40	ZZZZZZ	7697	237330	23177	17674
15:45	ZZZZZZ	7694	234160	23189	17633
15:50	ZZZZZZ	7898	235360	23762	17872
15:55	ZZZZZZ	8100	232130	25108	18561
16:00	MP51182-MB1	8191	242020	24786	19147
16:05	MP51182-B1	7894	245650	23662	17999
16:10	MP51182-S1	7743	240160	23364	17343
16:15	MA57400-CCV5	7640	241880	22767	17302
16:20	MA57400-CCB6	7907	253280	23061	18514
16:25	MP51182-S2	7704	242250	23420	17262
16:30	JE1319-1	7783	243260	23341	17714
16:35	MP51182-SD1	7896	247930	23177	18286
16:39	ZZZZZZ	7575	229280	23002	16723
16:45	ZZZZZZ	7961	227560	24383	17748

INTERNAL STANDARD SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57400
Parameters: Cu

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:50	ZZZZZZ	7367	211670	24172	16059
16:55	ZZZZZZ	7805	237060	23751	17753
17:00	ZZZZZZ	7816	245540	22872	17898
17:05	MA57400-CCV6	7650	241150	22462	17353
17:10	MA57400-CCB7	7886	254820	22761	18487
17:15	MP51179-MB1	8012	255240	22943	18910
17:20	MP51179-B1	8132	250930	23001	19093
17:25	MP51179-S1	7898	227510	23802	17764
17:30	MP51179-S2	7814	222750	24236	17625
17:35	JE705-5	7715	231020	23419	17523
17:40	MP51179-SD1	7838	249060	22894	18196
17:45	ZZZZZZ	7628	241920	22487	17458
17:50	ZZZZZZ	7625	241400	22378	17428
17:55	ZZZZZZ	7798	237890	23057	17649
18:00	ZZZZZZ	7839	223890	24144	17666
18:05	MA57400-CCV7	7647	225660	23107	17197
18:10	MA57400-CCB8	7867	247420	22804	18404
18:15	ZZZZZZ	7570	239060	22244	17311
18:20	ZZZZZZ	7590	239720	22033	17342
18:25	ZZZZZZ	7637	234270	22057	17399
18:30	ZZZZZZ	7786	229830	22979	17560
18:35	ZZZZZZ	7896	231620	24106	18187
18:40	MP51178-MB1	8000	245810	23367	18832
18:45	MP51178-B1	7916	249570	22564	18701
18:50	MP51178-S1	7576	240260	22125	17330
18:55	MP51178-S2	7730	239140	22384	17513
19:00	JE704-1	7824	226040	23832	17641
19:05	MA57400-CCV8	7598	225190	22840	17163
19:10	MA57400-CCB9	7794	244040	22313	18275
19:15	MP51178-SD1	7786	248190	22280	18090
19:20	ZZZZZZ	7727	238770	22243	17575
19:25	ZZZZZZ	7831	232220	23341	17701
19:30	ZZZZZZ	7750	227060	23793	17556

INTERNAL STANDARD SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57400
Parameters: Cu

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
19:34	ZZZZZZ	7656	231440	22809	17425
19:39	ZZZZZZ	7587	235400	22096	17336
19:44	ZZZZZZ	7661	240250	21813	17445
19:49	ZZZZZZ	7779	234880	22694	17579
19:54	ZZZZZZ	7798	225170	23756	17619
19:59	ZZZZZZ	7641	233660	23087	17413
20:04	MA57400-CCV9	7557	235570	21920	17151
20:09	MA57400-CCB10	7869	252750	22026	18434
20:14	ZZZZZZ	7825	248990	22296	18098
20:19	MP51152-S1	7687	225160	23461	17282
20:24	MP51152-S2	7665	230620	23307	17322
20:29	JE1082-31	7660	242170	22568	17450
20:34	MP51152-SD1	7741	246090	21903	18032
20:39	MP51147-MB1	7819	249990	21960	18241
20:44	MP51147-S1	7617	221620	22817	17043
20:49	MP51147-S2	7503	224680	22374	16855
20:54	MA57400-CCV10	7585	234410	21793	17152
20:59	MA57400-CCB11	7848	253000	22019	18389
21:04	JE1240-2	7579	238620	21663	17341
21:09	MP51147-SD1	7863	232130	22746	18170
21:14	ZZZZZZ	6425	182940	21023	13811
21:19	ZZZZZZ	7184	217800	21596	15894
21:25	ZZZZZZ	6278	191270	20268	13574
21:30	ZZZZZZ	7123	223740	20883	15665
21:35	ZZZZZZ	6370	183190	20735	13654
21:40	ZZZZZZ	7408	210190	21945	16212
21:45	ZZZZZZ	6284	188860	20390	13509
21:50	ZZZZZZ	6913	219130	21407	15341
21:55	MA57400-CCV11	7581	240280	21124	17168
22:00	MA57400-CCB12	7819	239350	21915	18197
22:05	MP51154-S1	7439	215740	22259	16405
22:10	MP51154-S1	No results reported for the elements associated with this internal standard.			
22:15	MP51154-S2	7446	232840	21244	16511

INTERNAL STANDARD SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57400
Parameters: Cu

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
22:20	MP51154-S2	No results reported for the elements associated with this internal standard.			
22:25	JE1263-1	7630	231950	21989	16745
22:30	JE1263-1	No results reported for the elements associated with this internal standard.			
22:35	MP51154-SD1	7998	239560	22803	18103
22:40	MP51154-SD1	No results reported for the elements associated with this internal standard.			
22:45	ZZZZZZ	7289	234130	20951	18552
22:51	ZZZZZZ	7670	243540	21083	18375
22:56	MA57400-CCV12	7778	226560	21702	17396
23:01	MA57400-CCB13	8001	237070	22502	18546
23:06	MP51170-MB	7908	247130	21691	18421
23:11	MP51170-B1	7659	241870	21016	17465
23:16	MP51170-S1	7624	237670	20823	17164
23:21	MP51170-S2	7644	227720	21574	17094
23:26	JE1221-1	7742	229050	22212	17673
23:31	MP51170-SD1	7811	239440	21425	18185
23:36	ZZZZZZ	7668	239570	20913	17648
23:41	ZZZZZZ	7768	241800	20896	17745
23:46	ZZZZZZ	7780	235250	21694	17778
23:51	ZZZZZZ	7817	229250	22352	17853
23:56	MA57400-CCV13	7659	233540	21013	17200
00:01	MA57400-CCB14	7907	250230	21066	18423
00:06	ZZZZZZ	7826	243900	21269	17959
00:11	ZZZZZZ	7880	234370	22115	18006
00:16	ZZZZZZ	7684	227670	21877	17312
00:21	ZZZZZZ	7552	234390	21123	16927
00:26	ZZZZZZ	7537	234660	20832	16856
00:31	ZZZZZZ	7668	233590	21158	17019
00:36	ZZZZZZ	7781	224550	22376	17447
00:41	ZZZZZZ	7689	230520	21746	17368
00:46	ZZZZZZ	7665	235340	20796	17285
00:51	ZZZZZZ	7943	251150	20929	18474
00:56	MA57400-CCV14	7725	230260	21077	17271
01:01	MA57400-CCB15	8023	240360	22250	18543

INTERNAL STANDARD SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57400
Parameters: Cu

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
01:06	ZZZZZZ	7720	233810	21385	17557
01:11	ZZZZZZ	7616	238650	20815	17217
01:16	ZZZZZZ	7990	248330	21029	18465
01:21	ZZZZZZ	7733	225680	21801	17345
01:26	MP51207-B1	7999	231910	22138	18032
01:31	MP51207-MB1	8050	250290	21395	18819
01:36	MP51207-S1	7818	238910	20909	17714
01:41	MP51207-S2	8046	237420	21331	18046
01:46	JE1250-1	8228	236430	22821	19023
01:51	MP51207-SD1	8073	245020	22109	18687
01:56	MA57400-CCV15	7693	237300	20733	17258
02:01	MA57400-CCB16	7986	252760	20848	18501
02:06	ZZZZZZ	8201	246580	21910	19019
02:11	ZZZZZZ	7790	223460	22717	16515
02:16	ZZZZZZ	7753	237960	21238	17578
02:21	ZZZZZZ	7901	248020	21230	18153
02:26	MP51184-S1	7906	243770	21009	17742
02:31	MP51184-S2	7863	235330	22279	17607
02:36	JE1357-1	8060	239230	22121	18325
02:41	MP51184-SD1	8029	249870	21255	18524
02:46	ZZZZZZ	8223	250500	20942	18988
02:51	ZZZZZZ	8075	244840	21829	18591
02:56	MA57400-CCV16	7771	227150	21994	17278
03:01	MA57400-CCB17	7987	247230	21268	18476
03:06	ZZZZZZ	7972	250250	21008	18505
03:11	MA57400-CCV17	7738	239280	20626	17216
03:16	MA57400-CCB18	8074	237720	21878	18508
03:22	ZZZZZZ	7851	235070	21917	17681
03:27	ZZZZZZ	7262	218410	19903	16210
03:32	ZZZZZZ	7847	248230	20397	18281
03:37	ZZZZZZ	7922	241420	20765	18333
03:42	ZZZZZZ	8034	237020	21944	18548

R = Reference for ISTD limits. ! = Outside limits.

INTERNAL STANDARD SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57400
Parameters: Cu

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %
Istd#2	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %
Istd#4	Indium	70-130 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57400 Units: ug/l

Time:			11:05		11:29		12:31		13:17	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	27	anr							
Antimony	6.0	2.2	anr							
Arsenic	3.0	1.3	anr							
Barium	200	1	anr							
Beryllium	1.0	.2								
Bismuth	20	2.1	anr							
Boron	100	1								
Cadmium	3.0	.2	anr							
Calcium	5000	7.7	anr							
Cerium	100									
Chromium	10	.5	anr							
Cobalt	50	.4								
Copper	10	6.8	1.80	<10	-0.200	<10	-0.200	<10	2.40	<10
Iron	100	15	anr							
Lead	3.0	1.6	anr							
Lithium	50	3.7	anr							
Magnesium	5000	54	anr							
Manganese	15	.1	anr							
Molybdenum	20	.5								
Nickel	10	.3	anr							
Phosphorus	50	1.8								
Potassium	10000	77								
Selenium	10	2	anr							
Silicon	200	1.3								
Silver	10	.9	anr							
Sodium	10000	23	anr							
Strontium	10	.4								
Sulfur	50	4.1								
Thallium	10	1.6								
Tin	10	.9								
Titanium	10	.9								
Tungsten	50	2								
Vanadium	50	.8								

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57400 Units: ug/l

Time:			11:05		11:29		12:31		13:17	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.2	anr							
Zirconium	10	.5								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57400 Units: ug/l

Time: / Sample ID:			14:20 CCB4		15:20 CCB5		16:20 CCB6		17:10 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	27	anr							
Antimony	6.0	2.2	anr							
Arsenic	3.0	1.3	anr							
Barium	200	1	anr							
Beryllium	1.0	.2								
Bismuth	20	2.1	anr							
Boron	100	1								
Cadmium	3.0	.2	anr							
Calcium	5000	7.7	anr							
Cerium	100									
Chromium	10	.5	anr							
Cobalt	50	.4								
Copper	10	6.8	0.100	<10	-0.200	<10	-0.100	<10	-0.200	<10
Iron	100	15	anr							
Lead	3.0	1.6	anr							
Lithium	50	3.7	anr							
Magnesium	5000	54	anr							
Manganese	15	.1	anr							
Molybdenum	20	.5								
Nickel	10	.3	anr							
Phosphorus	50	1.8								
Potassium	10000	77								
Selenium	10	2	anr							
Silicon	200	1.3								
Silver	10	.9	anr							
Sodium	10000	23	anr							
Strontium	10	.4								
Sulfur	50	4.1								
Thallium	10	1.6								
Tin	10	.9								
Titanium	10	.9								
Tungsten	50	2								
Vanadium	50	.8								

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57400 Units: ug/l

Time: / Sample ID:			14:20 CCB4		15:20 CCB5		16:20 CCB6		17:10 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.2	anr							
Zirconium	10	.5								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57400 Units: ug/l

Time:			18:10		19:10		20:09		20:59	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	27	anr							
Antimony	6.0	2.2	anr							
Arsenic	3.0	1.3	anr							
Barium	200	1	anr							
Beryllium	1.0	.2								
Bismuth	20	2.1	anr							
Boron	100	1								
Cadmium	3.0	.2	anr							
Calcium	5000	7.7	anr							
Cerium	100									
Chromium	10	.5	anr							
Cobalt	50	.4								
Copper	10	6.8	0.100	<10	0.100	<10	-0.300	<10	-0.300	<10
Iron	100	15	anr							
Lead	3.0	1.6	anr							
Lithium	50	3.7	anr							
Magnesium	5000	54	anr							
Manganese	15	.1	anr							
Molybdenum	20	.5								
Nickel	10	.3	anr							
Phosphorus	50	1.8								
Potassium	10000	77								
Selenium	10	2	anr							
Silicon	200	1.3								
Silver	10	.9	anr							
Sodium	10000	23	anr							
Strontium	10	.4								
Sulfur	50	4.1								
Thallium	10	1.6								
Tin	10	.9								
Titanium	10	.9								
Tungsten	50	2								
Vanadium	50	.8								

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57400 Units: ug/l

Time: / Sample ID:			18:10 CCB8		19:10 CCB9		20:09 CCB10		20:59 CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.2	anr							
Zirconium	10	.5								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57400 Units: ug/l

Time:			22:00	
Sample ID:			CCB12	
Metal	RL	IDL	raw	final
Aluminum	200	27	anr	
Antimony	6.0	2.2	anr	
Arsenic	3.0	1.3	anr	
Barium	200	1	anr	
Beryllium	1.0	.2		
Bismuth	20	2.1	anr	
Boron	100	1		
Cadmium	3.0	.2	anr	
Calcium	5000	7.7	anr	
Cerium	100			
Chromium	10	.5	anr	
Cobalt	50	.4		
Copper	10	6.8	0.700	<10
Iron	100	15	anr	
Lead	3.0	1.6	anr	
Lithium	50	3.7	anr	
Magnesium	5000	54	anr	
Manganese	15	.1	anr	
Molybdenum	20	.5		
Nickel	10	.3	anr	
Phosphorus	50	1.8		
Potassium	10000	77		
Selenium	10	2	anr	
Silicon	200	1.3		
Silver	10	.9	anr	
Sodium	10000	23	anr	
Strontium	10	.4		
Sulfur	50	4.1		
Thallium	10	1.6		
Tin	10	.9		
Titanium	10	.9		
Tungsten	50	2		
Vanadium	50	.8		

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57400 Units: ug/l

Time:			22:00	
Sample ID:			CCB12	
Metal	RL	IDL	raw	final
Zinc	20	.2	anr	
Zirconium	10	.5		

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
QC Limits: to % Recovery Run ID: MA57400 Units: ug/l

Time:		11:20	
Sample ID:	ICCV	ICCV2	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium			
Bismuth	anr		
Boron			
Cadmium	anr		
Calcium	anr		
Cerium			
Chromium	anr		
Cobalt			
Copper	2000	1970	98.5
Iron	anr		
Lead	anr		
Lithium	anr		
Magnesium	anr		
Manganese	anr		
Molybdenum			
Nickel	anr		
Phosphorus			
Potassium			
Selenium	anr		
Silicon			
Silver	anr		
Sodium	anr		
Strontium			
Sulfur			
Thallium			
Tin			
Titanium			
Tungsten			
Vanadium			

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
QC Limits: to % Recovery Run ID: MA57400 Units: ug/l

Time:		11:20	
Sample ID:	ICCV	ICCV2	
Metal	True	Results	% Rec
Zinc	anr		
Zirconium			

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57400 Units: ug/l

Time:		10:59			12:26			13:12	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium									
Bismuth	anr								
Boron									
Cadmium	anr								
Calcium	anr								
Cerium									
Chromium	anr								
Cobalt									
Copper	2000	1990	99.5	2000	1970	98.5	2000	2180	109.0
Iron	anr								
Lead	anr								
Lithium	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Phosphorus									
Potassium									
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Strontium									
Sulfur									
Thallium									
Tin									
Titanium									
Tungsten									
Vanadium									

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57400 Units: ug/l

Time:		10:59			12:26			13:12	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	anr								
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57400 Units: ug/l

Time:		14:15			15:15			16:15	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium									
Bismuth	anr								
Boron									
Cadmium	anr								
Calcium	anr								
Cerium									
Chromium	anr								
Cobalt									
Copper	2000	2030	101.5	2000	1990	99.5	2000	1980	99.0
Iron	anr								
Lead	anr								
Lithium	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Phosphorus									
Potassium									
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Strontium									
Sulfur									
Thallium									
Tin									
Titanium									
Tungsten									
Vanadium									

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57400 Units: ug/l

Time:		14:15			15:15			16:15	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	anr								
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57400 Units: ug/l

Time:		17:05			18:05			19:05	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium									
Bismuth	anr								
Boron									
Cadmium	anr								
Calcium	anr								
Cerium									
Chromium	anr								
Cobalt									
Copper	2000	1980	99.0	2000	2110	105.5	2000	2110	105.5
Iron	anr								
Lead	anr								
Lithium	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Phosphorus									
Potassium									
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Strontium									
Sulfur									
Thallium									
Tin									
Titanium									
Tungsten									
Vanadium									

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57400 Units: ug/l

Time:		17:05			18:05			19:05	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	anr								
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57400 Units: ug/l

Time:		20:04			20:54			21:55	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium									
Bismuth	anr								
Boron									
Cadmium	anr								
Calcium	anr								
Cerium									
Chromium	anr								
Cobalt									
Copper	2000	2010	100.5	2000	2010	100.5	2000	1980	99.0
Iron	anr								
Lead	anr								
Lithium	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Phosphorus									
Potassium									
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Strontium									
Sulfur									
Thallium									
Tin									
Titanium									
Tungsten									
Vanadium									

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57400 Units: ug/l

Time:		20:04			20:54			21:55	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	anr								
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 90 to 110 % Recovery Run ID: MA57400 Units: ug/l

Time:		11:54			12:01	
Sample ID:	HSTD	HSTD1		HSTD	HSTD2	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum						
Antimony	anr					
Arsenic	anr					
Barium	anr					
Beryllium						
Bismuth	anr					
Boron						
Cadmium	anr					
Calcium						
Cerium						
Chromium	anr					
Cobalt						
Copper	8000	8170	102.1			
Iron						
Lead	anr					
Lithium	anr					
Magnesium						
Manganese	anr					
Molybdenum						
Nickel	anr					
Phosphorus						
Potassium						
Selenium	anr					
Silicon						
Silver	anr					
Sodium						
Strontium						
Sulfur						
Thallium						
Tin						
Titanium						
Tungsten						
Vanadium						

HIGH STANDARD CHECK SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 90 to 110 % Recovery Run ID: MA57400 Units: ug/l

Time:		11:54			12:01	
Sample ID:	HSTD	HSTD1		HSTD	HSTD2	
Metal	True	Results	% Rec	True	Results	% Rec
Zinc	anr					
Zirconium						

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA57400 Units: ug/l

Time:				11:34		11:39		13:54	
Sample ID:	CRI	CRIA	CRID	CRI1		CRID1		CRI2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	anr					
Antimony	6.0	20	3.0	anr					
Arsenic	8.0	20	3.0	anr					
Barium	200		4.0	anr					
Beryllium	2.0		1.0						
Bismuth	20			anr					
Boron	100		10						
Cadmium	3.0		1.0	anr					
Calcium	5000	2000	1000	anr					
Cerium									
Chromium	10		2.0	anr					
Cobalt	50		3.0						
Copper	10		2.0	9.90	99.0			11.3	113.0
Iron	100	500		anr					
Lead	3.0	20	2.5	anr					
Lithium	50			anr					
Magnesium	5000	2000	100	anr					
Manganese	15		3.0	anr					
Molybdenum	20								
Nickel	10		4.0	anr					
Phosphorus	50								
Potassium	5000		2000						
Selenium	10	20	5.0	anr					
Silicon	200								
Silver	5.0		2.0	anr					
Sodium	5000		1000	anr					
Strontium	10								
Sulfur	50								
Thallium	10		2.0						
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0						

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA57400 Units: ug/l

Time:				11:34		11:39		13:54	
Sample ID:	CRI	CRIA	CRID	CRI1		CRID1		CRI2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zinc	20		10	anr					
Zirconium	10								

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA57400 Units: ug/l

Time:				14:30	
Sample ID:	CRI	CRIA	CRID	CRID2	
Metal	True	True	True	Results	% Rec
Aluminum	200	500	100	anr	
Antimony	6.0	20	3.0	anr	
Arsenic	8.0	20	3.0	anr	
Barium	200		4.0	anr	
Beryllium	2.0		1.0		
Bismuth	20				
Boron	100		10		
Cadmium	3.0		1.0	anr	
Calcium	5000	2000	1000	anr	
Cerium					
Chromium	10		2.0	anr	
Cobalt	50		3.0		
Copper	10		2.0	2.70U	0.0*
Iron	100	500			
Lead	3.0	20	2.5	anr	
Lithium	50				
Magnesium	5000	2000	100	anr	
Manganese	15		3.0	anr	
Molybdenum	20				
Nickel	10		4.0	anr	
Phosphorus	50				
Potassium	5000		2000		
Selenium	10	20	5.0	anr	
Silicon	200				
Silver	5.0		2.0	anr	
Sodium	5000		1000	anr	
Strontium	10				
Sulfur	50				
Thallium	10		2.0		
Tin	10				
Titanium	10				
Tungsten	50				
Vanadium	50		2.0		

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA57400 Units: ug/l

Time:				14:30	
Sample ID:	CRI	CRIA	CRID	CRID2	
Metal	True	True	True	Results	% Rec
Zinc	20		10	anr	
Zirconium	10				

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 80 to 120 % Recovery Run ID: MA57400 Units: ug/l

Time:			11:44		11:49		14:04		14:09	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	491000	98.2	476000	95.2	479000	95.8	479000	95.8
Antimony		1000	0.800		1070	107.0	2.90		1060	106.0
Arsenic		1000	-1.60		993	99.3	-0.800		987	98.7
Barium		500	-1.70		474	94.8	-1.50		473	94.6
Beryllium		500	-0.700		469	93.8	-0.700		465	93.0
Bismuth		500	10.1		537	107.4	9.10		532	106.4
Boron		500	-4.40		477	95.4	-5.90		474	94.8
Cadmium		1000	-0.800		974	97.4	-0.700		967	96.7
Calcium	400000	400000	372000	93.0	367000	91.8	369000	92.3	363000	90.8
Cerium			-27.9		-26.0		-22.4		-23.8	
Chromium		500	-1.50		455	91.0	-1.30		461	92.2
Cobalt		500	2.40		463	92.6	2.60		461	92.2
Copper		500	2.00		501	100.2	0.300		504	100.8
Iron	200000	200000	185000	92.5	184000	92.0	183000	91.5	182000	91.0
Lead		1000	1.40		892	89.2	0.900		891	89.1
Lithium		500	3.10		534	106.8	1.70		533	106.6
Magnesium	500000	500000	473000	94.6	471000	94.2	470000	94.0	468000	93.6
Manganese		500	-4.40		485	97.0	-4.40		488	97.6
Molybdenum		500	-1.10		482	96.4	-1.80		482	96.4
Nickel		1000	0.100		934	93.4	0.00		932	93.2
Phosphorus		500	-9.80		462	92.4	-10.2		458	91.6
Potassium			-4.50		-43.7		-130		-75.3	
Selenium		1000	-2.90		971	97.1	-0.700		961	96.1
Silicon		500	-8.70		536	107.2	-12.3		535	107.0
Silver		1000	-0.100		1040	104.0	-0.500		1050	105.0
Sodium			83.5		84.5		38.7		27.7	
Strontium		500	-0.500		475	95.0	-0.600		468	93.6
Sulfur		500	-8.70		487	97.4	-8.10		475	95.0
Thallium		1000	-1.70		934	93.4	-1.10		929	92.9
Tin		500	-2.60		484	96.8	-2.20		487	97.4
Titanium		500	-0.200		556	111.2	0.00		557	111.4
Tungsten		500	4.50		458	91.6	6.60		460	92.0
Vanadium		500	-2.40		480	96.0	-1.60		482	96.4

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD112724M1.ICP Date Analyzed: 11/27/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 80 to 120 % Recovery Run ID: MA57400 Units: ug/l

Time:			11:44		11:49		14:04		14:09	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Zinc		1000	-3.70		905	90.5	-3.80		902	90.2
Zirconium		500	-2.70		416	83.2	-3.80		428	85.6

(*) Outside of QC limits
(anr) Analyte not requested

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H8121624S1.CSV Date Analyzed: 12/16/24 Methods: SW846 7471B
Analyst: MK Run ID: MA57503
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:10	MA57503-STD1	1		b=1.0579e-004,c=4.3503e-002,rho=0.9997173
10:11	MA57503-STD2	1		STDB
10:13	MA57503-STD3	1		STDC
10:14	MA57503-STD4	1		STDD
10:16	MA57503-STD5	1		STDE
10:18	MA57503-STD6	1		STDF
10:21	ZZZZZZ	1		
10:22	MA57503-ICV1	1		
10:24	MA57503-ICB1	1		
10:26	MA57503-CCV1	1		
10:27	MA57503-CCB1	1		
10:29	MA57503-CRI1	1		
10:30	MP51636-MB1	1		
10:32	MP51636-B1	1		
10:33	MP51636-S1	1		
10:35	MP51636-S2	1		
10:37	JE2433-1	1		(sample used for QC only; not part of login JE1300)
10:39	ZZZZZZ	1		
10:40	ZZZZZZ	1		
10:42	ZZZZZZ	1		
10:43	MA57503-CCV2	1		
10:45	MA57503-CCB2	1		
10:47	ZZZZZZ	1		
10:48	ZZZZZZ	1		
10:50	ZZZZZZ	1		
10:51	ZZZZZZ	1		
10:53	ZZZZZZ	1		
10:54	ZZZZZZ	1		
10:56	ZZZZZZ	1		
10:57	ZZZZZZ	1		
10:59	MA57503-CCV3	1		
11:00	MA57503-CCB3	1		
11:02	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H8121624S1.CSV Date Analyzed: 12/16/24 Methods: SW846 7471B
Analyst: MK Run ID: MA57503
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:04	ZZZZZZ	1		
11:06	ZZZZZZ	1		
11:07	ZZZZZZ	1		
11:09	ZZZZZZ	1		
11:11	ZZZZZZ	1		
11:12	ZZZZZZ	1		
11:14	ZZZZZZ	1		
11:15	MA57503-CCV4	1		
11:17	MA57503-CCB4	1		
11:19	MP51637-MB1	1		
11:20	MP51637-B1	1		
11:22	MP51637-S1	1		
11:24	MP51637-S2	1		
11:25	JE2462-10	1		(sample used for QC only; not part of login JE1300)
11:27	ZZZZZZ	1		
11:29	ZZZZZZ	1		
11:30	ZZZZZZ	1		
11:32	MA57503-CCV5	1		
11:33	MA57503-CCB5	1		
11:35	ZZZZZZ	1		
11:36	ZZZZZZ	1		
11:38	ZZZZZZ	1		
11:43	ZZZZZZ	1		
11:44	ZZZZZZ	1		
11:46	ZZZZZZ	1		
11:47	ZZZZZZ	1		
11:49	ZZZZZZ	1		
11:51	MA57503-CCV6	1		
11:52	MA57503-CCB6	1		
11:54	ZZZZZZ	1		
11:56	ZZZZZZ	1		
11:57	ZZZZZZ	1		
11:59	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H8121624S1.CSV Date Analyzed: 12/16/24 Methods: SW846 7471B
Analyst: MK Run ID: MA57503
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:01	ZZZZZZ	1		
12:03	ZZZZZZ	1		
12:04	ZZZZZZ	1		
12:06	MA57503-CCV7	1		
12:07	MA57503-CCB7	1		
12:09	MP51638-MB1	1		
12:11	MP51638-B1	1		
12:12	MP51638-S1	1		
12:14	MP51638-S2	1		
12:16	JE2393-3	1		(sample used for QC only; not part of login JE1300)
12:18	ZZZZZZ	1		
12:19	ZZZZZZ	1		
12:20	ZZZZZZ	1		
12:22	MA57503-CCV8	1		
12:24	MA57503-CCB8	1		
12:25	ZZZZZZ	1		
12:27	ZZZZZZ	1		
12:28	ZZZZZZ	1		
12:30	ZZZZZZ	1		
12:32	ZZZZZZ	1		
12:33	ZZZZZZ	1		
12:35	ZZZZZZ	1		
12:36	ZZZZZZ	1		
12:38	MA57503-CCV9	1		
12:39	MA57503-CCB9	1		
12:41	ZZZZZZ	1		
12:43	ZZZZZZ	1		
12:44	ZZZZZZ	1		
12:46	ZZZZZZ	1		
12:47	ZZZZZZ	1		
12:49	JE1300-38U	1		
12:51	ZZZZZZ	50		
12:52	ZZZZZZ	10		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H8121624S1.CSV Date Analyzed: 12/16/24 Methods: SW846 7471B
Analyst: MK Run ID: MA57503
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:54	MA57503-CCV10	1		
12:56	MA57503-CCB10	1		
12:58	ZZZZZZ	5		
12:59	JE1300-38U	2		
---------->	Last reportable sample/prep for job JE1300			
13:01	MA57503-CCV11	1		
13:03	MA57503-CCB11	1		
---------->	Last reportable CCB for job JE1300			

Refer to raw data for calibration curve and standards.

REPORTED ELEMENTS SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H8121624S1.CSV Date Analyzed: 12/16/24 Methods: SW846 7471B
Analyst: MK Run ID: MA57503
Parameters: Hg

Time	Sample Description	Element: Dilution	Hg	
10:21	ZZZZZZ	1		
10:22	MA57503-ICV1	1	X	
10:24	MA57503-ICB1	1	X	
10:26	MA57503-CCV1	1	X	
10:27	MA57503-CCB1	1	X	
10:29	MA57503-CRI1	1	X	
10:30	MP51636-MB1	1	X	
10:32	MP51636-B1	1	X	
10:33	MP51636-S1	1	X	
10:35	MP51636-S2	1	X	
10:37	JE2433-1	1	X	(a)
10:39	ZZZZZZ	1		
10:40	ZZZZZZ	1		
10:42	ZZZZZZ	1		
10:43	MA57503-CCV2	1	X	
10:45	MA57503-CCB2	1	X	
10:47	ZZZZZZ	1		
10:48	ZZZZZZ	1		
10:50	ZZZZZZ	1		
10:51	ZZZZZZ	1		
10:53	ZZZZZZ	1		
10:54	ZZZZZZ	1		
10:56	ZZZZZZ	1		
10:57	ZZZZZZ	1		
10:59	MA57503-CCV3	1	X	
11:00	MA57503-CCB3	1	X	
11:02	ZZZZZZ	1		
11:04	ZZZZZZ	1		
11:06	ZZZZZZ	1		
11:07	ZZZZZZ	1		
11:09	ZZZZZZ	1		
11:11	ZZZZZZ	1		
11:12	ZZZZZZ	1		
		Element:	Hg	

REPORTED ELEMENTS SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H8121624S1.CSV Date Analyzed: 12/16/24 Methods: SW846 7471B
Analyst: MK Run ID: MA57503
Parameters: Hg

Time	Sample Description	Element: Dilution	Hg	
11:14	ZZZZZZ	1		
11:15	MA57503-CCV4	1	X	
11:17	MA57503-CCB4	1	X	
11:19	MP51637-MB1	1	X	
11:20	MP51637-B1	1	X	
11:22	MP51637-S1	1	X	
11:24	MP51637-S2	1	X	
11:25	JE2462-10	1	X	(a)
11:27	ZZZZZZ	1		
11:29	ZZZZZZ	1		
11:30	ZZZZZZ	1		
11:32	MA57503-CCV5	1	X	
11:33	MA57503-CCB5	1	X	
11:35	ZZZZZZ	1		
11:36	ZZZZZZ	1		
11:38	ZZZZZZ	1		
11:43	ZZZZZZ	1		
11:44	ZZZZZZ	1		
11:46	ZZZZZZ	1		
11:47	ZZZZZZ	1		
11:49	ZZZZZZ	1		
11:51	MA57503-CCV6	1	X	
11:52	MA57503-CCB6	1	X	
11:54	ZZZZZZ	1		
11:56	ZZZZZZ	1		
11:57	ZZZZZZ	1		
11:59	ZZZZZZ	1		
12:01	ZZZZZZ	1		
12:03	ZZZZZZ	1		
12:04	ZZZZZZ	1		
12:06	MA57503-CCV7	1	X	
12:07	MA57503-CCB7	1	X	
12:09	MP51638-MB1	1	X	
		Element:	Hg	

REPORTED ELEMENTS SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H8121624S1.CSV Date Analyzed: 12/16/24 Methods: SW846 7471B
Analyst: MK Run ID: MA57503
Parameters: Hg

Time	Sample Description	Element: Dilution	Hg	
12:11	MP51638-B1	1	X	
12:12	MP51638-S1	1	X	
12:14	MP51638-S2	1	X	
12:16	JE2393-3	1	X	(a)
12:18	ZZZZZZ	1		
12:19	ZZZZZZ	1		
12:20	ZZZZZZ	1		
12:22	MA57503-CCV8	1	X	
12:24	MA57503-CCB8	1	X	
12:25	ZZZZZZ	1		
12:27	ZZZZZZ	1		
12:28	ZZZZZZ	1		
12:30	ZZZZZZ	1		
12:32	ZZZZZZ	1		
12:33	ZZZZZZ	1		
12:35	ZZZZZZ	1		
12:36	ZZZZZZ	1		
12:38	MA57503-CCV9	1	X	
12:39	MA57503-CCB9	1	X	
12:41	ZZZZZZ	1		
12:43	ZZZZZZ	1		
12:44	ZZZZZZ	1		
12:46	ZZZZZZ	1		
12:47	ZZZZZZ	1		
12:49	JE1300-38U	1		
12:51	ZZZZZZ	50		
12:52	ZZZZZZ	10		
12:54	MA57503-CCV10	1	X	
12:56	MA57503-CCB10	1	X	
12:58	ZZZZZZ	5		
12:59	JE1300-38U	2	X	
13:01	MA57503-CCV11	1	X	
13:03	MA57503-CCB11	1	X	
		Element:	Hg	

REPORTED ELEMENTS SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H8121624S1.CSV Date Analyzed: 12/16/24 Methods: SW846 7471B
Analyst: MK Run ID: MA57503
Parameters: Hg

Time	Sample Description	Element: Dilution	H g

(a) Sample used for QC only; not part of login JE1300.

Element: H
g

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H8121624S1.CSV Date Analyzed: 12/16/24 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA57503 Units: ug/l

Time:			10:24		10:27		10:45		11:00	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.013	-0.0411	<0.20	-0.0500	<0.20	-0.0496	<0.20	-0.0458	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H8121624S1.CSV Date Analyzed: 12/16/24 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA57503 Units: ug/l

Time: / Sample ID:			11:17 CCB4		11:33 CCB5		11:52 CCB6		12:07 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.013	-0.0469	<0.20	-0.0375	<0.20	-0.0796	<0.20	-0.0307	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H8121624S1.CSV Date Analyzed: 12/16/24 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA57503 Units: ug/l

Time: / Sample ID:			12:24 CCB8		12:39 CCB9		12:56 CCB10		13:03 CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.013	-0.0660	<0.20	-0.0751	<0.20	-0.0303	<0.20	-0.0455	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H8121624S1.CSV Date Analyzed: 12/16/24 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA57503 Units: ug/l

Time:		10:22			10:26			10:43	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	3	3.05	101.7	2.5	2.54	101.6	2.5	2.53	101.2

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H8121624S1.CSV Date Analyzed: 12/16/24 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA57503 Units: ug/l

Time:		10:59			11:15			11:32	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.53	101.2	2.5	2.55	102.0	2.5	2.52	100.8

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H8121624S1.CSV Date Analyzed: 12/16/24 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA57503 Units: ug/l

Time:		11:51			12:06			12:22	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.53	101.2	2.5	2.56	102.4	2.5	2.57	102.8

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H8121624S1.CSV Date Analyzed: 12/16/24 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA57503 Units: ug/l

Time:		12:38			12:54			13:01	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.56	102.4	2.5	2.60	104.0	2.5	2.50	100.0

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H8121624S1.CSV Date Analyzed: 12/16/24 Methods: SW846 7471B
QC Limits: 70 to 130 % Recovery Run ID: MA57503 Units: ug/l

Time:			10:29	
Sample ID:	CRI	CRIA	CRI1	
Metal	True	True	Results	% Rec
Mercury	0.20		0.206	103.0

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51147
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 11/26/24

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	27	150	2.6	<200
Antimony	6.0	2.2	4.7	0.40	<6.0
Arsenic	3.0	1.3	2.8	0.0	<3.0
Barium	200	1	13	0.50	<200
Beryllium	1.0	.2	.5	0.0	<1.0
Bismuth	20	2.1	8.6		
Boron	100	1	10		
Cadmium	3.0	.2	1	0.0	<3.0
Calcium	5000	7.7	99	24.5	<5000
Cerium	100				
Chromium	10	.5	2	0.0	<10
Cobalt	50	.4	2.6	0.0	<50
Copper	10	6.8	5.9	7.4	<10 (a)
Iron	100	15	32	26.3	<100
Lead	3.0	1.6	1.8	0.40	<3.0
Lithium	50	3.7	7.3		
Magnesium	5000	54	140	-3.3	<5000
Manganese	15	.1	1.4	0.30	<15
Molybdenum	20	.5	3.6		
Nickel	10	.3	1.7	1.4	<10
Phosphorus	50	1.8	18		
Potassium	10000	77	200	67.9	<10000
Selenium	10	2	4.9	0.50	<10
Silicon	200	1.3	32		
Silver	10	.9	6.1	0.40	<10
Sodium	10000	23	570	13.2	<10000
Strontium	10	.4	2.7		
Sulfur	50	4.1	45		
Thallium	10	1.6	1.8	0.10	<10
Tin	10	.9	3.7		
Titanium	10	.9	2.5		
Tungsten	50	2	40		
Vanadium	50	.8	1.8	0.40	<50

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51147 Methods: SW846 6010D
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 11/26/24

Metal	RL	IDL	MDL	MB raw	final
Zinc	20	.2	6.9	2.9	<20
Zirconium	10	.5	4.1		

Associated samples MP51147: JE1300-51

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) All reported results >10x MB value or with RL> 2X of this value.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51147
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 11/26/24

Metal	JE1240-2 Original	MS	Spikelot MPSPK2	% Rec	QC Limits
Aluminum	0.00	25400	25000	101.6	75-125
Antimony	2.6	2060	2000	102.9	75-125
Arsenic	0.0	1990	2000	99.5	75-125
Barium	43.6	1950	2000	95.3	75-125
Beryllium	0.0	1870	2000	93.5	75-125
Bismuth					
Boron					
Cadmium	0.0	1930	2000	96.5	75-125
Calcium	55200	80600	25000	119.6	75-125
Cerium					
Chromium	0.0	1840	2000	92.0	75-125
Cobalt	6.1	1960	2000	97.7	75-125
Copper	13.2	2090	2000	103.8	75-125
Iron	0.00	24400	25000	97.6	75-125
Lead	0.0	1960	2000	98.0	75-125
Lithium					
Magnesium	12200	37000	25000	99.2	75-125
Manganese	14.8	1890	2000	93.8	75-125
Molybdenum					
Nickel	3.3	1950	2000	97.3	75-125
Phosphorus					
Potassium	1880	27500	25000	102.5	75-125
Selenium	0.0	1990	2000	99.5	75-125
Silicon					
Silver	1.1	240	250	95.6	75-125
Sodium	50500	76300	25000	114.8	75-125
Strontium					
Sulfur					
Thallium	0.0	1950	2000	97.5	75-125
Tin					
Titanium					
Tungsten					
Vanadium	0.0	1900	2000	95.0	75-125

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51147
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 11/26/24

Metal	JE1240-2 Original	MS	Spikelot MPSPK2	% Rec	QC Limits
Zinc	20.8	1940	2000	96.0	75-125
Zirconium					

Associated samples MP51147: JE1300-51

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51147
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 11/26/24

Metal	JE1240-2 Original	MSD	Spikelot MPSPK2	% Rec	MSD RPD	QC Limit
Aluminum	0.00	23600	25000	94.4	7.3	20
Antimony	2.6	2110	2000	105.4	2.4	20
Arsenic	0.0	2040	2000	102.0	2.5	20
Barium	43.6	1950	2000	95.3	0.0	20
Beryllium	0.0	1820	2000	91.0	2.7	20
Bismuth						
Boron						
Cadmium	0.0	1960	2000	98.0	1.5	20
Calcium	55200	76000	25000	101.2	5.9	20
Cerium						
Chromium	0.0	1830	2000	91.5	0.5	20
Cobalt	6.1	2030	2000	101.2	3.5	20
Copper	13.2	2060	2000	102.3	1.4	20
Iron	0.00	24500	25000	98.0	0.4	20
Lead	0.0	2030	2000	101.5	3.5	20
Lithium						
Magnesium	12200	37400	25000	100.8	1.1	20
Manganese	14.8	1760	2000	87.3	7.1	20
Molybdenum						
Nickel	3.3	2000	2000	99.8	2.5	20
Phosphorus						
Potassium	1880	25600	25000	94.9	7.2	20
Selenium	0.0	2060	2000	103.0	3.5	20
Silicon						
Silver	1.1	247	250	98.4	2.9	20
Sodium	50500	74300	25000	106.8	2.7	20
Strontium						
Sulfur						
Thallium	0.0	1990	2000	99.5	2.0	20
Tin						
Titanium						
Tungsten						
Vanadium	0.0	1910	2000	95.5	0.5	20

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51147 Methods: SW846 6010D
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 11/26/24

Metal	JE1240-2 Original	MSD	Spikelot MPSPK2	% Rec	MSD RPD	QC Limit
Zinc	20.8	1970	2000	97.5	1.5	20
Zirconium						

Associated samples MP51147: JE1300-51

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51147
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date:			11/26/24					11/26/24	
Metal	BSP Result	Spikelot MPSPK2	% Rec	QC Limits	BSD Result	Spikelot MPSPK2	% Rec	BSD RPD	QC Limit
Aluminum	23400	25000	93.6	80-120	25700	25000	102.8	9.4	20
Antimony	2060	2000	103.0	80-120	2020	2000	101.0	2.0	20
Arsenic	1960	2000	98.0	80-120	1930	2000	96.5	1.5	20
Barium	1870	2000	93.5	80-120	1930	2000	96.5	3.2	20
Beryllium	1790	2000	89.5	80-120	1890	2000	94.5	5.4	20
Bismuth									
Boron									
Cadmium	1930	2000	96.5	80-120	1920	2000	96.0	0.5	20
Calcium	23900	25000	95.6	80-120	25500	25000	102.0	6.5	20
Cerium									
Chromium	1890	2000	94.5	80-120	1810	2000	90.5	4.3	20
Cobalt	1960	2000	98.0	80-120	1910	2000	95.5	2.6	20
Copper	1900	2000	95.0	80-120	1790	2000	89.5	6.0	20
Iron	24300	25000	97.2	80-120	24200	25000	96.8	0.4	20
Lead	1970	2000	98.5	80-120	1910	2000	95.5	3.1	20
Lithium									
Magnesium	24600	25000	98.4	80-120	24300	25000	97.2	1.2	20
Manganese	1840	2000	92.0	80-120	1890	2000	94.5	2.7	20
Molybdenum									
Nickel	1950	2000	97.5	80-120	1910	2000	95.5	2.1	20
Phosphorus									
Potassium	23300	25000	93.2	80-120	25600	25000	102.4	9.4	20
Selenium	1980	2000	99.0	80-120	1920	2000	96.0	3.1	20
Silicon									
Silver	251	250	100.4	80-120	227	250	90.8	10.0	20
Sodium	25300	25000	101.2	80-120	26100	25000	104.4	3.1	20
Strontium									
Sulfur									
Thallium	1970	2000	98.5	80-120	1940	2000	97.0	1.5	20
Tin									
Titanium									
Tungsten									
Vanadium	1960	2000	98.0	80-120	1850	2000	92.5	5.8	20

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51147
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date:			11/26/24					11/26/24	
Metal	BSP Result	Spikelot MPSPK2	% Rec	QC Limits	BSD Result	Spikelot MPSPK2	% Rec	BSD RPD	QC Limit
Zinc	1950	2000	97.5	80-120	1930	2000	96.5	1.0	20
Zirconium									

Associated samples MP51147: JE1300-51

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51147
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 11/26/24

Metal	JE1240-2 Original	SDL 1:5	%DIF	QC Limits
Aluminum	0.00	0.00	NC	0-10
Antimony	2.60	0.00	100.0(a)	0-10
Arsenic	0.00	0.00	NC	0-10
Barium	43.6	47.2	8.3	0-10
Beryllium	0.00	0.00	NC	0-10
Bismuth				
Boron				
Cadmium	0.00	0.00	NC	0-10
Calcium	55200	53400	5.2	0-10
Cerium				
Chromium	0.00	0.00	NC	0-10
Cobalt	6.10	12.8	113.3(a)	0-10
Copper	13.2	0.00	100.0(a)	0-10
Iron	0.00	0.00	NC	0-10
Lead	0.00	0.00	NC	0-10
Lithium				
Magnesium	12200	12500	2.2	0-10
Manganese	14.8	15.8	6.8	0-10
Molybdenum				
Nickel	3.30	6.10	84.8 (a)	0-10
Phosphorus				
Potassium	1880	2350	25.0 (a)	0-10
Selenium	0.00	0.00	NC	0-10
Silicon				
Silver	1.10	0.00	100.0(a)	0-10
Sodium	50500	49900	4.9	0-10
Strontium				
Sulfur				
Thallium	0.00	0.00	NC	0-10
Tin				
Titanium				
Tungsten				
Vanadium	0.00	0.00	NC	0-10

SERIAL DILUTION RESULTS SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51147
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 11/26/24

Metal	JE1240-2 Original	SDL 1:5	%DIF	QC Limits
Zinc	20.8	16.0	23.1*(b)	0-10
Zirconium				

Associated samples MP51147: JE1300-51

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
(b) Serial dilution indicates possible matrix interference.

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51190 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 11/26/24

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.20	.04	.095	0.0042	<0.20

Associated samples MP51190: JE1300-51

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51190 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 11/26/24

Metal	JE1208-1 Original	MS	Spikelot HGPW3	% Rec	QC Limits
Mercury	0.0	2.1	2	105.0	75-125

Associated samples MP51190: JE1300-51

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51190 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 11/26/24

Metal	JE1208-1 Original	MSD	Spikelot HGPW3	% Rec	MSD RPD	QC Limit
Mercury	0.0	2.1	2	105.0	0.0	20

Associated samples MP51190: JE1300-51

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51190
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 11/26/24

Metal	BSP Result	Spikelot HGPW3	% Rec	QC Limits
Mercury	2.1	2	105.0	80-120

Associated samples MP51190: JE1300-51

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51193 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 11/26/24

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.033	.0022	.015	0.0019	<0.033

Associated samples MP51193: JE1300-33, JE1300-35, JE1300-37, JE1300-39

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51193
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 11/26/24

Metal	JE1272-1 Original	MS	Spikelot HGPWS1	% Rec	QC Limits
Mercury	0.011	0.42	0.352	116.1	80-120

Associated samples MP51193: JE1300-33, JE1300-35, JE1300-37, JE1300-39

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51193 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 11/26/24

Metal	JE1272-1 Original	MSD	Spikelot HGPWS1	% Rec	MSD RPD	QC Limit
Mercury	0.011	0.42	0.35	116.7	0.0	20

Associated samples MP51193: JE1300-33, JE1300-35, JE1300-37, JE1300-39

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51193
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 11/26/24

Metal	BSP Result	Spikelot HGPWS1	% Rec	QC Limits
Mercury	0.36	0.333	108.0	80-120

Associated samples MP51193: JE1300-33, JE1300-35, JE1300-37, JE1300-39

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51194 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 11/26/24

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.033	.0022	.015	0.0024	<0.033

Associated samples MP51194: JE1300-41, JE1300-43

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51194 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 11/26/24

Metal	JE1300-41 Original	MS	Spikelot HGPWS1	% Rec	QC Limits
Mercury	0.17	0.55	0.316	120.3N(a	80-120

Associated samples MP51194: JE1300-41, JE1300-43

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51194 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 11/26/24

Metal	JE1300-41 Original	MSD	Spikelot HGPWS1	% Rec	MSD RPD	QC Limit
Mercury	0.17	0.43	0.316	82.3	24.5 (a)	20

Associated samples MP51194: JE1300-41, JE1300-43

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) High rpd due to possible sample nonhomogeneity.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51194
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 11/26/24

Metal	BSP Result	Spikelot HGPWS1	% Rec	QC Limits
Mercury	0.33	0.333	99.0	80-120

Associated samples MP51194: JE1300-41, JE1300-43

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

POST DIGESTATE SPIKE SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51194
Matrix Type: SOLID

Methods: SW846 7471B
Units: ug/l

Prep Date: 11/26/24

Metal	Sample ml	Final ml	JE1300-41 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Mercury	49	50	1.078	1.05644	2.8286	1	100	2000	86.0	85-115

Associated samples MP51194: JE1300-41, JE1300-43

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51638 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 12/13/24

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.033	.0022	.015	-0.0049	<0.033

Associated samples MP51638: JE1300-38U

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51638 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 12/13/24

Metal	JE2393-3 Original	MS	Spikelot HGPWS1	% Rec	QC Limits
Mercury	0.0023	0.33	0.301	108.7	80-120

Associated samples MP51638: JE1300-38U

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51638 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 12/13/24

Metal	JE2393-3 Original	MSD	Spikelot HGPWS1	% Rec	MSD RPD	QC Limit
Mercury	0.0023	0.34	0.301	112.2	3.0	20

Associated samples MP51638: JE1300-38U

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51638
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 12/13/24

Metal	BSP Result	Spikelot HGPWS1	% Rec	QC Limits
Mercury	0.34	0.333	102.0	80-120

Associated samples MP51638: JE1300-38U

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries
- Instrument Runlogs/QC
- Percent Solids Raw Data Summary

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Cyanide	GP58071/GN62705	0.010	0.0	mg/l	0.2	0.220	110.0	90-110%

Associated Samples:
Batch GP58071: JE1300-51
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Cyanide	GP58071/GN62705	LB8853-1	mg/l	0.0	0.0087	200.0(a)	0-32%
Solids, Percent	GN62655	JE1300-1	%	94.9	95.5	0.6	0-10%
Solids, Percent	GN62656	JE1300-21	%	95	95.3	0.3	0-10%
Solids, Percent	GN62657	JE737-1	%	88	87.9	0.1	0-10%

Associated Samples:
Batch GN62655: JE1300-1, JE1300-2, JE1300-3, JE1300-4, JE1300-5, JE1300-6, JE1300-7, JE1300-8, JE1300-9, JE1300-10, JE1300-11, JE1300-12, JE1300-13, JE1300-14, JE1300-15, JE1300-16, JE1300-17, JE1300-18, JE1300-19, JE1300-20
Batch GN62656: JE1300-21, JE1300-22, JE1300-23, JE1300-24, JE1300-25, JE1300-26, JE1300-27, JE1300-28, JE1300-29, JE1300-30, JE1300-31, JE1300-32, JE1300-33, JE1300-34, JE1300-35, JE1300-36, JE1300-37, JE1300-38, JE1300-39, JE1300-40
Batch GN62657: JE1300-41, JE1300-42, JE1300-43, JE1300-44, JE1300-45, JE1300-46, JE1300-47, JE1300-48, JE1300-49, JE1300-50
Batch GP58071: JE1300-51
(*) Outside of QC limits
(a) RPD acceptable due to low duplicate and sample concentrations.

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Cyanide	GP58071/GN62705	LB8853-1	mg/l	0.0	0.2	0.11	55.0N	90-110%

Associated Samples:
Batch GP58071: JE1300-51
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: E120224W1.CN Date Analyzed: 12/02/24 Methods: EPA 335.4/LACHAT, SW846 9012B/LACHAT
Analyst: SS Run ID: GN62705
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:15	GN62705-STD1	1		STDA
19:17	GN62705-STD2	1		STDC
19:18	GN62705-STD3	1		STDD
19:19	GN62705-STD4	1		STDB
19:19	GN62705-STD5	1		STDE
19:20	GN62705-STD6	1		STDF
19:21	GN62705-STD7	1		STDG
19:22	GN62705-ICV1	1		
19:23	GN62705-ICB1	1		
19:25	GN62705-CCV1	1		
19:26	GN62705-CCB1	1		
19:27	GP58071-MB1	1		
19:28	GP58071-S2	1		
19:29	GP58071-S1	1		
19:30	GP58071-B1	1		
19:30	GP58071-D1	1		
19:31	LB8853-1	1		(sample used for QC only; not part of login JE1300)
19:32	ZZZZZZ	1		
19:33	ZZZZZZ	1		
19:34	LB8957-1	1		(sample used for QC only; not part of login JE1300)
19:35	ZZZZZZ	1		
19:36	GN62705-CCV2	1		
19:37	GN62705-CCB2	1		
19:38	ZZZZZZ	1		
19:39	ZZZZZZ	1		
19:40	JE1300-51	1		
19:41	ZZZZZZ	1		
19:42	ZZZZZZ	1		
19:42	ZZZZZZ	1		
19:43	ZZZZZZ	1		
19:44	GP58070-MB1	1		
19:46	GP58070-S1	1		
19:47	GN62705-CCV3	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: E120224W1.CN Date Analyzed: 12/02/24 Methods: EPA 335.4/LACHAT, SW846 9012B/LACHAT
Analyst: SS Run ID: GN62705
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:48	GN62705-CCB3	1		
19:50	GP58070-S2	1		
19:51	GP58070-D1	1		
19:52	JE1249-1	1		(sample used for QC only; not part of login JE1300)
19:53	ZZZZZZ	1		
19:54	GP58070-B1	1		
19:55	ZZZZZZ	1		
19:56	ZZZZZZ	1		
19:57	ZZZZZZ	1		
19:58	GN62705-CCV4	1		
19:59	GN62705-CCB4	1		
20:00	ZZZZZZ	1		
20:01	ZZZZZZ	1		
20:02	ZZZZZZ	1		
20:03	JE1384-8A	1		(sample used for QC only; not part of login JE1300)
20:04	ZZZZZZ	1		
20:04	ZZZZZZ	1		
20:05	ZZZZZZ	1		
20:06	ZZZZZZ	1		
20:07	ZZZZZZ	1		
20:08	ZZZZZZ	1		
20:09	GN62705-CCV5	1		
20:10	GN62705-CCB5	1		
20:11	ZZZZZZ	1		
20:12	ZZZZZZ	1		
20:13	ZZZZZZ	1		
20:14	ZZZZZZ	1		
20:15	ZZZZZZ	1		
20:16	GP58097-MB1	1		
20:16	GP58097-B1	1		
20:17	GP58097-S1	1		
20:18	GP58097-S2	1		
20:19	GP58097-D1	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: E120224W1.CN Date Analyzed: 12/02/24 Methods: EPA 335.4/LACHAT, SW846 9012B/LACHAT
Analyst: SS Run ID: GN62705
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:20	GN62705-CCV6	1		
20:21	GN62705-CCB6	1		
20:22	ZZZZZZ	1		
20:23	JE1389-4A	1		(sample used for QC only; not part of login JE1300)
20:24	ZZZZZZ	1		
20:25	ZZZZZZ	1		
20:26	ZZZZZZ	1		
20:27	ZZZZZZ	1		
20:27	ZZZZZZ	1		
20:28	ZZZZZZ	1		
20:29	ZZZZZZ	1		
20:30	JE1493-7	1		(sample used for QC only; not part of login JE1300)
20:31	GN62705-CCV7	1		
20:32	GN62705-CCB7	1		
20:33	ZZZZZZ	1		
20:34	ZZZZZZ	1		
20:35	ZZZZZZ	1		
20:36	ZZZZZZ	1		
20:37	ZZZZZZ	1		
20:38	ZZZZZZ	1		
20:39	ZZZZZZ	1		
20:39	ZZZZZZ	1		
20:40	ZZZZZZ	1		
20:41	ZZZZZZ	1		
20:42	GN62705-CCV8	1		
20:43	GN62705-CCB8	1		
20:44	GP58098-MB1	1		
20:45	GP58098-B1	1		
20:46	GP58098-S1	1		
20:47	GP58098-D1	1		
20:48	ZZZZZZ	1		
20:49	ZZZZZZ	1		
20:50	JE1449-1	1		(sample used for QC only; not part of login JE1300)

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: E120224W1.CN Date Analyzed: 12/02/24 Methods: EPA 335.4/LACHAT, SW846 9012B/LACHAT
Analyst: SS Run ID: GN62705
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
21:01	GN62705-CCV9	1		
21:03	GN62705-CCB9	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: JE1300
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: E120224W1.CN Date Analyzed: 12/02/24 Methods: EPA 335.4/LACHAT, SW846 9012B/LACHAT
Run ID: GN62705 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN62705-ICV1	Cyanide	0.281	0.010	0.0041	.3	93.7	90-110
GN62705-ICB1	Cyanide	0.0041 U	0.010	0.0041			
GN62705-CCV1	Cyanide	0.374	0.010	0.0041	.4	93.5	90-110
GN62705-CCB1	Cyanide	0.00681	0.010	0.0041			
GN62705-CCV2	Cyanide	0.360	0.010	0.0041	.4	90.0	90-110
GN62705-CCB2	Cyanide	0.00575	0.010	0.0041			
GN62705-CCV3	Cyanide	0.376	0.010	0.0041	.4	94.0	90-110
GN62705-CCB3	Cyanide	0.00414	0.010	0.0041			
GN62705-CCV4	Cyanide	0.379	0.010	0.0041	.4	94.8	90-110
GN62705-CCB4	Cyanide	-0.0110 <	0.010	0.0041			
GN62705-CCV5	Cyanide	0.378	0.010	0.0041	.4	94.5	90-110
GN62705-CCB5	Cyanide	-0.0115 <	0.010	0.0041			
GN62705-CCV6	Cyanide	0.378	0.010	0.0041	.4	94.5	90-110
GN62705-CCB6	Cyanide	-0.0124 <	0.010	0.0041			
GN62705-CCV7	Cyanide	0.376	0.010	0.0041	.4	94.0	90-110
GN62705-CCB7	Cyanide	-0.0122 <	0.010	0.0041			
GN62705-CCV8	Cyanide	0.378	0.010	0.0041	.4	94.5	90-110
GN62705-CCB8	Cyanide	-0.0123 <	0.010	0.0041			
GN62705-CCV9	Cyanide	0.405	0.010	0.0041	.4	101.3	90-110
GN62705-CCB9	Cyanide	-0.0111 <	0.010	0.0041			

(!) Outside of QC limits

Percent Solids Raw Data Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: JE1300-1 **Analyzed:** 01-DEC-24 by MS **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-18-N1

Wet Weight (Total)	26.74	g
Tare Weight	21.09	g
Dry Weight (Total)	26.45	g
Solids, Percent	94.9	%

Sample: JE1300-2 **Analyzed:** 01-DEC-24 by MS **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-18-N2

Wet Weight (Total)	33.38	g
Tare Weight	27.21	g
Dry Weight (Total)	33.13	g
Solids, Percent	95.9	%

Sample: JE1300-3 **Analyzed:** 01-DEC-24 by MS **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-18-S1

Wet Weight (Total)	36.47	g
Tare Weight	29.9	g
Dry Weight (Total)	35.75	g
Solids, Percent	89	%

Sample: JE1300-4 **Analyzed:** 01-DEC-24 by MS **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-18-S2

Wet Weight (Total)	25.72	g
Tare Weight	18.82	g
Dry Weight (Total)	25.31	g
Solids, Percent	94.1	%

Sample: JE1300-5 **Analyzed:** 01-DEC-24 by MS **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-18-E1

Wet Weight (Total)	33.5	g
Tare Weight	28.19	g
Dry Weight (Total)	33.29	g
Solids, Percent	96	%

Sample: JE1300-6 **Analyzed:** 01-DEC-24 by MS **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-18-E2

Wet Weight (Total)	32.17	g
Tare Weight	26.23	g
Dry Weight (Total)	31.67	g
Solids, Percent	91.6	%

Percent Solids Raw Data Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: JE1300-7 **Analyzed:** 01-DEC-24 by MS **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-18-W1

Wet Weight (Total)	38.23	g
Tare Weight	33	g
Dry Weight (Total)	37.68	g
Solids, Percent	89.5	%

Sample: JE1300-8 **Analyzed:** 01-DEC-24 by MS **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-18-W2

Wet Weight (Total)	23.91	g
Tare Weight	18.38	g
Dry Weight (Total)	23.4	g
Solids, Percent	90.8	%

Sample: JE1300-9 **Analyzed:** 01-DEC-24 by MS **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-4R

Wet Weight (Total)	33.06	g
Tare Weight	27.03	g
Dry Weight (Total)	32.41	g
Solids, Percent	89.2	%

Sample: JE1300-10 **Analyzed:** 01-DEC-24 by MS **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-4(2.0-2.5)

Wet Weight (Total)	28.28	g
Tare Weight	21.21	g
Dry Weight (Total)	28.05	g
Solids, Percent	96.7	%

Sample: JE1300-11 **Analyzed:** 01-DEC-24 by MS **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-4(2.5-3.0)

Wet Weight (Total)	36.96	g
Tare Weight	30.63	g
Dry Weight (Total)	36.82	g
Solids, Percent	97.8	%

Sample: JE1300-12 **Analyzed:** 01-DEC-24 by MS **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-4-N1

Wet Weight (Total)	30.59	g
Tare Weight	24.25	g
Dry Weight (Total)	29.87	g
Solids, Percent	88.6	%

Percent Solids Raw Data Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: JE1300-13 **Analyzed:** 01-DEC-24 by MS **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-4-N2

Wet Weight (Total)	35.48	g
Tare Weight	29.58	g
Dry Weight (Total)	34.44	g
Solids, Percent	82.4	%

Sample: JE1300-14 **Analyzed:** 01-DEC-24 by MS **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-4-S1

Wet Weight (Total)	34.91	g
Tare Weight	28.21	g
Dry Weight (Total)	34.49	g
Solids, Percent	93.7	%

Sample: JE1300-15 **Analyzed:** 01-DEC-24 by MS **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-4-S2

Wet Weight (Total)	26.92	g
Tare Weight	21.12	g
Dry Weight (Total)	26.6	g
Solids, Percent	94.5	%

Sample: JE1300-16 **Analyzed:** 01-DEC-24 by MS **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-4-E1

Wet Weight (Total)	31.09	g
Tare Weight	24.91	g
Dry Weight (Total)	30.69	g
Solids, Percent	93.5	%

Sample: JE1300-17 **Analyzed:** 01-DEC-24 by MS **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-4-E2

Wet Weight (Total)	31.45	g
Tare Weight	26.17	g
Dry Weight (Total)	30.97	g
Solids, Percent	90.9	%

Sample: JE1300-18 **Analyzed:** 01-DEC-24 by MS **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-4-W1

Wet Weight (Total)	24.77	g
Tare Weight	18.35	g
Dry Weight (Total)	23.98	g
Solids, Percent	87.7	%

Percent Solids Raw Data Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: JE1300-19 **Analyzed:** 01-DEC-24 by MS **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-4-W2

Wet Weight (Total)	34.63	g
Tare Weight	29.56	g
Dry Weight (Total)	33.95	g
Solids, Percent	86.6	%

Sample: JE1300-20 **Analyzed:** 01-DEC-24 by MS **Method:** SM2540 G 18TH ED MOD
ClientID: DUP-3

Wet Weight (Total)	36.67	g
Tare Weight	30.36	g
Dry Weight (Total)	36.32	g
Solids, Percent	94.5	%

Sample: JE1300-21 **Analyzed:** 01-DEC-24 by MS **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-11R

Wet Weight (Total)	26.46	g
Tare Weight	21.41	g
Dry Weight (Total)	26.21	g
Solids, Percent	95	%

Sample: JE1300-22 **Analyzed:** 01-DEC-24 by MS **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-11(2.0-2.5)

Wet Weight (Total)	31.34	g
Tare Weight	25.41	g
Dry Weight (Total)	31.03	g
Solids, Percent	94.8	%

Sample: JE1300-23 **Analyzed:** 01-DEC-24 by MS **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-11(2.5-3.0)

Wet Weight (Total)	33.95	g
Tare Weight	28.05	g
Dry Weight (Total)	33.5	g
Solids, Percent	92.4	%

Sample: JE1300-24 **Analyzed:** 01-DEC-24 by MS **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-11-N1

Wet Weight (Total)	40.47	g
Tare Weight	33.3	g
Dry Weight (Total)	40.01	g
Solids, Percent	93.6	%

Percent Solids Raw Data Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: JE1300-25 **Analyzed:** 01-DEC-24 by MS **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-11-N2

Wet Weight (Total)	34.54	g
Tare Weight	28.84	g
Dry Weight (Total)	34.18	g
Solids, Percent	93.7	%

Sample: JE1300-26 **Analyzed:** 01-DEC-24 by MS **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-11-S1

Wet Weight (Total)	39.84	g
Tare Weight	33.71	g
Dry Weight (Total)	39.48	g
Solids, Percent	94.1	%

Sample: JE1300-27 **Analyzed:** 01-DEC-24 by MS **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-11-S2

Wet Weight (Total)	35.05	g
Tare Weight	29.27	g
Dry Weight (Total)	34.57	g
Solids, Percent	91.7	%

Sample: JE1300-28 **Analyzed:** 01-DEC-24 by MS **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-11-E1

Wet Weight (Total)	31.03	g
Tare Weight	25.99	g
Dry Weight (Total)	30.7	g
Solids, Percent	93.5	%

Sample: JE1300-29 **Analyzed:** 01-DEC-24 by MS **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-11-E2

Wet Weight (Total)	33.8	g
Tare Weight	28.43	g
Dry Weight (Total)	33.43	g
Solids, Percent	93.1	%

Sample: JE1300-30 **Analyzed:** 01-DEC-24 by MS **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-11-W1

Wet Weight (Total)	32.6	g
Tare Weight	26.95	g
Dry Weight (Total)	32.22	g
Solids, Percent	93.3	%

Percent Solids Raw Data Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: JE1300-31 **Analyzed:** 01-DEC-24 by MS **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-11-W2

Wet Weight (Total)	36.88	g
Tare Weight	30.25	g
Dry Weight (Total)	36.39	g
Solids, Percent	92.6	%

Sample: JE1300-32 **Analyzed:** 01-DEC-24 by MS **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-10R

Wet Weight (Total)	32.68	g
Tare Weight	26.22	g
Dry Weight (Total)	32.13	g
Solids, Percent	91.5	%

Sample: JE1300-33 **Analyzed:** 01-DEC-24 by MS **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-10A(2.0-2.5)

Wet Weight (Total)	36.11	g
Tare Weight	30.69	g
Dry Weight (Total)	35.37	g
Solids, Percent	86.3	%

Sample: JE1300-34 **Analyzed:** 01-DEC-24 by MS **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-10A(2.5-3.0)

Wet Weight (Total)	33.36	g
Tare Weight	28.05	g
Dry Weight (Total)	32.57	g
Solids, Percent	85.1	%

Sample: JE1300-35 **Analyzed:** 01-DEC-24 by MS **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-10A-N1

Wet Weight (Total)	35.46	g
Tare Weight	29.92	g
Dry Weight (Total)	35.05	g
Solids, Percent	92.6	%

Sample: JE1300-36 **Analyzed:** 01-DEC-24 by MS **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-10A-N2

Wet Weight (Total)	32.41	g
Tare Weight	26.53	g
Dry Weight (Total)	31.98	g
Solids, Percent	92.7	%

Percent Solids Raw Data Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: JE1300-37 **Analyzed:** 01-DEC-24 by MS **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-10A-S1

Wet Weight (Total)	33	g
Tare Weight	27.02	g
Dry Weight (Total)	32.11	g
Solids, Percent	85.1	%

Sample: JE1300-38 **Analyzed:** 01-DEC-24 by MS **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-10A-S2

Wet Weight (Total)	36.36	g
Tare Weight	31.11	g
Dry Weight (Total)	35.42	g
Solids, Percent	82.1	%

Sample: JE1300-39 **Analyzed:** 01-DEC-24 by MS **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-10A-E1

Wet Weight (Total)	36.52	g
Tare Weight	30.48	g
Dry Weight (Total)	36.09	g
Solids, Percent	92.9	%

Sample: JE1300-40 **Analyzed:** 01-DEC-24 by MS **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-10A-E2

Wet Weight (Total)	36.08	g
Tare Weight	30.22	g
Dry Weight (Total)	35.58	g
Solids, Percent	91.5	%

Sample: JE1300-41 **Analyzed:** 01-DEC-24 by MS **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-10A-W1

Wet Weight (Total)	38	g
Tare Weight	31.29	g
Dry Weight (Total)	37.45	g
Solids, Percent	91.8	%

Sample: JE1300-42 **Analyzed:** 01-DEC-24 by MS **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-10A-W2

Wet Weight (Total)	27.05	g
Tare Weight	21.4	g
Dry Weight (Total)	26.6	g
Solids, Percent	92	%

Percent Solids Raw Data Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: JE1300-43 **Analyzed:** 01-DEC-24 by MS **Method:** SM2540 G 18TH ED MOD
ClientID: DUP-5

Wet Weight (Total)	34.37	g
Tare Weight	28.57	g
Dry Weight (Total)	33.57	g
Solids, Percent	86.2	%

Sample: JE1300-44 **Analyzed:** 01-DEC-24 by MS **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-21R

Wet Weight (Total)	30.95	g
Tare Weight	25.56	g
Dry Weight (Total)	30.44	g
Solids, Percent	90.5	%

Sample: JE1300-45 **Analyzed:** 01-DEC-24 by MS **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-21(2.0-2.5)

Wet Weight (Total)	35.09	g
Tare Weight	28.57	g
Dry Weight (Total)	34.55	g
Solids, Percent	91.7	%

Sample: JE1300-46 **Analyzed:** 01-DEC-24 by MS **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-21(2.5-3.0)

Wet Weight (Total)	31.74	g
Tare Weight	26.29	g
Dry Weight (Total)	31.17	g
Solids, Percent	89.5	%

Sample: JE1300-47 **Analyzed:** 01-DEC-24 by MS **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-21-N1

Wet Weight (Total)	29.75	g
Tare Weight	23.95	g
Dry Weight (Total)	29.28	g
Solids, Percent	91.9	%

Sample: JE1300-48 **Analyzed:** 01-DEC-24 by MS **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-21-N2

Wet Weight (Total)	33.73	g
Tare Weight	28.68	g
Dry Weight (Total)	33.33	g
Solids, Percent	92.1	%

Percent Solids Raw Data Summary

Job Number: JE1300
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: JE1300-49 **Analyzed:** 01-DEC-24 by MS **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-21-E1

Wet Weight (Total)	34.06	g
Tare Weight	28.1	g
Dry Weight (Total)	33.56	g
Solids, Percent	91.6	%

Sample: JE1300-50 **Analyzed:** 01-DEC-24 by MS **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-21-E2

Wet Weight (Total)	30.42	g
Tare Weight	25.23	g
Dry Weight (Total)	29.75	g
Solids, Percent	87.1	%

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Matrix New World Engineering, Inc.

Ridgewood Berm Sampling, Ridgewood, NJ

23-1429; PO#20243716

SGS Job Number: JE1300R

Sampling Date: 11/22/24

Report to:

Matrix New World Engineering, Inc.
26 Columbia Turnpike
Florham Park, NJ 07932
mfeury@mnwe.com

ATTN: Melissa Feury

Total number of pages in report: 556

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

Olga Azarian
Technical Director

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Certifications: NJ(12129), NY(10983), CA, CO, CT, FL, HI, IL, IN, KY, LA (120428), MA, MD, ME, MN, NC, NH, NV, AK (UST-103), AZ (AZ0786), PA(68-00408), RI, SC, TX (T104704234), UT, VA, WA, WV

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SGS North America Inc.

Sample Summary

Matrix New World Engineering, Inc.

Job No: JE1300R

Ridgewood Berm Sampling, Ridgewood, NJ
Project No: 23-1429; PO#20243716

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
This report contains results reported as ND = Not detected. The following applies:							
Organics ND = Not detected above the MDL							
JE1300-10R	11/22/24	10:15	DC	11/22/24	SO	Soil	GRID-4(2.0-2.5)
JE1300-21R	11/22/24	11:25	DC	11/22/24	SO	Soil	GRID-11R
JE1300-32R	11/22/24	12:45	DC	11/22/24	SO	Soil	GRID-10R
JE1300-44R	11/22/24	13:50	DC	11/22/24	SO	Soil	GRID-21R

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Matrix New World Engineering, Inc.	**Job No:**	JE1300R
Site:	Ridgewood Berm Sampling, Ridgewood, NJ	**Report Date**	12/9/2024 12:04:16 P

On 11/22/2024, 4 sample(s), 0 Trip Blank(s), 0 Equip. Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. (SGS) at a temperature of 1.7 °C. The samples were intact and properly preserved, unless noted below. An SGS Job Number of JE1300R was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

GC/LC Semi-volatiles By Method SW846 8081B

Matrix: SO **Batch ID:** OP59833

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE1300-21RMS, JE1300-21RMSD were used as the QC samples indicated.
- Matrix Spike/Matrix Spike Duplicate recovery(s) of 4,4'-DDE, 4,4'-DDT, alpha-Chlordane, Chlordane (alpha and gamma), Endosulfan-I, gamma-Chlordane, Heptachlor epoxide are outside in house control limits.
- Matrix Spike/Matrix Spike Duplicate recovery(s) of Endrin are outside control limits. Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only. Outside of in house control limits
- JE1300-21R for Heptachlor epoxide: More than 40 % RPD for detected concentrations between the two GC columns.
- OP59833-MSD for Endrin: Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.
- JE1300-10R for 4,4'-DDE: Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.
- JE1300-10R for 4,4'-DDT: Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.
- JE1300-10R for Endrin: Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.
- JE1300-21R for Endosulfan-II: More than 40 % RPD for detected concentrations between the two GC columns.
- JE1300-44R for 4,4'-DDE: Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only. More than 40 % RPD for detected concentrations between the two GC columns.
- JE1300-21R for Methoxychlor: More than 40 % RPD for detected concentrations between the two GC columns.
- JE1300-32R for Heptachlor epoxide: More than 40 % RPD for detected concentrations between the two GC columns.
- JE1300-32R for 4,4'-DDT: Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.
- JE1300-44R for 4,4'-DDD: More than 40 % RPD for detected concentrations between the two GC columns.
- JE1300-44R for Dieldrin: More than 40 % RPD for detected concentrations between the two GC columns.
- JE1300-44R for Endosulfan-II: More than 40 % RPD for detected concentrations between the two GC columns.
- JE1300-44R for Endrin: More than 40 % RPD for detected concentrations between the two GC columns.
- JE1300-44R for Heptachlor epoxide: More than 40 % RPD for detected concentrations between the two GC columns.
- JE1300-44R for Methoxychlor: More than 40 % RPD for detected concentrations between the two GC columns.
- JE1300-44R for 4,4'-DDT: Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.
- JE1300-21R for 4,4'-DDT: More than 40 % RPD for detected concentrations between the two GC columns.

SGS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting SGS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by SGS indicated via signature on the report cover.

Summary of Hits

Job Number: JE1300R
Account: Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Collected: 11/22/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JE1300-10R	**GRID-4(2.0-2.5)**					
alpha-Chlordane		0.0027	0.00041	0.000055	mg/kg	SW846 8081B
gamma-Chlordane		0.00043	0.00041	0.000061	mg/kg	SW846 8081B
Chlordane (alpha and gamma)		0.0031	0.00041	0.000055	mg/kg	SW846 8081B
4,4'-DDD		0.00015 J	0.00041	0.000043	mg/kg	SW846 8081B
4,4'-DDE [a]		0.0028	0.00041	0.000049	mg/kg	SW846 8081B
4,4'-DDT [a]		0.0011	0.00041	0.000071	mg/kg	SW846 8081B
Heptachlor epoxide		0.0031	0.00041	0.000073	mg/kg	SW846 8081B
Methoxychlor		0.00033 J	0.00041	0.00016	mg/kg	SW846 8081B
JE1300-21R	**GRID-11R**					
alpha-Chlordane		0.00084	0.00041	0.000056	mg/kg	SW846 8081B
gamma-Chlordane		0.00056	0.00041	0.000062	mg/kg	SW846 8081B
Chlordane (alpha and gamma)		0.0014	0.00041	0.000056	mg/kg	SW846 8081B
4,4'-DDE		0.00047	0.00041	0.000050	mg/kg	SW846 8081B
4,4'-DDT [b]		0.00044	0.00041	0.000072	mg/kg	SW846 8081B
Endosulfan-II [b]		0.00042	0.00041	0.000058	mg/kg	SW846 8081B
Heptachlor epoxide [b]		0.00014 J	0.00041	0.000074	mg/kg	SW846 8081B
Methoxychlor [b]		0.0011	0.00041	0.00016	mg/kg	SW846 8081B
JE1300-32R	**GRID-10R**					
alpha-Chlordane		0.0023	0.00043	0.000058	mg/kg	SW846 8081B
gamma-Chlordane		0.0012	0.00043	0.000064	mg/kg	SW846 8081B
Chlordane (alpha and gamma)		0.0035	0.00043	0.000058	mg/kg	SW846 8081B
Dieldrin		0.00026 J	0.00043	0.000069	mg/kg	SW846 8081B
4,4'-DDD		0.0036	0.00043	0.000045	mg/kg	SW846 8081B
4,4'-DDE		0.0260	0.0021	0.00026	mg/kg	SW846 8081B
4,4'-DDT [a]		0.0034	0.00043	0.000075	mg/kg	SW846 8081B
Heptachlor epoxide [b]		0.00022 J	0.00043	0.000077	mg/kg	SW846 8081B
JE1300-44R	**GRID-21R**					
alpha-Chlordane		0.0045	0.00043	0.000058	mg/kg	SW846 8081B
gamma-Chlordane		0.0024	0.00043	0.000065	mg/kg	SW846 8081B
Chlordane (alpha and gamma)		0.0069	0.00043	0.000058	mg/kg	SW846 8081B
Dieldrin [b]		0.00061	0.00043	0.000069	mg/kg	SW846 8081B
4,4'-DDD [b]		0.00070	0.00043	0.000045	mg/kg	SW846 8081B
4,4'-DDE [c]		0.0027	0.00043	0.000052	mg/kg	SW846 8081B
4,4'-DDT [a]		0.0026	0.00043	0.000076	mg/kg	SW846 8081B
Endrin [b]		0.00063	0.00043	0.000063	mg/kg	SW846 8081B
Endosulfan-II [b]		0.00023 J	0.00043	0.000061	mg/kg	SW846 8081B
Heptachlor epoxide [b]		0.00049	0.00043	0.000078	mg/kg	SW846 8081B

Summary of Hits

Job Number: JE1300R
Account: Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Collected: 11/22/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Methoxychlor [b]		0.00026 J	0.00043	0.00017	mg/kg	SW846 8081B

(a) Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.
(b) More than 40 % RPD for detected concentrations between the two GC columns.
(c) Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only. More than 40 % RPD for detected concentrations between the two GC columns.

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Client Sample ID:	GRID-4(2.0-2.5)		
Lab Sample ID:	JE1300-10R	**Date Sampled:**	11/22/24
Matrix:	SO - Soil	**Date Received:**	11/22/24
Method:	SW846 8081B SW846 3570	**Percent Solids:**	96.7
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8G62777.D	1	12/03/24 06:19	CP	12/02/24 16:40	OP59833	G8G2700
Run #2							

	Initial Weight	Final Volume
Run #1	5.1 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.00041	0.000079	mg/kg	
319-84-6	alpha-BHC	ND	0.00041	0.000047	mg/kg	
319-85-7	beta-BHC	ND	0.00041	0.000059	mg/kg	
319-86-8	delta-BHC	ND	0.00041	0.000061	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.00041	0.000071	mg/kg	
5103-71-9	alpha-Chlordane	0.0027	0.00041	0.000055	mg/kg	
5103-74-2	gamma-Chlordane	0.00043	0.00041	0.000061	mg/kg	
57-74-9	Chlordane (alpha and gamma)	0.0031	0.00041	0.000055	mg/kg	
60-57-1	Dieldrin	ND	0.00041	0.000065	mg/kg	
72-54-8	4,4'-DDD	0.00015	0.00041	0.000043	mg/kg	J
72-55-9	4,4'-DDE [a]	0.0028	0.00041	0.000049	mg/kg	
50-29-3	4,4'-DDT [a]	0.0011	0.00041	0.000071	mg/kg	
72-20-8	Endrin [a]	ND	0.00041	0.000059	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.00041	0.000049	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00041	0.00012	mg/kg	
959-98-8	Endosulfan-I	ND	0.00041	0.000055	mg/kg	
33213-65-9	Endosulfan-II	ND	0.00041	0.000057	mg/kg	
76-44-8	Heptachlor	ND	0.00041	0.000053	mg/kg	
1024-57-3	Heptachlor epoxide	0.0031	0.00041	0.000073	mg/kg	
72-43-5	Methoxychlor	0.00033	0.00041	0.00016	mg/kg	J
53494-70-5	Endrin ketone	ND	0.00041	0.000065	mg/kg	
8001-35-2	Toxaphene	ND	0.0051	0.0033	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	90%		46-145%
877-09-8	Tetrachloro-m-xylene	80%		46-145%
2051-24-3	Decachlorobiphenyl	88%		29-163%
2051-24-3	Decachlorobiphenyl	87%		29-163%

(a) Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	GRID-11R		
Lab Sample ID:	JE1300-21R	**Date Sampled:**	11/22/24
Matrix:	SO - Soil	**Date Received:**	11/22/24
Method:	SW846 8081B SW846 3570	**Percent Solids:**	95.0
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8G62778.D	1	12/03/24 06:43	CP	12/02/24 16:40	OP59833	G8G2700
Run #2							

	Initial Weight	Final Volume
Run #1	5.1 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.00041	0.000080	mg/kg	
319-84-6	alpha-BHC	ND	0.00041	0.000047	mg/kg	
319-85-7	beta-BHC	ND	0.00041	0.000060	mg/kg	
319-86-8	delta-BHC	ND	0.00041	0.000062	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.00041	0.000072	mg/kg	
5103-71-9	alpha-Chlordane	0.00084	0.00041	0.000056	mg/kg	
5103-74-2	gamma-Chlordane	0.00056	0.00041	0.000062	mg/kg	
57-74-9	Chlordane (alpha and gamma)	0.0014	0.00041	0.000056	mg/kg	
60-57-1	Dieldrin	ND	0.00041	0.000066	mg/kg	
72-54-8	4,4'-DDD	ND	0.00041	0.000043	mg/kg	
72-55-9	4,4'-DDE	0.00047	0.00041	0.000050	mg/kg	
50-29-3	4,4'-DDT [a]	0.00044	0.00041	0.000072	mg/kg	
72-20-8	Endrin	ND	0.00041	0.000060	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.00041	0.000050	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00041	0.00012	mg/kg	
959-98-8	Endosulfan-I	ND	0.00041	0.000056	mg/kg	
33213-65-9	Endosulfan-II [a]	0.00042	0.00041	0.000058	mg/kg	
76-44-8	Heptachlor	ND	0.00041	0.000054	mg/kg	
1024-57-3	Heptachlor epoxide [a]	0.00014	0.00041	0.000074	mg/kg	J
72-43-5	Methoxychlor [a]	0.0011	0.00041	0.00016	mg/kg	
53494-70-5	Endrin ketone	ND	0.00041	0.000066	mg/kg	
8001-35-2	Toxaphene	ND	0.0052	0.0034	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	76%		46-145%
877-09-8	Tetrachloro-m-xylene	70%		46-145%
2051-24-3	Decachlorobiphenyl	79%		29-163%
2051-24-3	Decachlorobiphenyl	95%		29-163%

(a) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	GRID-10R		
Lab Sample ID:	JE1300-32R	**Date Sampled:**	11/22/24
Matrix:	SO - Soil	**Date Received:**	11/22/24
Method:	SW846 8081B SW846 3570	**Percent Solids:**	91.5
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8G62779.D	1	12/03/24 07:06	CP	12/02/24 16:40	OP59833	G8G2700
Run #2	8G62862.D	5	12/04/24 22:54	KC	12/02/24 16:40	OP59833	G8G2704

	Initial Weight	Final Volume
Run #1	5.1 g	10.0 ml
Run #2	5.1 g	10.0 ml

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.00043	0.000084	mg/kg	
319-84-6	alpha-BHC	ND	0.00043	0.000049	mg/kg	
319-85-7	beta-BHC	ND	0.00043	0.000062	mg/kg	
319-86-8	delta-BHC	ND	0.00043	0.000064	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.00043	0.000075	mg/kg	
5103-71-9	alpha-Chlordane	0.0023	0.00043	0.000058	mg/kg	
5103-74-2	gamma-Chlordane	0.0012	0.00043	0.000064	mg/kg	
57-74-9	Chlordane (alpha and gamma)	0.0035	0.00043	0.000058	mg/kg	
60-57-1	Dieldrin	0.00026	0.00043	0.000069	mg/kg	J
72-54-8	4,4'-DDD	0.0036	0.00043	0.000045	mg/kg	
72-55-9	4,4'-DDE	0.0260 [a]	0.0021	0.00026	mg/kg	
50-29-3	4,4'-DDT [b]	0.0034	0.00043	0.000075	mg/kg	
72-20-8	Endrin	ND	0.00043	0.000062	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.00043	0.000051	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00043	0.00012	mg/kg	
959-98-8	Endosulfan-I	ND	0.00043	0.000058	mg/kg	
33213-65-9	Endosulfan-II	ND	0.00043	0.000060	mg/kg	
76-44-8	Heptachlor	ND	0.00043	0.000056	mg/kg	
1024-57-3	Heptachlor epoxide [c]	0.00022	0.00043	0.000077	mg/kg	J
72-43-5	Methoxychlor	ND	0.00043	0.00017	mg/kg	
53494-70-5	Endrin ketone	ND	0.00043	0.000069	mg/kg	
8001-35-2	Toxaphene	ND	0.0054	0.0035	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	78%	103%	46-145%
877-09-8	Tetrachloro-m-xylene	82%	98%	46-145%
2051-24-3	Decachlorobiphenyl	70%	31%	29-163%
2051-24-3	Decachlorobiphenyl	95%	43%	29-163%

(a) Result is from Run# 2
(b) Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GRID-10R		
Lab Sample ID:	JE1300-32R	**Date Sampled:**	11/22/24
Matrix:	SO - Soil	**Date Received:**	11/22/24
Method:	SW846 8081B SW846 3570	**Percent Solids:**	91.5
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q

being used for confirmation only.
(c) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	GRID-21R		
Lab Sample ID:	JE1300-44R	**Date Sampled:**	11/22/24
Matrix:	SO - Soil	**Date Received:**	11/22/24
Method:	SW846 8081B SW846 3570	**Percent Solids:**	90.5
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8G62780.D	1	12/03/24 07:30	CP	12/02/24 16:40	OP59833	G8G2700
Run #2							

	Initial Weight	Final Volume
Run #1	5.1 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.00043	0.000084	mg/kg	
319-84-6	alpha-BHC	ND	0.00043	0.000050	mg/kg	
319-85-7	beta-BHC	ND	0.00043	0.000063	mg/kg	
319-86-8	delta-BHC	ND	0.00043	0.000065	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.00043	0.000076	mg/kg	
5103-71-9	alpha-Chlordane	0.0045	0.00043	0.000058	mg/kg	
5103-74-2	gamma-Chlordane	0.0024	0.00043	0.000065	mg/kg	
57-74-9	Chlordane (alpha and gamma)	0.0069	0.00043	0.000058	mg/kg	
60-57-1	Dieldrin [a]	0.00061	0.00043	0.000069	mg/kg	
72-54-8	4,4'-DDD [a]	0.00070	0.00043	0.000045	mg/kg	
72-55-9	4,4'-DDE [b]	0.0027	0.00043	0.000052	mg/kg	
50-29-3	4,4'-DDT [c]	0.0026	0.00043	0.000076	mg/kg	
72-20-8	Endrin [a]	0.00063	0.00043	0.000063	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.00043	0.000052	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00043	0.00013	mg/kg	
959-98-8	Endosulfan-I	ND	0.00043	0.000058	mg/kg	
33213-65-9	Endosulfan-II [a]	0.00023	0.00043	0.000061	mg/kg	J
76-44-8	Heptachlor	ND	0.00043	0.000056	mg/kg	
1024-57-3	Heptachlor epoxide [a]	0.00049	0.00043	0.000078	mg/kg	
72-43-5	Methoxychlor [a]	0.00026	0.00043	0.00017	mg/kg	J
53494-70-5	Endrin ketone	ND	0.00043	0.000069	mg/kg	
8001-35-2	Toxaphene	ND	0.0054	0.0036	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	88%		46-145%
877-09-8	Tetrachloro-m-xylene	103%		46-145%
2051-24-3	Decachlorobiphenyl	70%		29-163%
2051-24-3	Decachlorobiphenyl	101%		29-163%

(a) More than 40 % RPD for detected concentrations between the two GC columns.
(b) Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GRID-21R		
Lab Sample ID:	JE1300-44R	**Date Sampled:**	11/22/24
Matrix:	SO - Soil	**Date Received:**	11/22/24
Method:	SW846 8081B SW846 3570	**Percent Solids:**	90.5
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q

being used for confirmation only. More than 40 % RPD for detected concentrations between the two GC columns.
(c) Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

SGS

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

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FED-EX Tracking #:
Bottle Order Control #: PRM-IM-111524-197
SGS Quote #:
SGS Job #: JE1300

Client / Reporting Information

Company Name: Matrix New World Engineering
Street Address: 26 Columbia Tpke
City: Florham Park State: NJ Zip: 07932
Project Contact: Melissa Feury E-mail: mfeury@mnwe.com
Phone #: 973-240-1800
Sampler(s) Name(s): Daniel Cavallo Phone #: 973 865 3804

Project Information

Project Name: Ridgewood-Schidler Property
Street: 460 W. Saddle River Rd
City: Ridgewood State: NJ
Project #: 23-1429
Client Purchase Order #: 20243716
Project Manager: Melissa Feury

Billing Information (if different from Report to)
Company Name: SAME
Street Address:
City State Zip
Attention:

Benzo(a)pyrene
Benzo(b)anthracene

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB-Equipment Blank
RB - Rinse Blank
TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)		LAB USE ONLY
1	Grid-18-N1		11/22/24	0930	DC	G		Soil	1					1				X	X	F96
2	Grid-18-N2			0925					1					1				H	H	A16
3	Grid-18-S1			0935					1					1				X	X	G30-T2
4	Grid-18-S2			0940					1					1				H	H	V501
5	Grid-18-E1			0905					1					1				X	X	
6	Grid-18-E2			0855					1					1				H	H	
7	Grid-18-W1			0910					1					1				X	X	
8	Grid-18-W2			0915					1					1				H	H	

Initial Assessment 2BHR
Label Verification

Turn Around Time (Business Days)

Approved By (SGS PM) / Date: Standard

- [ ] 10 Business Days
- [X] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via SGS Engage
* Approval needed for 1-3 BD TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [X] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [ ] EDD Format

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

X = Run
H = Extract + Hold

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by:	Date / Time:	Received By:	Date / Time:
1	Cavallo	11/22/24 1845	DW	11/22/24
2	DW	11/22/24		1900
3				
4				
5				

Received By: 1 DW; 2 James Hunt; 3; 4; 5

Custody Seal # ☐ Intact ☐ Not Intact ☐ Absent

Therm ID: On Ice ☒ See Sample Receipt Summary

Cooler Temp. °C: 1.3

EHSA-QAC-0023-05 Rev.Date:8/5/22

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

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FED-EX Tracking #: | Bottle Order Control #:
SGS Quote #: | SGS Job #: JE1300

Client / Reporting Information
Company Name: SAME
Street Address:
City State Zip
Project Contact: E-mail:
Phone #:
Sampler(s) Name(s): Phone #:

Project Information
Project Name:
Street:
City State
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (If different from Report to)
Company Name: SAME
Street Address:
City State Zip
Attention:

Analysis Requested
Benzo(a) pyrene TCL Pesticides w/ matrix spike

Matrix Codes
DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED - Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB - Equipment Blank
RB - Rinse Blank
TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Code (Potable, NPW, SW, SOL, SL, WW, OI, LIQ, AIR, SED)	Matrix	# of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)	LAB USE ONLY
9	Grid-4R		11/22/24	1010	DC	G		Soil	1					1				H	
10	Grid-4 (2.0-2.5)			1015					1					1				X	
11	Grid-4 (2.5-3.0)			1020					1					1				H	
12	Grid-4-N1			1040					1					1				X	
13	Grid-4-N2			1033					1					1				H	
14	Grid-4-S1			1055					1					1				X	
15	Grid-4-S2			1100					1					1				H	
16	Grid-4-E1			1025					1					1				X	
17	Grid-4-E2			1030					1					1				H	
18	Grid-4-W1			1045					1					1				X	
19	Grid-4-W2			1050					1					1				H	
20	DUP-3			1027					1					1				X	

Turn Around Time (Business Days)
Approved By (SGS PM) / Date:
- [ ] 10 Business Days
- [x] 5 Business Days — Standard
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via SGS Engage
* Approval needed for 1-3 BD TAT

Deliverable
- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [x] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [ ] EDD Format

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions
X = Run
H = Extract + Hold
http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	DLaval	11/22/24 1545	DCW 11/22/24	2 DCW 11/22/24	1900	2
3			3	4		4
5			5	Custody Seal #	Intact / Not Intact / Absent	Therm ID: See Sample Receipt Summary — On Ice — Cooler Temp. °C

1-3

EHSA-QAC-0023-06 Rev.Date:9/24/2024

SGS

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

FED-EX Tracking # | Bottle Order Control #
SGS Quote # | SGS Job # JE1300

Client / Reporting Information
Company Name: SAME
Street Address
City State Zip
Project Contact Email
Phone #
Sampler(s) Name(s) Phone #

Project Information
Project Name: SAME
Street
City State
Project #
Client Purchase Order #
Project Manager

Billing Information (If different from Report to)
Company Name
Street Address
City State Zip
Attention:

Analysis Requested
Benzo(a) pyrene TCL PAHs only w/ MS/MSD

Matrix Codes
DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED - Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB - Equipment Blank
RB - Rinse Blank
TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chemical ed (Y/N)	Matrix	# of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)	LAB USE ONLY
21	Grid-11A		11/22/24	1125	DC	G		Soil	1					1				H	
22	Grid-11 (2.0-2.5)			1130					1					1				X	
23	Grid-11 (2.5-3.0)			1135					1					1				H	
24	Grid-11-N1			1200					1					1				X	
25	Grid-11-N2			1205					1					1				H	
26	Grid-11-S1			1150					1					1				X	
27	Grid-11-S2			1155					1					1				H	
28	Grid-11-E1			1210					1					1				X	
29	Grid-11-E2			1220					1					1				H	
30	Grid-11-W1			1140					1					1				X	
31	Grid-11-W2			1145					1					1				H	

Turn Around Time (Business Days)
Approved By (SGS PM) / Date: Standard
- [ ] 10 Business Days
- [x] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via SGS Engage
* Approval needed for 1-3 BD TAT

Deliverable
- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [x] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [ ] EDD Format

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions
X = Run
H = Extract + Hold

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	[signature]	11/22/24 1545	1 [signature]	2 [signature] 11/22/24	19 00	2 [signature]
3	Relinquished by:	Date / Time:	Received By: 3	Relinquished By: 4	Date / Time:	Received By: 4
5	Relinquished by:	Date / Time:	Received By: 5	Custody Seal #	Intact / Not Intact / Absent	Therm ID: See Sample Receipt Summary; On Ice; Cooler Temp. °C: 1.3

EHSA-QAC-0023-06 Rev.Date:9/24/2024

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

FED-EX Tracking #: | Bottle Order Control #:
SGS Quote #: | SGS Job #: JE1300

Client / Reporting Information
Company Name: SAME
Street Address: | City: State: Zip:
Project Contact: E-mail: | Phone #:
Sampler(s) Name(s): Phone #:

Project Information
Project Name: SAME
Street: | City: State:
Project #: | Client Purchase Order #:
Project Manager:

Billing Information (If different from Report to)
Company Name:
Street Address:
City: State: Zip:
Attention:

Analysis Requested
Mercury | Benzo(a)pyrene | TCL Pesticides w/ Matrix Spike

Matrix Codes
DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB-Equipment Blank
RB - Rinse Blank
TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)			LAB USE ONLY
32	Grid-10R		11/22/24	1245	DC	G		Soil	1					1						H	
33	Grid-10A (2.0-2.5)			1250					1					1				X	X		
34	Grid-10A (2.5-3.0)			1255					1					1				H	H		
35	Grid-10A-N1			1305					1					1				X	X		
36	Grid-10A-N2			1307					1					1				H	H		
37	Grid-10A-S1			1257					1					1				X	X		
38	Grid-10A-S2			1302					1					1				H	H		
39	Grid-10A-E1			1315					1					1				X	X		
40	Grid-10A-E2			1310					1					1				H	H		
41	Grid-10A-W1			1320					1					1				X	X		
42	Grid-10A-W2			1325					1					1				H	H		
43	DUP-5			1300					1					1				X	X		

Turn Around Time (Business Days)
- [ ] 10 Business Days
- [x] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

Approved By (SGS PM) / Date: Standard
All data available via SGS Engage | * Approval needed for 1-3 BD TAT

Deliverable
- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [x] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] MA MCP Criteria
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- [ ] State Forms
- [ ] EDD Format

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions
X = Run
H = Extract + Hold

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	DC Cavallo	11/22/24 1545	1 GW	2 GW	11/22/24 1800	2
3			3	4		4
5			5			

Custody Seal # | Intact | Not Intact | Absent | Therm ID: | On Ice | Cooler Temp. °C | See Sample Receipt Summary

1. 2

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

FED-EX Tracking #: | Bottle Order Control #:
SGS Quote #: | SGS Job #: JE1300

Client / Reporting Information
Company Name: SAME
Street Address:
City: State: Zip:
Project Contact: E-mail:
Phone #:
Sampler(s) Name(s): Phone #:

Project Information
Project Name: SAME
Street:
City: State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)
Company Name:
Street Address:
City: State: Zip:
Attention:

Analysis Requested
Benzo(a) pyrene TCL Pesticides by Matrix Spike TCL/TAL + 30

Matrix Codes
DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB-Equipment Blank
RB - Rinse Blank
TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)		LAB USE ONLY
44 32	Grid - 21R		11/22/24	1350	DC	G		Soil	1					1					H	
45 33	Grid-21 (2.0-2.5)			1355					1					1						
46 34	Grid-21(2.5-3.0)			1400					1					1				X	H	
47 35	Grid-21-N1			1407					1					1				H		
48 36	Grid-21-N2			1410					1					1				X		
49 37	Grid-21-E1			1402					1					1				H		
50 38	Grid-21-E2			1405					1					1				X		
51 39	FB-2			1445				FB	9	3	1	1		4				H		
																			X	

Turn Around Time (Business Days)
Approved By (SGS PM) / Date: Standard
- [ ] 10 Business Days
- [X] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other _____

All data available via SGS Engage
* Approval needed for 1-3 BD TAT

Deliverable
- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [X] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] MA MCP Criteria _____
- [ ] CT RCP Criteria _____
- [ ] State Forms
- [ ] EDD Format _____

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions
X = Run
H = Extract + Hold

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by:	Date / Time:	Received By:
1	[signature]	11/22/24 1545	1 [signature] 11/22/24 1545
2	[signature]	11/22/24 1900	2 [signature]
3			3
4			4
5			5

Custody Seal #: ☐ Intact ☐ Not Intact ☐ Absent
Therm ID: See Sample Receipt Summary
On Ice: ☒
Cooler Temp. °C: 1.3

SGS Sample Receipt Summary

Job Number: JE1300 **Client:** MATRIX NEW WORLD ENGINEERING, IN **Project:** RIDGEWOOD BERM SAMPLING, RIDGE

Date / Time Received: 11/22/2024 7:00:00 PM **Delivery Method:** SGS COURIER **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (1.3);

Cooler Temps (Corrected) °C: Cooler 1: (1.7);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR-50		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

Job Change Order: JE1300

Requested Date:	11/27/2024	**Received Date:**	11/22/2024
Account Name:	Matrix New World Engineering, In	**Due Date:**	11/27/2024
Project Description:	Ridgewood Berm Sampling, Ridgewood, NJ	**Deliverable:**	REDT2
C/O Initiated By:	LOUIE_DEV **PM:** TM	**TAT (Days):**	13

==========

Sample #: JE1300-10, 21, 32, 44 **Dept:**

Client ID: **TAT:** 13

Change: Samples off HOLD for P8081PESTTCLAO

Above Changes Per: Melissa Feury **Date/Time:** 11/27/2024

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

Page 1 of 1

JE1300R: Chain of Custody
Page 7 of 9

Job Change Order: JE1300

Requested Date:	12/4/2024	**Received Date:**	11/22/2024
Account Name:	Matrix New World Engineering, In	**Due Date:**	12/4/2024
Project Description:	Ridgewood Berm Sampling, Ridgewood, NJ	**Deliverable:**	REDT2
C/O Initiated By:	TAMMY_MC **PM:** TM	**TAT (Days):**	6

==========

Sample #: JE1300-10R, 21R, 32R, 44R **Dept:**

Client ID: **TAT:** 6

Change: Move to "R" job number and revise deliverables to FULT1

Above Changes Per: Melissa Feury **Date/Time:** 12/4/2024

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

Job Change Order: JE1300

Requested Date:	12/6/2024	**Received Date:**	11/22/2024
Account Name:	Matrix New World Engineering, In	**Due Date:**	12/6/2024
Project Description:	Ridgewood Berm Sampling, Ridgewood, NJ	**Deliverable:**	REDT2
C/O Initiated By:	TAMMY_MC **PM:** TM	**TAT (Days):**	6

==========

Sample #: JE1300-23, 25, 27, 36, 48 **Dept:**

Client ID: **TAT:** 6

Change: Off hold / relog for B8270BAPYRNAO

Above Changes Per: Melissa Feury **Date/Time:** 12/6/2024

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

Internal Sample Tracking Chronicle

Matrix New World Engineering, Inc.

Job No: JE1300R

Ridgewood Berm Sampling, Ridgewood, NJ
Project No: 23-1429; PO#20243716

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JE1300-10R	Collected: 22-NOV-24 10:15 By: DC GRID-4(2.0-2.5)			Received: 22-NOV-24	By: JK	
JE1300-10R	SW846 8081B	03-DEC-24 06:19	CP	02-DEC-24	EB	P8081PESTTCLAO
JE1300-21R	Collected: 22-NOV-24 11:25 By: DC GRID-11R			Received: 22-NOV-24	By: JK	
JE1300-21R	SW846 8081B	03-DEC-24 06:43	CP	02-DEC-24	EB	P8081PESTTCLAO
JE1300-32R	Collected: 22-NOV-24 12:45 By: DC GRID-10R			Received: 22-NOV-24	By: JK	
JE1300-32R	SW846 8081B	03-DEC-24 07:06	CP	02-DEC-24	EB	P8081PESTTCLAO
JE1300-32R	SW846 8081B	04-DEC-24 22:54	KC	02-DEC-24	EB	P8081PESTTCLAO
JE1300-44R	Collected: 22-NOV-24 13:50 By: DC GRID-21R			Received: 22-NOV-24	By: JK	
JE1300-44R	SW846 8081B	03-DEC-24 07:30	CP	02-DEC-24	EB	P8081PESTTCLAO

SGS Internal Chain of Custody

Job Number: JE1300R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Received: 11/22/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE1300-10.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:24	Return to Storage
JE1300-10.1	Secured Storage	Dave Hunkele	11/30/24 07:54	Retrieve from Storage
JE1300-10.1	Dave Hunkele	Secured Staging Area	11/30/24 07:54	Return to Storage
JE1300-10.1	Secured Staging Area	Alejandra Cruz	12/02/24 15:39	Retrieve from Storage
JE1300-10.1	Secured Storage	Ellen Dondeo	12/03/24 09:58	Retrieve from Storage
Analyst unavailable for custody transfer.				
JE1300-10.1	Ellen Dondeo	Secured Storage	12/03/24 17:27	Return to Storage
JE1300-10.1.1	Alejandra Cruz	Organics Prep	12/02/24 15:39	Extract from JE1300-10.1
JE1300-10.1.1	Organics Prep	Daniela Frey	12/04/24 16:15	Extract from JE1300-10.1
JE1300-10.1.1	Daniela Frey	Extract Storage	12/04/24 16:15	Return to Storage
JE1300-10.1.2	Alejandra Cruz	Organics Prep	12/02/24 16:18	Extract from JE1300-10.1
JE1300-10.1.2	Organics Prep	Erin Burke	12/02/24 17:36	Extract from JE1300-10.1
JE1300-10.1.2	Erin Burke	Extract Storage	12/02/24 17:36	Return to Storage
JE1300-10.1.2	Extract Storage	Christine Phillips	12/03/24 02:09	Retrieve from Storage
JE1300-10.1.2	Christine Phillips	GC8G	12/03/24 02:09	Load on Instrument
JE1300-21.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:24	Return to Storage
JE1300-21.1	Secured Storage	Dave Hunkele	11/30/24 07:51	Retrieve from Storage
JE1300-21.1	Dave Hunkele	Secured Staging Area	11/30/24 07:54	Return to Storage
JE1300-21.1	Secured Staging Area	Alejandra Cruz	12/02/24 15:44	Retrieve from Storage
JE1300-21.1	Alejandra Cruz	Secured Storage	12/02/24 19:41	Return to Storage
JE1300-21.1.1	Alejandra Cruz	Organics Prep	12/02/24 15:45	Extract from JE1300-21.1
JE1300-21.1.1	Organics Prep	Erin Burke	12/02/24 17:36	Extract from JE1300-21.1
JE1300-21.1.1	Erin Burke	Extract Storage	12/02/24 17:36	Return to Storage
JE1300-21.1.2	Alejandra Cruz	Organics Prep	12/02/24 15:45	Extract from JE1300-21.1
JE1300-21.1.2	Organics Prep	Erin Burke	12/02/24 17:36	Extract from JE1300-21.1
JE1300-21.1.2	Erin Burke	Extract Storage	12/02/24 17:36	Return to Storage
JE1300-21.1.2	Extract Storage	Christine Phillips	12/03/24 02:09	Retrieve from Storage
JE1300-21.1.2	Christine Phillips	GC8G	12/03/24 02:09	Load on Instrument
JE1300-32.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:24	Return to Storage
JE1300-32.1	Secured Storage	Dave Hunkele	11/30/24 07:54	Retrieve from Storage
JE1300-32.1	Dave Hunkele	Secured Staging Area	11/30/24 07:54	Return to Storage
JE1300-32.1	Secured Staging Area	Alejandra Cruz	12/02/24 15:44	Retrieve from Storage
JE1300-32.1	Alejandra Cruz	Secured Storage	12/02/24 19:41	Return to Storage
JE1300-32.1.1	Alejandra Cruz	Organics Prep	12/02/24 15:45	Extract from JE1300-32.1
JE1300-32.1.1	Organics Prep	Erin Burke	12/02/24 17:36	Extract from JE1300-32.1
JE1300-32.1.1	Erin Burke	Extract Storage	12/02/24 17:36	Return to Storage

SGS Internal Chain of Custody

Job Number: JE1300R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Received: 11/22/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE1300-32.1.2	Alejandra Cruz	Organics Prep	12/02/24 15:45	Extract from JE1300-32.1
JE1300-32.1.2	Organics Prep	Erin Burke	12/02/24 17:36	Extract from JE1300-32.1
JE1300-32.1.2	Erin Burke	Extract Storage	12/02/24 17:36	Return to Storage
JE1300-32.1.2	Extract Storage	Christine Phillips	12/03/24 02:09	Retrieve from Storage
JE1300-32.1.2	Christine Phillips	GC8G	12/03/24 02:09	Load on Instrument
JE1300-44.1	Aleandi Rodriguez	Secured Storage	11/23/24 17:24	Return to Storage
JE1300-44.1	Secured Storage	Dave Hunkele	11/30/24 07:51	Retrieve from Storage
JE1300-44.1	Dave Hunkele	Secured Staging Area	11/30/24 07:54	Return to Storage
JE1300-44.1	Secured Staging Area	Alejandra Cruz	12/02/24 15:44	Retrieve from Storage
JE1300-44.1	Alejandra Cruz	Secured Storage	12/02/24 19:41	Return to Storage
JE1300-44.1.1	Alejandra Cruz	Organics Prep	12/02/24 15:45	Extract from JE1300-44.1
JE1300-44.1.1	Organics Prep	Erin Burke	12/02/24 17:36	Extract from JE1300-44.1
JE1300-44.1.1	Erin Burke	Extract Storage	12/02/24 17:36	Return to Storage
JE1300-44.1.2	Alejandra Cruz	Organics Prep	12/02/24 15:45	Extract from JE1300-44.1
JE1300-44.1.2	Organics Prep	Erin Burke	12/02/24 17:36	Extract from JE1300-44.1
JE1300-44.1.2	Erin Burke	Extract Storage	12/02/24 17:36	Return to Storage
JE1300-44.1.2	Extract Storage	Christine Phillips	12/03/24 02:09	Retrieve from Storage
JE1300-44.1.2	Christine Phillips	GC8G	12/03/24 02:09	Load on Instrument

GC/LC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Internal Standard Area Summaries
- DDT/Endrin Breakdown Checks
- GC Identification Summaries (Hits)
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: JE1300R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59833-MB1	8G62769.D	1	12/03/24	CP	12/02/24	OP59833	G8G2700

The QC reported here applies to the following samples: **Method:** SW846 8081B

JE1300-10R, JE1300-21R, JE1300-32R, JE1300-44R

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.40	0.078	ug/kg	
319-84-6	alpha-BHC	ND	0.40	0.046	ug/kg	
319-85-7	beta-BHC	ND	0.40	0.058	ug/kg	
319-86-8	delta-BHC	ND	0.40	0.060	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.40	0.070	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.40	0.054	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.40	0.060	ug/kg	
57-74-9	Chlordane (alpha and gamma)	ND	0.40	0.054	ug/kg	
60-57-1	Dieldrin	ND	0.40	0.064	ug/kg	
72-54-8	4,4'-DDD	ND	0.40	0.042	ug/kg	
72-55-9	4,4'-DDE	ND	0.40	0.048	ug/kg	
50-29-3	4,4'-DDT	ND	0.40	0.070	ug/kg	
72-20-8	Endrin	ND	0.40	0.058	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.40	0.048	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.40	0.12	ug/kg	
959-98-8	Endosulfan-I	ND	0.40	0.054	ug/kg	
33213-65-9	Endosulfan-II	ND	0.40	0.056	ug/kg	
76-44-8	Heptachlor	ND	0.40	0.052	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.40	0.072	ug/kg	
72-43-5	Methoxychlor	ND	0.40	0.16	ug/kg	
53494-70-5	Endrin ketone	ND	0.40	0.064	ug/kg	
8001-35-2	Toxaphene	ND	5.0	3.3	ug/kg	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	97%	46-145%
877-09-8	Tetrachloro-m-xylene	83%	46-145%
2051-24-3	Decachlorobiphenyl	103%	29-163%
2051-24-3	Decachlorobiphenyl	81%	29-163%

Blank Spike Summary

Job Number: JE1300R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59833-BS1	8G62770.D	1	12/03/24	CP	12/02/24	OP59833	G8G2700

The QC reported here applies to the following samples: **Method:** SW846 8081B

JE1300-10R, JE1300-21R, JE1300-32R, JE1300-44R

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
309-00-2	Aldrin	5	4.5	90	71-115
319-84-6	alpha-BHC	5	4.5	90	69-110
319-85-7	beta-BHC	5	4.3	86	67-115
319-86-8	delta-BHC	5	4.6	92	58-110
58-89-9	gamma-BHC (Lindane)	5	4.5	90	70-108
5103-71-9	alpha-Chlordane	5	4.6	92	69-112
5103-74-2	gamma-Chlordane	5	4.7	94	68-111
57-74-9	Chlordane (alpha and gamma)	10	9.2	92	67-110
60-57-1	Dieldrin	5	4.6	92	71-112
72-54-8	4,4'-DDD	5	4.7	94	69-120
72-55-9	4,4'-DDE	5	4.9	98	71-108
50-29-3	4,4'-DDT	5	4.5	90	57-112
72-20-8	Endrin	5	5.2	104	71-121
1031-07-8	Endosulfan sulfate	5	4.4	88	68-108
7421-93-4	Endrin aldehyde	5	4.5	90	66-126
959-98-8	Endosulfan-I	5	4.5	90	65-114
33213-65-9	Endosulfan-II	5	4.5	90	65-115
76-44-8	Heptachlor	5	4.4	88	66-114
1024-57-3	Heptachlor epoxide	5	4.5	90	69-118
72-43-5	Methoxychlor	5	4.4	88	61-111
53494-70-5	Endrin ketone	5	3.9	78	70-108

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	96%	46-145%
877-09-8	Tetrachloro-m-xylene	85%	46-145%
2051-24-3	Decachlorobiphenyl	86%	29-163%
2051-24-3	Decachlorobiphenyl	81%	29-163%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JE1300R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59833-MS	8G62774.D	1	12/03/24	CP	12/02/24	OP59833	G8G2700
OP59833-MSD	8G62775.D	1	12/03/24	CP	12/02/24	OP59833	G8G2700
JE1300-21R	8G62778.D	1	12/03/24	CP	12/02/24	OP59833	G8G2700

The QC reported here applies to the following samples: **Method:** SW846 8081B

JE1300-10R, JE1300-21R, JE1300-32R, JE1300-44R

CAS No.	Compound	JE1300-21R ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
309-00-2	Aldrin	ND		4.97	4.8	97	5.06	4.9	97	2	34-125/32
319-84-6	alpha-BHC	ND		4.97	5.0	101	5.06	5.3	105	6	43-124/28
319-85-7	beta-BHC	ND		4.97	4.1	83	5.06	4.1	81	0	21-145/34
319-86-8	delta-BHC	ND		4.97	4.8	97	5.06	4.7	93	2	36-119/32
58-89-9	gamma-BHC (Lindane)	ND		4.97	4.7	95	5.06	4.6	91	2	48-118/28
5103-71-9	alpha-Chlordane	0.84		4.97	33.5	658* [a]	5.06	41.1	796* [a]	20	28-132/33
5103-74-2	gamma-Chlordane	0.56		4.97	9.8	186* [a]	5.06	11.4	214* [a]	15	20-132/33
57-74-9	Chlordane (alpha and gamma)	1.4		9.93	43.3	422* [a]	10.1	52.4	504* [a]	19	20-125/32
60-57-1	Dieldrin	ND		4.97	4.6	93	5.06	5.2	103	12	32-134/32
72-54-8	4,4'-DDD	ND		4.97	5.1	99	5.06	5.6	107	9	28-135/33
72-55-9	4,4'-DDE	0.47		4.97	28.8	571* [a]	5.06	34.3	668* [a]	17	23-133/32
50-29-3	4,4'-DDT	0.44		4.97	18.8	370* [a]	5.06	22.8	442* [a]	19	10-144/41
72-20-8	Endrin	ND		4.97	7.5	151* [b]	5.06	8.5	168* [b]	13 [c]	33-143/33
1031-07-8	Endosulfan sulfate	ND		4.97	4.1	83	5.06	4.5	89	9	18-133/34
7421-93-4	Endrin aldehyde	ND		4.97	4.5	91	5.06	5.0	99	11	20-139/36
959-98-8	Endosulfan-I	ND		4.97	18.1	365* [a]	5.06	20.3	401* [a]	11	32-127/31
33213-65-9	Endosulfan-II	0.42		4.97	4.7	86	5.06	4.8	87	2	28-128/33
76-44-8	Heptachlor	ND		4.97	4.6	93	5.06	4.5	89	2	30-133/34
1024-57-3	Heptachlor epoxide	0.14	J	4.97	34.3	691* [a]	5.06	41.6	822* [a]	19	37-131/32
72-43-5	Methoxychlor	1.1		4.97	6.6	120	5.06	7.0	126	6	13-136/37
53494-70-5	Endrin ketone	ND		4.97	3.9	52	5.06	4.5	63	14	24-149/34
8001-35-2	Toxaphene	ND			ND			ND		nc	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	JE1300-21R	Limits
877-09-8	Tetrachloro-m-xylene	83%	78%	76%	46-145%
877-09-8	Tetrachloro-m-xylene	77%	81%	70%	46-145%
2051-24-3	Decachlorobiphenyl	89%	86%	79%	29-163%
2051-24-3	Decachlorobiphenyl	110%	129%	95%	29-163%

(a) Outside of in house control limits.
(b) Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only. Outside of in house control limits.
(c) Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.

* = Outside of Control Limits.

Internal Standard Area Summary

Job Number: JE1300R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G8G2700-CC2596	**Injection Date:**	12/03/24
Lab File ID:	8G62764.D	**Injection Time:**	01:07
Instrument ID:	GC8G	**Method:**	SW846 8081B

	IS 1 AREA	RT	IS 2 AREA	RT
Initial Cal [a]	651180446	2.79	265523173	2.42
Check Std [b]	707247898	2.77	320089610	2.40
Upper Limit [c]	976770669	3.27	398284760	2.90
Lower Limit [d]	325590223	2.27	132761587	1.90

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT
OP59820-MB1	838279665	2.77	367356114	2.40
OP59820-BS1	790224096	2.77	337421361	2.40
OP59820-BSD	805897848	2.77	324361464	2.40
OP59833-MB1	765887546	2.77	338702034	2.40
OP59833-BS1	771169372	2.77	336584189	2.41
ZZZZZZ	801073347	2.77	344771078	2.41
OP59833-MS	827353265	2.77	376537789	2.41
OP59833-MSD	716412005	2.77	348744873	2.41
JE1300-10R	749853688	2.77	346195004	2.40
JE1300-21R	696063015	2.77	335592833	2.41
JE1300-32R	663935144	2.77	327325042	2.41
JE1300-44R	489641870	2.76	308367844	2.39
ZZZZZZ	619709995	2.77	294844447	2.41
ZZZZZZ	711170934	2.78	318894819	2.42

IS 1 = 1-Bromo-2-nitrobenzene (Signal #2)
IS 2 = 1-Bromo-2-nitrobenzene (Signal #1)

(a) Initial Cal is: G8G2596-ICC2596 8G60346.D 09/18/24 13:06. Area is AVERAGE of initial cal points.
(b) Check Std Limit = -50 to + 50% of initial cal area.
(c) Upper Limit = + 50% of initial standard area; Retention time + 0.5 minutes of check standard.
(d) Lower Limit = -50% of initial standard area; Retention time -0.5 minutes of check standard.

Internal Standard Area Summary

Job Number: JE1300R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G8G2704-CC2596	**Injection Date:**	12/04/24
Lab File ID:	8G62845A.D	**Injection Time:**	15:22
Instrument ID:	GC8G	**Method:**	SW846 8081B

	IS 1 AREA	RT	IS 2 AREA	RT
Initial Cal [a]	651180446	2.79	265523173	2.42
Check Std [b]	758724573	2.78	314141229	2.42
Upper Limit [c]	976770669	3.28	398284760	2.92
Lower Limit [d]	325590223	2.28	132761587	1.92

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT
OP59852-MB1	783732030	2.78	337499752	2.42
OP59852-BS1	786817853	2.78	326396176	2.42
OP59852-MS	940430415	2.78	298759251	2.42
OP59852-MSD	963566112	2.78	309461682	2.42
JE1037-1	877155411	2.78	309585123	2.42
ZZZZZZ	770604566	2.78	359886216	2.42
ZZZZZZ	724534604	2.78	266572182	2.42
ZZZZZZ	698620170	2.79	285424047	2.42
ZZZZZZ	699976459	2.78	276300762	2.42
ZZZZZZ	733945976	2.78	280603444	2.42
ZZZZZZ	813719895	2.78	353631811	2.42
ZZZZZZ	747886972	2.78	293107517	2.42
JE1300-32R	756693663	2.78	302547590	2.42
ZZZZZZ	380937239	2.79	147156740	2.43
ZZZZZZ	429334418	2.79	173200690	2.43
ZZZZZZ	335130924	2.79	197845011	2.53
ZZZZZZ	392196931	2.79	162743282	2.43

IS 1 = 1-Bromo-2-nitrobenzene (Signal #2)
IS 2 = 1-Bromo-2-nitrobenzene (Signal #1)

(a) Initial Cal is: G8G2596-ICC2596 8G60346.D 09/18/24 13:06. Area is AVERAGE of initial cal points.
(b) Check Std Limit = -50 to + 50% of initial cal area.
(c) Upper Limit = + 50% of initial standard area; Retention time + 0.5 minutes of check standard.
(d) Lower Limit = -50% of initial standard area; Retention time -0.5 minutes of check standard.

DDT/Endrin Breakdown Check

Job Number: JE1300R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	G8G2596-DDT	**Injection Date:**	09/18/24
Lab File ID:	8G60340.D	**Injection Time:**	10:50
Instrument ID:	GC8G		

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	6679618	18368373
4,4'-DDE	1340099	5370003
4,4'-DDT	689441934	1255768508
DDT Breakdown [a]	1.1 %	1.9 %
Endrin aldehyde	2965374	21664296
Endrin ketone	11326377	17699250
Endrin	311157621	655895389
Endrin Breakdown [b]	4.4 %	5.7 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
G8G2596-IC2596	8G60342.D	09/18/24	11:35	00:45	Initial cal 0.1
G8G2596-IC2596	8G60343.D	09/18/24	11:58	01:08	Initial cal 0.2
G8G2596-IC2596	8G60344.D	09/18/24	12:21	01:31	Initial cal 0.5
G8G2596-IC2596	8G60345.D	09/18/24	12:43	01:53	Initial cal 1
G8G2596-ICC2596	8G60346.D	09/18/24	13:06	02:16	Initial cal 2.5
G8G2596-IC2596	8G60347.D	09/18/24	13:29	02:39	Initial cal 5
G8G2596-IC2596	8G60348.D	09/18/24	13:51	03:01	Initial cal 7.5
G8G2596-IC2596	8G60349.D	09/18/24	14:14	03:24	Initial cal 10
G8G2596-ICV2596	8G60350.D	09/18/24	14:37	03:47	Initial cal verification 2.5
G8G2596-IC2596	8G60351.D	09/18/24	15:00	04:10	Initial cal 50
G8G2596-ICV2596	8G60352.D	09/18/24	15:22	04:32	Initial cal verification 50
G8G2596-IC2596	8G60353.D	09/18/24	15:45	04:55	Initial cal 50
G8G2596-ICV2596	8G60354.D	09/18/24	16:08	05:18	Initial cal verification 50

DDT/Endrin Breakdown Check

Job Number: JE1300R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	G8G2700-DDT	**Injection Date:**	12/03/24
Lab File ID:	8G62762.D	**Injection Time:**	00:19
Instrument ID:	GC8G		

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	13352496	45252466
4,4'-DDE	723064	2850969
4,4'-DDT	657954260	1067635809
DDT Breakdown [a]	2.1 %	4.3 %
Endrin aldehyde	877688	5876817
Endrin ketone	7141980	13027832
Endrin	347533700	630312279
Endrin Breakdown [b]	2.3 %	2.9 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
G8G2700-CC2596	8G62764.D	12/03/24	01:07	00:48	Continuing cal 5
OP59820-MB1	8G62766.D	12/03/24	01:55	01:36	Method Blank
OP59820-BS1	8G62767.D	12/03/24	02:19	02:00	Blank Spike
OP59820-BSD	8G62768.D	12/03/24	02:43	02:24	Blank Spike Duplicate
OP59833-MB1	8G62769.D	12/03/24	03:07	02:48	Method Blank
OP59833-BS1	8G62770.D	12/03/24	03:31	03:12	Blank Spike
ZZZZZZ	8G62771.D	12/03/24	03:55	03:36	(unrelated sample)
OP59833-MS	8G62774.D	12/03/24	05:07	04:48	Matrix Spike
OP59833-MSD	8G62775.D	12/03/24	05:31	05:12	Matrix Spike Duplicate
JE1300-10R	8G62777.D	12/03/24	06:19	06:00	GRID-4(2.0-2.5)
JE1300-21R	8G62778.D	12/03/24	06:43	06:24	GRID-11R
JE1300-32R	8G62779.D	12/03/24	07:06	06:47	GRID-10R
JE1300-44R	8G62780.D	12/03/24	07:30	07:11	GRID-21R
ZZZZZZ	8G62781.D	12/03/24	07:53	07:34	(unrelated sample)
ZZZZZZ	8G62782.D	12/03/24	08:17	07:58	(unrelated sample)

DDT/Endrin Breakdown Check

Job Number: JE1300R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	G8G2704-DDT	**Injection Date:**	12/04/24
Lab File ID:	8G62843.D	**Injection Time:**	14:33
Instrument ID:	GC8G		

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	15999296	51338802
4,4'-DDE	1065425	3557918
4,4'-DDT	636139236	1070676023
DDT Breakdown [a]	2.6 %	4.9 %
Endrin aldehyde	2313249	9504193
Endrin ketone	8562494	14565598
Endrin	333041143	631701162
Endrin Breakdown [b]	3.2 %	3.7 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
G8G2704-CC2596	8G62845A.D	12/04/24	15:22	00:49	Continuing cal 5
OP59852-MB1	8G62847.D	12/04/24	16:11	01:38	Method Blank
OP59852-BS1	8G62848.D	12/04/24	16:36	02:03	Blank Spike
OP59852-MS	8G62849.D	12/04/24	17:01	02:28	Matrix Spike
OP59852-MSD	8G62850.D	12/04/24	17:26	02:53	Matrix Spike Duplicate
JE1037-1	8G62851.D	12/04/24	17:51	03:18	(used for QC only; not part of job JE1300R)
ZZZZZZ	8G62852.D	12/04/24	18:16	03:43	(unrelated sample)
ZZZZZZ	8G62853.D	12/04/24	18:41	04:08	(unrelated sample)
ZZZZZZ	8G62855.D	12/04/24	19:32	04:59	(unrelated sample)
ZZZZZZ	8G62856.D	12/04/24	19:58	05:25	(unrelated sample)
ZZZZZZ	8G62857.D	12/04/24	20:23	05:50	(unrelated sample)
ZZZZZZ	8G62858.D	12/04/24	20:48	06:15	(unrelated sample)
ZZZZZZ	8G62861.D	12/04/24	22:30	07:57	(unrelated sample)
JE1300-32R	8G62862.D	12/04/24	22:54	08:21	GRID-10R
ZZZZZZ	8G62863.D	12/04/24	23:19	08:46	(unrelated sample)
ZZZZZZ	8G62864.D	12/04/24	23:45	09:12	(unrelated sample)
ZZZZZZ	8G62865.D	12/05/24	00:11	09:38	(unrelated sample)
ZZZZZZ	8G62866.D	12/05/24	00:37	10:04	(unrelated sample)

GC Identification Summary

Job Number: JE1300R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G8G2700-CC2596	**Injection Date:**	12/03/24
Lab File ID:	8G62764.D	**Injection Time:**	01:07
Instrument ID:	GC8G	**Method:**	SW846 8081B

Sample ID:	JE1300-10R	**Injection Date:**	12/03/24
Lab File ID:	8G62777.D	**Injection Time:**	06:19
Client ID:	GRID-4(2.0-2.5)		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
alpha-Chlordane	1	5.77	5.77	0.0030		mg/kg	10.5
alpha-Chlordane	2 [a]	7.47	7.47	0.0027		mg/kg	
gamma-Chlordane	1 [a]	5.59	5.59	0.00043		mg/kg	18.9
gamma-Chlordane	2	7.23	7.23	0.00052		mg/kg	
Chlordane (alpha and gamma)	n/a [b]			0.0031		mg/kg	
4,4'-DDD	1 [a]	6.77	6.77	0.00015	J	mg/kg	18.2
4,4'-DDD	2	8.72	8.72	0.00018	J	mg/kg	
4,4'-DDE [c]	1	5.88	5.88	0.0027		mg/kg	3.6
4,4'-DDE [d]	2 [a]	7.72	7.72	0.0028		mg/kg	
4,4'-DDT [c]	1	7.20	7.20	0.00092		mg/kg	17.8
4,4'-DDT [d]	2 [a]	9.28	9.28	0.0011		mg/kg	
Heptachlor epoxide	1	5.42	5.42	0.0032		mg/kg	3.2
Heptachlor epoxide	2 [a]	6.92	6.92	0.0031		mg/kg	
Methoxychlor	1 [a]	8.00	8.00	0.00033	J	mg/kg	8.7
Methoxychlor	2	10.51	10.51	0.00036	J	mg/kg	

(a) Final result reported from this column.
(b) Final reported result.
(c) Associated CCV outside of control limits high.
(d) Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.

GC Identification Summary

Job Number: JE1300R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G8G2700-CC2596	**Injection Date:**	12/03/24
Lab File ID:	8G62764.D	**Injection Time:**	01:07
Instrument ID:	GC8G	**Method:**	SW846 8081B

Sample ID:	JE1300-21R	**Injection Date:**	12/03/24
Lab File ID:	8G62778.D	**Injection Time:**	06:43
Client ID:	GRID-11R		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
alpha-Chlordane	1	5.77	5.77	0.00092		mg/kg	9.1
alpha-Chlordane	2 [a]	7.47	7.47	0.00084		mg/kg	
gamma-Chlordane	1	5.60	5.59	0.00060		mg/kg	6.9
gamma-Chlordane	2 [a]	7.23	7.23	0.00056		mg/kg	
Chlordane (alpha and gamma)	n/a [b]			0.0014		mg/kg	
4,4'-DDE [c]	1	5.88	5.88	0.00050		mg/kg	6.2
4,4'-DDE [c]	2 [a]	7.73	7.72	0.00047		mg/kg	
4,4'-DDT [c]	1	7.21	7.20	0.0019		mg/kg	124.8
4,4'-DDT [d]	2 [a]	9.28	9.28	0.00044		mg/kg	
Endosulfan-II [d]	1 [a]	7.01	7.00	0.00042		mg/kg	112.5
Endosulfan-II [d]	2	8.93	8.94	0.0015		mg/kg	
Heptachlor epoxide	1	5.42	5.42	0.00040	J	mg/kg	96.3
Heptachlor epoxide [d]	2 [a]	6.93	6.92	0.00014	J	mg/kg	
Methoxychlor [d]	1 [a]	7.99	8.00	0.0011		mg/kg	139.7
Methoxychlor [d]	2	10.50	10.51	0.0062		mg/kg	

(a) Final result reported from this column.
(b) Final reported result.
(c) Associated CCV outside of control limits high.
(d) More than 40 % RPD for detected concentrations between the two GC columns.

GC Identification Summary

Job Number: JE1300R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G8G2700-CC2596	**Injection Date:**	12/03/24
Lab File ID:	8G62764.D	**Injection Time:**	01:07
Instrument ID:	GC8G	**Method:**	SW846 8081B

Sample ID:	JE1300-32R	**Injection Date:**	12/03/24
Lab File ID:	8G62779.D	**Injection Time:**	07:06
Client ID:	GRID-10R		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
alpha-Chlordane	1	5.77	5.77	0.0032		mg/kg	32.7
alpha-Chlordane	2 [a]	7.47	7.47	0.0023		mg/kg	
gamma-Chlordane	1 [a]	5.60	5.59	0.0012		mg/kg	15.4
gamma-Chlordane	2	7.23	7.23	0.0014		mg/kg	
Chlordane (alpha and gamma)	n/a [b]			0.0035		mg/kg	
Dieldrin	1 [a]	6.31	6.31	0.00026	J	mg/kg	7.4
Dieldrin	2	8.05	8.04	0.00028	J	mg/kg	
4,4'-DDD	1 [a]	6.77	6.77	0.0036		mg/kg	22.2
4,4'-DDD	2	8.72	8.72	0.0045		mg/kg	
4,4'-DDT [c]	1	7.20	7.20	0.0023		mg/kg	38.6
4,4'-DDT [d]	2 [a]	9.28	9.28	0.0034		mg/kg	
Heptachlor epoxide	1	5.41	5.42	0.00061		mg/kg	94.0
Heptachlor epoxide [e]	2 [a]	6.92	6.92	0.00022	J	mg/kg	

(a) Final result reported from this column.
(b) Final reported result.
(c) Associated CCV outside of control limits high.
(d) Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.
(e) More than 40 % RPD for detected concentrations between the two GC columns.

GC Identification Summary

Job Number: JE1300R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G8G2704-CC2596	**Injection Date:**	12/04/24
Lab File ID:	8G62845A.D	**Injection Time:**	15:22
Instrument ID:	GC8G	**Method:**	SW846 8081B

Sample ID:	JE1300-32R	**Injection Date:**	12/04/24
Lab File ID:	8G62862.D	**Injection Time:**	22:54
Client ID:	GRID-10R		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
4,4'-DDE	1	5.89	5.88	0.0273		mg/kg	4.9
4,4'-DDE	2 [a]	7.73	7.72	0.0260		mg/kg	

(a) Final result reported from this column.

GC Identification Summary

Job Number: JE1300R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G8G2700-CC2596	**Injection Date:**	12/03/24
Lab File ID:	8G62764.D	**Injection Time:**	01:07
Instrument ID:	GC8G	**Method:**	SW846 8081B

Sample ID:	JE1300-44R	**Injection Date:**	12/03/24
Lab File ID:	8G62780.D	**Injection Time:**	07:30
Client ID:	GRID-21R		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
alpha-Chlordane	1	5.77	5.77	0.0063		mg/kg	33.3
alpha-Chlordane	2 [a]	7.48	7.47	0.0045		mg/kg	
gamma-Chlordane	1 [a]	5.60	5.59	0.0024		mg/kg	18.9
gamma-Chlordane	2	7.24	7.23	0.0029		mg/kg	
Chlordane (alpha and gamma)	n/a [b]			0.0069		mg/kg	
Dieldrin [c]	1 [a]	6.32	6.31	0.00061		mg/kg	57.3
Dieldrin [c]	2	8.04	8.04	0.0011		mg/kg	
4,4'-DDD [c]	1 [a]	6.77	6.77	0.00070		mg/kg	96.3
4,4'-DDD [c]	2	8.71	8.72	0.0020		mg/kg	
4,4'-DDE [d]	1	5.88	5.88	0.0017		mg/kg	45.5
4,4'-DDE [e]	2 [a]	7.73	7.72	0.0027		mg/kg	
4,4'-DDT [d]	1	7.21	7.20	0.0018		mg/kg	36.4
4,4'-DDT [f]	2 [a]	9.28	9.28	0.0026		mg/kg	
Endrin [d]	1	6.71	6.66	0.0020		mg/kg	104.2
Endrin [c]	2 [a]	8.62	8.58	0.00063		mg/kg	
Endosulfan-II [c]	1 [a]	7.01	7.00	0.00023	J	mg/kg	93.0
Endosulfan-II [c]	2	8.93	8.94	0.00063		mg/kg	
Heptachlor epoxide	1	5.43	5.42	0.00087		mg/kg	55.9
Heptachlor epoxide [c]	2 [a]	6.93	6.92	0.00049		mg/kg	
Methoxychlor [c]	1 [a]	7.99	8.00	0.00026	J	mg/kg	177.2
Methoxychlor [c]	2	10.51	10.51	0.0043		mg/kg	

(a) Final result reported from this column.
(b) Final reported result.
(c) More than 40 % RPD for detected concentrations between the two GC columns.
(d) Associated CCV outside of control limits high.
(e) Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only. More than 40 % RPD for detected concentrations between the two GC columns.
(f) Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.

GC Identification Summary

Job Number: JE1300R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G8G2700-CC2596	**Injection Date:**	12/03/24
Lab File ID:	8G62764.D	**Injection Time:**	01:07
Instrument ID:	GC8G	**Method:**	SW846 8081B

Sample ID:	OP59833-BS1	**Injection Date:**	12/03/24
Lab File ID:	8G62770.D	**Injection Time:**	03:31
Client ID:	Blank Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aldrin	1	4.65	4.65	5.2		ug/kg	14.4
Aldrin	2 [a]	6.04	6.04	4.5		ug/kg	
alpha-BHC	1	3.44	3.44	5.2		ug/kg	14.4
alpha-BHC	2 [a]	4.39	4.39	4.5		ug/kg	
beta-BHC	1	3.84	3.84	5.1		ug/kg	17.0
beta-BHC	2 [a]	4.96	4.96	4.3		ug/kg	
delta-BHC	1	4.04	4.04	5.4		ug/kg	16.0
delta-BHC	2 [a]	5.40	5.40	4.6		ug/kg	
gamma-BHC (Lindane)	1	3.76	3.76	5.1		ug/kg	12.5
gamma-BHC (Lindane)	2 [a]	4.87	4.87	4.5		ug/kg	
alpha-Chlordane	1	5.78	5.77	5.4		ug/kg	16.0
alpha-Chlordane	2 [a]	7.47	7.47	4.6		ug/kg	
gamma-Chlordane	1	5.59	5.59	4.9		ug/kg	4.2
gamma-Chlordane	2 [a]	7.23	7.23	4.7		ug/kg	
Chlordane (alpha and gamma)	n/a [b]			9.2		ug/kg	
Dieldrin	1	6.31	6.31	5.2		ug/kg	12.2
Dieldrin	2 [a]	8.04	8.04	4.6		ug/kg	
4,4'-DDD	1	6.77	6.77	5.2		ug/kg	10.1
4,4'-DDD	2 [a]	8.72	8.72	4.7		ug/kg	
4,4'-DDE	1	5.88	5.88	5.4		ug/kg	9.7
4,4'-DDE	2 [a]	7.72	7.72	4.9		ug/kg	
4,4'-DDT	1	7.20	7.20	5.2		ug/kg	14.4
4,4'-DDT	2 [a]	9.28	9.28	4.5		ug/kg	
Endrin	1	6.66	6.66	6.2		ug/kg	17.5
Endrin	2 [a]	8.58	8.58	5.2		ug/kg	
Endosulfan sulfate	1	8.38	8.38	5.4		ug/kg	20.4
Endosulfan sulfate	2 [a]	10.01	10.01	4.4		ug/kg	
Endrin aldehyde	1	7.66	7.66	5.3		ug/kg	16.3
Endrin aldehyde	2 [a]	9.52	9.52	4.5		ug/kg	
Endosulfan-I	1	5.97	5.97	5.0		ug/kg	10.5
Endosulfan-I	2 [a]	7.58	7.58	4.5		ug/kg	
Endosulfan-II	1	7.00	7.00	5.3		ug/kg	16.3
Endosulfan-II	2 [a]	8.94	8.94	4.5		ug/kg	
Heptachlor	1	4.29	4.29	5.1		ug/kg	14.7
Heptachlor	2 [a]	5.53	5.53	4.4		ug/kg	
Heptachlor epoxide	1	5.42	5.42	5.2		ug/kg	14.4
Heptachlor epoxide	2 [a]	6.92	6.92	4.5		ug/kg	
Methoxychlor	1	8.00	8.00	5.2		ug/kg	16.7
Methoxychlor	2 [a]	10.51	10.51	4.4		ug/kg	
Endrin ketone	1	8.83	8.83	5.0		ug/kg	24.7
Endrin ketone	2 [a]	10.97	10.97	3.9		ug/kg	

GC Identification Summary

Job Number: JE1300R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G8G2700-CC2596	**Injection Date:**	12/03/24
Lab File ID:	8G62764.D	**Injection Time:**	01:07
Instrument ID:	GC8G	**Method:**	SW846 8081B

Sample ID:	OP59833-BS1	**Injection Date:**	12/03/24
Lab File ID:	8G62770.D	**Injection Time:**	03:31
Client ID:	Blank Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc

(a) QC results reported from this column.
(b) Final reported result.

GC Identification Summary

Job Number: JE1300R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G8G2700-CC2596	**Injection Date:**	12/03/24
Lab File ID:	8G62764.D	**Injection Time:**	01:07
Instrument ID:	GC8G	**Method:**	SW846 8081B

Sample ID:	OP59833-MS	**Injection Date:**	12/03/24
Lab File ID:	8G62774.D	**Injection Time:**	05:07
Client ID:	Matrix Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aldrin	1 [a]	4.65	4.65	4.8		ug/kg	8.7
Aldrin	2	6.04	6.04	4.4		ug/kg	
alpha-BHC	1 [a]	3.44	3.44	5.0		ug/kg	12.8
alpha-BHC	2	4.39	4.39	4.4		ug/kg	
beta-BHC	1 [a]	3.84	3.84	4.1		ug/kg	2.4
beta-BHC	2	4.96	4.96	4.2		ug/kg	
delta-BHC	1 [a]	4.04	4.04	4.8		ug/kg	8.7
delta-BHC	2	5.40	5.40	4.4		ug/kg	
gamma-BHC (Lindane)	1 [a]	3.76	3.76	4.7		ug/kg	18.6
gamma-BHC (Lindane)	2	4.87	4.87	3.9		ug/kg	
alpha-Chlordane	1	5.78	5.77	45.1	E	ug/kg	29.5
alpha-Chlordane	2 [a]	7.47	7.47	33.5	E	ug/kg	
gamma-Chlordane	1	5.60	5.59	10.2		ug/kg	4.0
gamma-Chlordane	2 [a]	7.23	7.23	9.8		ug/kg	
Chlordane (alpha and gamma)	n/a [b]			43.3	E	ug/kg	
Dieldrin	1 [a]	6.32	6.31	4.6		ug/kg	12.2
Dieldrin	2	8.04	8.04	5.2		ug/kg	
4,4'-DDD	1 [a]	6.77	6.77	5.1		ug/kg	7.5
4,4'-DDD	2	8.72	8.72	5.5		ug/kg	
4,4'-DDE	1	5.88	5.88	30.9	E	ug/kg	7.0
4,4'-DDE	2 [a]	7.72	7.72	28.8	E	ug/kg	
4,4'-DDT	1	7.20	7.20	17.7		ug/kg	6.0
4,4'-DDT	2 [a]	9.28	9.28	18.8		ug/kg	
Endrin	1	6.66	6.66	6.6		ug/kg	12.8
Endrin [c]	2 [a]	8.58	8.58	7.5		ug/kg	
Endosulfan sulfate	1 [a]	8.38	8.38	4.1		ug/kg	15.7
Endosulfan sulfate	2	10.01	10.01	4.8		ug/kg	
Endrin aldehyde	1 [a]	7.66	7.66	4.5		ug/kg	16.3
Endrin aldehyde	2	9.52	9.52	5.3		ug/kg	
Endosulfan-I	1 [a]	5.97	5.97	18.1		ug/kg	80.6
Endosulfan-I	2	7.58	7.58	7.7		ug/kg	
Endosulfan-II	1 [a]	7.00	7.00	4.7		ug/kg	22.6
Endosulfan-II	2	8.94	8.94	5.9		ug/kg	
Heptachlor	1 [a]	4.29	4.29	4.6		ug/kg	6.7
Heptachlor	2	5.53	5.53	4.3		ug/kg	
Heptachlor epoxide	1	5.42	5.42	47.5	E	ug/kg	32.3
Heptachlor epoxide	2 [a]	6.92	6.92	34.3	E	ug/kg	
Methoxychlor	1 [a]	8.00	8.00	6.6		ug/kg	6.2
Methoxychlor	2	10.51	10.51	6.2		ug/kg	
Endrin ketone	1	8.84	8.83	6.4		ug/kg	48.5
Endrin ketone	2 [a]	10.97	10.97	3.9		ug/kg	

GC Identification Summary

Job Number: JE1300R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G8G2700-CC2596	**Injection Date:**	12/03/24
Lab File ID:	8G62764.D	**Injection Time:**	01:07
Instrument ID:	GC8G	**Method:**	SW846 8081B

Sample ID:	OP59833-MS	**Injection Date:**	12/03/24
Lab File ID:	8G62774.D	**Injection Time:**	05:07
Client ID:	Matrix Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc

(a) QC results reported from this column.
(b) Final reported result.
(c) Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.

GC Identification Summary

Job Number: JE1300R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G8G2700-CC2596	**Injection Date:**	12/03/24
Lab File ID:	8G62764.D	**Injection Time:**	01:07
Instrument ID:	GC8G	**Method:**	SW846 8081B

Sample ID:	OP59833-MSD	**Injection Date:**	12/03/24
Lab File ID:	8G62775.D	**Injection Time:**	05:31
Client ID:	Matrix Spike Duplicate		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aldrin	1 [a]	4.65	4.65	4.9		ug/kg	2.0
Aldrin	2	6.04	6.04	5.0		ug/kg	
alpha-BHC	1 [a]	3.44	3.44	5.3		ug/kg	14.1
alpha-BHC	2	4.39	4.39	4.6		ug/kg	
beta-BHC	1 [a]	3.84	3.84	4.1		ug/kg	9.3
beta-BHC	2	4.96	4.96	4.5		ug/kg	
delta-BHC	1 [a]	4.04	4.04	4.7		ug/kg	4.2
delta-BHC	2	5.40	5.40	4.9		ug/kg	
gamma-BHC (Lindane)	1 [a]	3.76	3.76	4.6		ug/kg	9.1
gamma-BHC (Lindane)	2	4.87	4.87	4.2		ug/kg	
alpha-Chlordane	1	5.78	5.77	50.5	E	ug/kg	20.5
alpha-Chlordane	2 [a]	7.47	7.47	41.1	E	ug/kg	
gamma-Chlordane	1	5.60	5.59	11.4		ug/kg	0.0
gamma-Chlordane	2 [a]	7.23	7.23	11.4		ug/kg	
Chlordane (alpha and gamma)	n/a [b]			52.4	E	ug/kg	
Dieldrin	1 [a]	6.32	6.31	5.2		ug/kg	10.9
Dieldrin	2	8.04	8.04	5.8		ug/kg	
4,4'-DDD	1 [a]	6.77	6.77	5.6		ug/kg	17.9
4,4'-DDD	2	8.72	8.72	6.7		ug/kg	
4,4'-DDE	1	5.88	5.88	33.9	E	ug/kg	1.2
4,4'-DDE	2 [a]	7.72	7.72	34.3	E	ug/kg	
4,4'-DDT	1	7.20	7.20	19.6		ug/kg	15.1
4,4'-DDT	2 [a]	9.28	9.28	22.8	E	ug/kg	
Endrin	1	6.66	6.66	6.9		ug/kg	20.8
Endrin [c]	2 [a]	8.58	8.58	8.5		ug/kg	
Endosulfan sulfate	1 [a]	8.38	8.38	4.5		ug/kg	14.4
Endosulfan sulfate	2	10.01	10.01	5.2		ug/kg	
Endrin aldehyde	1 [a]	7.66	7.66	5.0		ug/kg	18.2
Endrin aldehyde	2	9.52	9.52	6.0		ug/kg	
Endosulfan-I	1 [a]	5.97	5.97	20.3	E	ug/kg	95.3
Endosulfan-I	2	7.58	7.58	7.2		ug/kg	
Endosulfan-II	1 [a]	7.00	7.00	4.8		ug/kg	28.6
Endosulfan-II	2	8.94	8.94	6.4		ug/kg	
Heptachlor	1 [a]	4.29	4.29	4.5		ug/kg	4.3
Heptachlor	2	5.53	5.53	4.7		ug/kg	
Heptachlor epoxide	1	5.42	5.42	53.3	E	ug/kg	24.7
Heptachlor epoxide	2 [a]	6.92	6.92	41.6	E	ug/kg	
Methoxychlor	1 [a]	8.00	8.00	7.0		ug/kg	4.4
Methoxychlor	2	10.51	10.51	6.7		ug/kg	
Endrin ketone	1	8.84	8.83	6.8		ug/kg	40.7
Endrin ketone	2 [a]	10.97	10.97	4.5		ug/kg	

GC Identification Summary

Job Number: JE1300R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G8G2700-CC2596	**Injection Date:**	12/03/24
Lab File ID:	8G62764.D	**Injection Time:**	01:07
Instrument ID:	GC8G	**Method:**	SW846 8081B

Sample ID:	OP59833-MSD	**Injection Date:**	12/03/24
Lab File ID:	8G62775.D	**Injection Time:**	05:31
Client ID:	Matrix Spike Duplicate		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc

(a) QC results reported from this column.
(b) Final reported result.
(c) Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.

Surrogate Recovery Summary

Job Number: JE1300R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Method: SW846 8081B **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S1 [b]	S2 [a]	S2 [b]
JE1300-10R	8G62777.D	90	80	88	87
JE1300-21R	8G62778.D	76	70	79	95
JE1300-32R	8G62862.D	103	98	31	43
JE1300-32R	8G62779.D	78	82	70	95
JE1300-44R	8G62780.D	88	103	70	101
OP59833-BS1	8G62770.D	96	85	86	81
OP59833-MB1	8G62769.D	97	83	103	81
OP59833-MS	8G62774.D	83	77	89	110
OP59833-MSD	8G62775.D	78	81	86	129

Surrogate Compounds	Recovery Limits
S1 = Tetrachloro-m-xylene	46-145%
S2 = Decachlorobiphenyl	29-163%

(a) Recovery from GC signal #1
(b) Recovery from GC signal #2

GC Surrogate Retention Time Summary

Job Number: JE1300R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G8G2700-CC2596	**Injection Date:**	12/03/24
Lab File ID:	8G62764.D	**Injection Time:**	01:07
Instrument ID:	GC8G	**Method:**	SW846 8081B

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	2.95	3.65	10.62	13.00

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
OP59820-MB1	8G62766.D	12/03/24	01:55	2.95	3.65	10.62	13.00
OP59820-BS1	8G62767.D	12/03/24	02:19	2.95	3.65	10.62	13.00
OP59820-BSD	8G62768.D	12/03/24	02:43	2.95	3.65	10.62	13.00
OP59833-MB1	8G62769.D	12/03/24	03:07	2.95	3.65	10.62	13.00
OP59833-BS1	8G62770.D	12/03/24	03:31	2.96	3.65	10.61	12.99
ZZZZZZ	8G62771.D	12/03/24	03:55	2.95	3.65	10.62	12.99
OP59833-MS	8G62774.D	12/03/24	05:07	2.96	3.65	10.61	13.00
OP59833-MSD	8G62775.D	12/03/24	05:31	2.95	3.65	10.61	13.00
JE1300-10R	8G62777.D	12/03/24	06:19	2.95	3.65	10.61	13.00
JE1300-21R	8G62778.D	12/03/24	06:43	2.96	3.65	10.62	13.00
JE1300-32R	8G62779.D	12/03/24	07:06	2.96	3.65	10.61	13.00
JE1300-44R	8G62780.D	12/03/24	07:30	2.96	3.66	10.62	13.00
ZZZZZZ	8G62781.D	12/03/24	07:53	2.96	3.66	10.62	13.00
ZZZZZZ	8G62782.D	12/03/24	08:17	2.96	3.66	10.61	12.99

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: JE1300R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G8G2704-CC2596	**Injection Date:**	12/04/24
Lab File ID:	8G62845A.D	**Injection Time:**	15:22
Instrument ID:	GC8G	**Method:**	SW846 8081B

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	2.96	3.66	10.62	13.00

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
OP59852-MB1	8G62847.D	12/04/24	16:11	2.96	3.66	10.61	12.99
OP59852-BS1	8G62848.D	12/04/24	16:36	2.96	3.66	10.61	12.99
OP59852-MS	8G62849.D	12/04/24	17:01	2.96	3.66	10.61	12.99
OP59852-MSD	8G62850.D	12/04/24	17:26	2.96	3.66	10.61	12.99
JE1037-1	8G62851.D	12/04/24	17:51	2.96	3.66	10.61	13.00
ZZZZZZ	8G62852.D	12/04/24	18:16	2.96	3.66	10.62	12.99
ZZZZZZ	8G62853.D	12/04/24	18:41	2.97	3.66	10.61	12.99
ZZZZZZ	8G62855.D	12/04/24	19:32	2.98	3.67	10.62	12.99
ZZZZZZ	8G62856.D	12/04/24	19:58	2.98	3.67	10.62	13.00
ZZZZZZ	8G62857.D	12/04/24	20:23	2.97	3.67	10.62	13.00
ZZZZZZ	8G62858.D	12/04/24	20:48	2.97	3.67	10.62	13.00
ZZZZZZ	8G62861.D	12/04/24	22:30	2.97	3.67	10.62	13.00
JE1300-32R	8G62862.D	12/04/24	22:54	2.97	3.67	10.62	13.00
ZZZZZZ	8G62863.D	12/04/24	23:19	2.98	3.67	10.62	12.99
ZZZZZZ	8G62864.D	12/04/24	23:45	2.97	3.67	10.62	13.00
ZZZZZZ	8G62865.D	12/05/24	00:11	2.98	3.67	10.62	13.00
ZZZZZZ	8G62866.D	12/05/24	00:37	2.98	3.67	10.62	12.99

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

Initial Calibration Summary

Job Number: JE1300R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G8G2596-ICC2596
Lab FileID: 8G60346.D

Response Factor Report GC8G

Method : C:\msdchem\1\methods\8PSTLVI2596a.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Thu Sep 19 13:29:34 2024
Response via : Initial Calibration

Calibration Files
2 =8g60343.d 5 =8g60344.d 10 =8g60345.d 25 =8g60346.d
50 =8g60347.d 100 =8g60349.d 1 =8g60342.d 75 =8g60348.d

Compound	2	5	10	25	50	100	1	75	Avg	%RSD
1) I 1-bromo-2-nitrobenzen	ISTD									
2) Tetrachloro-	0.866	0.929	0.799	0.974	0.982	1.081	0.976	1.110	0.965	10.66
3) hexachlorobe	1.539	1.596	1.262	1.504	1.503	1.626	1.444	1.682	1.520	8.49
4) alpha-BHC	1.104	1.241	1.067	1.410	1.532	1.754	1.049	1.773	1.366	21.79
----- Quadratic regression ----- Coefficient = 0.9956										
Response Ratio = -0.00276 + 1.17334 *A + 0.33637 *A^2										
5) gamma-BHC	1.058	1.156	0.994	1.283	1.378	1.560	1.086	1.585	1.262	18.03
6) Heptachlor	1.211	1.263	1.023	1.281	1.333	1.472	1.304	1.517	1.301	11.75
7) beta-BHC	0.565	0.617	0.502	0.583	0.588	0.637	0.619	0.658	0.596	8.15
8) delta-BHC	1.033	1.120	1.012	1.274	1.395	1.586	1.103	1.617	1.267	19.09
9) Aldrin	0.956	1.084	0.903	1.159	1.229	1.384	1.070	1.411	1.150	16.05
10) alachlor		0.186	0.159	0.177	0.163			0.175	0.172	6.34
11) Heptachlor E	1.043	1.134	0.933	1.124	1.157	1.265	1.108	1.309	1.134	10.42
12) gamma-Chlord	1.279	1.136	0.888	1.138	1.194	1.321	1.364	1.351	1.209	13.08
13) alpha-Chlord	1.013	1.103	0.903	1.130	1.173	1.310	1.035	1.339	1.126	13.12
14) Endosulfan I	0.994	1.044	0.841	1.040	1.074	1.177	1.026	1.217	1.052	10.91
15) 4,4'-DDE	1.031	1.117	0.905	1.152	1.206	1.349	1.077	1.382	1.152	13.80
16) Dieldrin	1.067	1.085	0.869	1.119	1.184	1.316	1.173	1.353	1.146	13.26
17) Endrin	0.865	0.877	0.737	0.888	0.938	1.044	0.800	1.077	0.903	12.70
18) 4,4'-DDD	0.937	0.917	0.757	0.930	0.974	1.096	0.991	1.119	0.965	11.70
19) Endosulfan I	0.938	0.995	0.799	0.997	1.027	1.128	1.011	1.165	1.008	11.14
20) 4,4'-DDT	0.836	0.957	0.792	0.961	1.023	1.152	0.895	1.178	0.974	14.23
21) Endrin Aldeh	0.962	0.821	0.605	0.789	0.789	0.851	0.927	0.882	0.828	13.25
22) Endosulfan S	0.894	0.948	0.762	0.904	0.929	1.019	0.987	1.054	0.937	9.61
23) Methoxychlor	0.607	0.605	0.470	0.547	0.540	0.566	0.599	0.596	0.566	8.29
24) Mirex	0.874	0.933	0.714	0.828	0.809	0.862	0.952	0.899	0.859	8.85
25) Endrin Keton	1.201	1.176	0.919	1.135	1.155	1.264	1.338	1.305	1.187	10.96
26) Decachlorobi			0.786	0.913	0.912	0.994		1.035	0.928	10.28
27) I 1-bromo-2-nitrobenzen	ISTD									
28) Toxaphene{A}				0.014					0.014	0.00
29) Toxaphene{B}				0.014					0.014	0.00
30) Toxaphene{C}				0.037					0.037	0.00
31) Toxaphene{D}				0.024					0.024	0.00
32) Toxaphene{E}				0.035					0.035	0.00
33) I 1-bromo-2-nitrobenzen	ISTD									
34) Chlordane {A				0.077					0.077	0.00
35) Chlordane {B				0.047					0.047	0.00
36) Chlordane {C				0.166					0.166	0.00
37) Chlordane {D				0.254					0.254	0.00
38) Chlordane {E				0.036					0.036	0.00

Signal #2

Initial Calibration Summary

Job Number: JE1300R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G8G2596-ICC2596
Lab FileID: 8G60346.D

1)	I 1-bromo-2-nitrobenzen	----------ISTD----------								
2)	Tetrachloro-	1.350	1.320	1.044	1.229	1.202	1.220		1.210	1.225	8.06
3)	hexachlorobe	1.497	1.371	1.090	1.230	1.192	1.204	1.646	1.199	1.304	14.31
4)	alpha-BHC	1.522	1.499	1.244	1.526	1.548	1.593	1.680	1.563	1.522	8.25
5)	gamma-BHC	1.385	1.382	1.106	1.334	1.331	1.378	1.500	1.351	1.346	8.21
6)	Heptachlor	1.249	1.230	0.993	1.157	1.162	1.181	1.360	1.178	1.189	8.71
7)	beta-BHC	0.777	0.736	0.573	0.639	0.621	0.635	0.885	0.627	0.687	15.14
8)	delta-BHC	1.327	1.322	1.086	1.269	1.303	1.340	1.462	1.323	1.304	8.01
9)	Aldrin	1.268	1.245	1.015	1.224	1.225	1.253	1.380	1.238	1.231	8.20
10)	alachlor		0.224	0.175	0.186	0.168			0.165	0.184	13.04
11)	Heptachlor E	1.220	1.205	0.961	1.137	1.143	1.161	1.329	1.147	1.163	8.89
12)	gamma-Chlord	1.172	1.197	0.950	1.131	1.149	1.178	1.255	1.165	1.150	7.70
13)	alpha-Chlord	1.175	1.174	0.948	1.122	1.129	1.157	1.288	1.144	1.142	8.24
14)	Endosulfan I	1.069	1.074	0.871	1.036	1.039	1.061	1.169	1.053	1.047	7.87
15)	4,4'-DDE	1.130	1.127	0.915	1.099	1.101	1.129	1.235	1.120	1.107	8.01
16)	Dieldrin	1.227	1.214	0.972	1.177	1.181	1.215	1.283	1.199	1.184	7.74
17)	Endrin	0.898	0.891	0.727	0.834	0.851	0.878	0.875	0.867	0.853	6.42
18)	4,4'-DDD	1.085	0.996	0.781	0.918	0.921	0.934	1.223	0.927	0.973	13.55
19)	Endosulfan I	1.012	1.026	0.820	0.982	0.989	1.007	1.081	1.000	0.989	7.56
20)	4,4'-DDT	0.764	0.817	0.679	0.815	0.837	0.866	0.806	0.857	0.805	7.48
21)	Endrin Aldeh	0.890	0.796	0.601	0.727	0.715	0.744	1.009	0.733	0.777	15.91
22)	Endosulfan S	0.915	0.938	0.747	0.877	0.879	0.908	1.001	0.889	0.894	8.03
23)	Methoxychlor	0.407	0.419	0.336	0.395	0.391	0.403	0.454	0.395	0.400	8.19
24)	Mirex	0.549	0.583	0.463	0.627	0.677	0.549	0.601	0.539	0.573	11.24
25)	Endrin Keton	1.123	1.761	1.029	1.144	1.164	1.212	1.128	1.210	1.222	18.46
26)	Decachlorobi			0.619	0.712	0.702	0.721		0.709	0.693	6.03
27)	I 1-bromo-2-nitrobenzen	----------ISTD----------									
28)	Toxaphene{A}					0.011			0.011		0.00
29)	Toxaphene{B}					0.007			0.007		0.00
30)	Toxaphene{C}					0.019			0.019		0.00
31)	Toxaphene{D}					0.009			0.009		0.00
32)	Toxaphene{E}					0.027			0.027		0.00
33)	I 1-bromo-2-nitrobenzen	----------ISTD----------									
34)	Chlordane {A					0.068			0.068		0.00
35)	Chlordane {B					0.040			0.040		0.00
36)	Chlordane {C					0.139			0.139		0.00
37)	Chlordane {D					0.229			0.229		0.00
38)	Chlordane {E					0.033			0.033		0.00

(#) = Out of Range ### Number of calibration levels exceeded format ###

8PSTLVI2596a.M Thu Sep 19 13:35:44 2024

Initial Calibration Verification

Job Number: JE1300R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G8G2596-ICV2596
Lab FileID: 8G60350.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\g8g2596\8g60350.d\ECD1A.ch Vial: 19
Signal #2 : C:\msdchem\1\data\g8g2596\8g60350.d\ECD2B.ch
Acq On : 18 Sep 2024 2:37 pm Operator: rebeccak
Sample : icv2596-2.5 (pest mix) Inst : GC8G
Misc : op57529,g8g2596,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\methods\8PSTLVI2596a.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Thu Sep 19 13:29:34 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	96	0.00	1.92- 2.92
2	SAB	Tetrachloro-m-xylene	0.965	1.156	-19.8	114	0.00	2.94- 3.00
3		hexachlorobenzene	1.520	1.649	-8.5	105	0.00	3.29- 3.35
			True	Calc.	% Drift			
4	A	alpha-BHC	2.500	2.891	-15.6	107	0.00	3.44- 3.50
			AvgRF	CCRF	% Dev			
5	MA	gamma-BHC	1.262	1.457	-15.5	109	0.00	3.76- 3.82
6	MA	Heptachlor	1.301	1.379	-6.0	103	0.00	4.29- 4.35
7	B	beta-BHC	0.596	0.643	-7.9	106	0.00	3.83- 3.89
8	B	delta-BHC	1.267	1.375	-8.5	103	0.00	4.04- 4.10
9	MB	Aldrin	1.150	1.315	-14.3	109	0.00	4.66- 4.72
10		alachlor	0.172	0.196	-14.0	106	0.00	4.81- 4.87
11	B	Heptachlor Epoxide	1.134	1.260	-11.1	107	0.00	5.44- 5.50
12	B	gamma-Chlordane	1.209	1.270	-5.0	107	0.00	5.61- 5.67
13	B	alpha-Chlordane	1.126	1.203	-6.8	102	0.00	5.80- 5.86
14	A	Endosulfan I	1.052	1.149	-9.2	106	0.00	6.00- 6.06
15	B	4,4'-DDE	1.152	1.257	-9.1	105	0.00	5.90- 5.96
16	MA	Dieldrin	1.146	1.229	-7.2	105	0.00	6.34- 6.40
17	MA	Endrin	0.903	0.987	-9.3	107	0.00	6.69- 6.75
18	A	4,4'-DDD	0.965	1.040	-7.8	107	0.00	6.79- 6.85
19	B	Endosulfan II	1.008	1.113	-10.4	107	0.00	7.03- 7.09
20	MA	4,4'-DDT	0.974	1.087	-11.6	108	0.00	7.23- 7.29
21	B	Endrin Aldehyde	0.828	0.973	-17.5	118	0.00	7.69- 7.75
22	B	Endosulfan Sulfate	0.937	0.978	-4.4	104	0.00	8.41- 8.47
23	A	Methoxychlor	0.566	0.590	-4.2	103	0.00	8.03- 8.09
24		Mirex	0.859	0.914	-6.4	106	0.00	8.23- 8.29
25	B	Endrin Ketone	1.187	1.244	-4.8	105	0.00	8.87- 8.93
26	SA	Decachlorobiphenyl	0.928	1.083	-16.7	114	0.00	10.64-10.70
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	96	0.00	1.92- 2.92
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	96	0.00	1.92- 2.92
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				

Initial Calibration Verification

Job Number: JE1300R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G8G2596-ICV2596
Lab FileID: 8G60350.D

36		Chlordane {C}			----------NA----------			
37		Chlordane {D}			----------NA----------			
38		Chlordane {E}			----------NA----------			
*****		Signal #2 *****						
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	99	0.00	2.29- 3.29
2	SAB	Tetrachloro-m-xylene	1.225	1.387	-13.2	112	0.00	3.65- 3.71
3		hexachlorobenzene	1.304	1.312	-0.6	106	0.00	4.23- 4.29
4	A	alpha-BHC	1.522	1.557	-2.3	101	0.00	4.40- 4.46
5	MA	gamma-BHC	1.346	1.423	-5.7	106	0.00	4.88- 4.94
6	MA	Heptachlor	1.189	1.178	0.9	101	0.00	5.55- 5.61
7	B	beta-BHC	0.687	0.676	1.6	105	0.00	4.96- 5.02
8	B	delta-BHC	1.304	1.319	-1.2	103	0.00	5.41- 5.47
9	MB	Aldrin	1.231	1.318	-7.1	107	0.00	6.06- 6.12
10		alachlor	0.184	0.194	-5.4	104	0.00	5.81- 5.87
11	B	Heptachlor Epoxide	1.163	1.217	-4.6	106	0.00	6.96- 7.02
12	B	gamma-Chlordane	1.150	1.222	-6.3	107	0.00	7.26- 7.32
13	B	alpha-Chlordane	1.142	1.155	-1.1	102	0.00	7.50- 7.56
14	A	Endosulfan I	1.047	1.082	-3.3	104	0.00	7.62- 7.68
15	B	4,4'-DDE	1.107	1.142	-3.2	103	0.00	7.75- 7.81
16	MA	Dieldrin	1.184	1.254	-5.9	106	0.00	8.08- 8.14
17	MA	Endrin	0.853	0.884	-3.6	105	0.00	8.62- 8.68
18	A	4,4'-DDD	0.973	0.972	0.1	105	0.00	8.75- 8.81
19	B	Endosulfan II	0.989	1.034	-4.6	105	0.00	8.97- 9.03
20	MA	4,4'-DDT	0.805	0.856	-6.3	104	0.00	9.32- 9.38
21	B	Endrin Aldehyde	0.777	0.831	-6.9	114	0.00	9.56- 9.62
22	B	Endosulfan Sulfate	0.894	0.925	-3.5	105	0.00	10.05-10.11
23	A	Methoxychlor	0.400	0.405	-1.3	102	0.00	10.55-10.61
24		Mirex	0.573	0.591	-3.1	94	0.00	10.99-11.05
25	B	Endrin Ketone	1.222	1.197	2.0	104	0.00	11.01-11.07
26	SA	Decachlorobiphenyl	0.693	0.793	-14.4	111	0.00	13.03-13.09
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	99	0.00	2.29- 3.29
28	L8	Toxaphene{A}			----------NA----------			
29	L8	Toxaphene{B}			----------NA----------			
30	L8	Toxaphene{C}			----------NA----------			
31	L8	Toxaphene{D}			----------NA----------			
32	L8	Toxaphene{E}			----------NA----------			
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	99	0.00	2.29- 3.29
34		Chlordane {A}			----------NA----------			
35		Chlordane {B}			----------NA----------			
36		Chlordane {C}			----------NA----------			
37		Chlordane {D}			----------NA----------			
38		Chlordane {E}			----------NA----------			

(#) = Out of Range SPCC's out = 0 CCC's out = 0
8g60346.d 8PSTLVI2596a.M Thu Sep 19 13:41:45 2024

Initial Calibration Verification

Job Number: JE1300R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G8G2596-ICV2596
Lab FileID: 8G60352.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\g8g2596\8g60352.d\ECD1A.ch Vial: 21
Signal #2 : C:\msdchem\1\data\g8g2596\8g60352.d\ECD2B.ch
Acq On : 18 Sep 2024 3:22 pm Operator: rebeccak
Sample : icv2596-50 (chlordane) Inst : GC8G
Misc : op57529,g8g2596,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\methods\8PSTLVI2596a.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Thu Sep 19 07:05:18 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	89	0.00	1.92- 2.92
2	SAB	Tetrachloro-m-xylene	0.965	1.321	-36.9#	120	0.00	2.94- 3.00
3		hexachlorobenzene		----------NA----------				
		---------- True	Calc.	% Drift	----------			
4	A	alpha-BHC		----------NA----------				
		---------- AvgRF	CCRF	% Dev	----------			
5	MA	gamma-BHC		----------NA----------				
6	MA	Heptachlor		----------NA----------				
7	B	beta-BHC		----------NA----------				
8	B	delta-BHC		----------NA----------				
9	MB	Aldrin		----------NA----------				
10		alachlor		----------NA----------				
11	B	Heptachlor Epoxide		----------NA----------				
12	B	gamma-Chlordane		----------NA----------				
13	B	alpha-Chlordane		----------NA----------				
14	A	Endosulfan I		----------NA----------				
15	B	4,4'-DDE		----------NA----------				
16	MA	Dieldrin		----------NA----------				
17	MA	Endrin		----------NA----------				
18	A	4,4'-DDD		----------NA----------				
19	B	Endosulfan II		----------NA----------				
20	MA	4,4'-DDT		----------NA----------				
21	B	Endrin Aldehyde		----------NA----------				
22	B	Endosulfan Sulfate		----------NA----------				
23	A	Methoxychlor		----------NA----------				
24		Mirex		----------NA----------				
25	B	Endrin Ketone		----------NA----------				
26	SA	Decachlorobiphenyl	0.928	1.097	-18.2	108	0.00	10.64-10.70
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	89	0.00	1.92- 2.92
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	96	0.00	1.92- 2.92
34		Chlordane {A}	0.077	0.080	-3.9	99	0.00	4.22- 4.42
35		Chlordane {B}	0.047	0.052	-10.6	107	0.00	4.75- 4.95

Initial Calibration Verification

Job Number: JE1300R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G8G2596-ICV2596
Lab FileID: 8G60352.D

36		Chlordane {C}	0.166	0.184	-10.8	106	0.00	5.54- 5.74
37		Chlordane {D}	0.254	0.283	-11.4	106	-0.01	5.71- 5.91
38		Chlordane {E}	0.036	0.040	-11.1	105	0.00	6.86- 7.06
*****	Signal #2 *****							
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	97	0.00	2.29- 3.29
2	SAB	Tetrachloro-m-xylene	1.225	1.312	-7.1	106	0.00	3.65- 3.71
3		hexachlorobenzene	----------NA----------					
4	A	alpha-BHC	----------NA----------					
5	MA	gamma-BHC	----------NA----------					
6	MA	Heptachlor	----------NA----------					
7	B	beta-BHC	----------NA----------					
8	B	delta-BHC	----------NA----------					
9	MB	Aldrin	----------NA----------					
10		alachlor	----------NA----------					
11	B	Heptachlor Epoxide	----------NA----------					
12	B	gamma-Chlordane	----------NA----------					
13	B	alpha-Chlordane	----------NA----------					
14	A	Endosulfan I	----------NA----------					
15	B	4,4'-DDE	----------NA----------					
16	MA	Dieldrin	----------NA----------					
17	MA	Endrin	----------NA----------					
18	A	4,4'-DDD	----------NA----------					
19	B	Endosulfan II	----------NA----------					
20	MA	4,4'-DDT	----------NA----------					
21	B	Endrin Aldehyde	----------NA----------					
22	B	Endosulfan Sulfate	----------NA----------					
23	A	Methoxychlor	----------NA----------					
24		Mirex	----------NA----------					
25	B	Endrin Ketone	----------NA----------					
26	SA	Decachlorobiphenyl	0.693	0.766	-10.5	106	0.00	13.03-13.09
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	97	0.00	2.29- 3.29
28	L8	Toxaphene{A}	----------NA----------					
29	L8	Toxaphene{B}	----------NA----------					
30	L8	Toxaphene{C}	----------NA----------					
31	L8	Toxaphene{D}	----------NA----------					
32	L8	Toxaphene{E}	----------NA----------					
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	99	0.00	2.29- 3.29
34		Chlordane {A}	0.068	0.070	-2.9	101	0.00	5.48- 5.68
35		Chlordane {B}	0.040	0.044	-10.0	109	0.00	6.19- 6.39
36		Chlordane {C}	0.139	0.151	-8.6	107	0.00	7.19- 7.39
37		Chlordane {D}	0.229	0.236	-3.1	102	0.00	7.43- 7.63
38		Chlordane {E}	0.033	0.037	-12.1	114	0.00	9.00- 9.20

(#) = Out of Range SPCC's out = 0 CCC's out = 0
8g60351.d 8PSTLVI2596a.M Thu Sep 19 07:06:22 2024

Initial Calibration Verification

Job Number: JE1300R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G8G2596-ICV2596
Lab FileID: 8G60354.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\g8g2596\8g60354.d\ECD1A.ch Vial: 23
Signal #2 : C:\msdchem\1\data\g8g2596\8g60354.d\ECD2B.ch
Acq On : 18 Sep 2024 4:08 pm Operator: rebeccak
Sample : icv2596-50 (toxaphene) Inst : GC8G
Misc : op57529,g8g2596,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\methods\8PSTLVI2596a.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Thu Sep 19 13:29:34 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	96	0.00	1.92- 2.92
2	SAB	Tetrachloro-m-xylene	0.965	1.109	-14.9	109	0.00	2.94- 3.00
3		hexachlorobenzene		----------NA----------				
		---------- True	Calc.	% Drift	----------			
4	A	alpha-BHC		----------NA----------				
		---------- AvgRF	CCRF	% Dev	----------			
5	MA	gamma-BHC		----------NA----------				
6	MA	Heptachlor		----------NA----------				
7	B	beta-BHC		----------NA----------				
8	B	delta-BHC		----------NA----------				
9	MB	Aldrin		----------NA----------				
10		alachlor		----------NA----------				
11	B	Heptachlor Epoxide		----------NA----------				
12	B	gamma-Chlordane		----------NA----------				
13	B	alpha-Chlordane		----------NA----------				
14	A	Endosulfan I		----------NA----------				
15	B	4,4'-DDE		----------NA----------				
16	MA	Dieldrin		----------NA----------				
17	MA	Endrin		----------NA----------				
18	A	4,4'-DDD		----------NA----------				
19	B	Endosulfan II		----------NA----------				
20	MA	4,4'-DDT		----------NA----------				
21	B	Endrin Aldehyde		----------NA----------				
22	B	Endosulfan Sulfate		----------NA----------				
23	A	Methoxychlor		----------NA----------				
24		Mirex		----------NA----------				
25	B	Endrin Ketone		----------NA----------				
26	SA	Decachlorobiphenyl	0.928	0.917	1.2	97	0.00	10.64-10.70
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	112	0.00	1.92- 2.92
28	L8	Toxaphene{A}	0.014	0.021	-50.0#	162#	0.01	6.68- 6.88
29	L8	Toxaphene{B}	0.014	0.017	-21.4#	141	0.00	7.48- 7.68
30	L8	Toxaphene{C}	0.037	0.030	18.9	88	0.00	7.59- 7.79
31	L8	Toxaphene{D}	0.024	0.021	12.5	96	0.00	8.01- 8.21
32	L8	Toxaphene{E}	0.035	0.025	28.6#	78	0.00	8.17- 8.37
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	103	0.00	1.92- 2.92
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				

Initial Calibration Verification

Job Number: JE1300R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G8G2596-ICV2596
Lab FileID: 8G60354.D

36		Chlordane {C}			----------NA----------			
37		Chlordane {D}			----------NA----------			
38		Chlordane {E}			----------NA----------			
*****		Signal #2 *****						
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	99	0.00	2.29- 3.29
2	SAB	Tetrachloro-m-xylene	1.225	1.319	-7.7	109	0.00	3.65- 3.71
3		hexachlorobenzene			----------NA----------			
4	A	alpha-BHC			----------NA----------			
5	MA	gamma-BHC			----------NA----------			
6	MA	Heptachlor			----------NA----------			
7	B	beta-BHC			----------NA----------			
8	B	delta-BHC			----------NA----------			
9	MB	Aldrin			----------NA----------			
10		alachlor			----------NA----------			
11	B	Heptachlor Epoxide			----------NA----------			
12	B	gamma-Chlordane			----------NA----------			
13	B	alpha-Chlordane			----------NA----------			
14	A	Endosulfan I			----------NA----------			
15	B	4,4'-DDE			----------NA----------			
16	MA	Dieldrin			----------NA----------			
17	MA	Endrin			----------NA----------			
18	A	4,4'-DDD			----------NA----------			
19	B	Endosulfan II			----------NA----------			
20	MA	4,4'-DDT			----------NA----------			
21	B	Endrin Aldehyde			----------NA----------			
22	B	Endosulfan Sulfate			----------NA----------			
23	A	Methoxychlor			----------NA----------			
24		Mirex			----------NA----------			
25	B	Endrin Ketone			----------NA----------			
26	SA	Decachlorobiphenyl	0.693	0.769	-11.0	109	0.00	13.03-13.09
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	110	0.00	2.29- 3.29
28	L8	Toxaphene{A}	0.011	0.015	-36.4#	143	0.00	7.96- 8.16
29	L8	Toxaphene{B}	0.007	0.008	-14.3	117	0.00	8.15- 8.35
30	L8	Toxaphene{C}	0.019	0.022	-15.8	128	0.00	9.04- 9.24
31	L8	Toxaphene{D}	0.009	0.008	11.1	95	0.00	9.19- 9.39
32	L8	Toxaphene{E}	0.027	0.023	14.8	94	0.00	10.42-10.62
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	101	0.00	2.29- 3.29
34		Chlordane {A}			----------NA----------			
35		Chlordane {B}			----------NA----------			
36		Chlordane {C}			----------NA----------			
37		Chlordane {D}			----------NA----------			
38		Chlordane {E}			----------NA----------			

(#) = Out of Range SPCC's out = 0 CCC's out = 0
8g60353.d 8PSTLVI2596a.M Thu Sep 19 13:35:02 2024

Continuing Calibration Summary

Job Number: JE1300R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G8G2700-CC2596
Lab FileID: 8G62764.D

Evaluate Continuing Calibration Report

Signal #1 : X:\Dayton SVOA GC\8....00\8g62764.d\ECD1A.ch Vial: 4
Signal #2 : X:\Dayton SVOA GC\8. GC ...8g2700\8g62764.d\ECD2B.ch
Acq On : 3 Dec 2024 1:07 am Operator: christp
Sample : cc2596-5 Inst : GC8G
Misc : op59749,g8g2700,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : X:\Dayton SVOA G...0\8PSTLVI2596a.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Mon Dec 02 07:28:52 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	117	0.00	1.90- 2.90
2	SAB	Tetrachloro-m-xylene	0.965	1.026	-6.3	122	-0.01	2.92- 2.98
3		hexachlorobenzene	1.520	1.658	-9.1	129	-0.01	3.26- 3.32
		---------- True Calc. % Drift ----------						
4	A	alpha-BHC	5.000	5.401	-8.0	127	-0.01	3.41- 3.47
		---------- AvgRF CCRF % Dev ----------						
5	MA	gamma-BHC	1.262	1.485	-17.7	126	-0.01	3.73- 3.79
6	MA	Heptachlor	1.301	1.520	-16.8	133	-0.01	4.26- 4.32
7	B	beta-BHC	0.596	0.644	-8.1	128	-0.01	3.81- 3.87
8	B	delta-BHC	1.267	1.502	-18.5	126	-0.01	4.01- 4.07
9	MB	Aldrin	1.150	1.367	-18.9	130	-0.01	4.62- 4.68
10		alachlor	0.172	0.183	-6.4	131	-0.01	4.76- 4.82
11	B	Heptachlor Epoxide	1.134	1.298	-14.5	131	-0.01	5.39- 5.45
12	B	gamma-Chlordane	1.209	1.349	-11.6	132	-0.01	5.56- 5.62
13	B	alpha-Chlordane	1.126	1.348	-19.7	134	-0.01	5.74- 5.80
14	A	Endosulfan I	1.052	1.246	-18.4	136	-0.01	5.94- 6.00
15	B	4,4'-DDE	1.152	1.423	-23.5#	138	-0.01	5.85- 5.91
16	MA	Dieldrin	1.146	1.332	-16.2	132	-0.01	6.28- 6.34
17	MA	Endrin	0.903	1.277	-41.4#	159#	-0.01	6.63- 6.69
18	A	4,4'-DDD	0.965	1.145	-18.7	138	-0.01	6.74- 6.80
19	B	Endosulfan II	1.008	1.172	-16.3	134	-0.01	6.97- 7.03
20	MA	4,4'-DDT	0.974	1.198	-23.0#	137	-0.01	7.17- 7.23
21	B	Endrin Aldehyde	0.828	0.889	-7.4	132	-0.01	7.63- 7.69
22	B	Endosulfan Sulfate	0.937	1.054	-12.5	133	-0.01	8.35- 8.41
23	A	Methoxychlor	0.566	0.641	-13.3	139	-0.01	7.97- 8.03
24		Mirex	0.859	0.984	-14.6	142	-0.01	8.17- 8.23
25	B	Endrin Ketone	1.187	1.312	-10.5	133	-0.01	8.80- 8.86
26	SA	Decachlorobiphenyl	0.928	1.062	-14.4	136	-0.01	10.59-10.65
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	136	0.00	1.90- 2.90
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	125	0.00	1.90- 2.90
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				

Continuing Calibration Summary

Job Number: JE1300R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G8G2700-CC2596
Lab FileID: 8G62764.D

36		Chlordane {C}			----------NA----------			
37		Chlordane {D}			----------NA----------			
38		Chlordane {E}			----------NA----------			
*****		Signal #2 *****						
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	108	-0.01	2.27- 3.27
2	SAB	Tetrachloro-m-xylene	1.225	1.169	4.6	105	-0.01	3.62- 3.68
3		hexachlorobenzene	1.304	1.202	7.8	109	-0.01	4.20- 4.26
4	A	alpha-BHC	1.522	1.474	3.2	103	-0.01	4.36- 4.42
5	MA	gamma-BHC	1.346	1.328	1.3	108	-0.01	4.84- 4.90
6	MA	Heptachlor	1.189	1.187	0.2	110	-0.01	5.50- 5.56
7	B	beta-BHC	0.687	0.654	4.8	114	-0.01	4.93- 4.99
8	B	delta-BHC	1.304	1.309	-0.4	108	-0.01	5.37- 5.43
9	MB	Aldrin	1.231	1.250	-1.5	110	-0.01	6.01- 6.07
10		alachlor	0.184	0.170	7.6	109	-0.01	5.75- 5.81
11	B	Heptachlor Epoxide	1.163	1.188	-2.1	112	-0.01	6.89- 6.95
12	B	gamma-Chlordane	1.150	1.218	-5.9	114	-0.01	7.20- 7.26
13	B	alpha-Chlordane	1.142	1.191	-4.3	114	-0.01	7.44- 7.50
14	A	Endosulfan I	1.047	1.087	-3.8	113	-0.01	7.55- 7.61
15	B	4,4'-DDE	1.107	1.235	-11.6	121	-0.01	7.69- 7.75
16	MA	Dieldrin	1.184	1.228	-3.7	112	-0.01	8.01- 8.07
17	MA	Endrin	0.853	1.016	-19.1	129	-0.01	8.55- 8.61
18	A	4,4'-DDD	0.973	1.008	-3.6	118	-0.01	8.69- 8.75
19	B	Endosulfan II	0.989	0.970	1.9	106	-0.01	8.91- 8.97
20	MA	4,4'-DDT	0.805	0.859	-6.7	111	-0.01	9.25- 9.31
21	B	Endrin Aldehyde	0.777	0.738	5.0	111	-0.01	9.49- 9.55
22	B	Endosulfan Sulfate	0.894	0.832	6.9	102	-0.01	9.98-10.04
23	A	Methoxychlor	0.400	0.406	-1.5	112	-0.01	10.48-10.54
24		Mirex	0.573	0.574	-0.2	92	-0.01	10.91-10.97
25	B	Endrin Ketone	1.222	1.087	11.0	101	-0.01	10.94-11.00
26	SA	Decachlorobiphenyl	0.693	0.635	8.4	98	-0.01	12.97-13.03
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	119	-0.01	2.27- 3.27
28	L8	Toxaphene{A}			----------NA----------			
29	L8	Toxaphene{B}			----------NA----------			
30	L8	Toxaphene{C}			----------NA----------			
31	L8	Toxaphene{D}			----------NA----------			
32	L8	Toxaphene{E}			----------NA----------			
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	110	-0.01	2.27- 3.27
34		Chlordane {A}			----------NA----------			
35		Chlordane {B}			----------NA----------			
36		Chlordane {C}			----------NA----------			
37		Chlordane {D}			----------NA----------			
38		Chlordane {E}			----------NA----------			

(#) = Out of Range SPCC's out = 0 CCC's out = 0
8g62730.d 8PSTLVI2596a.M Tue Dec 03 12:55:50 2024

Continuing Calibration Summary

Job Number: JE1300R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G8G2702-CC2596
Lab FileID: 8G62795A.D

Evaluate Continuing Calibration Report

Signal #1 : X:\Dayton SVOA GC\8....2\8g62795a.d\ECD1A.ch Vial: 4
Signal #2 : X:\Dayton SVOA GC\8. GC ...g2702\8g62795a.d\ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm Operator: kyrac
Sample : cc2596-5 Inst : GC8G
Misc : op59740,g8g2702,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : X:\Dayton SVOA G...2\8PSTLVI2596a.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Mon Dec 02 07:28:52 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	113	0.00	1.91- 2.91
2	SAB	Tetrachloro-m-xylene	0.965	1.058	-9.6	122	0.00	2.93- 2.99
3		hexachlorobenzene	1.520	1.735	-14.1	131	0.00	3.27- 3.33
			True	Calc.	% Drift			
4	A	alpha-BHC	5.000	5.581	-11.6	128	0.00	3.42- 3.48
			AvgRF	CCRF	% Dev			
5	MA	gamma-BHC	1.262	1.548	-22.7#	127	0.00	3.73- 3.79
6	MA	Heptachlor	1.301	1.549	-19.1	132	0.00	4.26- 4.32
7	B	beta-BHC	0.596	0.680	-14.1	131	0.00	3.81- 3.87
8	B	delta-BHC	1.267	1.611	-27.2#	131	0.00	4.01- 4.07
9	MB	Aldrin	1.150	1.389	-20.8#	128	0.00	4.62- 4.68
10		alachlor	0.172	0.182	-5.8	126	0.00	4.77- 4.83
11	B	Heptachlor Epoxide	1.134	1.309	-15.4	128	0.00	5.39- 5.45
12	B	gamma-Chlordane	1.209	1.360	-12.5	129	0.00	5.57- 5.63
13	B	alpha-Chlordane	1.126	1.354	-20.2#	131	0.00	5.75- 5.81
14	A	Endosulfan I	1.052	1.248	-18.6	132	0.00	5.95- 6.01
15	B	4,4'-DDE	1.152	1.409	-22.3#	132	0.00	5.85- 5.91
16	MA	Dieldrin	1.146	1.358	-18.5	130	0.00	6.29- 6.35
17	MA	Endrin	0.903	1.234	-36.7#	149	0.00	6.63- 6.69
18	A	4,4'-DDD	0.965	1.116	-15.6	130	0.00	6.74- 6.80
19	B	Endosulfan II	1.008	1.163	-15.4	128	0.00	6.97- 7.03
20	MA	4,4'-DDT	0.974	1.130	-16.0	125	-0.01	7.18- 7.24
21	B	Endrin Aldehyde	0.828	0.895	-8.1	129	0.00	7.63- 7.69
22	B	Endosulfan Sulfate	0.937	1.044	-11.4	127	-0.01	8.35- 8.41
23	A	Methoxychlor	0.566	0.586	-3.5	123	0.00	7.97- 8.03
24		Mirex	0.859	0.927	-7.9	130	-0.01	8.17- 8.23
25	B	Endrin Ketone	1.187	1.254	-5.6	123	-0.01	8.81- 8.87
26	SA	Decachlorobiphenyl	0.928	0.991	-6.8	123	-0.01	10.59-10.65
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	132	0.00	1.91- 2.91
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	123	0.00	1.91- 2.91
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				

Continuing Calibration Summary

Job Number: JE1300R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G8G2702-CC2596
Lab FileID: 8G62795A.D

36		Chlordane {C}			----------NA----------				
37		Chlordane {D}			----------NA----------				
38		Chlordane {E}			----------NA----------				
*****		Signal #2 *****							
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	109	0.00	2.28- 3.28	
2	SAB	Tetrachloro-m-xylene	1.225	1.187	3.1	107	0.00	3.63- 3.69	
3		hexachlorobenzene	1.304	1.230	5.7	112	0.00	4.20- 4.26	
4	A	alpha-BHC	1.522	1.592	-4.6	112	0.00	4.36- 4.42	
5	MA	gamma-BHC	1.346	1.385	-2.9	113	0.00	4.84- 4.90	
6	MA	Heptachlor	1.189	1.209	-1.7	113	0.00	5.50- 5.56	
7	B	beta-BHC	0.687	0.681	0.9	119	0.00	4.93- 4.99	
8	B	delta-BHC	1.304	1.389	-6.5	116	0.00	5.38- 5.44	
9	MB	Aldrin	1.231	1.248	-1.4	111	0.00	6.01- 6.07	
10		alachlor	0.184	0.167	9.2	108	0.00	5.75- 5.81	
11	B	Heptachlor Epoxide	1.163	1.177	-1.2	112	0.00	6.90- 6.96	
12	B	gamma-Chlordane	1.150	1.192	-3.7	113	0.00	7.20- 7.26	
13	B	alpha-Chlordane	1.142	1.167	-2.2	112	0.00	7.44- 7.50	
14	A	Endosulfan I	1.047	1.067	-1.9	111	0.00	7.56- 7.62	
15	B	4,4'-DDE	1.107	1.197	-8.1	118	0.00	7.70- 7.76	
16	MA	Dieldrin	1.184	1.199	-1.3	110	-0.01	8.01- 8.07	
17	MA	Endrin	0.853	0.958	-12.3	122	0.00	8.55- 8.61	
18	A	4,4'-DDD	0.973	0.961	1.2	113	0.00	8.69- 8.75	
19	B	Endosulfan II	0.989	0.948	4.1	104	0.00	8.91- 8.97	
20	MA	4,4'-DDT	0.805	0.821	-2.0	107	0.00	9.25- 9.31	
21	B	Endrin Aldehyde	0.777	0.709	8.8	108	0.00	9.50- 9.56	
22	B	Endosulfan Sulfate	0.894	0.830	7.2	102	0.00	9.98-10.04	
23	A	Methoxychlor	0.400	0.375	6.3	104	0.00	10.48-10.54	
24		Mirex	0.573	0.580	-1.2	93	0.00	10.91-10.97	
25	B	Endrin Ketone	1.222	1.000	18.2	93	0.00	10.94-11.00	
26	SA	Decachlorobiphenyl	0.693	0.584	15.7	90	0.00	12.97-13.03	
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	120	0.00	2.28- 3.28	
28	L8	Toxaphene{A}			----------NA----------				
29	L8	Toxaphene{B}			----------NA----------				
30	L8	Toxaphene{C}			----------NA----------				
31	L8	Toxaphene{D}			----------NA----------				
32	L8	Toxaphene{E}			----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	111	0.00	2.28- 3.28	
34		Chlordane {A}			----------NA----------				
35		Chlordane {B}			----------NA----------				
36		Chlordane {C}			----------NA----------				
37		Chlordane {D}			----------NA----------				
38		Chlordane {E}			----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
8g62730.d 8PSTLVI2596a.M Wed Dec 04 18:44:30 2024

Continuing Calibration Summary

Job Number: JE1300R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G8G2704-CC2596
Lab FileID: 8G62845A.D

Evaluate Continuing Calibration Report

Signal #1 : X:\Dayton SVOA GC\8....4\8g62845a.d\ECD1A.ch Vial: 4
Signal #2 : X:\Dayton SVOA GC\8. GC ...g2704\8g62845a.d\ECD2B.ch
Acq On : 4 Dec 2024 3:22 pm Operator: kyrac
Sample : cc2596-5 Inst : GC8G
Misc : op59827,g8g2704,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : X:\Dayton SVOA G...4\8PSTLVI2596a.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Thu Dec 05 02:18:49 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	115	0.00	1.92- 2.92
2	SAB	Tetrachloro-m-xylene	0.965	1.008	-4.5	118	0.00	2.93- 2.99
3		hexachlorobenzene	1.520	1.644	-8.2	126	0.00	3.27- 3.33
		----------	True	Calc.	% Drift	----------		
4	A	alpha-BHC	5.000	5.359	-7.2	123	0.00	3.42- 3.48
		----------	AvgRF	CCRF	% Dev	----------		
5	MA	gamma-BHC	1.262	1.481	-17.4	123	0.00	3.73- 3.79
6	MA	Heptachlor	1.301	1.482	-13.9	128	0.00	4.26- 4.32
7	B	beta-BHC	0.596	0.641	-7.6	125	0.00	3.81- 3.87
8	B	delta-BHC	1.267	1.511	-19.3	124	0.00	4.01- 4.07
9	MB	Aldrin	1.150	1.324	-15.1	124	0.00	4.62- 4.68
10		alachlor	0.172	0.174	-1.2	122	0.00	4.77- 4.83
11	B	Heptachlor Epoxide	1.134	1.249	-10.1	124	0.00	5.39- 5.45
12	B	gamma-Chlordane	1.209	1.294	-7.0	124	0.00	5.56- 5.62
13	B	alpha-Chlordane	1.126	1.284	-14.0	126	0.00	5.75- 5.81
14	A	Endosulfan I	1.052	1.180	-12.2	126	0.00	5.94- 6.00
15	B	4,4'-DDE	1.152	1.332	-15.6	127	0.00	5.85- 5.91
16	MA	Dieldrin	1.146	1.283	-12.0	124	0.00	6.28- 6.34
17	MA	Endrin	0.903	1.163	-28.8#	142	0.00	6.63- 6.69
18	A	4,4'-DDD	0.965	1.054	-9.2	124	0.00	6.74- 6.80
19	B	Endosulfan II	1.008	1.081	-7.2	121	0.00	6.97- 7.03
20	MA	4,4'-DDT	0.974	1.065	-9.3	120	0.00	7.17- 7.23
21	B	Endrin Aldehyde	0.828	0.803	3.0	117	0.00	7.63- 7.69
22	B	Endosulfan Sulfate	0.937	0.953	-1.7	118	0.00	8.35- 8.41
23	A	Methoxychlor	0.566	0.543	4.1	116	0.00	7.97- 8.03
24		Mirex	0.859	0.863	-0.5	123	0.00	8.17- 8.23
25	B	Endrin Ketone	1.187	1.159	2.4	115	0.00	8.80- 8.86
26	SA	Decachlorobiphenyl	0.928	0.857	7.7	108	0.00	10.59-10.65
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	134	0.00	1.92- 2.92
28	L8	Toxaphene{A}	----------NA----------					
29	L8	Toxaphene{B}	----------NA----------					
30	L8	Toxaphene{C}	----------NA----------					
31	L8	Toxaphene{D}	----------NA----------					
32	L8	Toxaphene{E}	----------NA----------					
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	123	0.00	1.92- 2.92
34		Chlordane {A}	----------NA----------					
35		Chlordane {B}	----------NA----------					

Continuing Calibration Summary

Job Number: JE1300R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G8G2704-CC2596
Lab FileID: 8G62845A.D

36		Chlordane {C}			----------NA----------			
37		Chlordane {D}			----------NA----------			
38		Chlordane {E}			----------NA----------			
*****		Signal #2 *****						
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	116	0.00	2.28- 3.28
2	SAB	Tetrachloro-m-xylene	1.225	1.142	6.8	110	0.00	3.63- 3.69
3		hexachlorobenzene	1.304	1.175	9.9	114	0.00	4.20- 4.26
4	A	alpha-BHC	1.522	1.525	-0.2	114	0.00	4.36- 4.42
5	MA	gamma-BHC	1.346	1.323	1.7	115	0.00	4.84- 4.90
6	MA	Heptachlor	1.189	1.121	5.7	112	0.00	5.50- 5.56
7	B	beta-BHC	0.687	0.635	7.6	118	0.00	4.93- 4.99
8	B	delta-BHC	1.304	1.316	-0.9	117	0.00	5.37- 5.43
9	MB	Aldrin	1.231	1.183	3.9	112	0.00	6.01- 6.07
10		alachlor	0.184	0.159	13.6	109	0.00	5.75- 5.81
11	B	Heptachlor Epoxide	1.163	1.110	4.6	113	0.00	6.89- 6.95
12	B	gamma-Chlordane	1.150	1.123	2.3	113	0.00	7.20- 7.26
13	B	alpha-Chlordane	1.142	1.097	3.9	113	0.00	7.44- 7.50
14	A	Endosulfan I	1.047	1.007	3.8	112	0.00	7.55- 7.61
15	B	4,4'-DDE	1.107	1.135	-2.5	119	0.00	7.69- 7.75
16	MA	Dieldrin	1.184	1.123	5.2	110	0.00	8.01- 8.07
17	MA	Endrin	0.853	0.889	-4.2	121	0.00	8.55- 8.61
18	A	4,4'-DDD	0.973	0.898	7.7	113	0.00	8.69- 8.75
19	B	Endosulfan II	0.989	0.867	12.3	102	0.00	8.91- 8.97
20	MA	4,4'-DDT	0.805	0.735	8.7	102	0.00	9.25- 9.31
21	B	Endrin Aldehyde	0.777	0.636	18.1	103	0.00	9.49- 9.55
22	B	Endosulfan Sulfate	0.894	0.722	19.2	95	0.00	9.98-10.04
23	A	Methoxychlor	0.400	0.329	17.8	97	0.00	10.48-10.54
24		Mirex	0.573	0.476	16.9	81	0.00	10.91-10.97
25	B	Endrin Ketone	1.222	0.837	31.5#	83	0.00	10.94-11.00
26	SA	Decachlorobiphenyl	0.693	0.481	30.6#	79	0.00	12.97-13.03
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	128	0.00	2.28- 3.28
28	L8	Toxaphene{A}			----------NA----------			
29	L8	Toxaphene{B}			----------NA----------			
30	L8	Toxaphene{C}			----------NA----------			
31	L8	Toxaphene{D}			----------NA----------			
32	L8	Toxaphene{E}			----------NA----------			
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	118	0.00	2.28- 3.28
34		Chlordane {A}			----------NA----------			
35		Chlordane {B}			----------NA----------			
36		Chlordane {C}			----------NA----------			
37		Chlordane {D}			----------NA----------			
38		Chlordane {E}			----------NA----------			

(#) = Out of Range SPCC's out = 0 CCC's out = 0
8g62730.d 8PSTLVI2596a.M Thu Dec 05 05:54:04 2024

Run Sequence Report

Job Number: JE1300R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: G8G2596	**Method:** SW846 8081B	**Instrument ID:** GC8G

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G8G2596-DDT	8G60340.D	09/18/24 10:50	n/a	DDT/Endrin Breakdown Check
G8G2596-IC2596	8G60342.D	09/18/24 11:35	n/a	Initial cal 0.1
G8G2596-IC2596	8G60343.D	09/18/24 11:58	n/a	Initial cal 0.2
G8G2596-IC2596	8G60344.D	09/18/24 12:21	n/a	Initial cal 0.5
G8G2596-IC2596	8G60345.D	09/18/24 12:43	n/a	Initial cal 1
G8G2596-ICC2596	8G60346.D	09/18/24 13:06	n/a	Initial cal 2.5
G8G2596-IC2596	8G60347.D	09/18/24 13:29	n/a	Initial cal 5
G8G2596-IC2596	8G60348.D	09/18/24 13:51	n/a	Initial cal 7.5
G8G2596-IC2596	8G60349.D	09/18/24 14:14	n/a	Initial cal 10
G8G2596-ICV2596	8G60350.D	09/18/24 14:37	n/a	Initial cal verification 2.5
G8G2596-IC2596	8G60351.D	09/18/24 15:00	n/a	Initial cal 50
G8G2596-ICV2596	8G60352.D	09/18/24 15:22	n/a	Initial cal verification 50
G8G2596-IC2596	8G60353.D	09/18/24 15:45	n/a	Initial cal 50
G8G2596-ICV2596	8G60354.D	09/18/24 16:08	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JE1300R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: G8G2700	**Method:** SW846 8081B	**Instrument ID:** GC8G

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G8G2700-DDT	8G62762.D	12/03/24 00:19	n/a	DDT/Endrin Breakdown Check
G8G2700-CC2596	8G62764.D	12/03/24 01:07	n/a	Continuing cal 5
OP59820-MB1	8G62766.D	12/03/24 01:55	OP59820	Method Blank
OP59820-BS1	8G62767.D	12/03/24 02:19	OP59820	Blank Spike
OP59820-BSD	8G62768.D	12/03/24 02:43	OP59820	Blank Spike Duplicate
OP59833-MB1	8G62769.D	12/03/24 03:07	OP59833	Method Blank
OP59833-BS1	8G62770.D	12/03/24 03:31	OP59833	Blank Spike
ZZZZZZ	8G62771.D	12/03/24 03:55	OP59820	(unrelated sample)
OP59833-MS	8G62774.D	12/03/24 05:07	OP59833	Matrix Spike
OP59833-MSD	8G62775.D	12/03/24 05:31	OP59833	Matrix Spike Duplicate
JE1300-10R	8G62777.D	12/03/24 06:19	OP59833	GRID-4(2.0-2.5)
JE1300-21R	8G62778.D	12/03/24 06:43	OP59833	GRID-11R
JE1300-32R	8G62779.D	12/03/24 07:06	OP59833	GRID-10R
JE1300-44R	8G62780.D	12/03/24 07:30	OP59833	GRID-21R
ZZZZZZ	8G62781.D	12/03/24 07:53	OP59742	(unrelated sample)
ZZZZZZ	8G62782.D	12/03/24 08:17	OP59740	(unrelated sample)

Run Sequence Report

Job Number: JE1300R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: G8G2702	**Method:** SW846 8081B	**Instrument ID:** GC8G

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G8G2702-DDT	8G62793.D	12/03/24 13:36	n/a	DDT/Endrin Breakdown Check
G8G2702-CC2596	8G62795A.D	12/03/24 14:22	n/a	Continuing cal 5
OP59826-MB1	8G62797.D	12/03/24 17:48	OP59826	Method Blank
OP59826-BS1	8G62798.D	12/03/24 18:11	OP59826	Blank Spike
OP59826-MS	8G62799.D	12/03/24 18:35	OP59826	Matrix Spike
OP59826-MSD	8G62800.D	12/03/24 18:59	OP59826	Matrix Spike Duplicate
JE1369-4	8G62801.D	12/03/24 19:23	OP59826	(used for QC only; not part of job JE1300R)
ZZZZZZ	8G62802.D	12/03/24 19:48	OP59826	(unrelated sample)
ZZZZZZ	8G62803.D	12/03/24 20:12	OP59826	(unrelated sample)
ZZZZZZ	8G62804.D	12/03/24 20:36	OP59826	(unrelated sample)
ZZZZZZ	8G62805.D	12/03/24 21:01	OP59826	(unrelated sample)

Run Sequence Report

Job Number: JE1300R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: G8G2704 **Method:** SW846 8081B **Instrument ID:** GC8G

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G8G2704-DDT	8G62843.D	12/04/24 14:33	n/a	DDT/Endrin Breakdown Check
G8G2704-CC2596	8G62845A.D	12/04/24 15:22	n/a	Continuing cal 5
OP59852-MB1	8G62847.D	12/04/24 16:11	OP59852	Method Blank
OP59852-BS1	8G62848.D	12/04/24 16:36	OP59852	Blank Spike
OP59852-MS	8G62849.D	12/04/24 17:01	OP59852	Matrix Spike
OP59852-MSD	8G62850.D	12/04/24 17:26	OP59852	Matrix Spike Duplicate
JE1037-1	8G62851.D	12/04/24 17:51	OP59852	(used for QC only; not part of job JE1300R)
ZZZZZZ	8G62852.D	12/04/24 18:16	OP59852	(unrelated sample)
ZZZZZZ	8G62853.D	12/04/24 18:41	OP59852	(unrelated sample)
ZZZZZZ	8G62855.D	12/04/24 19:32	OP59852	(unrelated sample)
ZZZZZZ	8G62856.D	12/04/24 19:58	OP59852	(unrelated sample)
ZZZZZZ	8G62857.D	12/04/24 20:23	OP59852	(unrelated sample)
ZZZZZZ	8G62858.D	12/04/24 20:48	OP59852	(unrelated sample)
ZZZZZZ	8G62861.D	12/04/24 22:30	OP59826	(unrelated sample)
JE1300-32R	8G62862.D	12/04/24 22:54	OP59833	GRID-10R
ZZZZZZ	8G62863.D	12/04/24 23:19	OP59826	(unrelated sample)
ZZZZZZ	8G62864.D	12/04/24 23:45	OP59827	(unrelated sample)
ZZZZZZ	8G62865.D	12/05/24 00:11	OP59827	(unrelated sample)
ZZZZZZ	8G62866.D	12/05/24 00:37	OP59827	(unrelated sample)

GC/LC Semi-volatiles

Raw Data

Manual Integrations APPROVED (compounds with "m" flag)
Syra Marie Pacheco 12/04/24 02:29

Quantitation Report (QT Reviewed)

Data Path : V:\completed\2024\12. December\12-03-2024\g8g2700_2\
Data File : 8g62777.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 6:19 am
Operator : christp
Sample : je1300-10r m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 06:50:56 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1)	I 1-bromo-2...	2.403	2.768	346.2E6	749.9E6	5.000	5.000
27)	I 1-bromo-2...	2.403	2.768	346.2E6	749.9E6	5.000	5.000
33)	I 1-bromo-2...	2.403	2.766	346.2E6	751.8E6	5.000	5.000m
	System Monitoring Compounds						
2)	SAB Tetrachlo...	2.952	3.650	239.2E6	589.7E6	3.581	3.210m
	Spiked Amount 40.000	Range 30 - 150		Recovery =		8.95%#	8.03%#
26)	SA Decachlor...	10.614	12.996	226.4E6	363.2E6	3.523m	3.495m
	Spiked Amount 40.000			Recovery =		8.81%	8.74%
	Target Compounds						
11)	B Heptachlo...	5.421	6.924	125.7E6	263.5E6	1.601m	1.511
12)	B gamma-Chl...	5.594	7.232	17929324	44352416	0.214m	0.257m
13)	B alpha-Chl...	5.775	7.471	115.2E6	227.0E6	1.478m	1.325m
15)	B 4,4'-DDE	5.879	7.723	105.3E6	227.8E6	1.319	1.372m
18)	A 4,4'-DDD	6.767	8.721	4843559	12842119	0.072m	0.088m
20)	MA 4,4'-DDT	7.204	9.280	30617625	67008628	0.454m	0.555m
23)	A Methoxychlor	8.004	10.509	6345560	10704815	0.162m	0.178m
	SemiQuant Compounds - Not Calibrated on this Instrument						

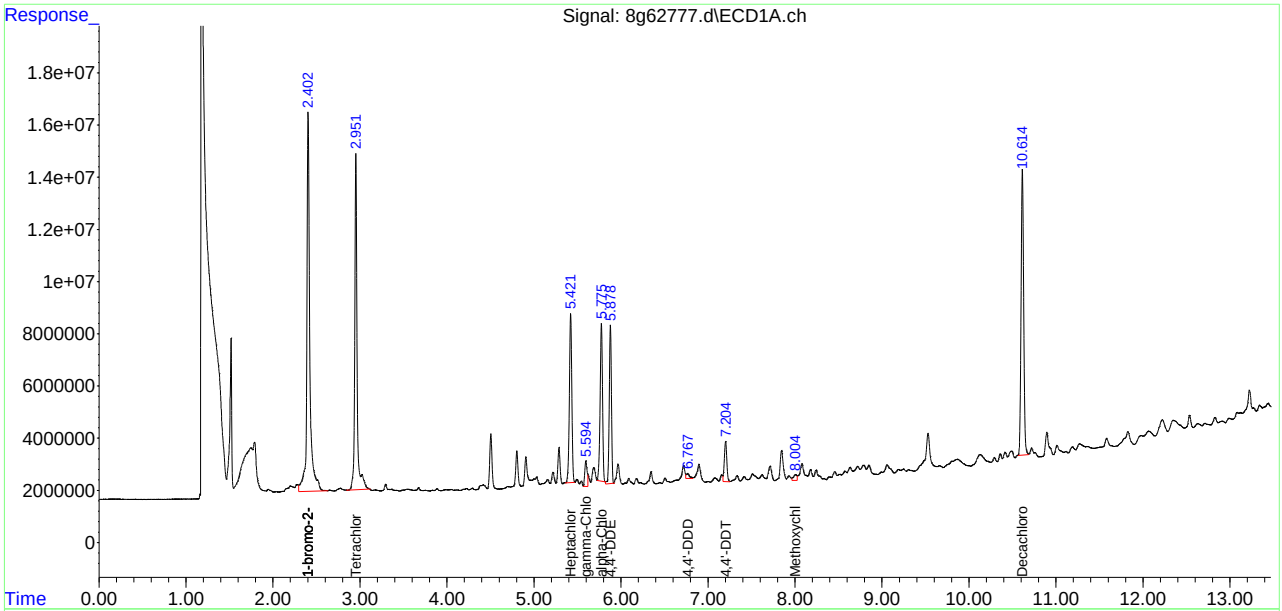
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

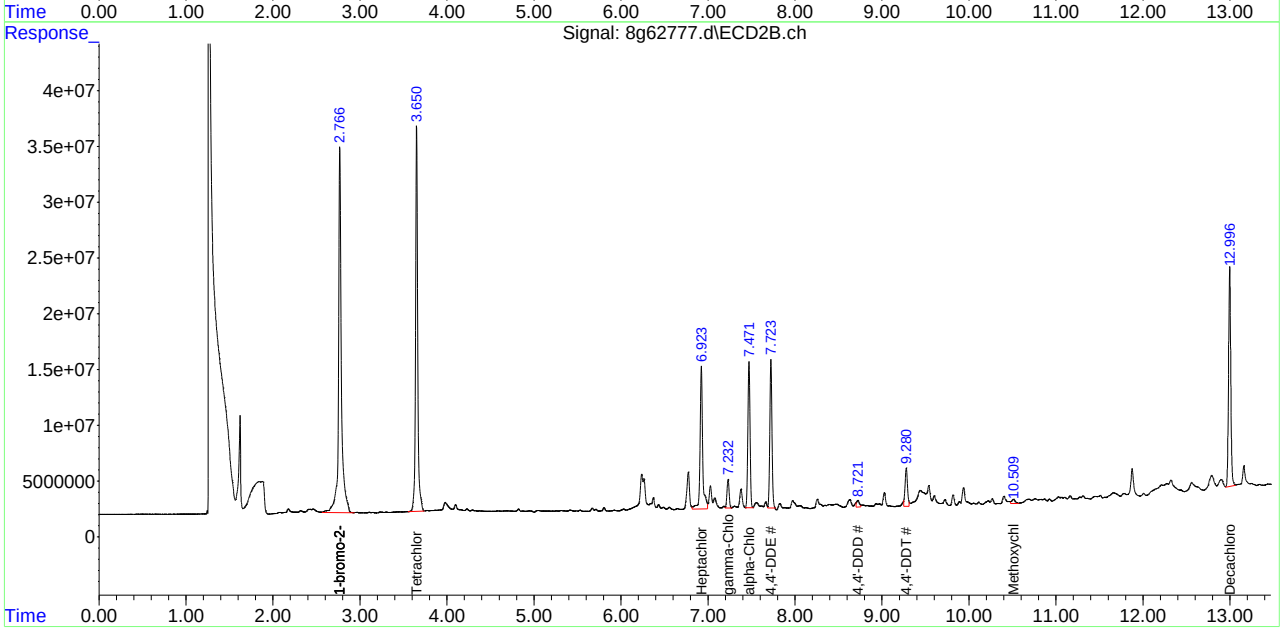
Quantitation Report (QT Reviewed)

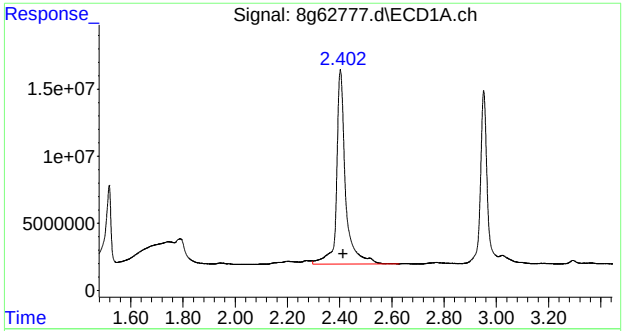
Data Path : V:\completed\2024\12. December\12-03-2024\g8g2700_2\
Data File : 8g62777.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 6:19 am
Operator : christp
Sample : je1300-10r m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 06:50:56 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

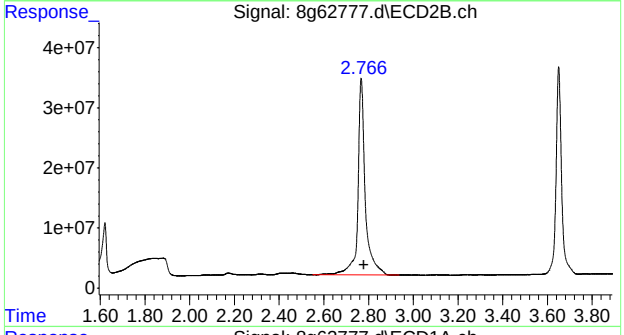






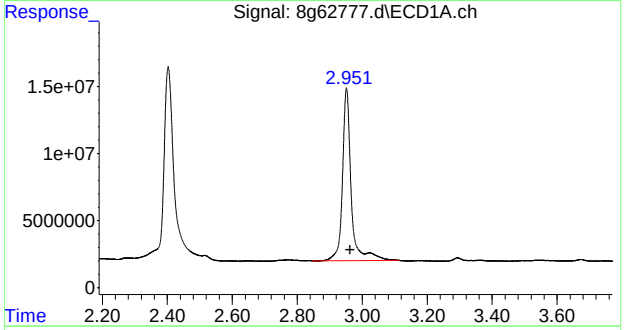
#1 1-bromo-2-nitrobenzene

R.T.: 2.403 min
Delta R.T.: -0.010 min
Response: 346195004
Conc: 5.00 PPB



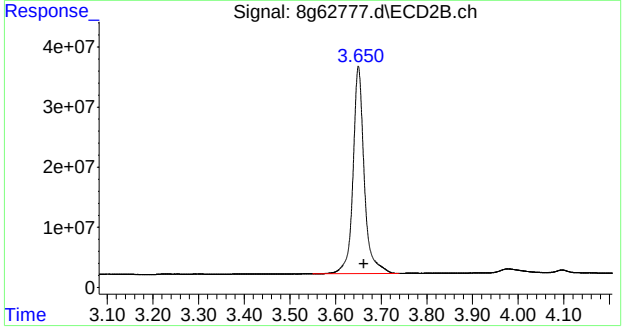
#1 1-bromo-2-nitrobenzene

R.T.: 2.768 min
Delta R.T.: -0.011 min
Response: 749853688
Conc: 5.00 PPB



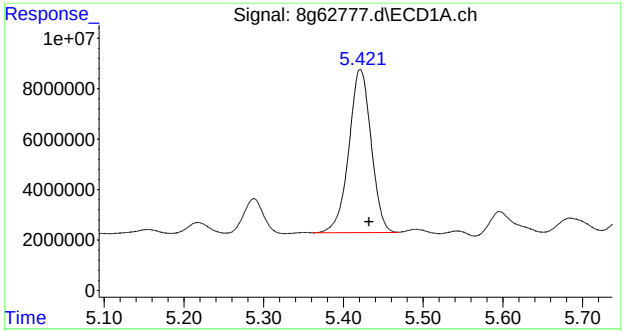
#2 Tetrachloro-m-xylene

R.T.: 2.952 min
Delta R.T.: -0.010 min
Response: 239152095
Conc: 3.58 PPB



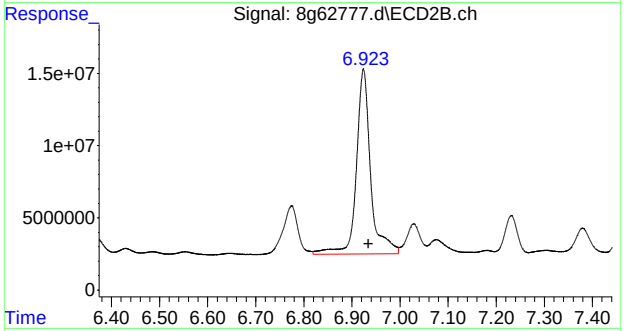
#2 Tetrachloro-m-xylene

R.T.: 3.650 min
Delta R.T.: -0.012 min
Response: 589680097
Conc: 3.21 PPB m



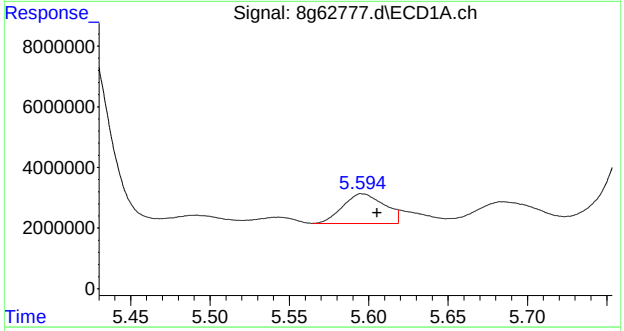
#11 Heptachlor Epoxide

R.T.: 5.421 min
Delta R.T.: -0.011 min
Response: 125721461
Conc: 1.60 PPB m



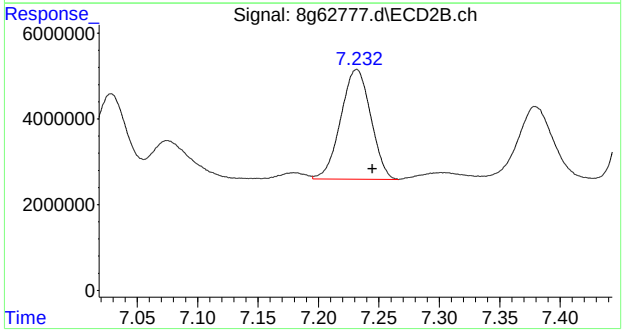
#11 Heptachlor Epoxide

R.T.: 6.924 min
Delta R.T.: -0.010 min
Response: 263485000
Conc: 1.51 PPB



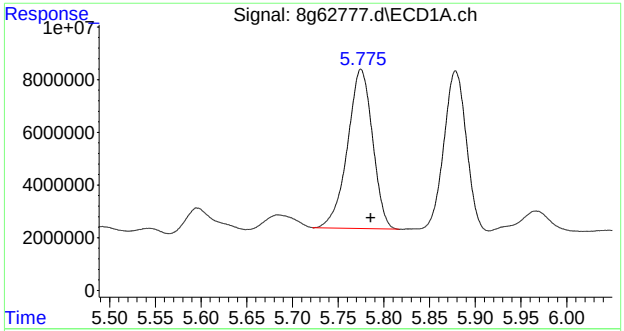
#12 gamma-Chlordane

R.T.: 5.594 min
Delta R.T.: -0.011 min
Response: 17929324
Conc: 0.21 PPB m



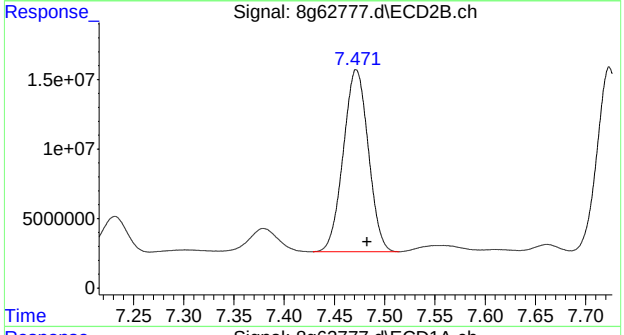
#12 gamma-Chlordane

R.T.: 7.232 min
Delta R.T.: -0.013 min
Response: 44352416
Conc: 0.26 PPB m



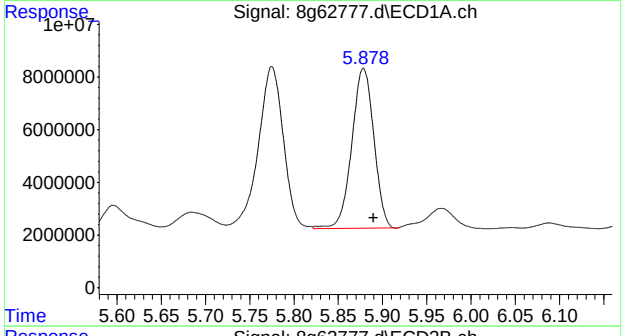
#13 alpha-Chlordane

R.T.: 5.775 min
Delta R.T.: -0.011 min
Response: 115235503
Conc: 1.48 PPB m



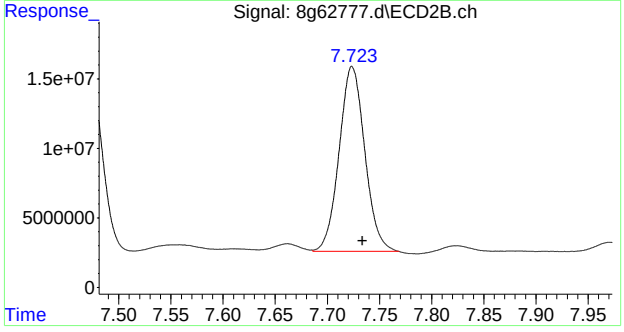
#13 alpha-Chlordane

R.T.: 7.471 min
Delta R.T.: -0.012 min
Response: 227011525
Conc: 1.33 PPB m



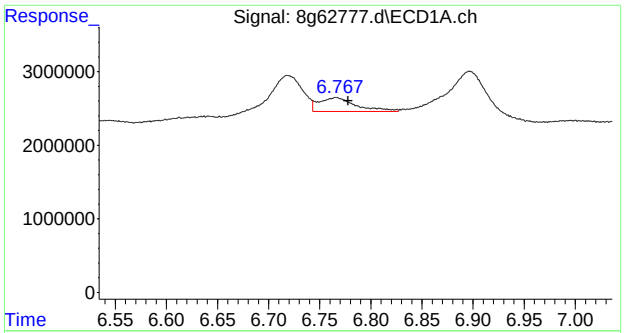
#15 4,4'-DDE

R.T.: 5.879 min
Delta R.T.: -0.011 min
Response: 105254147
Conc: 1.32 PPB



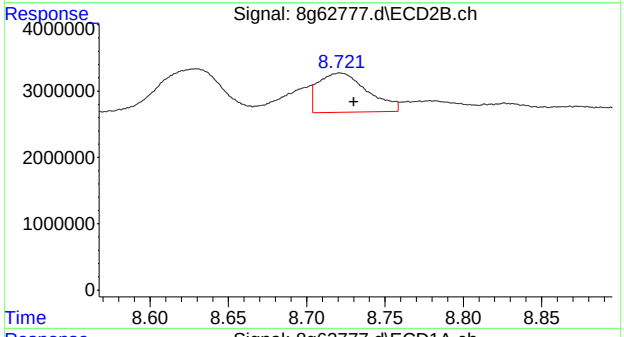
#15 4,4'-DDE

R.T.: 7.723 min
Delta R.T.: -0.010 min
Response: 227769478
Conc: 1.37 PPB m



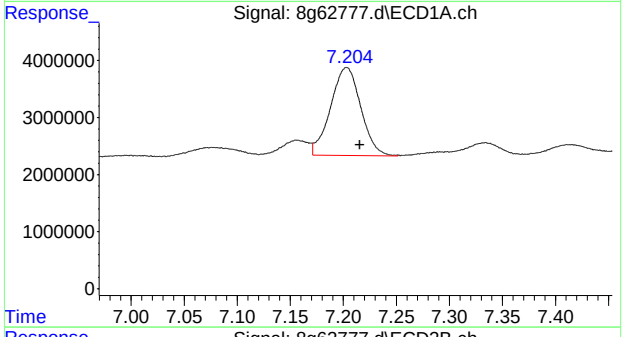
#18 4,4'-DDD

R.T.: 6.767 min
Delta R.T.: -0.010 min
Response: 4843559
Conc: 0.07 PPB m



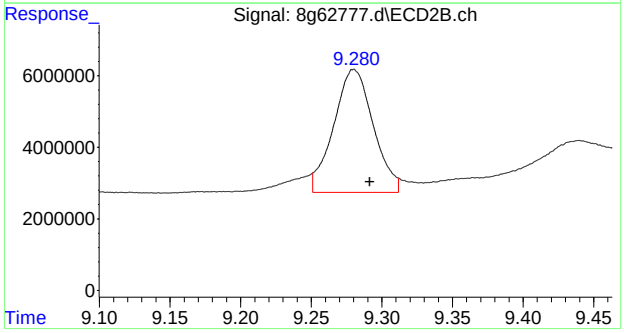
#18 4,4'-DDD

R.T.: 8.721 min
Delta R.T.: -0.010 min
Response: 12842119
Conc: 0.09 PPB m



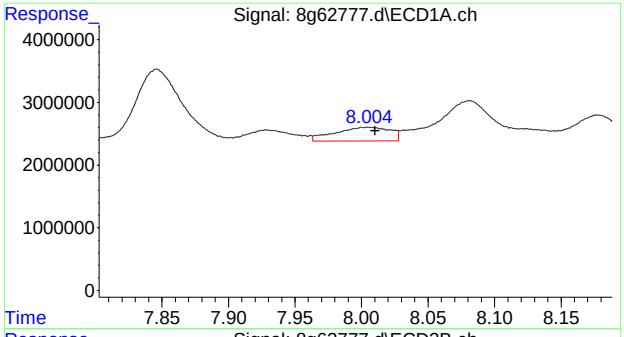
#20 4,4'-DDT

R.T.: 7.204 min
Delta R.T.: -0.012 min
Response: 30617625
Conc: 0.45 PPB m



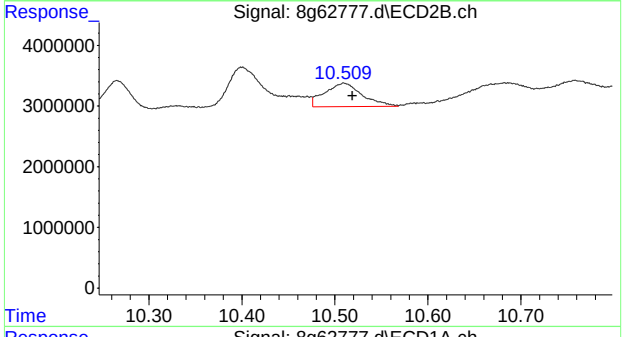
#20 4,4'-DDT

R.T.: 9.280 min
Delta R.T.: -0.011 min
Response: 67008628
Conc: 0.55 PPB m



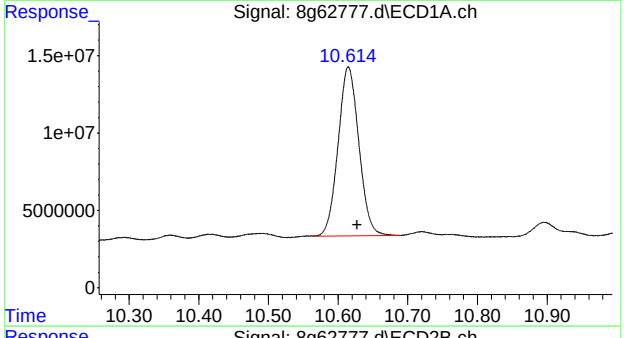
#23 Methoxychlor

R.T.: 8.004 min
Delta R.T.: -0.007 min
Response: 6345560
Conc: 0.16 PPB m



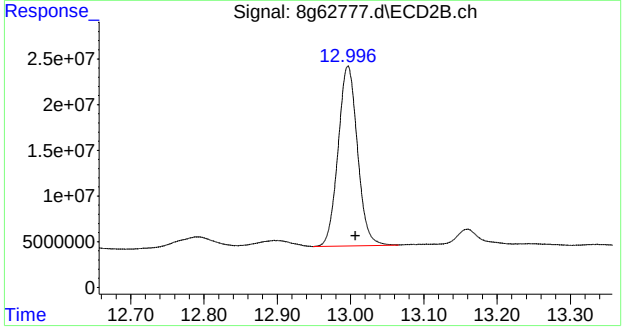
#23 Methoxychlor

R.T.: 10.509 min
Delta R.T.: -0.010 min
Response: 10704815
Conc: 0.18 PPB m



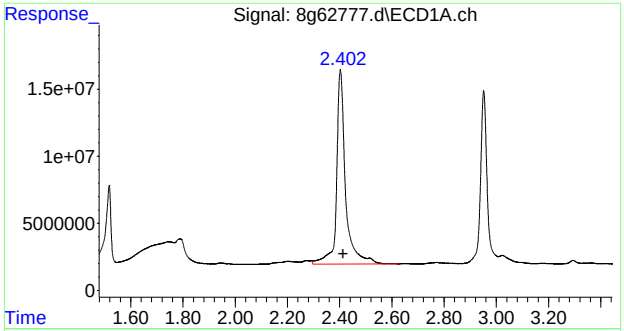
#26 Decachlorobiphenyl

R.T.: 10.614 min
Delta R.T.: -0.013 min
Response: 226357349
Conc: 3.52 PPB m



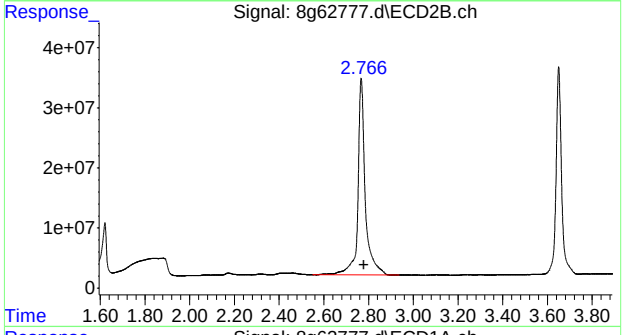
#26 Decachlorobiphenyl

R.T.: 12.996 min
Delta R.T.: -0.010 min
Response: 363153768
Conc: 3.49 PPB m



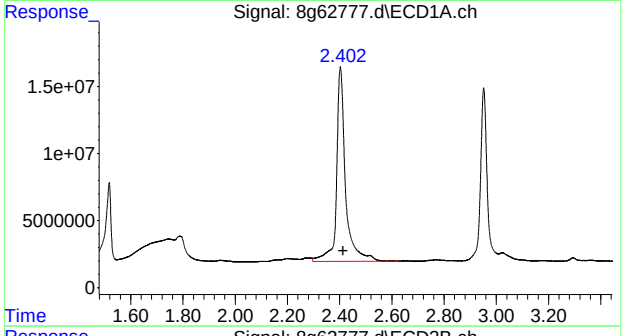
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.403 min
Delta R.T.: -0.010 min
Response: 346195004
Conc: 5.00 PPB



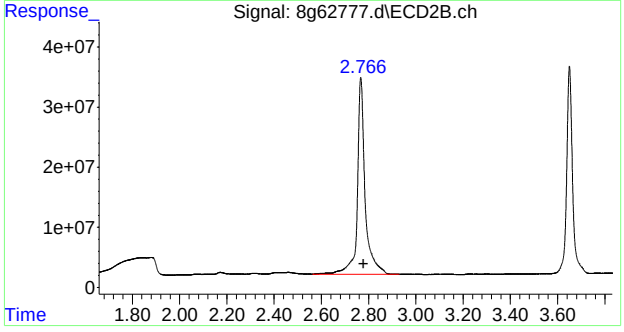
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.768 min
Delta R.T.: -0.011 min
Response: 749853688
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.403 min
Delta R.T.: -0.010 min
Response: 346195004
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.766 min
Delta R.T.: -0.012 min
Response: 751814422
Conc: 5.00 PPB m

Manual Integration Approval Summary

Sample Number: JE1300-10R
Lab FileID: 8G62777.D
Injection Time: 12/03/24 06:19
Method: SW846 8081B
Analyst approved: 12/04/24 02:05 Syra Marie Pacheco
Supervisor approved: 12/04/24 02:29 Syra Marie Pacheco

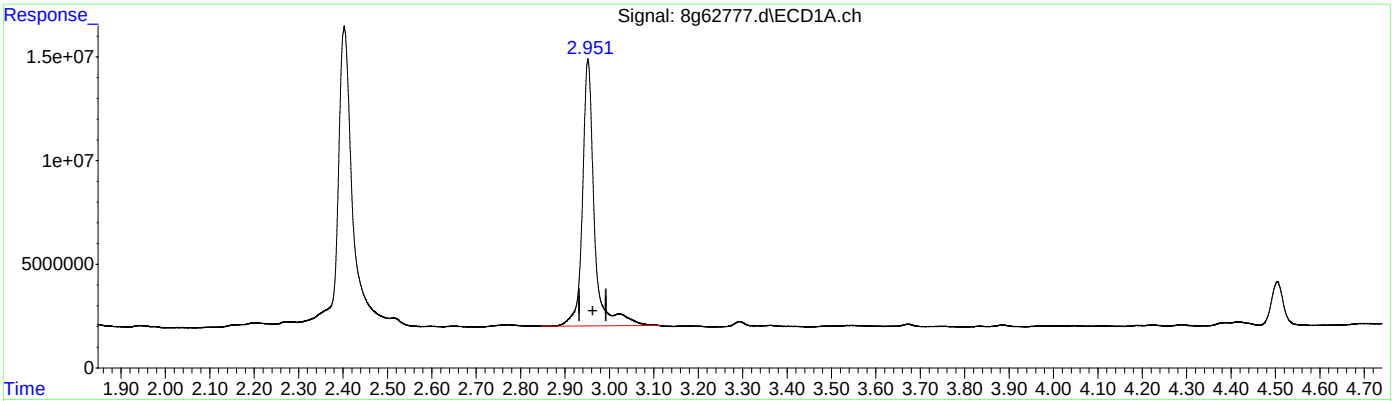
Parameter	CAS	Sig#	R.T. (min.)	Reason
Tetrachloro-m-xylene	877-09-8	2	3.65	Poorly defined baseline
Heptachlor epoxide	1024-57-3	1	5.42	Poorly defined baseline
gamma-Chlordane	5103-74-2	1	5.59	Poorly defined baseline
alpha-Chlordane	5103-71-9	1	5.77	Poorly defined baseline
4,4'-DDD	72-54-8	1	6.77	Poorly defined baseline
4,4'-DDT	50-29-3	1	7.20	Poorly defined baseline
gamma-Chlordane	5103-74-2	2	7.23	Poorly defined baseline
alpha-Chlordane	5103-71-9	2	7.47	Poorly defined baseline
4,4'-DDE	72-55-9	2	7.72	Poorly defined baseline
Methoxychlor	72-43-5	1	8.00	Poorly defined baseline
4,4'-DDD	72-54-8	2	8.72	Poorly defined baseline
4,4'-DDT	50-29-3	2	9.28	Poorly defined baseline
Methoxychlor	72-43-5	2	10.51	Poorly defined baseline
Decachlorobiphenyl	2051-24-3	1	10.61	Poorly defined baseline
Decachlorobiphenyl	2051-24-3	2	13.00	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62777.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 6:19 am
Operator : christp
Sample : je1300-10r m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 15:57:22 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(2) Tetrachloro-m-xylene (SAB)

2.952min 3.581 PPB

response 239152095

(2) Tetrachloro-m-xylene #2 (SAB)

3.651min 3.207 PPB

response 589196528

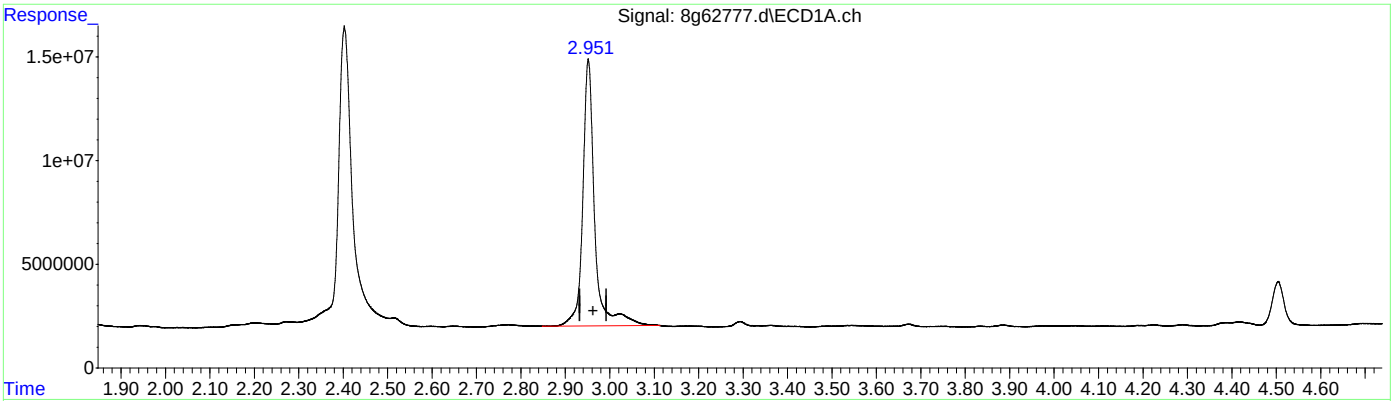
(+) = Expected Retention Time

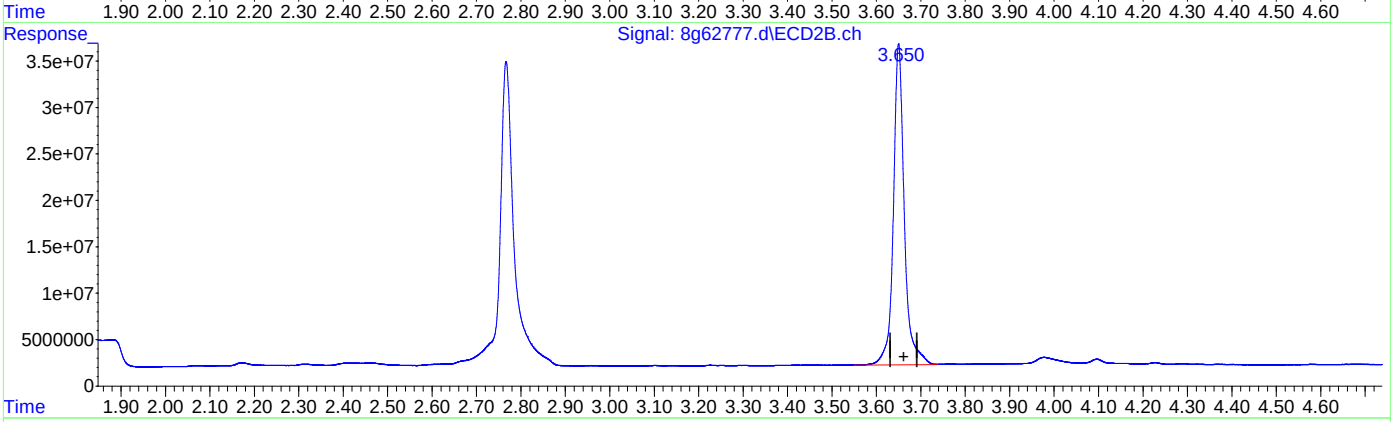
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62777.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 6:19 am
Operator : christp
Sample : je1300-10r m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 15:57:22 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(2) Tetrachloro-m-xylene (SAB)

2.952min 3.581 PPB

response 239152095

(2) Tetrachloro-m-xylene #2 (SAB)

3.650min 3.210 PPB m

response 589680097

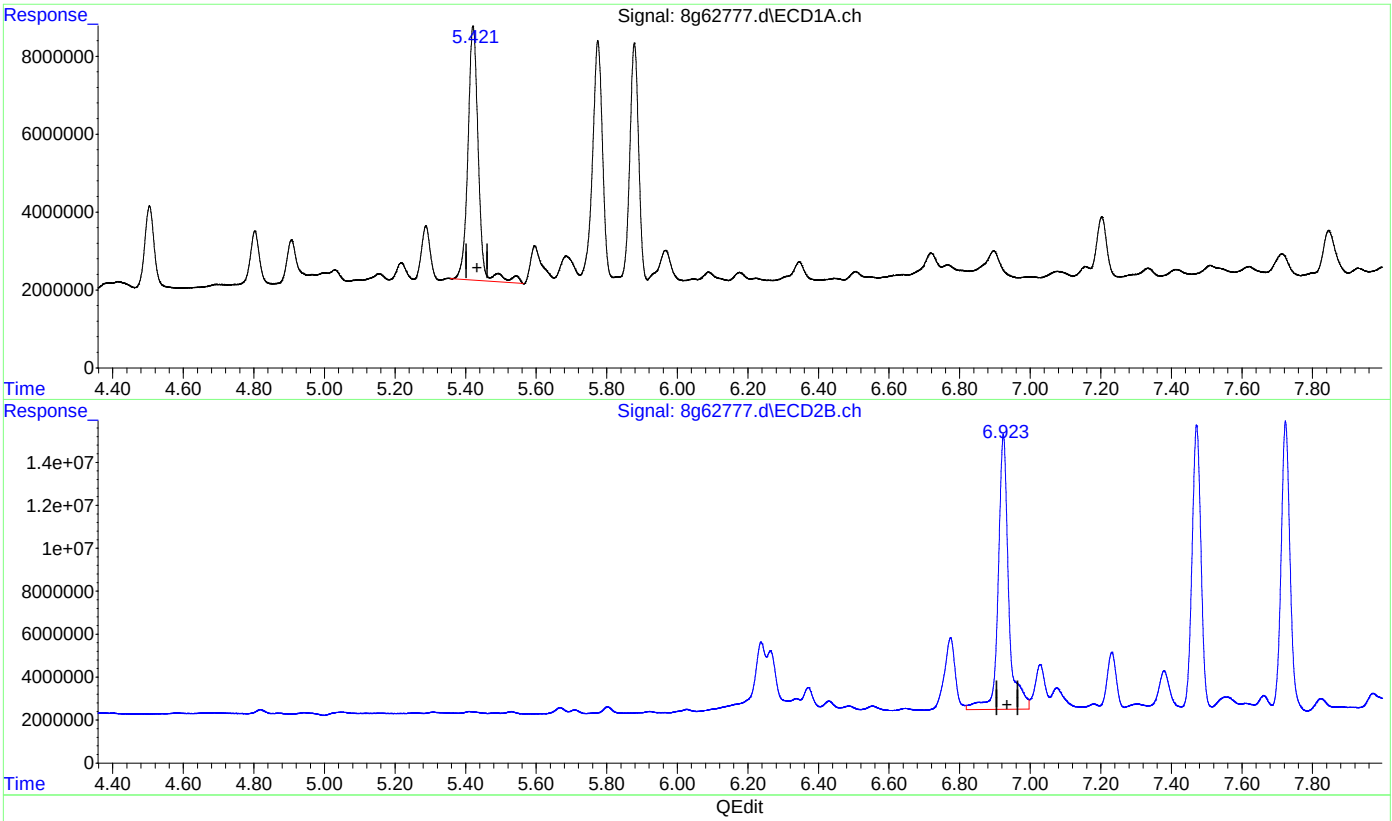
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 16:10:41 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62777.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 6:19 am
Operator : christp
Sample : je1300-10r m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 15:57:22 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(11) Heptachlor Epoxide (B)

5.421min 1.720 PPB

response 135038606

(11) Heptachlor Epoxide #2 (B)

6.924min 1.511 PPB

response 263485000

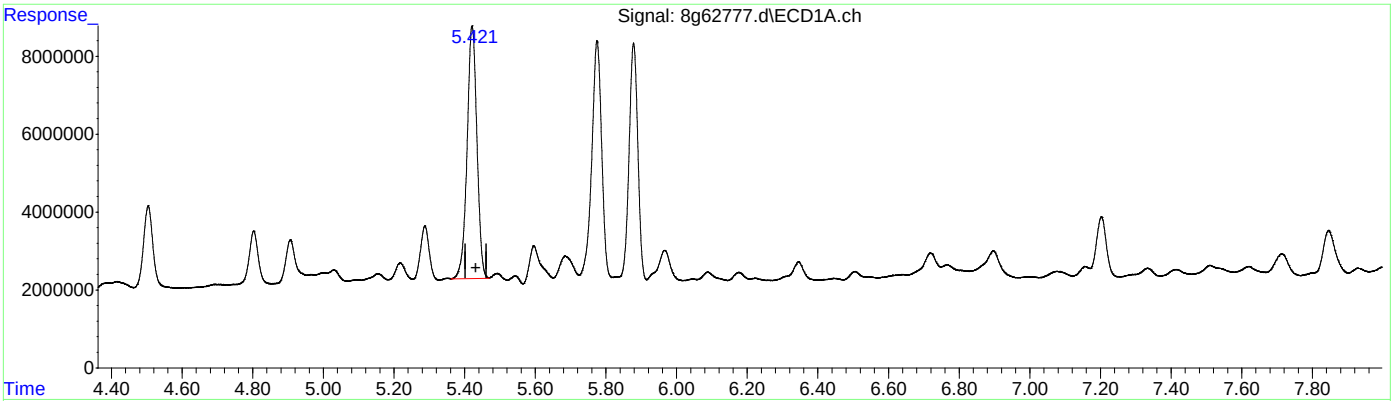
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 16:12:50 2024

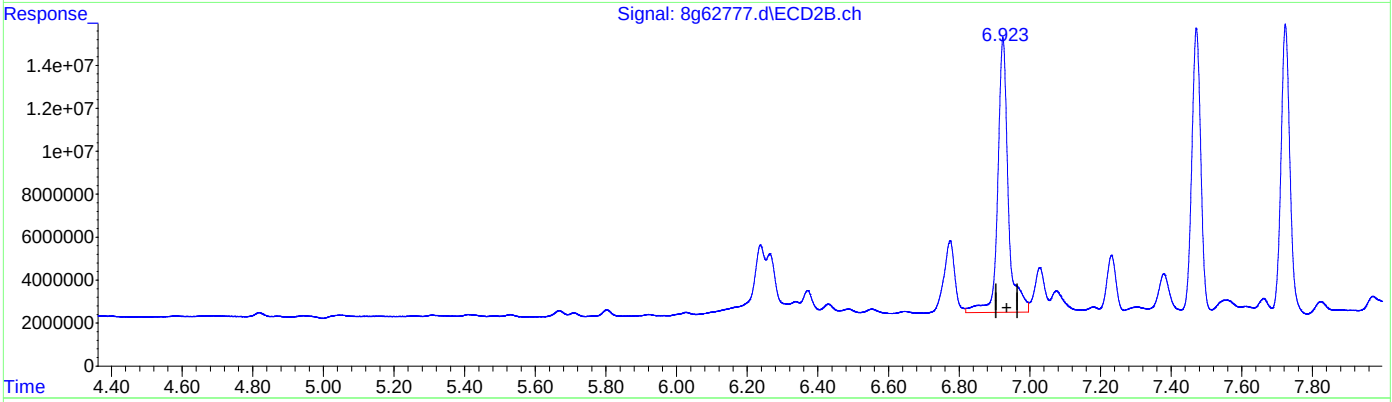
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62777.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 6:19 am
Operator : christp
Sample : je1300-10r m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 15:57:22 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(11) Heptachlor Epoxide (B)

5.421min 1.601 PPB m

response 125721461

(11) Heptachlor Epoxide #2 (B)

6.924min 1.511 PPB

response 263485000

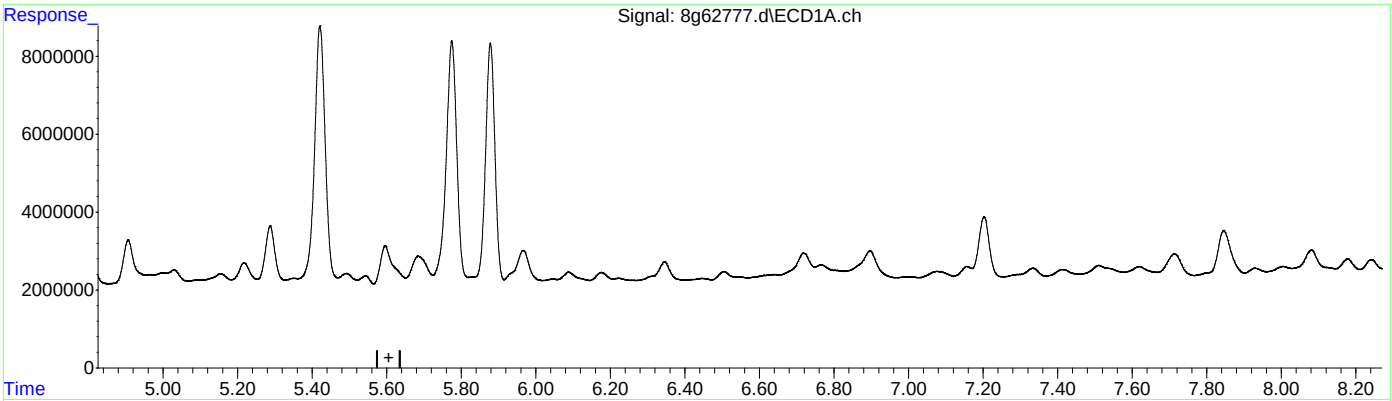
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 16:13:55 2024

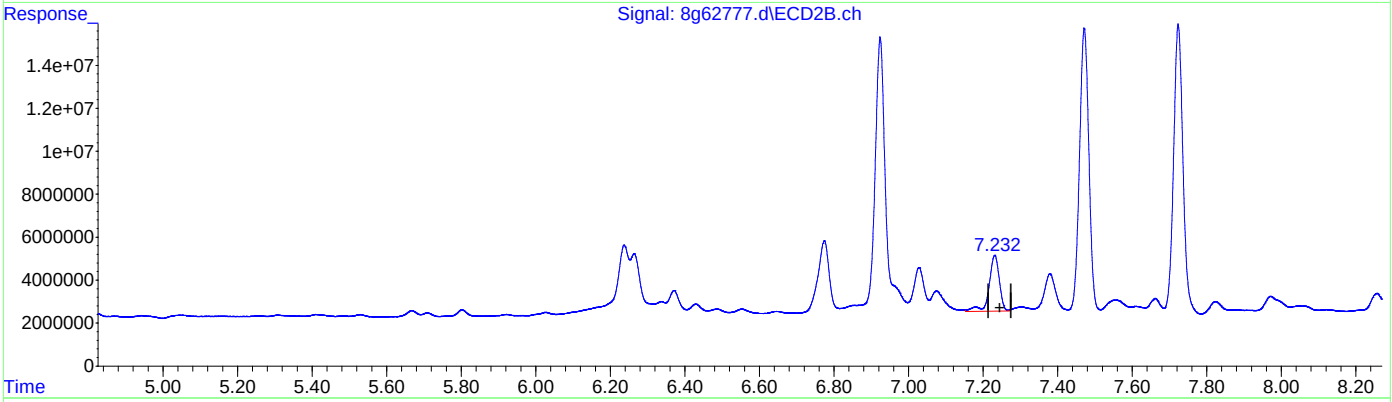
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62777.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 6:19 am
Operator : christp
Sample : je1300-10r m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 15:57:22 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(12) gamma-Chlordane (B)

0.000min 0.000 PPB

response 0

(12) gamma-Chlordane #2 (B)

7.231min 0.287 PPB

response 49421791

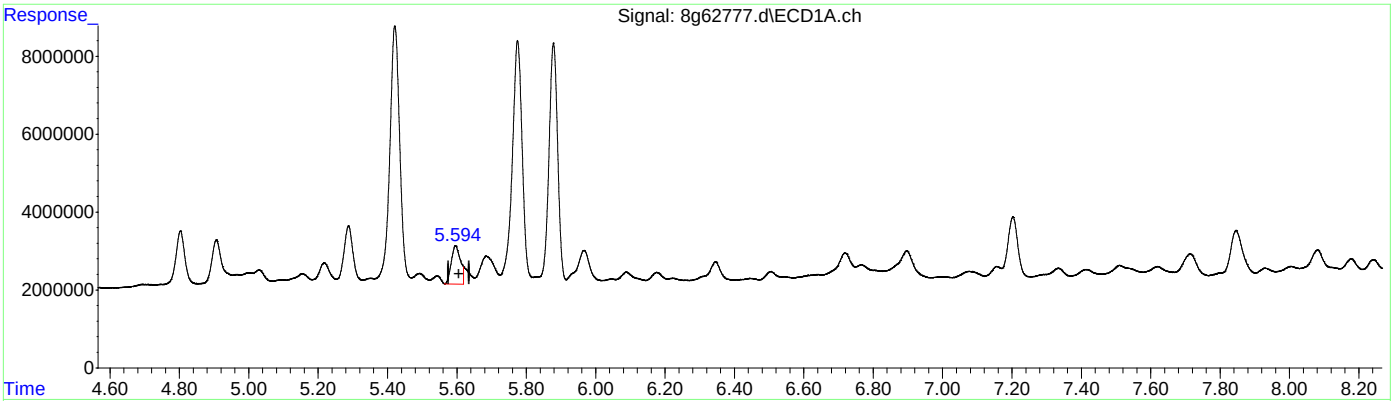
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 16:14:22 2024

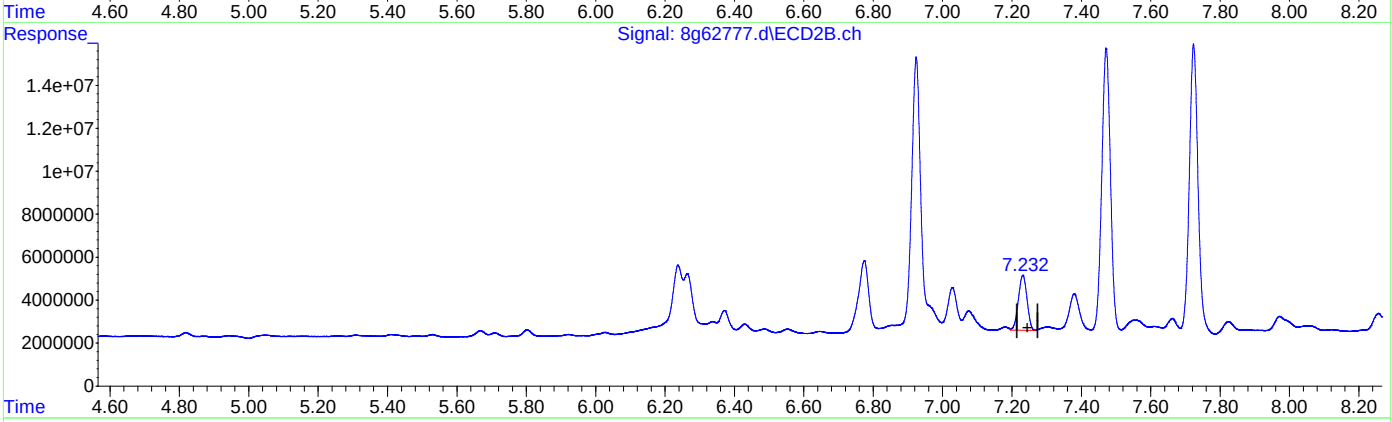
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62777.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 6:19 am
Operator : christp
Sample : je1300-10r m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 15:57:22 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(12) gamma-Chlordane (B)

5.594min 0.214 PPB m

response 17929324

(12) gamma-Chlordane #2 (B)

7.232min 0.257 PPB m

response 44352416

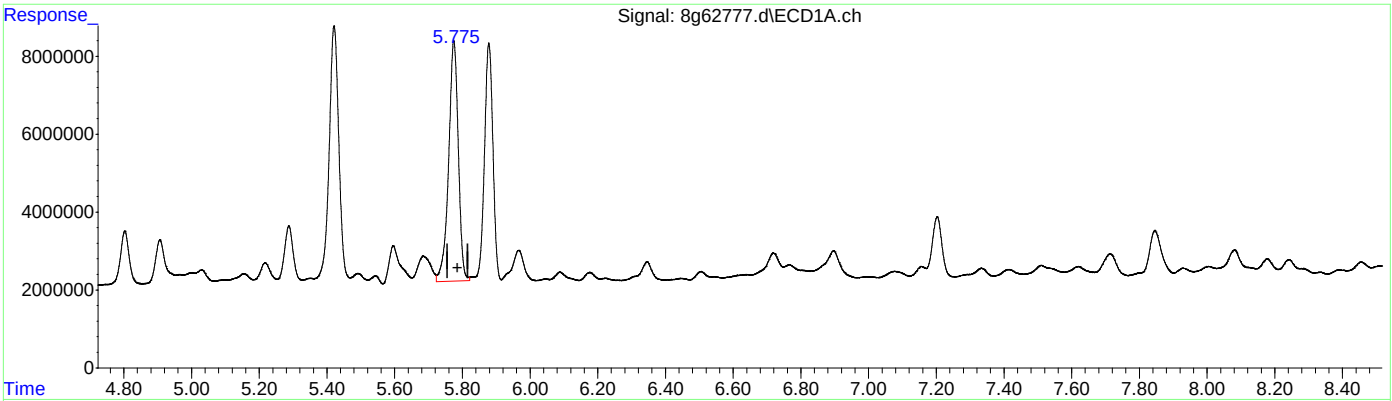
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 16:15:48 2024

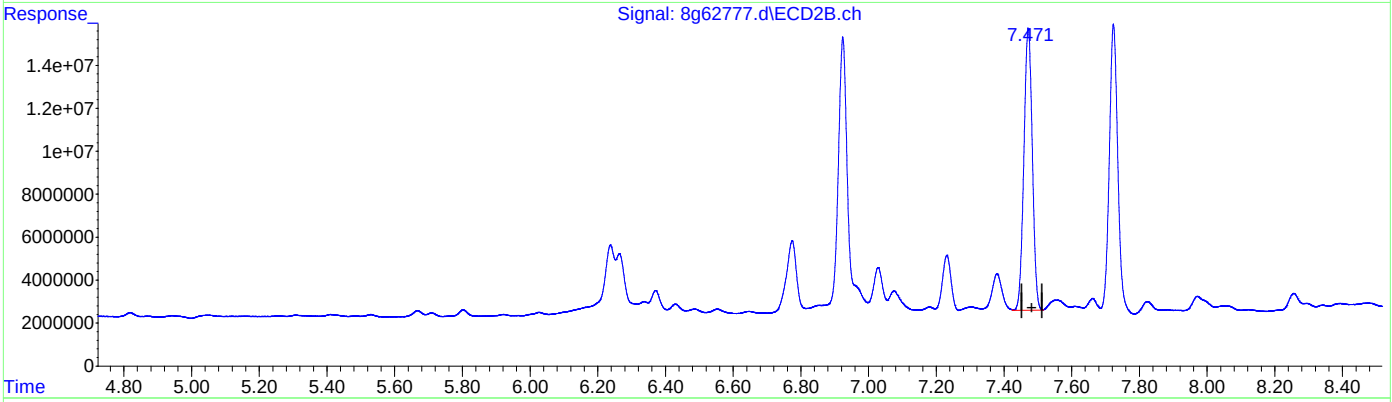
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62777.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 6:19 am
Operator : christp
Sample : je1300-10r m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 15:57:22 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(13) alpha-Chlordane (B)

5.775min 1.574 PPB

response 122696539

(13) alpha-Chlordane #2 (B)

7.472min 1.328 PPB

response 227523186

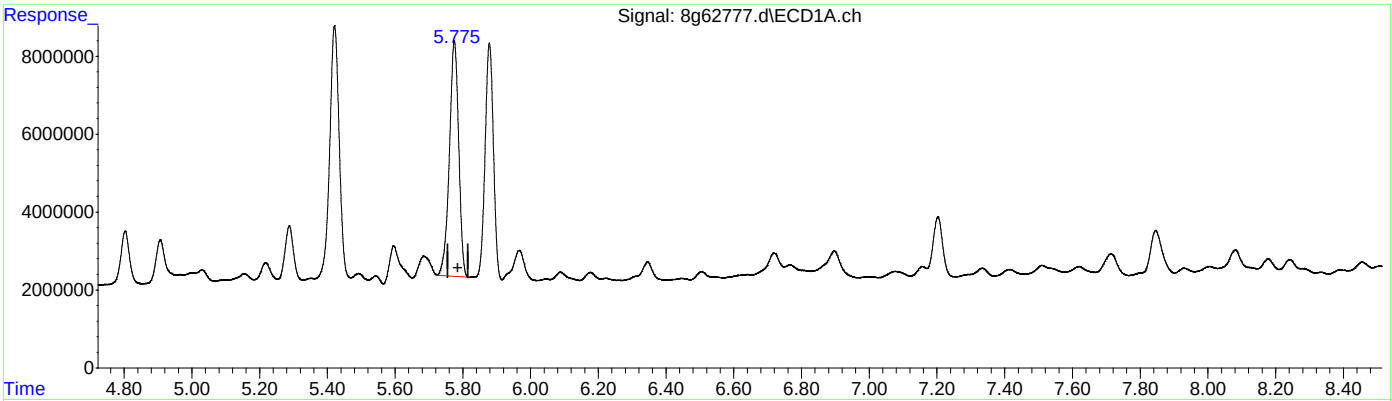
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 16:15:58 2024

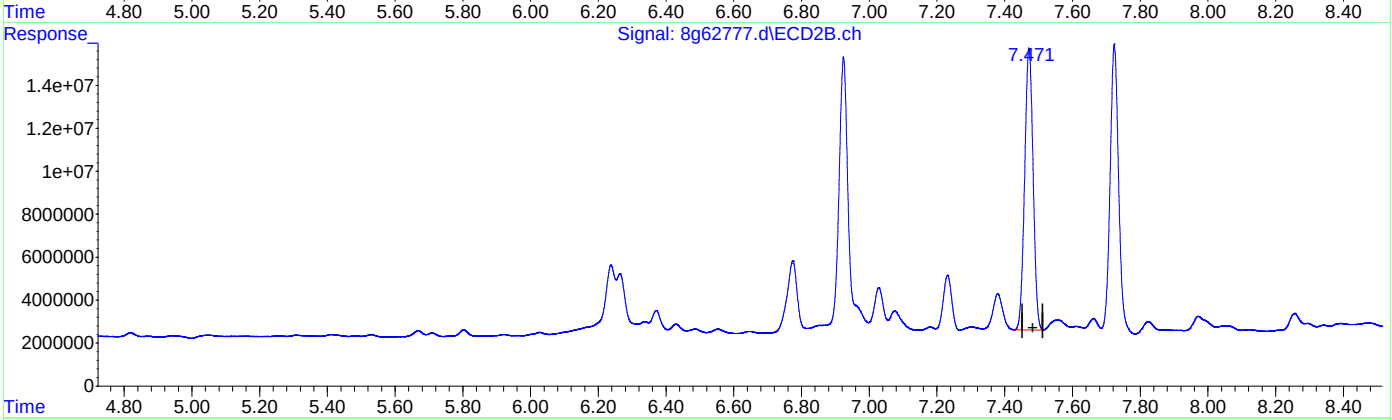
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62777.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 6:19 am
Operator : christp
Sample : je1300-10r m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 15:57:22 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(13) alpha-Chlordane (B)

5.775min 1.478 PPB m

response 115235503

(13) alpha-Chlordane #2 (B)

7.471min 1.325 PPB m

response 227011525

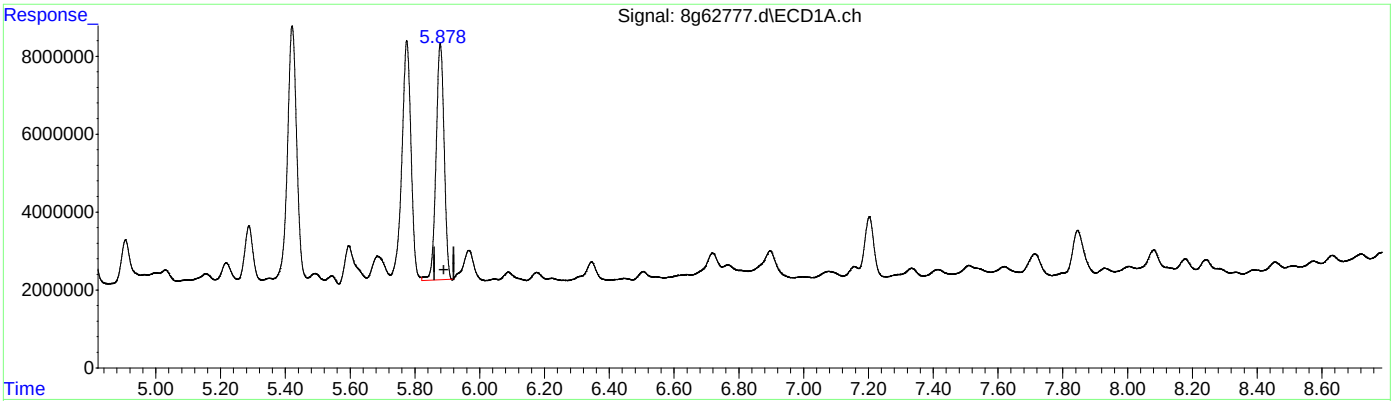
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 16:16:26 2024

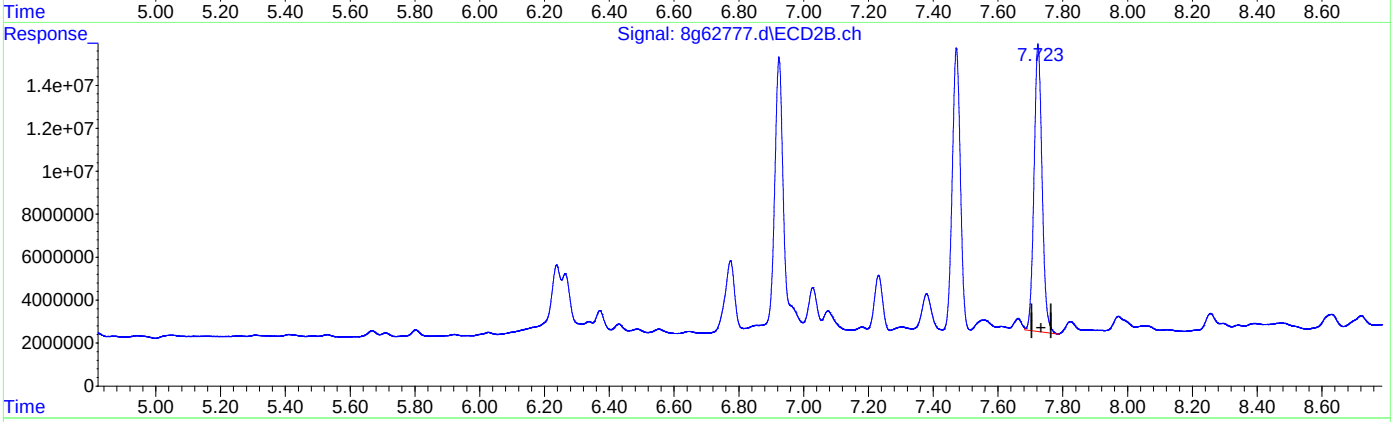
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62777.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 6:19 am
Operator : christp
Sample : je1300-10r m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 15:57:22 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(15) 4,4'-DDE (B)

5.879min 1.319 PPB

response 105254147

(15) 4,4'-DDE #2 (B)

7.724min 1.394 PPB

response 231455406

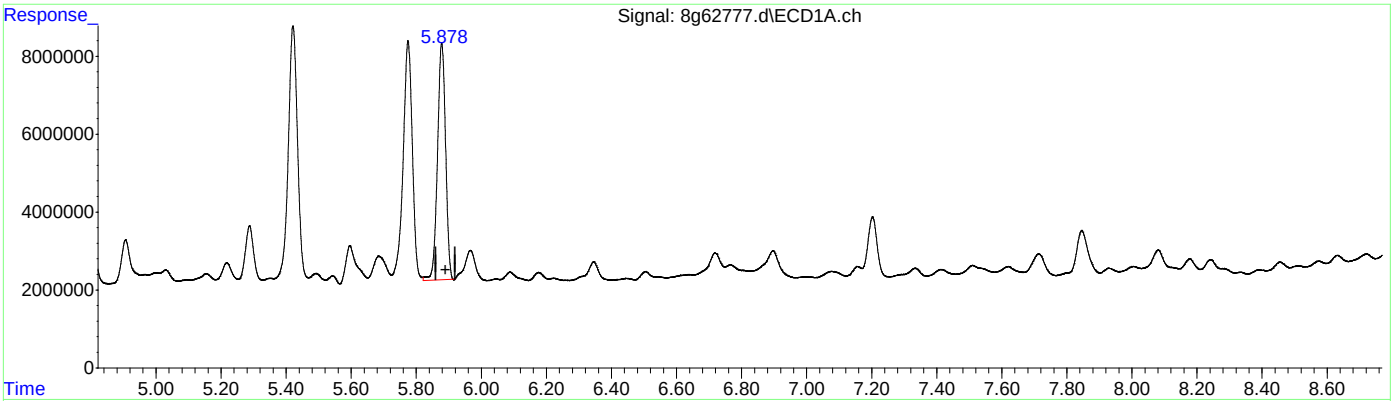
(+) = Expected Retention Time

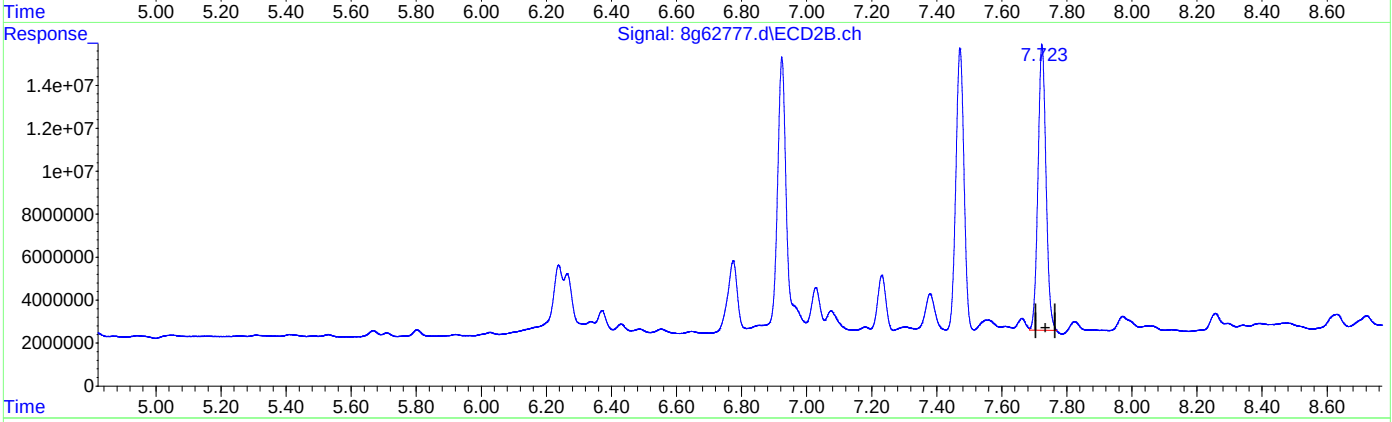
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62777.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 6:19 am
Operator : christp
Sample : je1300-10r m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 15:57:22 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(15) 4,4'-DDE (B)

5.879min 1.319 PPB

response 105254147

(15) 4,4'-DDE #2 (B)

7.723min 1.372 PPB m

response 227769478

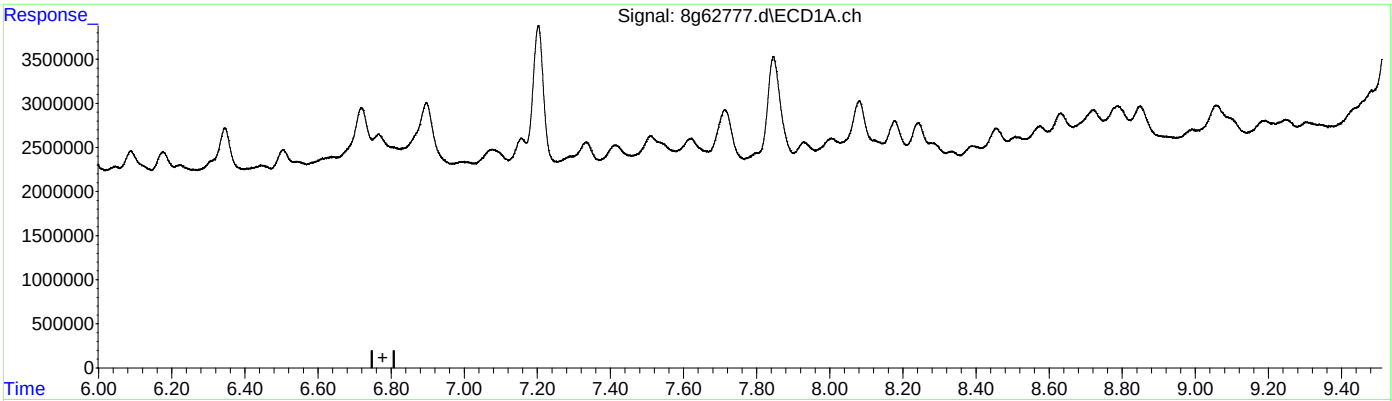
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 16:18:04 2024

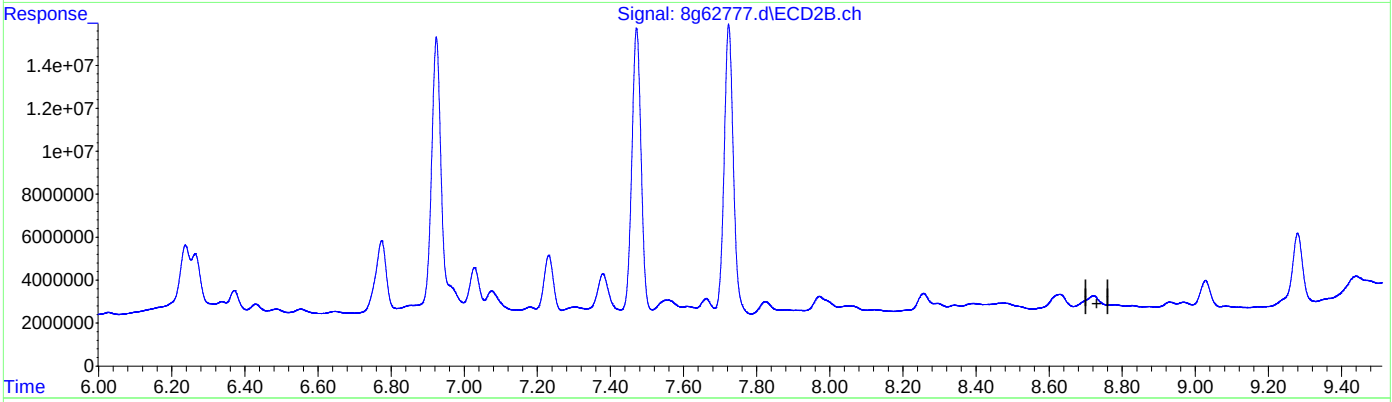
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62777.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 6:19 am
Operator : christp
Sample : je1300-10r m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 15:57:22 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(18) 4,4'-DDD (A)

0.000min 0.000 PPB

response 0

(18) 4,4'-DDD #2 (A)

0.000min 0.000 PPB

response 0

(+) = Expected Retention Time

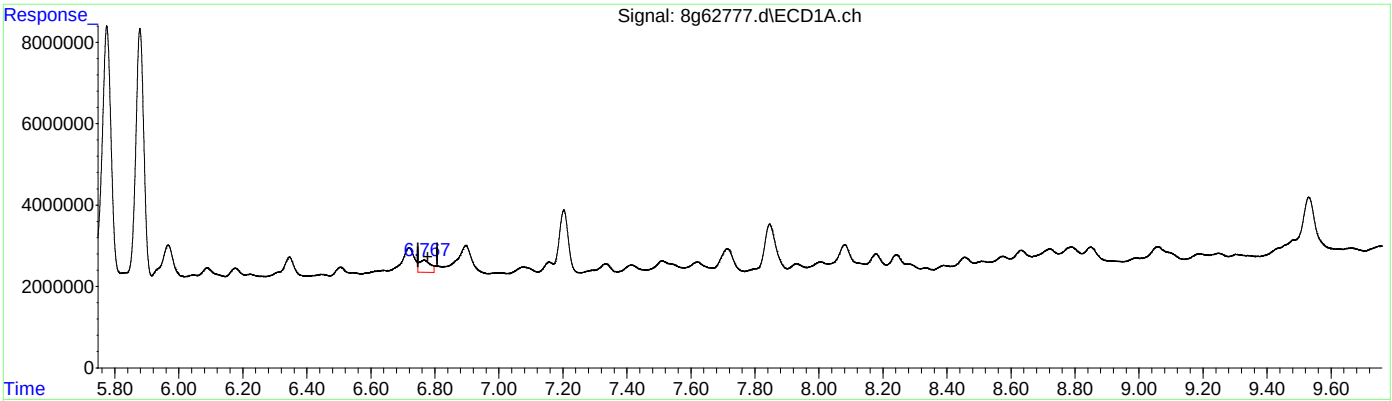
8PSTLVI2596a.M Tue Dec 03 16:19:14 2024 Page: 1

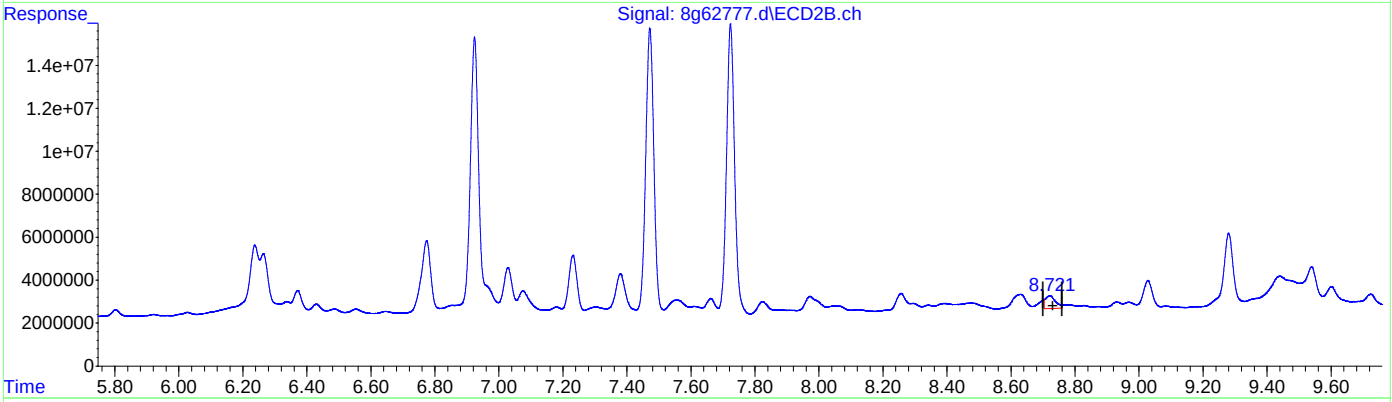
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62777.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 6:19 am
Operator : christp
Sample : je1300-10r m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 15:57:22 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(18) 4,4'-DDD (A)

6.767min 0.109 PPB m

response 7271155

(18) 4,4'-DDD #2 (A)

8.721min 0.088 PPB m

response 12842119

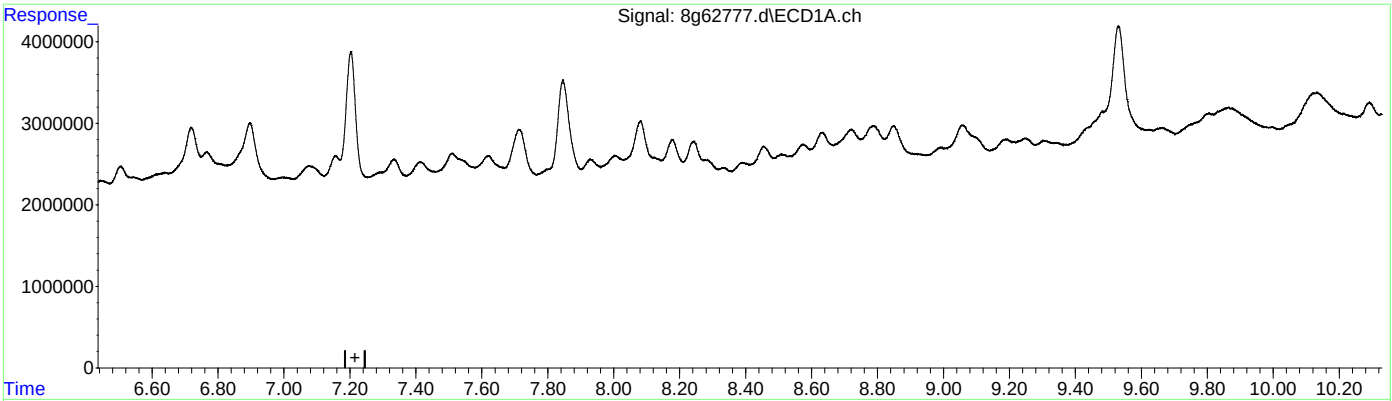
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 16:23:27 2024

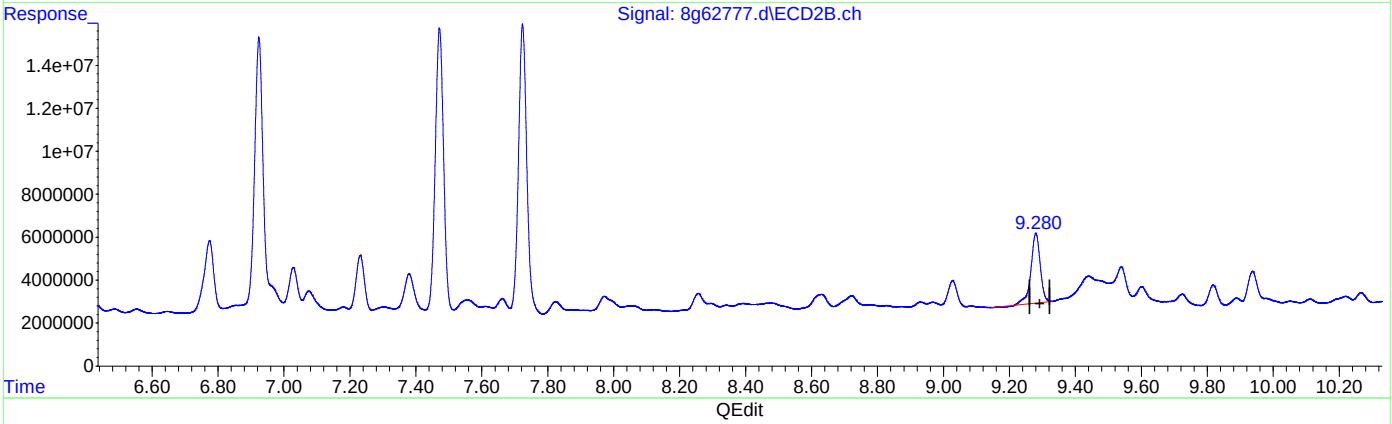
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62777.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 6:19 am
Operator : christp
Sample : je1300-10r m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 15:57:22 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(20) 4,4'-DDT (MA)

0.000min 0.000 PPB

response 0

(20) 4,4'-DDT #2 (MA)

9.280min 0.527 PPB

response 63624501

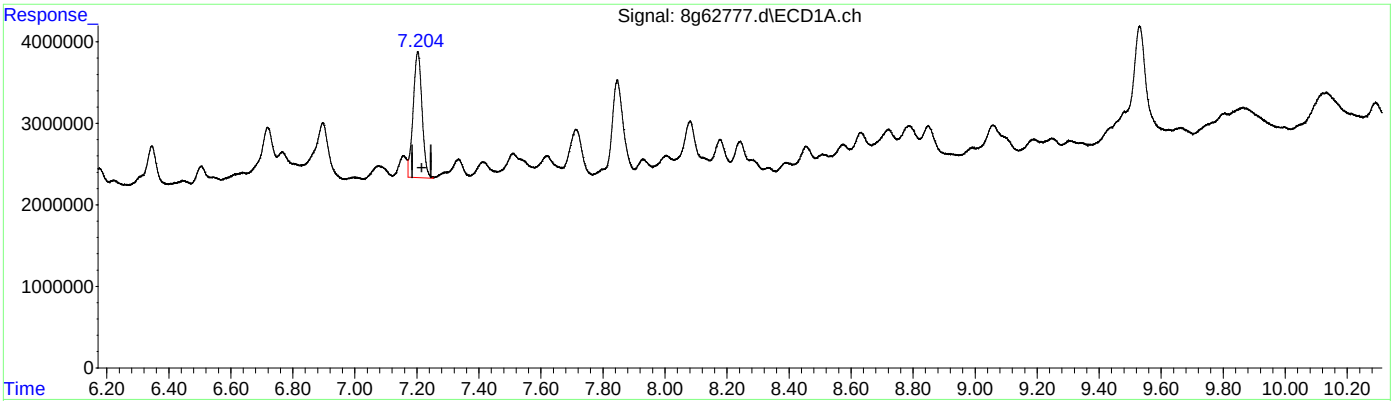
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 16:24:42 2024

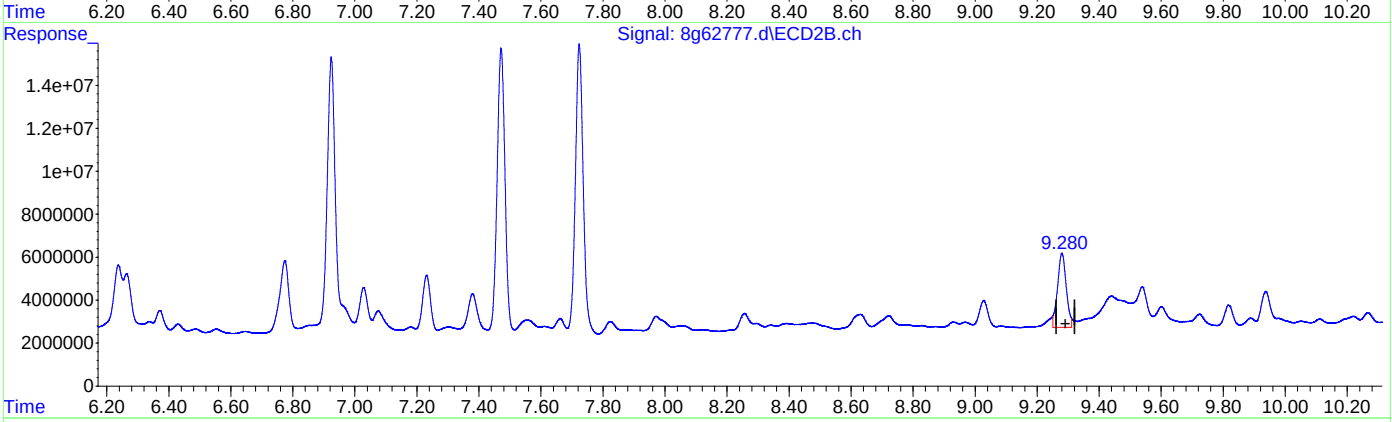
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62777.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 6:19 am
Operator : christp
Sample : je1300-10r m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 15:57:22 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(20) 4,4'-DDT (MA)

7.204min 0.454 PPB m

response 30617625

(20) 4,4'-DDT #2 (MA)

9.280min 0.555 PPB m

response 67008628

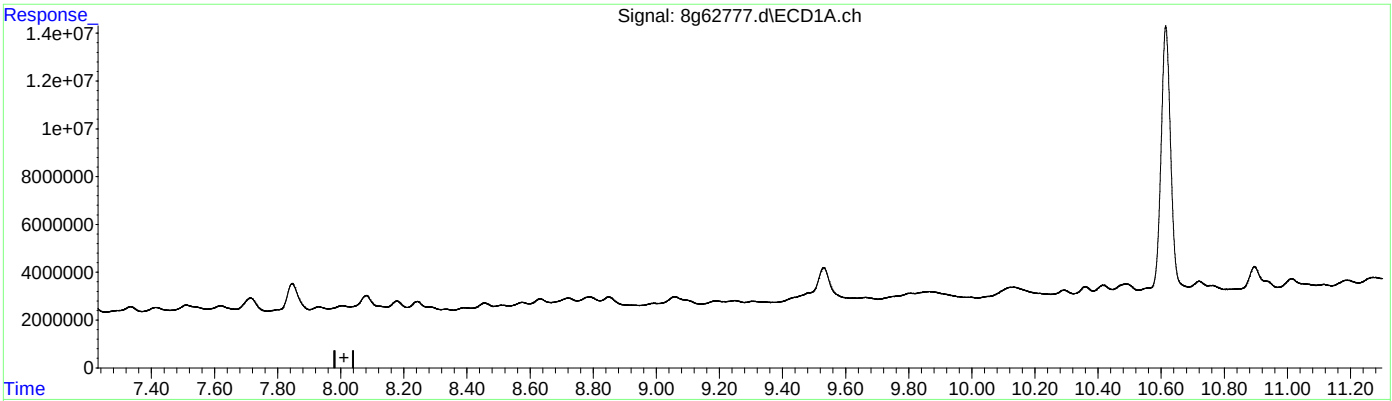
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 16:28:10 2024

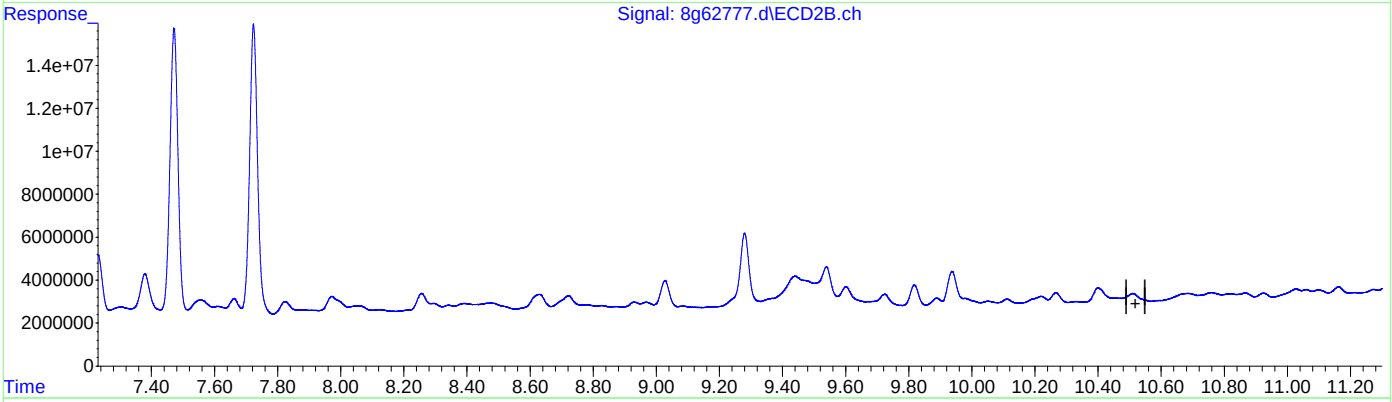
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62777.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 6:19 am
Operator : christp
Sample : je1300-10r m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 15:57:22 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(23) Methoxychlor (A)

0.000min 0.000 PPB

response 0

(23) Methoxychlor #2 (A)

0.000min 0.000 PPB

response 0

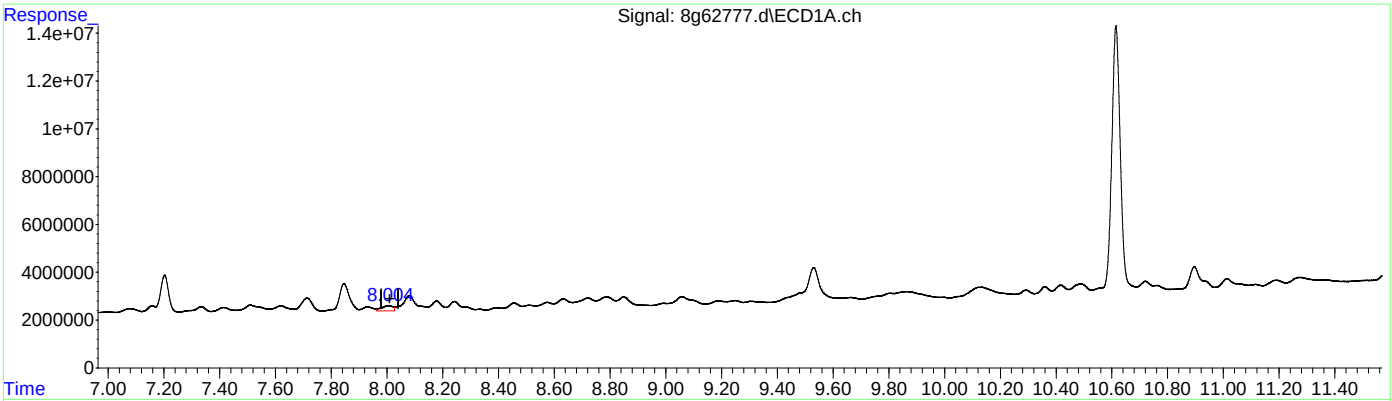
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 16:30:44 2024

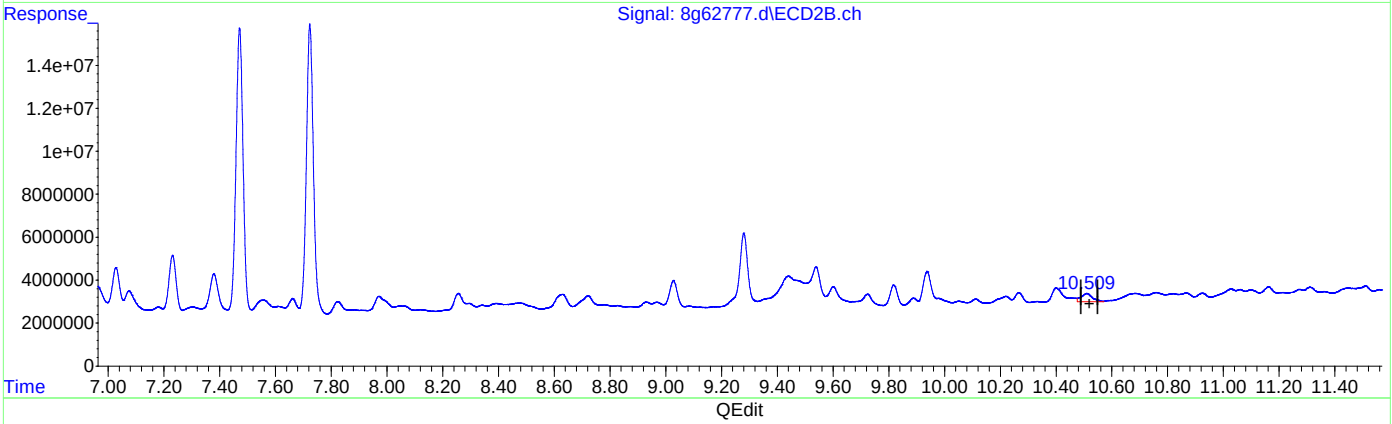
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62777.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 6:19 am
Operator : christp
Sample : je1300-10r m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 15:57:22 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(23) Methoxychlor (A)

8.004min 0.162 PPB m

response 6345560

(23) Methoxychlor #2 (A)

10.509min 0.178 PPB m

response 10704815

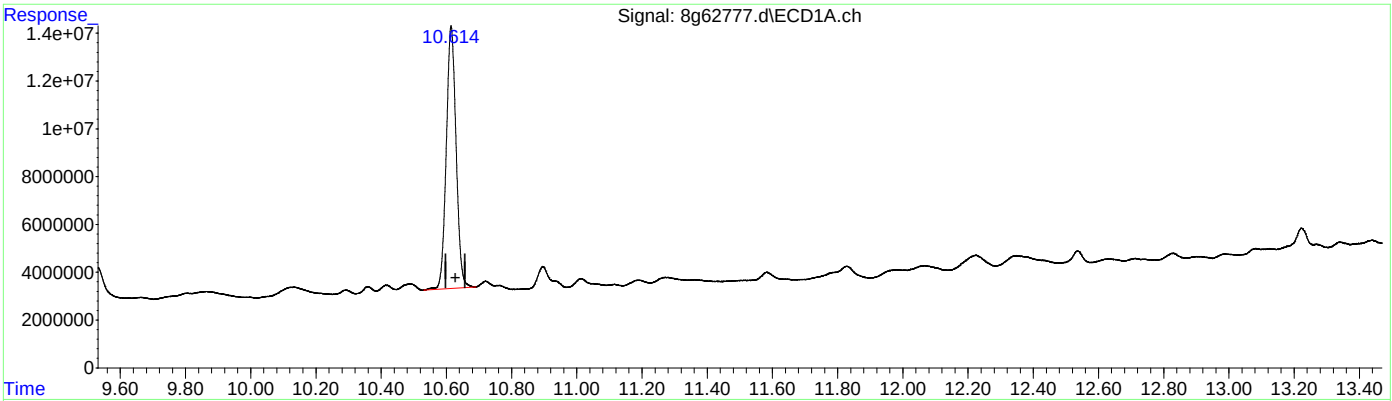
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 16:33:08 2024

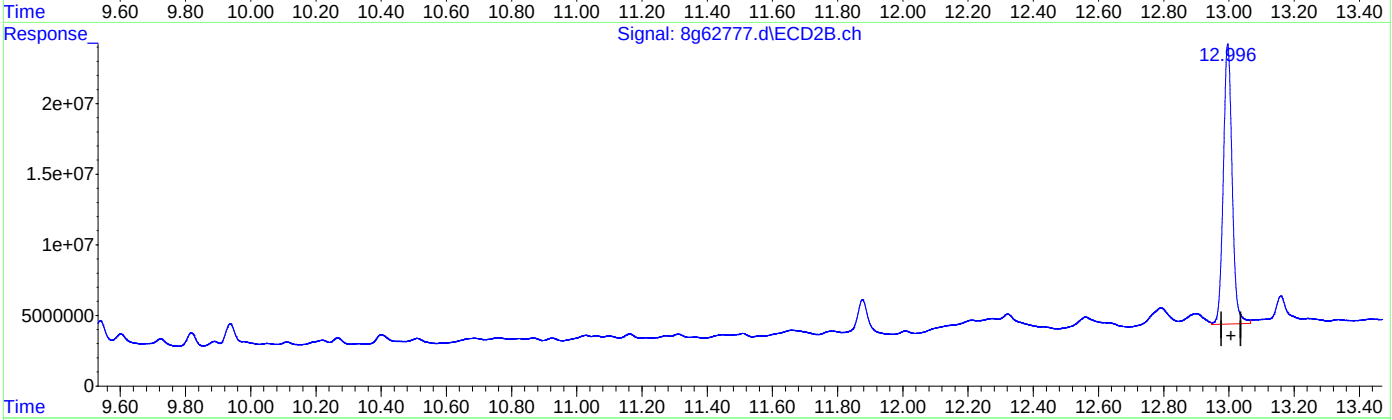
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62777.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 6:19 am
Operator : christp
Sample : je1300-10r m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 15:57:22 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(26) Decachlorobiphenyl (SA)

10.615min 3.570 PPB

response 229423890

(26) Decachlorobiphenyl #2 (SA)

12.997min 3.590 PPB

response 373035624

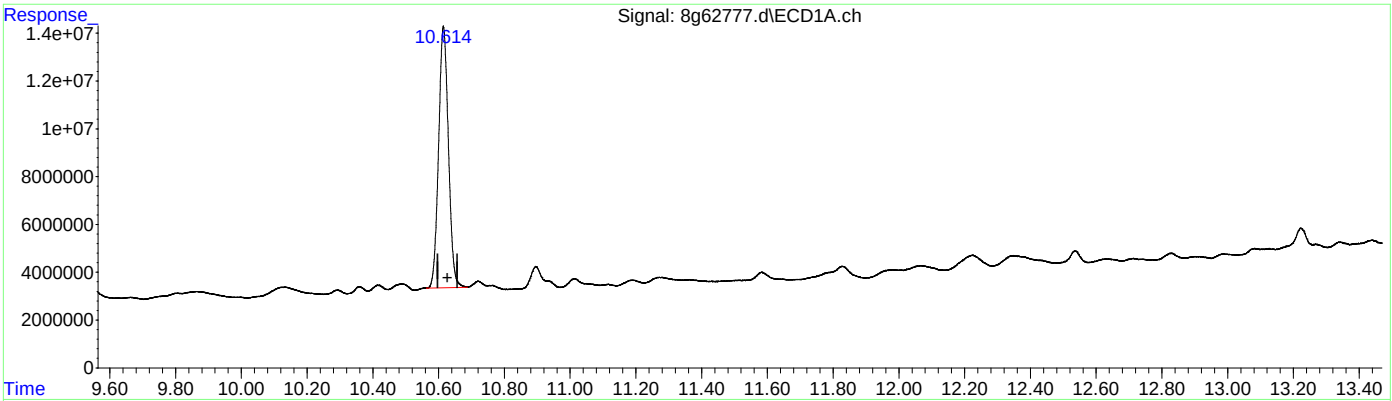
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 16:33:53 2024

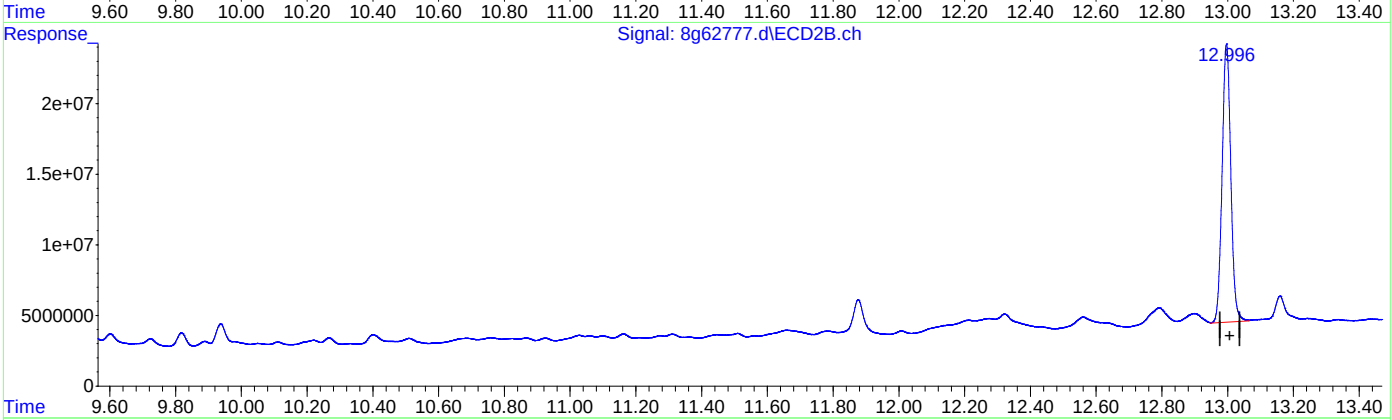
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62777.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 6:19 am
Operator : christp
Sample : je1300-10r m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 15:57:22 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(26) Decachlorobiphenyl (SA)

10.614min 3.523 PPB m

response 226357349

(26) Decachlorobiphenyl #2 (SA)

12.996min 3.495 PPB m

response 363153768

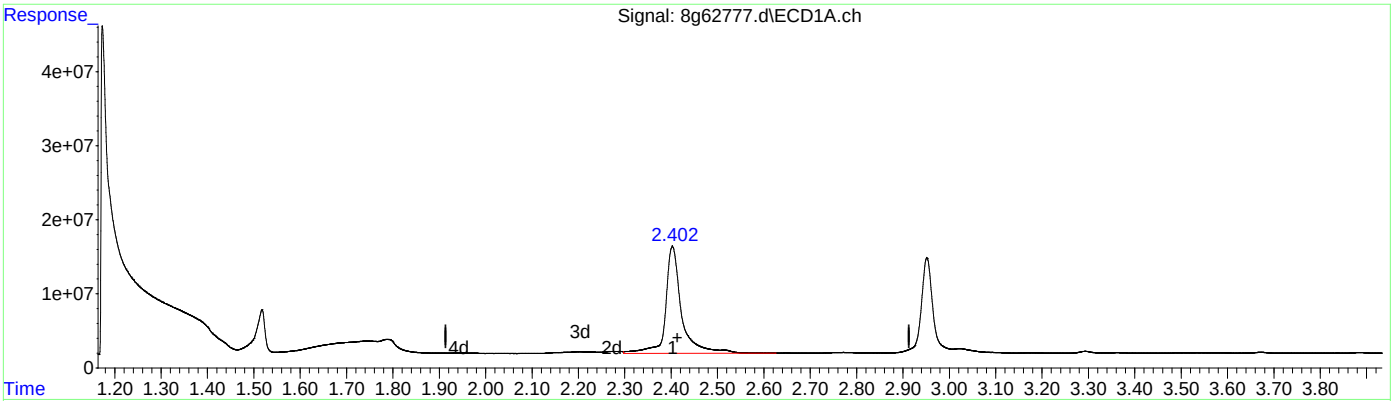
(+) = Expected Retention Time

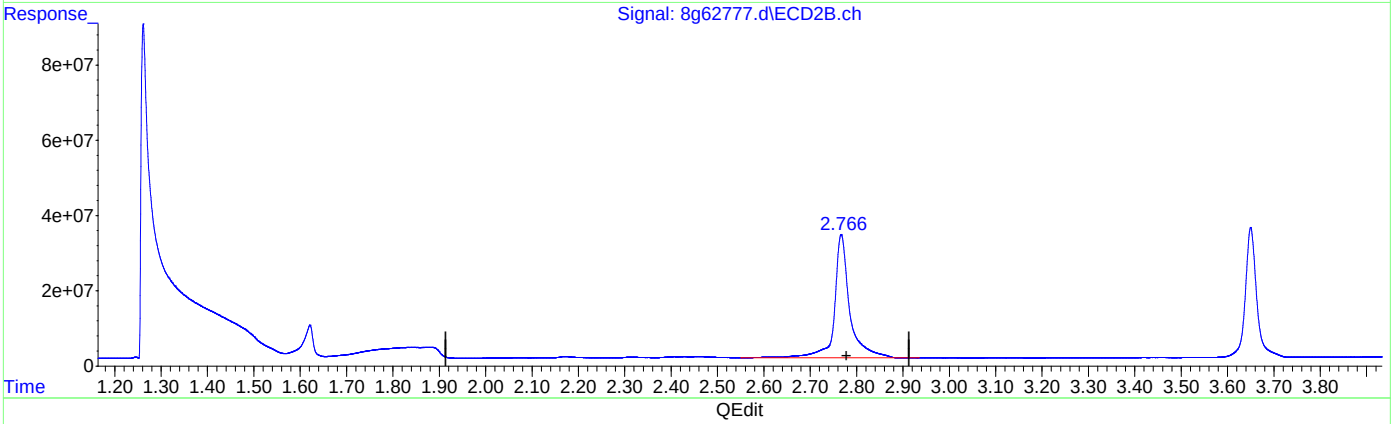
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62777.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 6:19 am
Operator : christp
Sample : je1300-10r m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 15:57:22 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(33) 1-bromo-2-nitrobenzeneB (I)

2.403min 5.000 PPB

response 346195004

(33) 1-bromo-2-nitrobenzeneB #2 (I)

2.768min 5.000 PPB

response 749853688

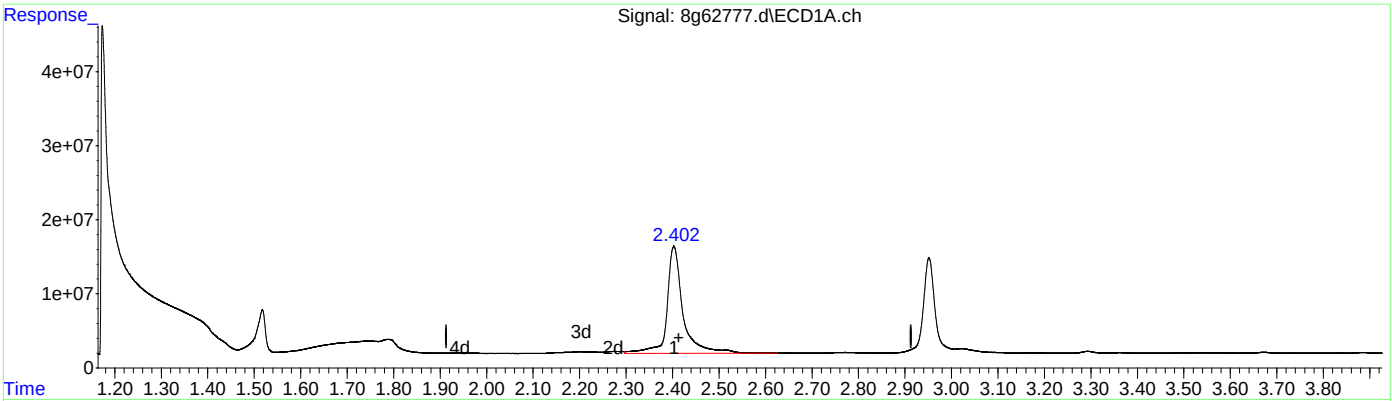
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 16:35:06 2024

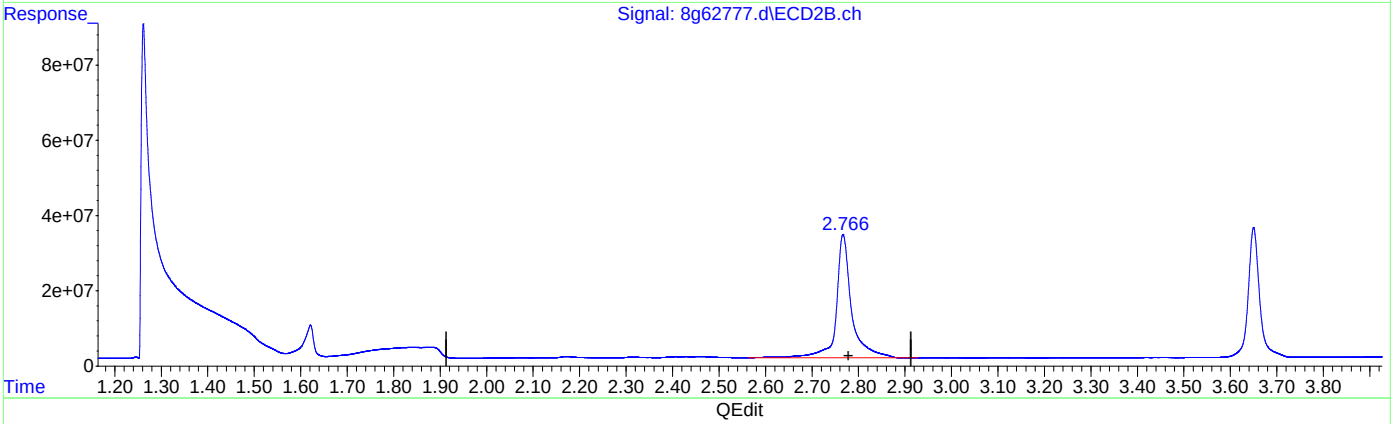
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62777.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 6:19 am
Operator : christp
Sample : je1300-10r m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 16:35:27 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(33) 1-bromo-2-nitrobenzeneB (I)

2.403min 5.000 PPB

response 346195004

(33) 1-bromo-2-nitrobenzeneB #2 (I)

2.766min 5.000 PPB m

response 751814422

(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 16:44:40 2024

Manual Integrations APPROVED (compounds with "m" flag)
Syra Marie Pacheco 12/09/24 02:55

Quantitation Report (QT Reviewed)

Data Path : V:\completed\2024\12. December\12-03-2024\g8g2700_2\
Data File : 8g62778.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 6:43 am
Operator : christp
Sample : je1300-21r m (Sig #1); je1300-21rr m (Sig #2)
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 06:56:21 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1)	I 1-bromo-2...	2.409	2.772	335.6E6	696.1E6	5.000	5.000
27)	I 1-bromo-2...	2.409	2.772	335.6E6	696.1E6	5.000	5.000
33)	I 1-bromo-2...	2.409	2.772	335.6E6	696.1E6	5.000	5.000
	System Monitoring Compounds						
2)	SAB Tetrachlo...	2.958	3.654	196.1E6	478.2E6	3.028m	2.804m
	Spiked Amount 40.000	Range 30 - 150		Recovery =		7.57%#	7.01%#
26)	SA Decachlor...	10.616	12.996	196.4E6	365.7E6	3.154m	3.792m
	Spiked Amount 40.000			Recovery =		7.89%	9.48%
	Target Compounds						
11)	B Heptachlo...	5.421	6.927	14803811	10728008	0.194m	0.066m#
12)	B gamma-Chl...	5.601	7.234	23647132	43539071	0.291m	0.272
13)	B alpha-Chl...	5.774	7.472	33678656	64757837	0.446m	0.407m
15)	B 4,4'-DDE	5.880	7.725	18677136	35036291	0.241m	0.227m
19)	B Endosulfa...	7.011	8.934f	13760711	99276615	0.203m	0.721m#
20)	MA 4,4'-DDT	7.211	9.280	60092351	23703465	0.919m	0.211m#
23)	A Methoxychlor	7.987f	10.503f	19349195	166.5E6	0.509m	2.990m#

SemiQuant Compounds - Not Calibrated on this Instrument

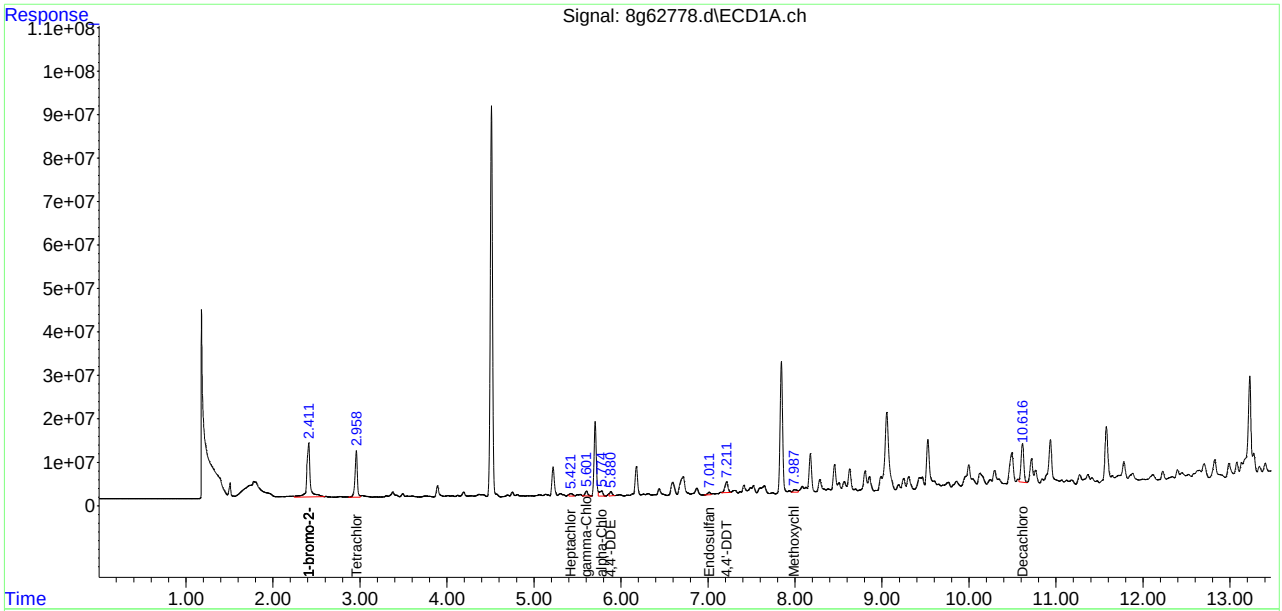
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

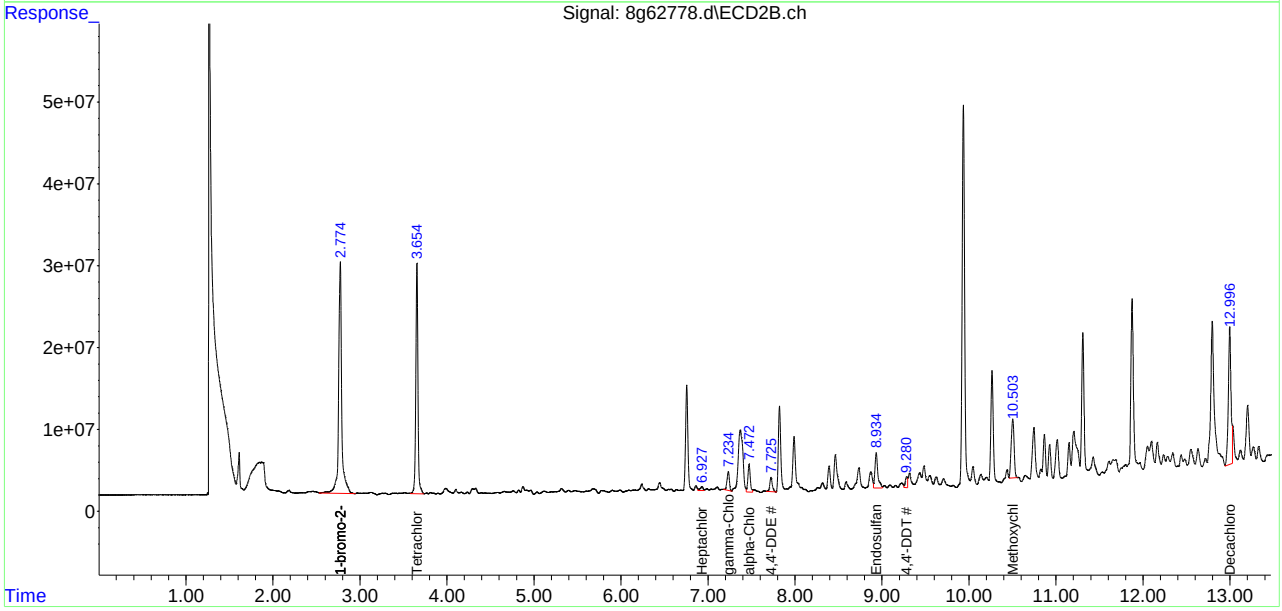
Quantitation Report (QT Reviewed)

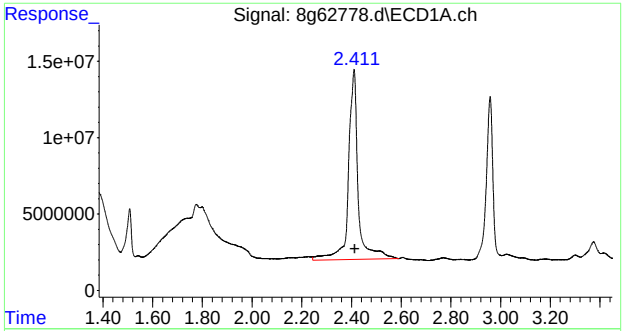
Data Path : V:\completed\2024\12. December\12-03-2024\g8g2700_2\
Data File : 8g62778.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 6:43 am
Operator : christp
Sample : je1300-21r m (Sig #1); je1300-21rr m (Sig #2)
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 06:56:21 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

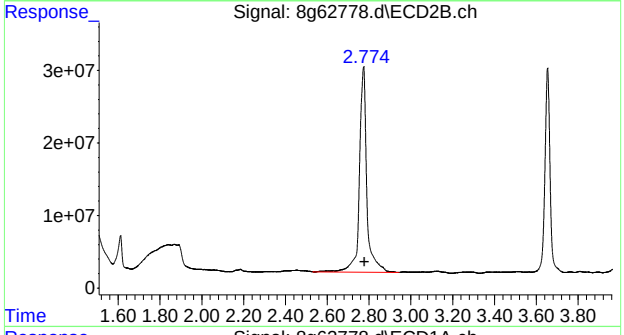






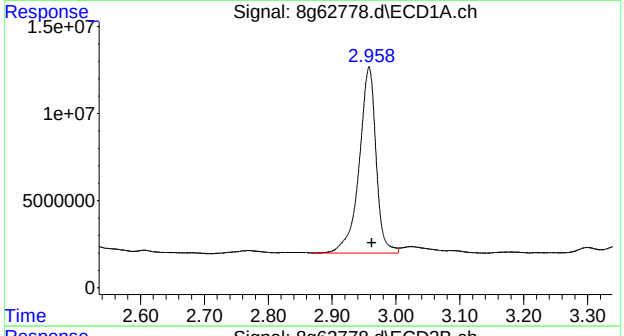
#1 1-bromo-2-nitrobenzene

R.T.: 2.409 min
Delta R.T.: -0.004 min
Response: 335592833
Conc: 5.00 PPB



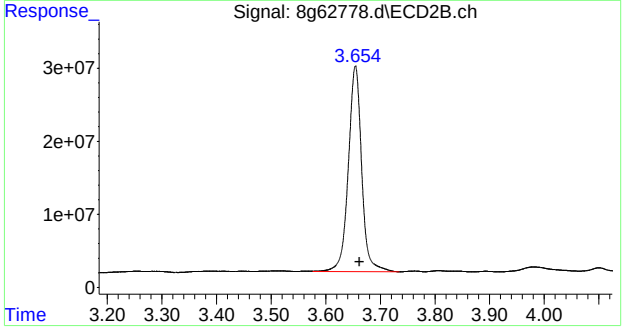
#1 1-bromo-2-nitrobenzene

R.T.: 2.772 min
Delta R.T.: -0.006 min
Response: 696063015
Conc: 5.00 PPB



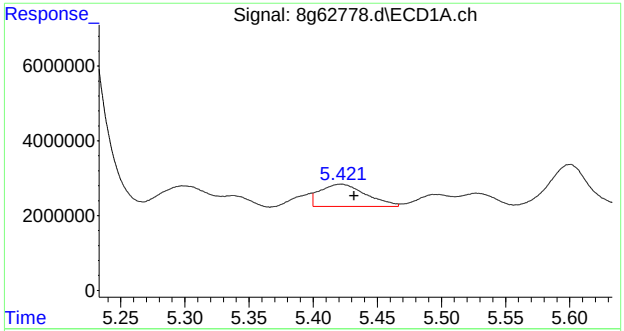
#2 Tetrachloro-m-xylene

R.T.: 2.958 min
Delta R.T.: -0.004 min
Response: 196051376
Conc: 3.03 PPB m



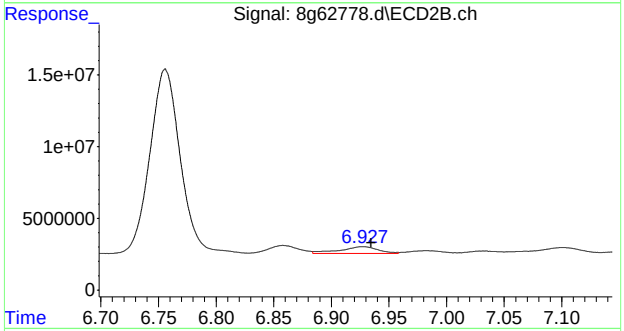
#2 Tetrachloro-m-xylene

R.T.: 3.654 min
Delta R.T.: -0.007 min
Response: 478220124
Conc: 2.80 PPB m



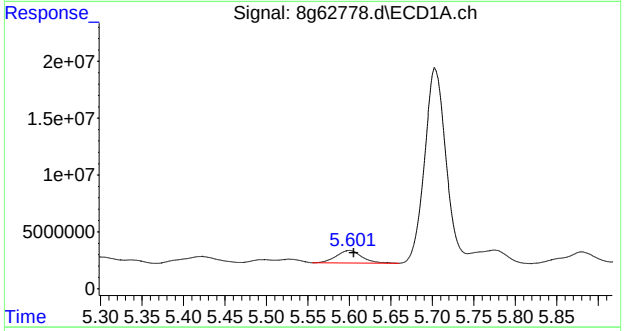
#11 Heptachlor Epoxide

R.T.: 5.421 min
Delta R.T.: -0.011 min
Response: 14803811
Conc: 0.19 PPB m



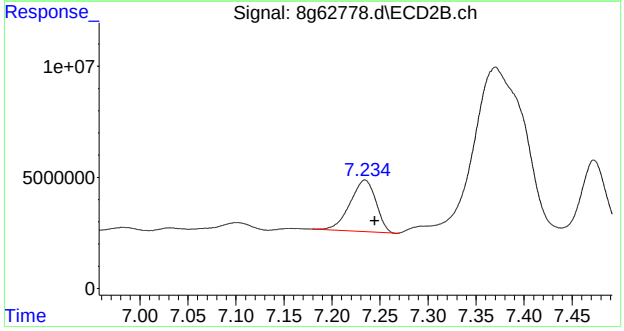
#11 Heptachlor Epoxide

R.T.: 6.927 min
Delta R.T.: -0.008 min
Response: 10728008
Conc: 0.07 PPB m



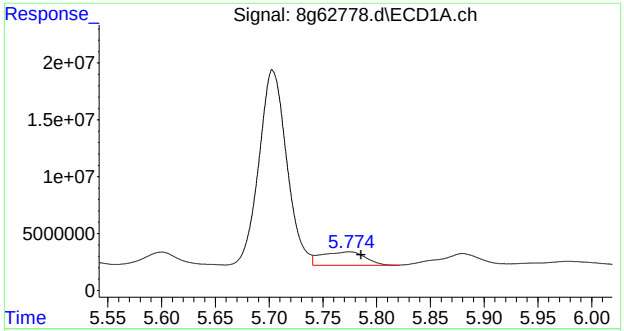
#12 gamma-Chlordane

R.T.: 5.601 min
Delta R.T.: -0.004 min
Response: 23647132
Conc: 0.29 PPB m



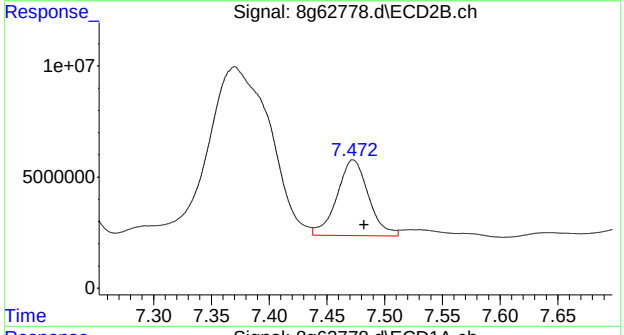
#12 gamma-Chlordane

R.T.: 7.234 min
Delta R.T.: -0.011 min
Response: 43539071
Conc: 0.27 PPB



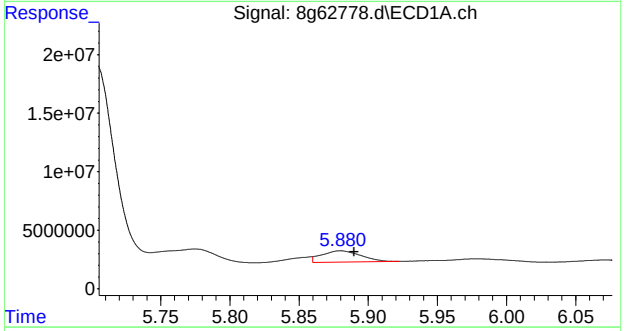
#13 alpha-Chlordane

R.T.: 5.774 min
Delta R.T.: -0.012 min
Response: 33678656
Conc: 0.45 PPB m



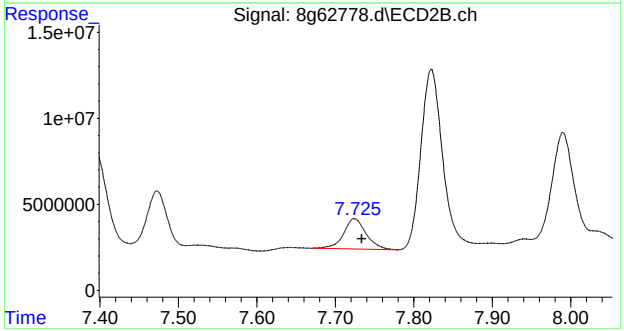
#13 alpha-Chlordane

R.T.: 7.472 min
Delta R.T.: -0.011 min
Response: 64757837
Conc: 0.41 PPB m



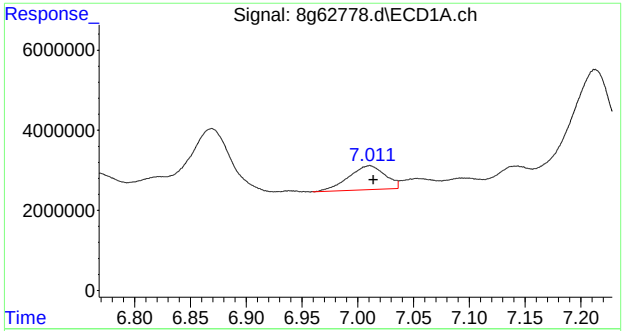
#15 4,4'-DDE

R.T.: 5.880 min
Delta R.T.: -0.010 min
Response: 18677136
Conc: 0.24 PPB m



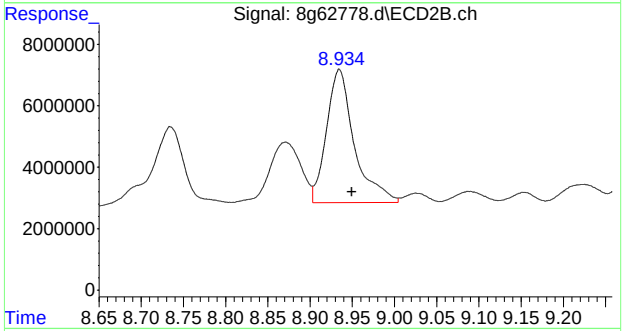
#15 4,4'-DDE

R.T.: 7.725 min
Delta R.T.: -0.008 min
Response: 35036291
Conc: 0.23 PPB m



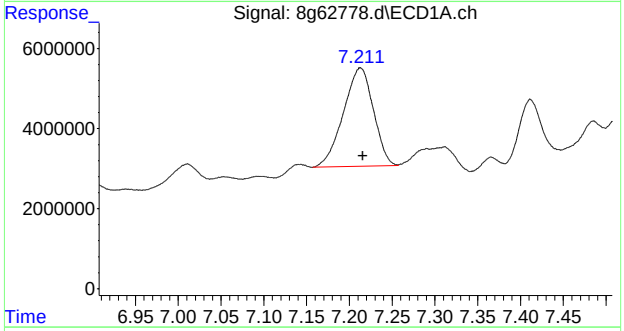
#19 Endosulfan II

R.T.: 7.011 min
Delta R.T.: -0.003 min
Response: 13760711
Conc: 0.20 PPB m



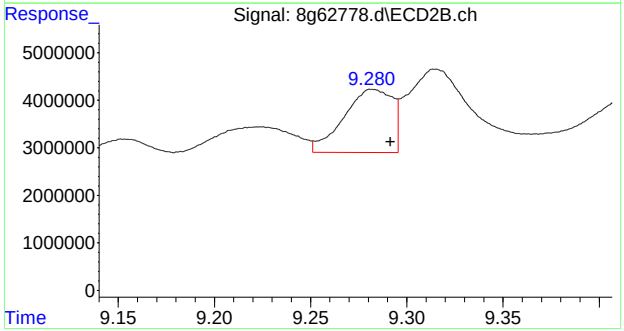
#19 Endosulfan II

R.T.: 8.934 min
Delta R.T.: -0.016 min
Response: 99276615
Conc: 0.72 PPB m



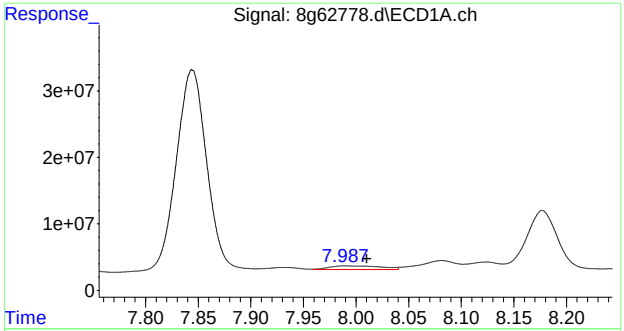
#20 4,4'-DDT

R.T.: 7.211 min
Delta R.T.: -0.004 min
Response: 60092351
Conc: 0.92 PPB m



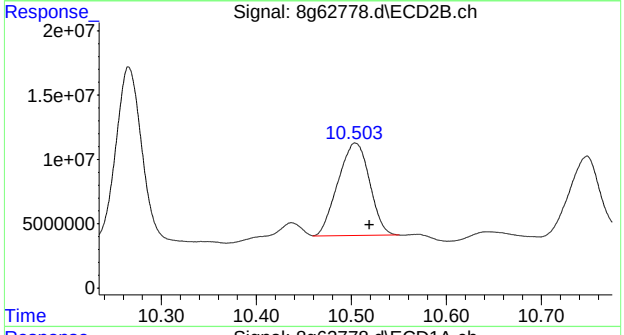
#20 4,4'-DDT

R.T.: 9.280 min
Delta R.T.: -0.011 min
Response: 23703465
Conc: 0.21 PPB m



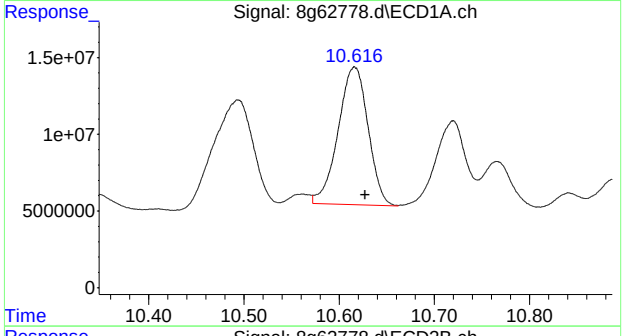
#23 Methoxychlor

R.T.: 7.987 min
Delta R.T.: -0.023 min
Response: 19349195
Conc: 0.51 PPB m



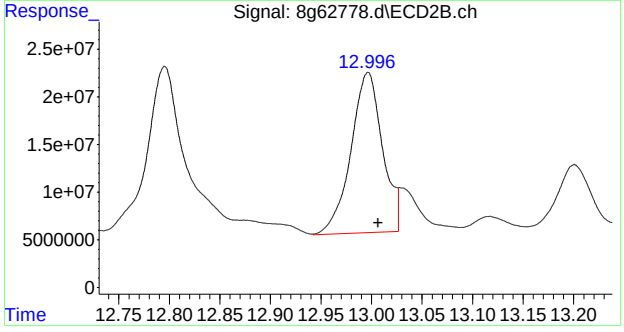
#23 Methoxychlor

R.T.: 10.503 min
Delta R.T.: -0.016 min
Response: 166531061
Conc: 2.99 PPB m



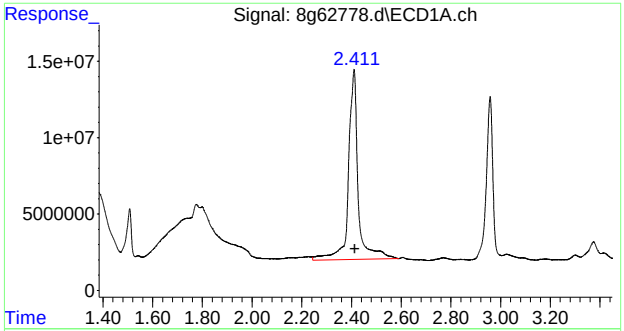
#26 Decachlorobiphenyl

R.T.: 10.616 min
Delta R.T.: -0.012 min
Response: 196438574
Conc: 3.15 PPB m



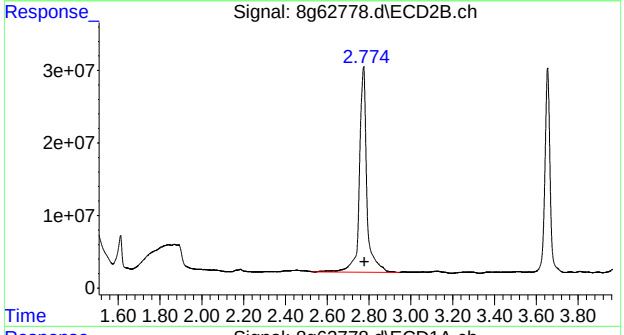
#26 Decachlorobiphenyl

R.T.: 12.996 min
Delta R.T.: -0.011 min
Response: 365744835
Conc: 3.79 PPB m



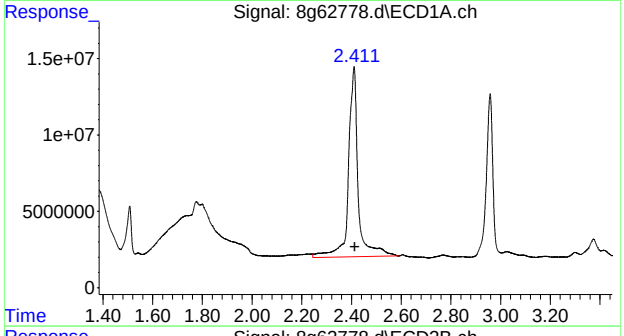
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.409 min
Delta R.T.: -0.005 min
Response: 335592833
Conc: 5.00 PPB



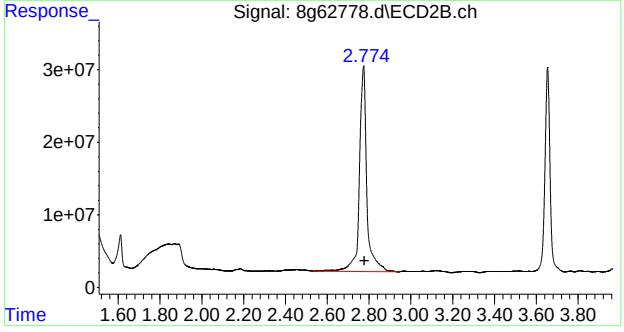
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.772 min
Delta R.T.: -0.006 min
Response: 696063015
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.409 min
Delta R.T.: -0.005 min
Response: 335592833
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.772 min
Delta R.T.: -0.006 min
Response: 696063015
Conc: 5.00 PPB

Manual Integration Approval Summary

Sample Number: JE1300-21R
Lab FileID: 8G62778.D
Injection Time: 12/03/24 06:43
Method: SW846 8081B
Analyst approved: 12/04/24 02:08 Syra Marie Pacheco
Supervisor approved: 12/09/24 02:55 Syra Marie Pacheco

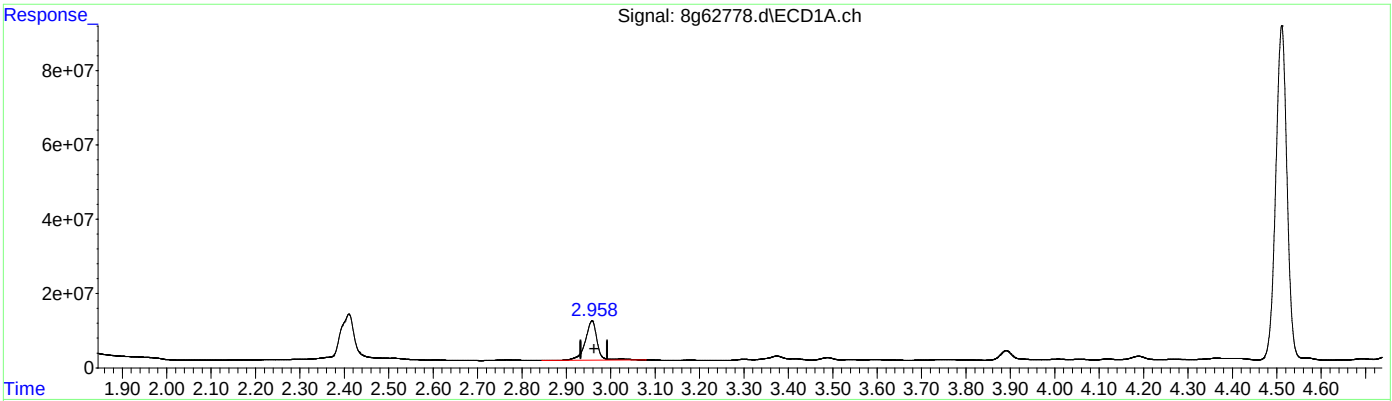
Parameter	CAS	Sig#	R.T. (min.)	Reason
Tetrachloro-m-xylene	877-09-8	1	2.96	Poorly defined baseline
Tetrachloro-m-xylene	877-09-8	2	3.65	Poorly defined baseline
Heptachlor epoxide	1024-57-3	1	5.42	Poorly defined baseline
gamma-Chlordane	5103-74-2	1	5.60	Poorly defined baseline
alpha-Chlordane	5103-71-9	1	5.77	Poorly defined baseline
4,4'-DDE	72-55-9	1	5.88	Poorly defined baseline
Heptachlor epoxide	1024-57-3	2	6.93	Poorly defined baseline
Endosulfan-II	33213-65-9	1	7.01	Poorly defined baseline
4,4'-DDT	50-29-3	1	7.21	Poorly defined baseline
alpha-Chlordane	5103-71-9	2	7.47	Poorly defined baseline
4,4'-DDE	72-55-9	2	7.73	Poorly defined baseline
Methoxychlor	72-43-5	1	7.99	Poorly defined baseline
Endosulfan-II	33213-65-9	2	8.93	Poorly defined baseline
4,4'-DDT	50-29-3	2	9.28	Poorly defined baseline
Methoxychlor	72-43-5	2	10.50	Poorly defined baseline
Decachlorobiphenyl	2051-24-3	1	10.62	Poorly defined baseline
Decachlorobiphenyl	2051-24-3	2	13.00	Poorly defined baseline

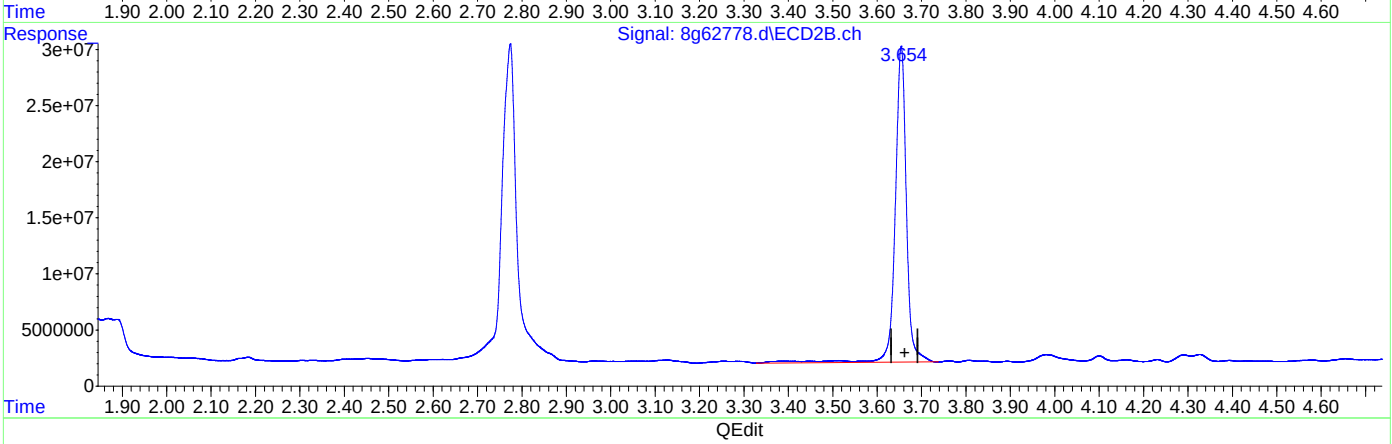
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62778.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 6:43 am
Operator : christp
Sample : je1300-21rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 16:47:38 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(2) Tetrachloro-m-xylene (SAB)

2.957min 3.058 PPB

response 197979053

(2) Tetrachloro-m-xylene #2 (SAB)

3.654min 2.922 PPB

response 498304222

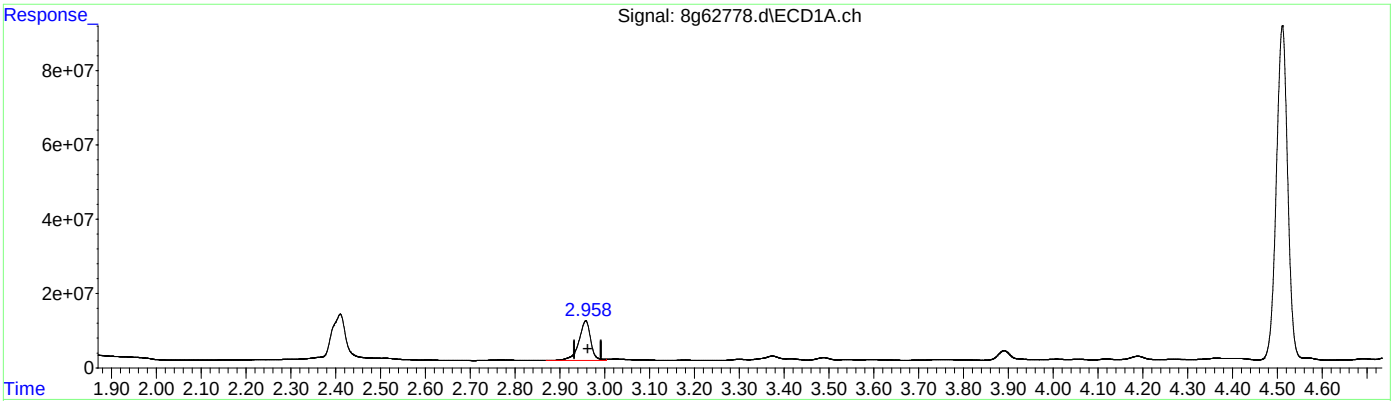
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 16:51:04 2024

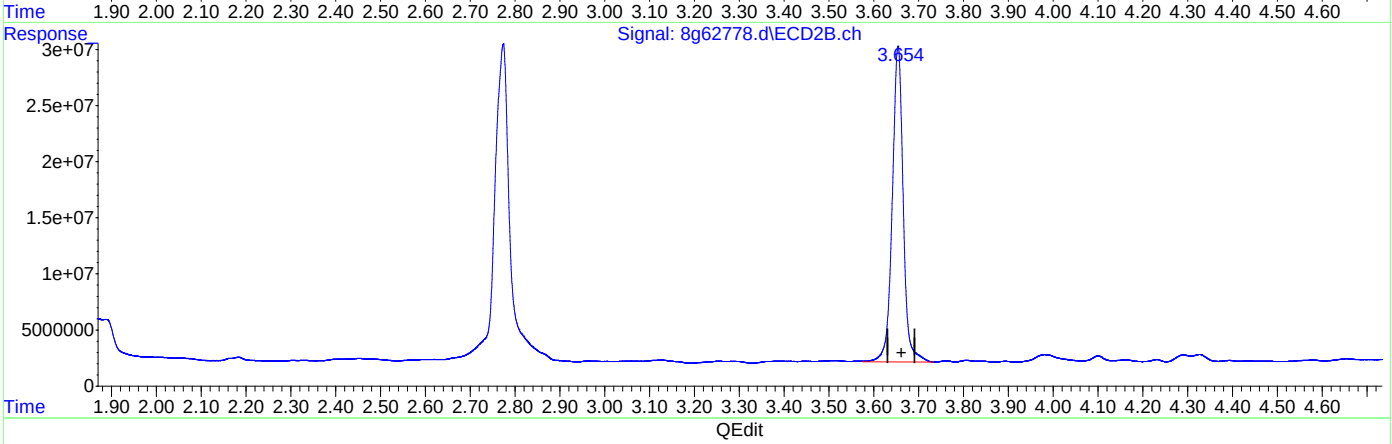
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62778.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 6:43 am
Operator : christp
Sample : je1300-21rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 16:47:38 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(2) Tetrachloro-m-xylene (SAB)

2.958min 3.028 PPB m

response 196051376

(2) Tetrachloro-m-xylene #2 (SAB)

3.654min 2.804 PPB m

response 478220124

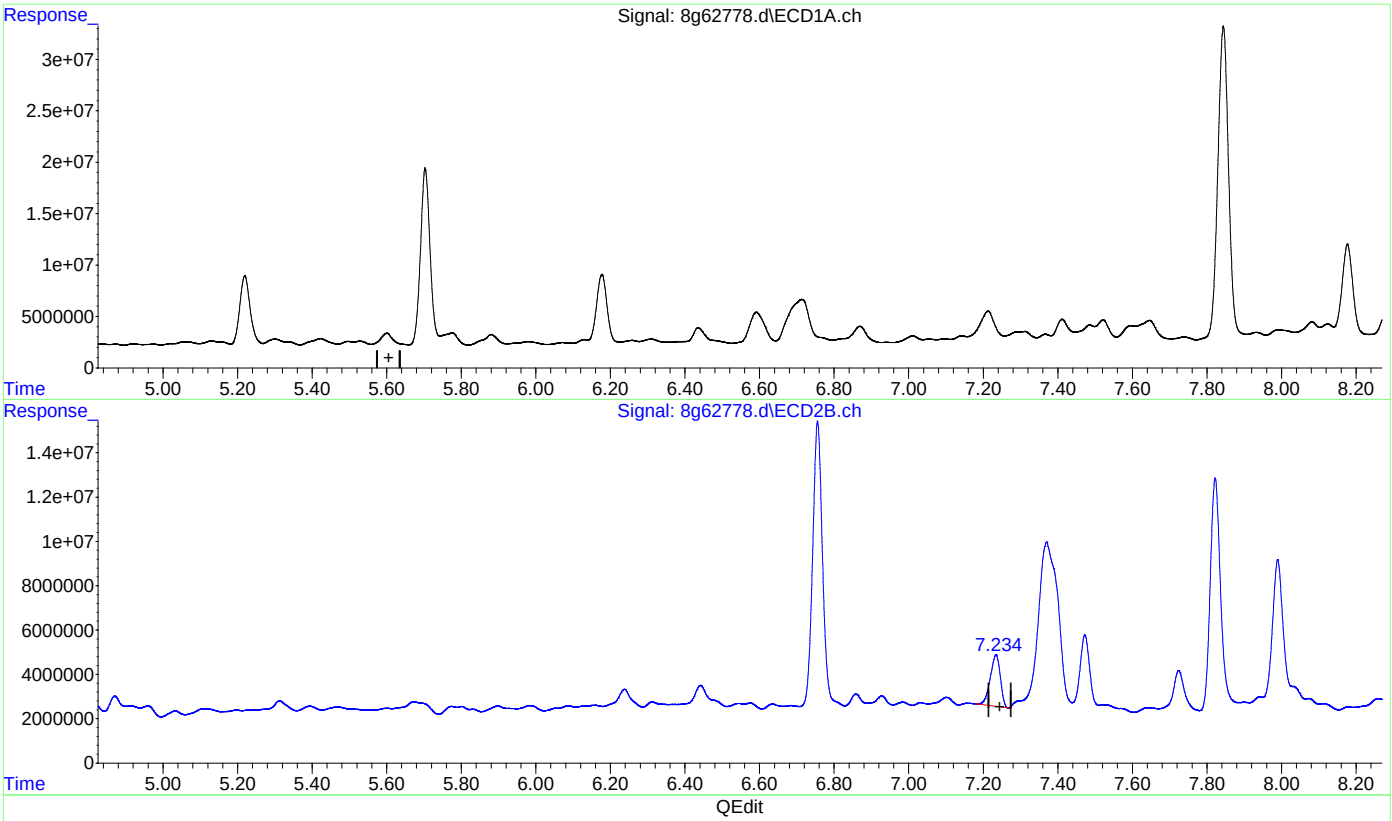
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 16:51:53 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62778.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 6:43 am
Operator : christp
Sample : je1300-21rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 16:47:38 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(12) gamma-Chlordane (B)

0.000min 0.000 PPB

response 0

(12) gamma-Chlordane #2 (B)

7.234min 0.272 PPB

response 43539071

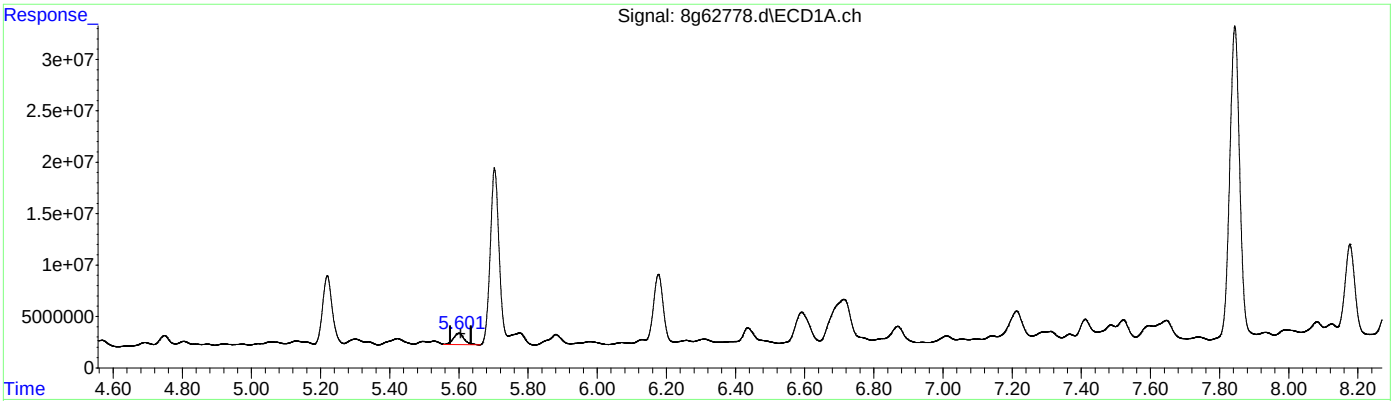
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 16:55:50 2024

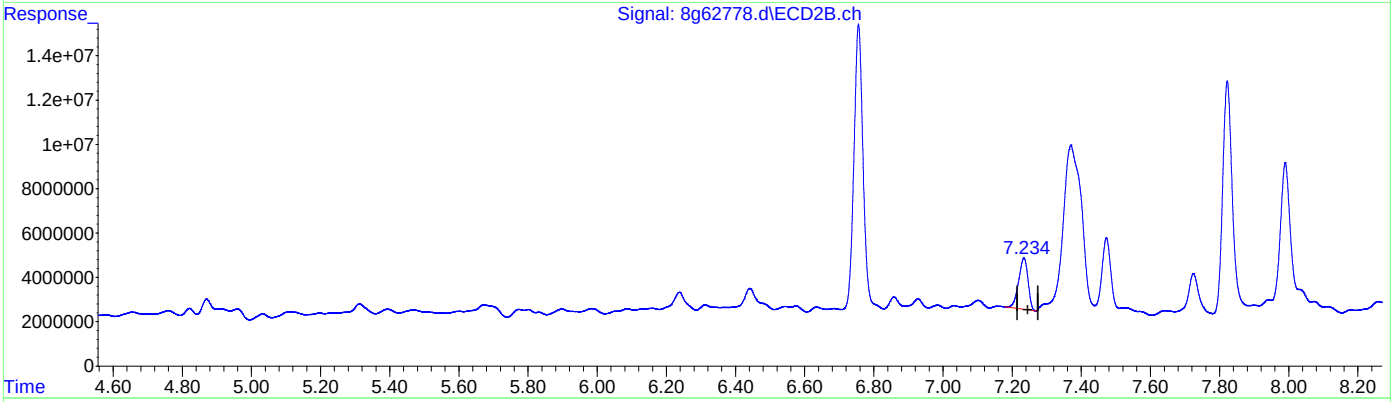
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62778.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 6:43 am
Operator : christp
Sample : je1300-21rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 16:47:38 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(12) gamma-Chlordane (B)

5.601min 0.291 PPB m

response 23647132

(12) gamma-Chlordane #2 (B)

7.234min 0.272 PPB

response 43539071

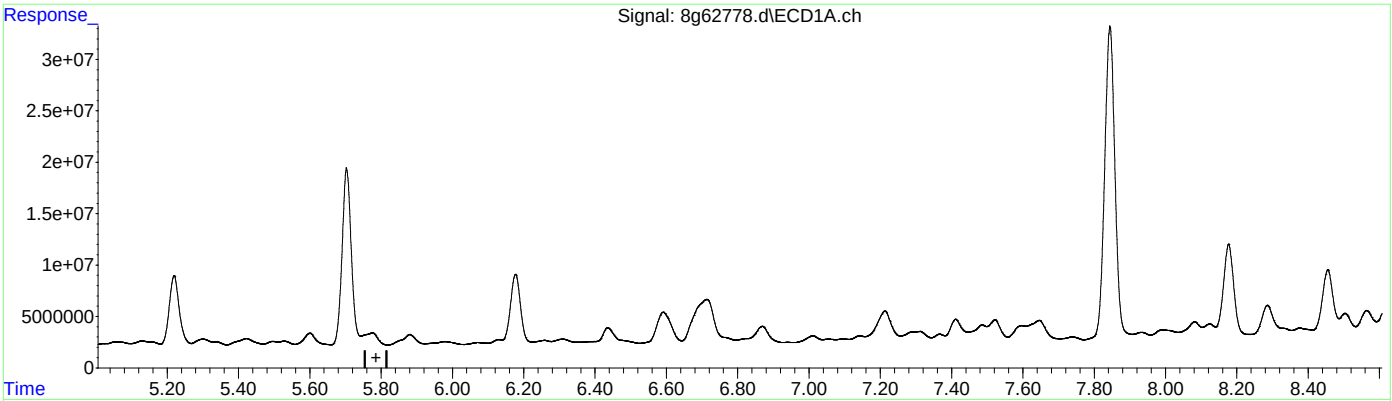
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 16:56:10 2024

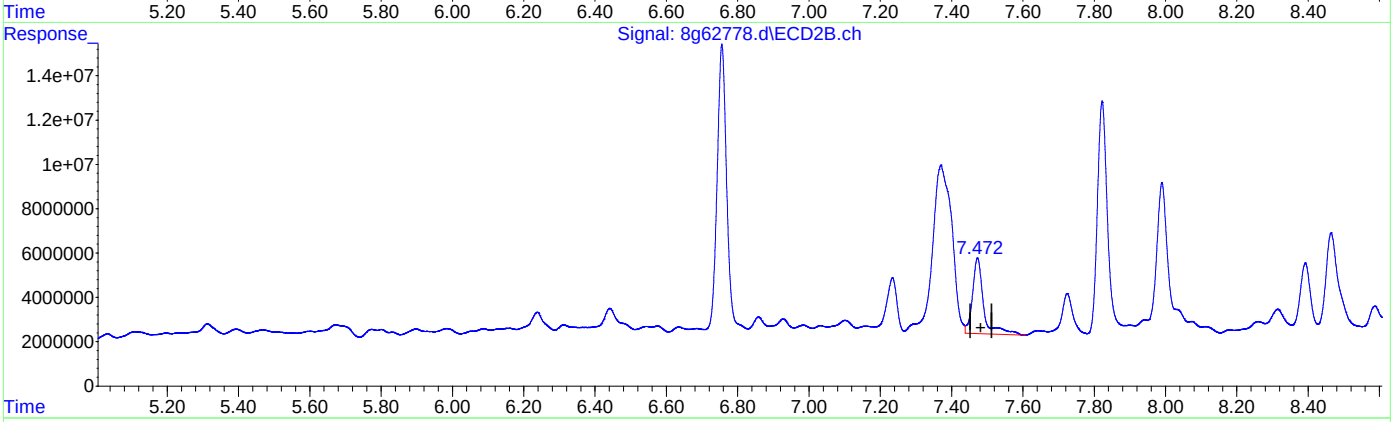
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62778.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 6:43 am
Operator : christp
Sample : je1300-21rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 16:47:38 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(13) alpha-Chlordane (B)

0.000min 0.000 PPB

response 0

(13) alpha-Chlordane #2 (B)

7.473min 0.465 PPB

response 73947815

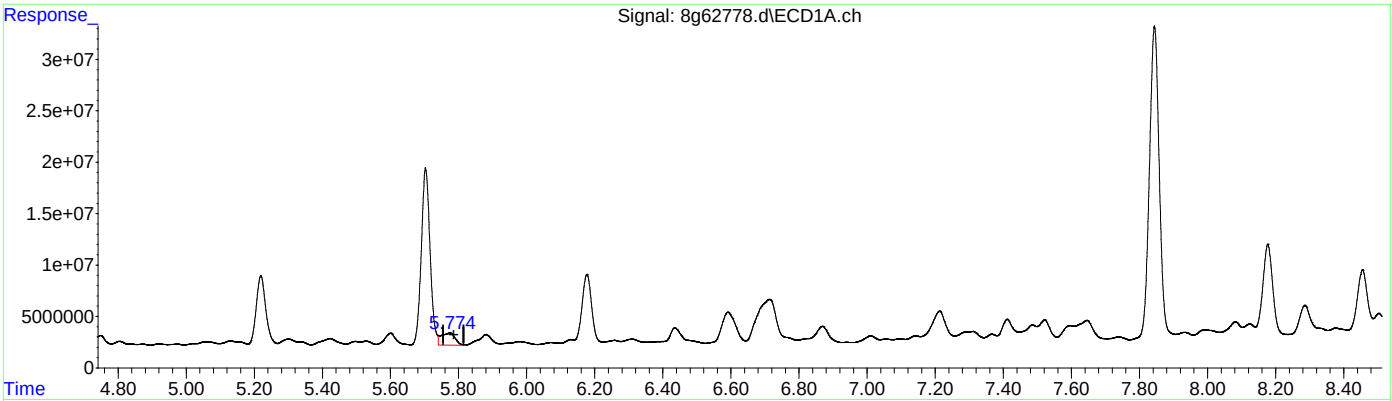
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 16:56:28 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62778.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 6:43 am
Operator : christp
Sample : je1300-21rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 16:47:38 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(13) alpha-Chlordane (B)

5.774min 0.446 PPB m

response 33678656

(13) alpha-Chlordane #2 (B)

7.472min 0.407 PPB m

response 64757837

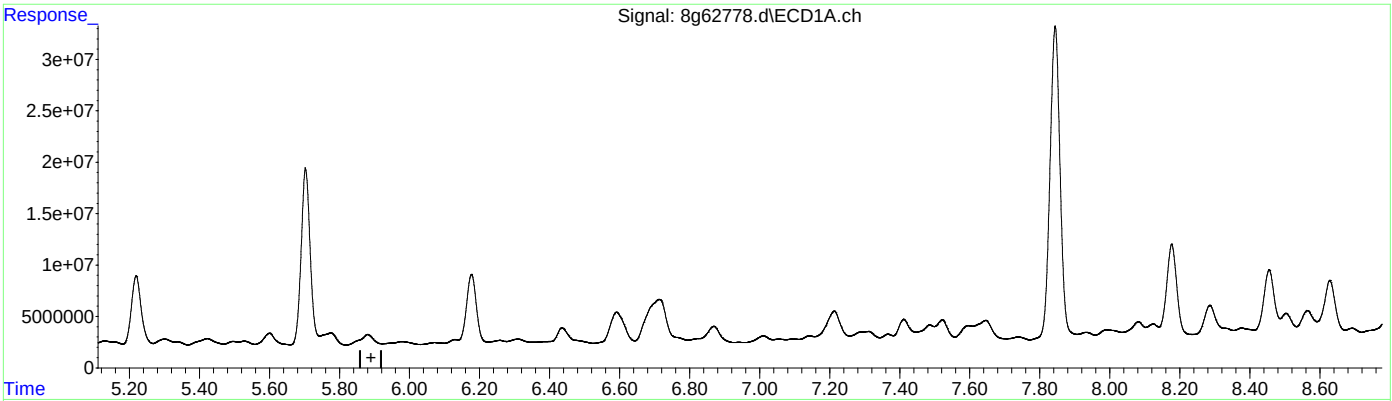
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 16:57:47 2024

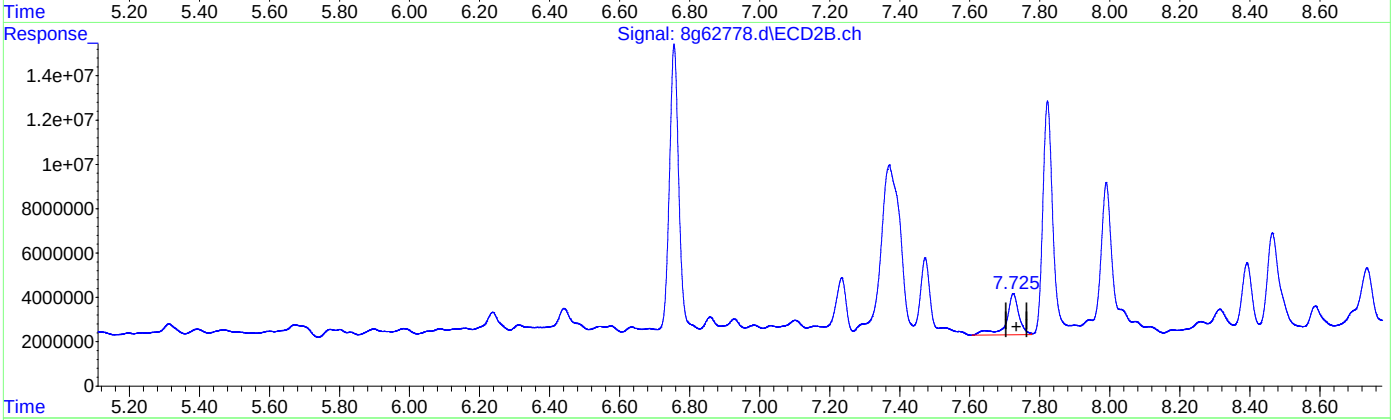
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62778.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 6:43 am
Operator : christp
Sample : je1300-21rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 16:47:38 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(15) 4,4'-DDE (B)

0.000min 0.000 PPB

response 0

(15) 4,4'-DDE #2 (B)

7.725min 0.300 PPB

response 46269541

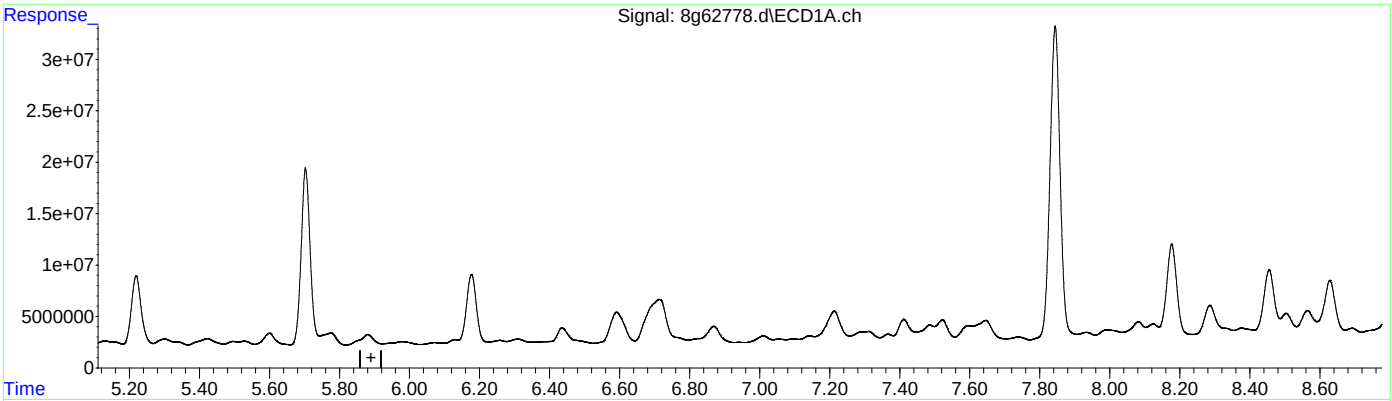
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 16:58:06 2024

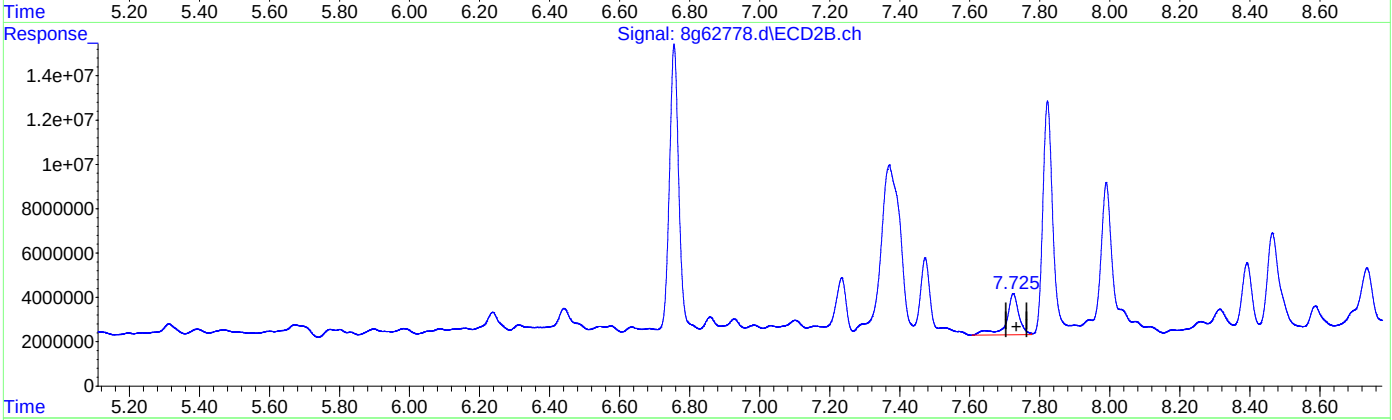
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62778.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 6:43 am
Operator : christp
Sample : je1300-21rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 16:47:38 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(15) 4,4'-DDE (B)

0.000min 0.000 PPB

response 0

(15) 4,4'-DDE #2 (B)

7.725min 0.300 PPB

response 46269541

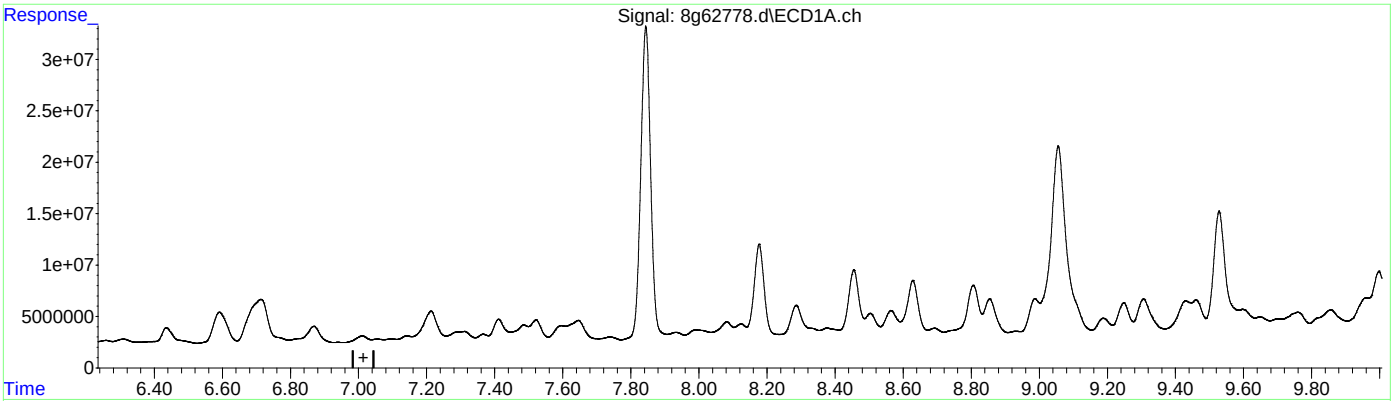
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 16:58:06 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62778.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 6:43 am
Operator : christp
Sample : je1300-21rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 16:47:38 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(19) Endosulfan II (B)

0.000min 0.000 PPB

response 0

(19) Endosulfan II #2 (B)

8.934min 0.825 PPB

response 113610746

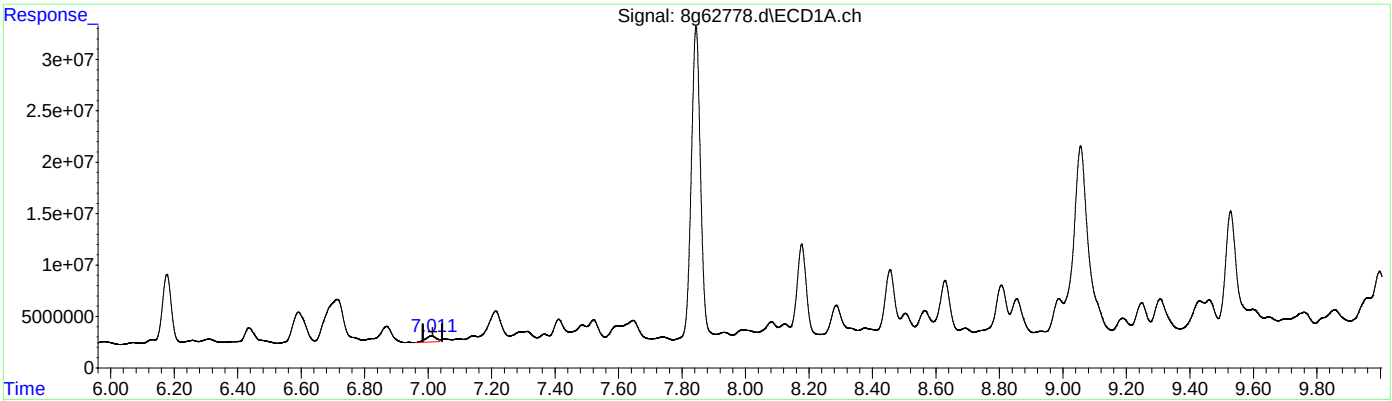
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 17:11:30 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62778.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 6:43 am
Operator : christp
Sample : je1300-21rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 16:47:38 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(19) Endosulfan II (B)

7.011min 0.203 PPB m

response 13760711

(19) Endosulfan II #2 (B)

8.934min 0.721 PPB m

response 99276615

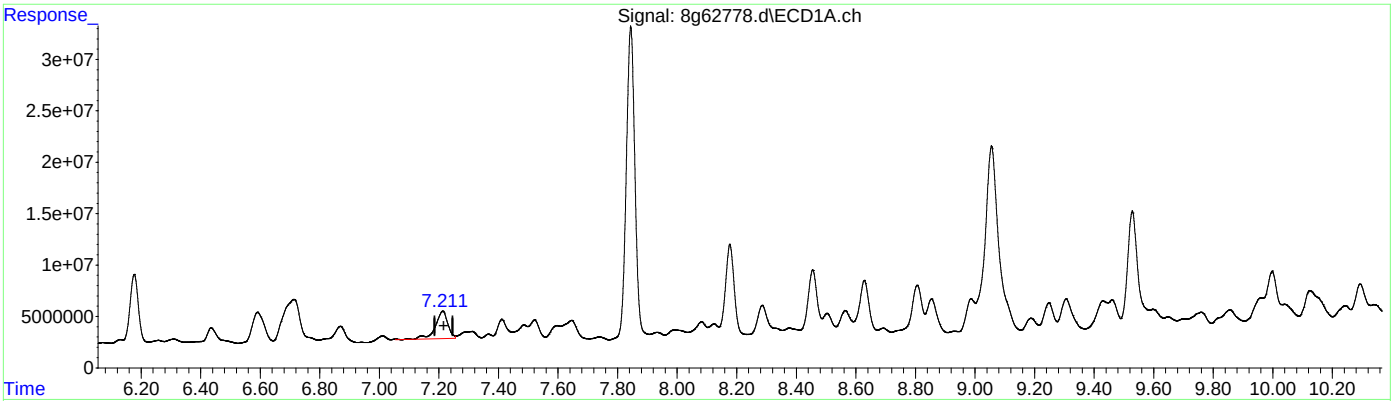
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 17:13:06 2024

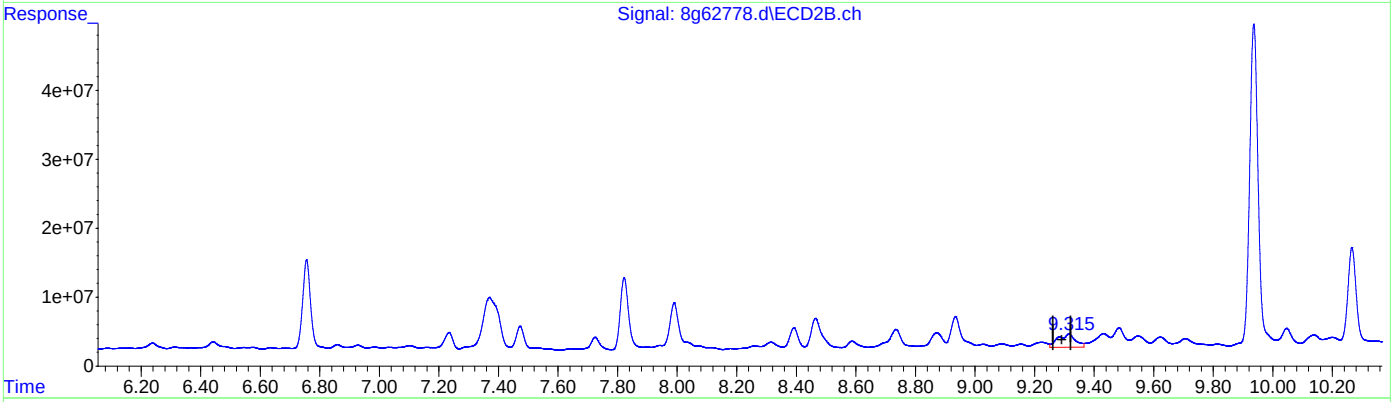
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62778.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 6:43 am
Operator : christp
Sample : je1300-21rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 16:47:38 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(20) 4,4'-DDT (MA)

7.212min 1.181 PPB

response 77226336

(20) 4,4'-DDT #2 (MA)

9.315min 0.693 PPB

response 77650089

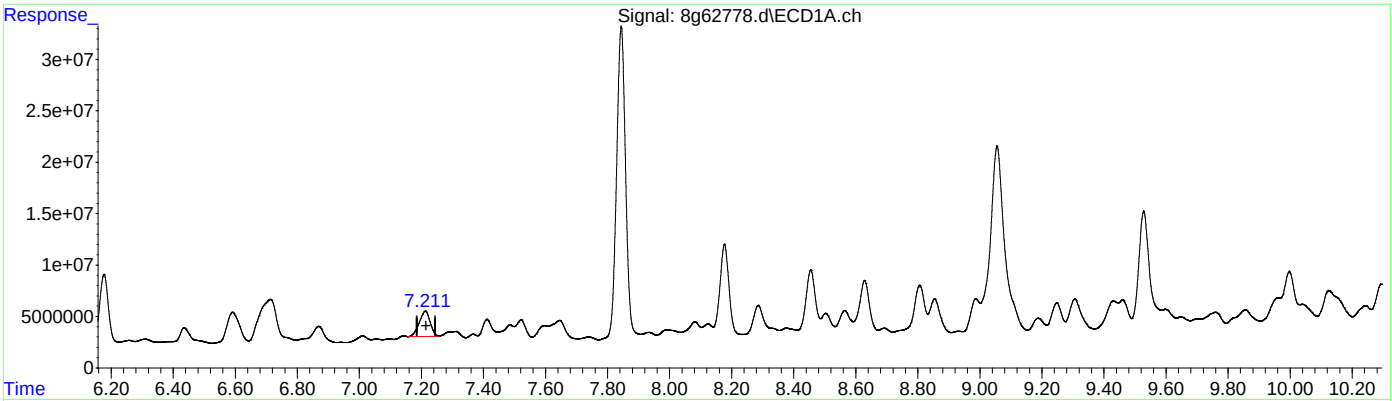
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62778.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 6:43 am
Operator : christp
Sample : je1300-21rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 16:47:38 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(20) 4,4'-DDT (MA)

7.211min 0.919 PPB m

response 60092351

(20) 4,4'-DDT #2 (MA)

9.280min 0.211 PPB m

response 23703465

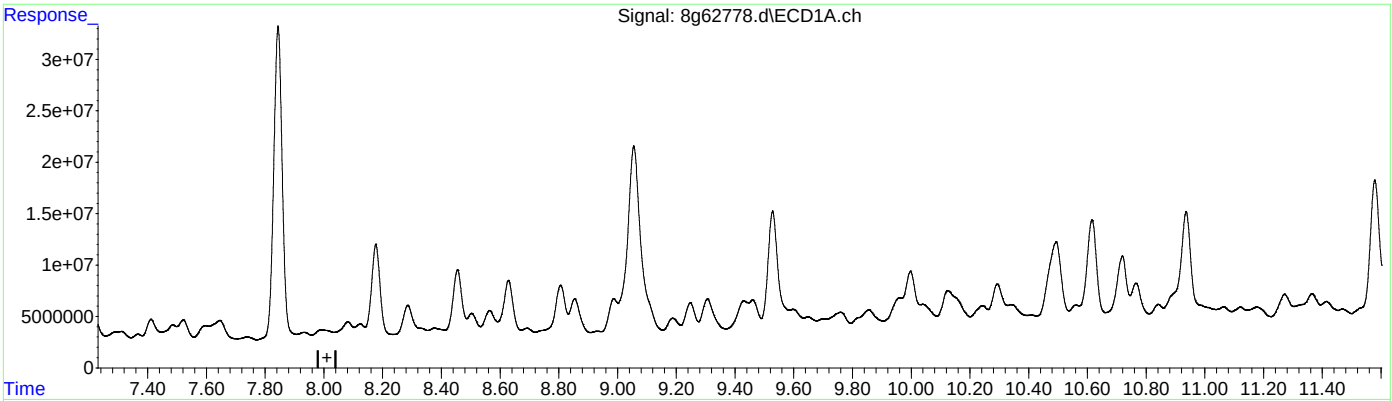
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 17:15:25 2024

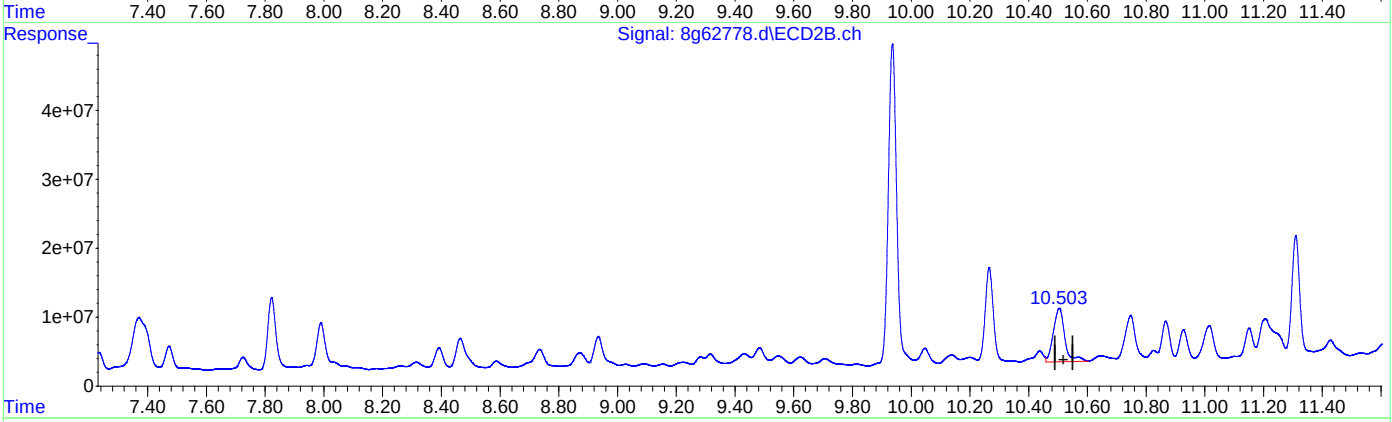
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62778.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 6:43 am
Operator : christp
Sample : je1300-21rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 16:47:38 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(23) Methoxychlor (A)

0.000min 0.000 PPB

response 0

(23) Methoxychlor #2 (A)

10.504min 3.794 PPB

response 211279375

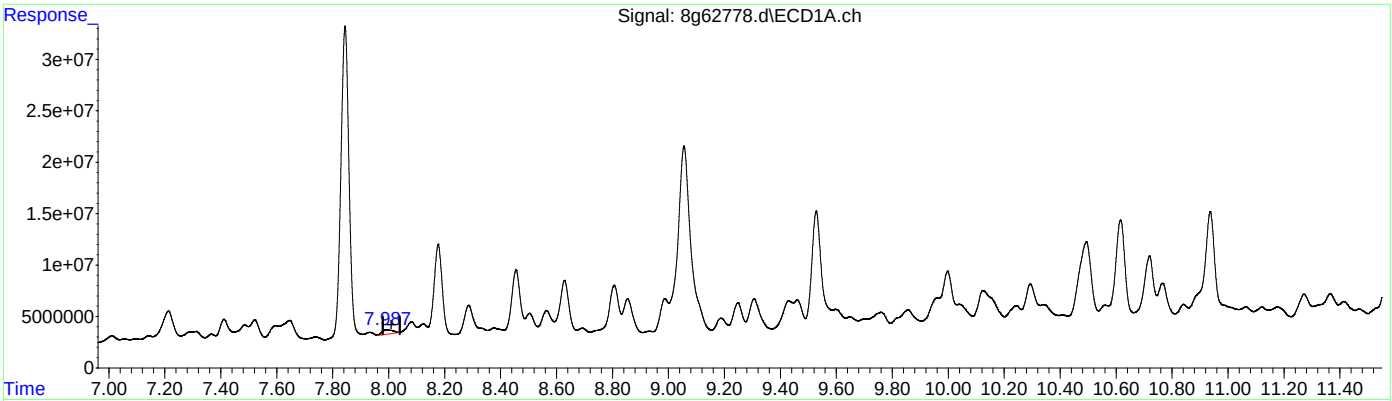
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 17:16:27 2024

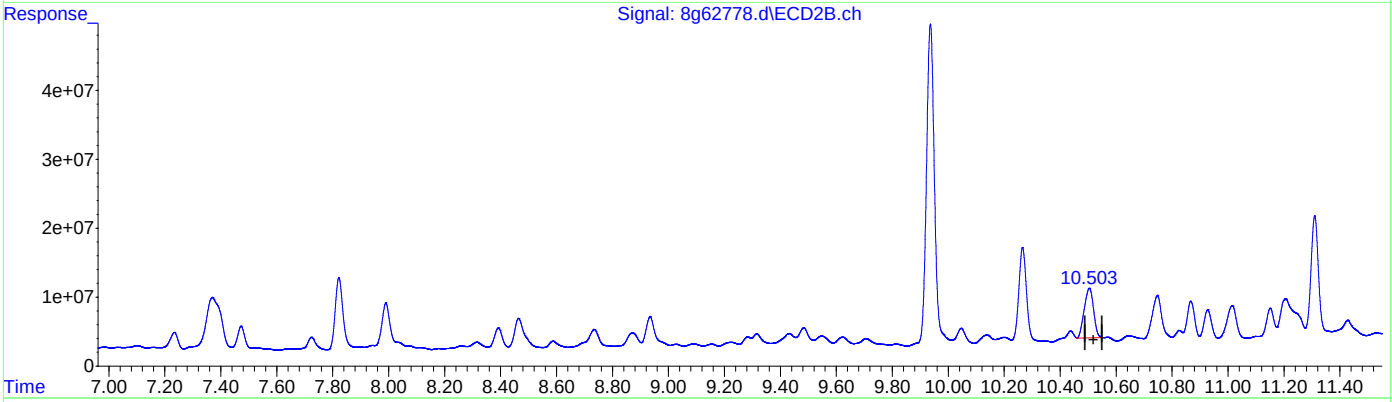
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62778.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 6:43 am
Operator : christp
Sample : je1300-21rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 16:47:38 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(23) Methoxychlor (A)

7.987min 0.299 PPB m

response 11365730

(23) Methoxychlor #2 (A)

10.503min 2.990 PPB m

response 166531061

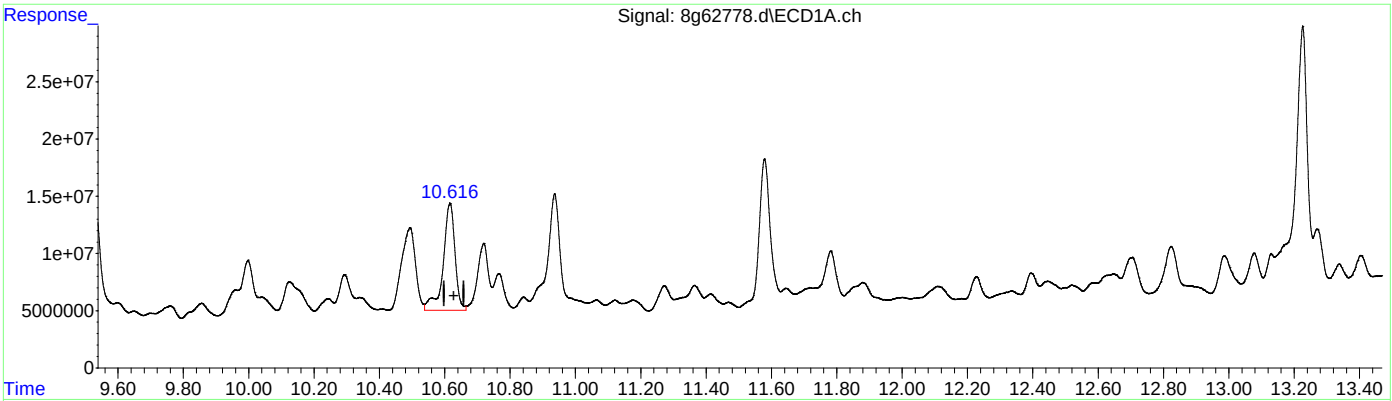
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 17:18:43 2024

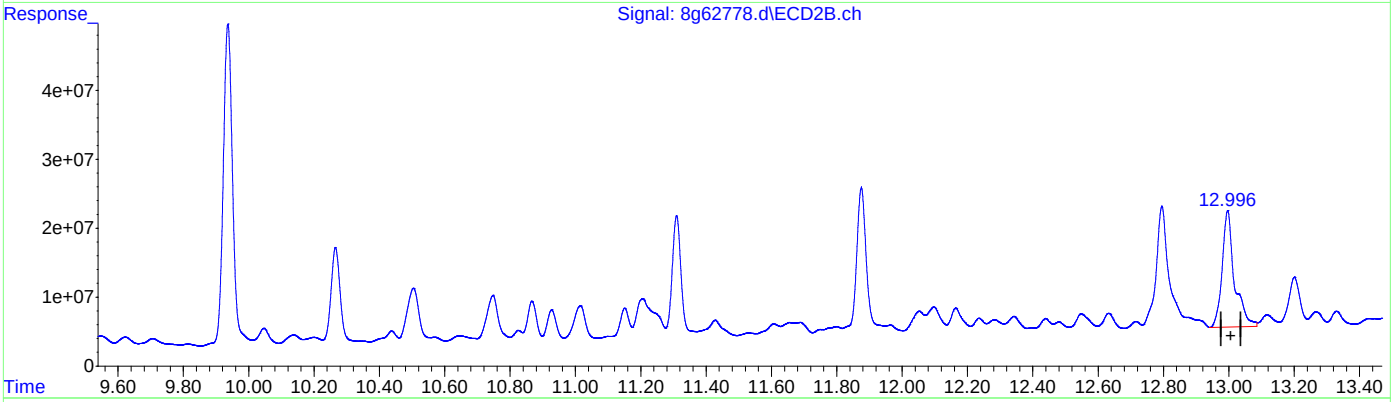
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62778.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 6:43 am
Operator : christp
Sample : je1300-21rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 16:47:38 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(26) Decachlorobiphenyl (SA)

10.616min 3.785 PPB

response 235763974

(26) Decachlorobiphenyl #2 (SA)

12.996min 4.589 PPB

response 442655628

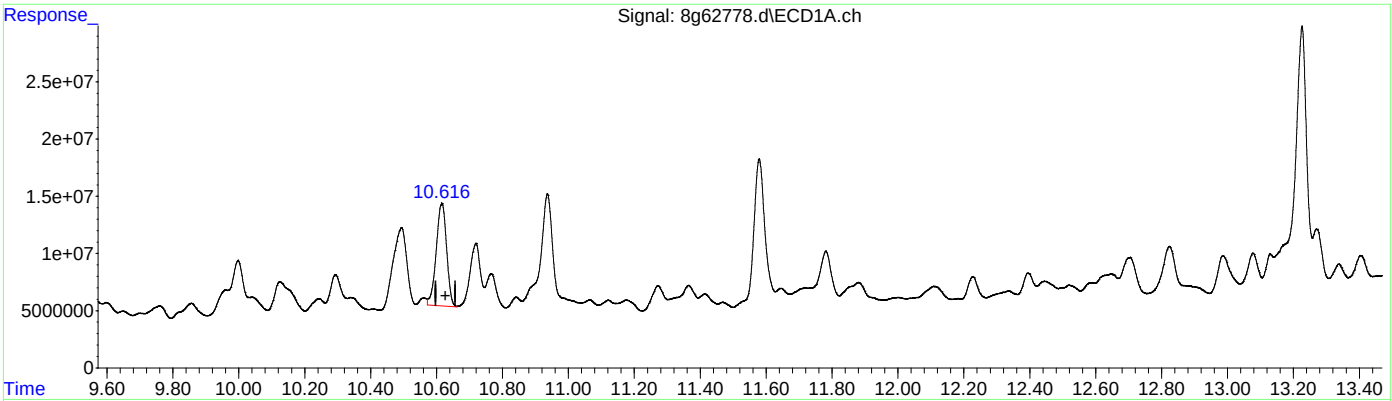
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 17:22:35 2024

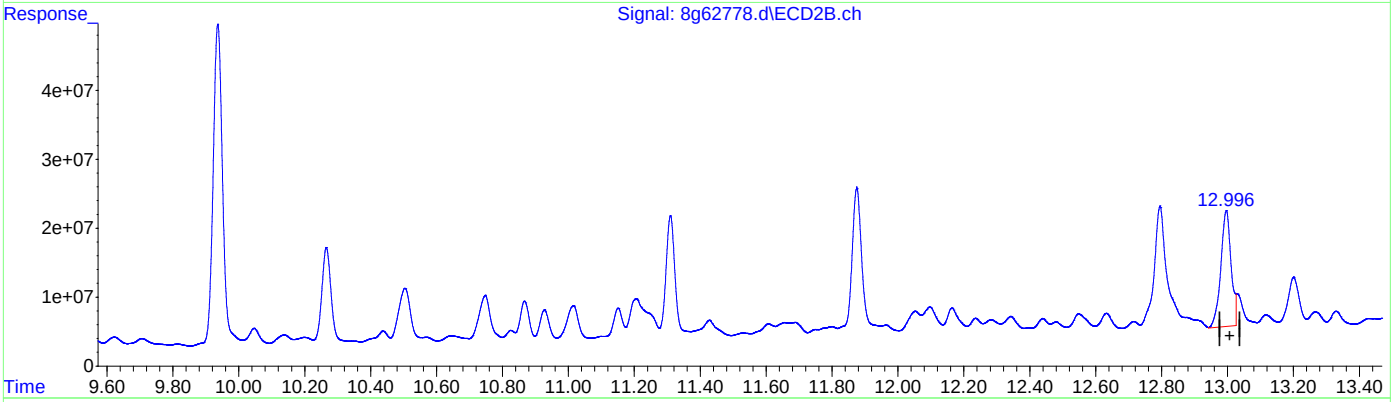
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62778.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 6:43 am
Operator : christp
Sample : je1300-21rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 16:47:38 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(26) Decachlorobiphenyl (SA)

10.616min 3.154 PPB m

response 196438574

(26) Decachlorobiphenyl #2 (SA)

12.996min 3.792 PPB m

response 365744835

(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 17:25:30 2024

Manual Integrations APPROVED (compounds with "m" flag)
Syra Marie Pacheco
12/09/24 02:55

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62779.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 7:06 am
Operator : christp
Sample : je1300-32rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 18:37:27 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1)	I 1-bromo-2...	2.412	2.772	327.3E6	663.9E6	5.000m	5.000
27)	I 1-bromo-2...	2.412	2.772	328.1E6	663.9E6	5.000m	5.000
33)	I 1-bromo-2...	2.412	2.772	327.9E6	663.9E6	5.000m	5.000
	System Monitoring Compounds						
2)	SAB Tetrachlo...	2.957	3.654	196.5E6	532.2E6	3.112m	3.272m
	Spiked Amount 40.000	Range 30 - 150		Recovery =		7.78%#	8.18%#
26)	SA Decachlor...	10.614	12.996	169.3E6	347.8E6	2.787	3.780 #
	Spiked Amount 40.000			Recovery =		6.97%	9.45%
	Target Compounds						
11)	B Heptachlo...	5.410f	6.923	21187274	15532258	0.285m	0.101m#
12)	B gamma-Chl...	5.598	7.232	43427172	97009205	0.549m	0.636m
13)	B alpha-Chl...	5.772	7.473	109.9E6	164.2E6	1.491m	1.083 #
15)	B 4,4'-DDE	5.881	7.724	954.2E6	1875.0E6	12.648	12.754m
16)	MA Dieldrin	6.315	8.053	8935360	20899879	0.119m	0.133m
18)	A 4,4'-DDD	6.767	8.719	105.6E6	268.9E6	1.672	2.081
20)	MA 4,4'-DDT	7.205	9.281	68637021	169.3E6	1.076m	1.583m#

SemiQuant Compounds - Not Calibrated on this Instrument

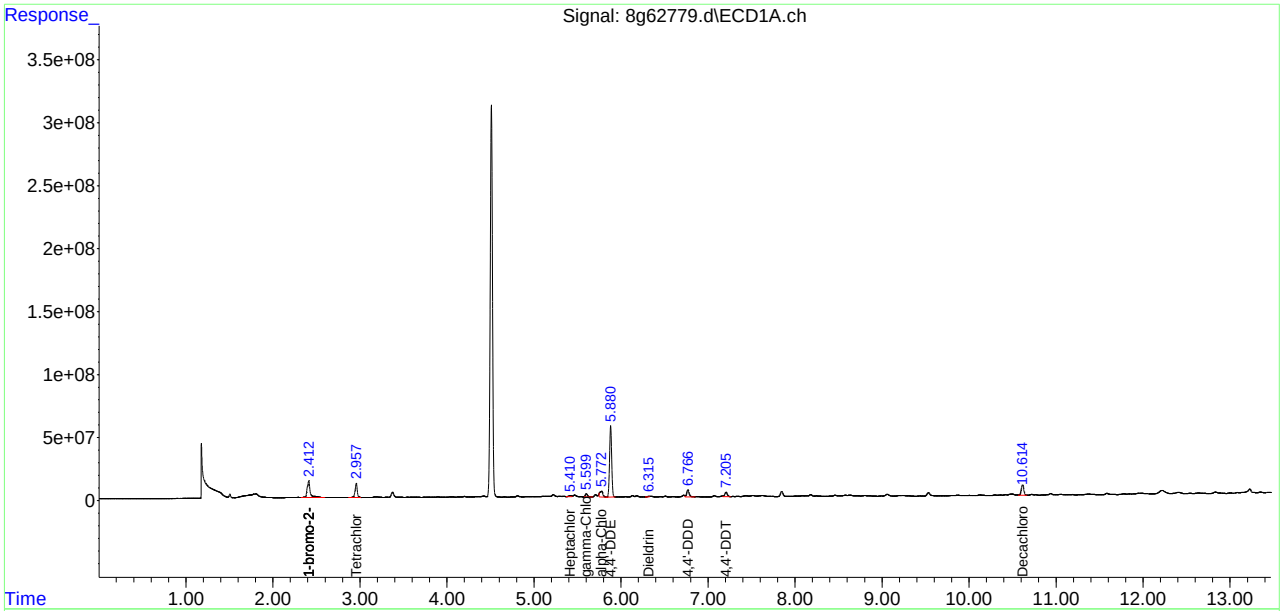
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

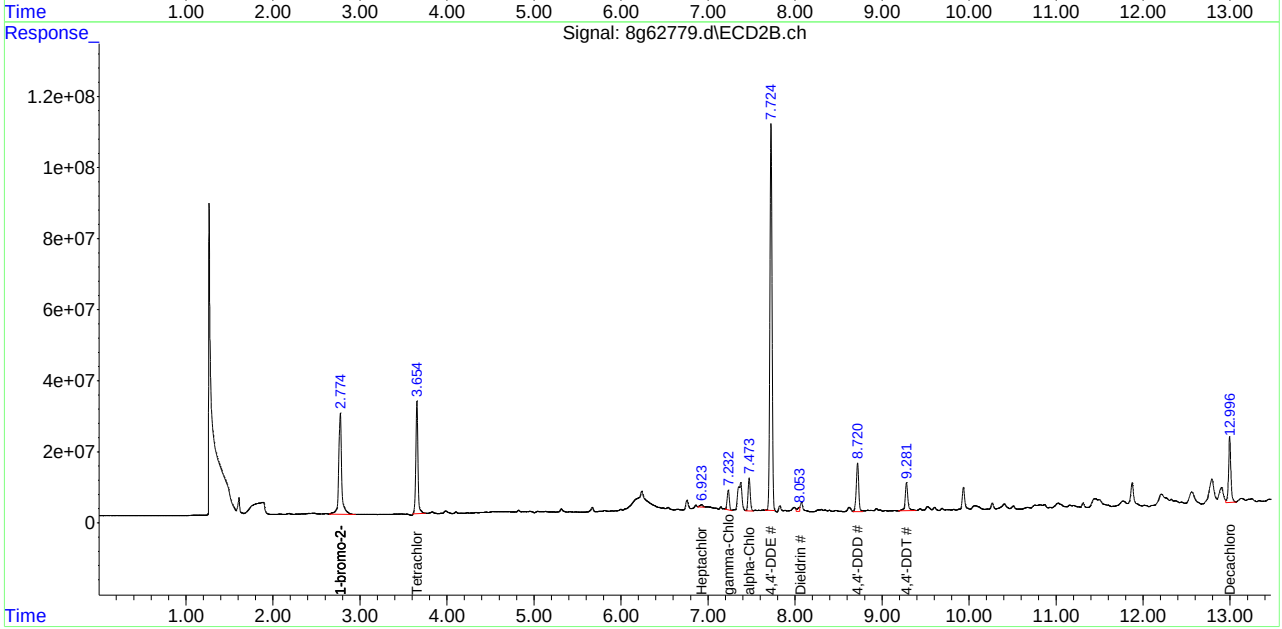
Quantitation Report (QT Reviewed)

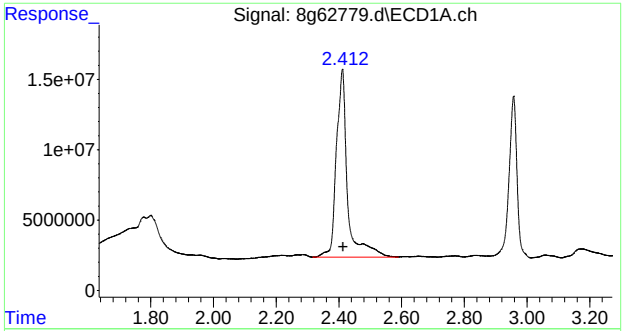
Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62779.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 7:06 am
Operator : christp
Sample : je1300-32rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 18:37:27 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

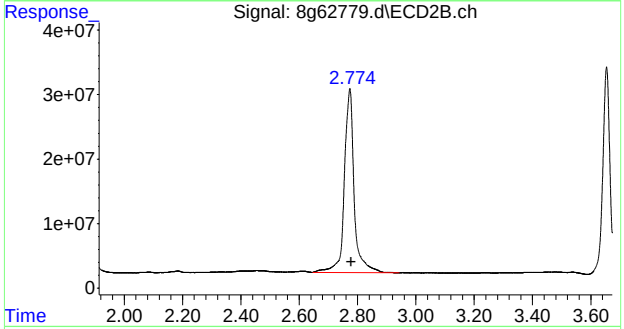






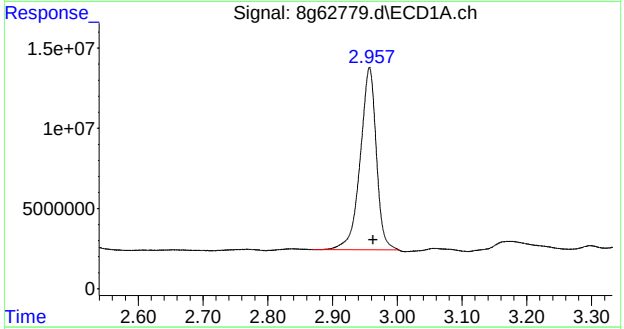
#1 1-bromo-2-nitrobenzene

R.T.: 2.412 min
Delta R.T.: -0.001 min
Response: 327325042
Conc: 5.00 PPB m



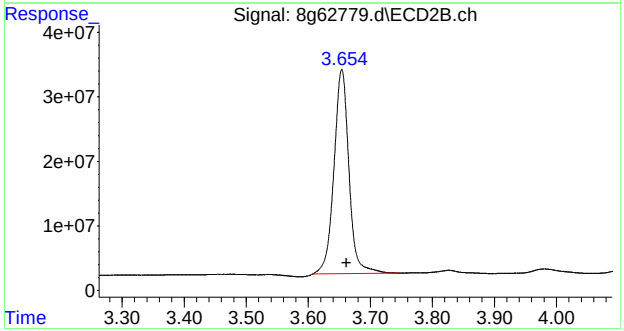
#1 1-bromo-2-nitrobenzene

R.T.: 2.772 min
Delta R.T.: -0.006 min
Response: 663935144
Conc: 5.00 PPB



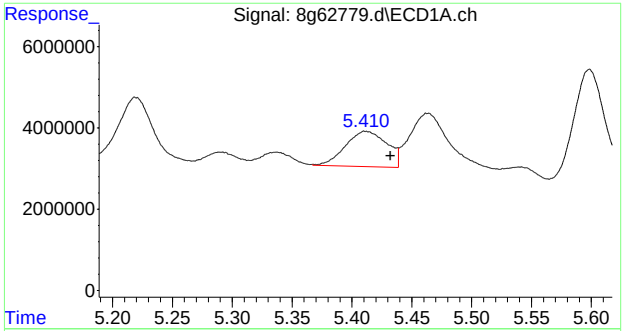
#2 Tetrachloro-m-xylene

R.T.: 2.957 min
Delta R.T.: -0.005 min
Response: 196534922
Conc: 3.11 PPB m



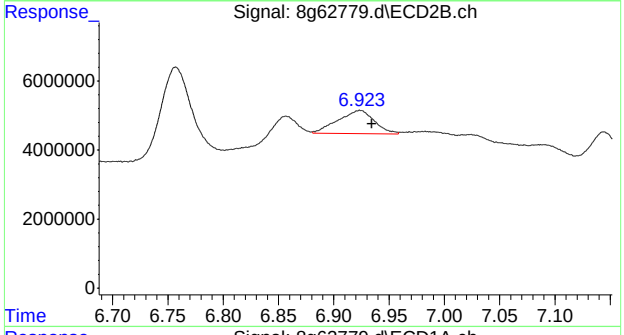
#2 Tetrachloro-m-xylene

R.T.: 3.654 min
Delta R.T.: -0.008 min
Response: 532233173
Conc: 3.27 PPB m



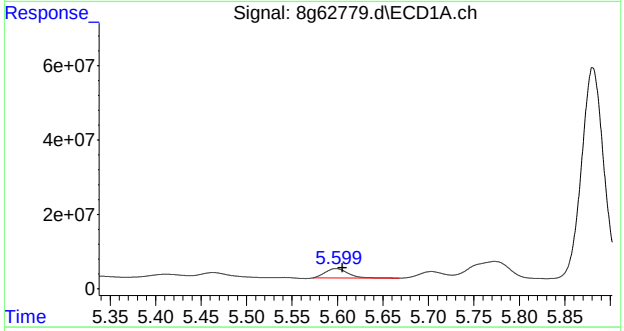
#11 Heptachlor Epoxide

R.T.: 5.410 min
Delta R.T.: -0.022 min
Response: 21187274
Conc: 0.29 PPB m



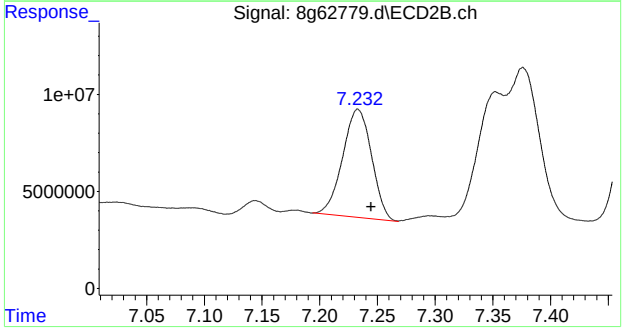
#11 Heptachlor Epoxide

R.T.: 6.923 min
Delta R.T.: -0.011 min
Response: 15532258
Conc: 0.10 PPB m



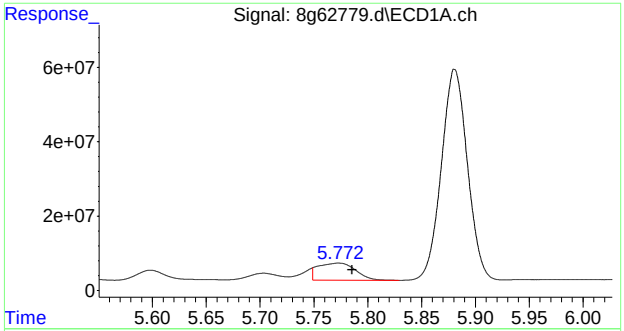
#12 gamma-Chlordane

R.T.: 5.598 min
Delta R.T.: -0.007 min
Response: 43427172
Conc: 0.55 PPB m



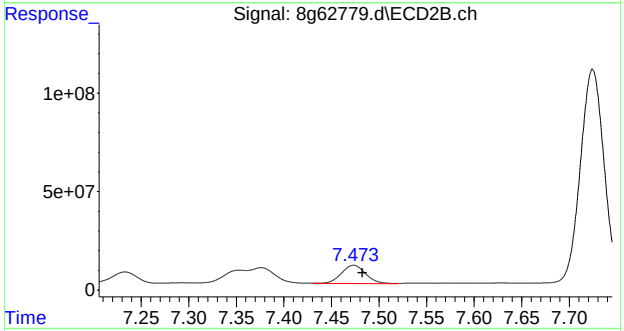
#12 gamma-Chlordane

R.T.: 7.232 min
Delta R.T.: -0.012 min
Response: 97009205
Conc: 0.64 PPB m



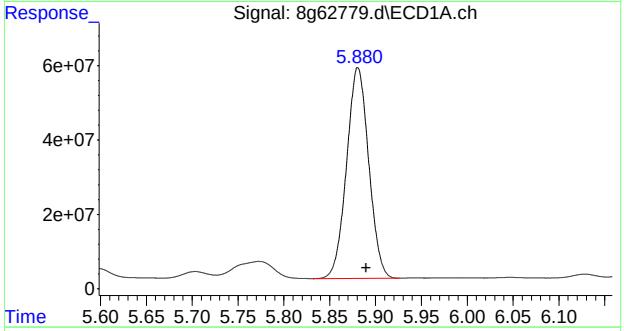
#13 alpha-Chlordane

R.T.: 5.772 min
Delta R.T.: -0.013 min
Response: 109859829
Conc: 1.49 PPB m



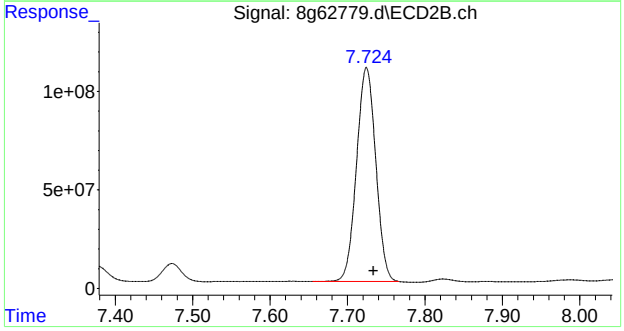
#13 alpha-Chlordane

R.T.: 7.473 min
Delta R.T.: -0.009 min
Response: 164204119
Conc: 1.08 PPB



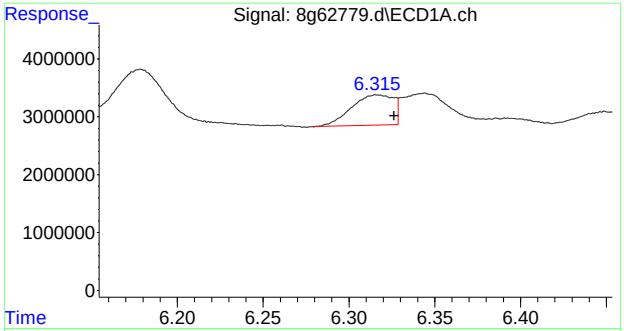
#15 4,4'-DDE

R.T.: 5.881 min
Delta R.T.: -0.009 min
Response: 954152304
Conc: 12.65 PPB



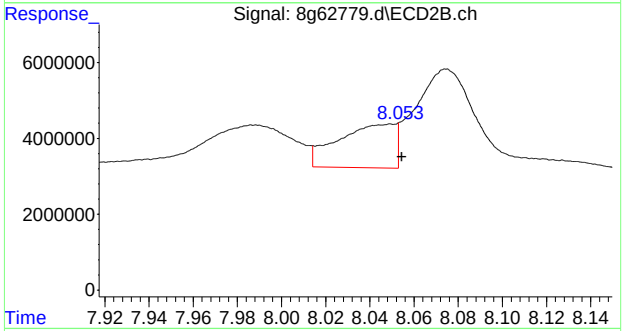
#15 4,4'-DDE

R.T.: 7.724 min
Delta R.T.: -0.009 min
Response: 1874970773
Conc: 12.75 PPB m



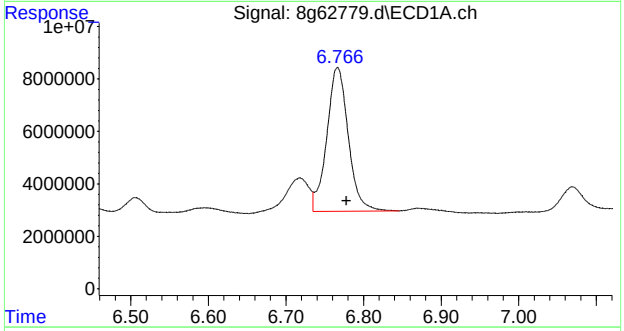
#16 Dieldrin

R.T.: 6.315 min
Delta R.T.: -0.011 min
Response: 8935360
Conc: 0.12 PPB m



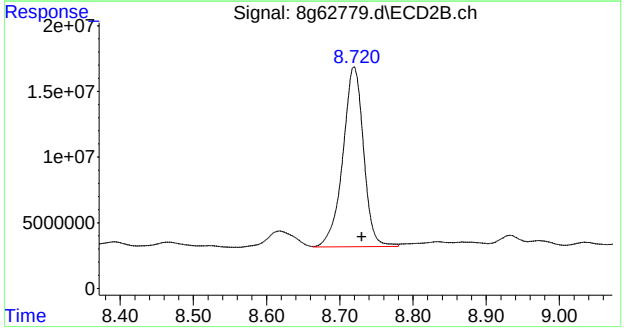
#16 Dieldrin

R.T.: 8.053 min
Delta R.T.: -0.002 min
Response: 20899879
Conc: 0.13 PPB m



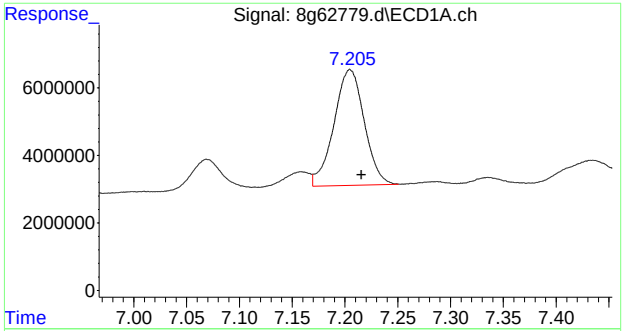
#18 4,4'-DDD

R.T.: 6.767 min
Delta R.T.: -0.011 min
Response: 105594616
Conc: 1.67 PPB



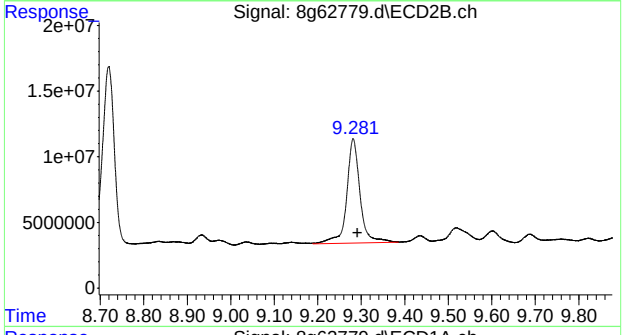
#18 4,4'-DDD

R.T.: 8.719 min
Delta R.T.: -0.011 min
Response: 268944825
Conc: 2.08 PPB



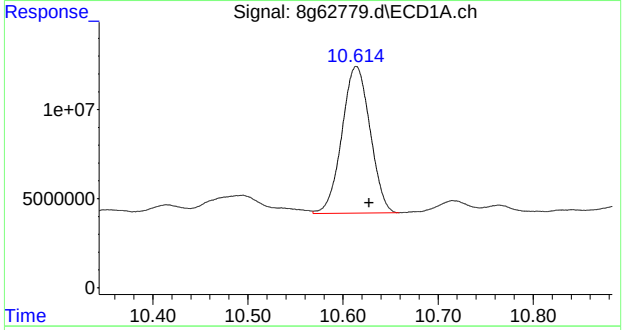
#20 4,4'-DDT

R.T.: 7.205 min
Delta R.T.: -0.011 min
Response: 68637021
Conc: 1.08 PPB m



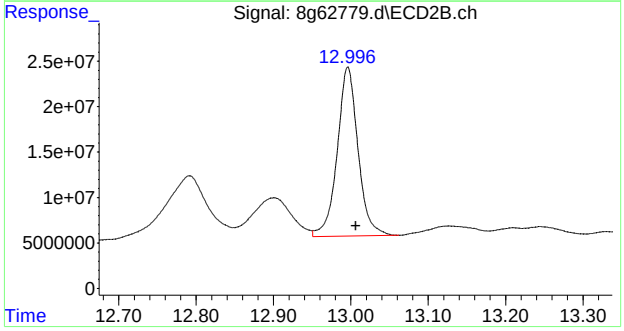
#20 4,4'-DDT

R.T.: 9.281 min
Delta R.T.: -0.011 min
Response: 169257697
Conc: 1.58 PPB m



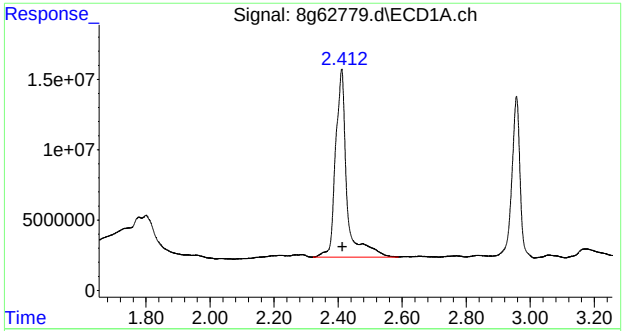
#26 Decachlorobiphenyl

R.T.: 10.614 min
Delta R.T.: -0.013 min
Response: 169297116
Conc: 2.79 PPB



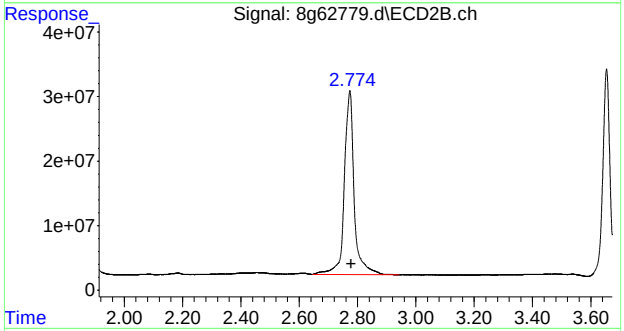
#26 Decachlorobiphenyl

R.T.: 12.996 min
Delta R.T.: -0.010 min
Response: 347827592
Conc: 3.78 PPB



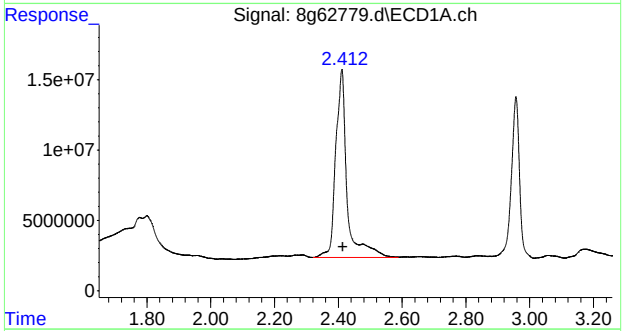
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.412 min
Delta R.T.: -0.002 min
Response: 328080434
Conc: 5.00 PPB m



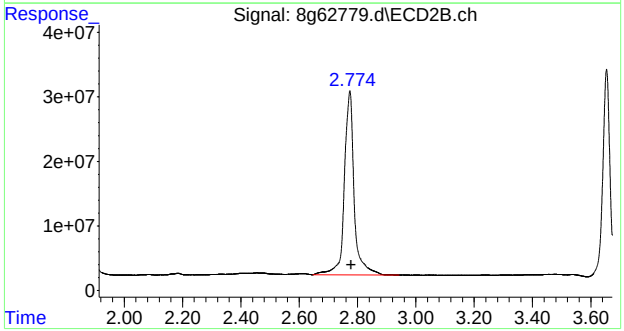
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.772 min
Delta R.T.: -0.006 min
Response: 663935144
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.412 min
Delta R.T.: -0.002 min
Response: 327934669
Conc: 5.00 PPB m



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.772 min
Delta R.T.: -0.006 min
Response: 663935144
Conc: 5.00 PPB

Manual Integration Approval Summary

Sample Number: JE1300-32R
Lab FileID: 8G62779.D
Injection Time: 12/03/24 07:06
Method: SW846 8081B
Analyst approved: 12/03/24 17:15 Gwendolyn Burns
Supervisor approved: 12/09/24 02:55 Syra Marie Pacheco

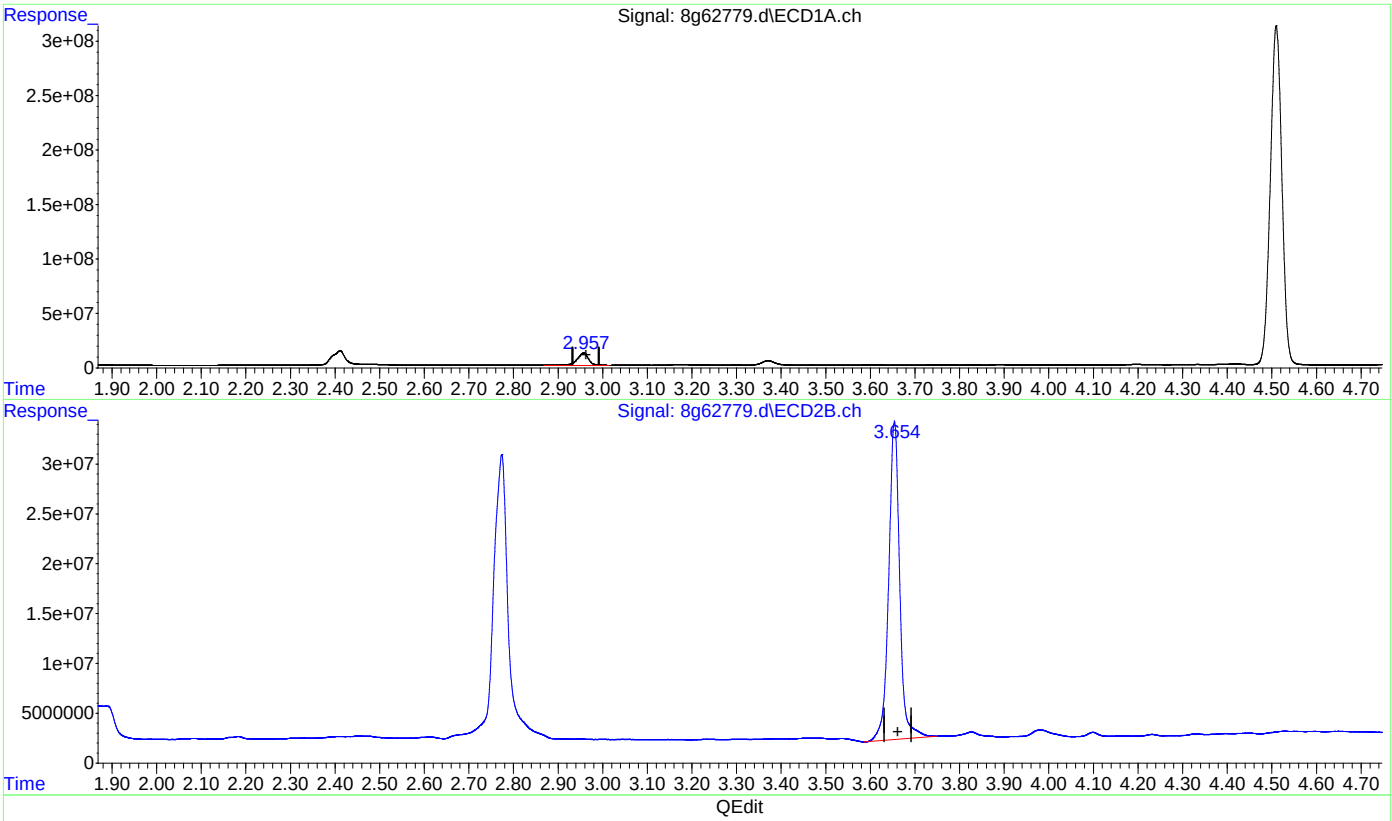
Parameter	CAS	Sig#	R.T. (min.)	Reason
1-Bromo-2-nitrobenzene	577-19-5	1	2.41	Poorly defined baseline
Tetrachloro-m-xylene	877-09-8	1	2.96	Poorly defined baseline
Tetrachloro-m-xylene	877-09-8	2	3.65	Poorly defined baseline
Heptachlor epoxide	1024-57-3	1	5.41	Poorly defined baseline
gamma-Chlordane	5103-74-2	1	5.60	Poorly defined baseline
alpha-Chlordane	5103-71-9	1	5.77	Poorly defined baseline
Dieldrin	60-57-1	1	6.31	Poorly defined baseline
Heptachlor epoxide	1024-57-3	2	6.92	Poorly defined baseline
4,4'-DDT	50-29-3	1	7.20	Poorly defined baseline
gamma-Chlordane	5103-74-2	2	7.23	Poorly defined baseline
4,4'-DDE	72-55-9	2	7.72	Poorly defined baseline
Dieldrin	60-57-1	2	8.05	Poorly defined baseline
4,4'-DDT	50-29-3	2	9.28	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62779.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 7:06 am
Operator : christp
Sample : je1300-32rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 17:32:16 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(2) Tetrachloro-m-xylene (SAB)

2.957min 2.943 PPB

response 208313913

(2) Tetrachloro-m-xylene #2 (SAB)

3.654min 3.368 PPB

response 547939644

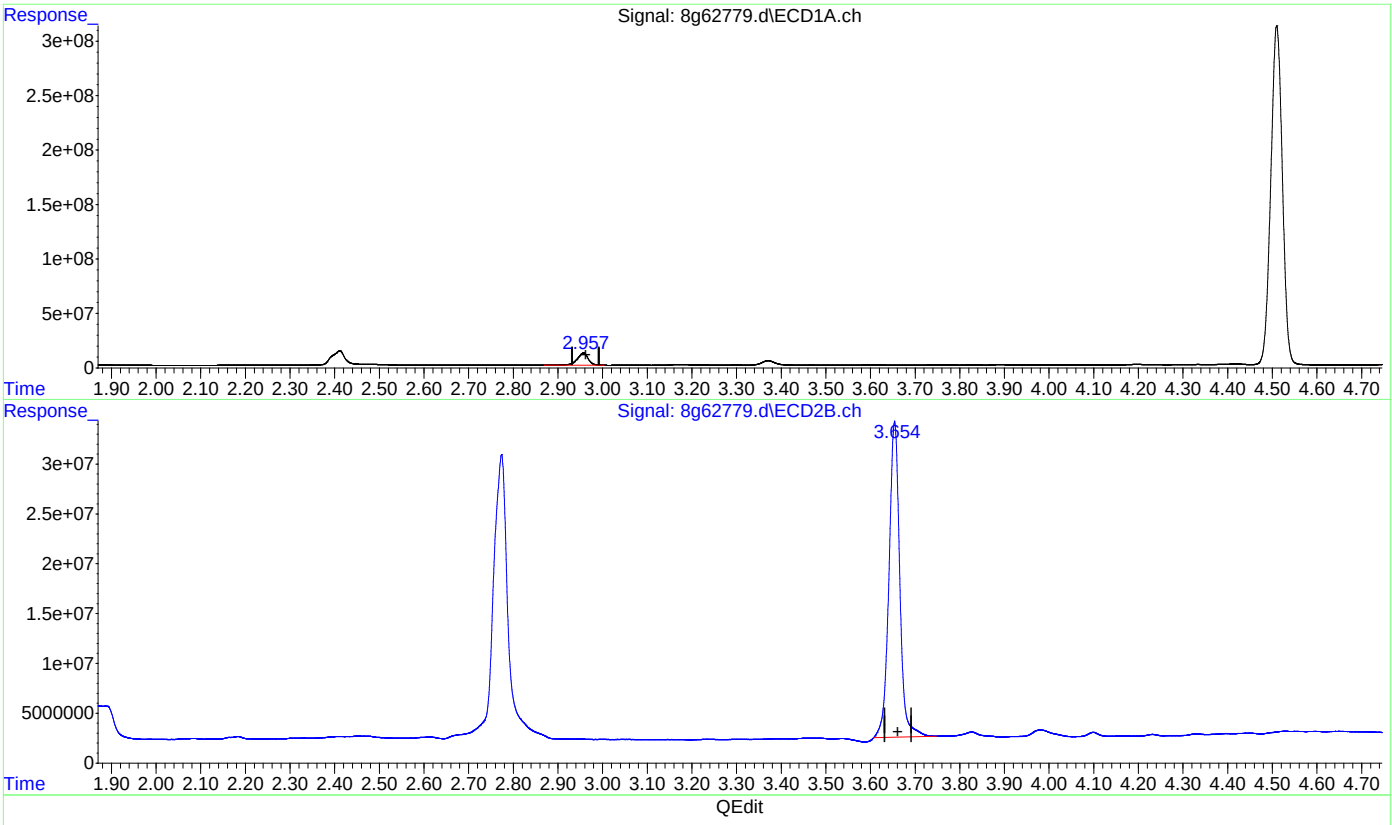
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62779.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 7:06 am
Operator : christp
Sample : je1300-32rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 17:32:16 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(2) Tetrachloro-m-xylene (SAB)

2.957min 2.776 PPB m

response 196534922

(2) Tetrachloro-m-xylene #2 (SAB)

3.654min 3.272 PPB m

response 532233173

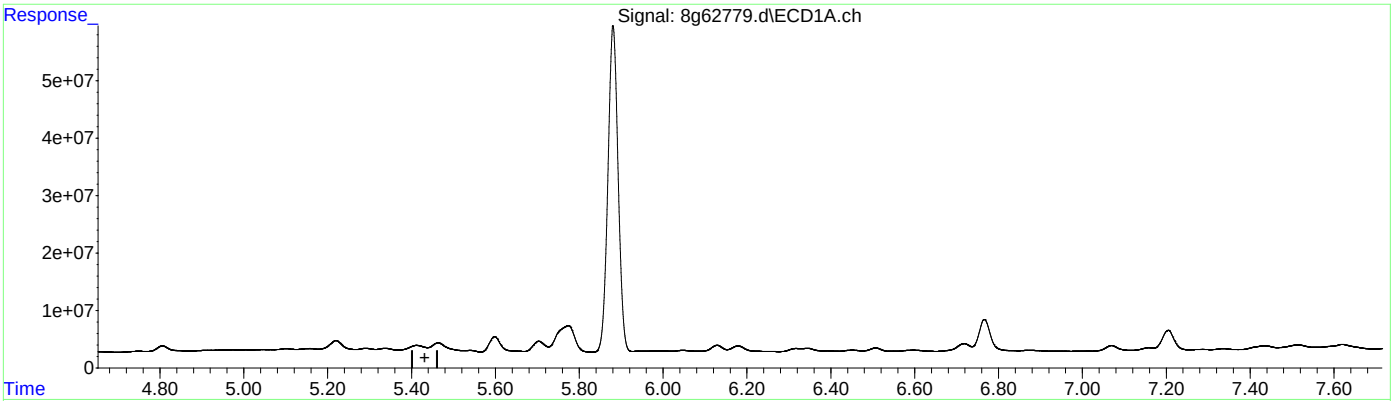
(+) = Expected Retention Time

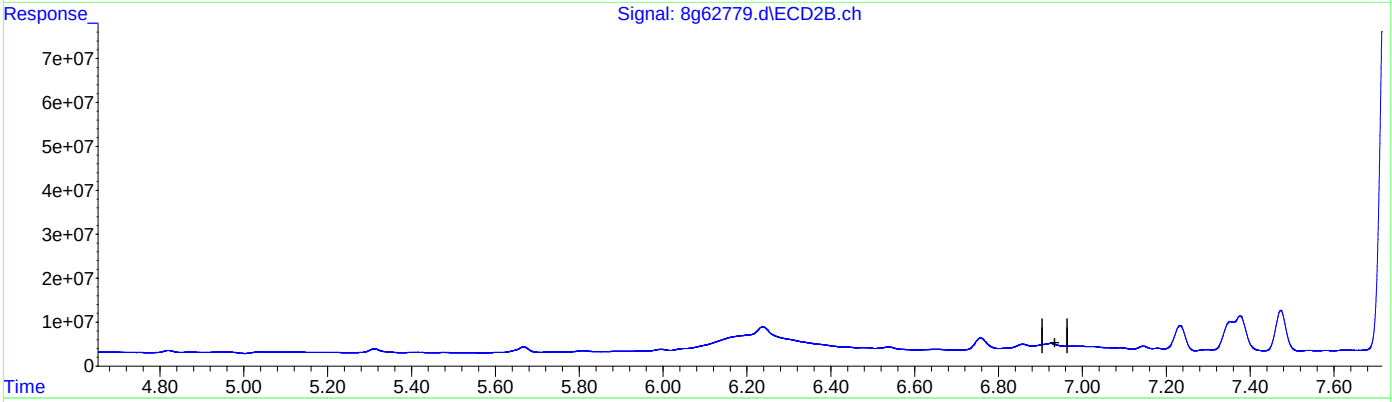
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62779.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 7:06 am
Operator : christp
Sample : je1300-32rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 17:32:16 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(11) Heptachlor Epoxide (B)

0.000min 0.000 PPB

response 0

(11) Heptachlor Epoxide #2 (B)

0.000min 0.000 PPB

response 0

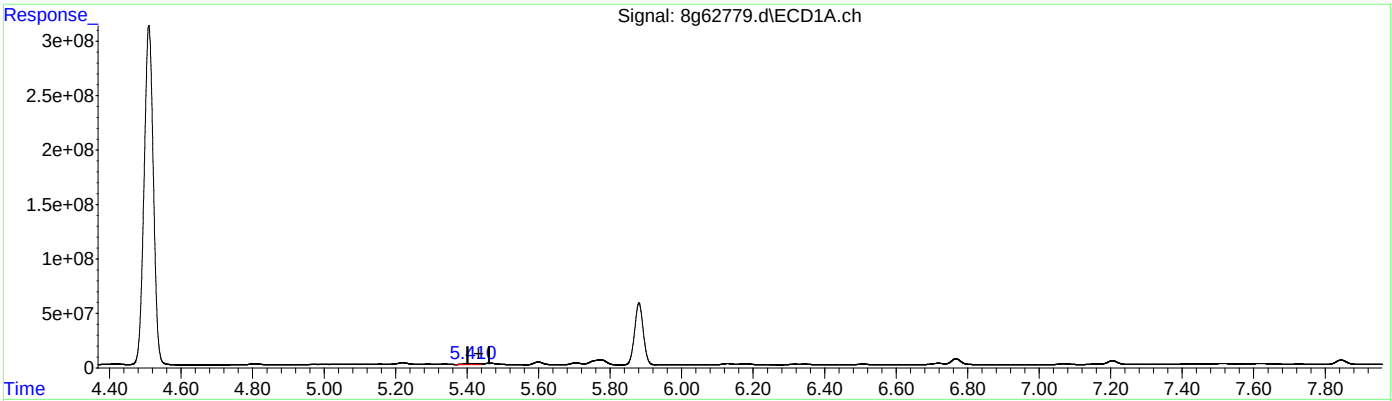
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 17:37:06 2024

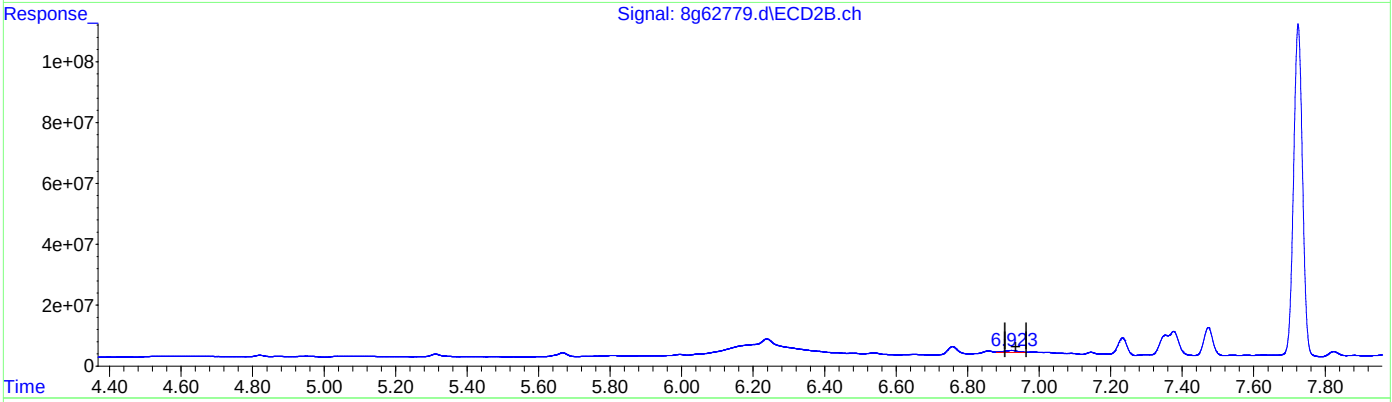
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62779.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 7:06 am
Operator : christp
Sample : je1300-32rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 17:32:16 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(11) Heptachlor Epoxide (B)

5.410min 0.255 PPB m

response 21187274

(11) Heptachlor Epoxide #2 (B)

6.923min 0.101 PPB m

response 15532258

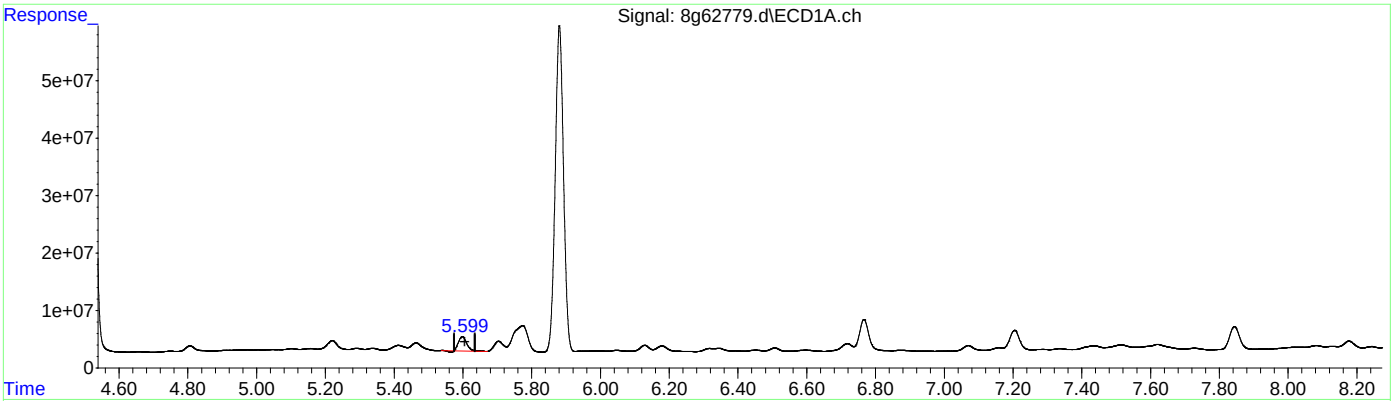
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 17:37:52 2024

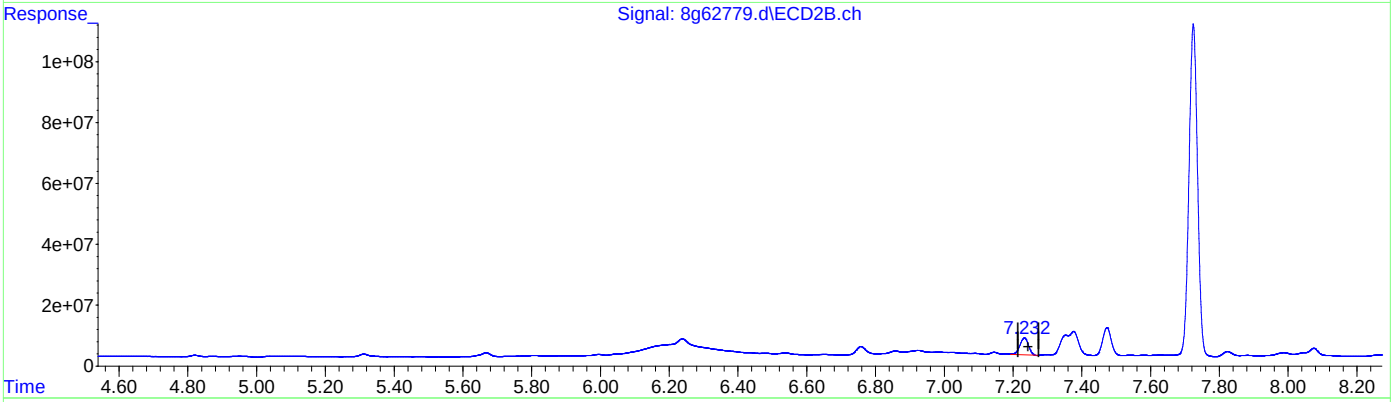
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62779.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 7:06 am
Operator : christp
Sample : je1300-32rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 17:32:16 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(12) gamma-Chlordane (B)

5.598min 0.466 PPB

response 41300485

(12) gamma-Chlordane #2 (B)

7.233min 0.642 PPB

response 97949718

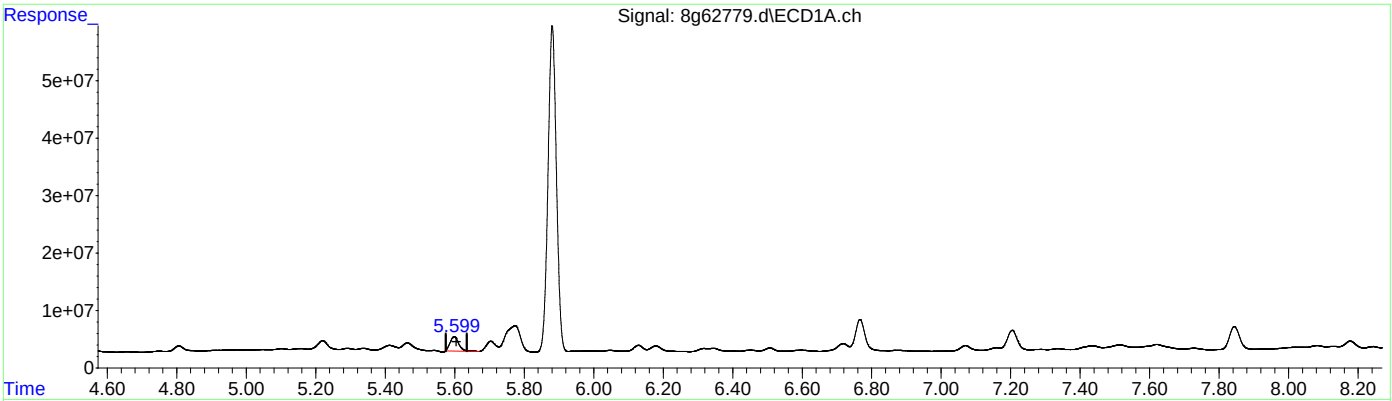
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 17:38:04 2024

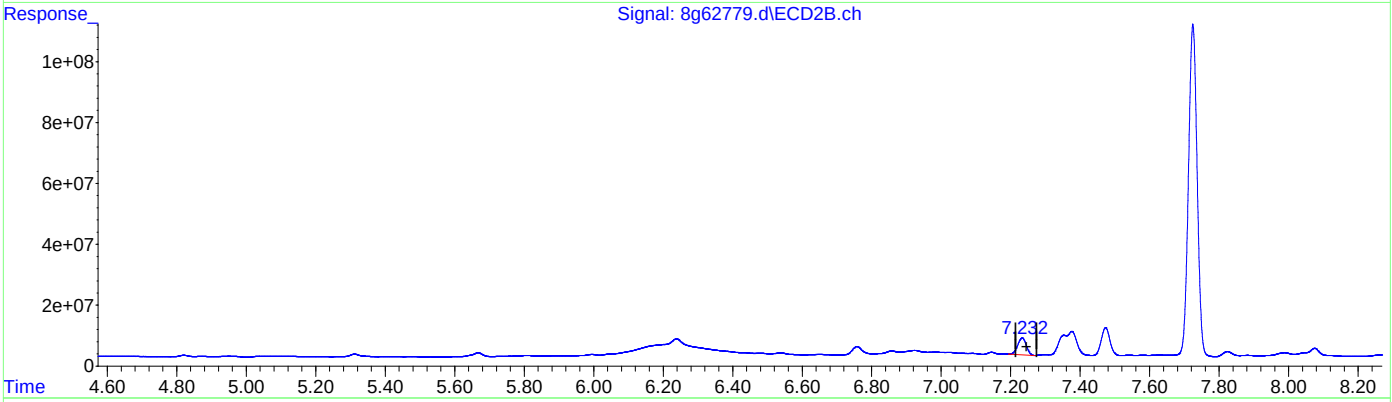
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62779.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 7:06 am
Operator : christp
Sample : je1300-32rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 17:32:16 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(12) gamma-Chlordane (B)

5.598min 0.490 PPB m

response 43427172

(12) gamma-Chlordane #2 (B)

7.232min 0.636 PPB m

response 97009205

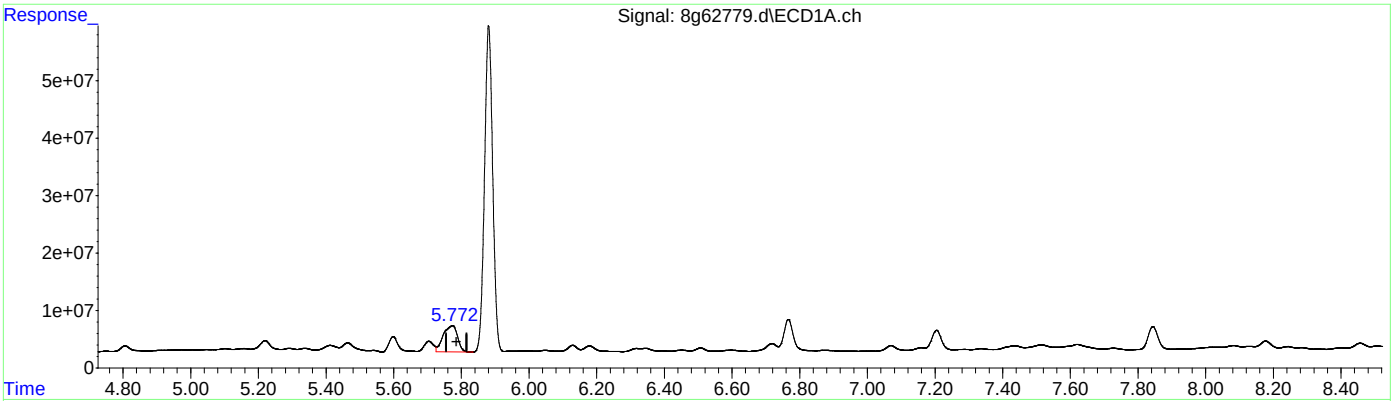
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 17:38:31 2024

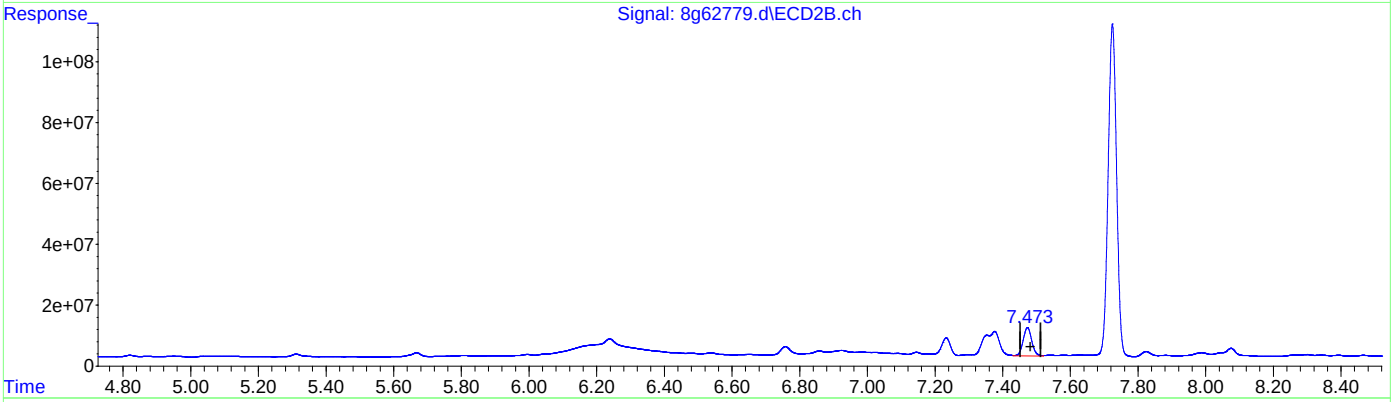
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62779.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 7:06 am
Operator : christp
Sample : je1300-32rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 17:32:16 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(13) alpha-Chlordane (B)

5.771min 1.630 PPB

response 134700292

(13) alpha-Chlordane #2 (B)

7.473min 1.083 PPB

response 164204119

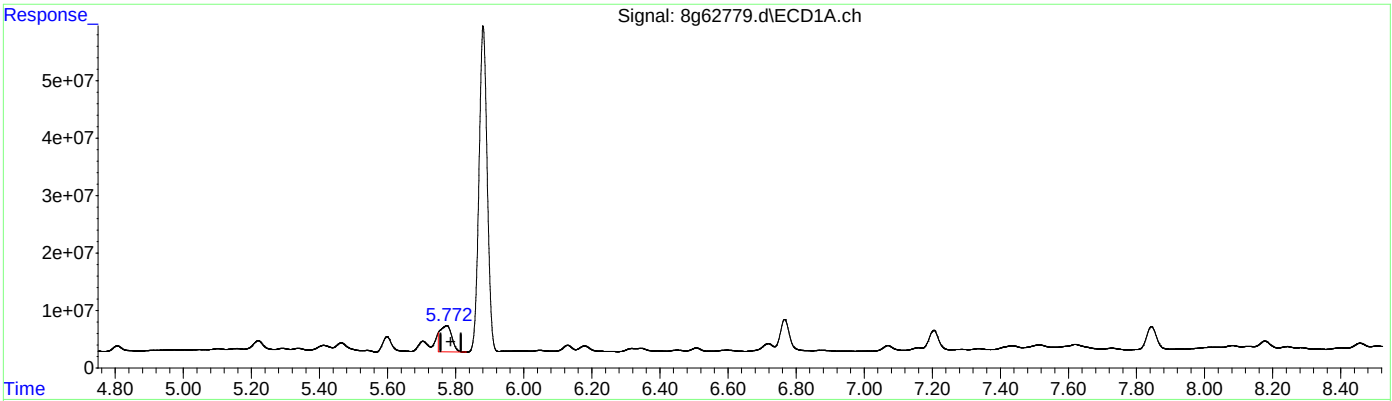
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 17:38:46 2024

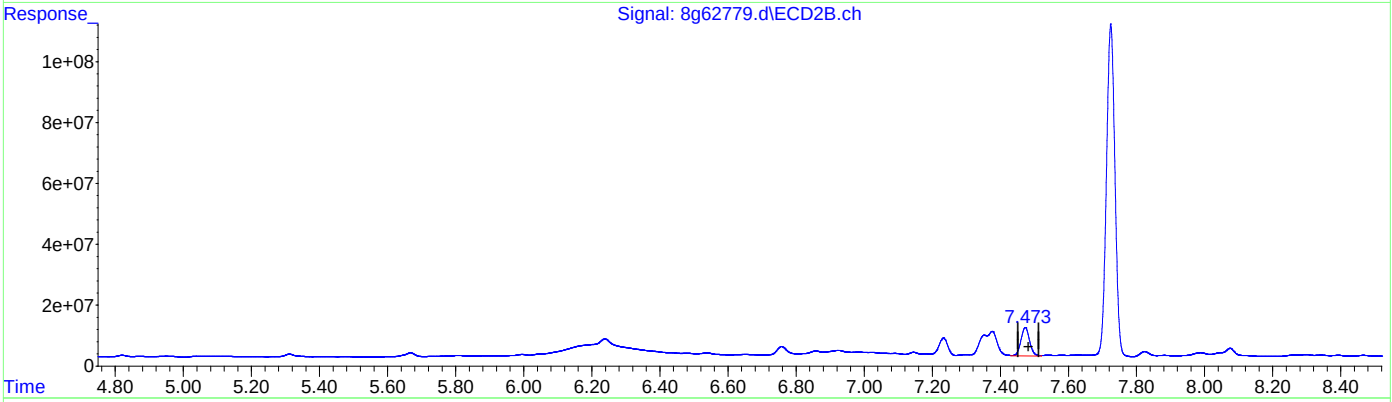
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62779.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 7:06 am
Operator : christp
Sample : je1300-32rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 17:32:16 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(13) alpha-Chlordane (B)

5.772min 1.330 PPB m

response 109859829

(13) alpha-Chlordane #2 (B)

7.473min 1.083 PPB

response 164204119

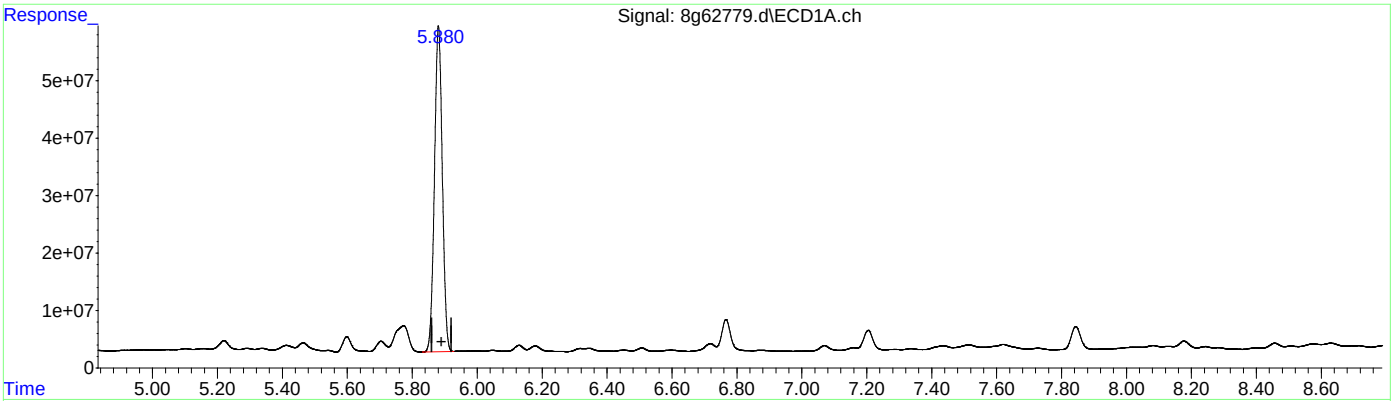
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 17:39:18 2024

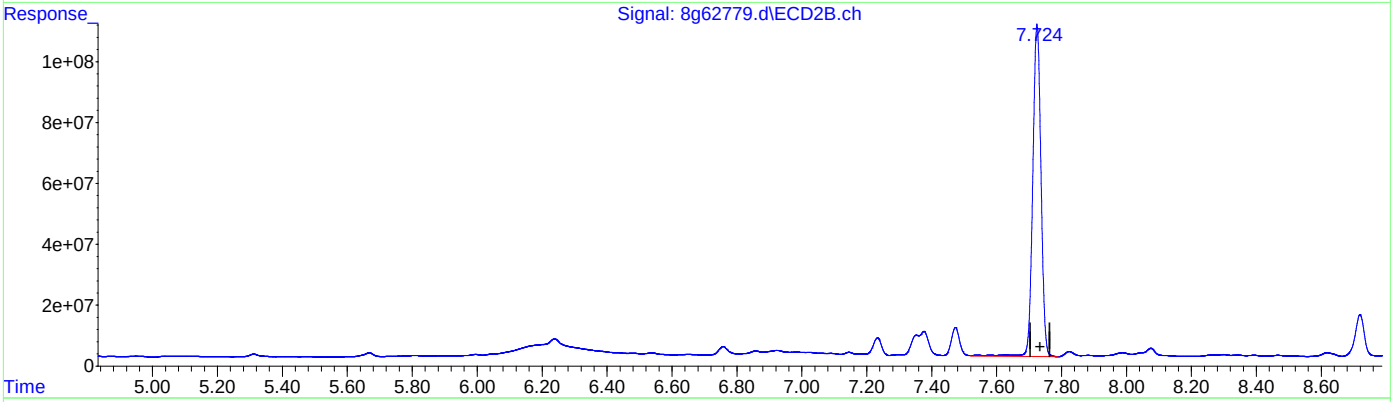
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62779.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 7:06 am
Operator : christp
Sample : je1300-32rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 17:32:16 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(15) 4,4'-DDE (B)

5.881min 11.283 PPB

response 954152304

(15) 4,4'-DDE #2 (B)

7.725min 13.097 PPB

response 1925298945

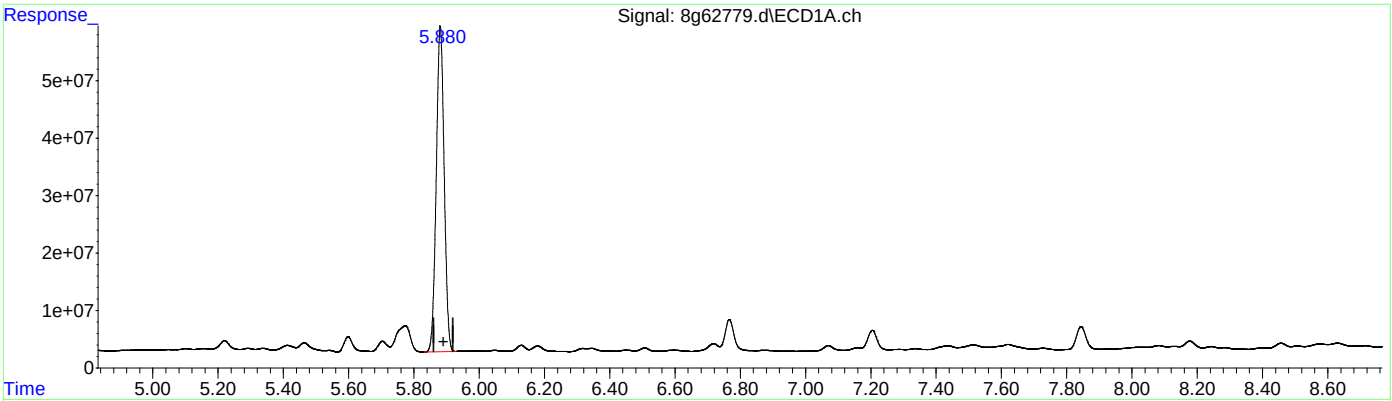
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 17:39:39 2024

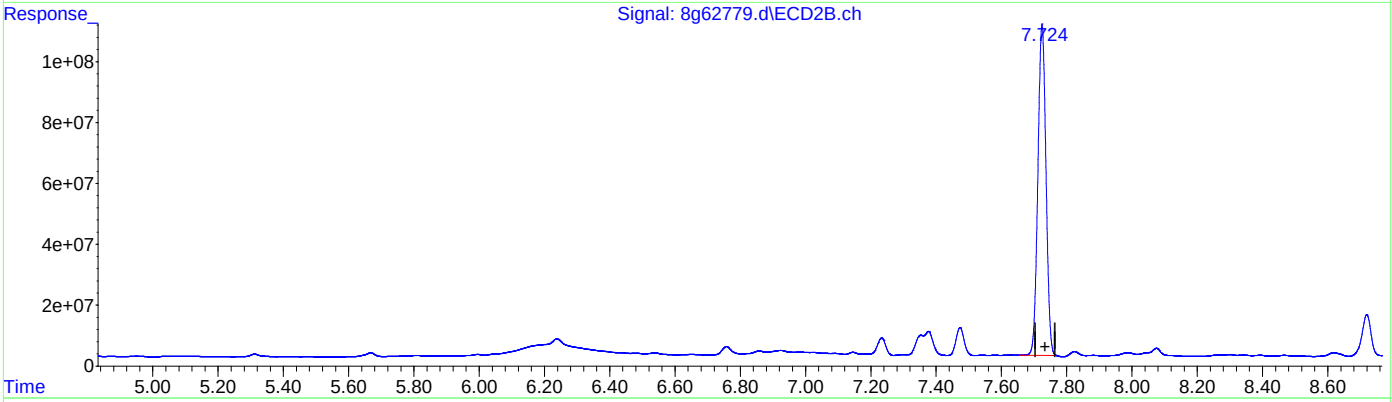
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62779.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 7:06 am
Operator : christp
Sample : je1300-32rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 17:32:16 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(15) 4,4'-DDE (B)

5.881min 11.283 PPB

response 954152304

(15) 4,4'-DDE #2 (B)

7.724min 12.754 PPB m

response 1874970773

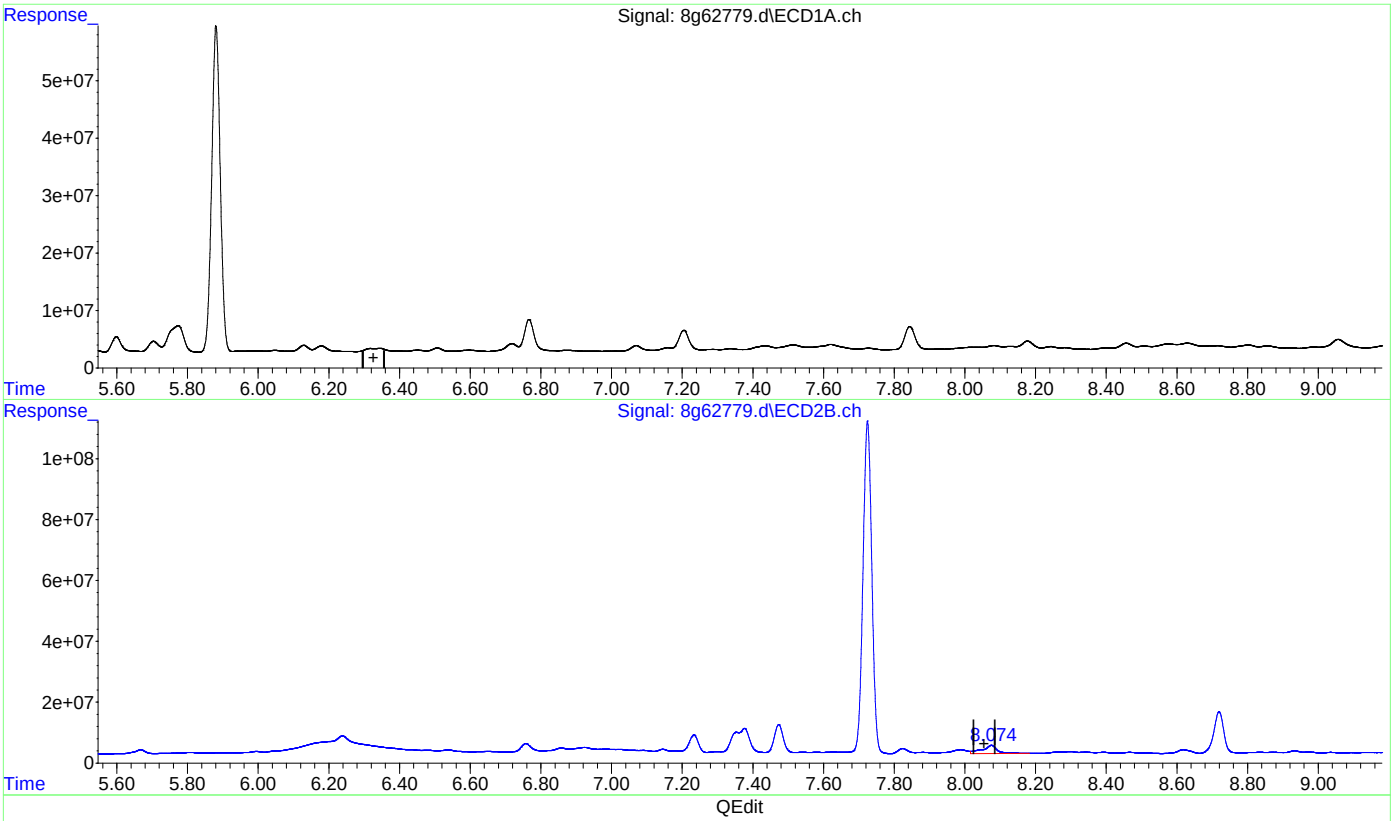
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 17:40:49 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62779.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 7:06 am
Operator : christp
Sample : je1300-32rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 17:39:47 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(16) Dieldrin (MA)

0.000min 0.000 PPB

response 0

(16) Dieldrin #2 (MA)

8.074min 0.515 PPB

response 80917011

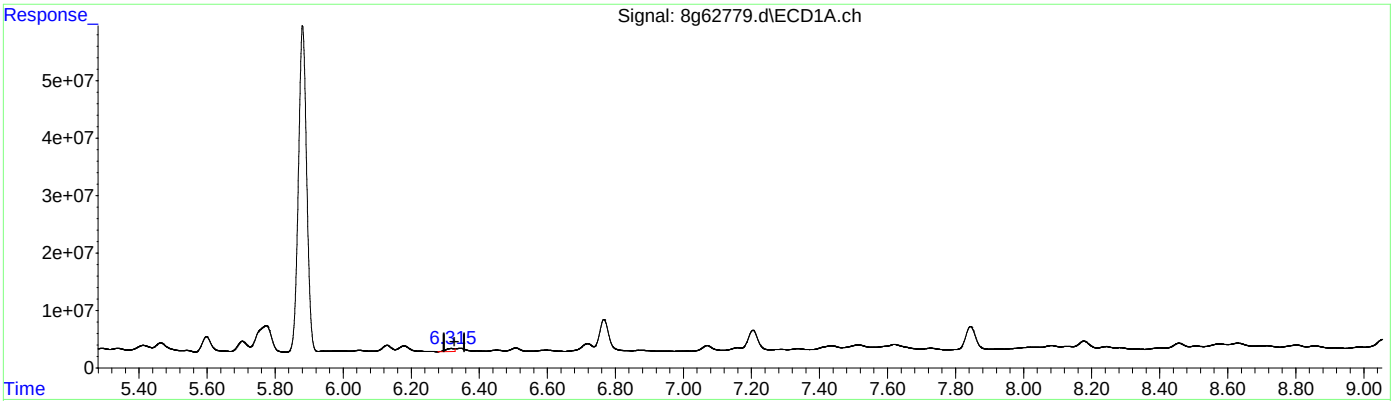
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 17:42:28 2024

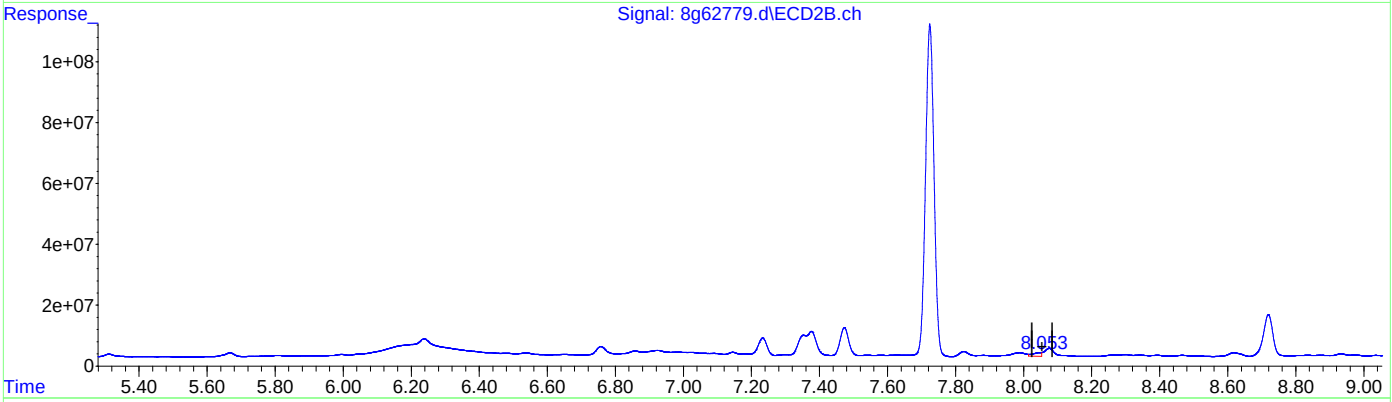
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62779.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 7:06 am
Operator : christp
Sample : je1300-32rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 17:39:47 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(16) Dieldrin (MA)

6.315min 0.106 PPB m

response 8935360

(16) Dieldrin #2 (MA)

8.053min 0.133 PPB m

response 20899879

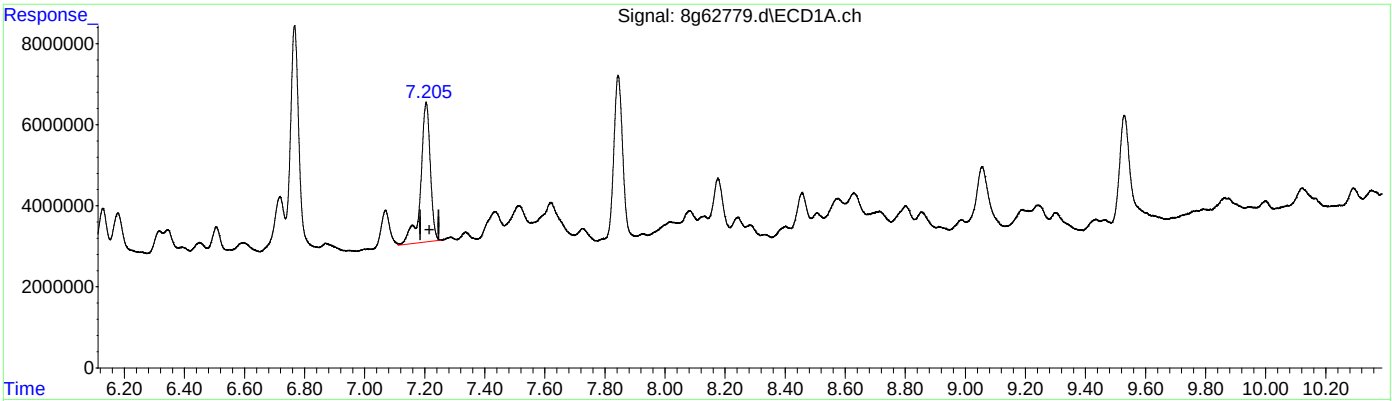
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 17:43:31 2024

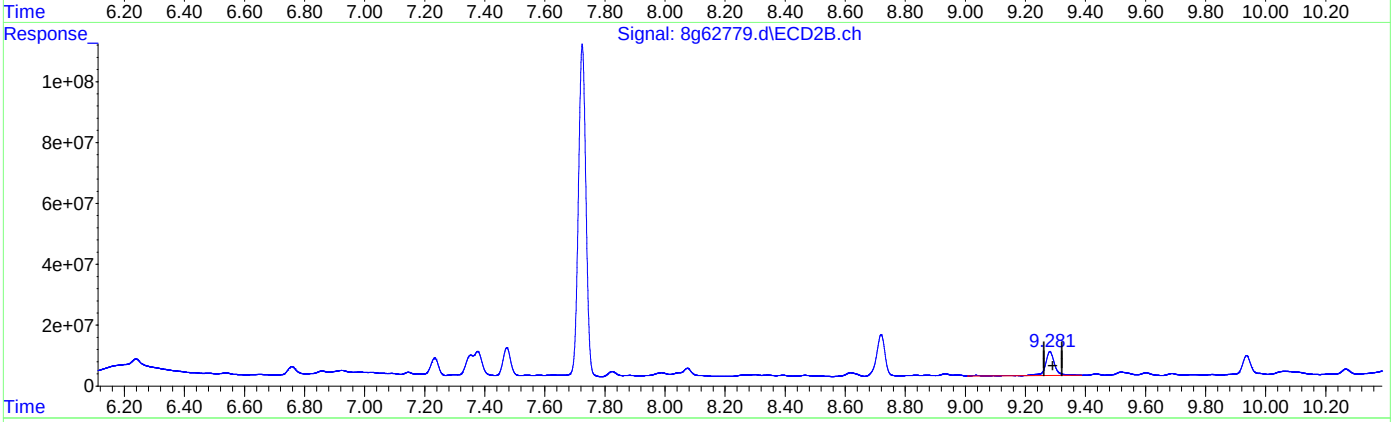
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62779.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 7:06 am
Operator : christp
Sample : je1300-32rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 17:39:47 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(20) 4,4'-DDT (MA)

7.205min 1.072 PPB

response 76595552

(20) 4,4'-DDT #2 (MA)

9.282min 1.640 PPB

response 175367002

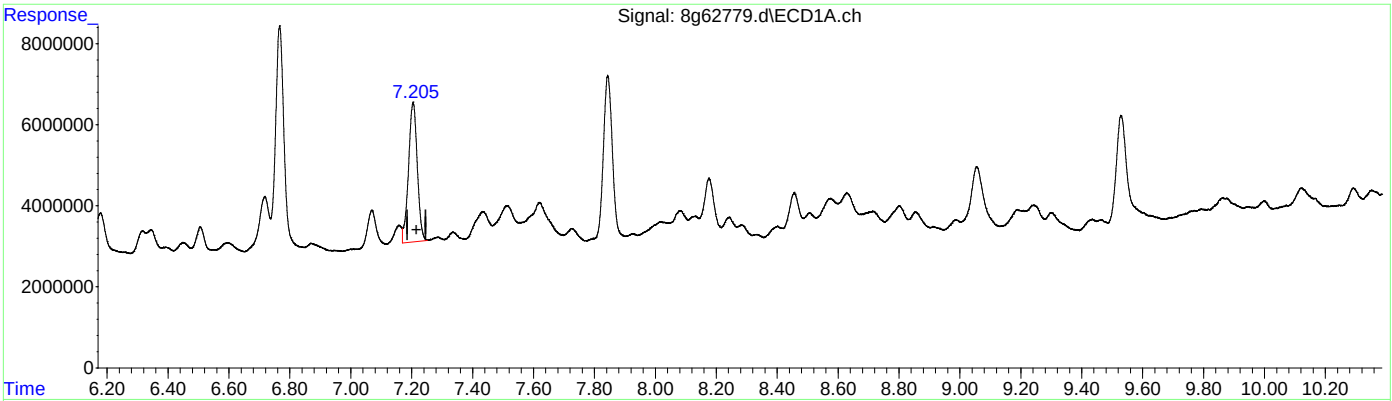
(+) = Expected Retention Time

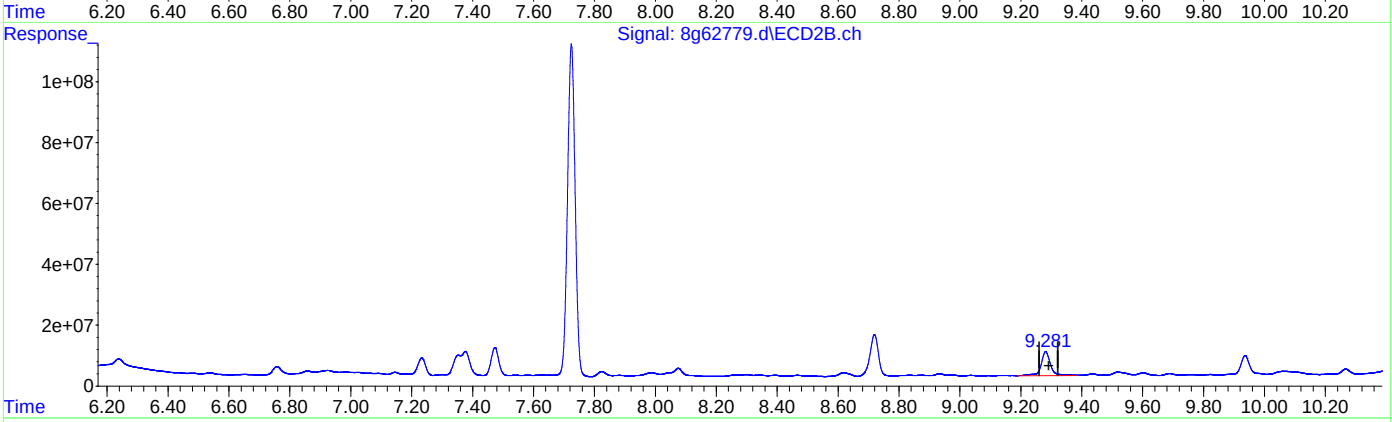
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62779.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 7:06 am
Operator : christp
Sample : je1300-32rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 17:39:47 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(20) 4,4'-DDT (MA)

7.205min 0.960 PPB m

response 68637021

(20) 4,4'-DDT #2 (MA)

9.281min 1.583 PPB m

response 169257697

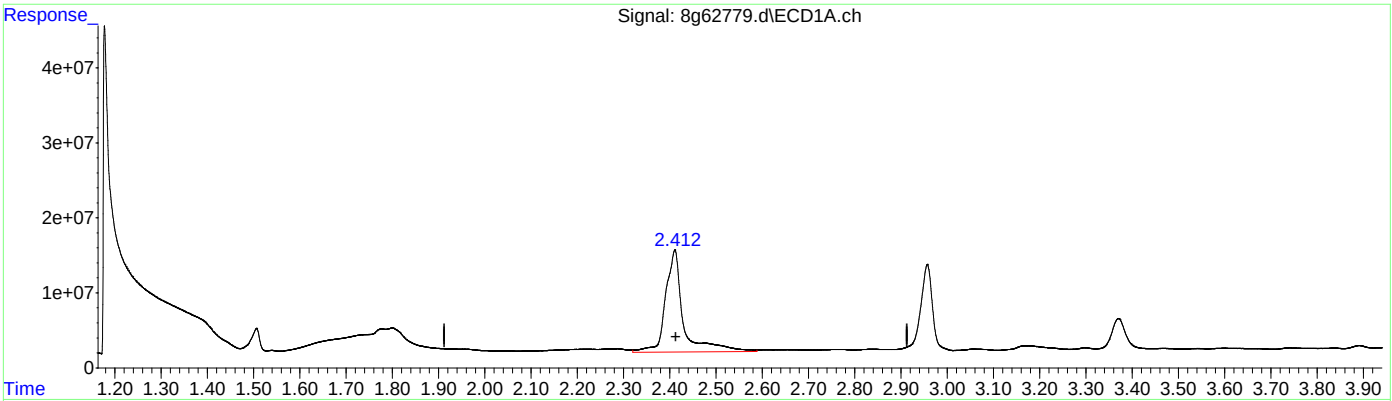
(+) = Expected Retention Time

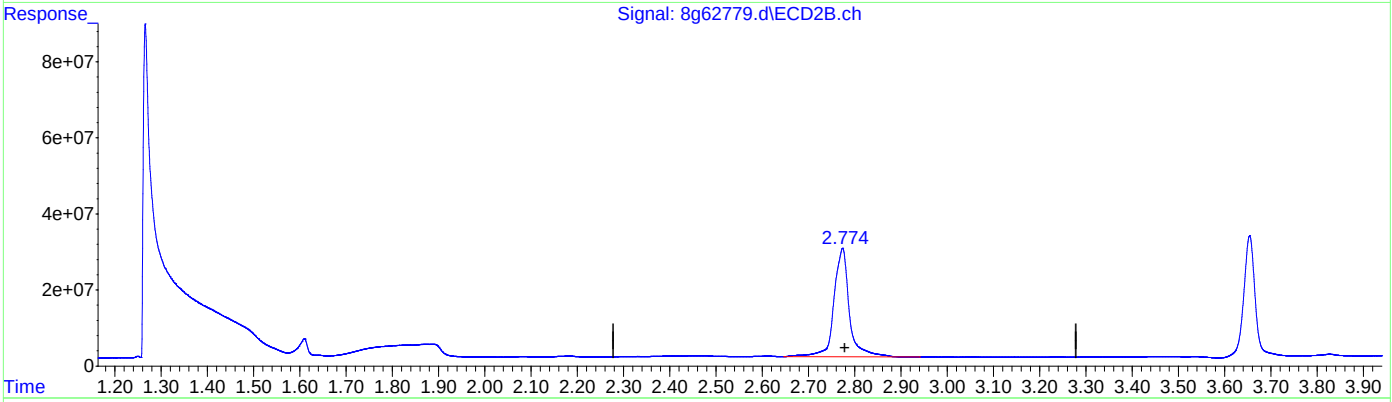
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62779.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 7:06 am
Operator : christp
Sample : je1300-32rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 17:44:12 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(1) 1-bromo-2-nitrobenzene (I)

2.410min 5.000 PPB

response 366912421

(1) 1-bromo-2-nitrobenzene #2 (I)

2.772min 5.000 PPB

response 663935144

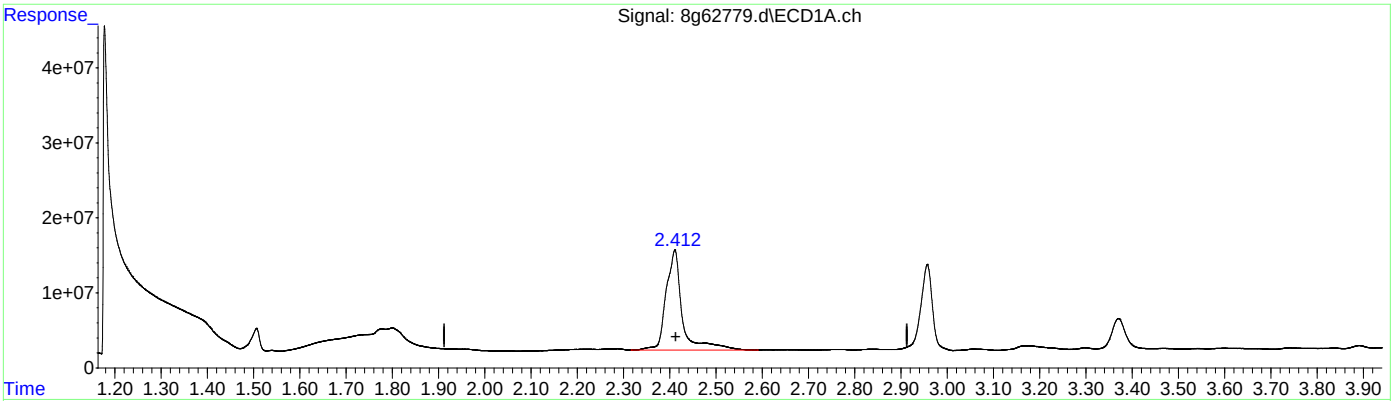
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 18:36:43 2024

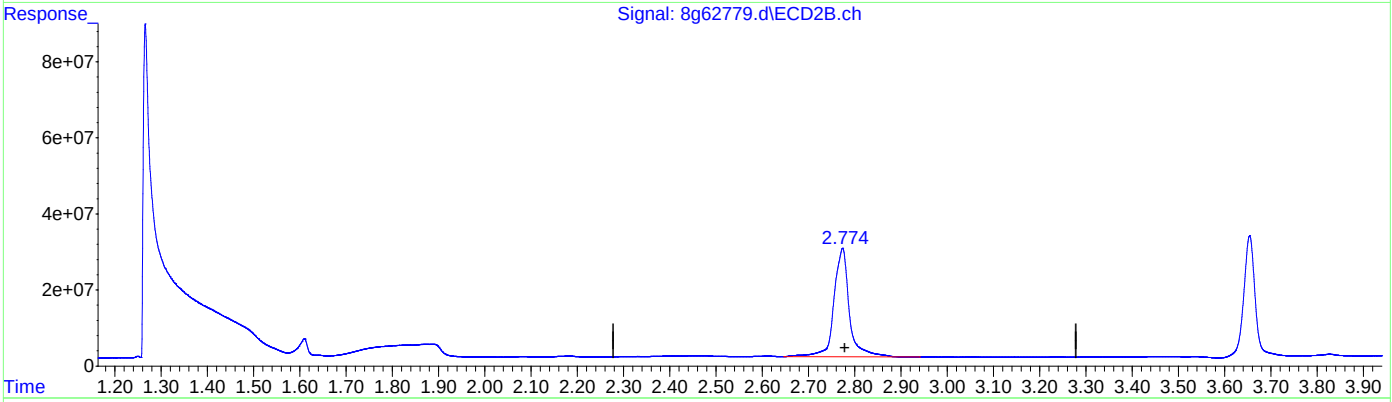
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62779.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 7:06 am
Operator : christp
Sample : je1300-32rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 17:44:12 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(1) 1-bromo-2-nitrobenzene (I)

2.412min 5.000 PPB m

response 327325042

(1) 1-bromo-2-nitrobenzene #2 (I)

2.772min 5.000 PPB

response 663935144

(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 18:36:56 2024

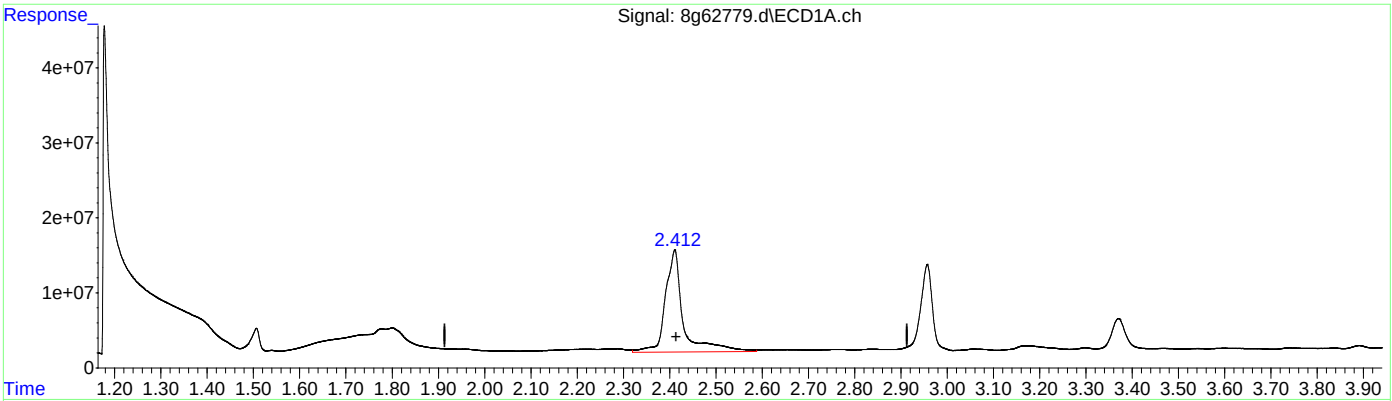
7.13.17
7

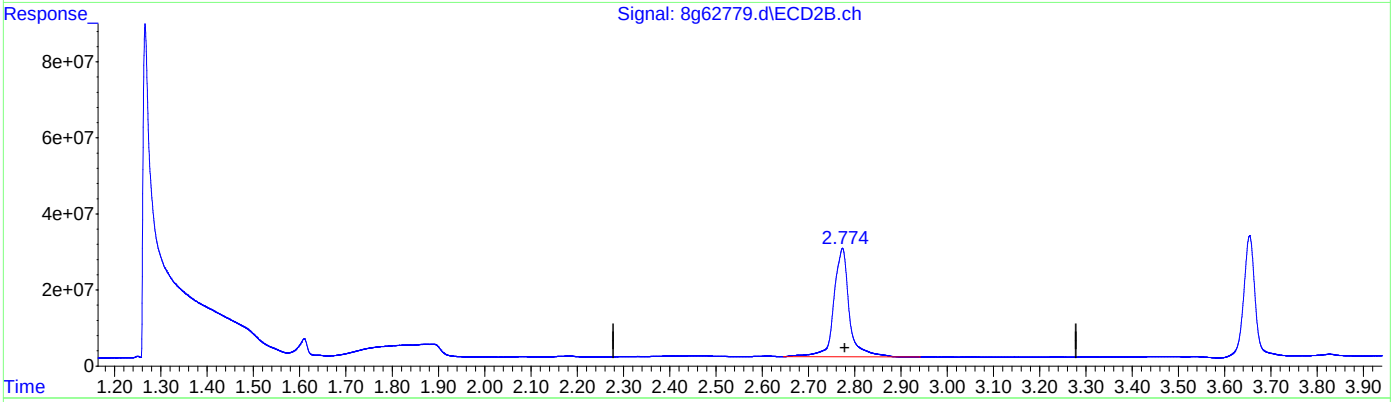
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62779.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 7:06 am
Operator : christp
Sample : je1300-32rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 17:44:12 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(27) 1-bromo-2-nitrobenzeneA (I)

2.410min 5.000 PPB

response 366912421

(27) 1-bromo-2-nitrobenzeneA #2 (I)

2.772min 5.000 PPB

response 663935144

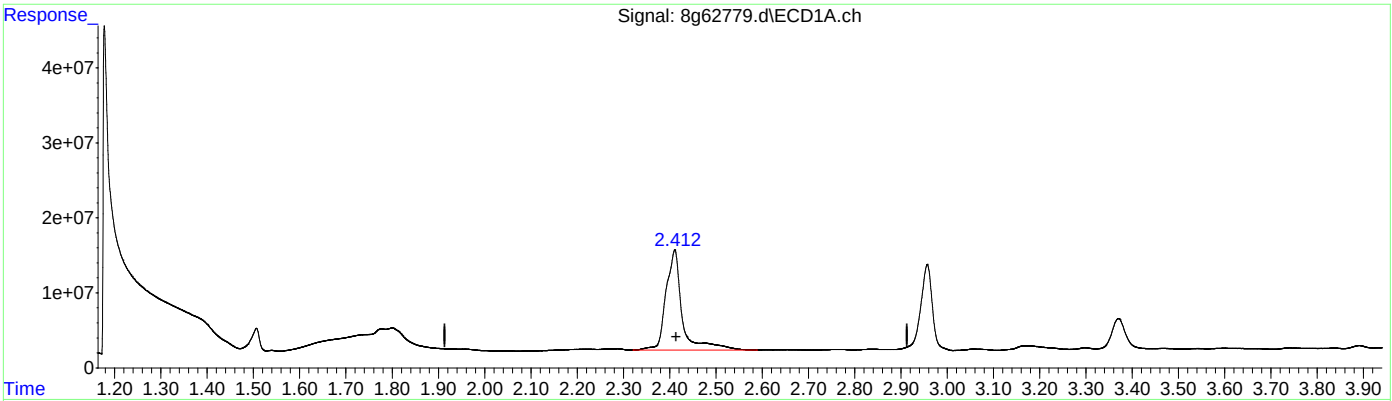
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 18:37:05 2024

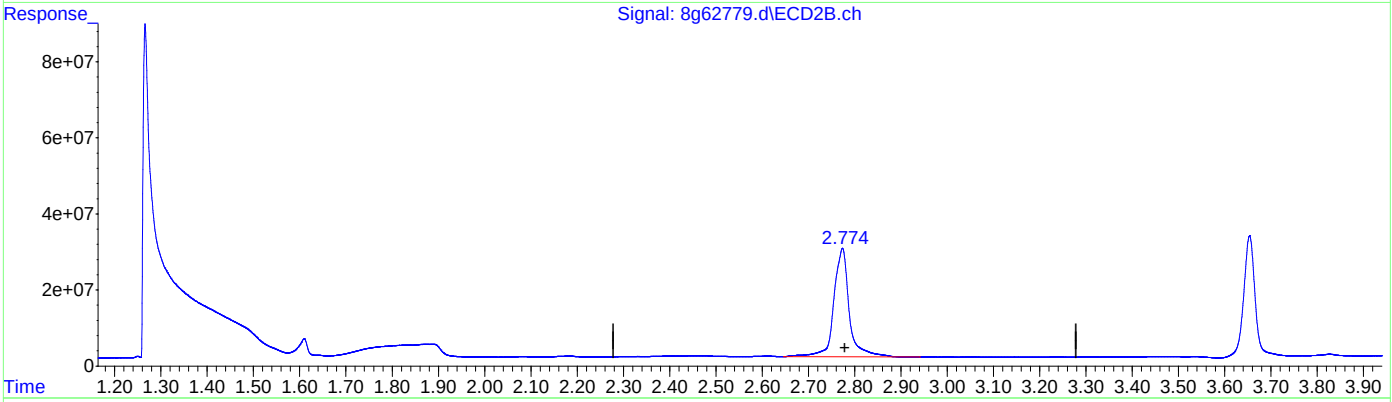
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62779.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 7:06 am
Operator : christp
Sample : je1300-32rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 17:44:12 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(27) 1-bromo-2-nitrobenzeneA (I)

2.412min 5.000 PPB m

response 328080434

(27) 1-bromo-2-nitrobenzeneA #2 (I)

2.772min 5.000 PPB

response 663935144

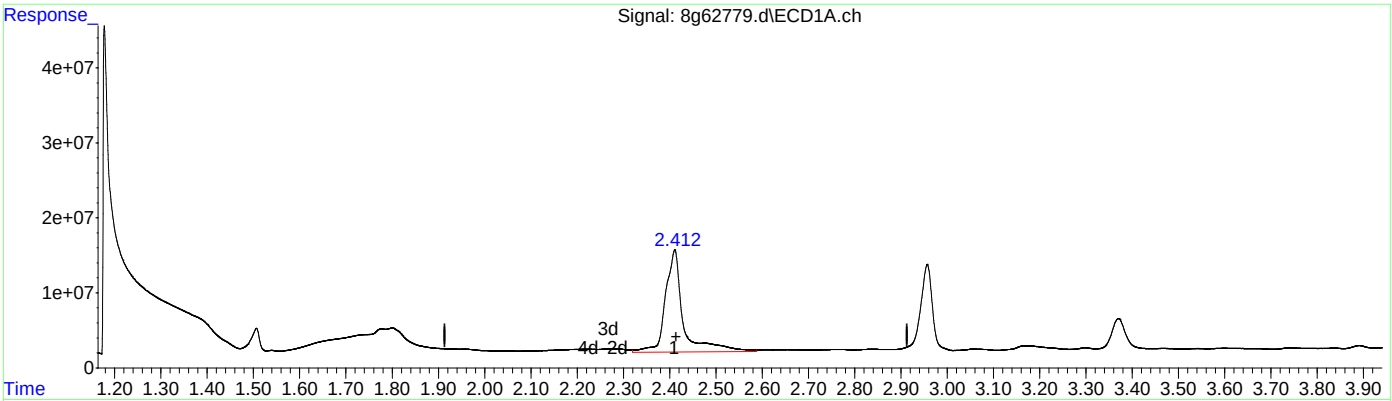
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 18:37:15 2024

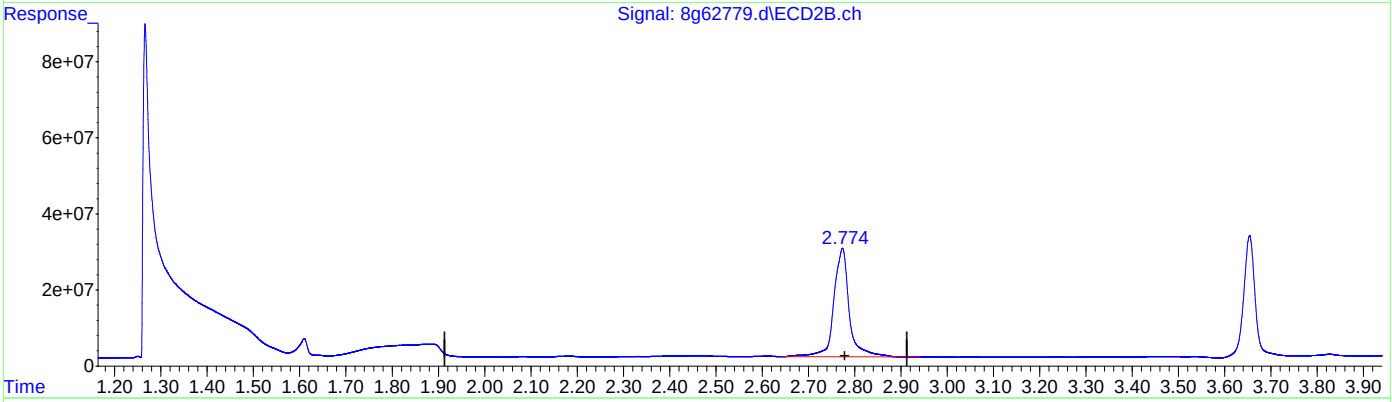
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62779.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 7:06 am
Operator : christp
Sample : je1300-32rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 17:44:12 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(33) 1-bromo-2-nitrobenzeneB (I)

2.410min 5.000 PPB

response 366912421

(33) 1-bromo-2-nitrobenzeneB #2 (I)

2.772min 5.000 PPB

response 663935144

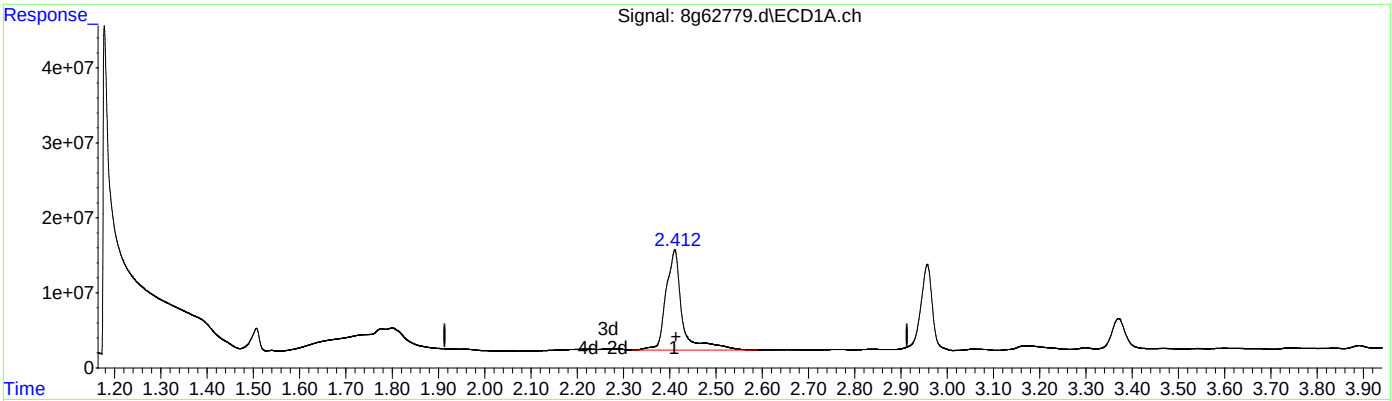
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 18:37:19 2024

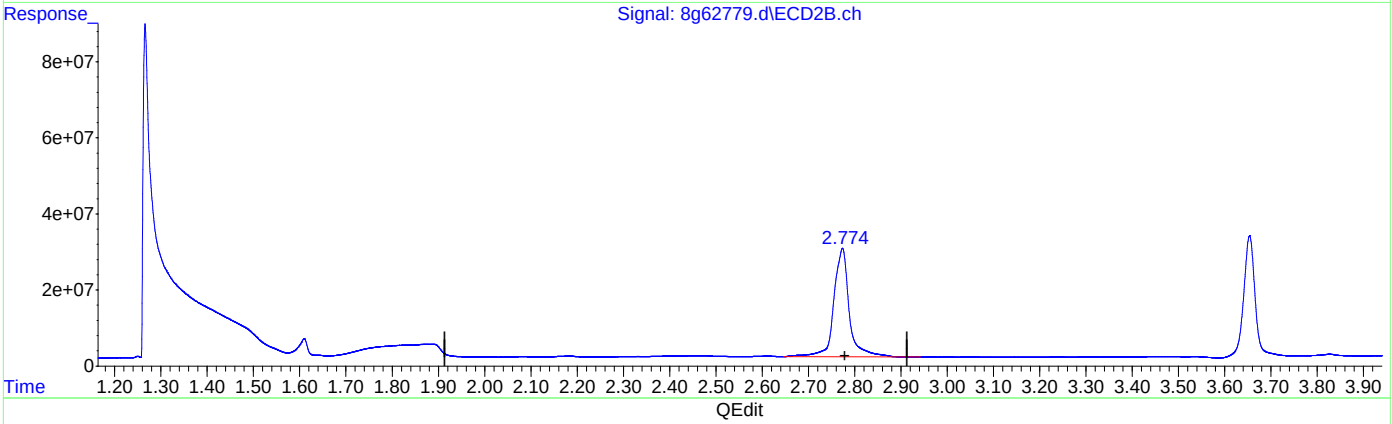
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62779.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 7:06 am
Operator : christp
Sample : je1300-32rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 17:44:12 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(33) 1-bromo-2-nitrobenzeneB (I)

2.412min 5.000 PPB m

response 327934669

(33) 1-bromo-2-nitrobenzeneB #2 (I)

2.772min 5.000 PPB

response 663935144

(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 18:37:31 2024

Manual Integrations APPROVED (compounds with "m" flag)
Syra Marie Pacheco
12/09/24 02:55

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62862.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 10:54 pm
Operator : christp
Sample : je1300-32r m
Misc : op59833,g8g2704,5.1,,,10,5
ALS Vial : 95 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 06:11:46 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1)	I 1-bromo-2...	2.421	2.783	302.5E6	756.7E6	5.000	5.000
27)	I 1-bromo-2...	2.421	2.783	302.5E6	756.7E6	5.000	5.000
33)	I 1-bromo-2...	2.421	2.783	302.5E6	756.7E6	5.000	5.000
	System Monitoring Compounds						
2)	SAB Tetrachlo...	2.970	3.665	48115678	145.2E6	0.824m	0.783m
	Spiked Amount 40.000	Range 30 - 150		Recovery =		2.06%#	1.96%#
26)	SA Decachlor...	10.619	12.995	14102026	35799632	0.251m	0.341m#
	Spiked Amount 40.000			Recovery =		0.63%	0.85%
	Target Compounds						
12)	B gamma-Chl...	5.604	7.236	11473807	26766303	0.157m	0.154m
13)	B alpha-Chl...	5.777	7.474	28629808	37153534	0.420m	0.215m#
15)	B 4,4'-DDE	5.888	7.726	177.7E6	405.9E6	2.548	2.423
18)	A 4,4'-DDD	6.768	8.719	25007953	55686639	0.428m	0.378m
20)	MA 4,4'-DDT	7.205	9.291	3024383	7361121	0.051m	0.060m
	SemiQuant Compounds - Not Calibrated on this Instrument						

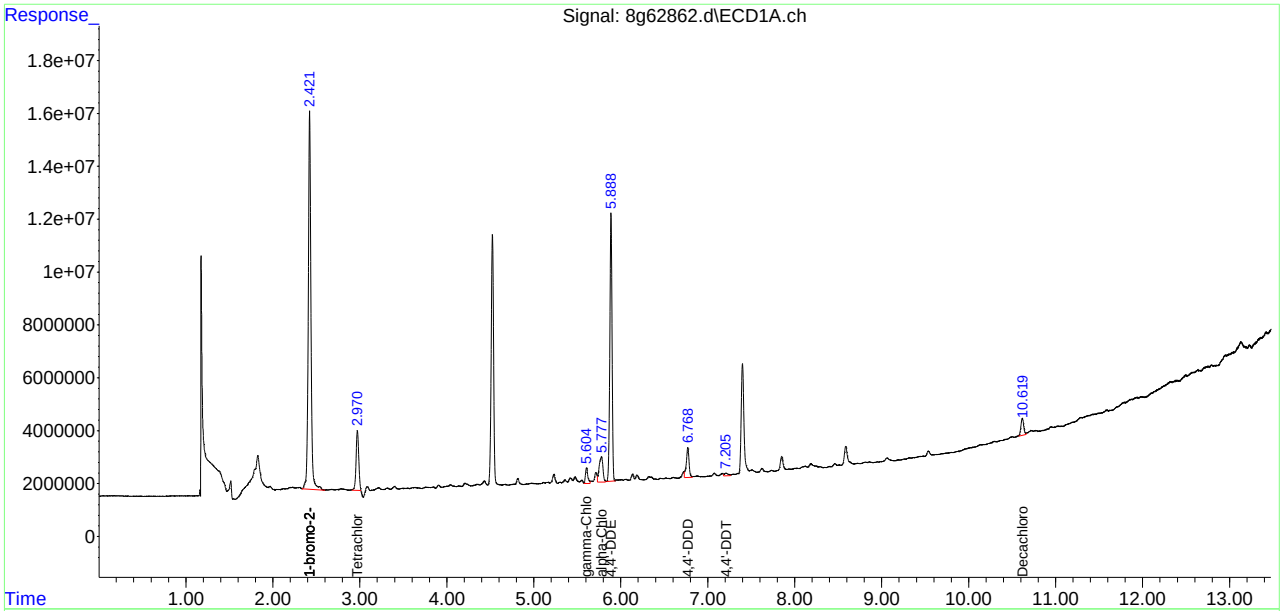
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

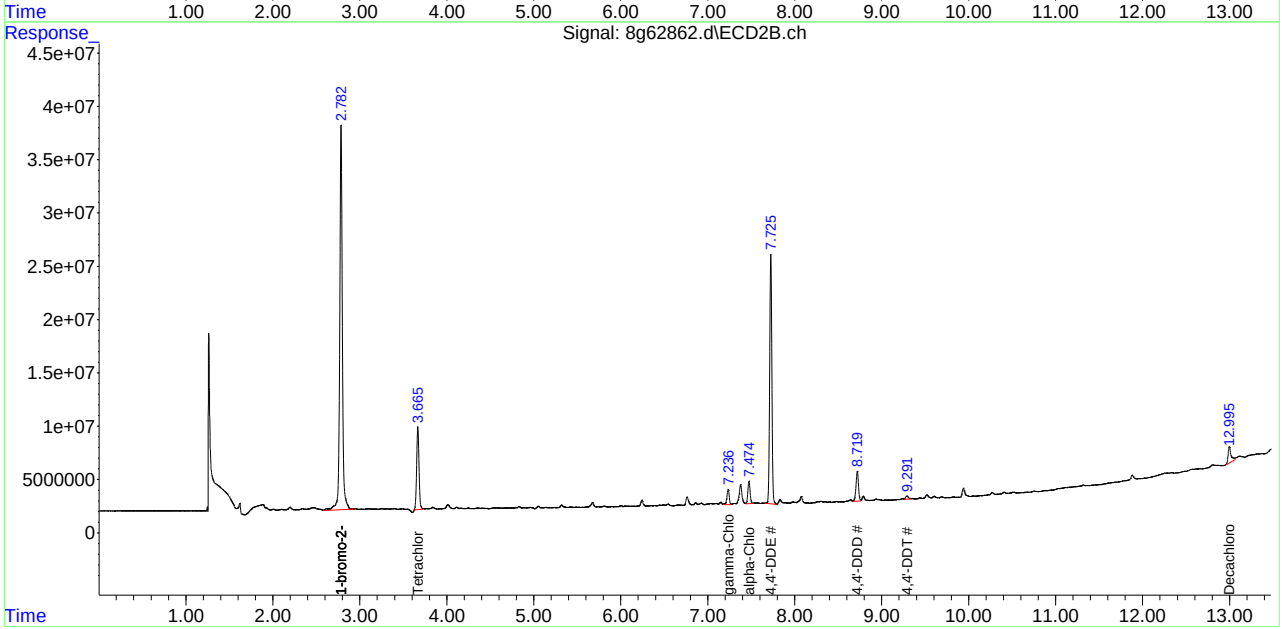
Quantitation Report (QT Reviewed)

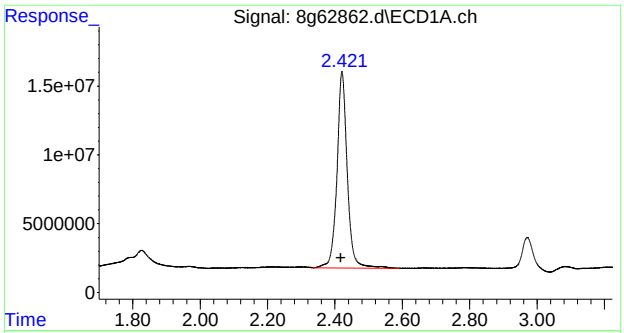
Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62862.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 10:54 pm
Operator : christp
Sample : je1300-32r m
Misc : op59833,g8g2704,5.1,,,10,5
ALS Vial : 95 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 06:11:46 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

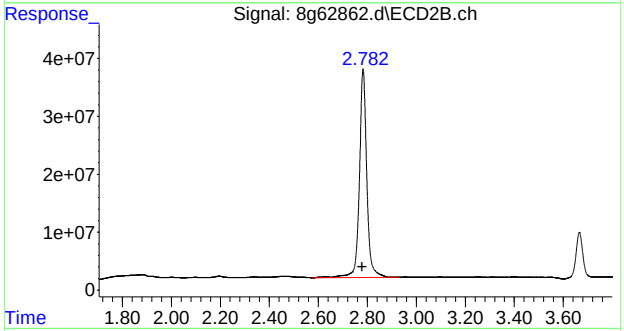






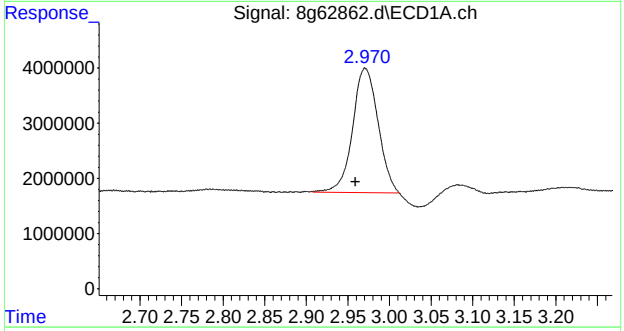
#1 1-bromo-2-nitrobenzene

R.T.: 2.421 min
Delta R.T.: 0.004 min
Response: 302547590
Conc: 5.00 PPB



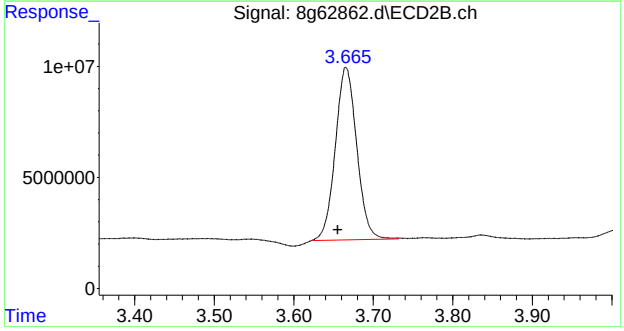
#1 1-bromo-2-nitrobenzene

R.T.: 2.783 min
Delta R.T.: 0.004 min
Response: 756693663
Conc: 5.00 PPB



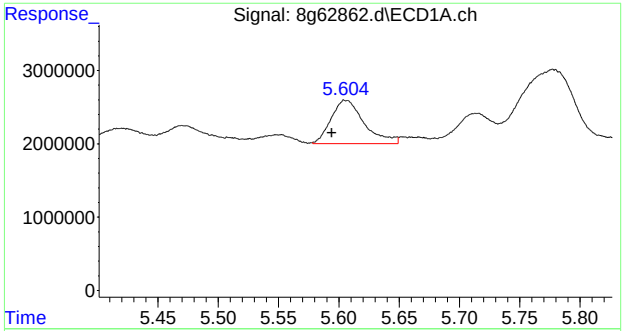
#2 Tetrachloro-m-xylene

R.T.: 2.970 min
Delta R.T.: 0.011 min
Response: 48115678
Conc: 0.82 PPB m



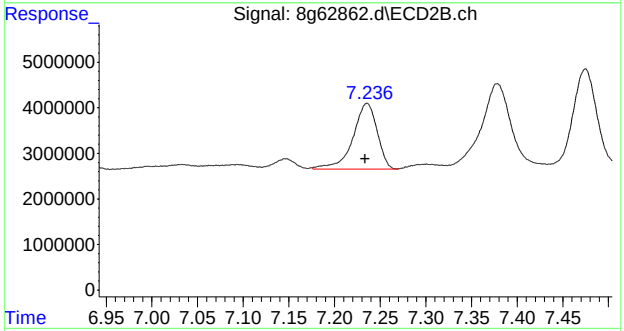
#2 Tetrachloro-m-xylene

R.T.: 3.665 min
Delta R.T.: 0.010 min
Response: 145213133
Conc: 0.78 PPB m



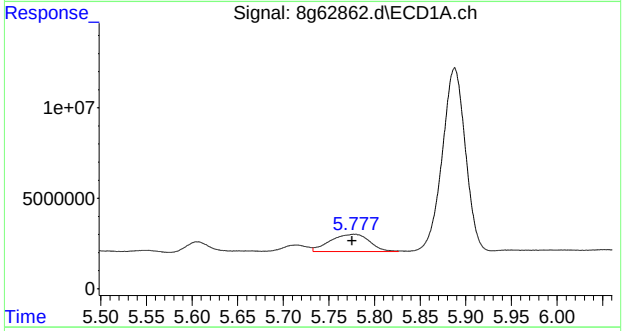
#12 gamma-Chlordane

R.T.: 5.604 min
Delta R.T.: 0.010 min
Response: 11473807
Conc: 0.16 PPB m



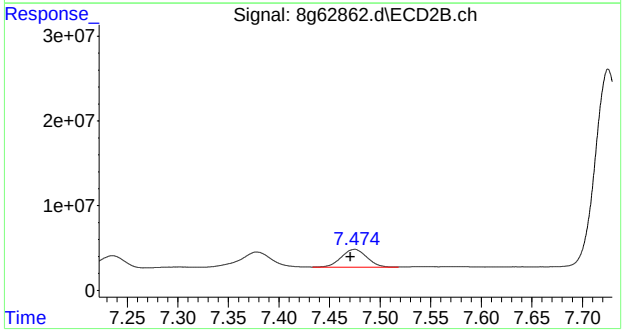
#12 gamma-Chlordane

R.T.: 7.236 min
Delta R.T.: 0.002 min
Response: 26766303
Conc: 0.15 PPB m



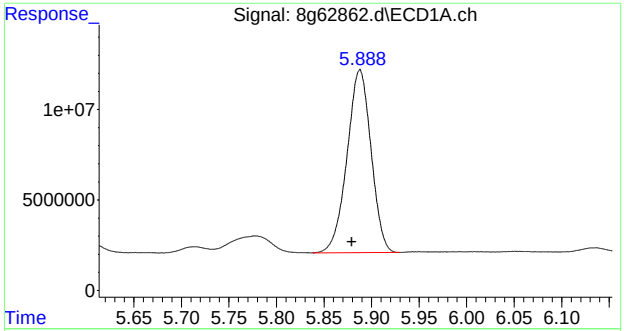
#13 alpha-Chlordane

R.T.: 5.777 min
Delta R.T.: 0.002 min
Response: 28629808
Conc: 0.42 PPB m



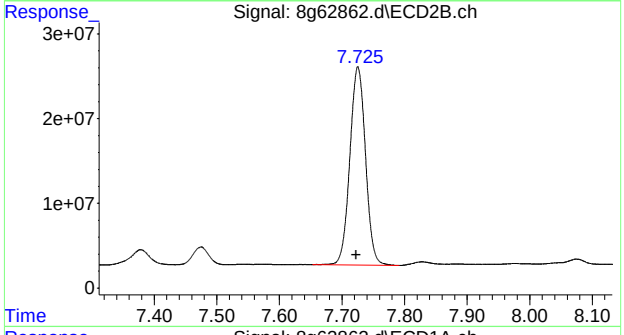
#13 alpha-Chlordane

R.T.: 7.474 min
Delta R.T.: 0.004 min
Response: 37153534
Conc: 0.21 PPB m



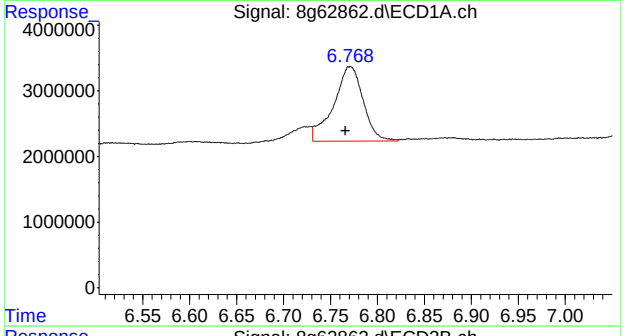
#15 4,4'-DDE

R.T.: 5.888 min
Delta R.T.: 0.008 min
Response: 177665259
Conc: 2.55 PPB



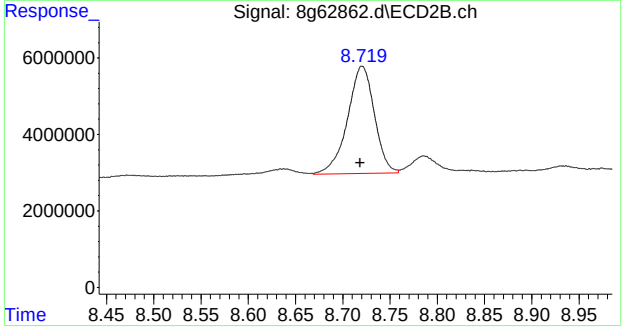
#15 4,4'-DDE

R.T.: 7.726 min
Delta R.T.: 0.003 min
Response: 405902928
Conc: 2.42 PPB



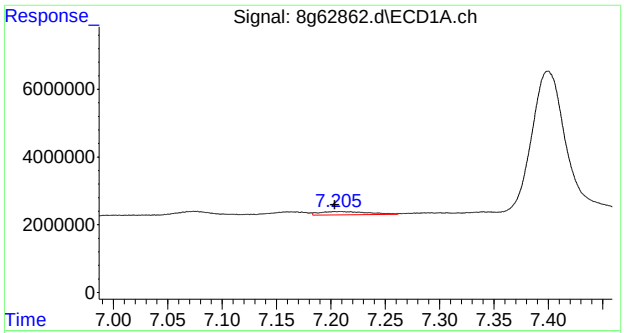
#18 4,4'-DDD

R.T.: 6.768 min
Delta R.T.: 0.002 min
Response: 25007953
Conc: 0.43 PPB m



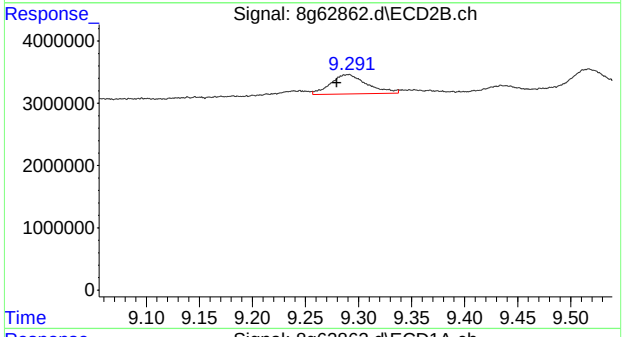
#18 4,4'-DDD

R.T.: 8.719 min
Delta R.T.: 0.001 min
Response: 55686639
Conc: 0.38 PPB m



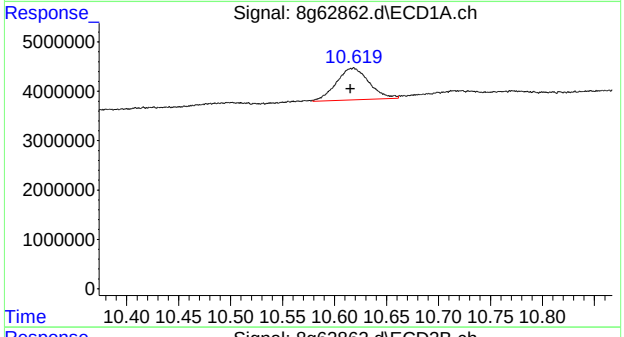
#20 4,4'-DDT

R.T.: 7.205 min
Delta R.T.: 0.000 min
Response: 3024383
Conc: 0.05 PPB m



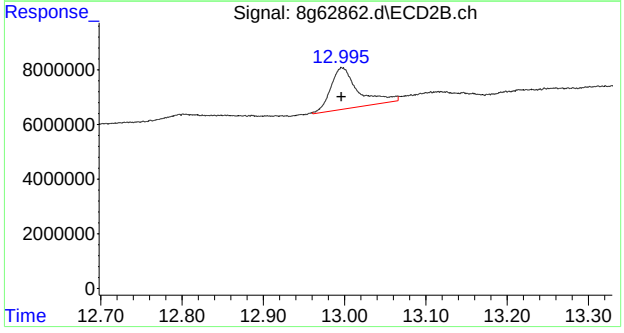
#20 4,4'-DDT

R.T.: 9.291 min
Delta R.T.: 0.012 min
Response: 7361121
Conc: 0.06 PPB m



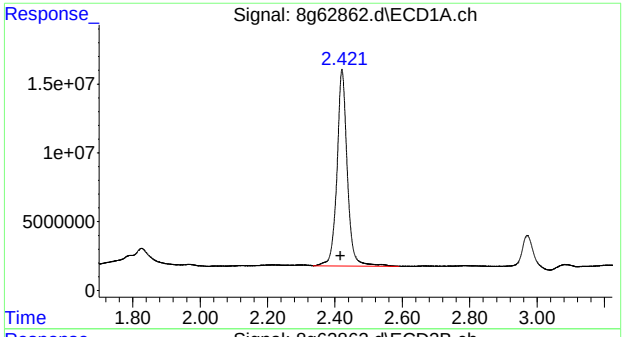
#26 Decachlorobiphenyl

R.T.: 10.619 min
Delta R.T.: 0.003 min
Response: 14102026
Conc: 0.25 PPB m



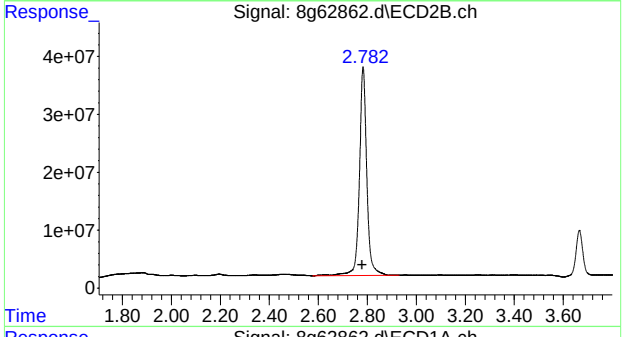
#26 Decachlorobiphenyl

R.T.: 12.995 min
Delta R.T.: 0.000 min
Response: 35799632
Conc: 0.34 PPB m



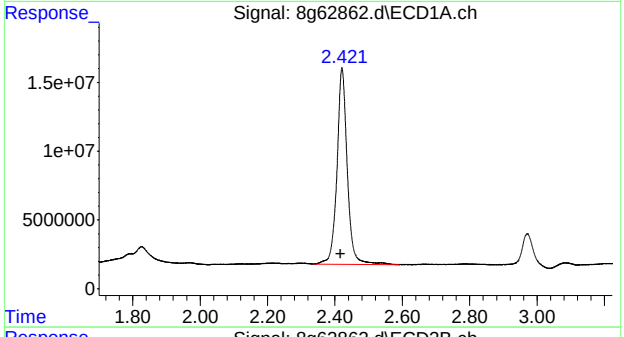
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.421 min
Delta R.T.: 0.005 min
Response: 302547590
Conc: 5.00 PPB



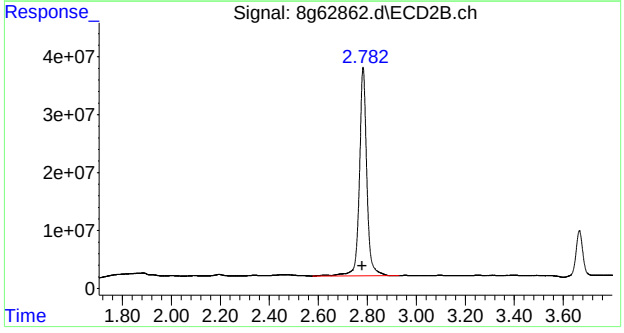
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.783 min
Delta R.T.: 0.004 min
Response: 756693663
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.421 min
Delta R.T.: 0.005 min
Response: 302547590
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.783 min
Delta R.T.: 0.004 min
Response: 756693663
Conc: 5.00 PPB

Manual Integration Approval Summary

Sample Number: JE1300-32R
Lab FileID: 8G62862.D
Injection Time: 12/04/24 22:54
Method: SW846 8081B
Analyst approved: 12/05/24 01:19 Christopher Changho
Supervisor approved: 12/09/24 02:55 Syra Marie Pacheco

Parameter	CAS	Sig#	R.T. (min.)	Reason
Tetrachloro-m-xylene	877-09-8	1	2.97	Poorly defined baseline
Tetrachloro-m-xylene	877-09-8	2	3.67	Poorly defined baseline
gamma-Chlordane	5103-74-2	1	5.60	Poorly defined baseline
alpha-Chlordane	5103-71-9	1	5.78	Poorly defined baseline
4,4'-DDD	72-54-8	1	6.77	Poorly defined baseline
4,4'-DDT	50-29-3	1	7.20	Poorly defined baseline
gamma-Chlordane	5103-74-2	2	7.24	Poorly defined baseline
alpha-Chlordane	5103-71-9	2	7.47	Poorly defined baseline
4,4'-DDD	72-54-8	2	8.72	Poorly defined baseline
4,4'-DDT	50-29-3	2	9.29	Poorly defined baseline
Decachlorobiphenyl	2051-24-3	1	10.62	Poorly defined baseline
Decachlorobiphenyl	2051-24-3	2	13.00	Poorly defined baseline

Manual Integrations APPROVED (compounds with "m" flag)
Syra Marie Pacheco
12/09/24 02:55

Quantitation Report (QT Reviewed)

Data Path : V:\completed\2024\12. December\12-03-2024\g8g2700_2\
Data File : 8g62780.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 7:30 am
Operator : christp
Sample : je1300-44r m (Sig #1); je1300-44rr m (Sig #2)
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 07:03:04 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1)	I 1-bromo-2...	2.393	2.760	308.4E6	489.6E6	5.000m	5.000m
27)	I 1-bromo-2...	2.393	2.760	317.0E6	507.1E6	5.000m	5.000m
33)	I 1-bromo-2...	2.393	2.760	316.7E6	495.1E6	5.000m	5.000m
	System Monitoring Compounds						
2)	SAB Tetrachlo...	2.965	3.659	208.4E6	494.5E6	3.502m	4.122m
	Spiked Amount 40.000	Range 30 - 150		Recovery =		8.75%#	10.31%#
26)	SA Decachlor...	10.616	12.997	160.3E6	275.2E6	2.800	4.055m#
	Spiked Amount 40.000			Recovery =		7.00%	10.14%
	Target Compounds						
11)	B Heptachlo...	5.425	6.928	28207737	25806339	0.403m	0.227m#
12)	B gamma-Chl...	5.603	7.236	81599099	150.4E6	1.094m	1.336m
13)	B alpha-Chl...	5.774	7.475	202.6E6	232.1E6	2.918	2.075m#
15)	B 4,4'-DDE	5.883	7.726	55368612	133.7E6	0.779	1.233m#
16)	MA Dieldrin	6.320	8.044	19994856	59917565	0.283m	0.517m#
17)	MA Endrin	6.713f	8.618f	51288367	24290557	0.921m	0.291m#
18)	A 4,4'-DDD	6.765	8.715f	19315179	89435641	0.325m	0.938 #
19)	B Endosulfa...	7.008	8.934f	6624225	28304011	0.107m	0.292m#
20)	MA 4,4'-DDT	7.209	9.282	50853165	93387334	0.846m	1.184m#
23)	A Methoxychlor	7.989f	10.507	4112796	78322382	0.118m	1.999m#

SemiQuant Compounds - Not Calibrated on this Instrument

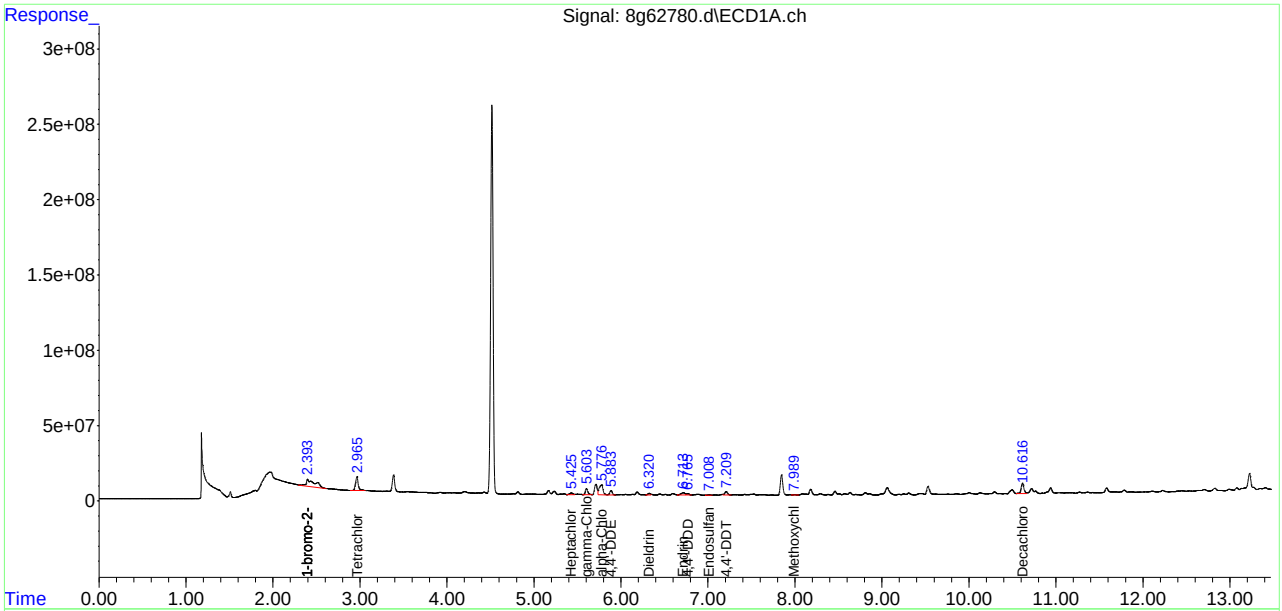
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

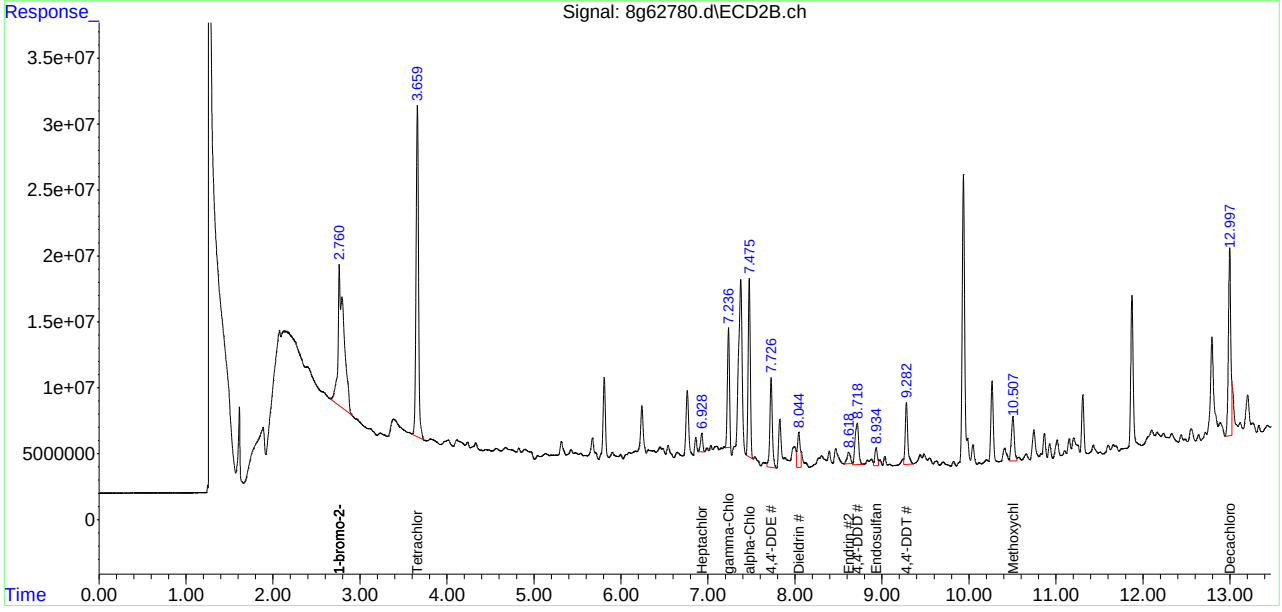
Quantitation Report (QT Reviewed)

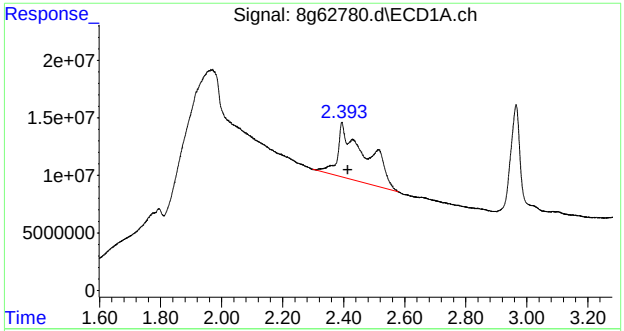
Data Path : V:\completed\2024\12. December\12-03-2024\g8g2700_2\
Data File : 8g62780.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 7:30 am
Operator : christp
Sample : je1300-44r m (Sig #1); je1300-44rr m (Sig #2)
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 07:03:04 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

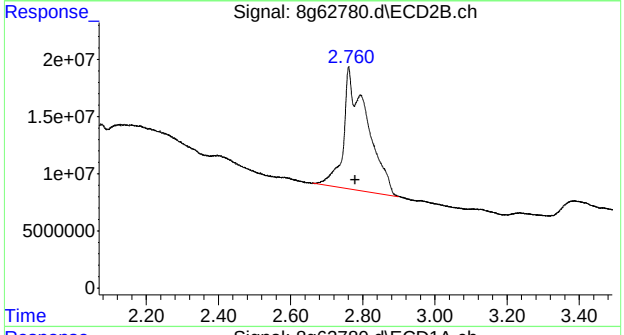






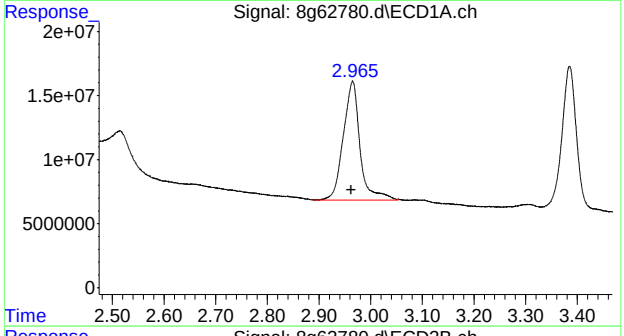
#1 1-bromo-2-nitrobenzene

R.T.: 2.393 min
Delta R.T.: -0.020 min
Response: 308367844
Conc: 5.00 PPB m



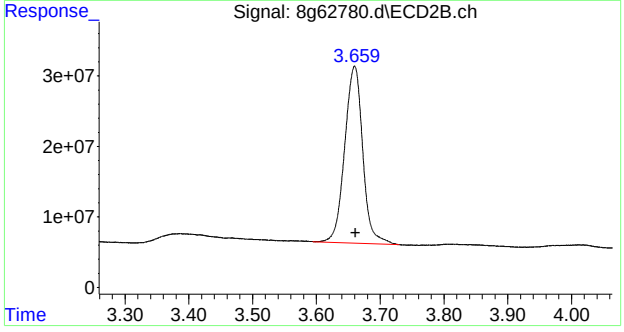
#1 1-bromo-2-nitrobenzene

R.T.: 2.760 min
Delta R.T.: -0.018 min
Response: 489641870
Conc: 5.00 PPB m



#2 Tetrachloro-m-xylene

R.T.: 2.965 min
Delta R.T.: 0.003 min
Response: 208377006
Conc: 3.50 PPB m

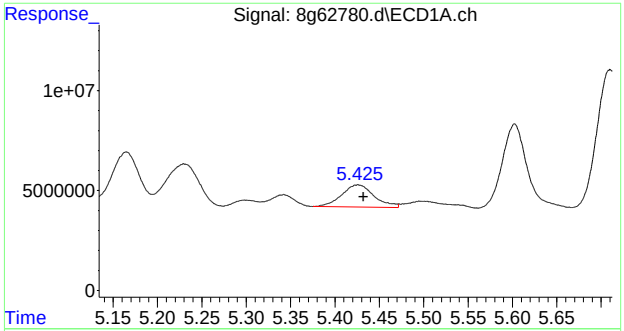


#2 Tetrachloro-m-xylene

R.T.: 3.659 min
Delta R.T.: -0.003 min
Response: 494460517
Conc: 4.12 PPB m

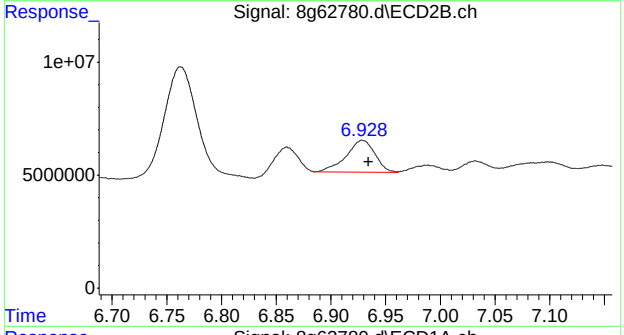
7.1.5

7



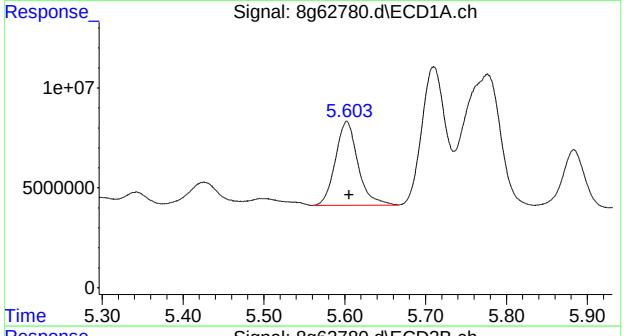
#11 Heptachlor Epoxide

R.T.: 5.425 min
Delta R.T.: -0.007 min
Response: 28207737
Conc: 0.40 PPB m



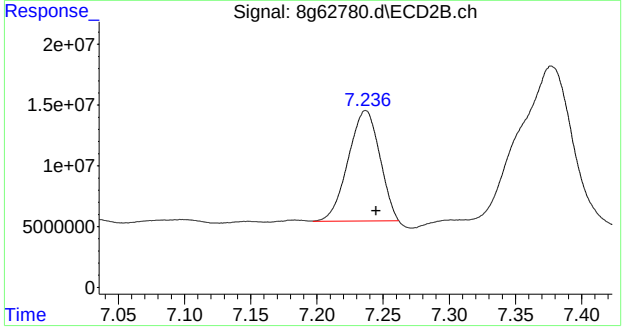
#11 Heptachlor Epoxide

R.T.: 6.928 min
Delta R.T.: -0.006 min
Response: 25806339
Conc: 0.23 PPB m



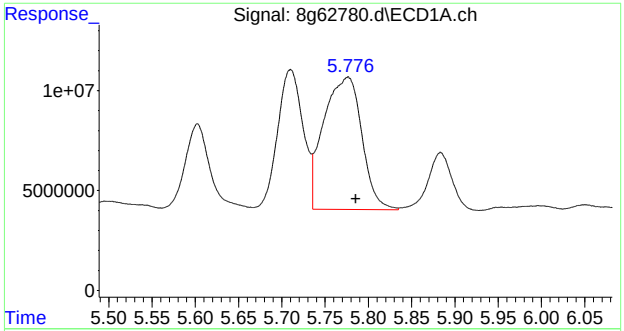
#12 gamma-Chlordane

R.T.: 5.603 min
Delta R.T.: -0.003 min
Response: 81599099
Conc: 1.09 PPB m



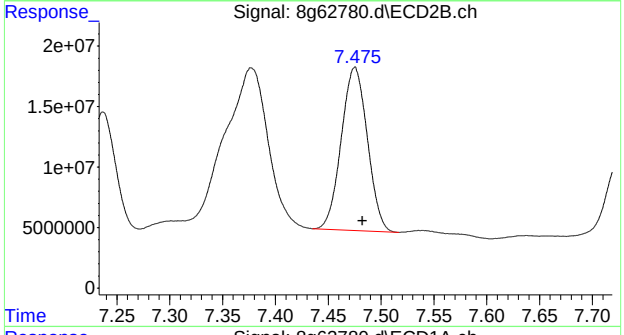
#12 gamma-Chlordane

R.T.: 7.236 min
Delta R.T.: -0.008 min
Response: 150393563
Conc: 1.34 PPB m



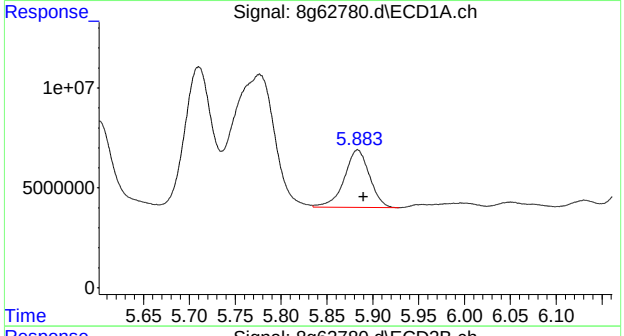
#13 alpha-Chlordane

R.T.: 5.774 min
Delta R.T.: -0.011 min
Response: 202616118
Conc: 2.92 PPB



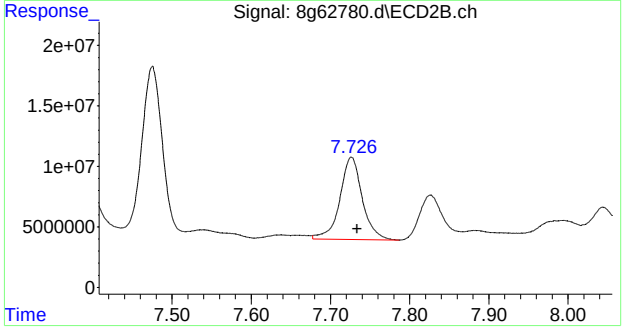
#13 alpha-Chlordane

R.T.: 7.475 min
Delta R.T.: -0.007 min
Response: 232114094
Conc: 2.08 PPB m



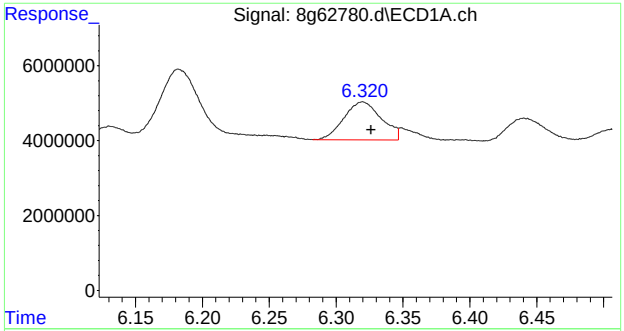
#15 4,4'-DDE

R.T.: 5.883 min
Delta R.T.: -0.006 min
Response: 55368612
Conc: 0.78 PPB



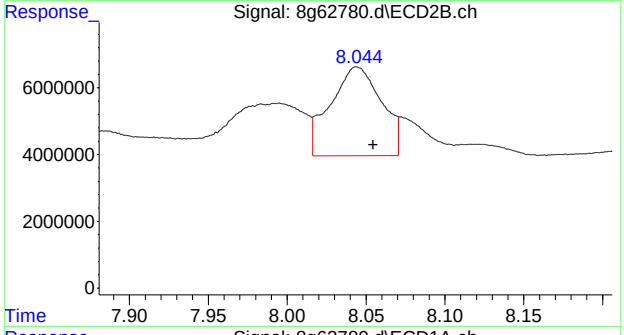
#15 4,4'-DDE

R.T.: 7.726 min
Delta R.T.: -0.007 min
Response: 133668519
Conc: 1.23 PPB m



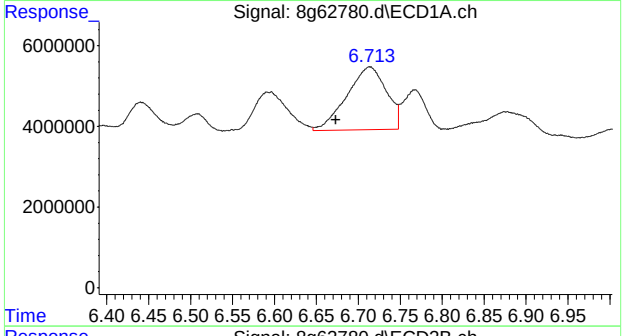
#16 Dieldrin

R.T.: 6.320 min
Delta R.T.: -0.007 min
Response: 19994856
Conc: 0.28 PPB m



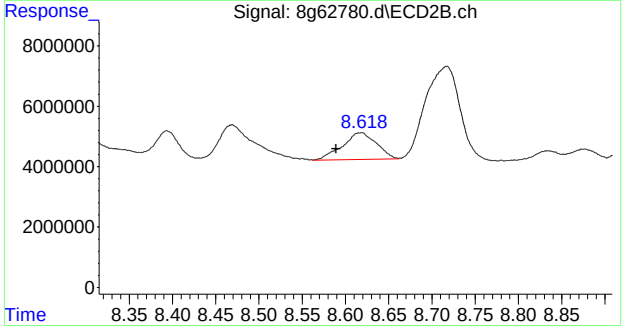
#16 Dieldrin

R.T.: 8.044 min
Delta R.T.: -0.010 min
Response: 59917565
Conc: 0.52 PPB m



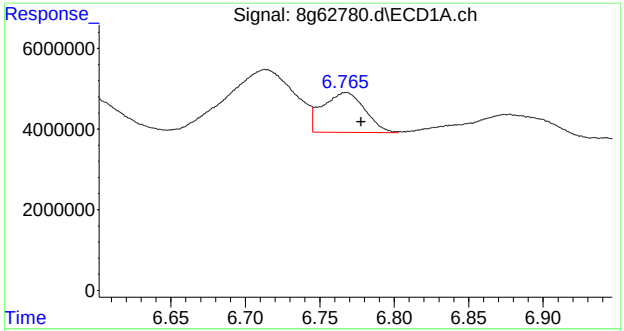
#17 Endrin

R.T.: 6.713 min
Delta R.T.: 0.040 min
Response: 51288367
Conc: 0.92 PPB m



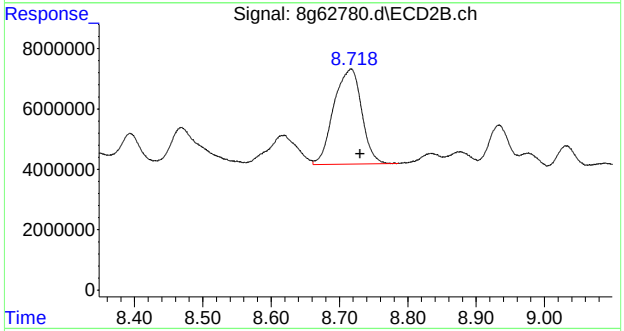
#17 Endrin

R.T.: 8.618 min
Delta R.T.: 0.029 min
Response: 24290557
Conc: 0.29 PPB m



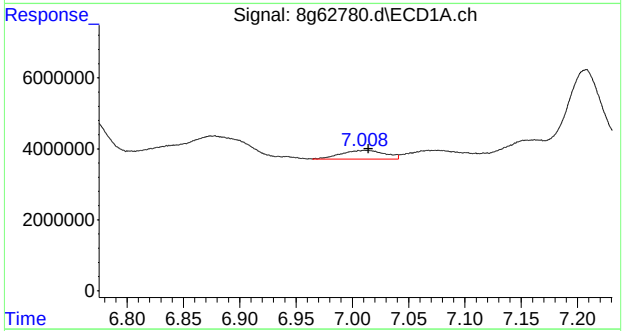
#18 4,4'-DDD

R.T.: 6.765 min
Delta R.T.: -0.012 min
Response: 19315179
Conc: 0.32 PPB m



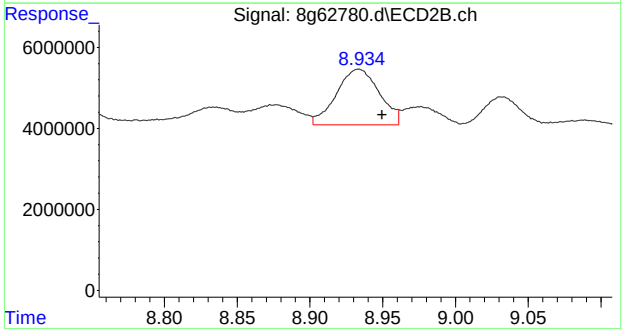
#18 4,4'-DDD

R.T.: 8.715 min
Delta R.T.: -0.015 min
Response: 89435641
Conc: 0.94 PPB



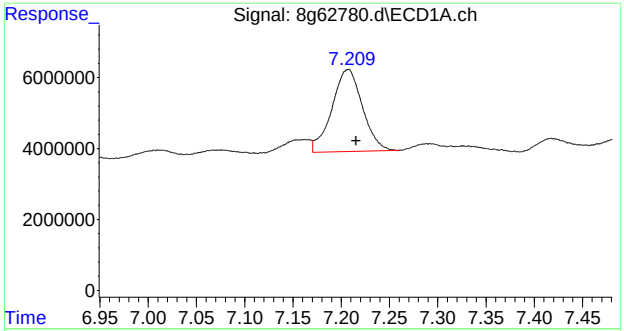
#19 Endosulfan II

R.T.: 7.008 min
Delta R.T.: -0.006 min
Response: 6624225
Conc: 0.11 PPB m



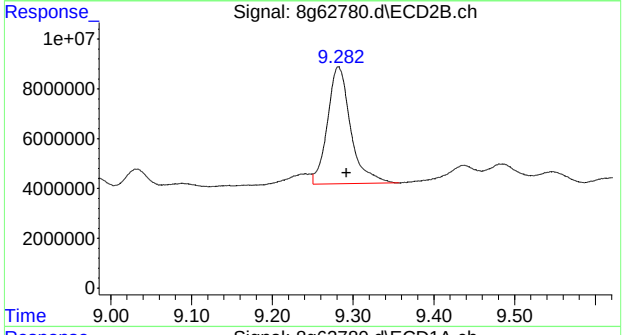
#19 Endosulfan II

R.T.: 8.934 min
Delta R.T.: -0.016 min
Response: 28304011
Conc: 0.29 PPB m



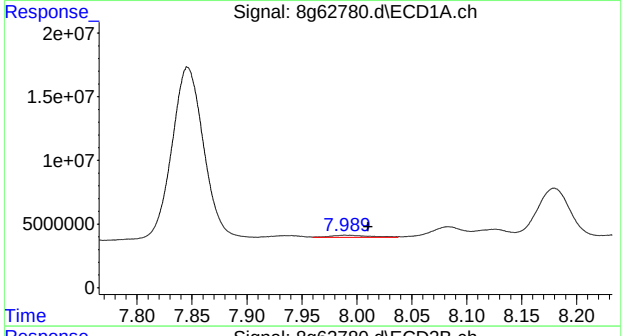
#20 4,4'-DDT

R.T.: 7.209 min
Delta R.T.: -0.007 min
Response: 50853165
Conc: 0.85 PPB m



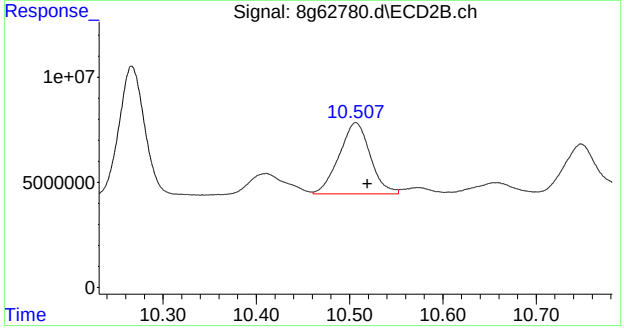
#20 4,4'-DDT

R.T.: 9.282 min
Delta R.T.: -0.010 min
Response: 93387334
Conc: 1.18 PPB m



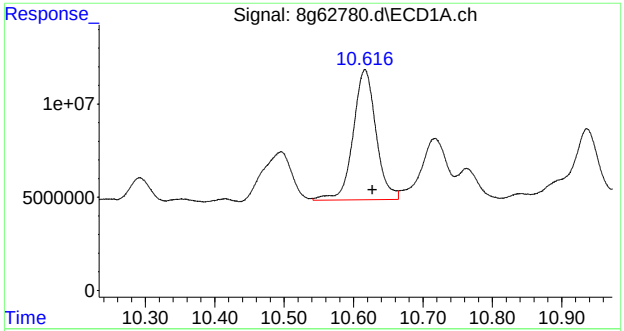
#23 Methoxychlor

R.T.: 7.989 min
Delta R.T.: -0.022 min
Response: 4112796
Conc: 0.12 PPB m



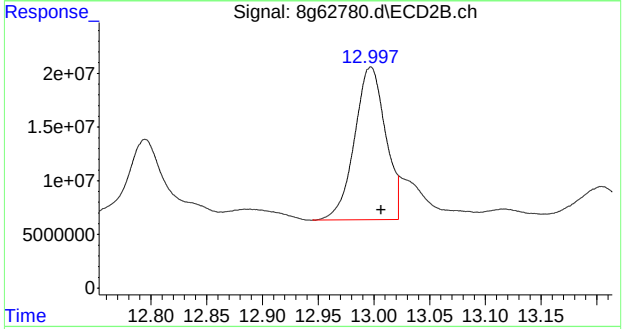
#23 Methoxychlor

R.T.: 10.507 min
Delta R.T.: -0.012 min
Response: 78322382
Conc: 2.00 PPB m



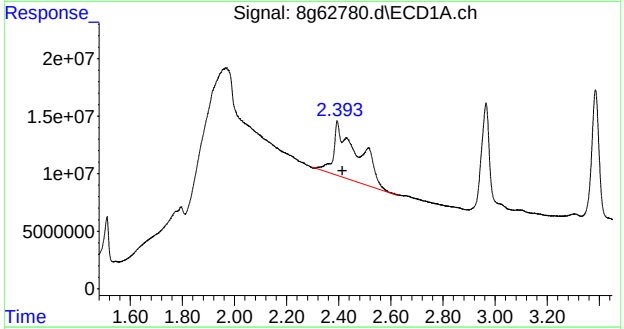
#26 Decachlorobiphenyl

R.T.: 10.616 min
Delta R.T.: -0.011 min
Response: 160263227
Conc: 2.80 PPB



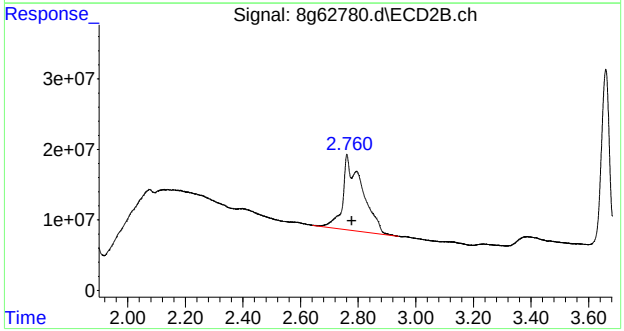
#26 Decachlorobiphenyl

R.T.: 12.997 min
Delta R.T.: -0.010 min
Response: 275179689
Conc: 4.06 PPB m



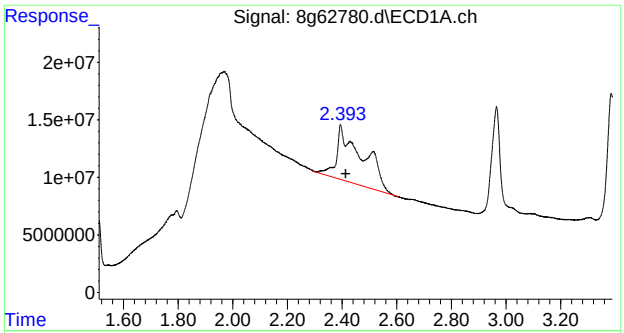
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.393 min
Delta R.T.: -0.020 min
Response: 316993827
Conc: 5.00 PPB m



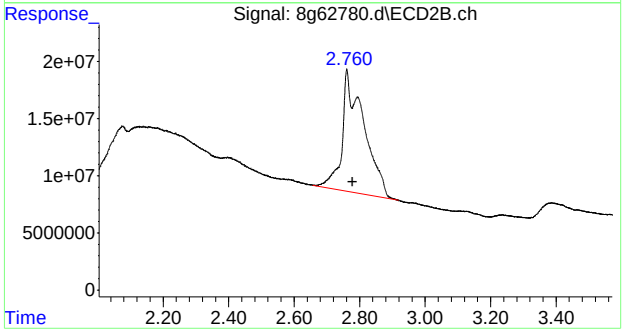
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.760 min
Delta R.T.: -0.018 min
Response: 507129004
Conc: 5.00 PPB m



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.393 min
Delta R.T.: -0.020 min
Response: 316722358
Conc: 5.00 PPB m



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.760 min
Delta R.T.: -0.018 min
Response: 495143077
Conc: 5.00 PPB m

Manual Integration Approval Summary

Sample Number: JE1300-44R
Lab FileID: 8G62780.D
Injection Time: 12/03/24 07:30
Method: SW846 8081B
Analyst approved: 12/04/24 02:08 Syra Marie Pacheco
Supervisor approved: 12/09/24 02:55 Syra Marie Pacheco

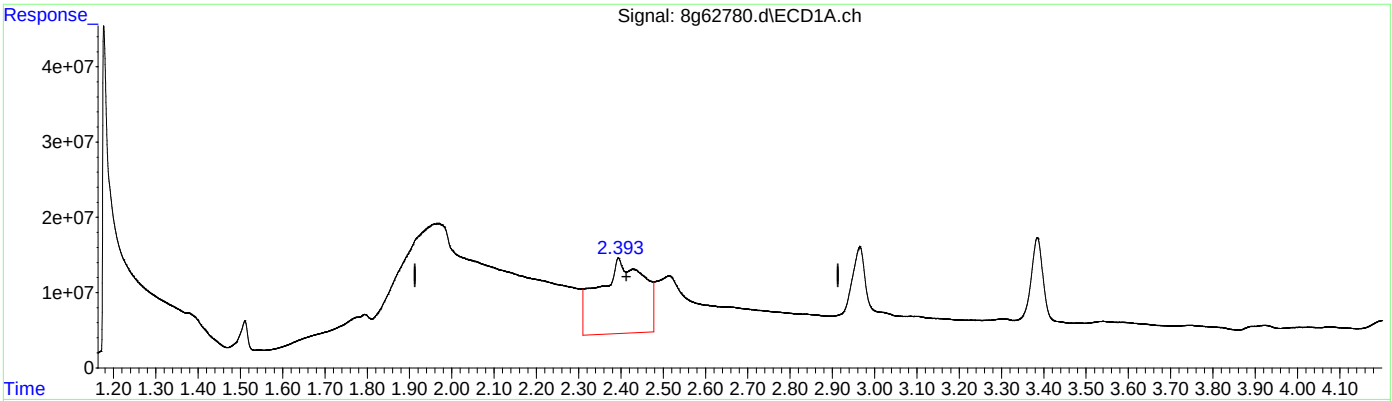
Parameter	CAS	Sig#	R.T. (min.)	Reason
1-Bromo-2-nitrobenzene	577-19-5	1	2.39	Poorly defined baseline
1-Bromo-2-nitrobenzene	577-19-5	2	2.76	Poorly defined baseline
Tetrachloro-m-xylene	877-09-8	1	2.96	Poorly defined baseline
Tetrachloro-m-xylene	877-09-8	2	3.66	Poorly defined baseline
Heptachlor epoxide	1024-57-3	1	5.43	Poorly defined baseline
gamma-Chlordane	5103-74-2	1	5.60	Poorly defined baseline
Dieldrin	60-57-1	1	6.32	Poorly defined baseline
Endrin	72-20-8	1	6.71	Poorly defined baseline
4,4'-DDD	72-54-8	1	6.77	Poorly defined baseline
Heptachlor epoxide	1024-57-3	2	6.93	Poorly defined baseline
Endosulfan-II	33213-65-9	1	7.01	Poorly defined baseline
4,4'-DDT	50-29-3	1	7.21	Poorly defined baseline
gamma-Chlordane	5103-74-2	2	7.24	Poorly defined baseline
alpha-Chlordane	5103-71-9	2	7.48	Poorly defined baseline
4,4'-DDE	72-55-9	2	7.73	Poorly defined baseline
Methoxychlor	72-43-5	1	7.99	Poorly defined baseline
Dieldrin	60-57-1	2	8.04	Poorly defined baseline
Endrin	72-20-8	2	8.62	Poorly defined baseline
Endosulfan-II	33213-65-9	2	8.93	Poorly defined baseline
4,4'-DDT	50-29-3	2	9.28	Poorly defined baseline
Methoxychlor	72-43-5	2	10.51	Poorly defined baseline
Decachlorobiphenyl	2051-24-3	2	13.00	Poorly defined baseline

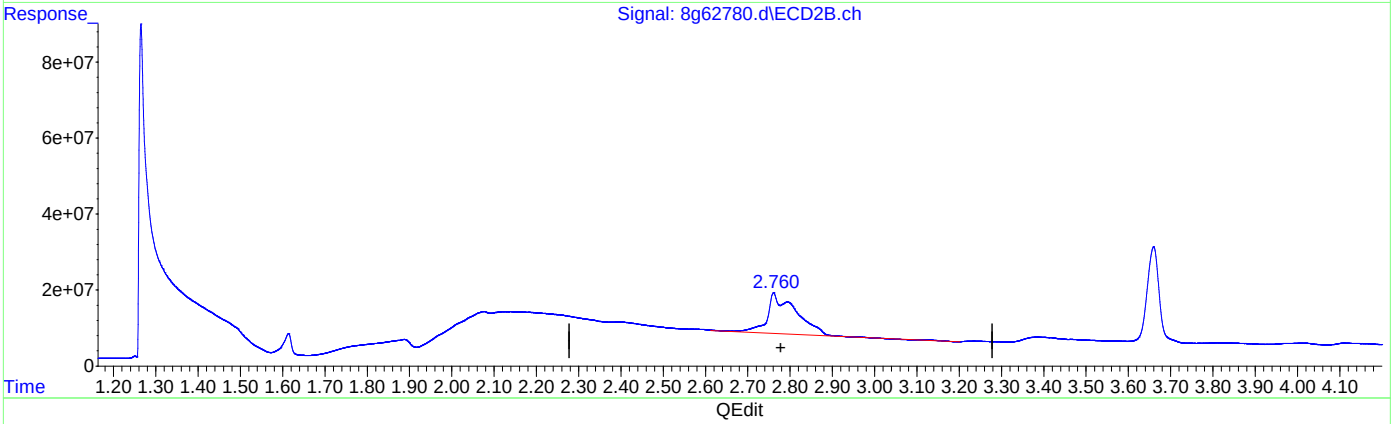
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62780.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 7:30 am
Operator : christp
Sample : je1300-44rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 18:38:22 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(1) 1-bromo-2-nitrobenzene (I)

2.396min 5.000 PPB

response 736562683

(1) 1-bromo-2-nitrobenzene #2 (I)

2.763min 5.000 PPB

response 506622087

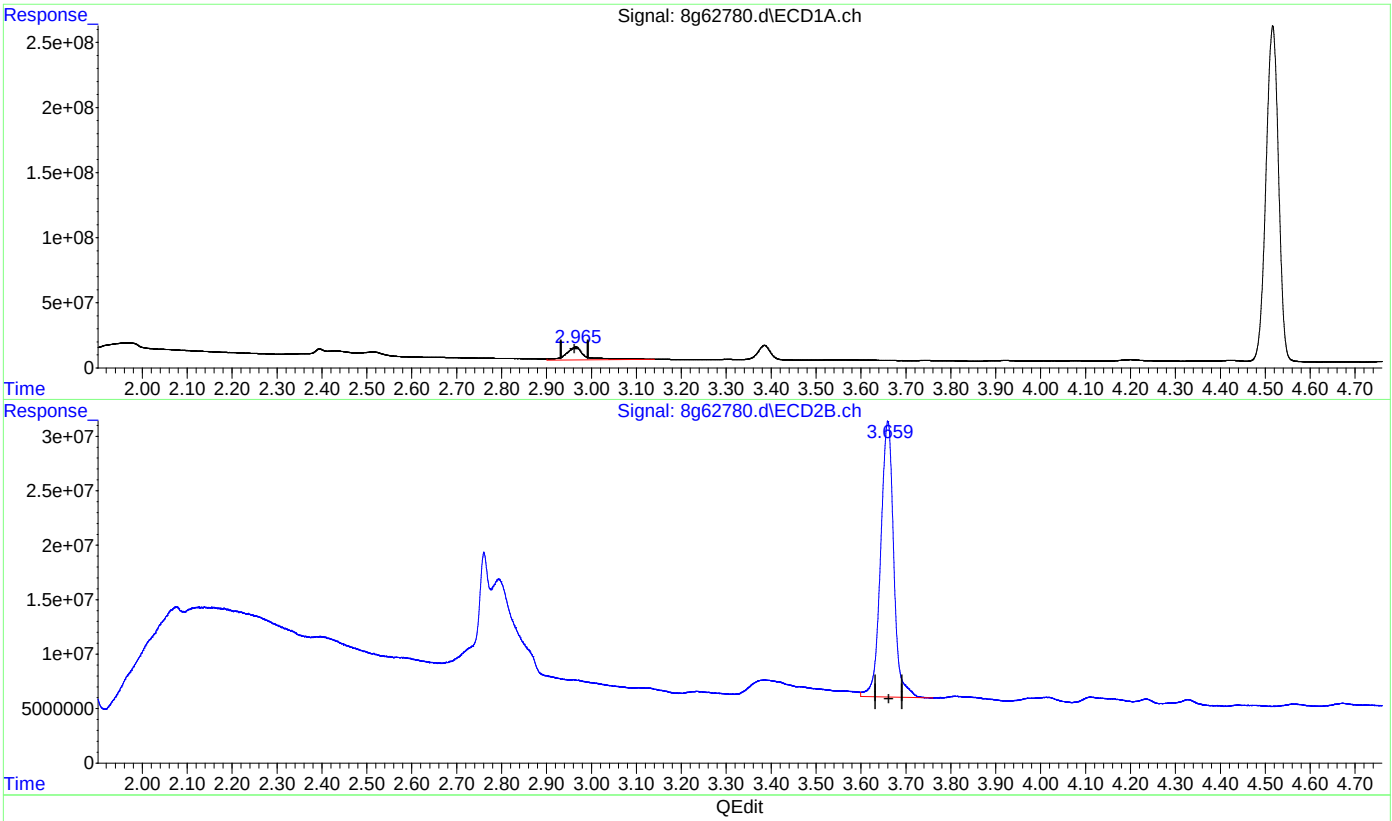
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62780.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 7:30 am
Operator : christp
Sample : je1300-44rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 18:38:22 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(2) Tetrachloro-m-xylene (SAB)

2.964min 4.871 PPB

response 289810520

(2) Tetrachloro-m-xylene #2 (SAB)

3.659min 4.266 PPB

response 511825977

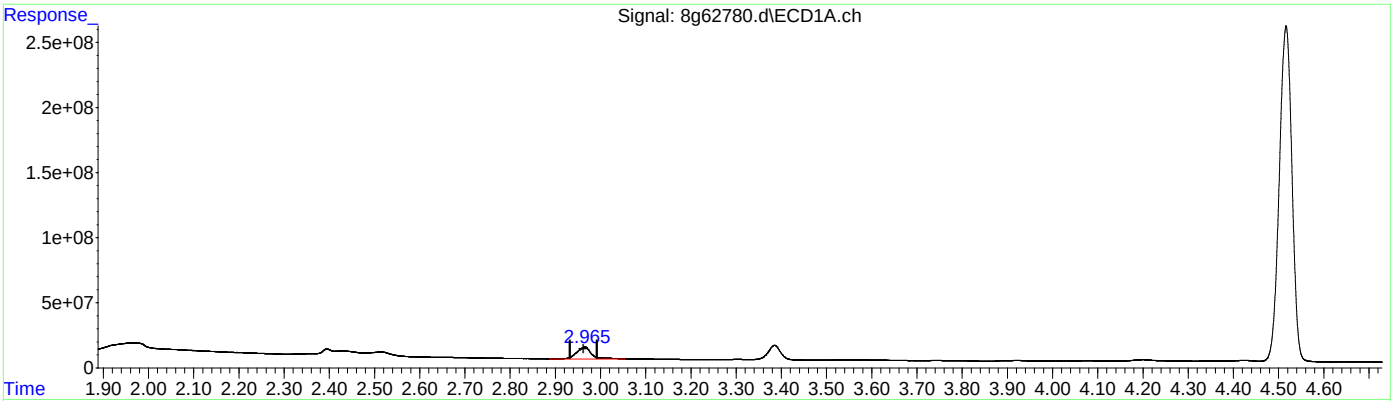
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 18:44:43 2024

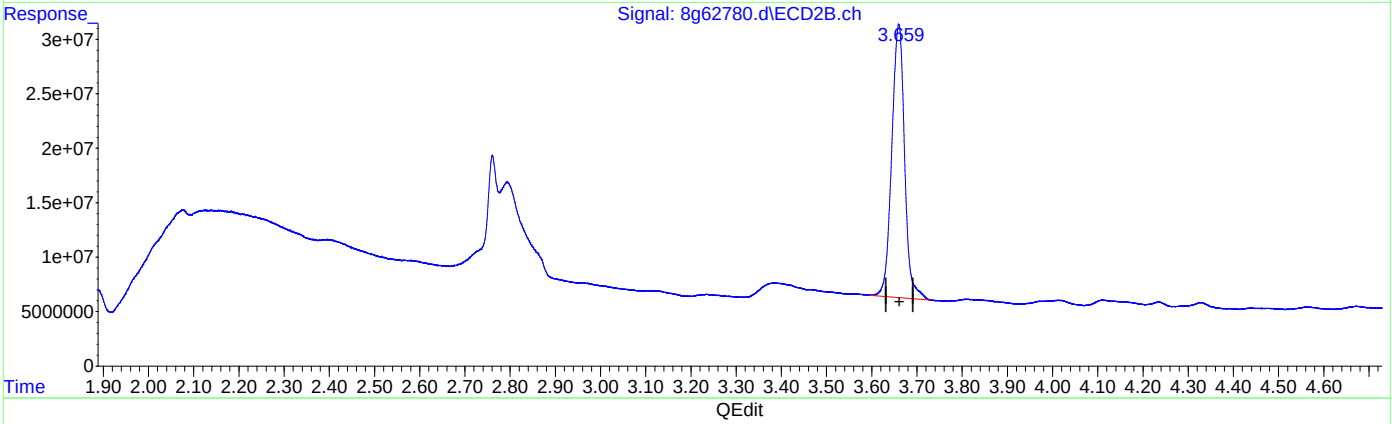
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62780.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 7:30 am
Operator : christp
Sample : je1300-44rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 18:38:22 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(2) Tetrachloro-m-xylene (SAB)

2.965min 3.502 PPB m

response 208377006

(2) Tetrachloro-m-xylene #2 (SAB)

3.659min 4.122 PPB m

response 494460517

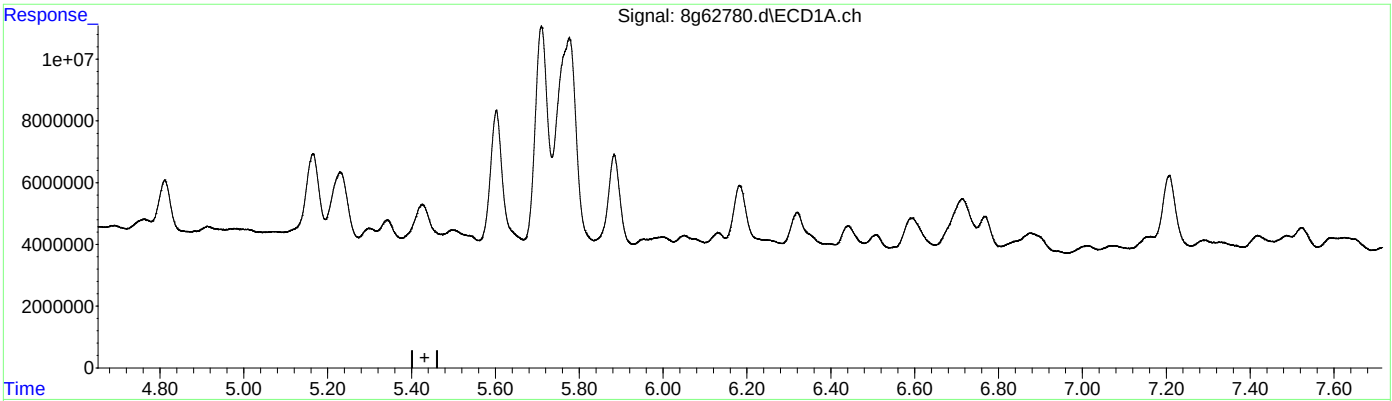
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 18:47:51 2024

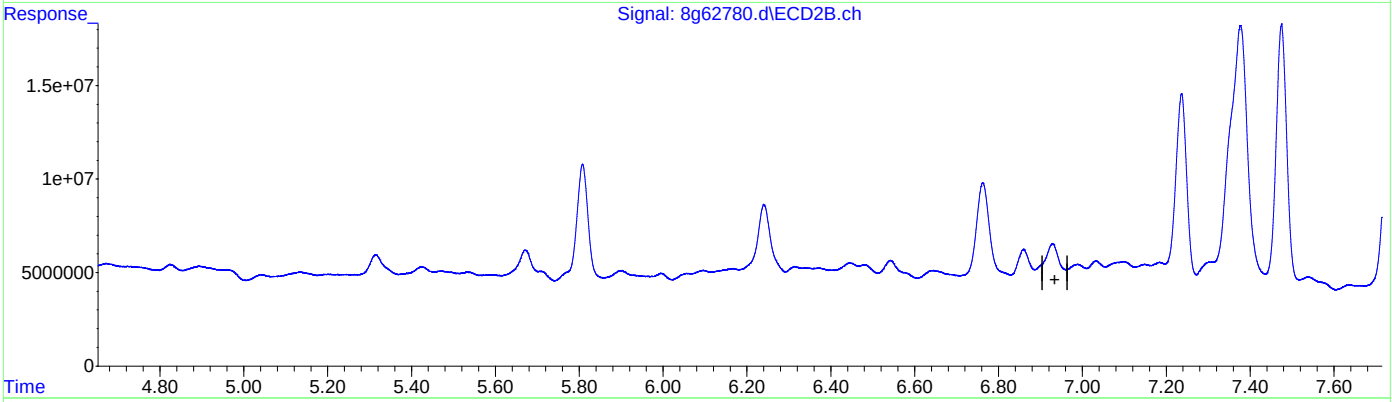
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62780.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 7:30 am
Operator : christp
Sample : je1300-44rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 18:38:22 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(11) Heptachlor Epoxide (B)

0.000min 0.000 PPB

response 0

(11) Heptachlor Epoxide #2 (B)

0.000min 0.000 PPB

response 0

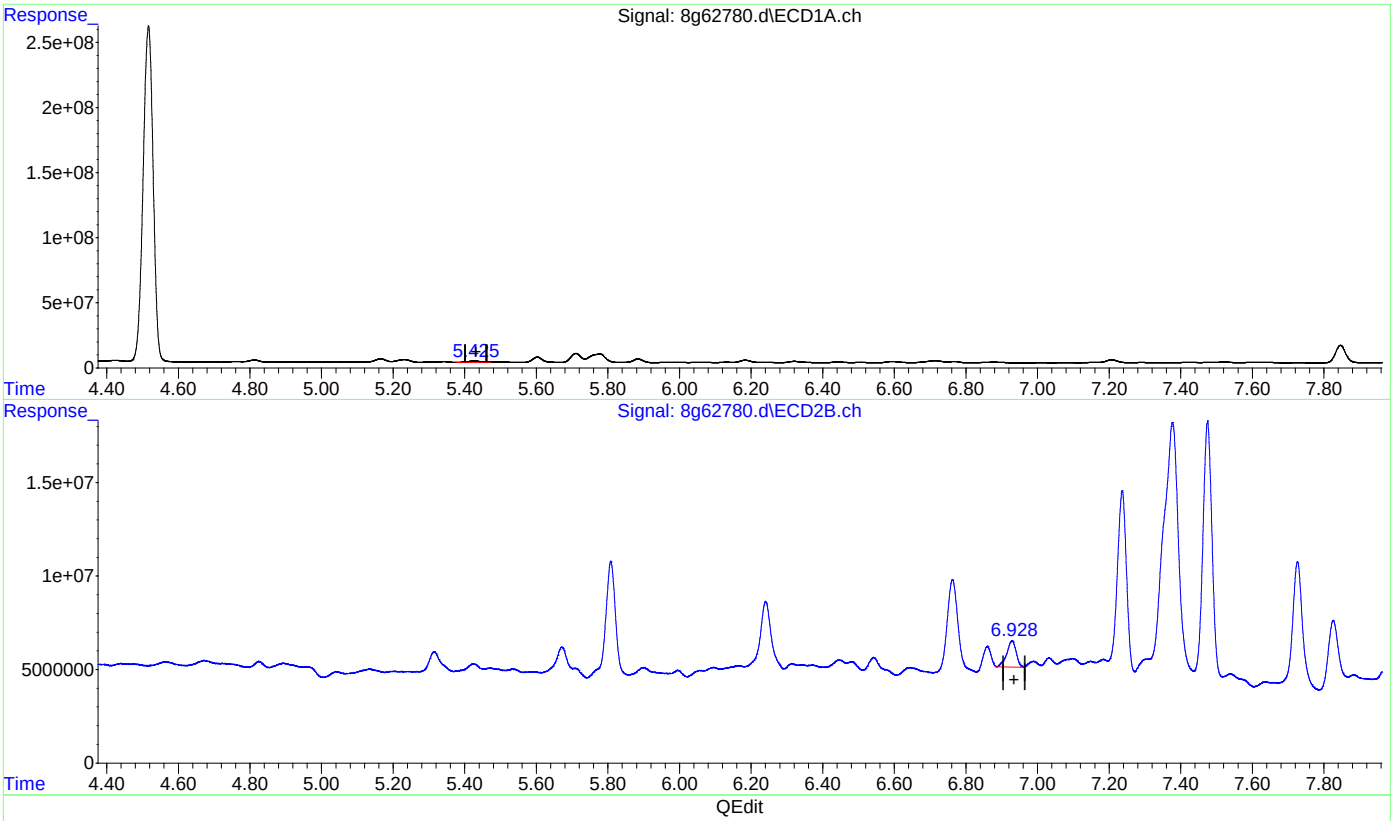
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 18:49:26 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62780.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 7:30 am
Operator : christp
Sample : je1300-44rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 18:38:22 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(11) Heptachlor Epoxide (B)

5.425min 0.403 PPB m

response 28207737

(11) Heptachlor Epoxide #2 (B)

6.928min 0.227 PPB m

response 25806339

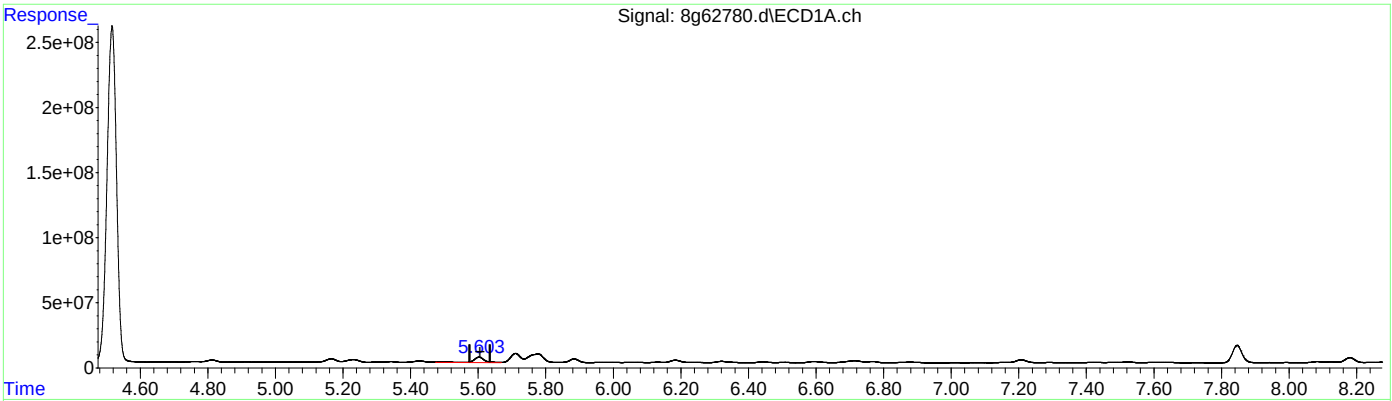
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 18:51:44 2024

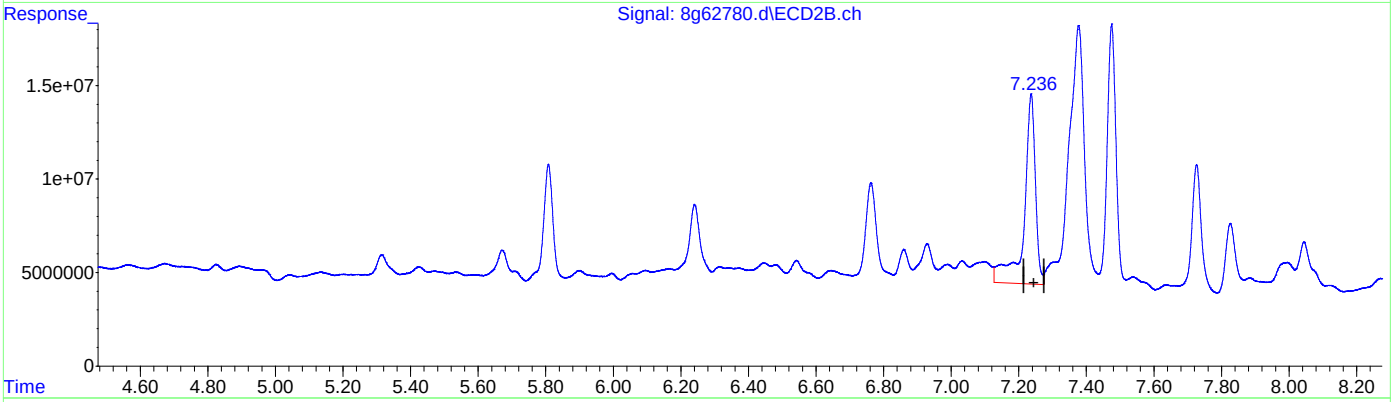
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62780.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 7:30 am
Operator : christp
Sample : je1300-44rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 18:38:22 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(12) gamma-Chlordane (B)

5.602min 1.244 PPB

response 92766290

(12) gamma-Chlordane #2 (B)

7.237min 2.124 PPB

response 239087140

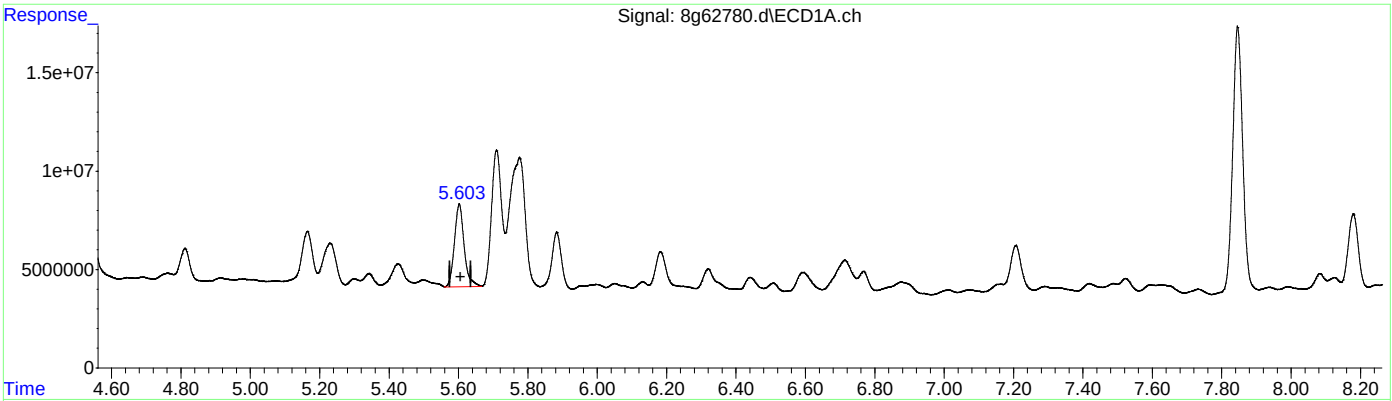
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 18:51:51 2024

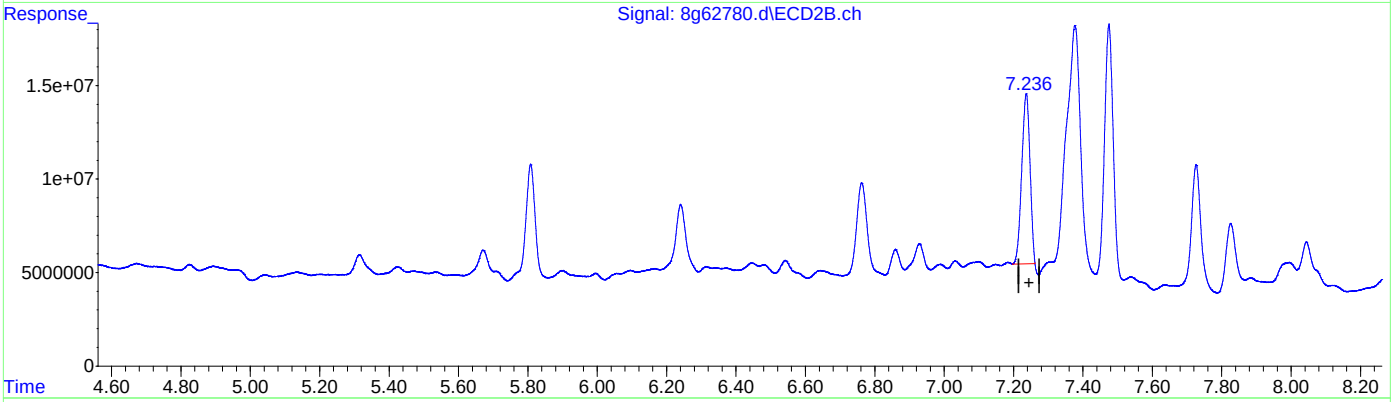
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62780.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 7:30 am
Operator : christp
Sample : je1300-44rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 18:38:22 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(12) gamma-Chlordane (B)

5.603min 1.094 PPB m

response 81599099

(12) gamma-Chlordane #2 (B)

7.236min 1.336 PPB m

response 150393563

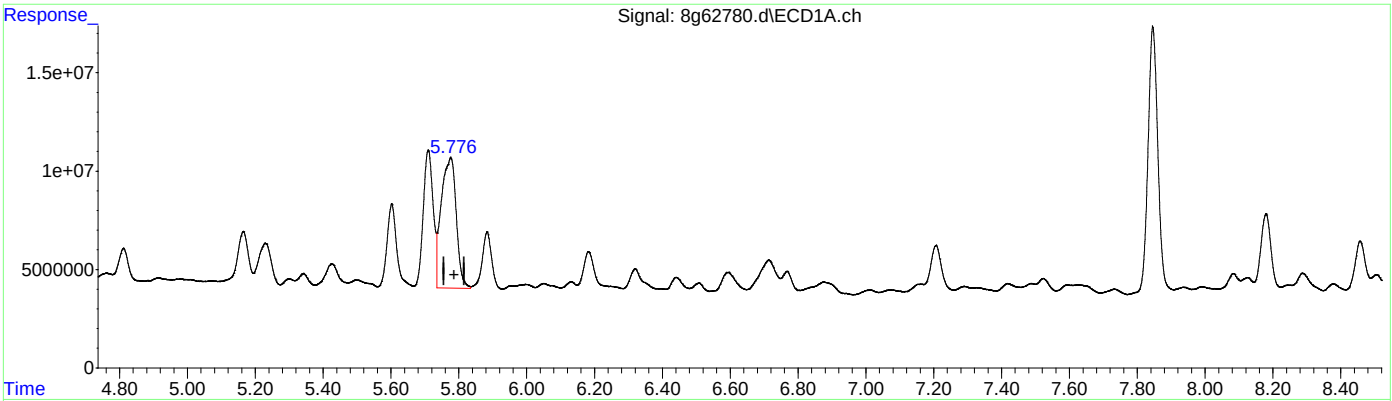
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 18:52:29 2024

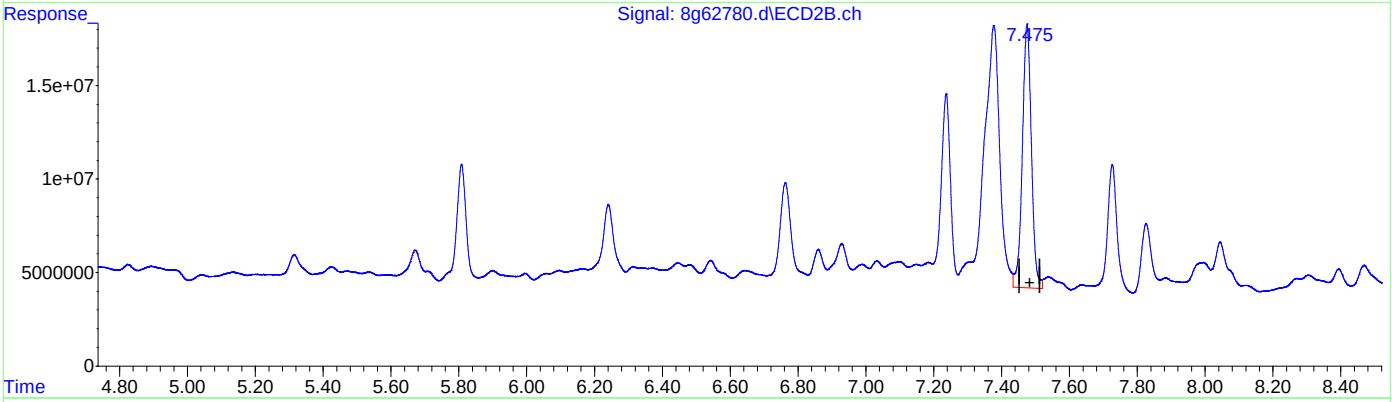
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62780.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 7:30 am
Operator : christp
Sample : je1300-44rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 18:38:22 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(13) alpha-Chlordane (B)

5.774min 2.918 PPB

response 202616118

(13) alpha-Chlordane #2 (B)

7.475min 2.344 PPB

response 262130966

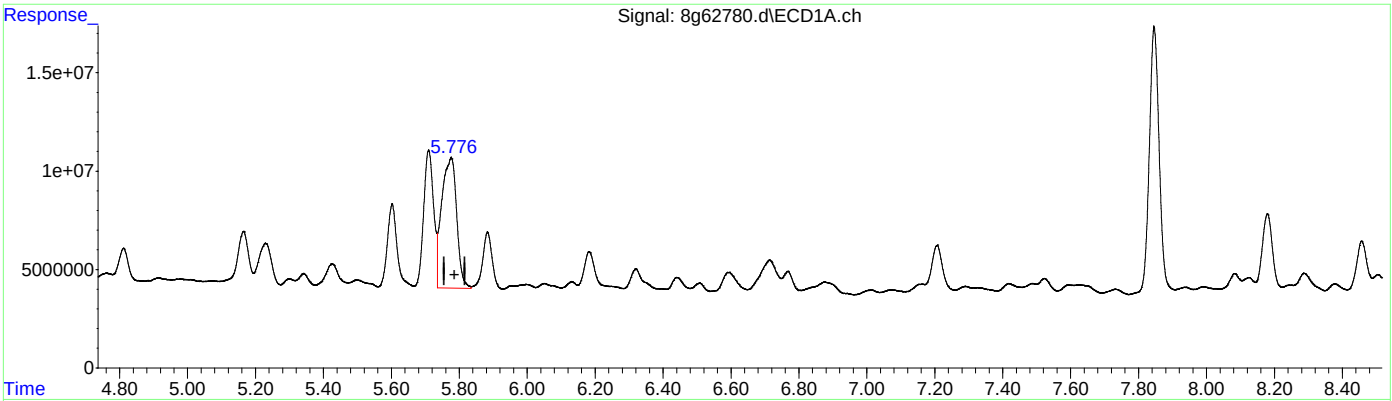
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 18:52:54 2024

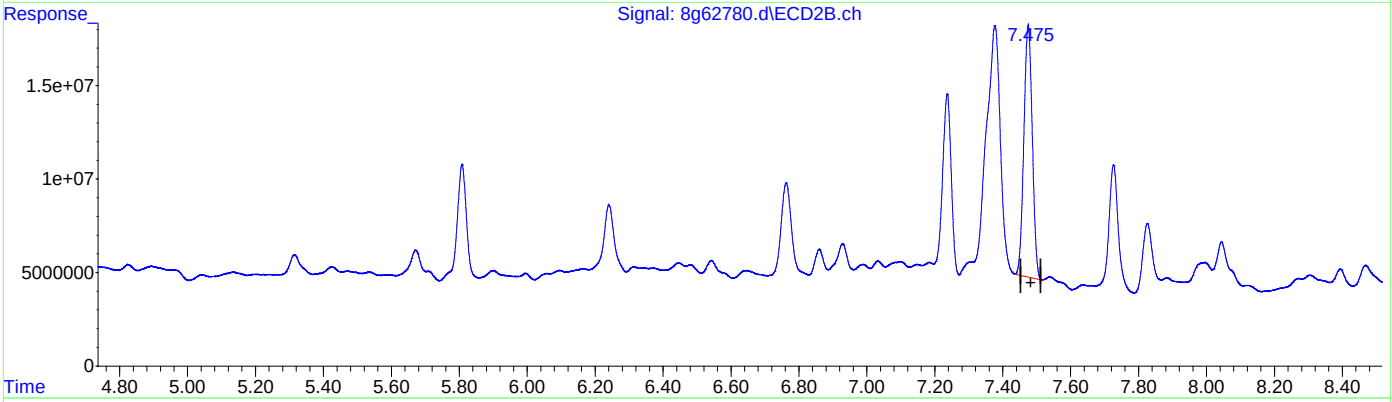
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62780.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 7:30 am
Operator : christp
Sample : je1300-44rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 18:38:22 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(13) alpha-Chlordane (B)

5.774min 2.918 PPB

response 202616118

(13) alpha-Chlordane #2 (B)

7.475min 2.075 PPB m

response 232114094

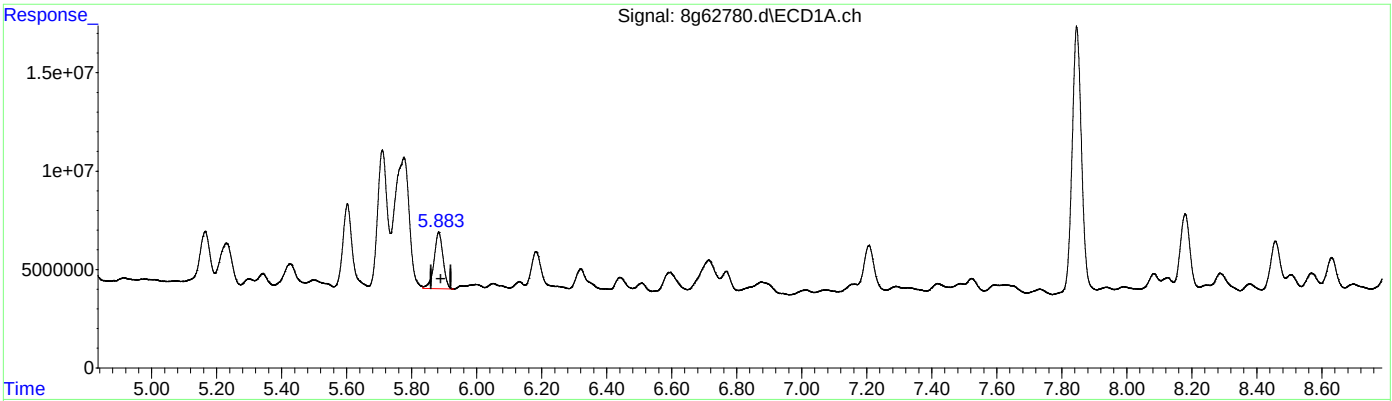
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 18:53:28 2024

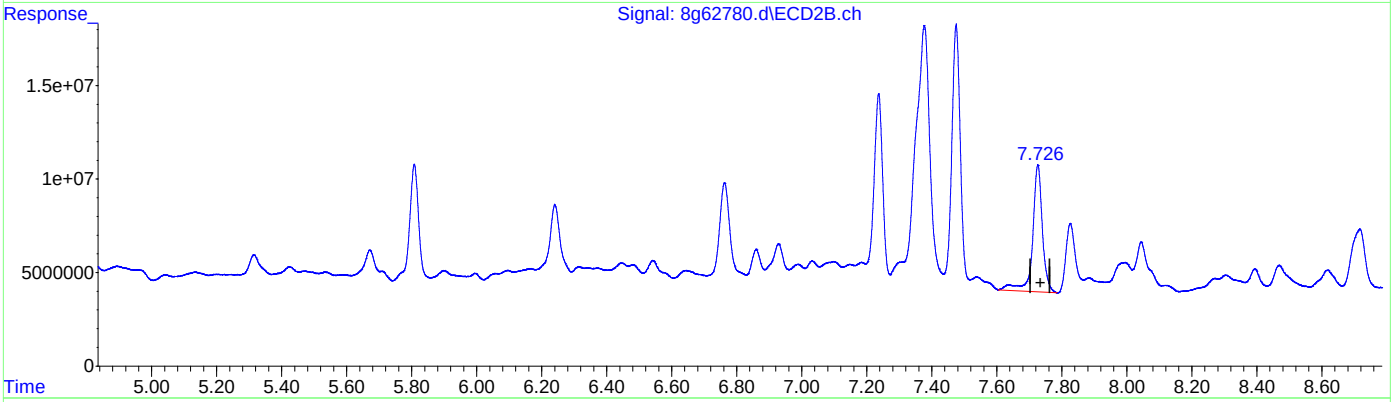
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62780.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 7:30 am
Operator : christp
Sample : je1300-44rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 18:38:22 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(15) 4,4'-DDE (B)

5.883min 0.779 PPB

response 55368612

(15) 4,4'-DDE #2 (B)

7.726min 1.323 PPB

response 143427280

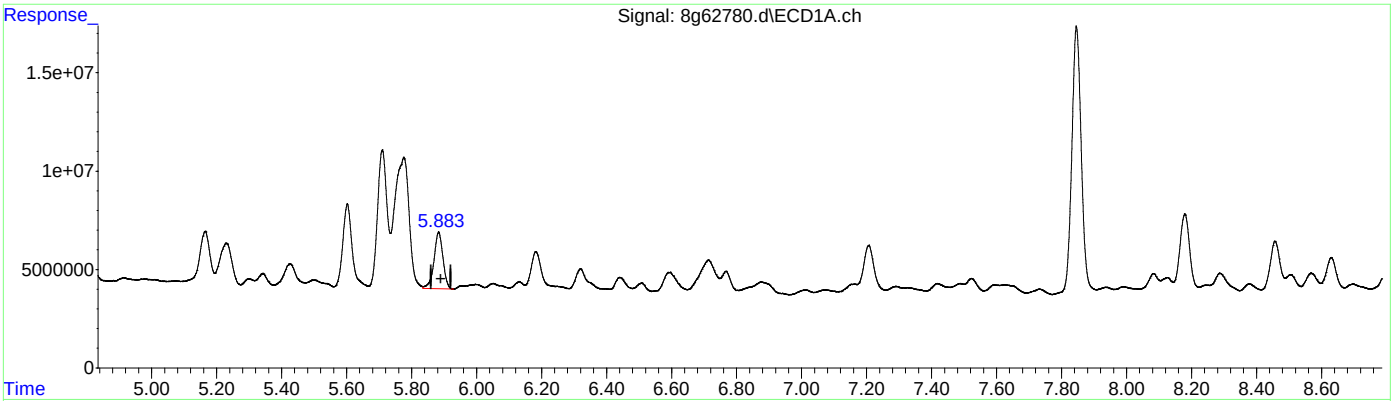
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 18:53:43 2024

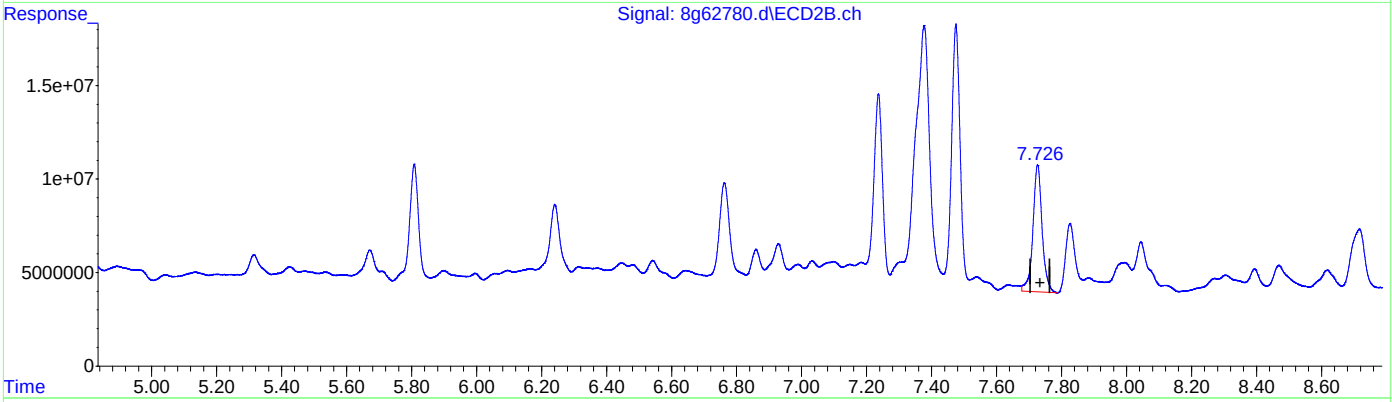
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62780.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 7:30 am
Operator : christp
Sample : je1300-44rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 18:38:22 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(15) 4,4'-DDE (B)

5.883min 0.779 PPB

response 55368612

(15) 4,4'-DDE #2 (B)

7.726min 1.233 PPB m

response 133668519

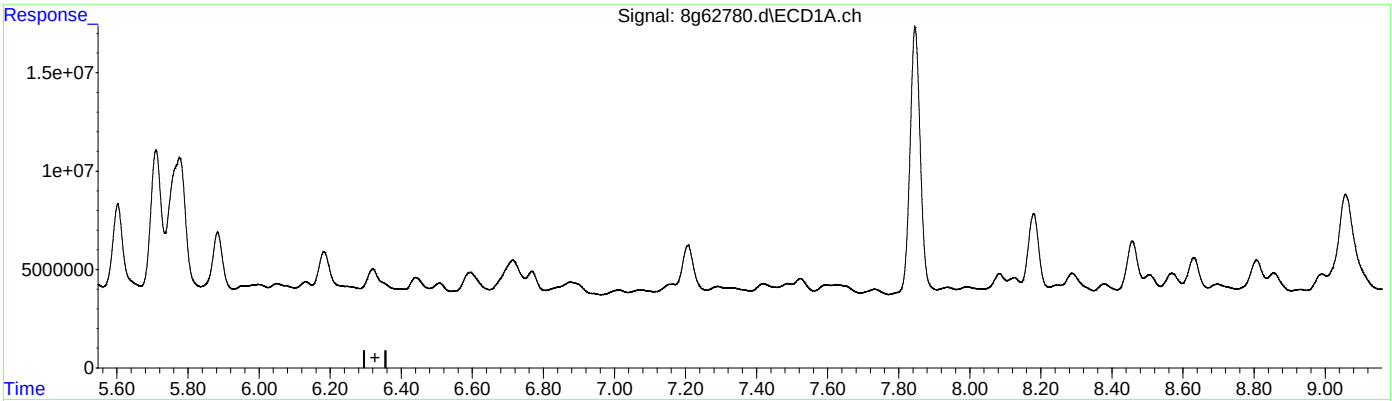
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 18:54:17 2024

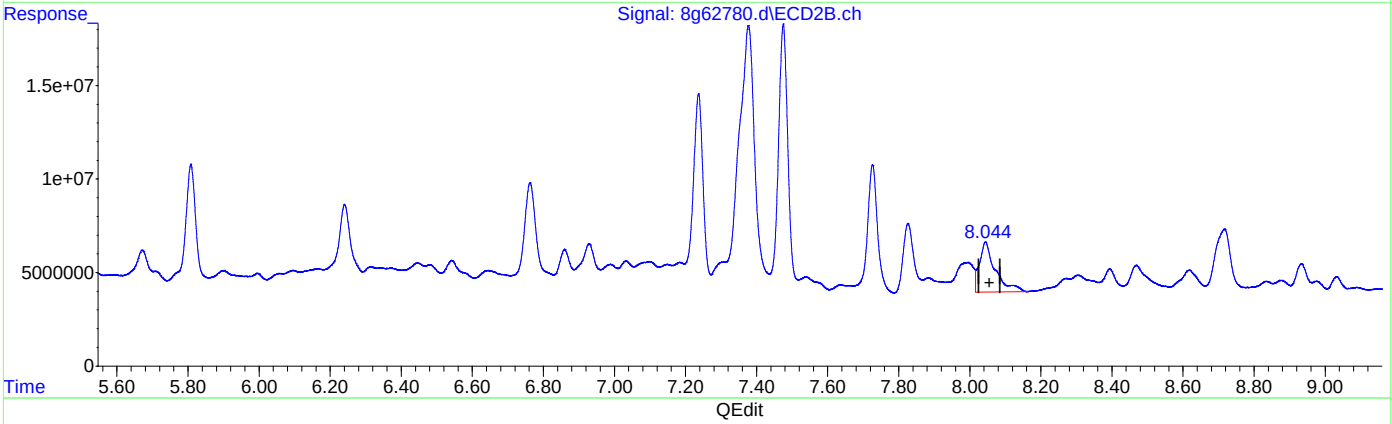
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62780.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 7:30 am
Operator : christp
Sample : je1300-44rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 18:38:22 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(16) Dieldrin (MA)

0.000min 0.000 PPB

response 0

(16) Dieldrin #2 (MA)

8.045min 0.711 PPB

response 82348676

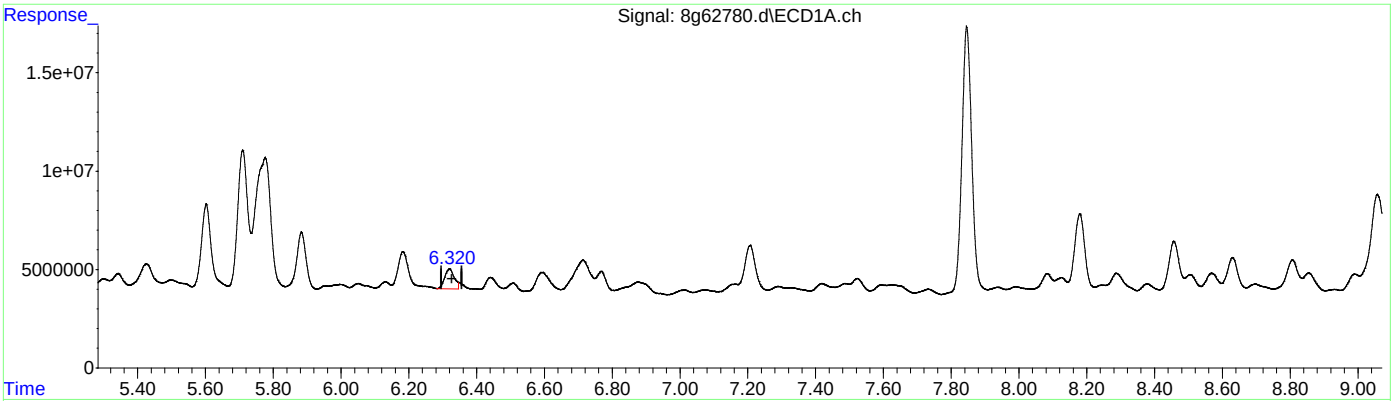
(+) = Expected Retention Time

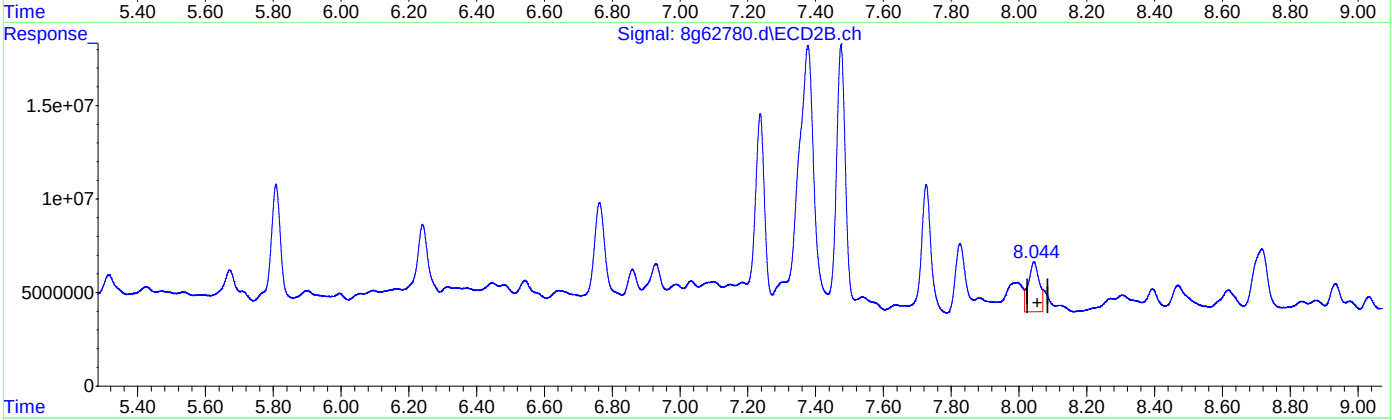
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62780.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 7:30 am
Operator : christp
Sample : je1300-44rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 18:38:22 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(16) Dieldrin (MA)

6.320min 0.283 PPB m

response 19994856

(16) Dieldrin #2 (MA)

8.044min 0.517 PPB m

response 59917565

(+) = Expected Retention Time

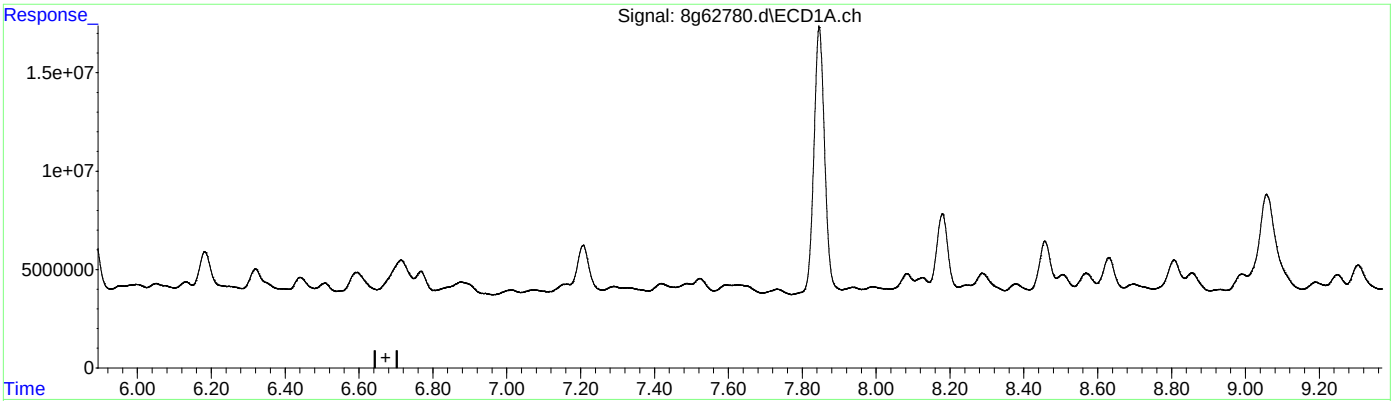
8PSTLVI2596a.M Tue Dec 03 18:56:04 2024

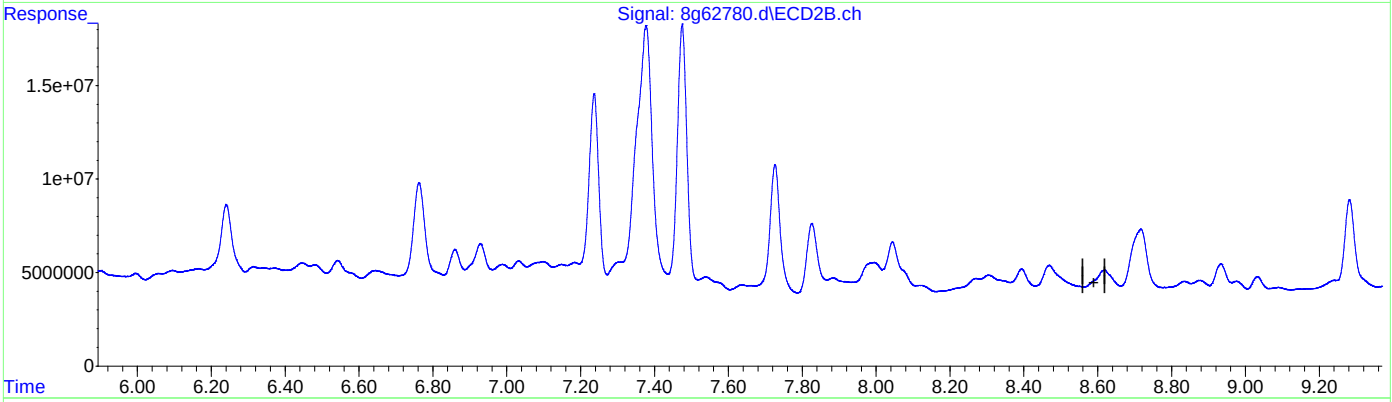
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62780.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 7:30 am
Operator : christp
Sample : je1300-44rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 18:38:22 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(17) Endrin (MA)

0.000min 0.000 PPB

response 0

(17) Endrin #2 (MA)

0.000min 0.000 PPB

response 0

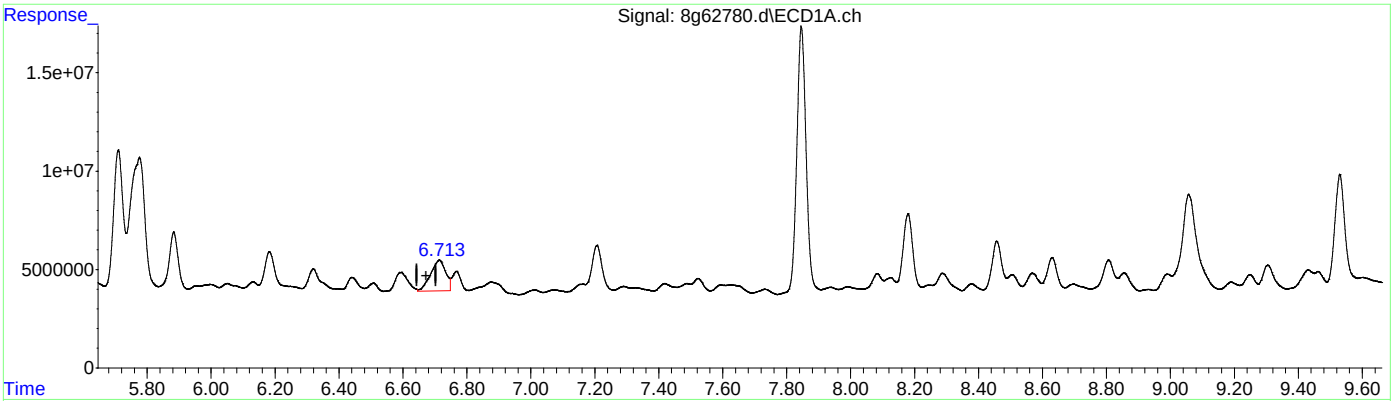
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 18:56:20 2024

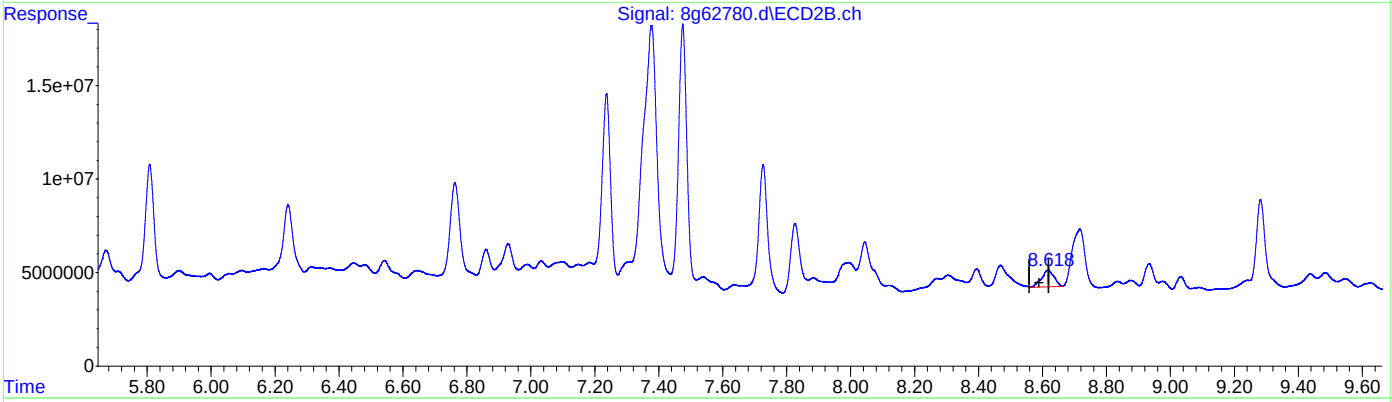
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62780.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 7:30 am
Operator : christp
Sample : je1300-44rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 18:38:22 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(17) Endrin (MA)

6.713min 0.921 PPB m

response 51288367

(17) Endrin #2 (MA)

8.618min 0.291 PPB m

response 24290557

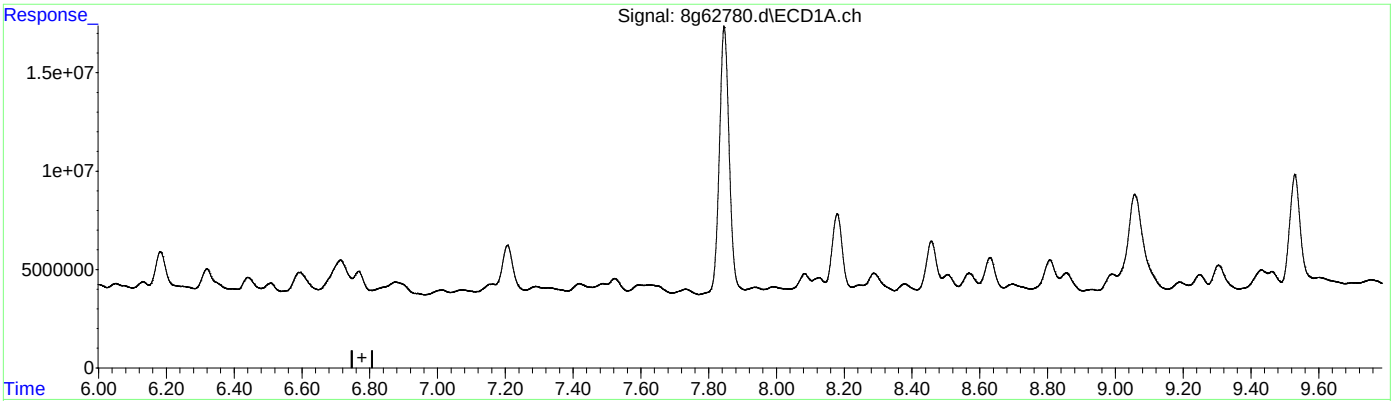
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 18:57:13 2024

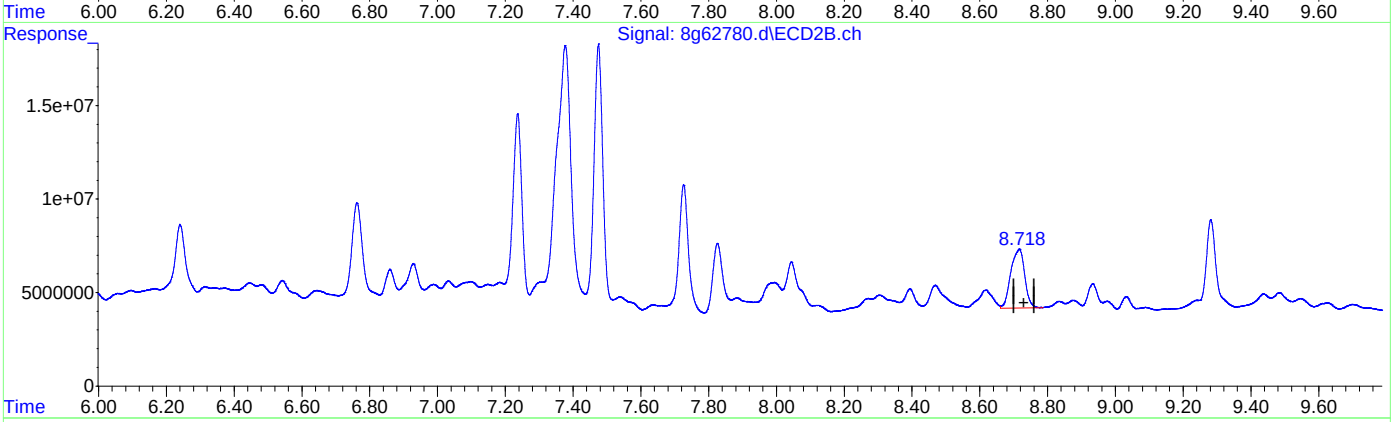
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62780.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 7:30 am
Operator : christp
Sample : je1300-44rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 18:38:22 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(18) 4,4'-DDD (A)

0.000min 0.000 PPB

response 0

(18) 4,4'-DDD #2 (A)

8.715min 0.938 PPB

response 89435641

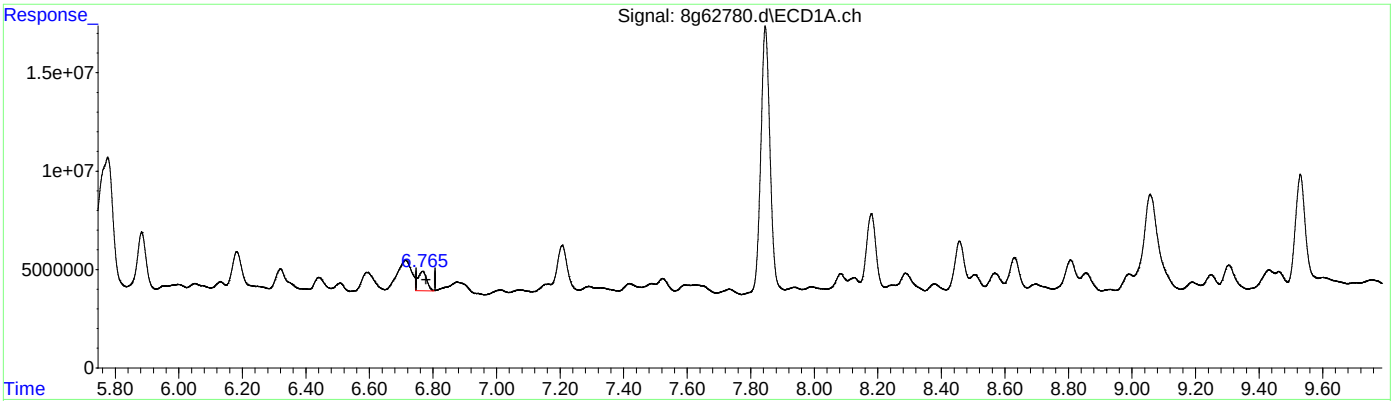
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 18:57:29 2024

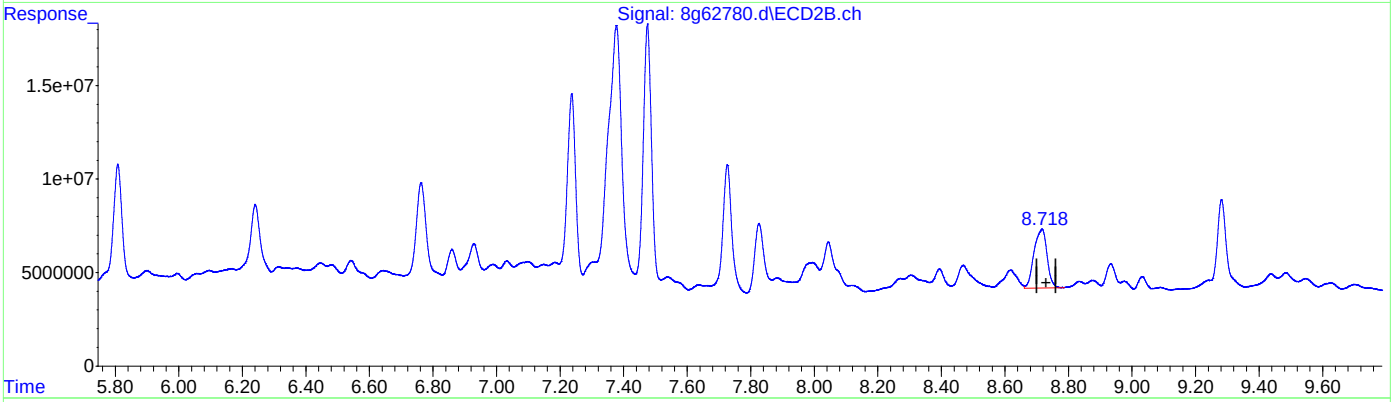
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62780.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 7:30 am
Operator : christp
Sample : je1300-44rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 18:38:22 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(18) 4,4'-DDD (A)

6.765min 0.325 PPB m

response 19315179

(18) 4,4'-DDD #2 (A)

8.715min 0.938 PPB

response 89435641

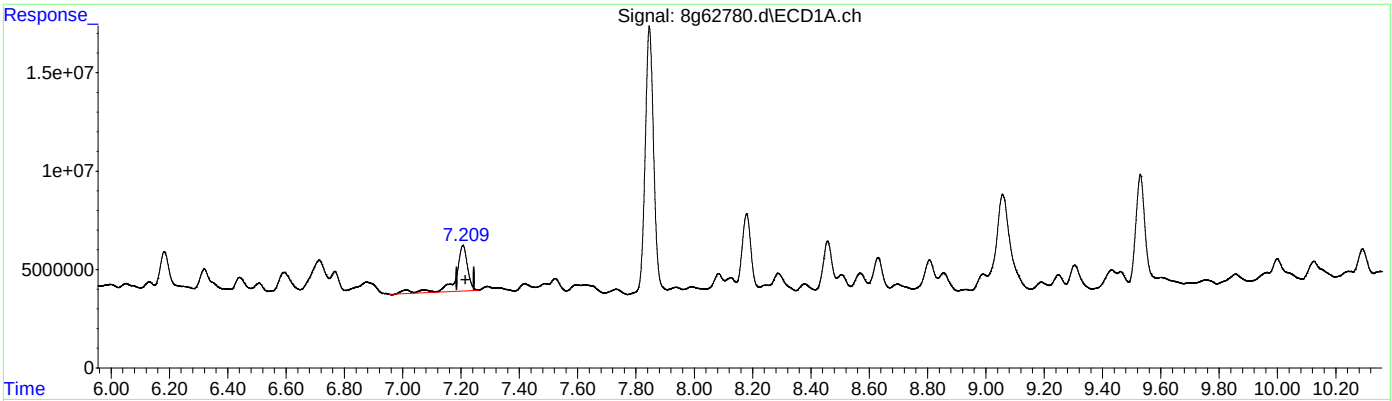
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 18:58:22 2024

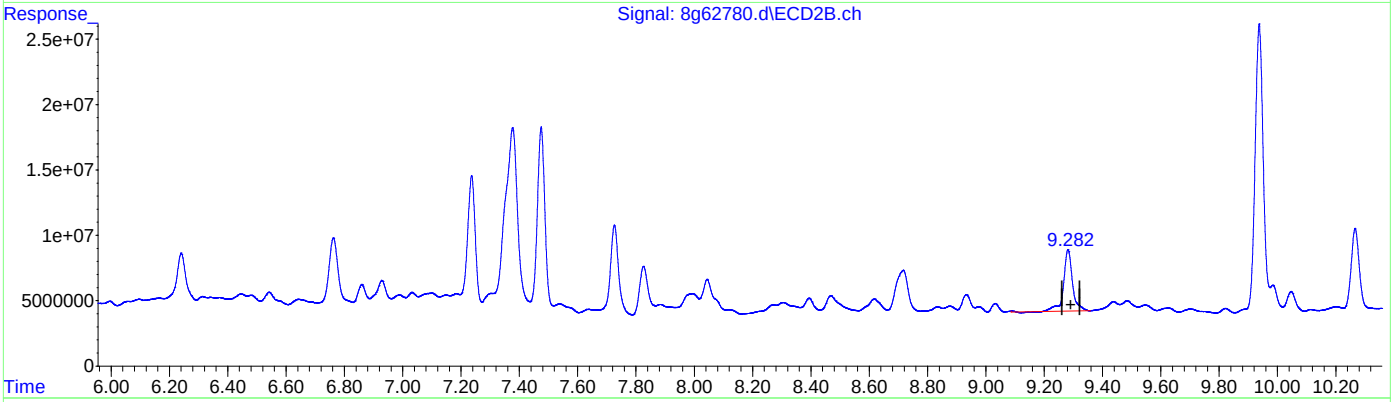
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62780.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 7:30 am
Operator : christp
Sample : je1300-44rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 18:38:22 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(20) 4,4'-DDT (MA)

7.207min 1.116 PPB

response 67028100

(20) 4,4'-DDT #2 (MA)

9.282min 1.261 PPB

response 99392183

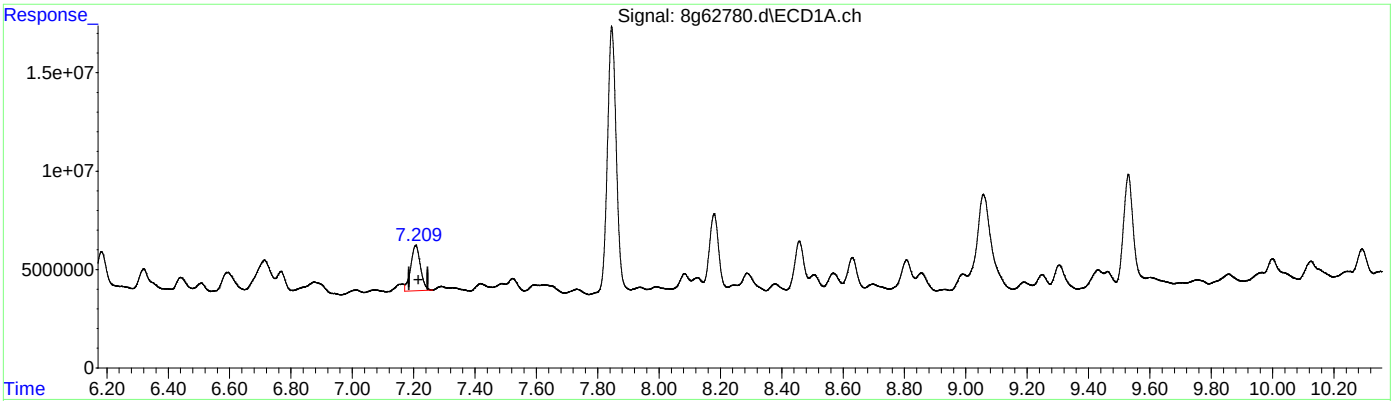
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 18:58:34 2024

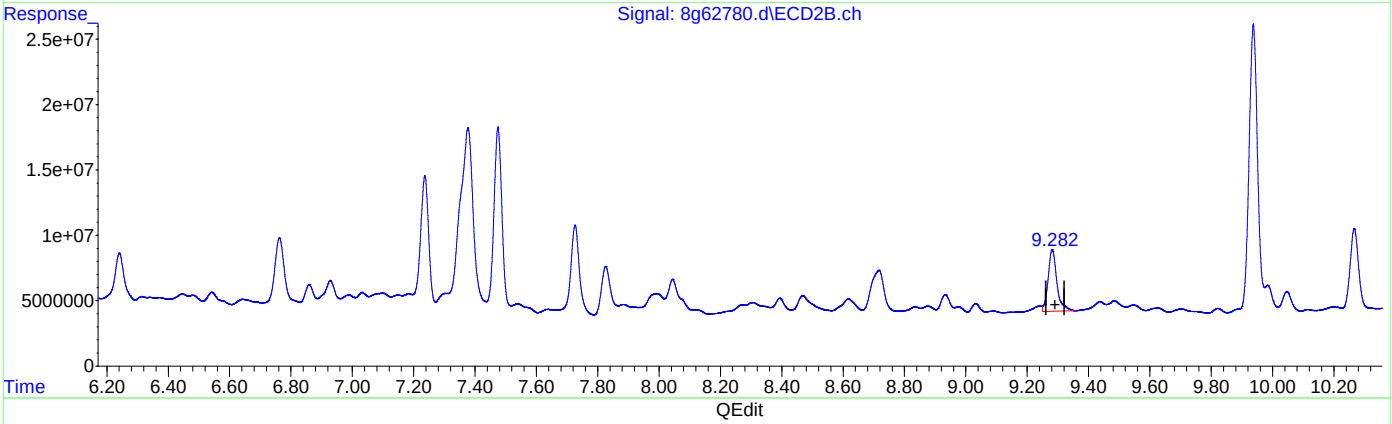
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62780.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 7:30 am
Operator : christp
Sample : je1300-44rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 18:38:22 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(20) 4,4'-DDT (MA)

7.209min 0.846 PPB m

response 50853165

(20) 4,4'-DDT #2 (MA)

9.282min 1.184 PPB m

response 93387334

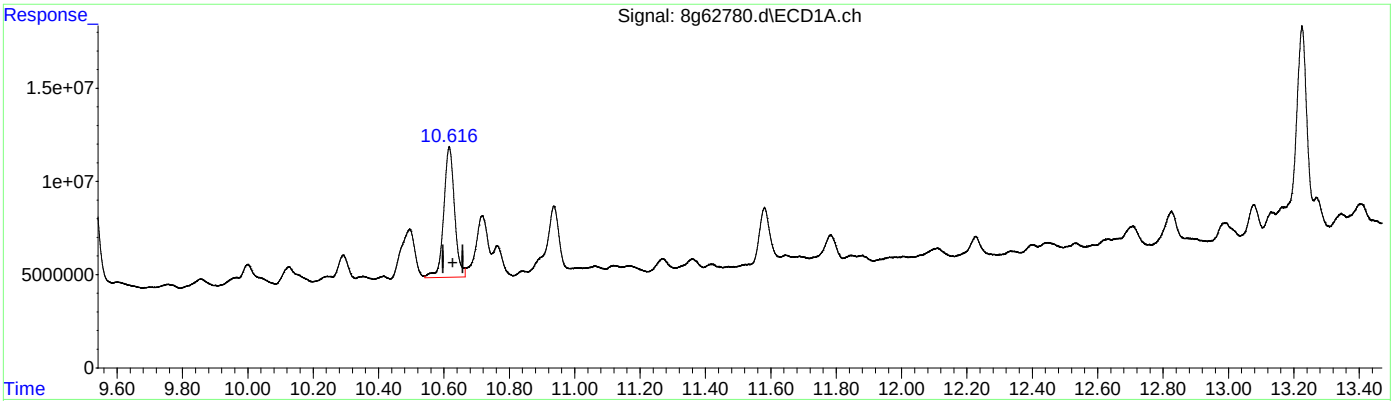
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 18:59:31 2024

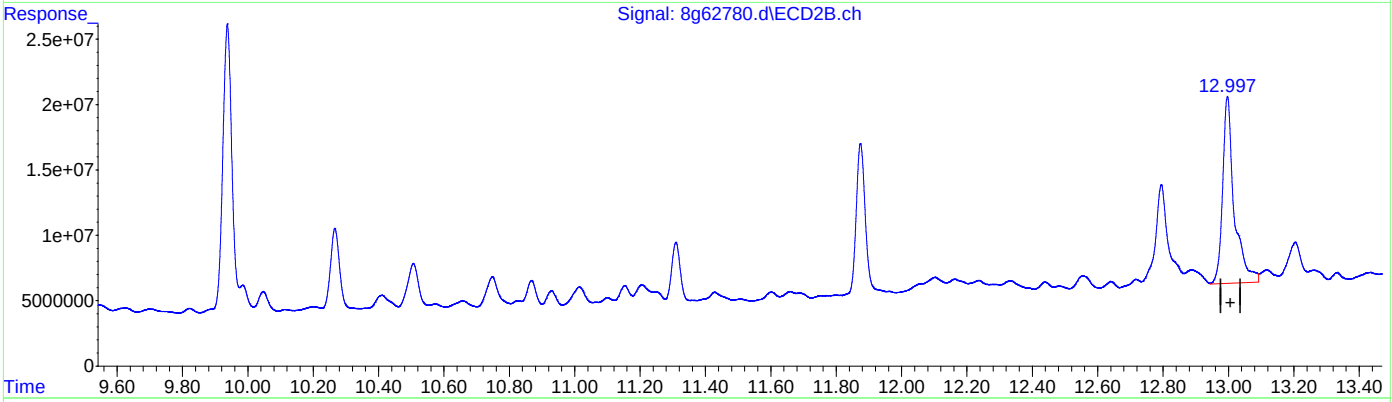
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62780.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 7:30 am
Operator : christp
Sample : je1300-44rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 18:38:22 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(26) Decachlorobiphenyl (SA)

10.616min 2.800 PPB

response 160263227

(26) Decachlorobiphenyl #2 (SA)

12.997min 5.191 PPB

response 352245857

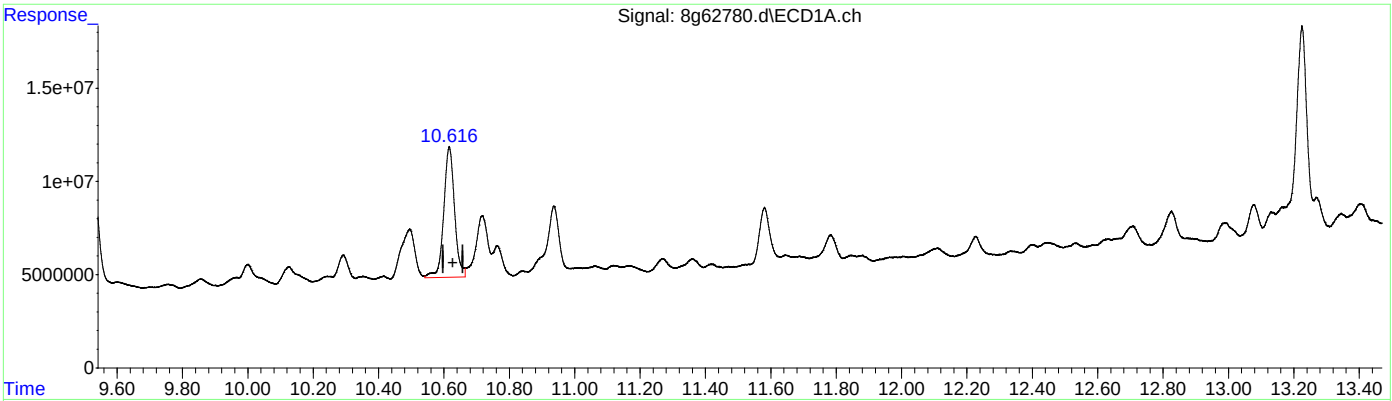
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 19:02:36 2024

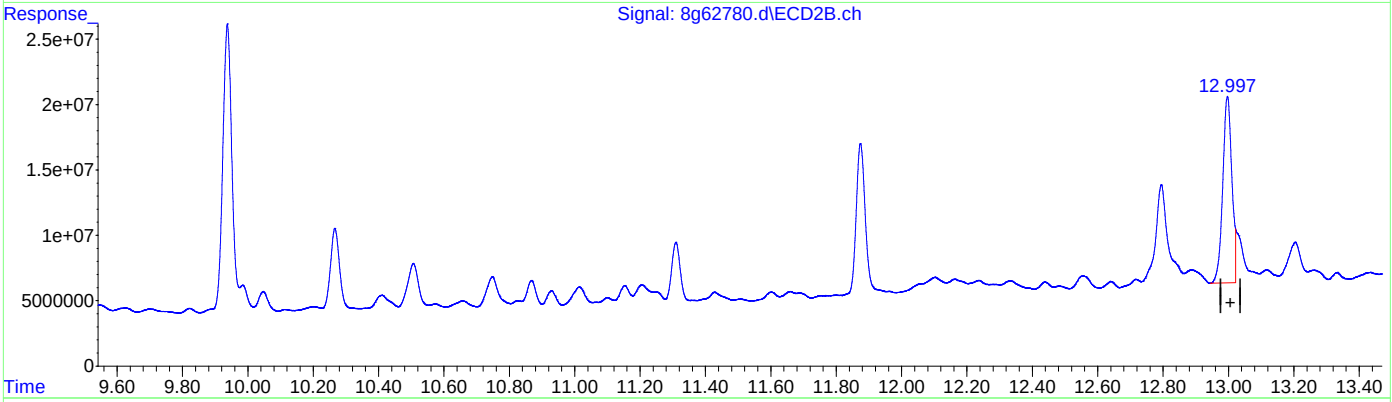
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62780.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 7:30 am
Operator : christp
Sample : je1300-44rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 18:38:22 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(26) Decachlorobiphenyl (SA)

10.616min 2.800 PPB

response 160263227

(26) Decachlorobiphenyl #2 (SA)

12.997min 4.055 PPB m

response 275179689

(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 19:03:17 2024

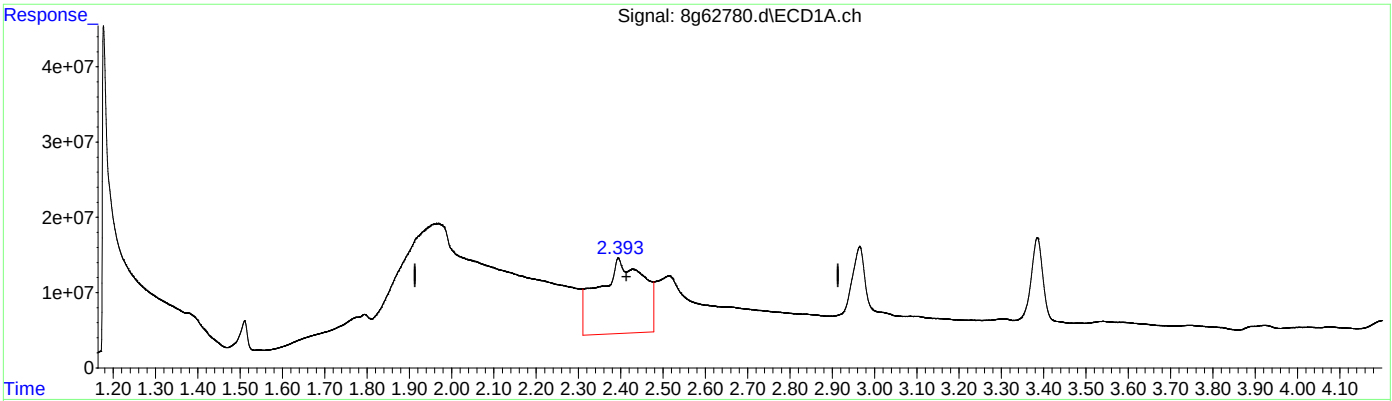
7.1.5.22
7

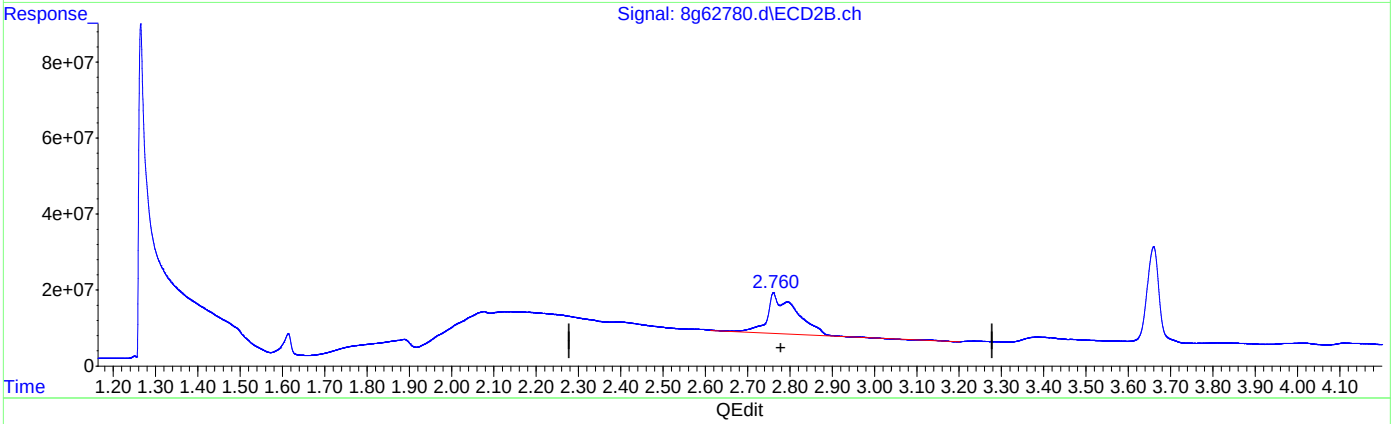
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62780.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 7:30 am
Operator : christp
Sample : je1300-44rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 18:38:22 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(27) 1-bromo-2-nitrobenzeneA (I)

2.396min 5.000 PPB

response 736562683

(27) 1-bromo-2-nitrobenzeneA #2 (I)

2.763min 5.000 PPB

response 506622087

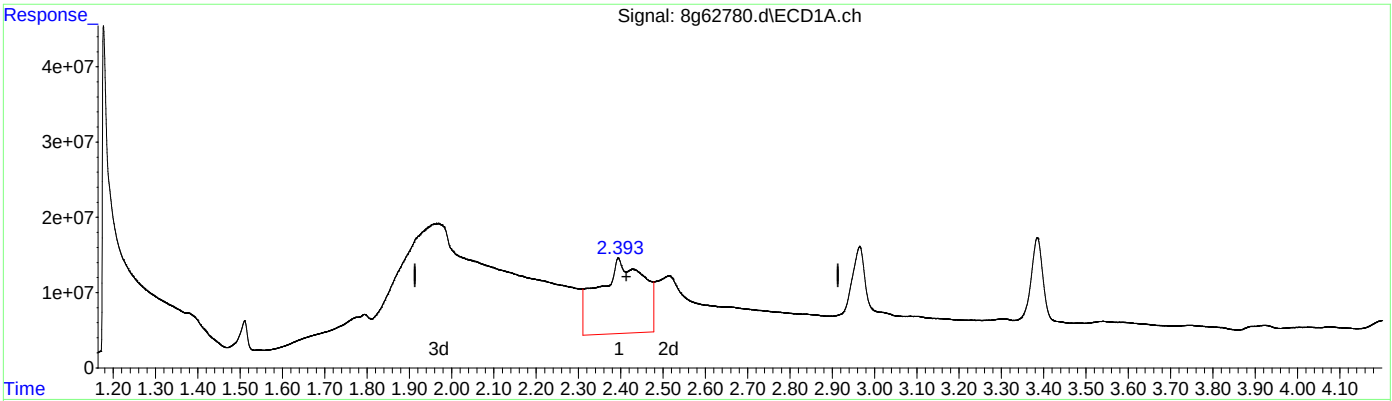
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 19:03:25 2024

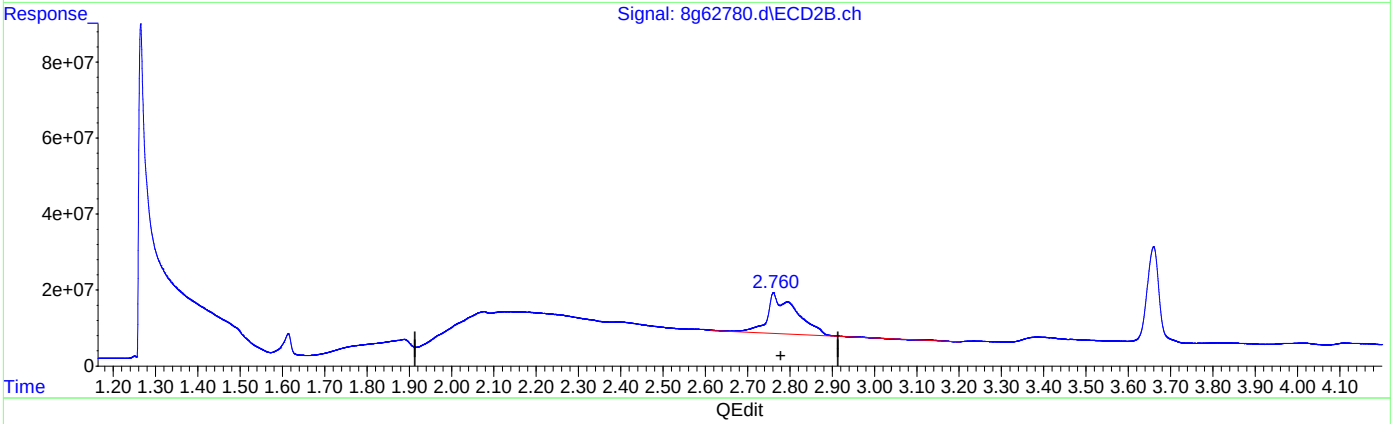
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62780.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 7:30 am
Operator : christp
Sample : je1300-44rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 18:38:22 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(33) 1-bromo-2-nitrobenzeneB (I)

2.396min 5.000 PPB

response 736562683

(33) 1-bromo-2-nitrobenzeneB #2 (I)

2.763min 5.000 PPB

response 506622087

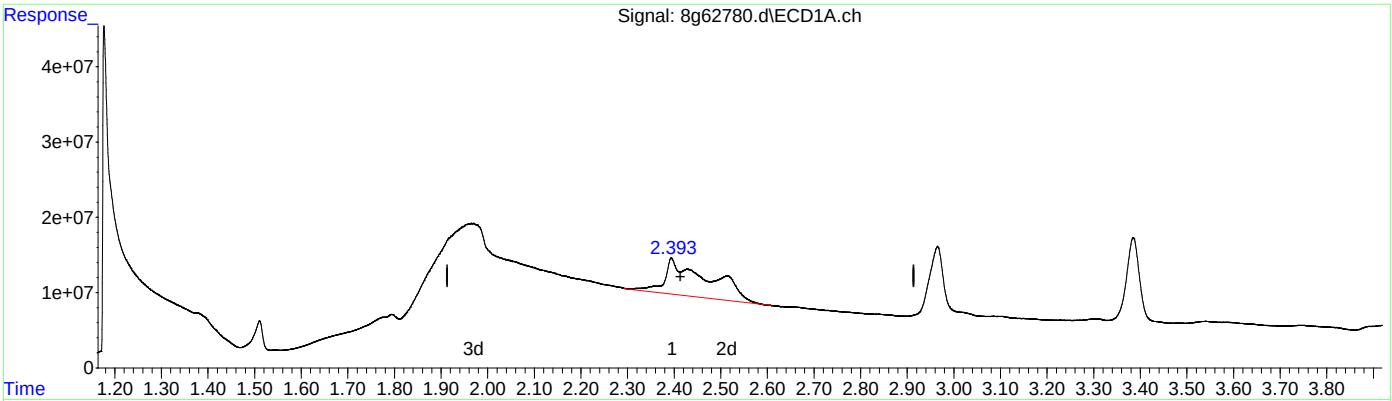
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 19:03:47 2024

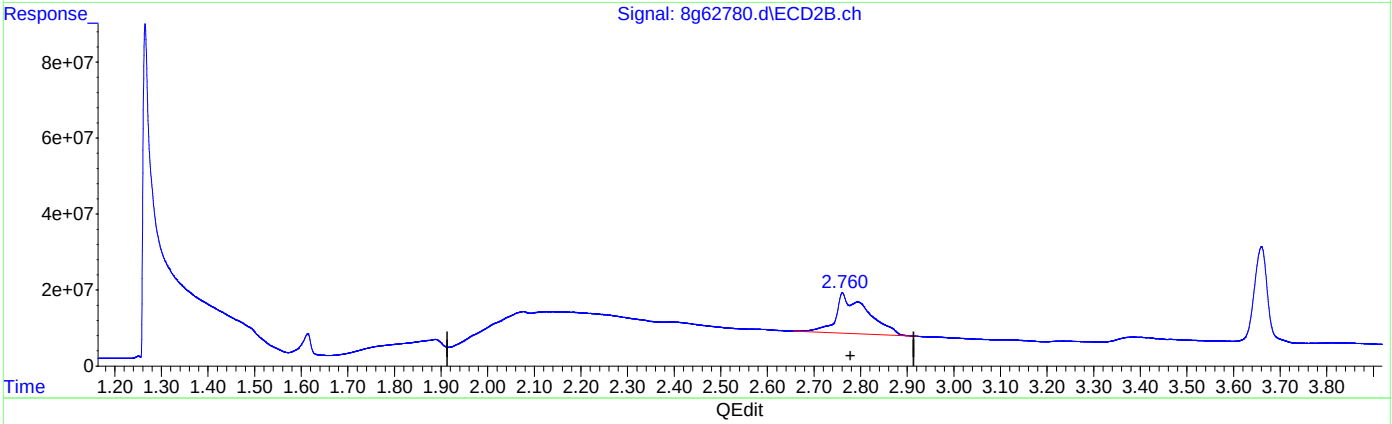
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62780.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 7:30 am
Operator : christp
Sample : je1300-44rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 18:38:22 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(33) 1-bromo-2-nitrobenzeneB (I)

2.393min 5.000 PPB m

response 316722358

(33) 1-bromo-2-nitrobenzeneB #2 (I)

2.760min 5.000 PPB m

response 495143077

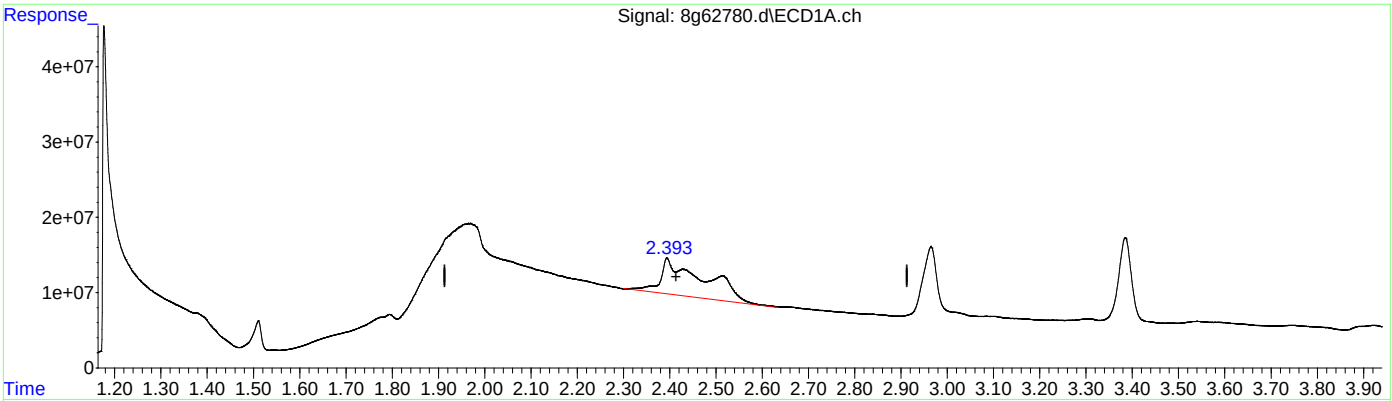
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 19:04:12 2024

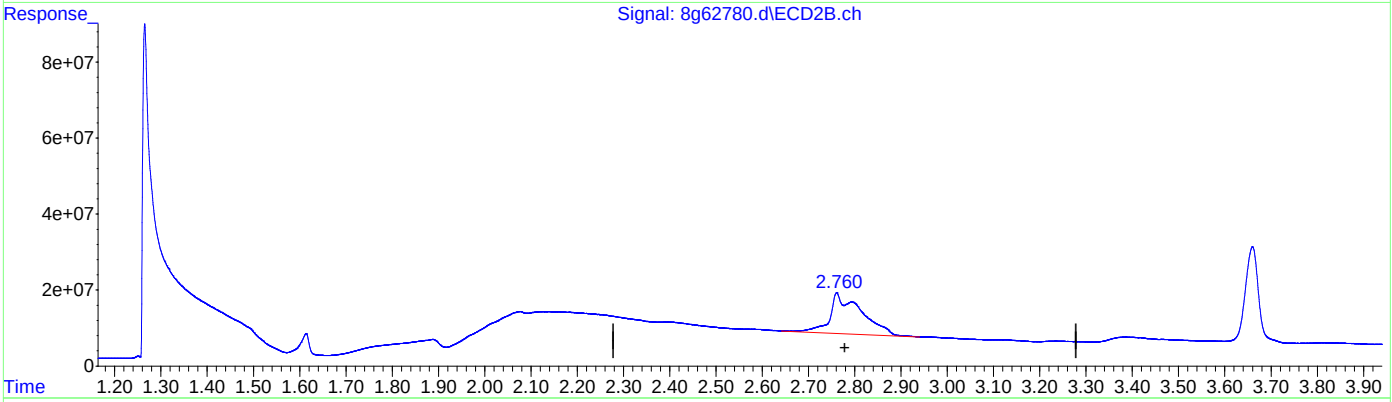
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62780.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 7:30 am
Operator : christp
Sample : je1300-44rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 18:38:22 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(27) 1-bromo-2-nitrobenzeneA (I)

2.393min 5.000 PPB m

response 316993827

(27) 1-bromo-2-nitrobenzeneA #2 (I)

2.760min 5.000 PPB m

response 507129004

(+) = Expected Retention Time

8PSTLVI2596a.M Tue Dec 03 19:04:28 2024 Page: 1

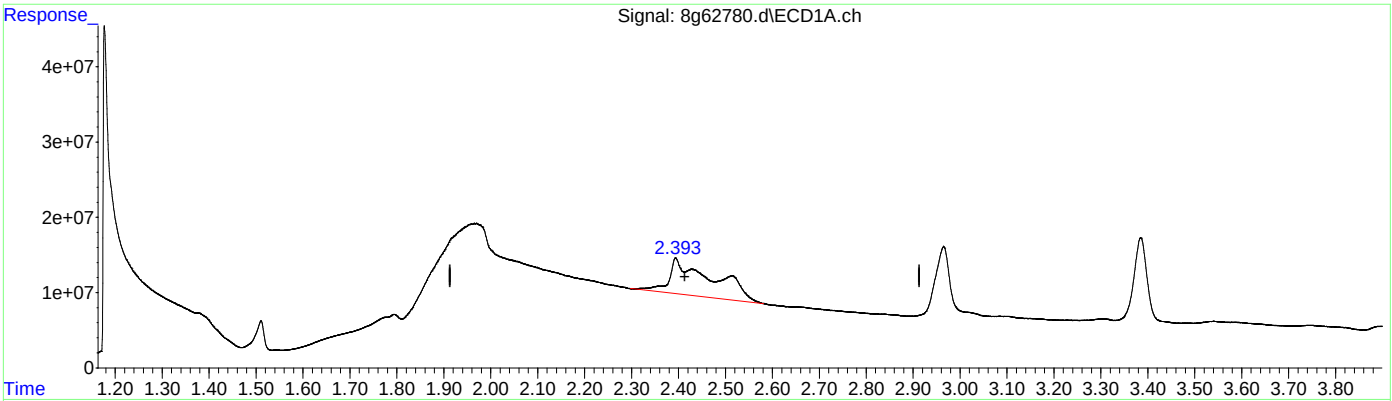
8G62780.D edits: 1-bromo-2-nitrobenzeneA

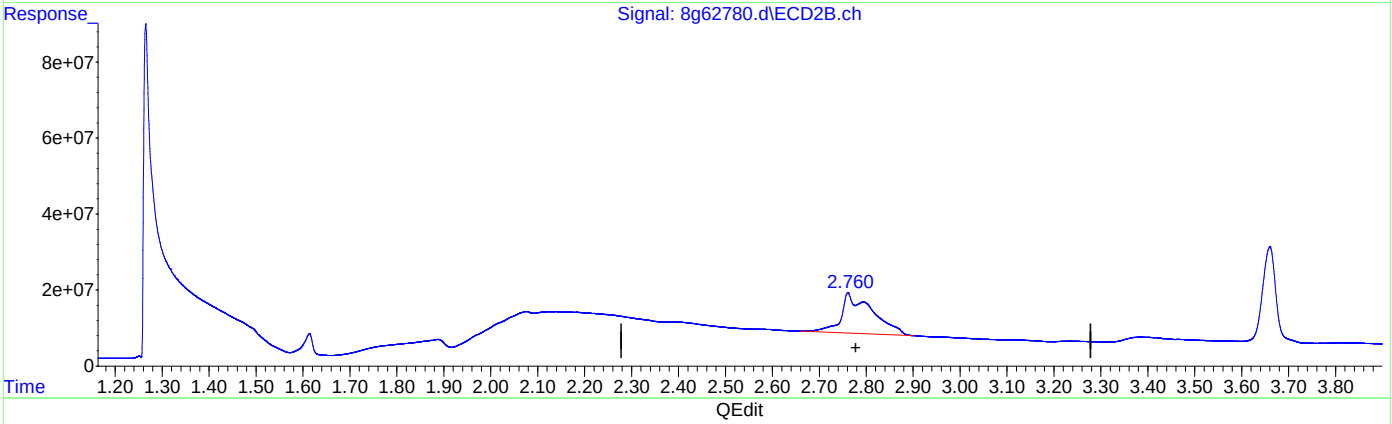
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\
Data File : 8g62780.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 7:30 am
Operator : christp
Sample : je1300-44rr m
Misc : op59833,g8g2700,5.1,,,10,1
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 18:38:22 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\g8g2700_2\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(1) 1-bromo-2-nitrobenzene (I)

2.393min 5.000 PPB m

response 308367844

(1) 1-bromo-2-nitrobenzene #2 (I)

2.760min 5.000 PPB m

response 489641870

(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 19:04:41 2024

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2700\
Data File : 8g62769.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 3:07 am
Operator : christp
Sample : op59833-mb1 m
Misc : op59833,g8g2700,5.0,,,10,1
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 17:52:10 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1) I	1-bromo-2...	2.405	2.769	338.7E6	765.9E6	5.000	5.000
27) I	1-bromo-2...	2.405	2.769	338.7E6	765.9E6	5.000	5.000
33) I	1-bromo-2...	2.405	2.769	338.7E6	765.9E6	5.000	5.000
	System Monitoring Compounds						
2) SAB	Tetrachlo...	2.953	3.651	252.6E6	624.7E6	3.865	3.329
	Spiked Amount	40.000	Range 30 - 150	Recovery	=	9.66%#	8.32%#
26) SA	Decachlor...	10.616	12.997	259.4E6	344.2E6	4.126	3.243
	Spiked Amount	40.000		Recovery	=	10.32%	8.11%
	Target Compounds						
	SemiQuant Compounds - Not Calibrated on this Instrument						

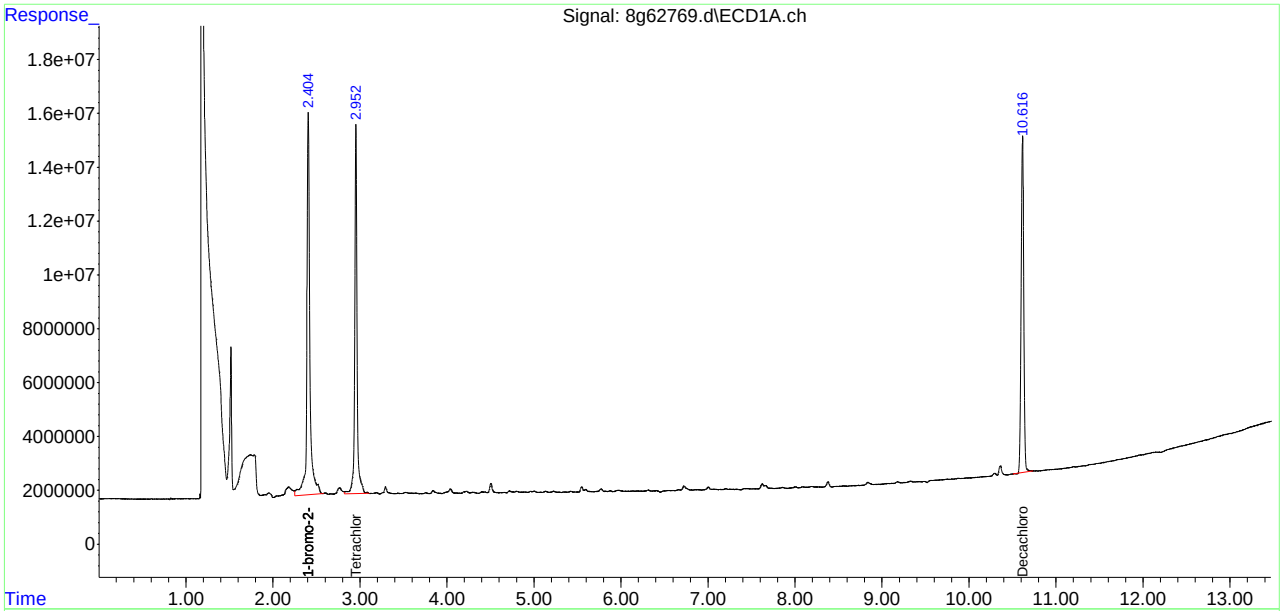
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

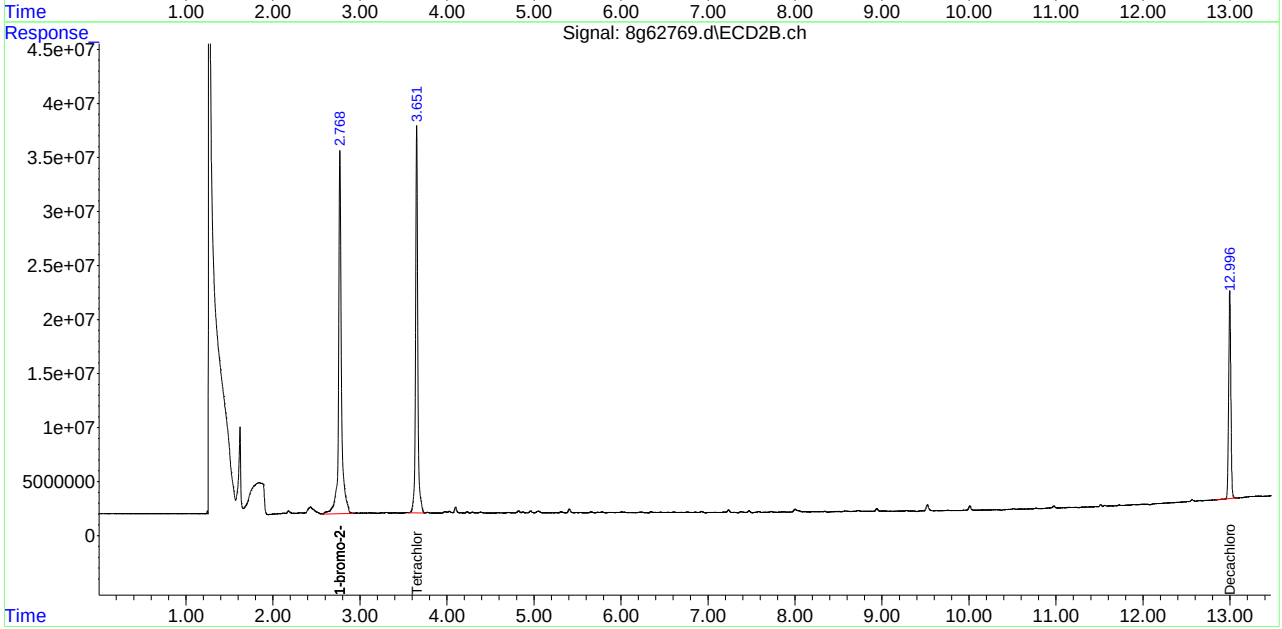
Quantitation Report (QT Reviewed)

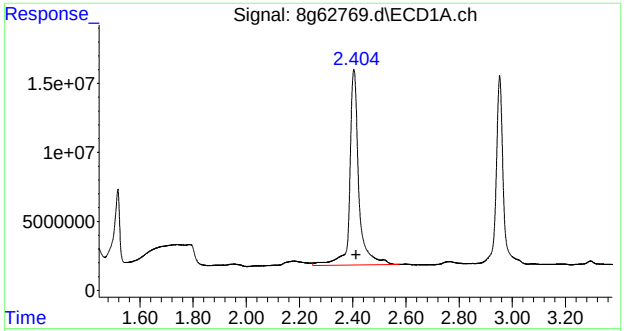
Data Path : C:\msdchem\1\data\g8g2700\
Data File : 8g62769.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 3:07 am
Operator : christp
Sample : op59833-mb1 m
Misc : op59833,g8g2700,5.0,,,10,1
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 17:52:10 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

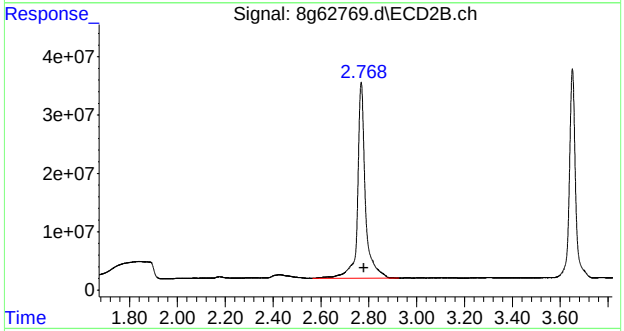






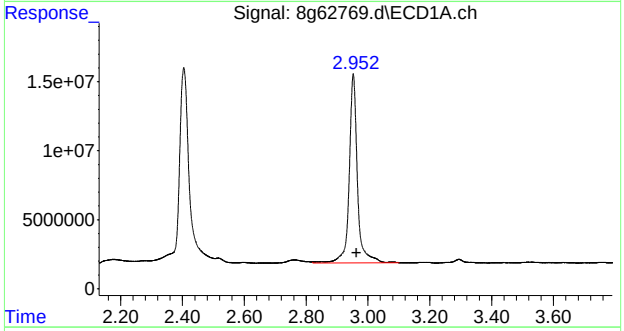
#1 1-bromo-2-nitrobenzene

R.T.: 2.405 min
Delta R.T.: -0.008 min
Response: 338702034
Conc: 5.00 PPB



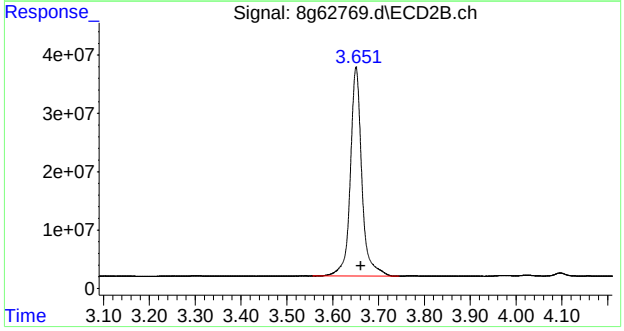
#1 1-bromo-2-nitrobenzene

R.T.: 2.769 min
Delta R.T.: -0.009 min
Response: 765887546
Conc: 5.00 PPB



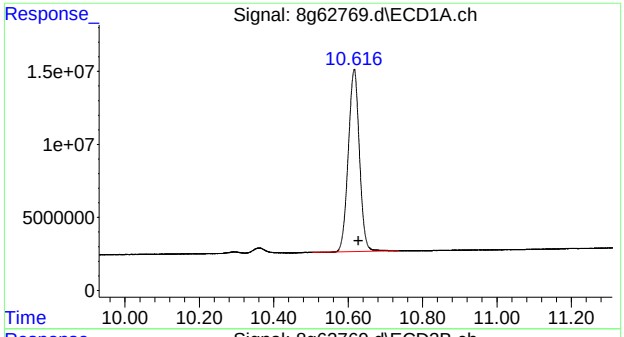
#2 Tetrachloro-m-xylene

R.T.: 2.953 min
Delta R.T.: -0.010 min
Response: 252553738
Conc: 3.86 PPB



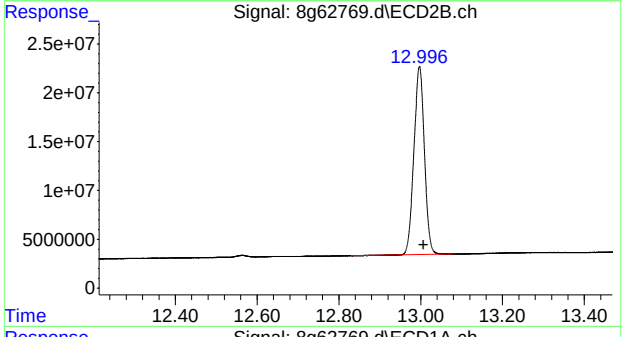
#2 Tetrachloro-m-xylene

R.T.: 3.651 min
Delta R.T.: -0.010 min
Response: 624674573
Conc: 3.33 PPB



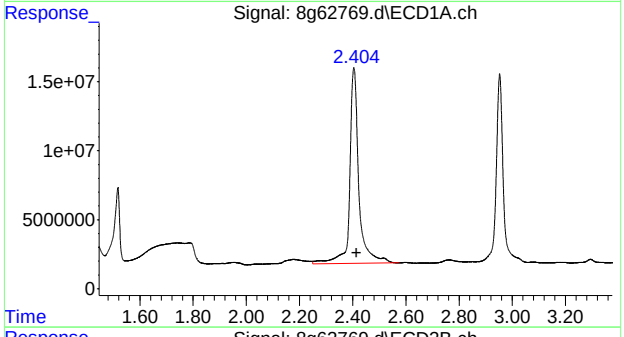
#26 Decachlorobiphenyl

R.T.: 10.616 min
Delta R.T.: -0.011 min
Response: 259354452
Conc: 4.13 PPB



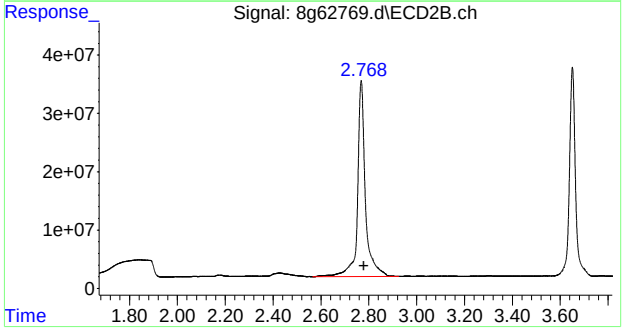
#26 Decachlorobiphenyl

R.T.: 12.997 min
Delta R.T.: -0.010 min
Response: 344241065
Conc: 3.24 PPB



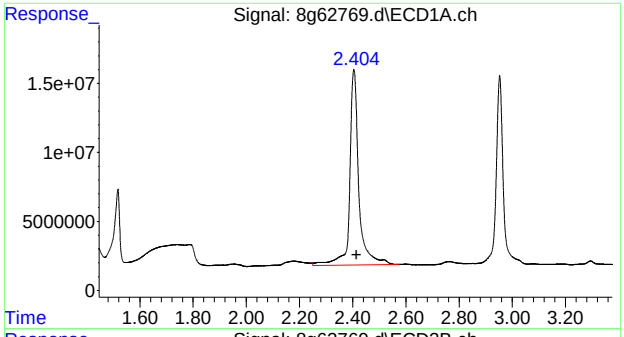
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.405 min
Delta R.T.: -0.009 min
Response: 338702034
Conc: 5.00 PPB



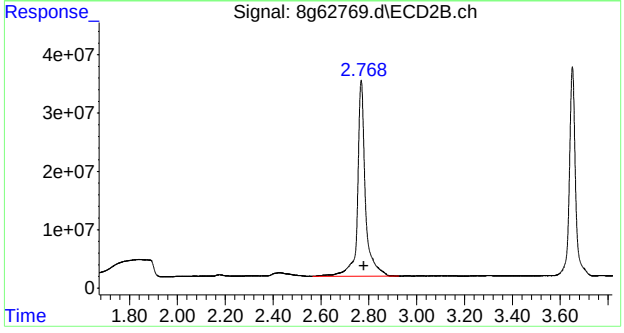
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.769 min
Delta R.T.: -0.009 min
Response: 765887546
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.405 min
Delta R.T.: -0.009 min
Response: 338702034
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.769 min
Delta R.T.: -0.009 min
Response: 765887546
Conc: 5.00 PPB

Manual Integrations APPROVED (compounds with "m" flag)
Syra Marie Pacheco
12/04/24 02:29

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62770.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 3:31 am
Operator : christp
Sample : op59833-bs1 m
Misc : op59833,g8g2700,5.0,,,10,1
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:24:55 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
		Internal Standards						
1)	I	1-bromo-2...	2.408	2.771	336.6E6	771.2E6	5.000	5.000
27)	I	1-bromo-2...	2.408	2.771	336.6E6	771.2E6	5.000	5.000
33)	I	1-bromo-2...	2.408	2.771	336.6E6	771.2E6	5.000	5.000
		System Monitoring Compounds						
2)	SAB	Tetrachlo...	2.955	3.652	250.4E6	645.2E6	3.855m	3.415
		Spiked Amount 40.000	Range 30 - 150		Recovery =		9.64%#	8.54%#
26)	SA	Decachlor...	10.613	12.995	215.5E6	344.5E6	3.449m	3.223m
		Spiked Amount 40.000			Recovery =		8.62%	8.06%
		Target Compounds						
3)		hexachlor...	3.296	4.228	257.1E6	417.4E6	2.514	2.076
4)	A	alpha-BHC	3.443	4.387	233.4E6	524.1E6	2.584	2.233
5)	MA	gamma-BHC	3.758	4.870	217.9E6	463.1E6	2.564	2.231
6)	MA	Heptachlor	4.288	5.530	222.4E6	404.4E6	2.540	2.205
7)	B	beta-BHC	3.838	4.958	102.8E6	227.1E6	2.561	2.144
8)	B	delta-BHC	4.041	5.405	232.2E6	461.8E6	2.721m	2.296
9)	MB	Aldrin	4.652	6.039	202.2E6	429.6E6	2.613	2.263
10)		alachlor	4.795	5.780	31698215	64672226	2.735	2.283
11)	B	Heptachlo...	5.422	6.924	199.3E6	406.0E6	2.610	2.264
12)	B	gamma-Chl...	5.595	7.233	200.1E6	412.7E6	2.459	2.328
13)	B	alpha-Chl...	5.776	7.472	203.1E6	400.7E6	2.680	2.275
14)	A	Endosulfan I	5.974	7.583	175.4E6	360.4E6	2.477	2.233
15)	B	4,4'-DDE	5.880	7.723	208.6E6	415.0E6	2.689	2.430
16)	MA	Dieldrin	6.315	8.043	200.7E6	419.1E6	2.603	2.296
17)	MA	Endrin	6.661	8.579	188.6E6	344.9E6	3.102	2.622
18)	A	4,4'-DDD	6.767	8.718	169.0E6	350.0E6	2.602	2.332
19)	B	Endosulfa...	7.003	8.938	178.4E6	342.6E6	2.630	2.245
20)	MA	4,4'-DDT	7.204	9.280	169.0E6	281.4E6	2.577	2.266
21)	B	Endrin Al...	7.660	9.523	147.7E6	272.5E6	2.649m	2.274
22)	B	Endosulfa...	8.378	10.007	171.7E6	302.5E6	2.721	2.193
23)	A	Methoxychlor	8.000	10.508	99210176	136.5E6	2.602	2.213
24)		Mirex	8.199	10.941	148.2E6	214.6E6	2.563	2.426m
25)	B	Endrin Ke...	8.835	10.970	201.5E6	370.5E6	2.523	1.967m

SemiQuant Compounds - Not Calibrated on this Instrument

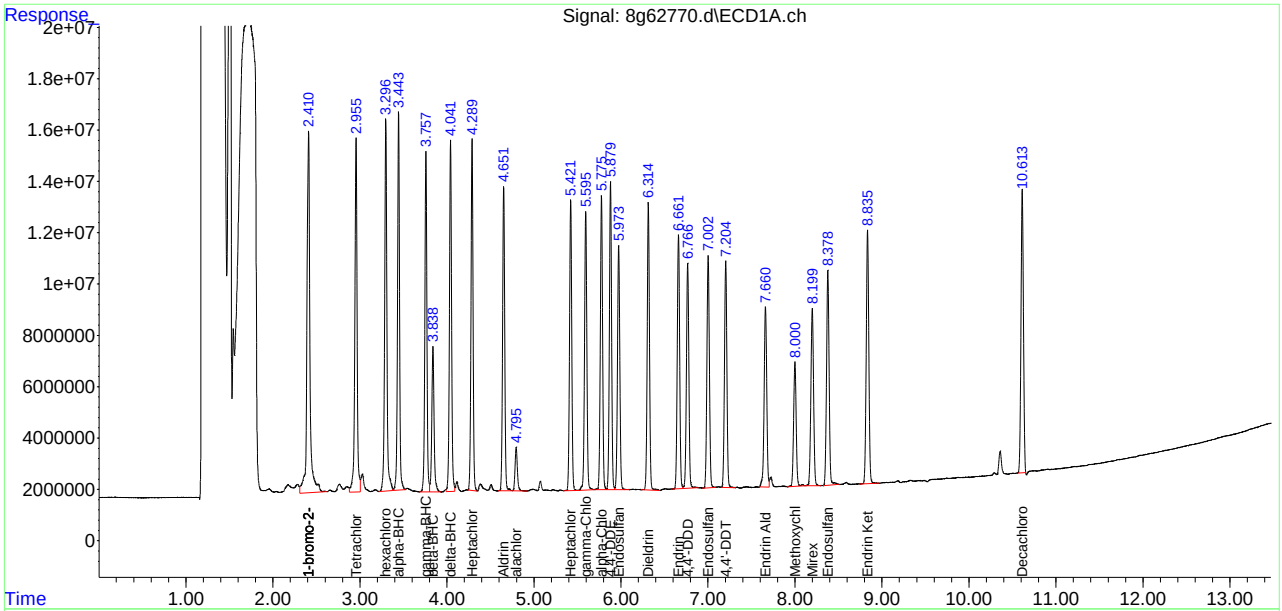
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

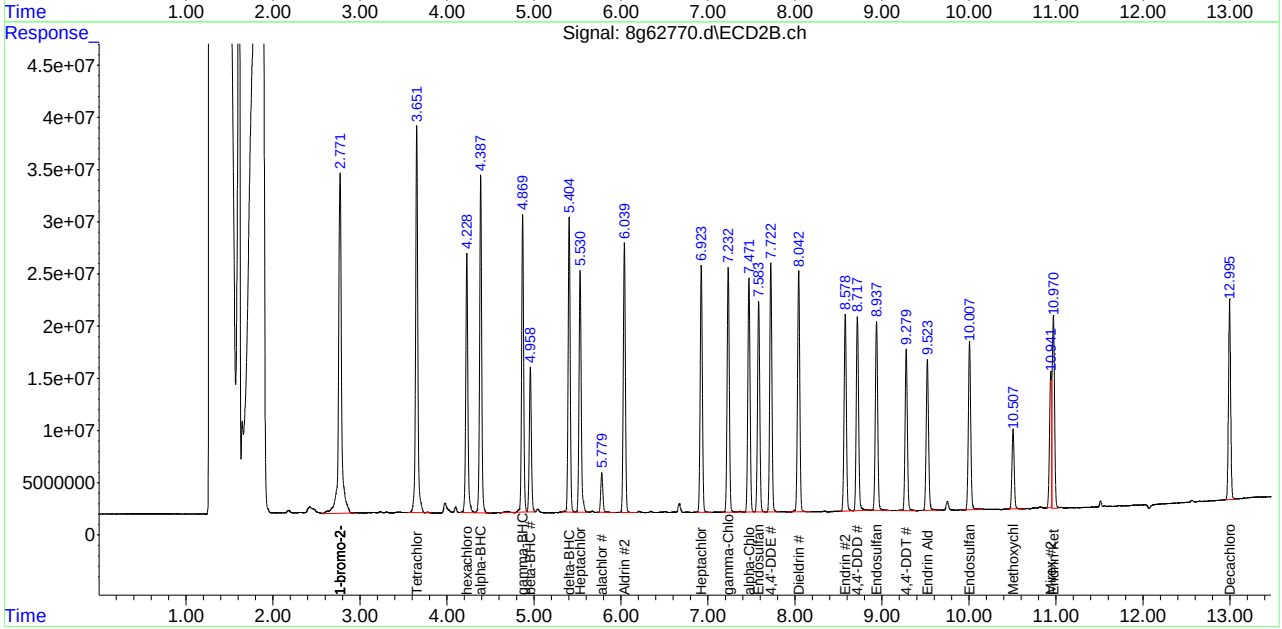
Quantitation Report (QT Reviewed)

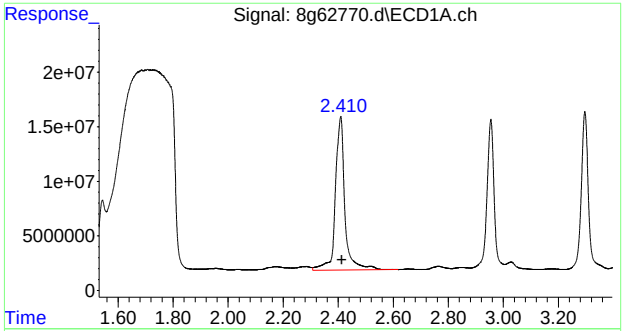
Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62770.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 3:31 am
Operator : christp
Sample : op59833-bs1 m
Misc : op59833,g8g2700,5.0,,,10,1
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:24:55 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

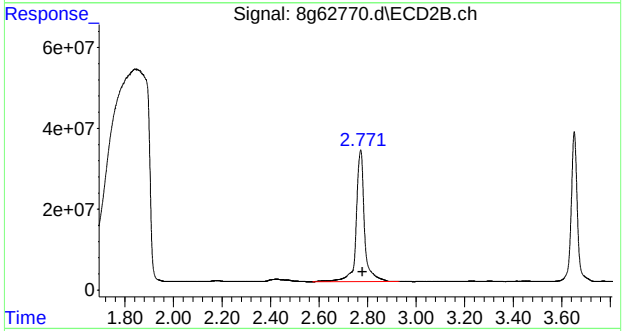






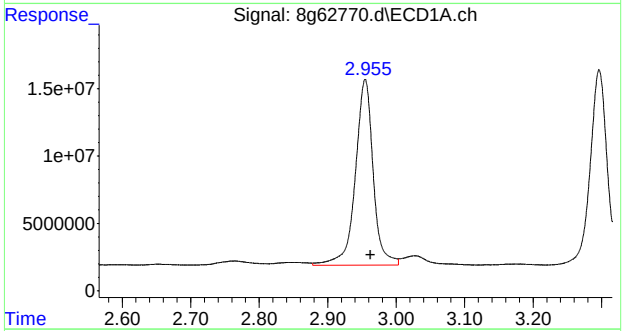
#1 1-bromo-2-nitrobenzene

R.T.: 2.408 min
Delta R.T.: -0.005 min
Response: 336584189
Conc: 5.00 PPB



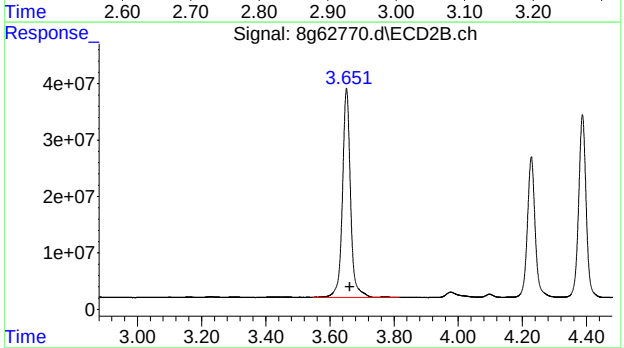
#1 1-bromo-2-nitrobenzene

R.T.: 2.771 min
Delta R.T.: -0.008 min
Response: 771169372
Conc: 5.00 PPB



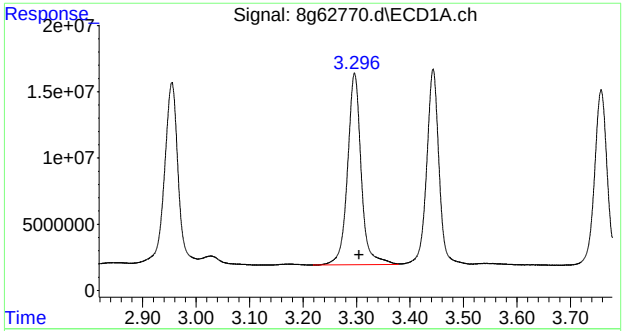
#2 Tetrachloro-m-xylene

R.T.: 2.955 min
Delta R.T.: -0.007 min
Response: 250366484
Conc: 3.86 PPB m



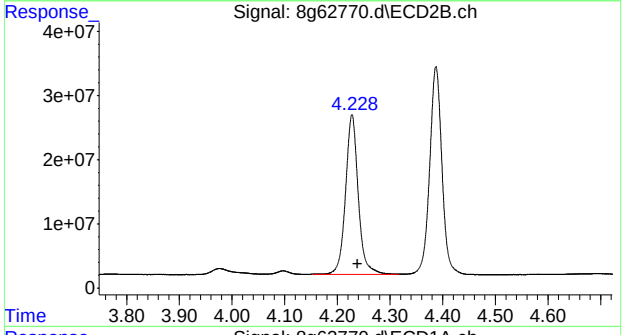
#2 Tetrachloro-m-xylene

R.T.: 3.652 min
Delta R.T.: -0.010 min
Response: 645248941
Conc: 3.42 PPB



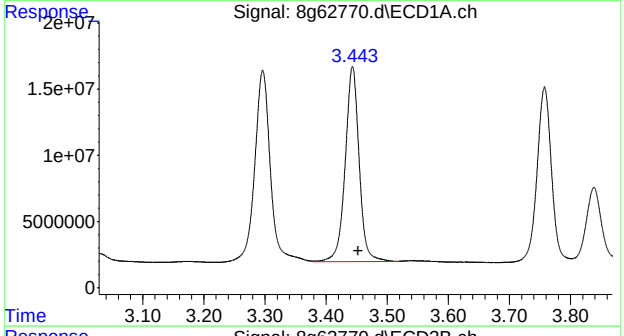
#3 hexachlorobenzene

R.T.: 3.296 min
Delta R.T.: -0.008 min
Response: 257144602
Conc: 2.51 PPB



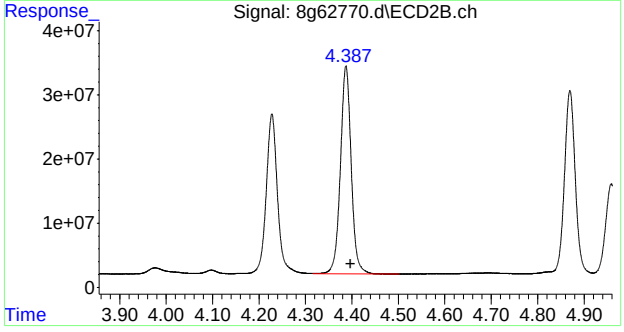
#3 hexachlorobenzene

R.T.: 4.228 min
Delta R.T.: -0.011 min
Response: 417398506
Conc: 2.08 PPB



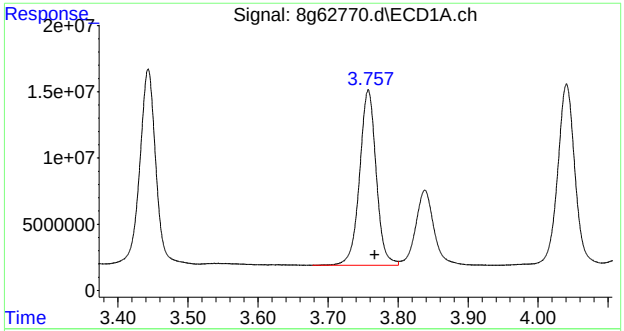
#4 alpha-BHC

R.T.: 3.443 min
Delta R.T.: -0.009 min
Response: 233417180
Conc: 2.58 PPB



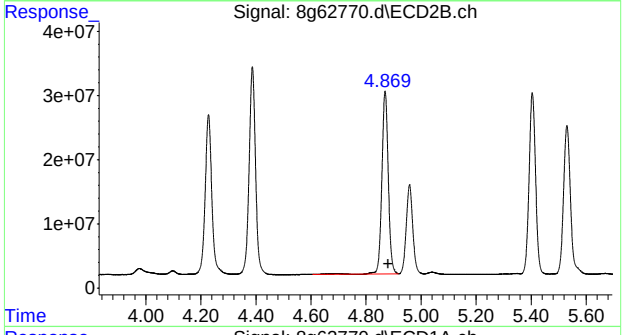
#4 alpha-BHC

R.T.: 4.387 min
Delta R.T.: -0.010 min
Response: 524136902
Conc: 2.23 PPB



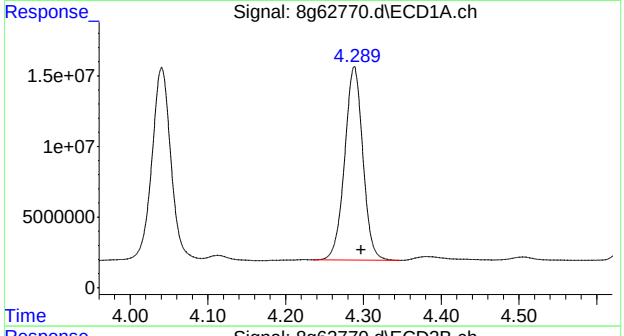
#5 gamma-BHC

R.T.: 3.758 min
Delta R.T.: -0.009 min
Response: 217862262
Conc: 2.56 PPB



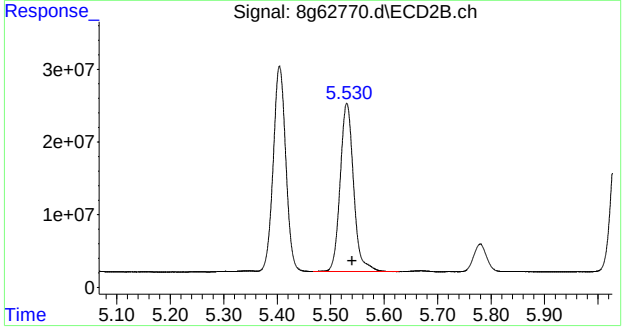
#5 gamma-BHC

R.T.: 4.870 min
Delta R.T.: -0.010 min
Response: 463110626
Conc: 2.23 PPB



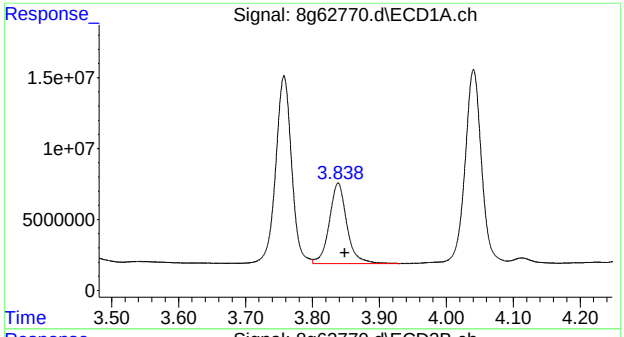
#6 Heptachlor

R.T.: 4.288 min
Delta R.T.: -0.009 min
Response: 222404302
Conc: 2.54 PPB



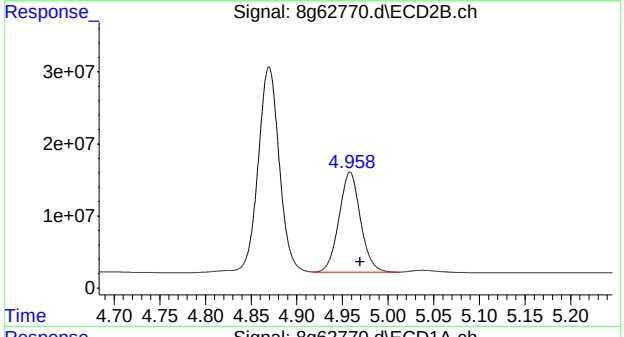
#6 Heptachlor

R.T.: 5.530 min
Delta R.T.: -0.010 min
Response: 404370256
Conc: 2.21 PPB



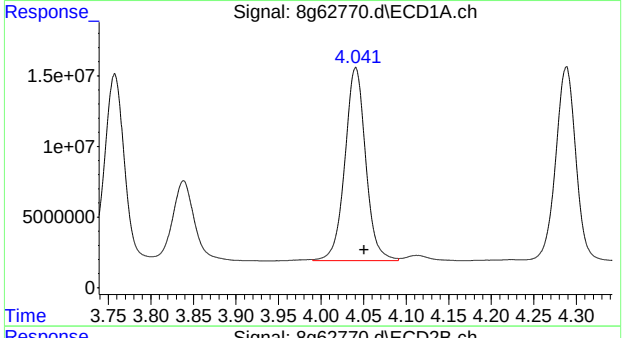
#7 beta-BHC

R.T.: 3.838 min
Delta R.T.: -0.010 min
Response: 102789070
Conc: 2.56 PPB



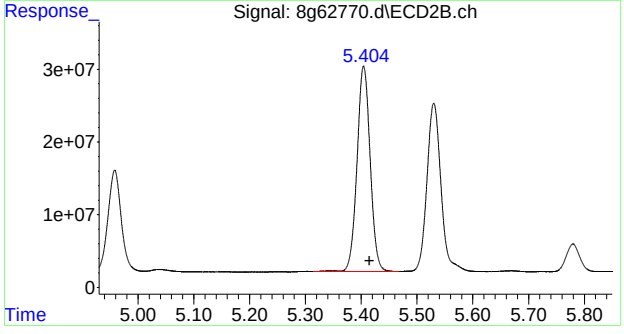
#7 beta-BHC

R.T.: 4.958 min
Delta R.T.: -0.011 min
Response: 227092910
Conc: 2.14 PPB



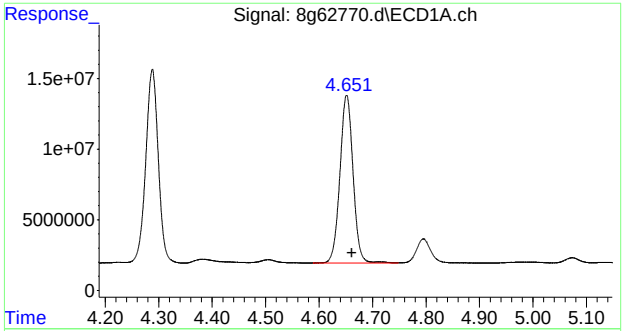
#8 delta-BHC

R.T.: 4.041 min
Delta R.T.: -0.010 min
Response: 232179903
Conc: 2.72 PPB m



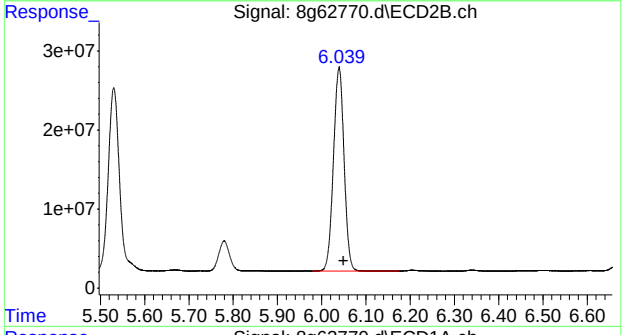
#8 delta-BHC

R.T.: 5.405 min
Delta R.T.: -0.010 min
Response: 461818337
Conc: 2.30 PPB



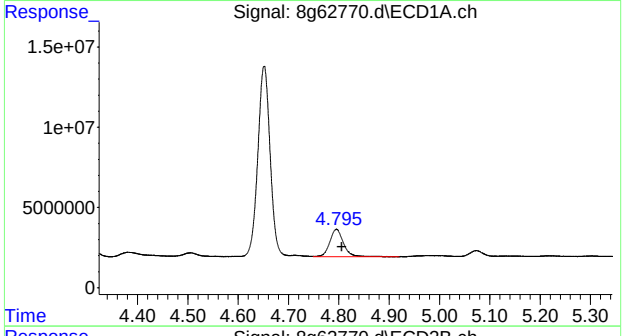
#9 Aldrin

R.T.: 4.652 min
Delta R.T.: -0.010 min
Response: 202185964
Conc: 2.61 PPB



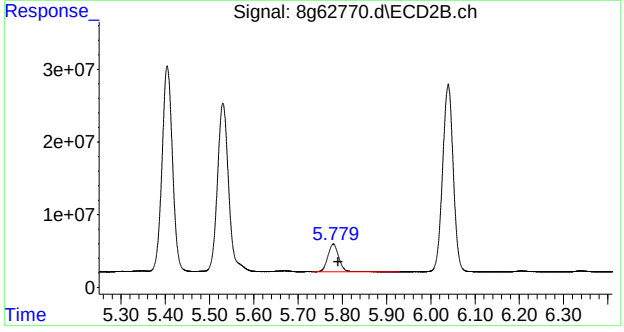
#9 Aldrin

R.T.: 6.039 min
Delta R.T.: -0.010 min
Response: 429580242
Conc: 2.26 PPB



#10 alachlor

R.T.: 4.795 min
Delta R.T.: -0.011 min
Response: 31698215
Conc: 2.73 PPB

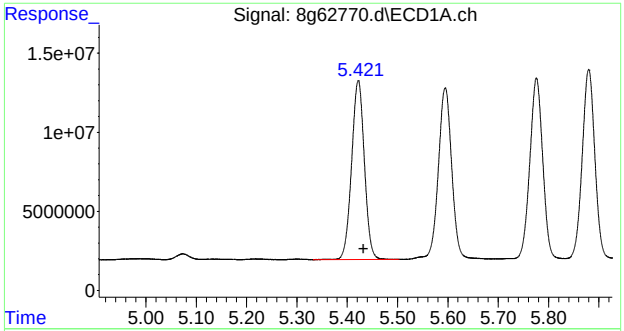


#10 alachlor

R.T.: 5.780 min
Delta R.T.: -0.011 min
Response: 64672226
Conc: 2.28 PPB

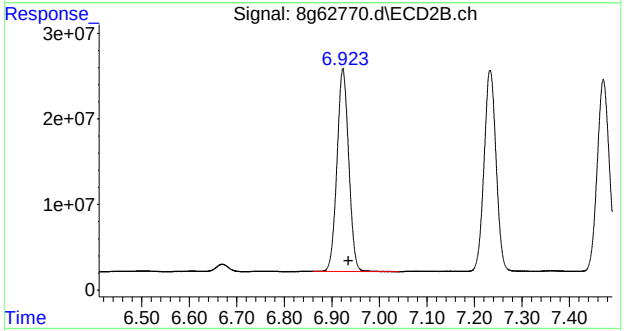
7.3.1

7



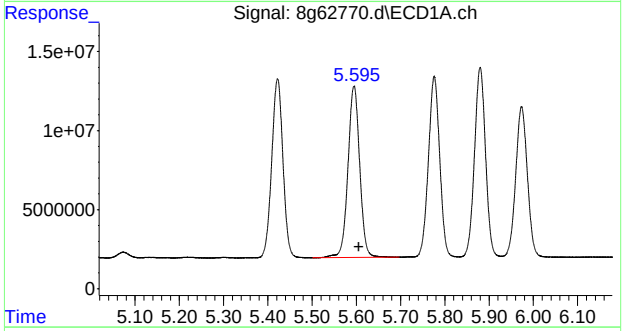
#11 Heptachlor Epoxide

R.T.: 5.422 min
Delta R.T.: -0.010 min
Response: 199270746
Conc: 2.61 PPB



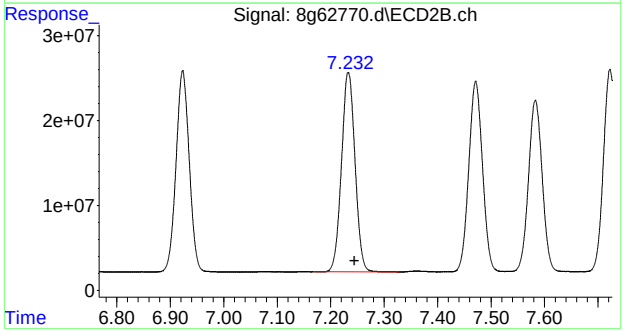
#11 Heptachlor Epoxide

R.T.: 6.924 min
Delta R.T.: -0.011 min
Response: 406029313
Conc: 2.26 PPB



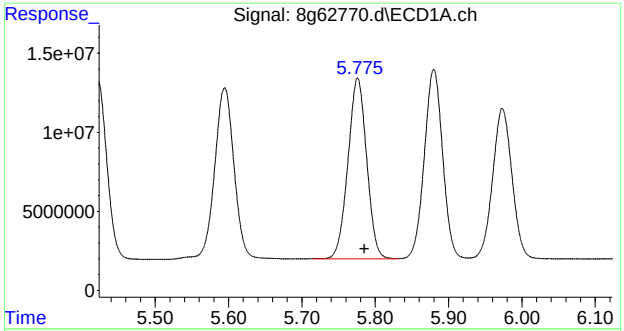
#12 gamma-Chlordane

R.T.: 5.595 min
Delta R.T.: -0.010 min
Response: 200112431
Conc: 2.46 PPB



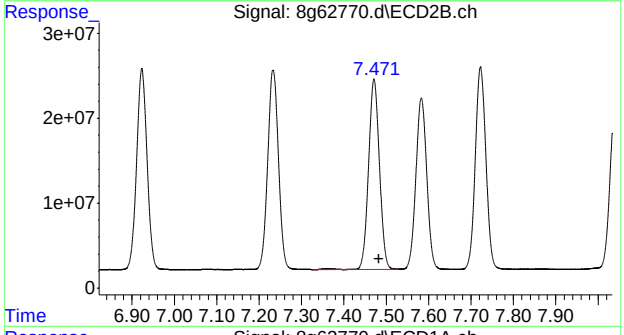
#12 gamma-Chlordane

R.T.: 7.233 min
Delta R.T.: -0.011 min
Response: 412748956
Conc: 2.33 PPB



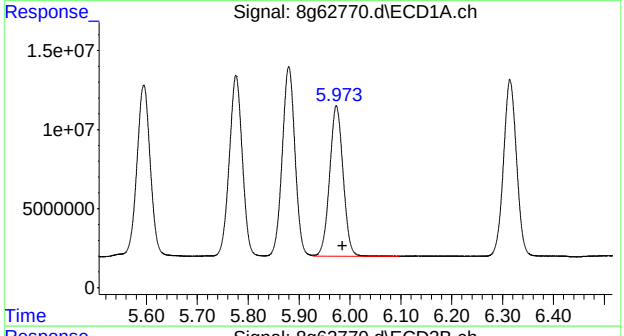
#13 alpha-Chlordane

R.T.: 5.776 min
Delta R.T.: -0.009 min
Response: 203117631
Conc: 2.68 PPB



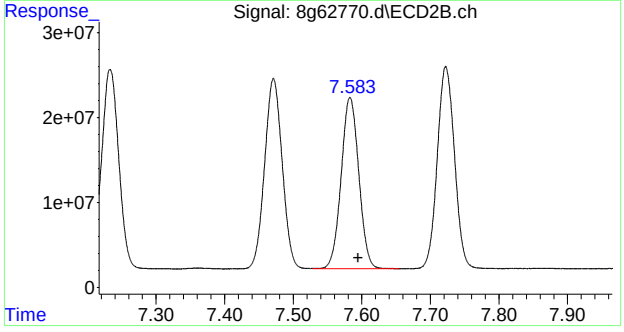
#13 alpha-Chlordane

R.T.: 7.472 min
Delta R.T.: -0.011 min
Response: 400745238
Conc: 2.28 PPB



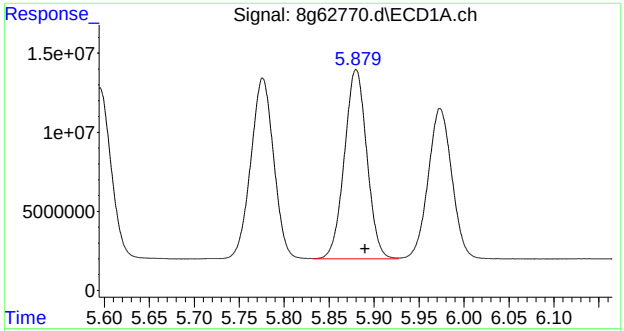
#14 Endosulfan I

R.T.: 5.974 min
Delta R.T.: -0.011 min
Response: 175383159
Conc: 2.48 PPB



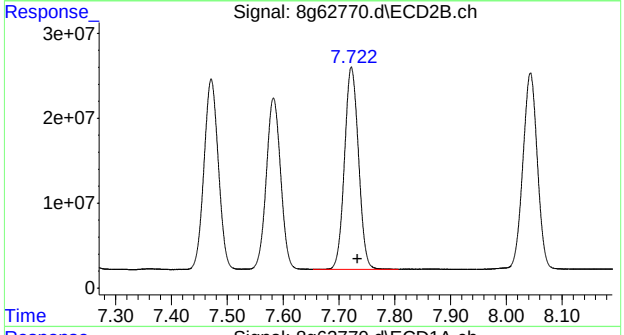
#14 Endosulfan I

R.T.: 7.583 min
Delta R.T.: -0.011 min
Response: 360418572
Conc: 2.23 PPB



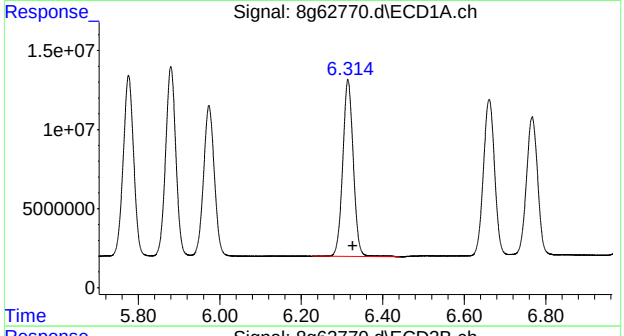
#15 4,4'-DDE

R.T.: 5.880 min
Delta R.T.: -0.010 min
Response: 208599812
Conc: 2.69 PPB



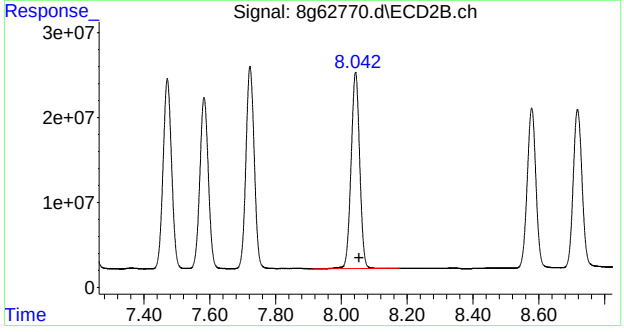
#15 4,4'-DDE

R.T.: 7.723 min
Delta R.T.: -0.011 min
Response: 414961663
Conc: 2.43 PPB



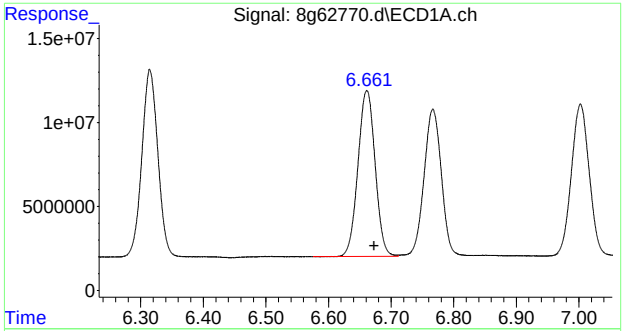
#16 Dieldrin

R.T.: 6.315 min
Delta R.T.: -0.011 min
Response: 200745762
Conc: 2.60 PPB



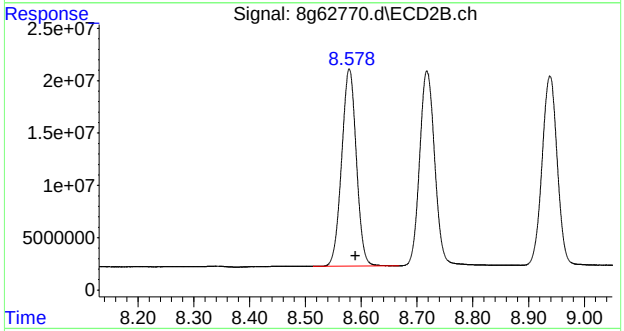
#16 Dieldrin

R.T.: 8.043 min
Delta R.T.: -0.011 min
Response: 419102393
Conc: 2.30 PPB



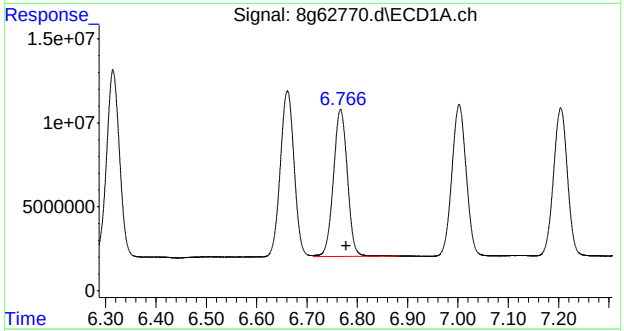
#17 Endrin

R.T.: 6.661 min
Delta R.T.: -0.012 min
Response: 188624510
Conc: 3.10 PPB



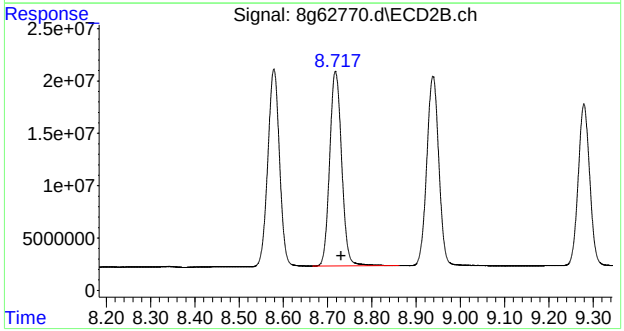
#17 Endrin

R.T.: 8.579 min
Delta R.T.: -0.010 min
Response: 344869620
Conc: 2.62 PPB



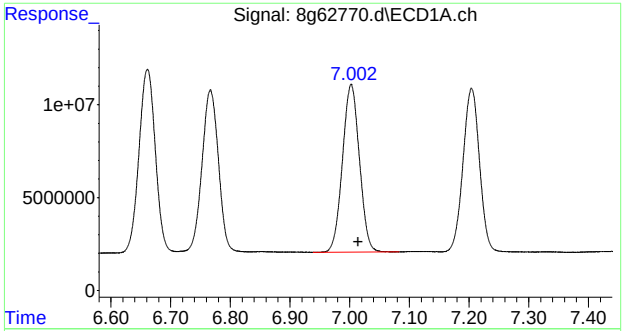
#18 4,4'-DDD

R.T.: 6.767 min
Delta R.T.: -0.011 min
Response: 169019386
Conc: 2.60 PPB



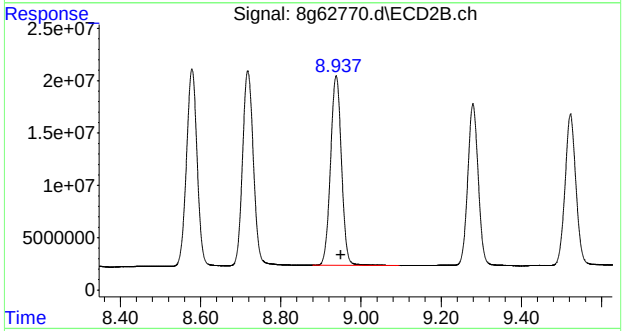
#18 4,4'-DDD

R.T.: 8.718 min
Delta R.T.: -0.012 min
Response: 350027903
Conc: 2.33 PPB



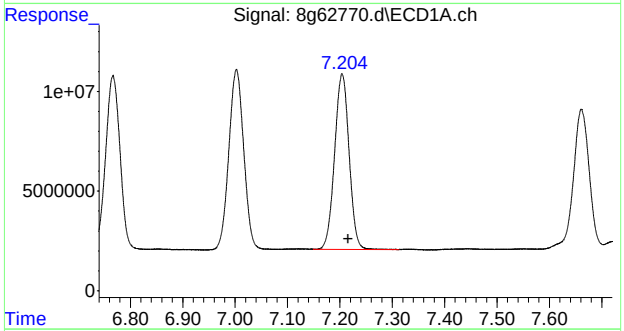
#19 Endosulfan II

R.T.: 7.003 min
Delta R.T.: -0.012 min
Response: 178374964
Conc: 2.63 PPB



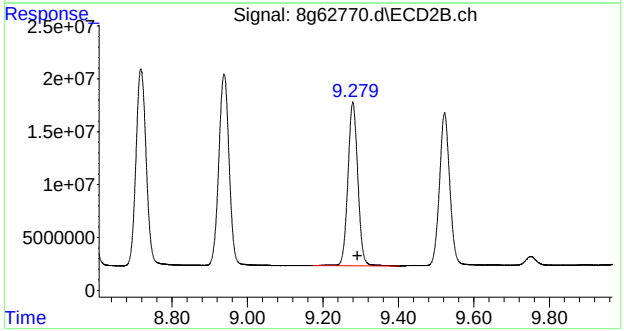
#19 Endosulfan II

R.T.: 8.938 min
Delta R.T.: -0.011 min
Response: 342599263
Conc: 2.24 PPB



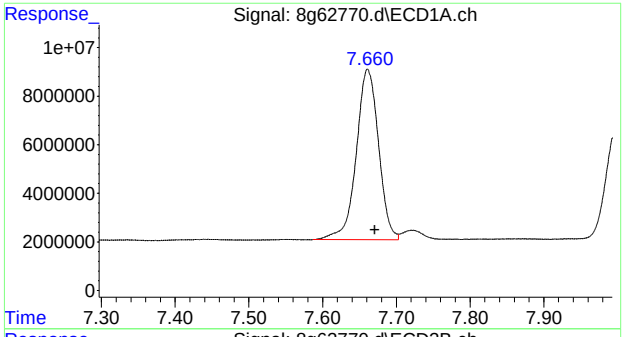
#20 4,4'-DDT

R.T.: 7.204 min
Delta R.T.: -0.011 min
Response: 168984173
Conc: 2.58 PPB



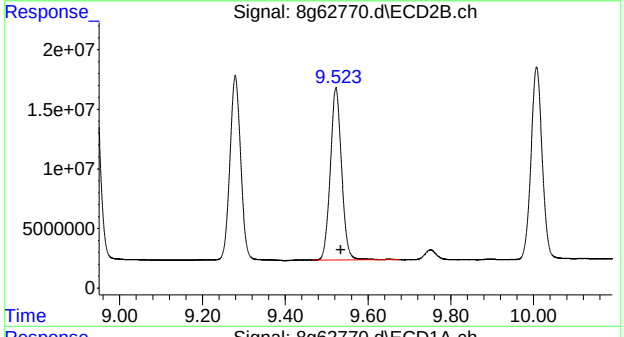
#20 4,4'-DDT

R.T.: 9.280 min
Delta R.T.: -0.012 min
Response: 281435696
Conc: 2.27 PPB



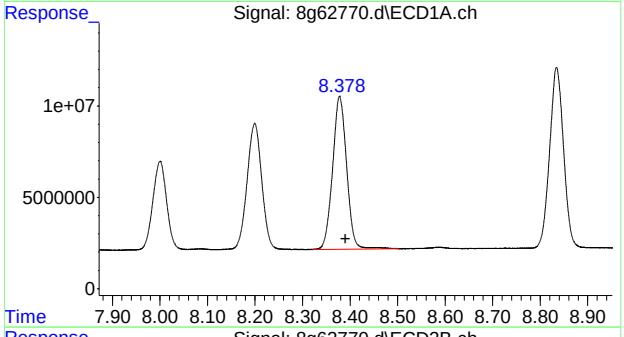
#21 Endrin Aldehyde

R.T.: 7.660 min
Delta R.T.: -0.010 min
Response: 147730799
Conc: 2.65 PPB m



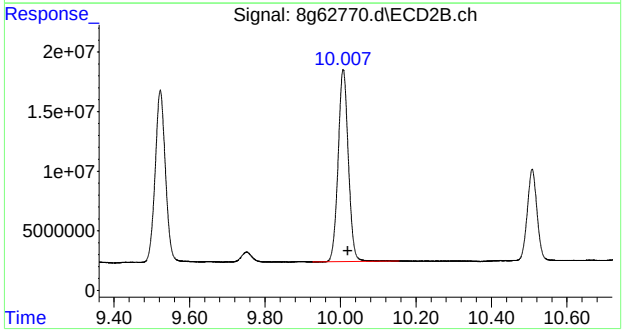
#21 Endrin Aldehyde

R.T.: 9.523 min
Delta R.T.: -0.011 min
Response: 272488950
Conc: 2.27 PPB



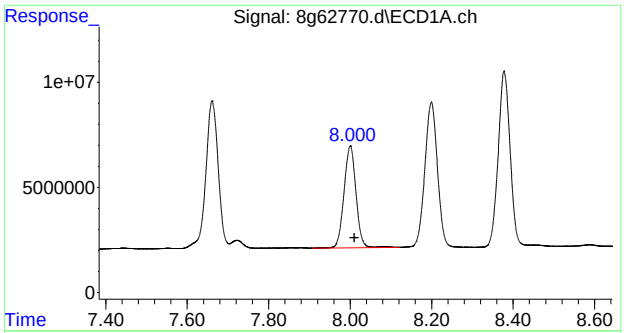
#22 Endosulfan Sulfate

R.T.: 8.378 min
Delta R.T.: -0.012 min
Response: 171653671
Conc: 2.72 PPB



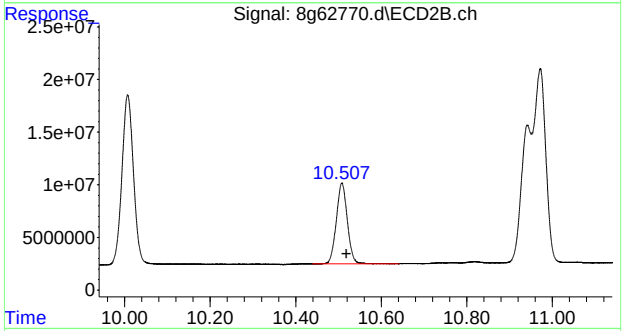
#22 Endosulfan Sulfate

R.T.: 10.007 min
Delta R.T.: -0.012 min
Response: 302533812
Conc: 2.19 PPB



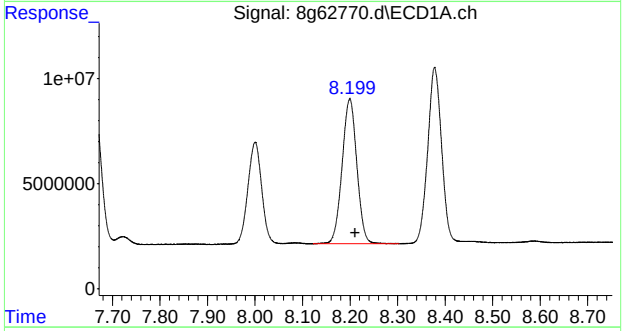
#23 Methoxychlor

R.T.: 8.000 min
Delta R.T.: -0.010 min
Response: 99210176
Conc: 2.60 PPB



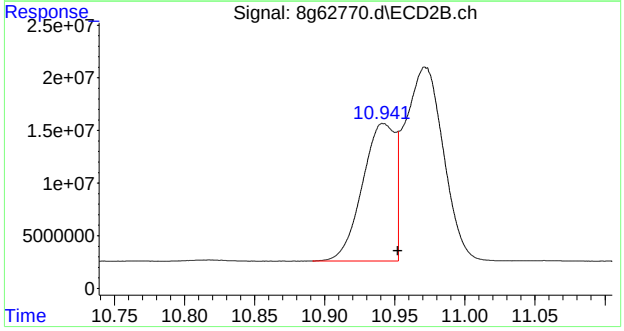
#23 Methoxychlor

R.T.: 10.508 min
Delta R.T.: -0.011 min
Response: 136516893
Conc: 2.21 PPB



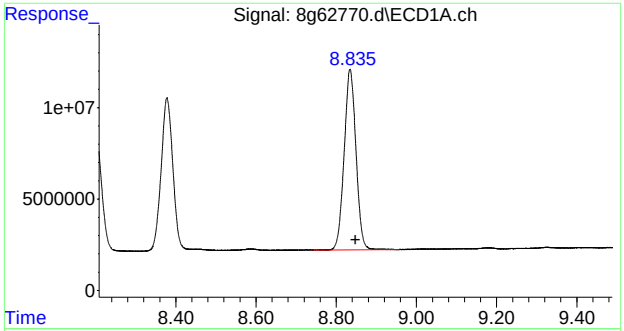
#24 Mirex

R.T.: 8.199 min
Delta R.T.: -0.011 min
Response: 148214339
Conc: 2.56 PPB



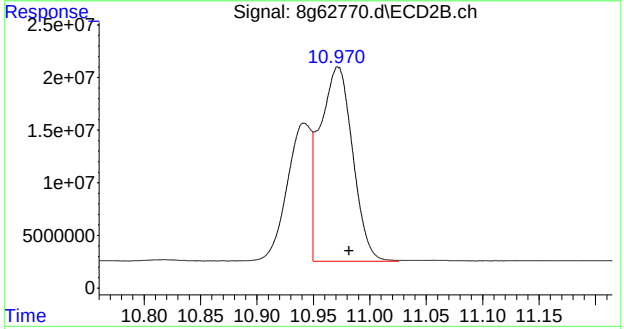
#24 Mirex

R.T.: 10.941 min
Delta R.T.: -0.011 min
Response: 214553948
Conc: 2.43 PPB m



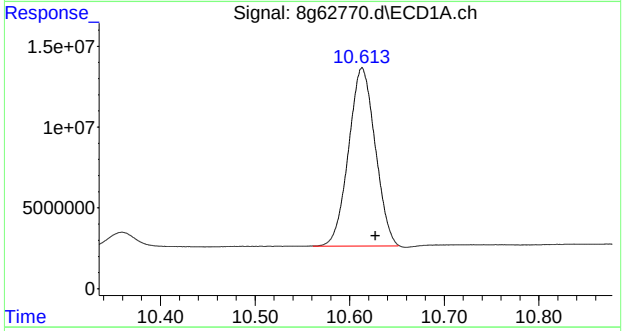
#25 Endrin Ketone

R.T.: 8.835 min
Delta R.T.: -0.013 min
Response: 201494457
Conc: 2.52 PPB



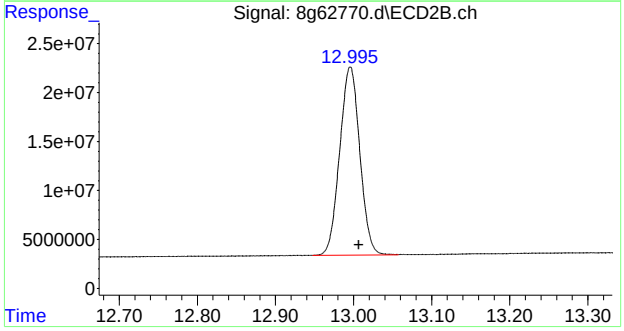
#25 Endrin Ketone

R.T.: 10.970 min
Delta R.T.: -0.011 min
Response: 370492875
Conc: 1.97 PPB m



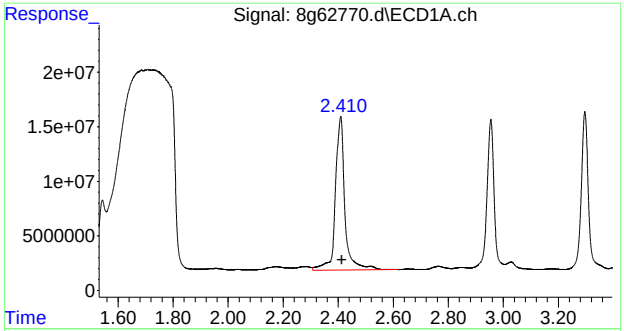
#26 Decachlorobiphenyl

R.T.: 10.613 min
Delta R.T.: -0.014 min
Response: 215460858
Conc: 3.45 PPB m



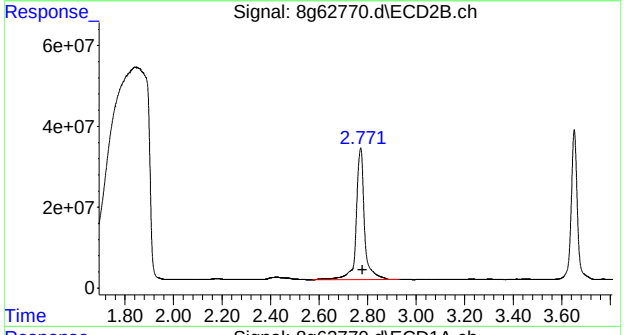
#26 Decachlorobiphenyl

R.T.: 12.995 min
Delta R.T.: -0.011 min
Response: 344489154
Conc: 3.22 PPB m



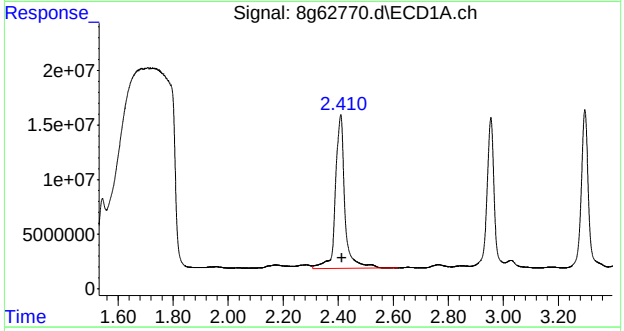
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.408 min
Delta R.T.: -0.006 min
Response: 336584189
Conc: 5.00 PPB



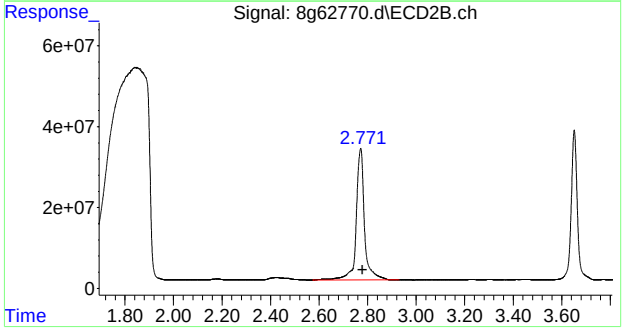
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.771 min
Delta R.T.: -0.008 min
Response: 771169372
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.408 min
Delta R.T.: -0.006 min
Response: 336584189
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.771 min
Delta R.T.: -0.008 min
Response: 771169372
Conc: 5.00 PPB

Manual Integration Approval Summary

Sample Number: OP59833-BS1
Lab FileID: 8G62770.D
Injection Time: 12/03/24 03:31
Method: SW846 8081B
Analyst approved: 12/03/24 08:06 Christopher Changho
Supervisor approved: 12/04/24 02:29 Syra Marie Pacheco

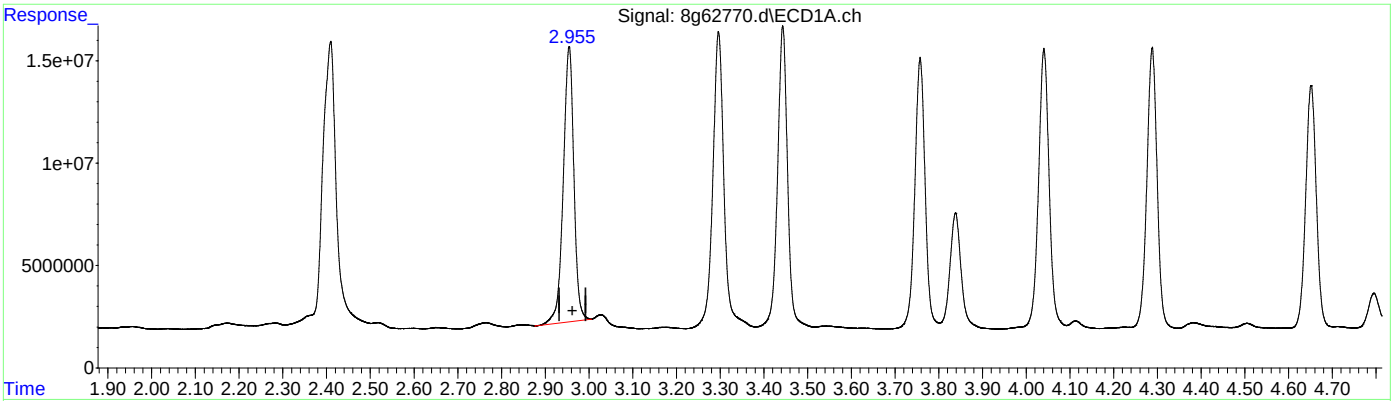
Parameter	CAS	Sig#	R.T. (min.)	Reason
Tetrachloro-m-xylene	877-09-8	1	2.96	Poorly defined baseline
delta-BHC	319-86-8	1	4.04	Poorly defined baseline
Endrin aldehyde	7421-93-4	1	7.66	Poorly defined baseline
Decachlorobiphenyl	2051-24-3	1	10.61	Poorly defined baseline
Mirex	2385-85-5	2	10.94	Poorly defined baseline
Endrin ketone	53494-70-5	2	10.97	Poorly defined baseline
Decachlorobiphenyl	2051-24-3	2	12.99	Poorly defined baseline

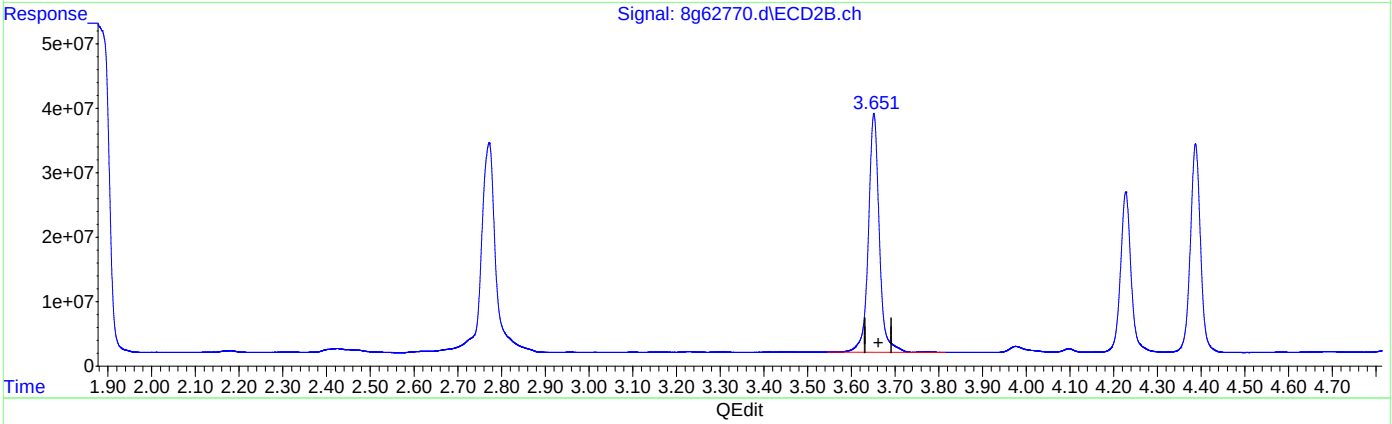
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62770.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 3:31 am
Operator : christp
Sample : op59833-bs1 m
Misc : op59833,g8g2700,5.0,,,10,1
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:05:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(2) Tetrachloro-m-xylene (SAB)

2.954min 3.491 PPB

response 226673382

(2) Tetrachloro-m-xylene #2 (SAB)

3.652min 3.415 PPB

response 645248941

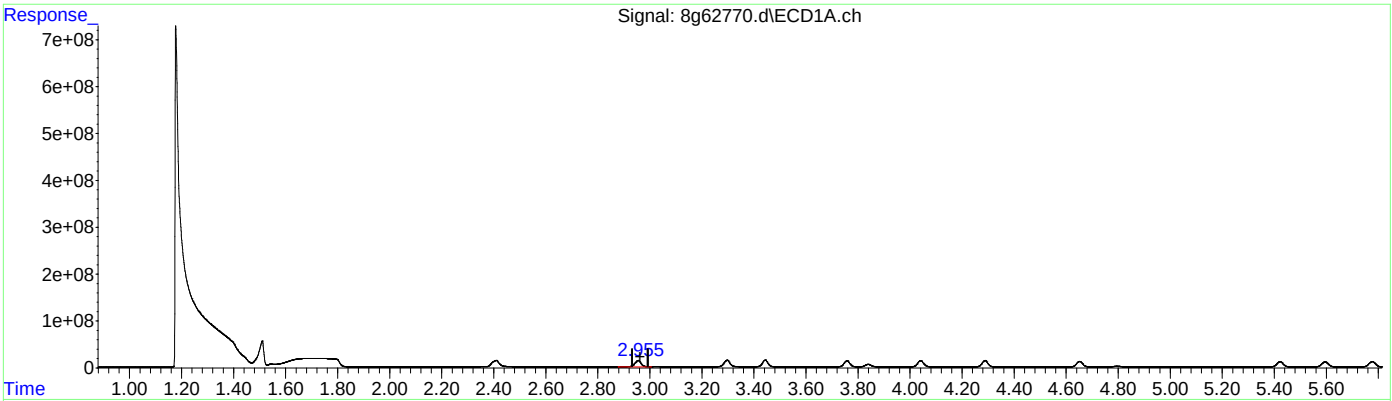
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:23:05 2024

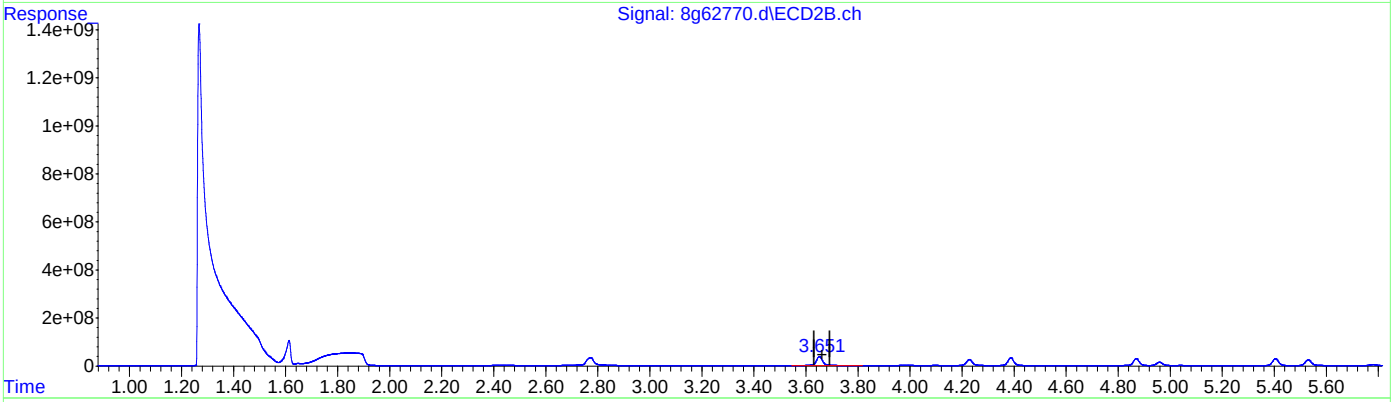
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62770.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 3:31 am
Operator : christp
Sample : op59833-bs1 m
Misc : op59833,g8g2700,5.0,,,10,1
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:05:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(2) Tetrachloro-m-xylene (SAB)

2.955min 3.855 PPB m

response 250366484

(2) Tetrachloro-m-xylene #2 (SAB)

3.652min 3.415 PPB

response 645248941

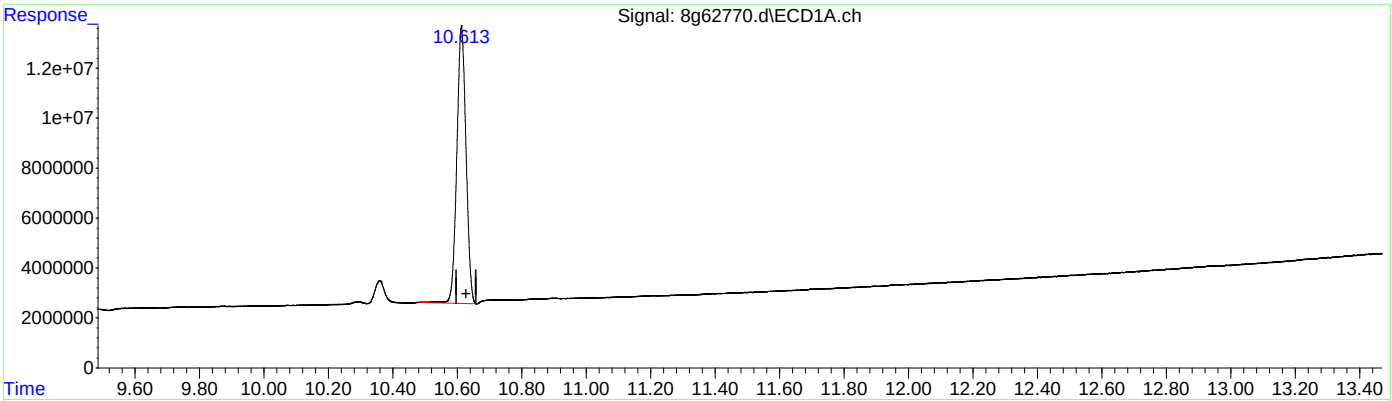
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:23:13 2024

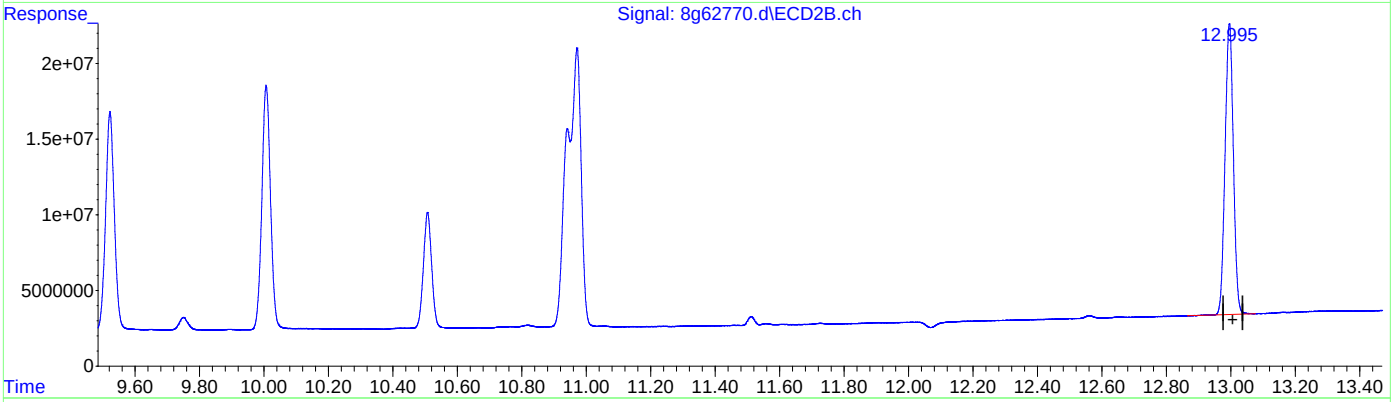
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62770.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 3:31 am
Operator : christp
Sample : op59833-bs1 m
Misc : op59833,g8g2700,5.0,,,10,1
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:05:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(26) Decachlorobiphenyl (SA)

10.613min 3.519 PPB

response 219831257

(26) Decachlorobiphenyl #2 (SA)

12.996min 3.208 PPB

response 342831942

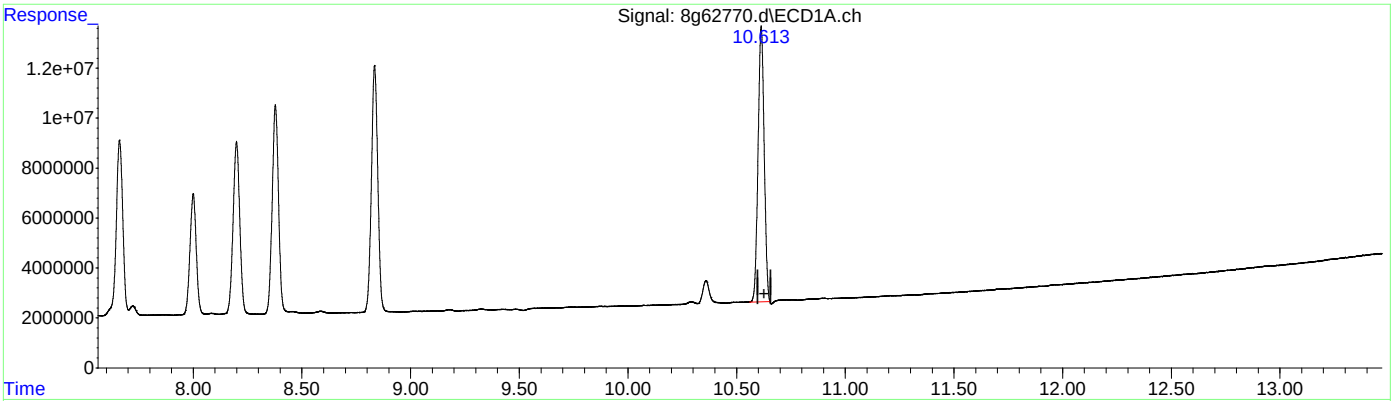
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:23:35 2024

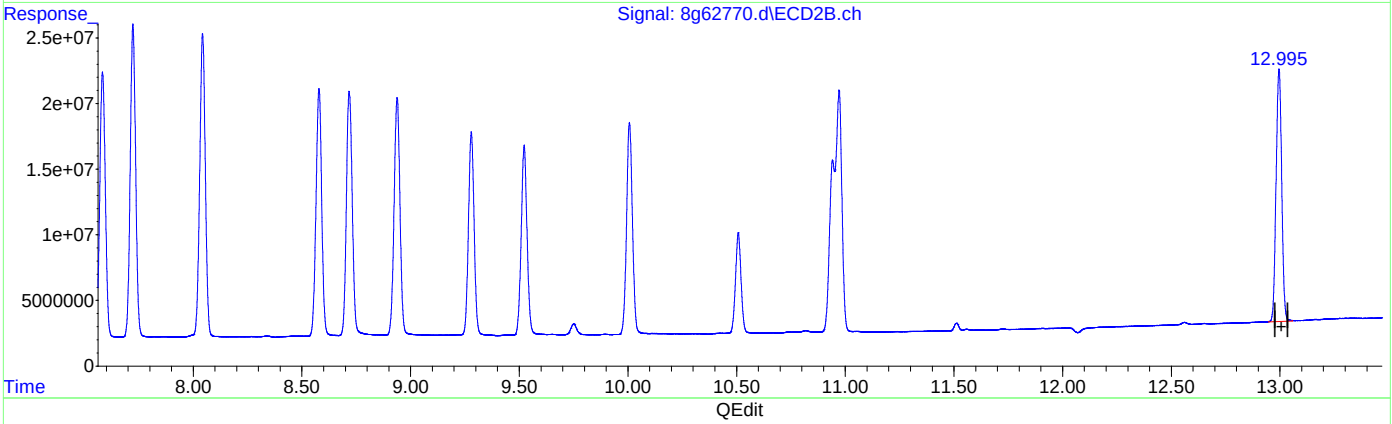
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62770.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 3:31 am
Operator : christp
Sample : op59833-bs1 m
Misc : op59833,g8g2700,5.0,,,10,1
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:05:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(26) Decachlorobiphenyl (SA)

10.613min 3.449 PPB m

response 215460858

(26) Decachlorobiphenyl #2 (SA)

12.995min 3.223 PPB m

response 344489154

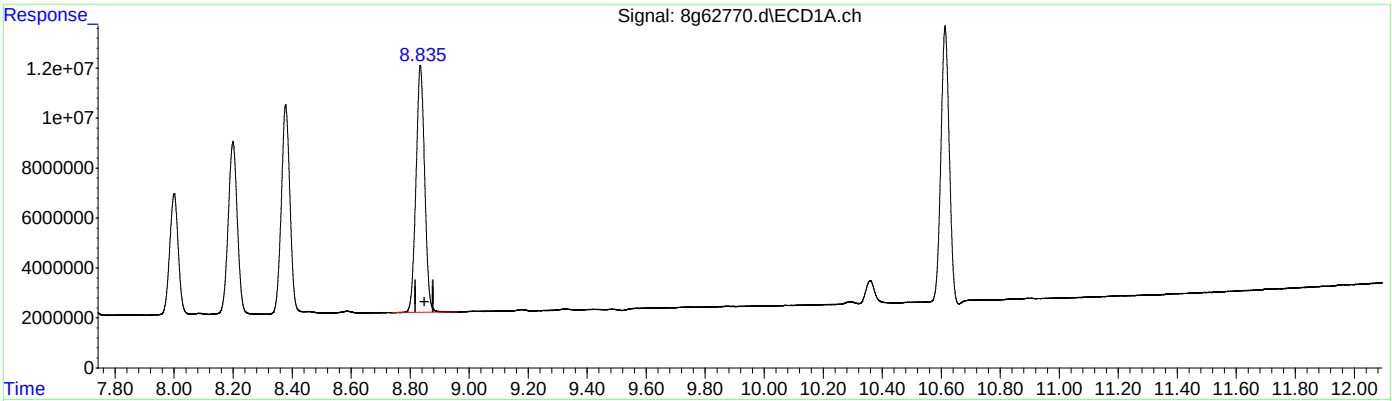
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:23:45 2024

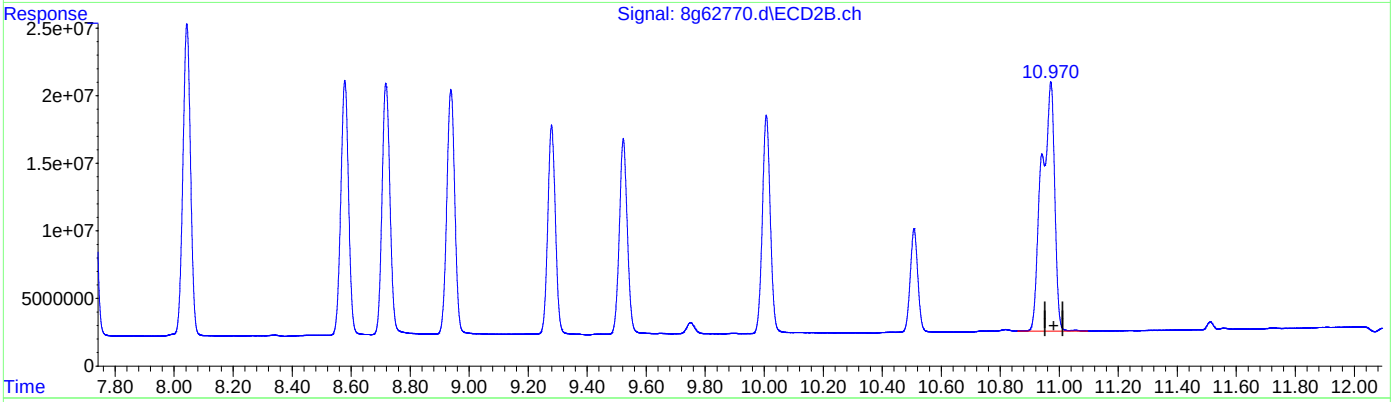
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62770.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 3:31 am
Operator : christp
Sample : op59833-bs1 m
Misc : op59833,g8g2700,5.0,,,10,1
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:05:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(25) Endrin Ketone (B)

8.835min 2.523 PPB

response 201494457

(25) Endrin Ketone #2 (B)

10.971min 2.993 PPB

response 563897829

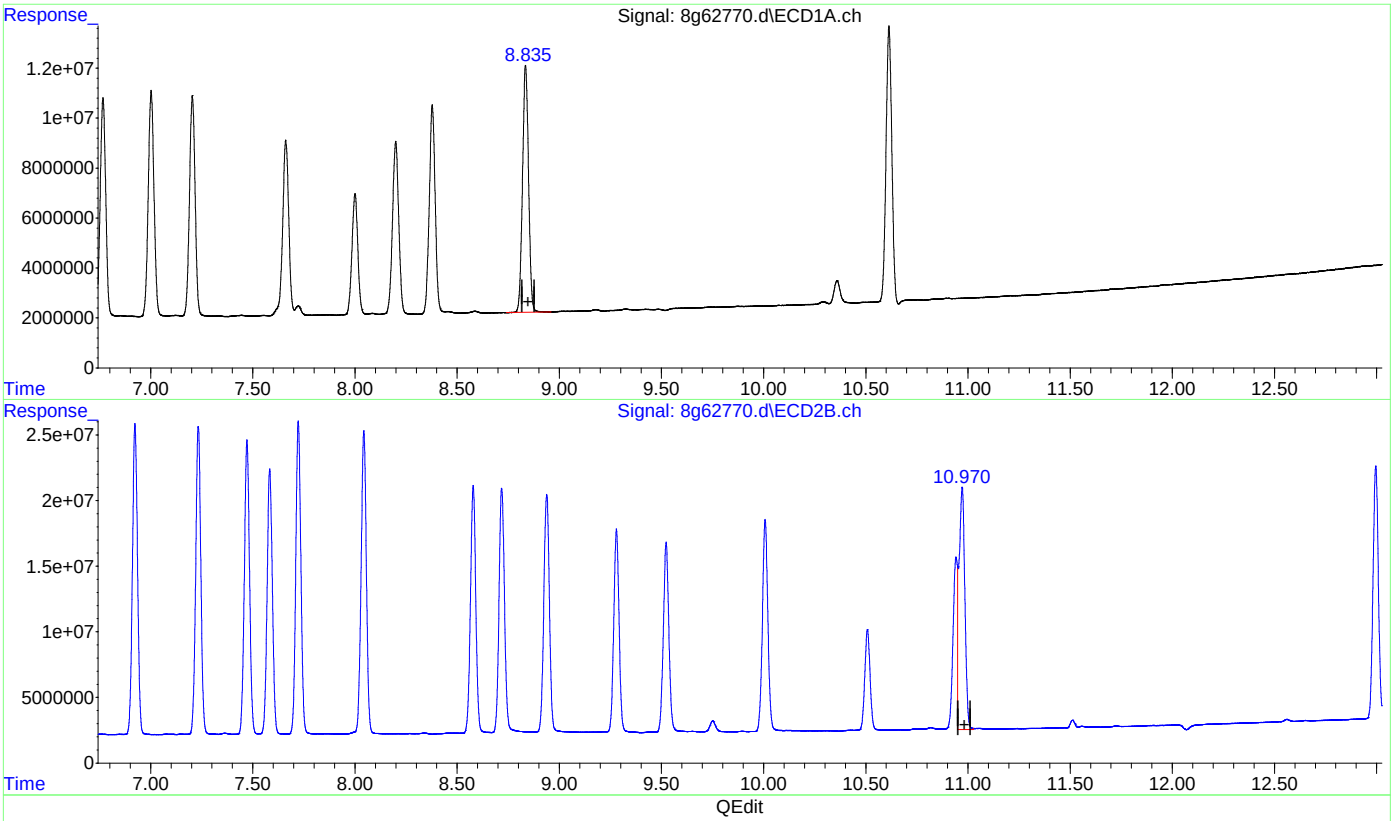
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:23:52 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62770.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 3:31 am
Operator : christp
Sample : op59833-bs1 m
Misc : op59833,g8g2700,5.0,,,10,1
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:05:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(25) Endrin Ketone (B)

8.835min 2.523 PPB

response 201494457

(25) Endrin Ketone #2 (B)

10.970min 1.967 PPB m

response 370492875

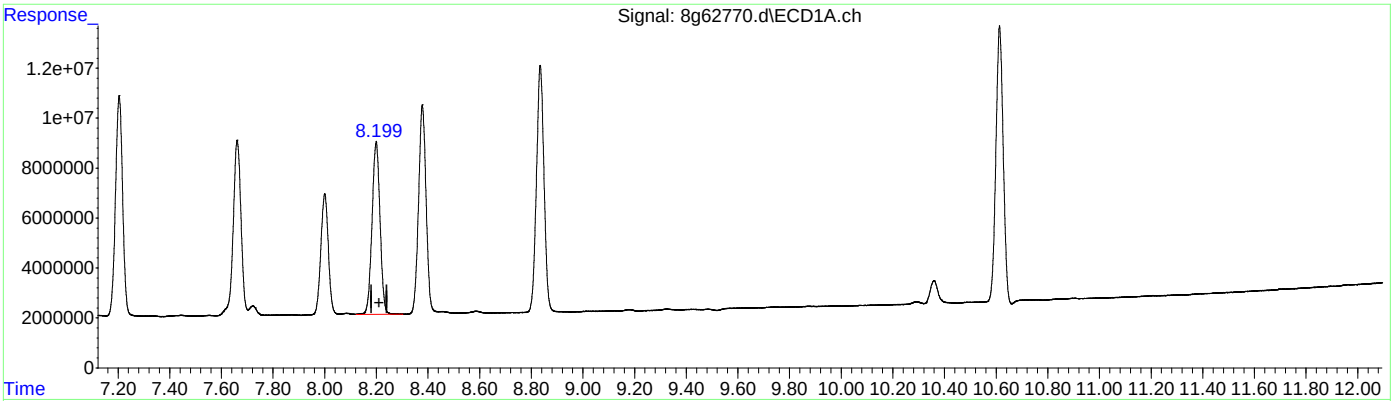
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:24:00 2024

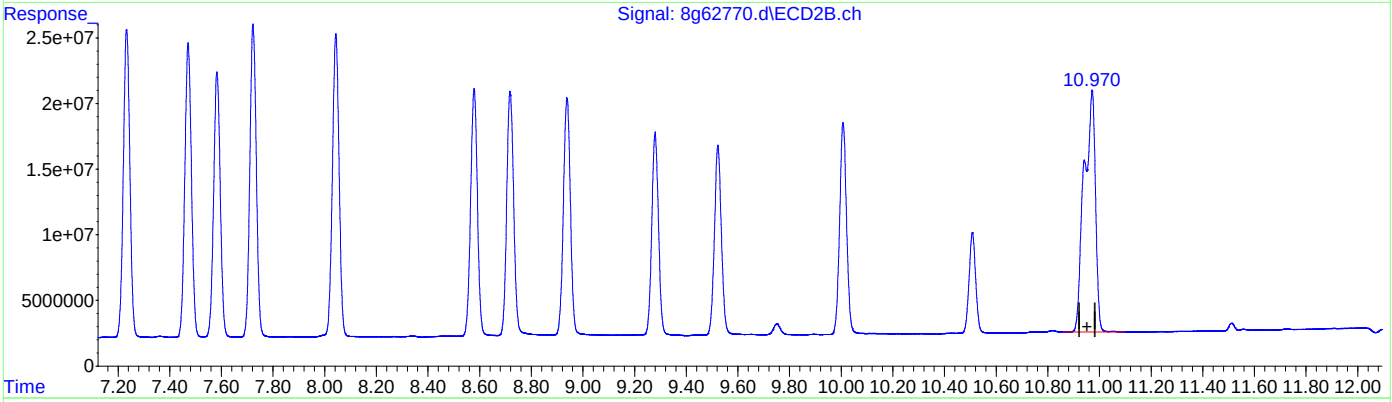
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62770.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 3:31 am
Operator : christp
Sample : op59833-bs1 m
Misc : op59833,g8g2700,5.0,,,10,1
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:05:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(24) Mirex

8.199min 2.563 PPB

response 148214339

(24) Mirex #2

10.971min 6.377 PPB

response 563897829

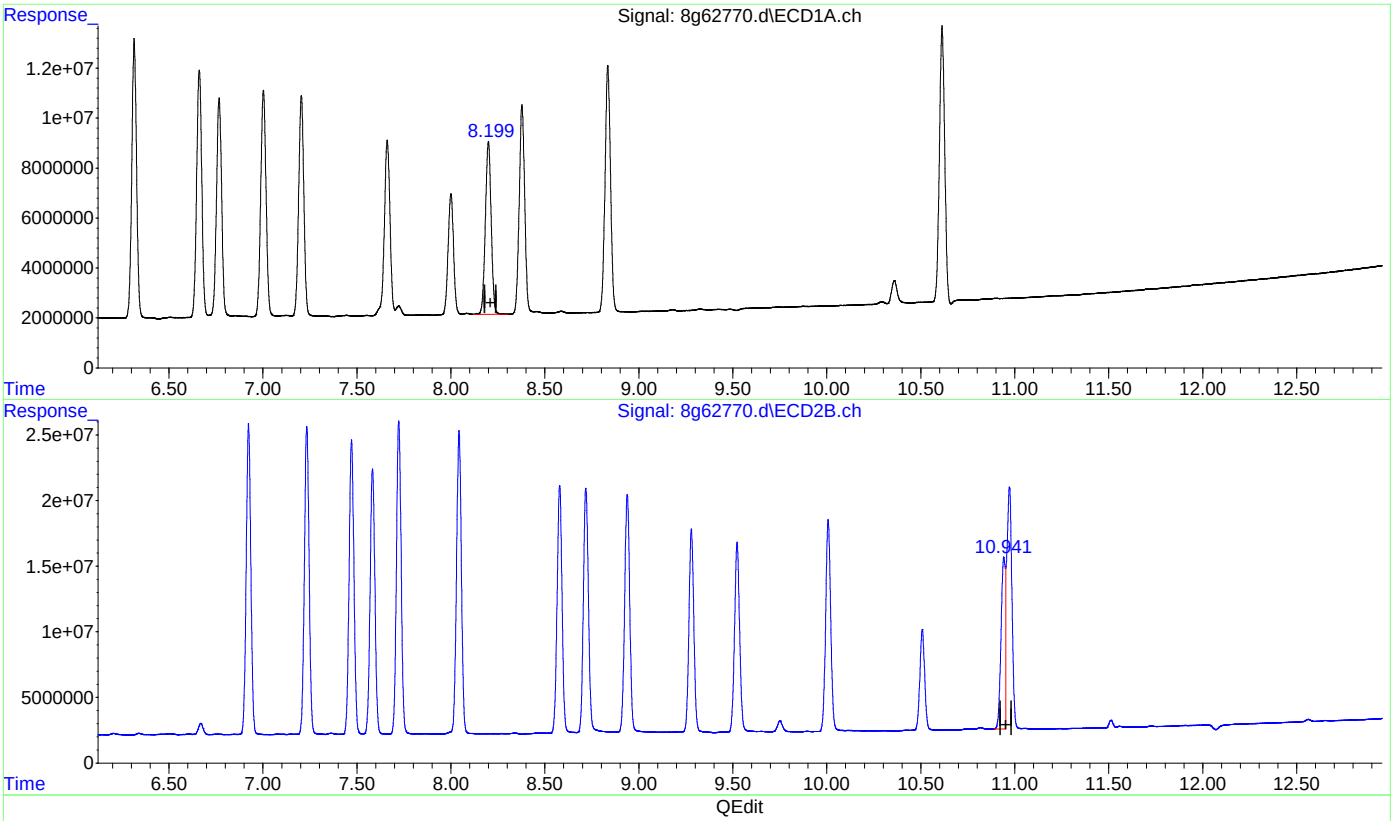
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:24:02 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62770.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 3:31 am
Operator : christp
Sample : op59833-bs1 m
Misc : op59833,g8g2700,5.0,,,10,1
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:05:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(24) Mirex

8.199min 2.563 PPB

response 148214339

(24) Mirex #2

10.941min 2.426 PPB m

response 214553948

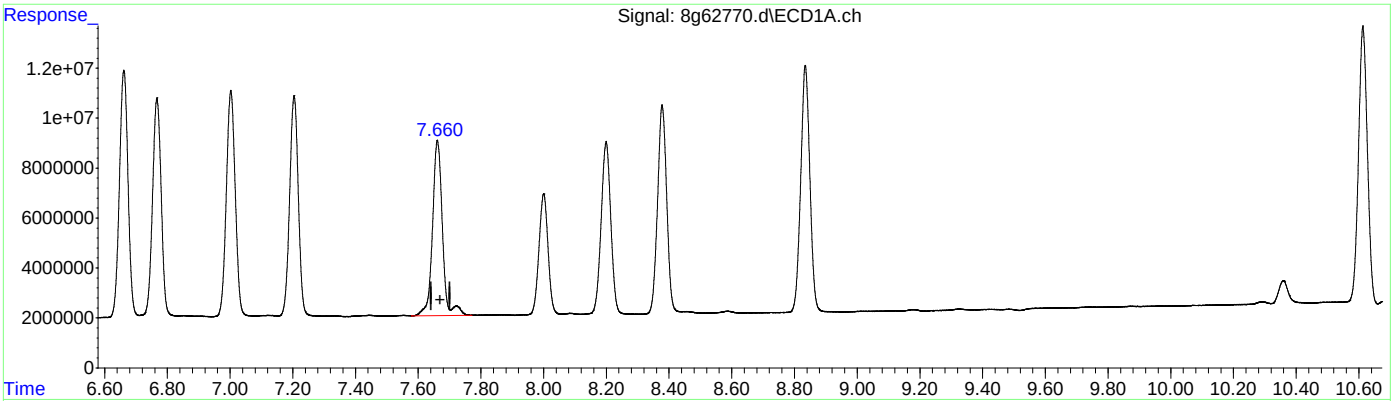
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62770.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 3:31 am
Operator : christp
Sample : op59833-bs1 m
Misc : op59833,g8g2700,5.0,,,10,1
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:05:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(21) Endrin Aldehyde (B)

7.662min 2.773 PPB

response 154643803

(21) Endrin Aldehyde #2 (B)

9.523min 2.274 PPB

response 272488950

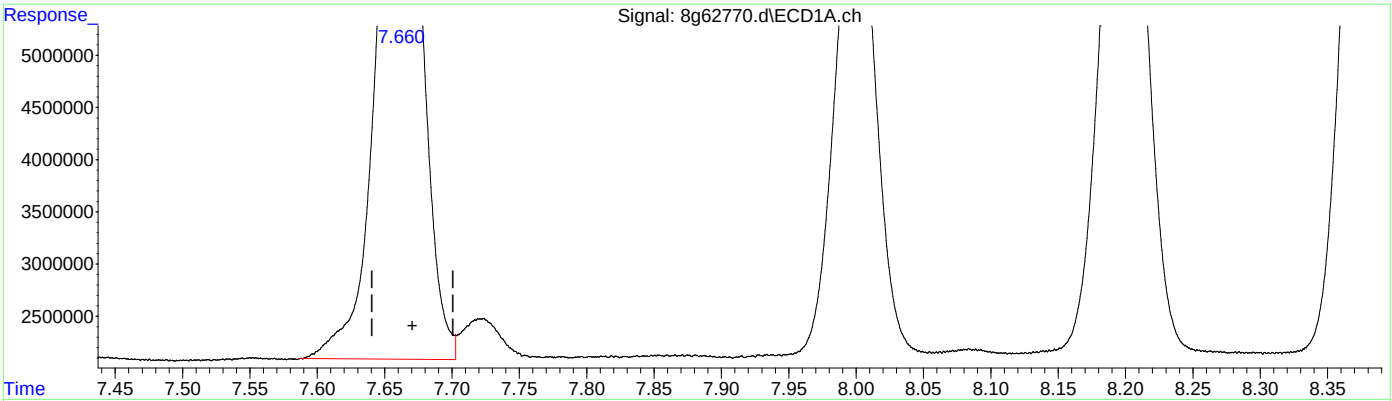
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:24:14 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62770.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 3:31 am
Operator : christp
Sample : op59833-bs1 m
Misc : op59833,g8g2700,5.0,,,10,1
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:05:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(21) Endrin Aldehyde (B)

7.660min 2.649 PPB m

response 147730799

(21) Endrin Aldehyde #2 (B)

9.523min 2.274 PPB

response 272488950

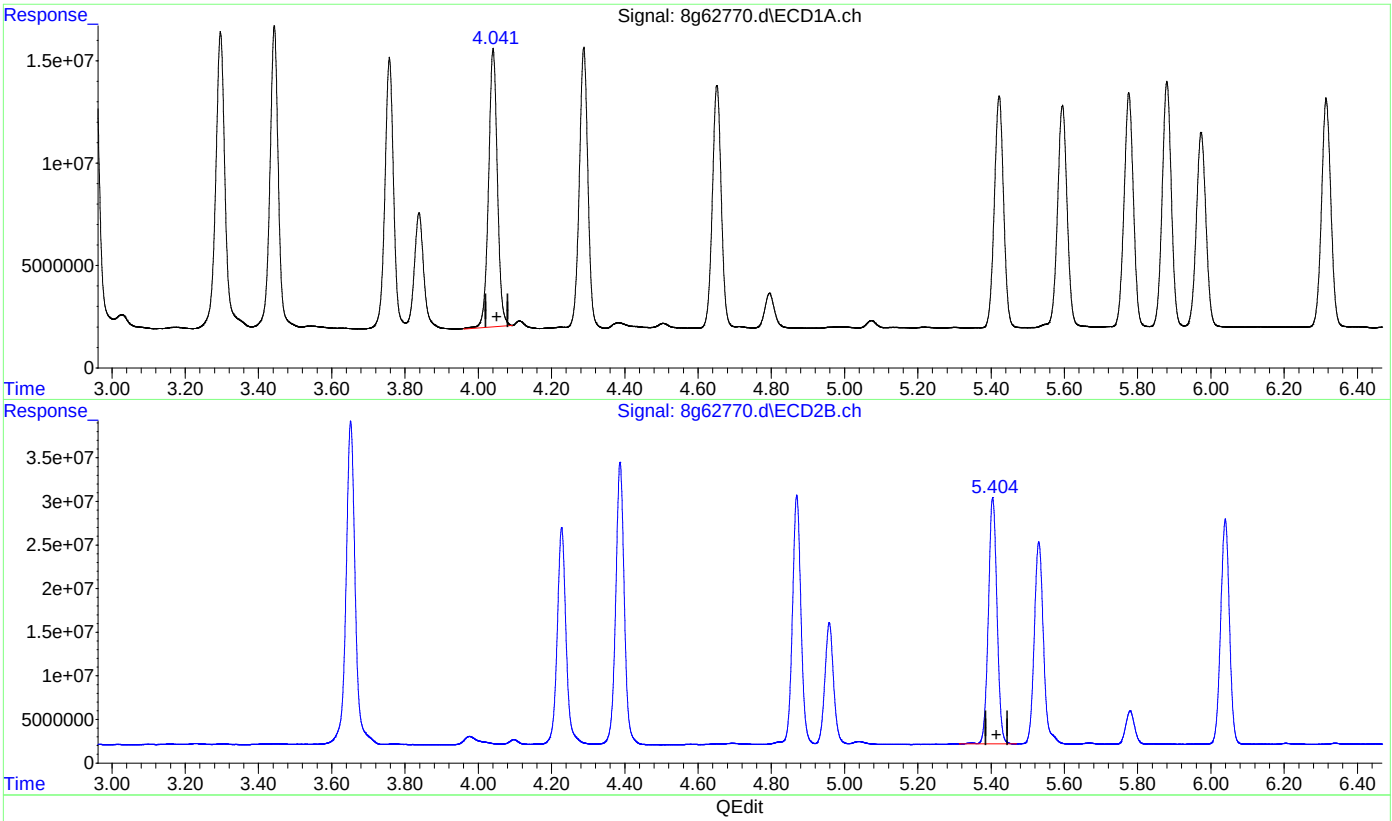
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:24:20 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62770.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 3:31 am
Operator : christp
Sample : op59833-bs1 m
Misc : op59833,g8g2700,5.0,,,10,1
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:05:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(8) delta-BHC (B)

4.041min 2.671 PPB

response 227909976

(8) delta-BHC #2 (B)

5.405min 2.296 PPB

response 461818337

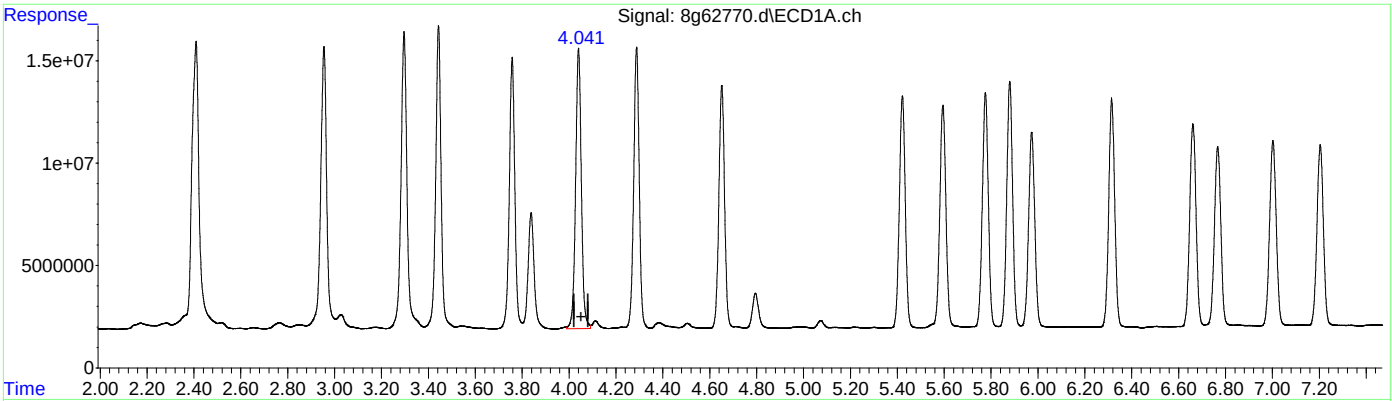
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:24:52 2024

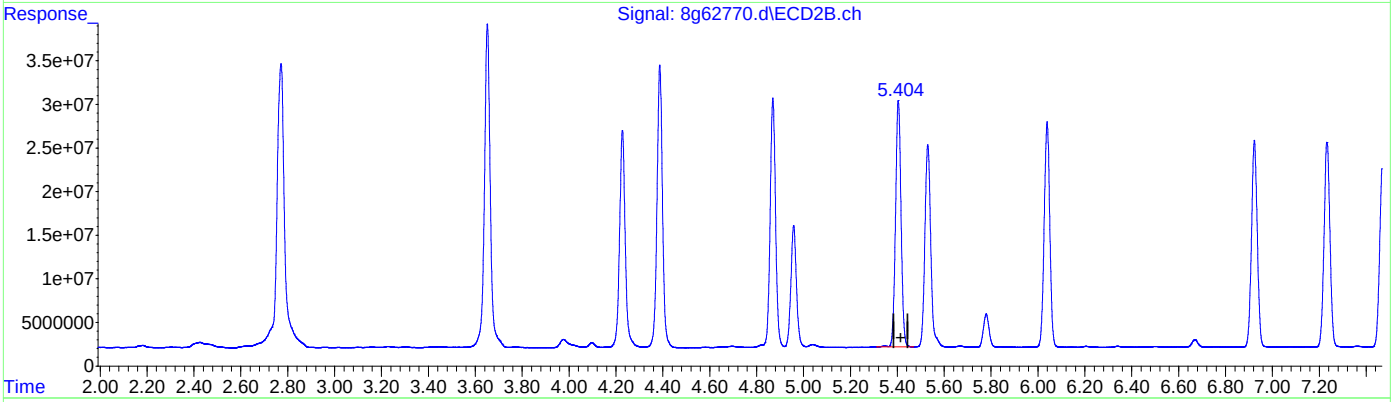
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62770.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 3:31 am
Operator : christp
Sample : op59833-bs1 m
Misc : op59833,g8g2700,5.0,,,10,1
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:05:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(8) delta-BHC (B)

4.041min 2.721 PPB m

response 232179903

(8) delta-BHC #2 (B)

5.405min 2.296 PPB

response 461818337

(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:24:58 2024

Manual Integrations APPROVED (compounds with "m" flag)
Syra Marie Pacheco
12/09/24 02:55

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62774.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:07 am
Operator : christp
Sample : op59833-ms m
Misc : op59833,g8g2700,5.3,,,10,1
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:39:08 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB	
	Internal Standards							
1)	I 1-bromo-2...	2.410	2.772	376.5E6	827.4E6	5.000	5.000	
27)	I 1-bromo-2...	2.410	2.772	376.5E6	827.4E6	5.000	5.000	
33)	I 1-bromo-2...	2.410	2.772	376.5E6	827.4E6	5.000	5.000	
	System Monitoring Compounds							
2)	SAB Tetrachlo...	2.956	3.653	240.1E6	622.1E6	3.305m	3.069	
	Spiked Amount 40.000	Range 30 - 150		Recovery =		8.26%#	7.67%#	
26)	SA Decachlor...	10.615	12.997	248.8E6	502.8E6	3.559	4.385	
	Spiked Amount 40.000			Recovery =		8.90%	10.96%	
	Target Compounds							
3)	hexachlor...	3.298	4.228	270.2E6	434.9E6	2.361	2.016	
4)	A alpha-BHC	3.445	4.387	252.6E6	553.7E6	2.510	2.199	
5)	MA gamma-BHC	3.759	4.870	224.3E6	432.9E6	2.359m	1.944	
6)	MA Heptachlor	4.289	5.530	224.7E6	422.3E6	2.294m	2.147	
7)	B beta-BHC	3.839	4.959	93494980	237.9E6	2.082	2.093	
8)	B delta-BHC	4.043	5.405	228.3E6	477.5E6	2.392	2.213	
9)	MB Aldrin	4.652	6.039	209.9E6	447.7E6	2.424	2.198	
10)	alachlor	4.805	5.780	364.3E6	82941835	28.094	2.730	#
11)	B Heptachlo...	5.423	6.923	2044.2E6	3325.9E6	23.932m	17.285	#
12)	B gamma-Chl...	5.597	7.232	467.3E6	938.9E6	5.133	4.936	
13)	B alpha-Chl...	5.777	7.471	1923.1E6	3188.3E6	22.683	16.871	#
14)	A Endosulfan I	5.971	7.581	722.3E6	670.2E6	9.119	3.870	#
15)	B 4,4'-DDE	5.879	7.723	1349.5E6	2652.5E6	15.550	14.479	
16)	MA Dieldrin	6.315	8.042	199.4E6	510.7E6	2.311m	2.608	
17)	MA Endrin	6.661	8.577	225.0E6	534.9E6	3.308	3.791	
18)	A 4,4'-DDD	6.767	8.718	185.8E6	449.3E6	2.557	2.790	
19)	B Endosulfa...	7.003	8.937	181.1E6	486.3E6	2.386	2.970	
20)	MA 4,4'-DDT	7.204	9.278	653.4E6	1264.0E6	8.907m	9.487m	
21)	B Endrin Al...	7.661	9.523	141.3E6	340.8E6	2.265m	2.650	
22)	B Endosulfa...	8.380	10.007	147.0E6	359.6E6	2.082m	2.430	
23)	A Methoxychlor	8.000	10.507	142.3E6	207.9E6	3.337m	3.141	
24)	Mirex	8.197	10.940	171.8E6	296.1E6	2.656m	3.121m	
25)	B Endrin Ke...	8.837	10.970	285.8E6	396.3E6	3.199m	1.961m	#

SemiQuant Compounds - Not Calibrated on this Instrument

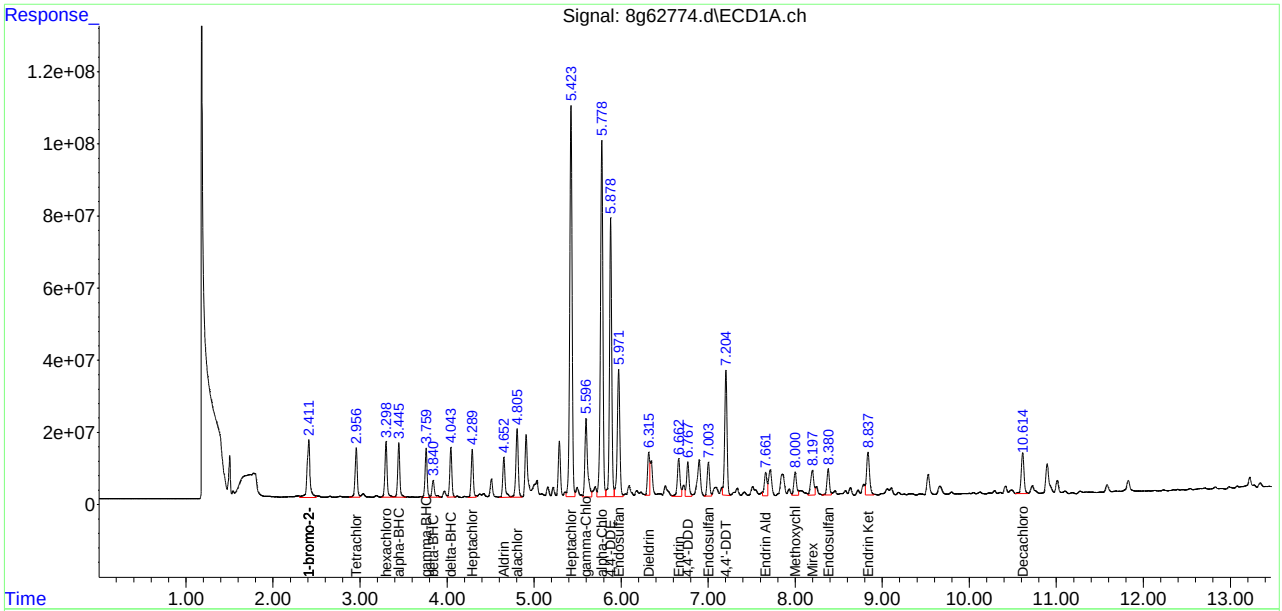
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

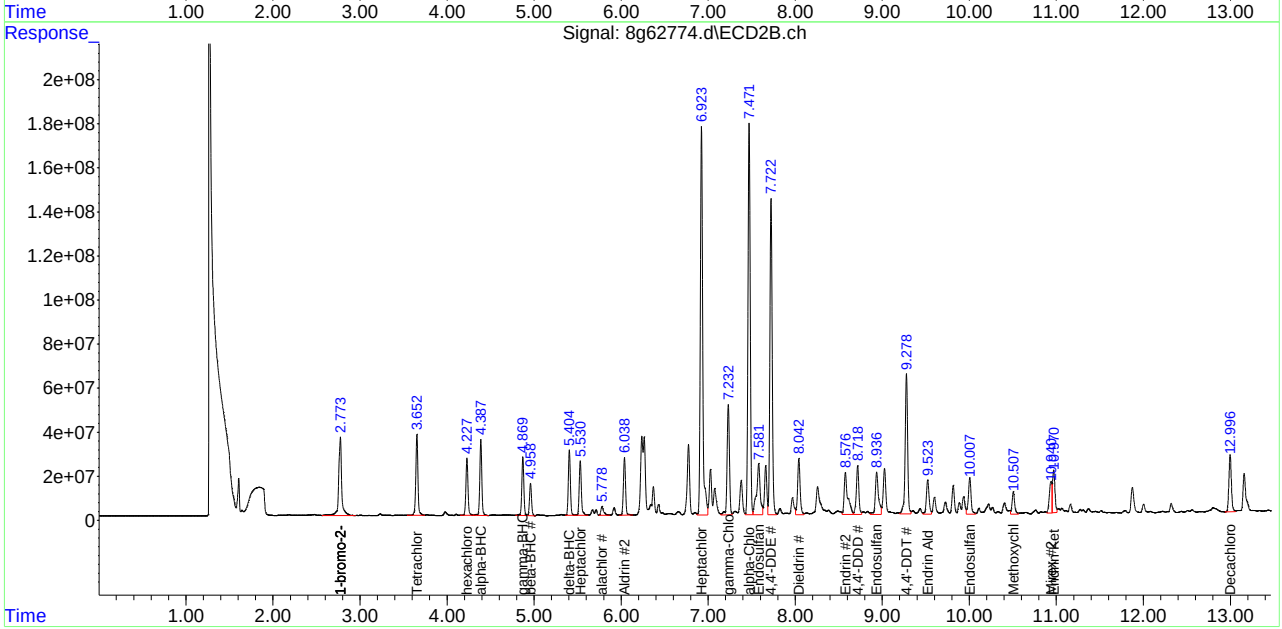
Quantitation Report (QT Reviewed)

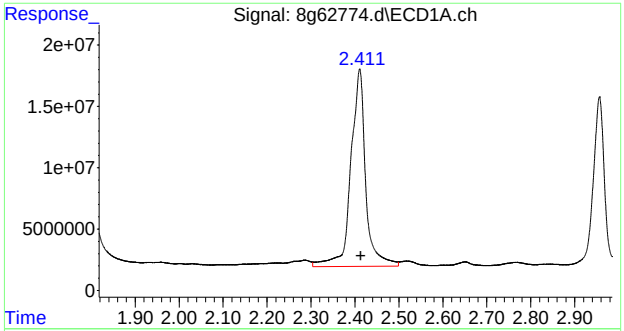
Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62774.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:07 am
Operator : christp
Sample : op59833-ms m
Misc : op59833,g8g2700,5.3,,,10,1
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:39:08 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

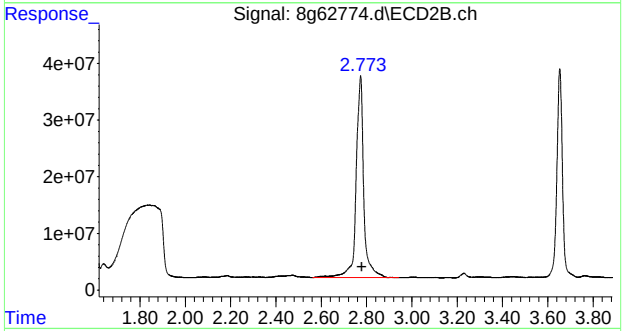






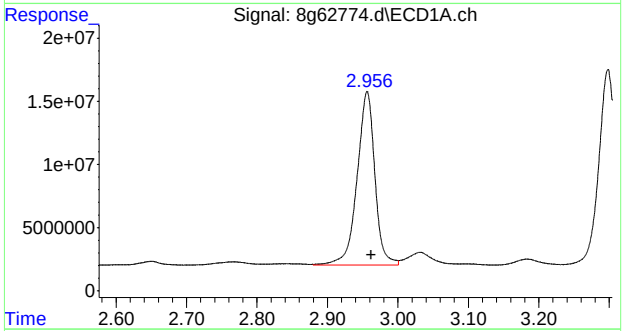
#1 1-bromo-2-nitrobenzene

R.T.: 2.410 min
Delta R.T.: -0.003 min
Response: 376537789
Conc: 5.00 PPB



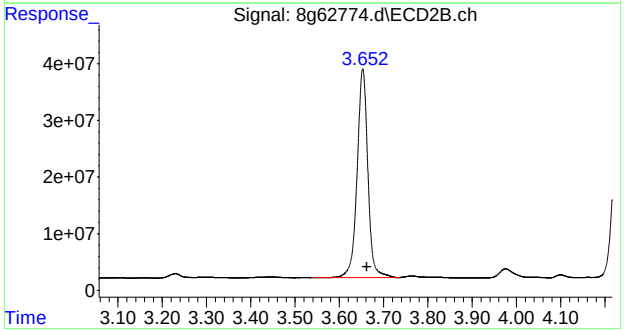
#1 1-bromo-2-nitrobenzene

R.T.: 2.772 min
Delta R.T.: -0.006 min
Response: 827353265
Conc: 5.00 PPB



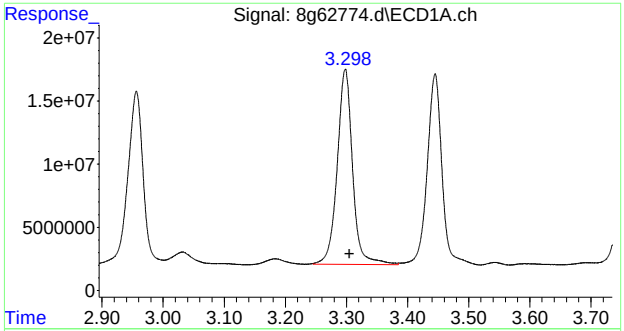
#2 Tetrachloro-m-xylene

R.T.: 2.956 min
Delta R.T.: -0.006 min
Response: 240079068
Conc: 3.30 PPB m



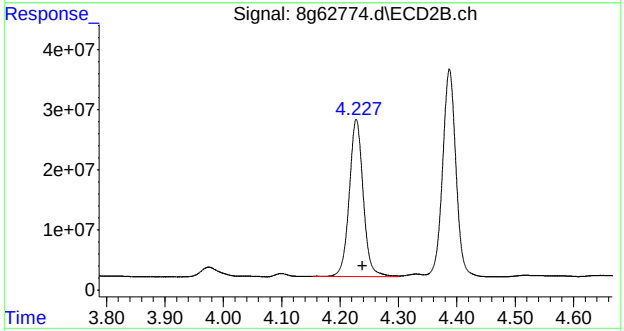
#2 Tetrachloro-m-xylene

R.T.: 3.653 min
Delta R.T.: -0.009 min
Response: 622082130
Conc: 3.07 PPB



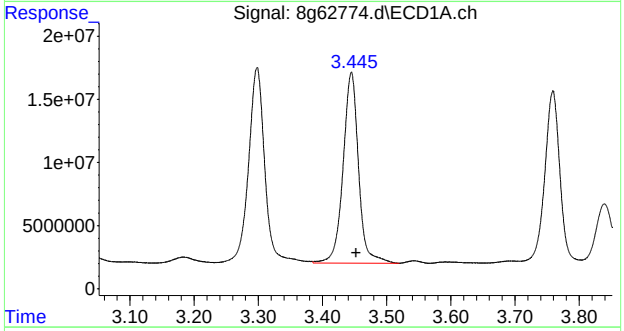
#3 hexachlorobenzene

R.T.: 3.298 min
Delta R.T.: -0.007 min
Response: 270226575
Conc: 2.36 PPB



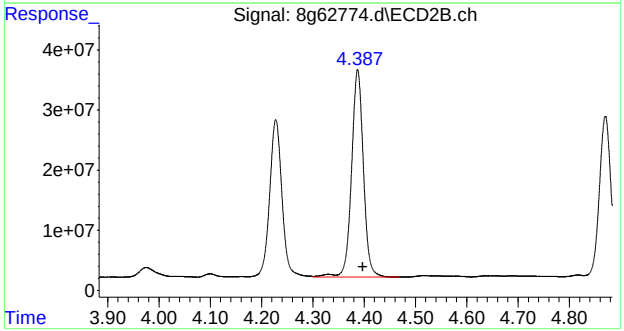
#3 hexachlorobenzene

R.T.: 4.228 min
Delta R.T.: -0.010 min
Response: 434883810
Conc: 2.02 PPB



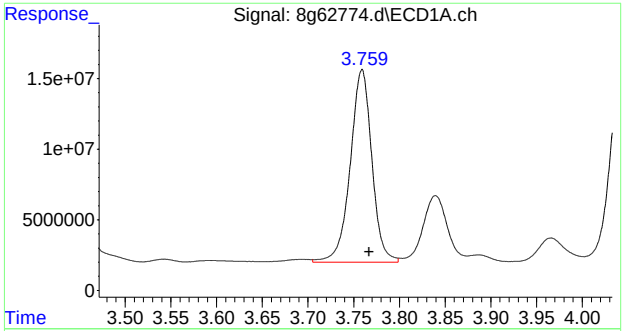
#4 alpha-BHC

R.T.: 3.445 min
Delta R.T.: -0.008 min
Response: 252625747
Conc: 2.51 PPB



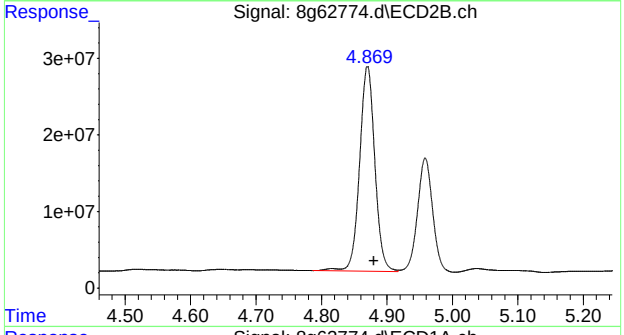
#4 alpha-BHC

R.T.: 4.387 min
Delta R.T.: -0.010 min
Response: 553716718
Conc: 2.20 PPB



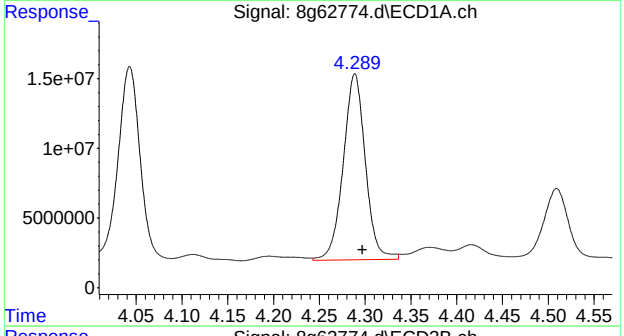
#5 gamma-BHC

R.T.: 3.759 min
Delta R.T.: -0.007 min
Response: 224266289
Conc: 2.36 PPB m



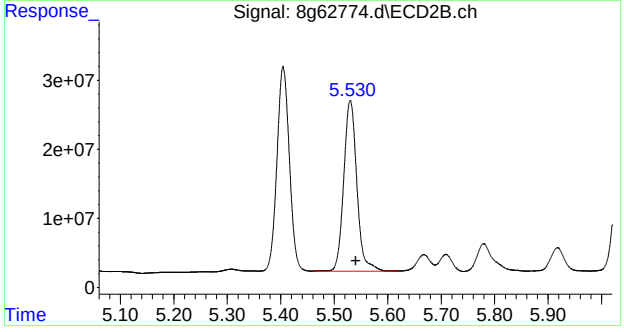
#5 gamma-BHC

R.T.: 4.870 min
Delta R.T.: -0.010 min
Response: 432864341
Conc: 1.94 PPB



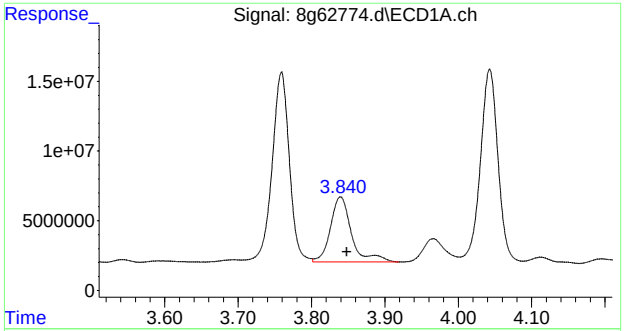
#6 Heptachlor

R.T.: 4.289 min
Delta R.T.: -0.008 min
Response: 224732625
Conc: 2.29 PPB m



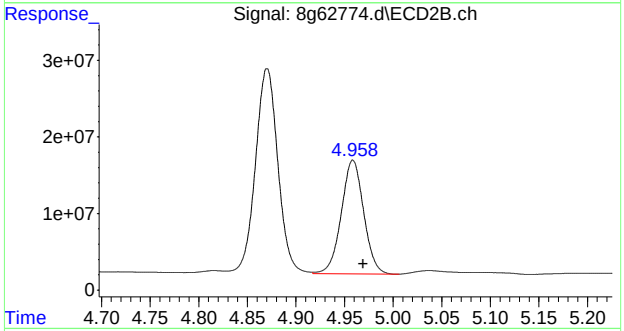
#6 Heptachlor

R.T.: 5.530 min
Delta R.T.: -0.010 min
Response: 422313551
Conc: 2.15 PPB



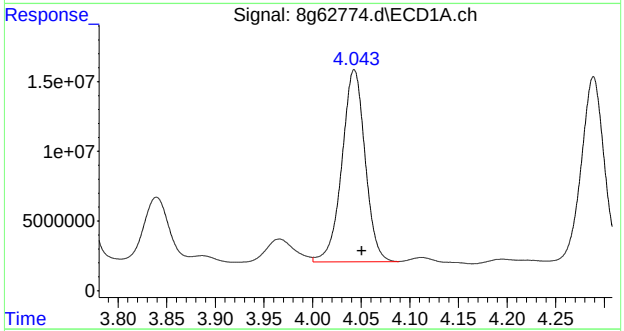
#7 beta-BHC

R.T.: 3.839 min
Delta R.T.: -0.009 min
Response: 93494980
Conc: 2.08 PPB



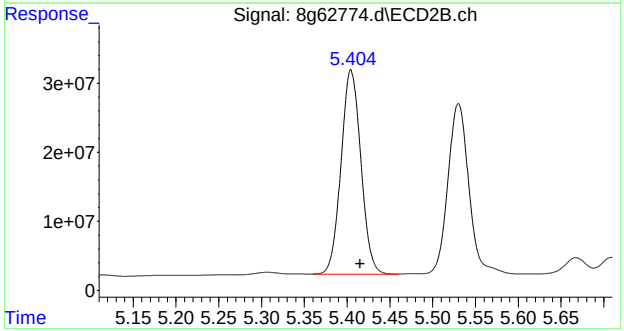
#7 beta-BHC

R.T.: 4.959 min
Delta R.T.: -0.010 min
Response: 237899665
Conc: 2.09 PPB



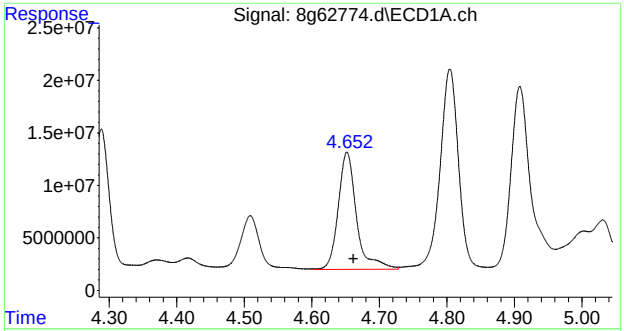
#8 delta-BHC

R.T.: 4.043 min
Delta R.T.: -0.008 min
Response: 228286850
Conc: 2.39 PPB



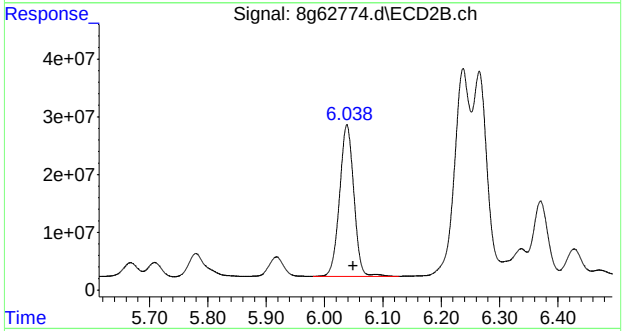
#8 delta-BHC

R.T.: 5.405 min
Delta R.T.: -0.010 min
Response: 477475419
Conc: 2.21 PPB



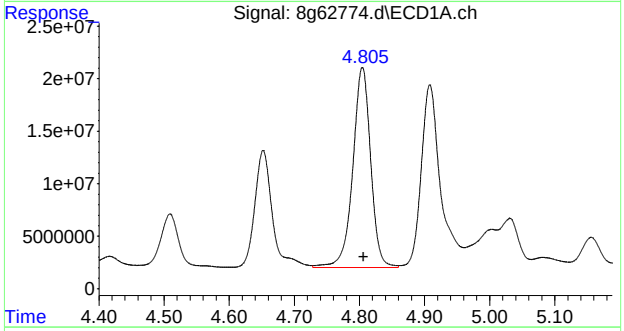
#9 Aldrin

R.T.: 4.652 min
Delta R.T.: -0.009 min
Response: 209882757
Conc: 2.42 PPB



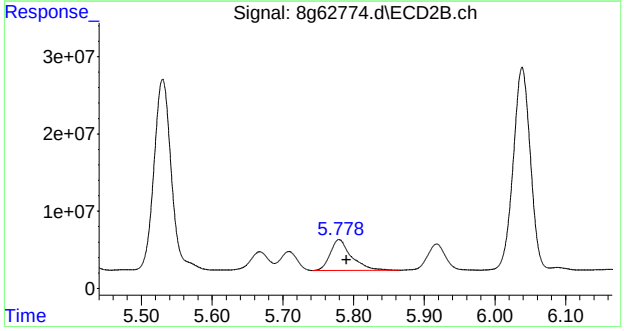
#9 Aldrin

R.T.: 6.039 min
Delta R.T.: -0.010 min
Response: 447675345
Conc: 2.20 PPB



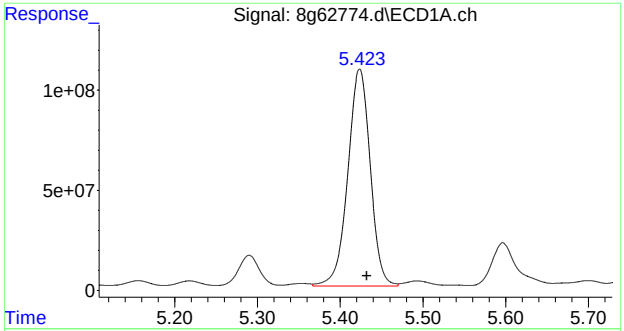
#10 alachlor

R.T.: 4.805 min
Delta R.T.: -0.002 min
Response: 364258864
Conc: 28.09 PPB



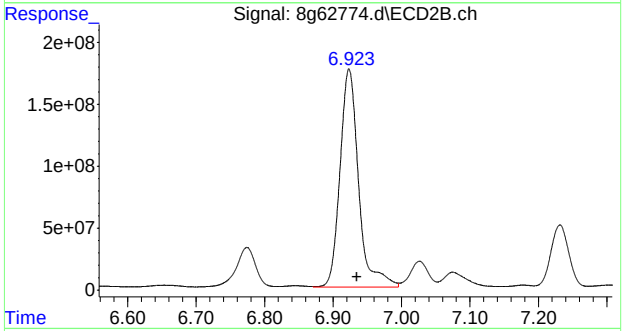
#10 alachlor

R.T.: 5.780 min
Delta R.T.: -0.010 min
Response: 82941835
Conc: 2.73 PPB



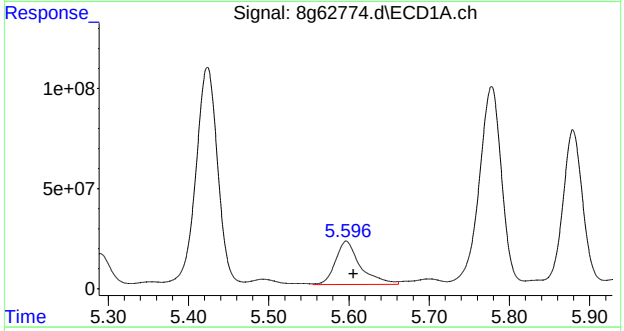
#11 Heptachlor Epoxide

R.T.: 5.423 min
Delta R.T.: -0.009 min
Response: 2044174498
Conc: 23.93 PPB m



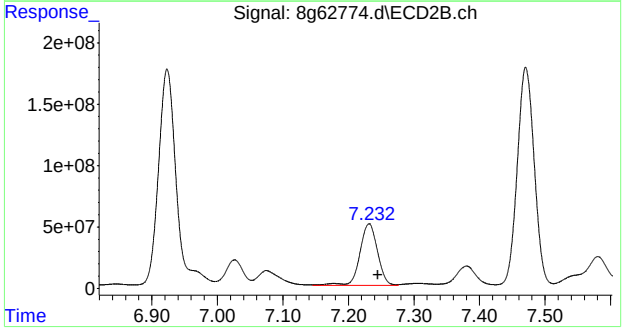
#11 Heptachlor Epoxide

R.T.: 6.923 min
Delta R.T.: -0.011 min
Response: 3325935094
Conc: 17.29 PPB



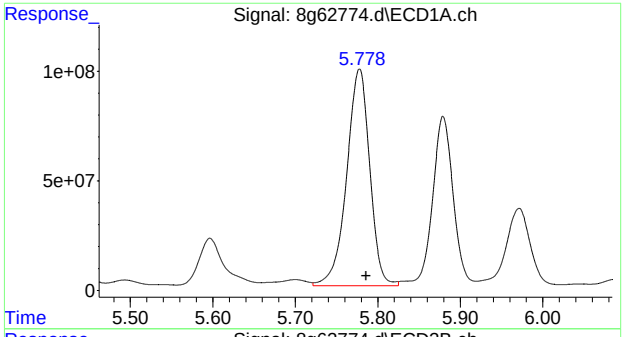
#12 gamma-Chlordane

R.T.: 5.597 min
Delta R.T.: -0.008 min
Response: 467294183
Conc: 5.13 PPB



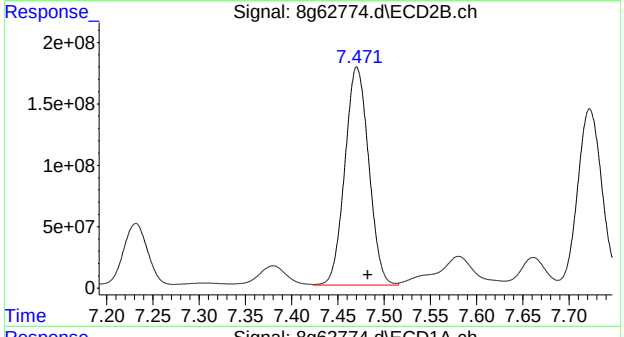
#12 gamma-Chlordane

R.T.: 7.232 min
Delta R.T.: -0.013 min
Response: 938922690
Conc: 4.94 PPB



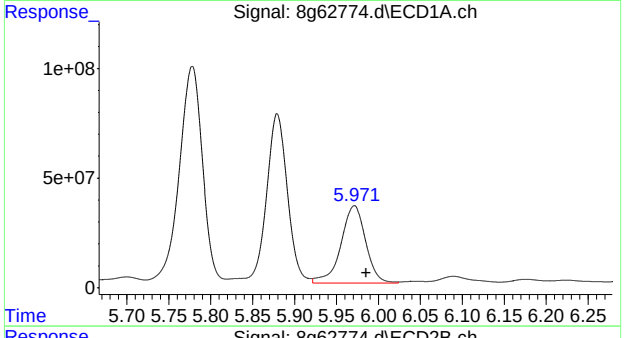
#13 alpha-Chlordane

R.T.: 5.777 min
Delta R.T.: -0.008 min
Response: 1923136286
Conc: 22.68 PPB



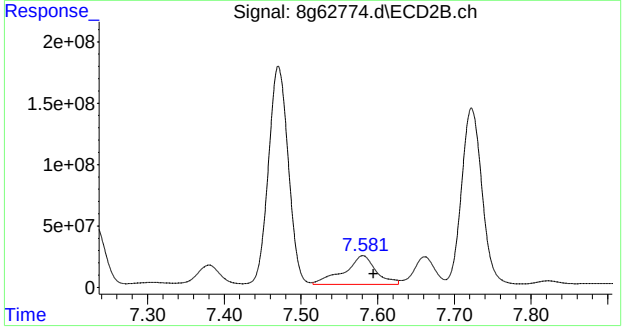
#13 alpha-Chlordane

R.T.: 7.471 min
Delta R.T.: -0.011 min
Response: 3188259603
Conc: 16.87 PPB



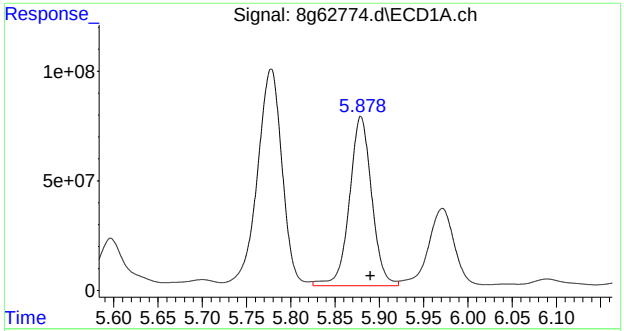
#14 Endosulfan I

R.T.: 5.971 min
Delta R.T.: -0.014 min
Response: 722308260
Conc: 9.12 PPB



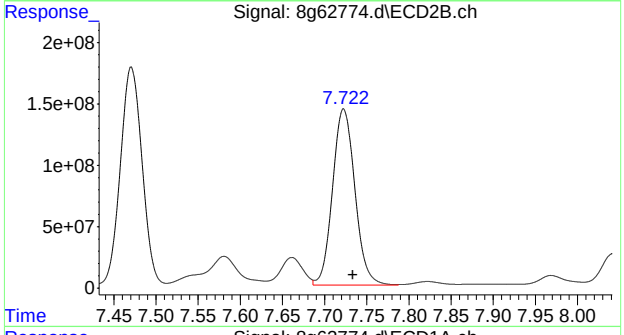
#14 Endosulfan I

R.T.: 7.581 min
Delta R.T.: -0.014 min
Response: 670185906
Conc: 3.87 PPB



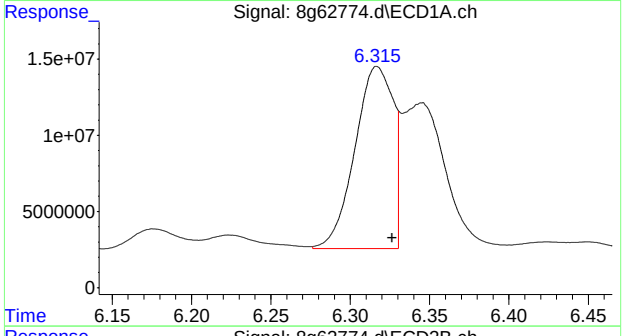
#15 4,4'-DDE

R.T.: 5.879 min
Delta R.T.: -0.011 min
Response: 1349460903
Conc: 15.55 PPB



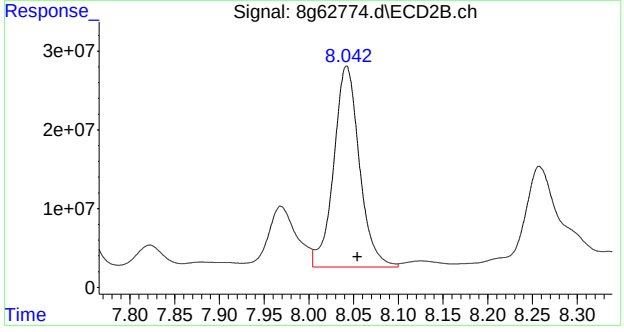
#15 4,4'-DDE

R.T.: 7.723 min
Delta R.T.: -0.011 min
Response: 2652480564
Conc: 14.48 PPB



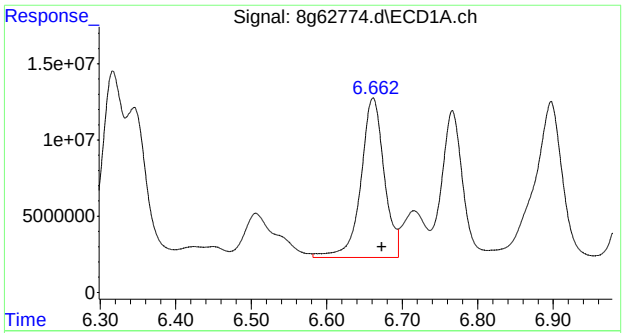
#16 Dieldrin

R.T.: 6.315 min
Delta R.T.: -0.011 min
Response: 199369465
Conc: 2.31 PPB m



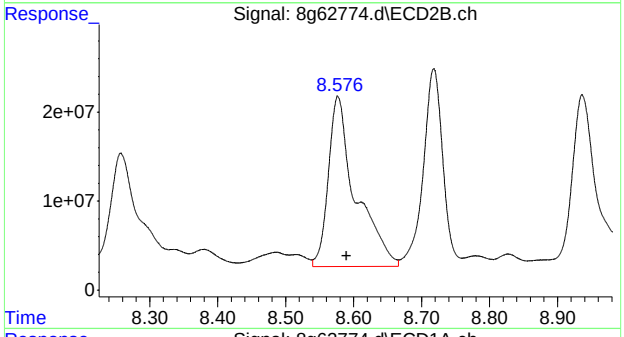
#16 Dieldrin

R.T.: 8.042 min
Delta R.T.: -0.012 min
Response: 510743329
Conc: 2.61 PPB



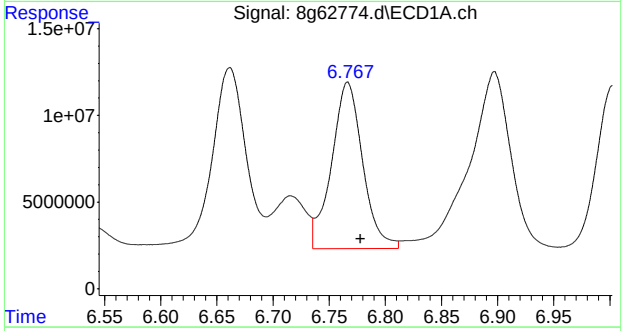
#17 Endrin

R.T.: 6.661 min
Delta R.T.: -0.011 min
Response: 225024450
Conc: 3.31 PPB



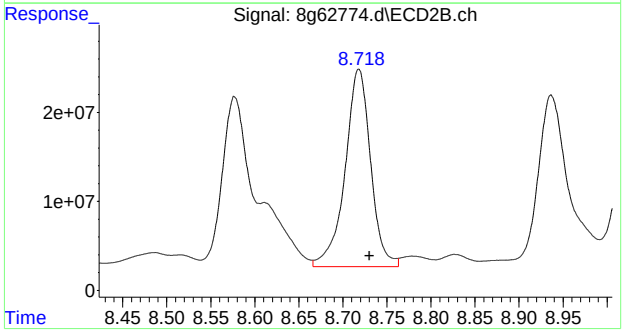
#17 Endrin

R.T.: 8.577 min
Delta R.T.: -0.012 min
Response: 534888882
Conc: 3.79 PPB



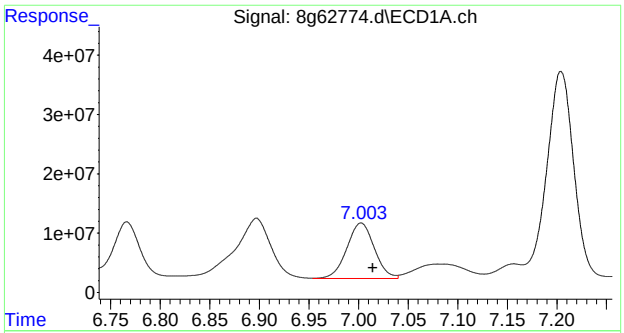
#18 4,4'-DDD

R.T.: 6.767 min
Delta R.T.: -0.011 min
Response: 185786545
Conc: 2.56 PPB



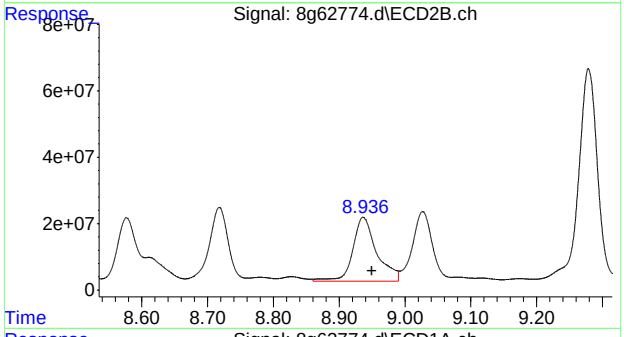
#18 4,4'-DDD

R.T.: 8.718 min
Delta R.T.: -0.012 min
Response: 449343937
Conc: 2.79 PPB



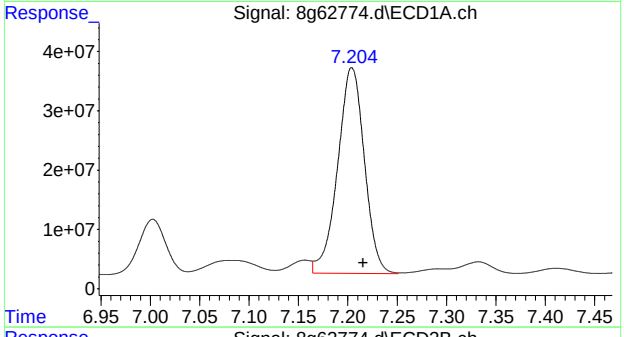
#19 Endosulfan II

R.T.: 7.003 min
Delta R.T.: -0.012 min
Response: 181069309
Conc: 2.39 PPB



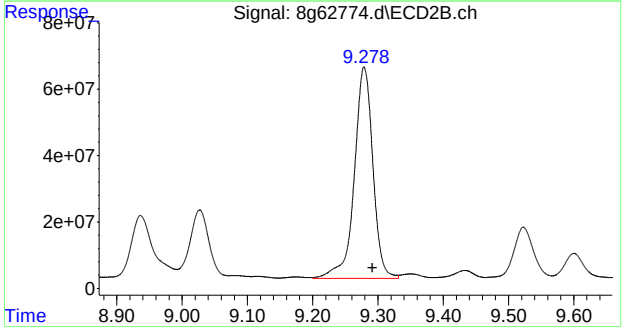
#19 Endosulfan II

R.T.: 8.937 min
Delta R.T.: -0.013 min
Response: 486309320
Conc: 2.97 PPB



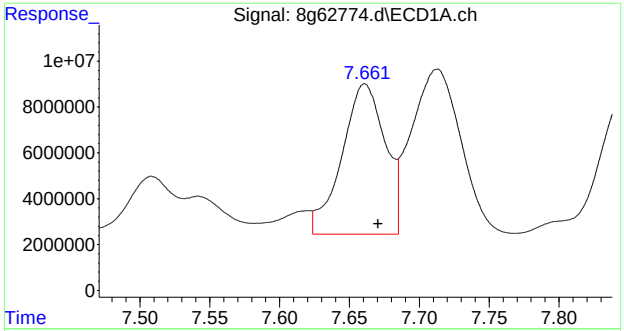
#20 4,4'-DDT

R.T.: 7.204 min
Delta R.T.: -0.012 min
Response: 653383766
Conc: 8.91 PPB m



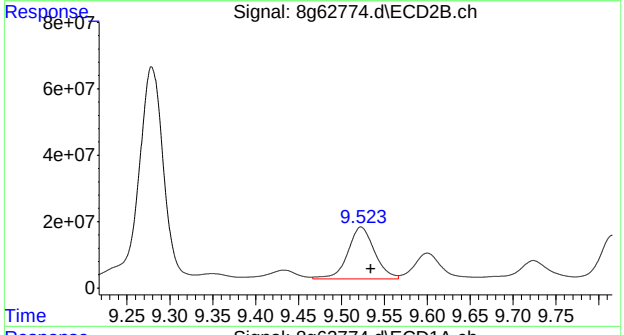
#20 4,4'-DDT

R.T.: 9.278 min
Delta R.T.: -0.014 min
Response: 1264020036
Conc: 9.49 PPB m



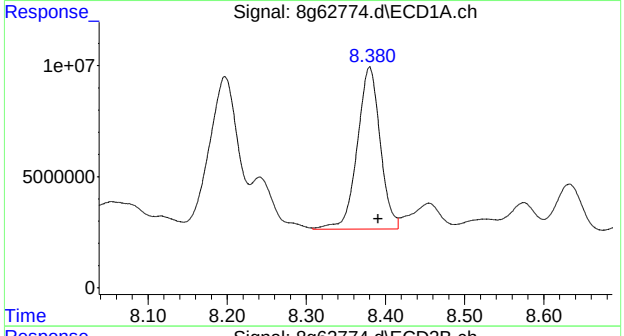
#21 Endrin Aldehyde

R.T.: 7.661 min
Delta R.T.: -0.010 min
Response: 141284547
Conc: 2.26 PPB m



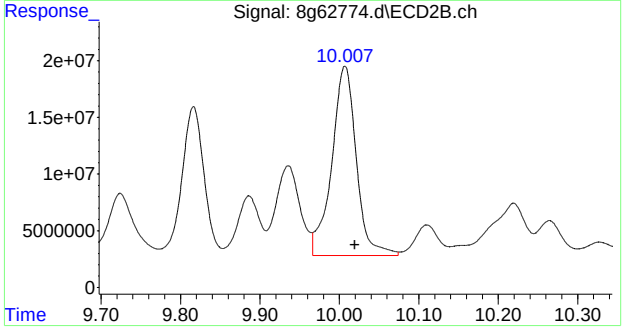
#21 Endrin Aldehyde

R.T.: 9.523 min
Delta R.T.: -0.011 min
Response: 340752209
Conc: 2.65 PPB



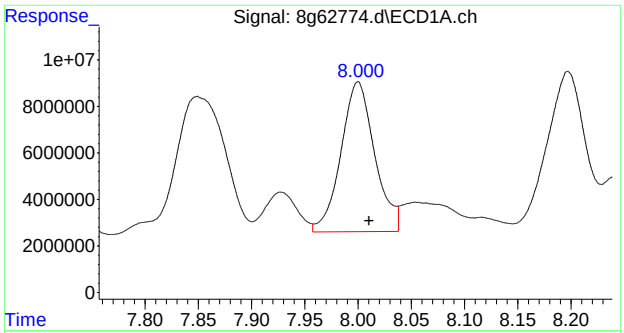
#22 Endosulfan Sulfate

R.T.: 8.380 min
Delta R.T.: -0.010 min
Response: 146957241
Conc: 2.08 PPB m



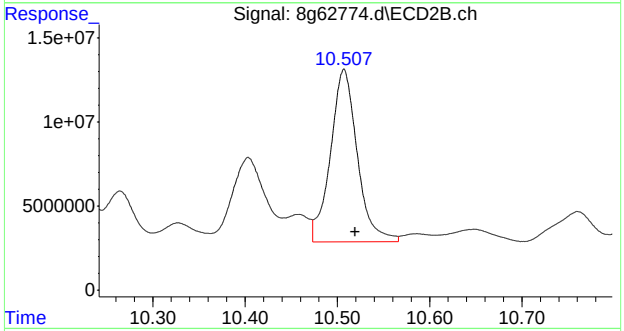
#22 Endosulfan Sulfate

R.T.: 10.007 min
Delta R.T.: -0.013 min
Response: 359555053
Conc: 2.43 PPB



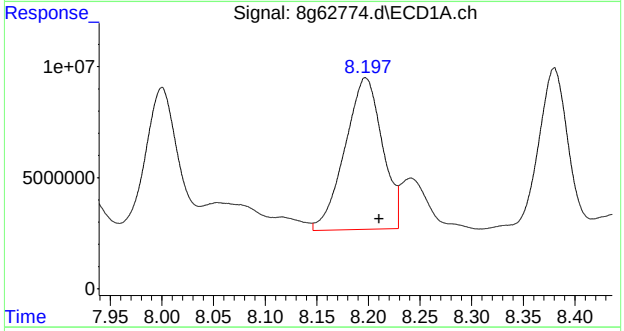
#23 Methoxychlor

R.T.: 8.000 min
Delta R.T.: -0.010 min
Response: 142330667
Conc: 3.34 PPB m



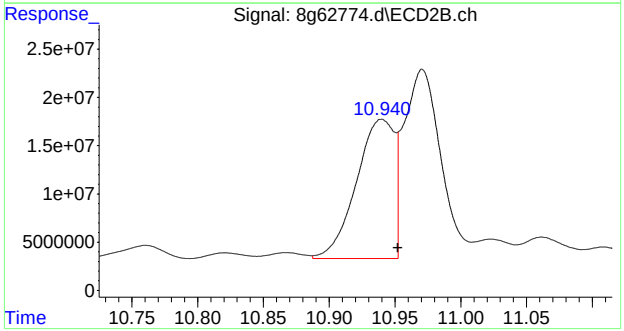
#23 Methoxychlor

R.T.: 10.507 min
Delta R.T.: -0.012 min
Response: 207886442
Conc: 3.14 PPB



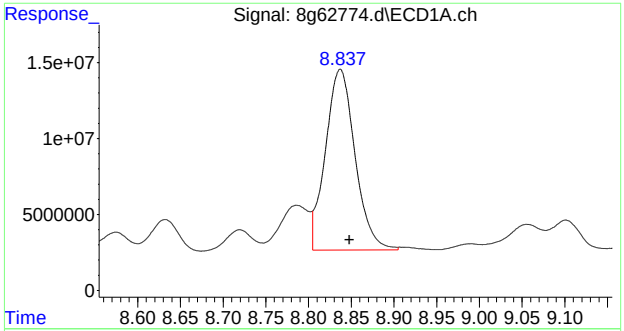
#24 Mirex

R.T.: 8.197 min
Delta R.T.: -0.013 min
Response: 171817497
Conc: 2.66 PPB m



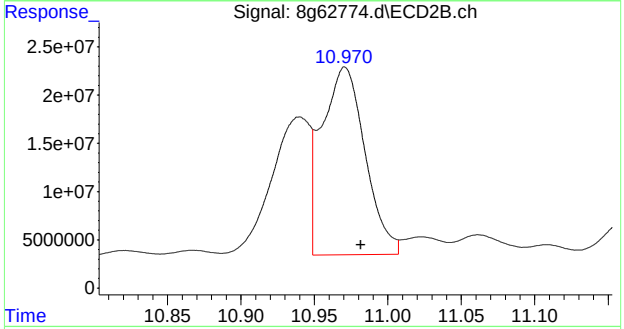
#24 Mirex

R.T.: 10.940 min
Delta R.T.: -0.012 min
Response: 296077310
Conc: 3.12 PPB m



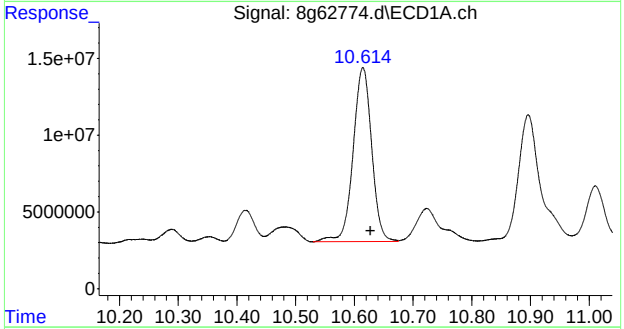
#25 Endrin Ketone

R.T.: 8.837 min
Delta R.T.: -0.011 min
Response: 285829666
Conc: 3.20 PPB m



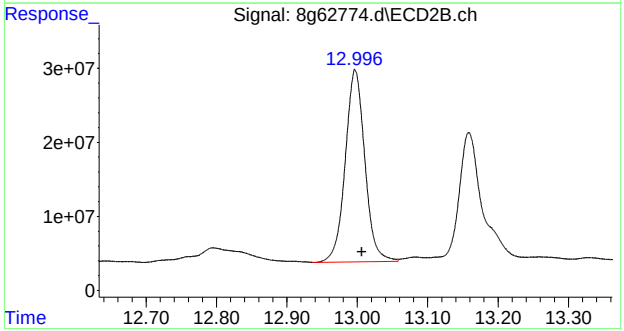
#25 Endrin Ketone

R.T.: 10.970 min
Delta R.T.: -0.012 min
Response: 396342222
Conc: 1.96 PPB m



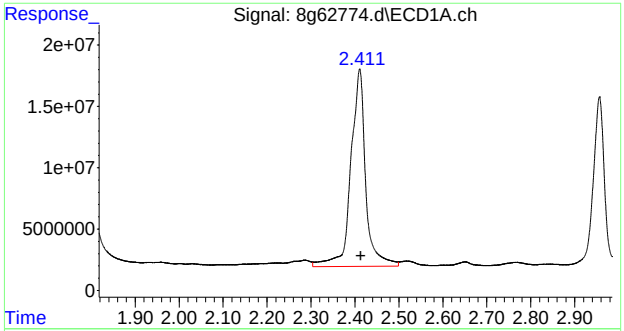
#26 Decachlorobiphenyl

R.T.: 10.615 min
Delta R.T.: -0.013 min
Response: 248754644
Conc: 3.56 PPB



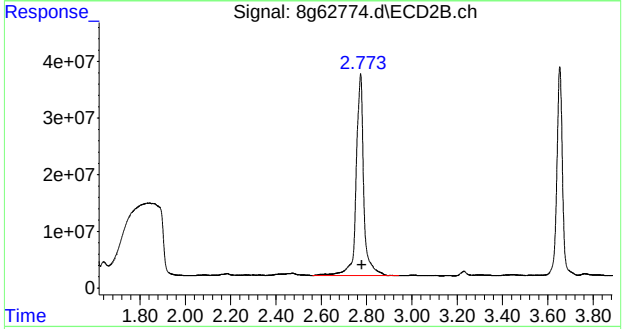
#26 Decachlorobiphenyl

R.T.: 12.997 min
Delta R.T.: -0.009 min
Response: 502815187
Conc: 4.39 PPB



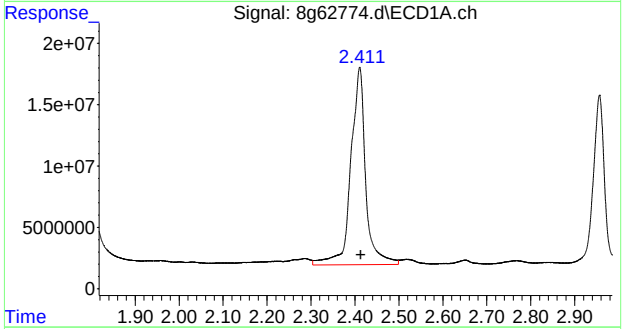
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.410 min
Delta R.T.: -0.004 min
Response: 376537789
Conc: 5.00 PPB



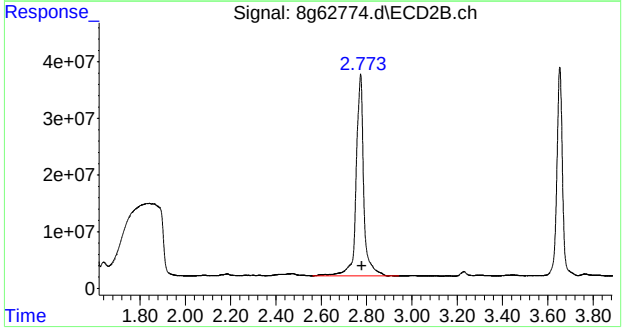
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.772 min
Delta R.T.: -0.006 min
Response: 827353265
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.410 min
Delta R.T.: -0.004 min
Response: 376537789
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.772 min
Delta R.T.: -0.006 min
Response: 827353265
Conc: 5.00 PPB

Manual Integration Approval Summary

Sample Number: OP59833-MS
Lab FileID: 8G62774.D
Injection Time: 12/03/24 05:07
Method: SW846 8081B
Analyst approved: 12/03/24 17:15 Gwendolyn Burns
Supervisor approved: 12/09/24 02:55 Syra Marie Pacheco

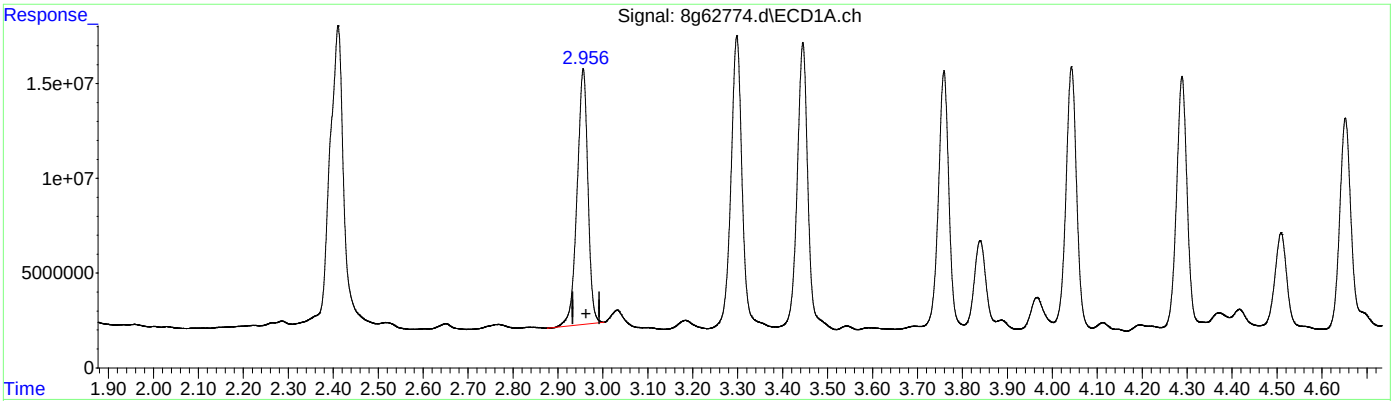
Parameter	CAS	Sig#	R.T. (min.)	Reason
Tetrachloro-m-xylene	877-09-8	1	2.96	Poorly defined baseline
gamma-BHC (Lindane)	58-89-9	1	3.76	Poorly defined baseline
Heptachlor	76-44-8	1	4.29	Poorly defined baseline
Heptachlor epoxide	1024-57-3	1	5.42	Poorly defined baseline
Dieldrin	60-57-1	1	6.32	Poorly defined baseline
4,4'-DDT	50-29-3	1	7.20	Poorly defined baseline
Endrin aldehyde	7421-93-4	1	7.66	Poorly defined baseline
Methoxychlor	72-43-5	1	8.00	Poorly defined baseline
Mirex	2385-85-5	1	8.20	Poorly defined baseline
Endosulfan sulfate	1031-07-8	1	8.38	Poorly defined baseline
Endrin ketone	53494-70-5	1	8.84	Poorly defined baseline
4,4'-DDT	50-29-3	2	9.28	Poorly defined baseline
Mirex	2385-85-5	2	10.94	Poorly defined baseline
Endrin ketone	53494-70-5	2	10.97	Poorly defined baseline

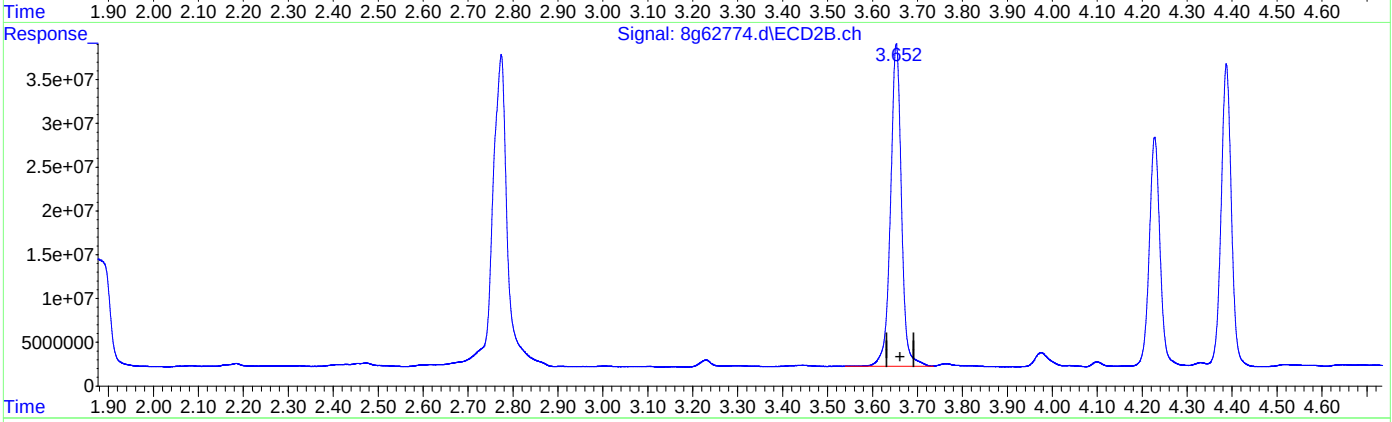
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62774.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:07 am
Operator : christp
Sample : op59833-ms m
Misc : op59833,g8g2700,5.3,,,10,1
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:38 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(2) Tetrachloro-m-xylene (SAB)

2.956min 3.105 PPB

response 225538493

(2) Tetrachloro-m-xylene #2 (SAB)

3.653min 3.069 PPB

response 622082130

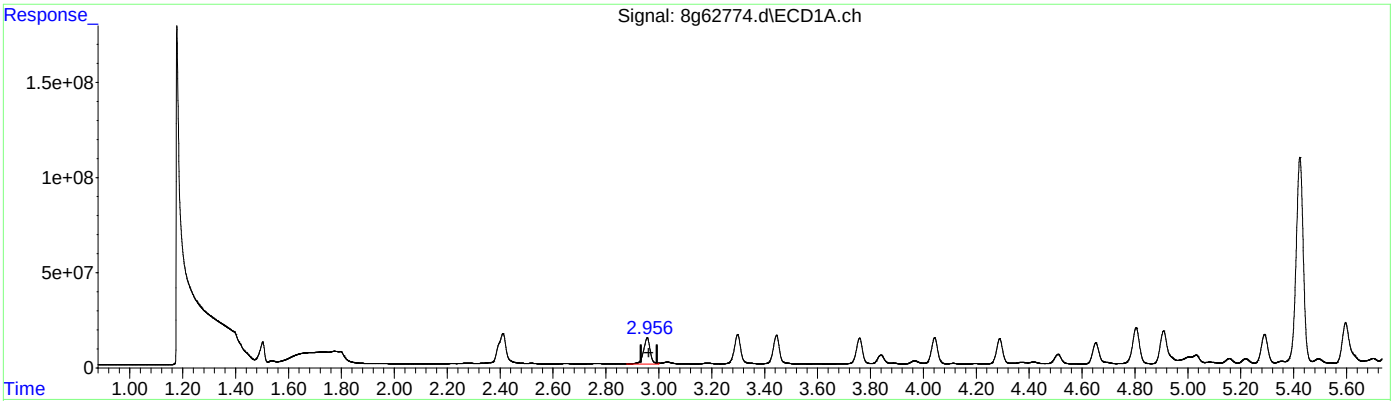
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:34:31 2024

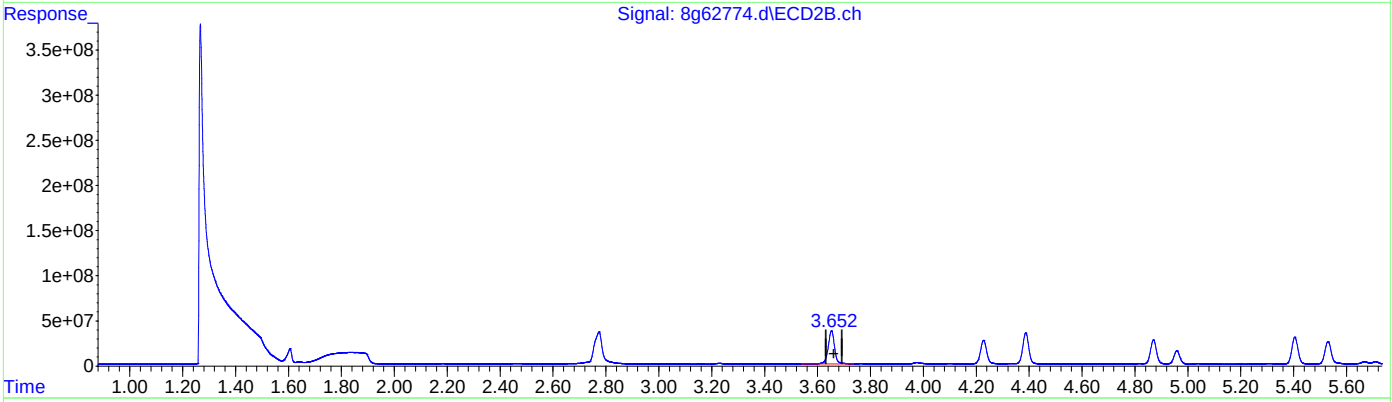
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62774.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:07 am
Operator : christp
Sample : op59833-ms m
Misc : op59833,g8g2700,5.3,,,10,1
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:38 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(2) Tetrachloro-m-xylene (SAB)

2.956min 3.305 PPB m

response 240079068

(2) Tetrachloro-m-xylene #2 (SAB)

3.653min 3.069 PPB

response 622082130

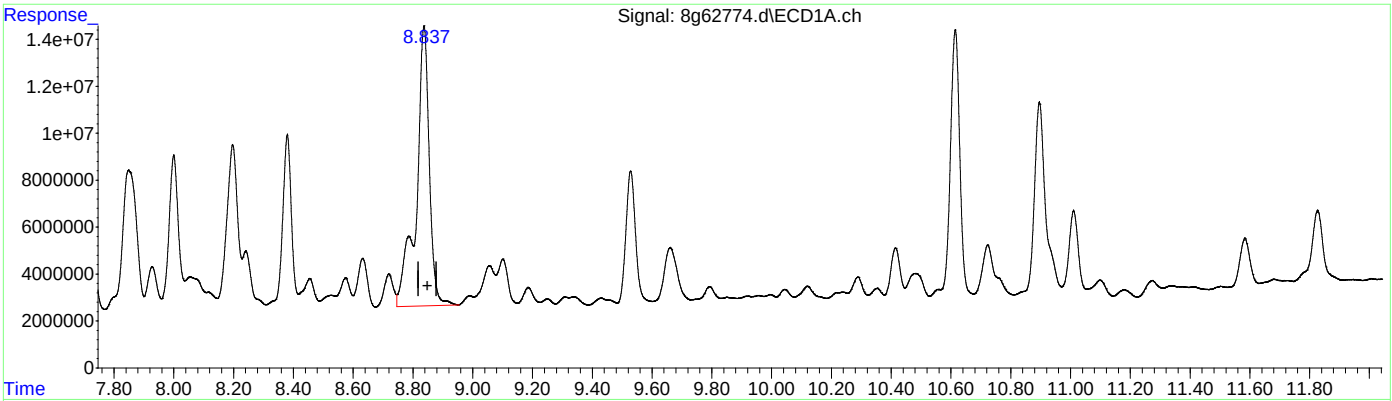
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:34:36 2024

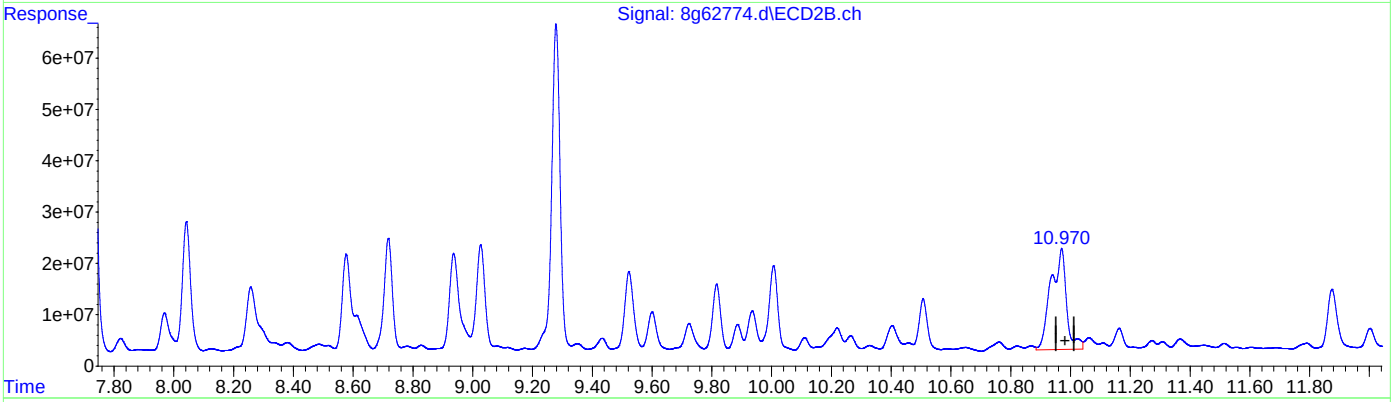
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62774.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:07 am
Operator : christp
Sample : op59833-ms m
Misc : op59833,g8g2700,5.3,,,10,1
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:38 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(25) Endrin Ketone (B)

8.837min 4.040 PPB

response 361031251

(25) Endrin Ketone #2 (B)

10.970min 3.530 PPB

response 713564225

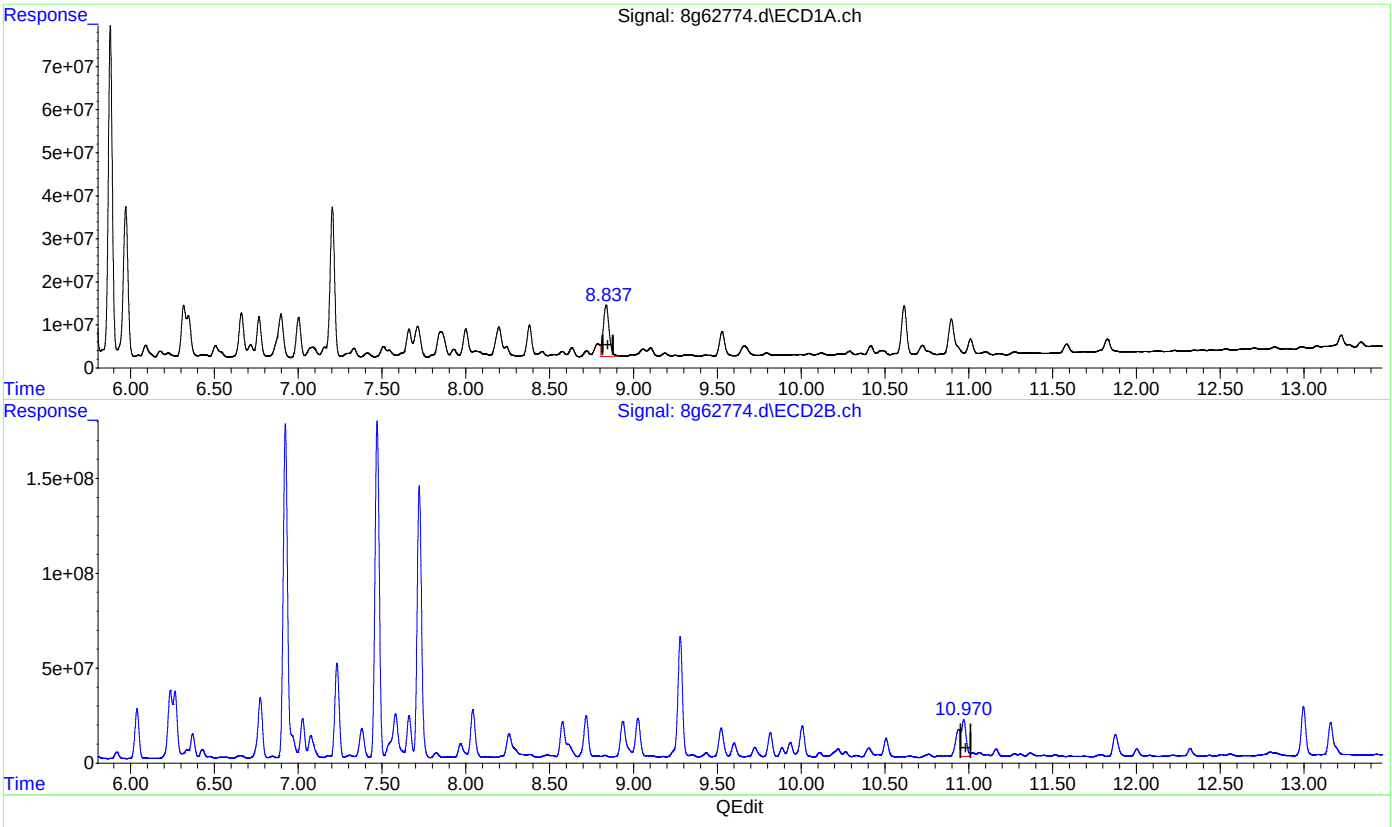
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:35:04 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62774.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:07 am
Operator : christp
Sample : op59833-ms m
Misc : op59833,g8g2700,5.3,,,10,1
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:38 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(25) Endrin Ketone (B)

8.837min 3.199 PPB m

response 285829666

(25) Endrin Ketone #2 (B)

10.970min 1.961 PPB m

response 396342222

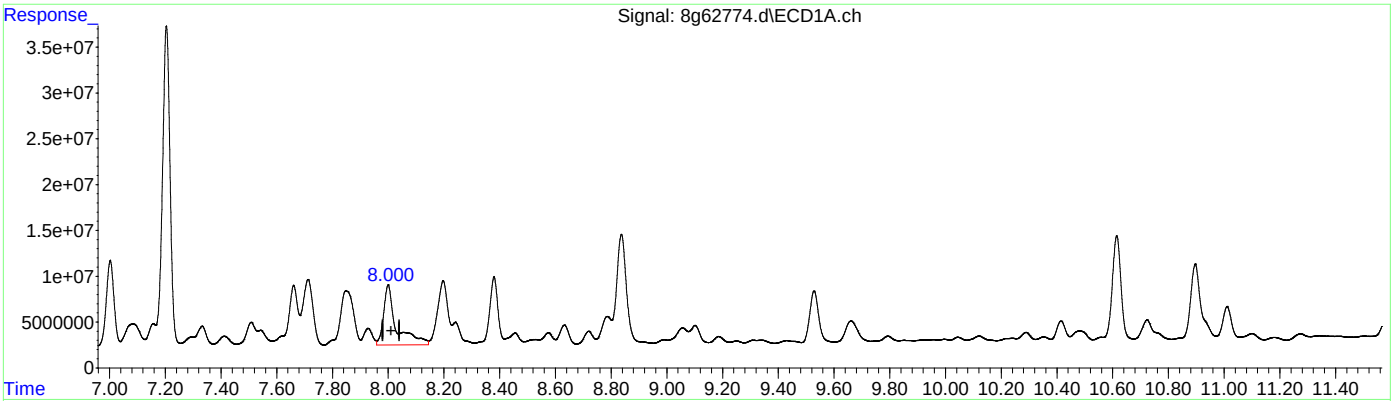
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:35:20 2024

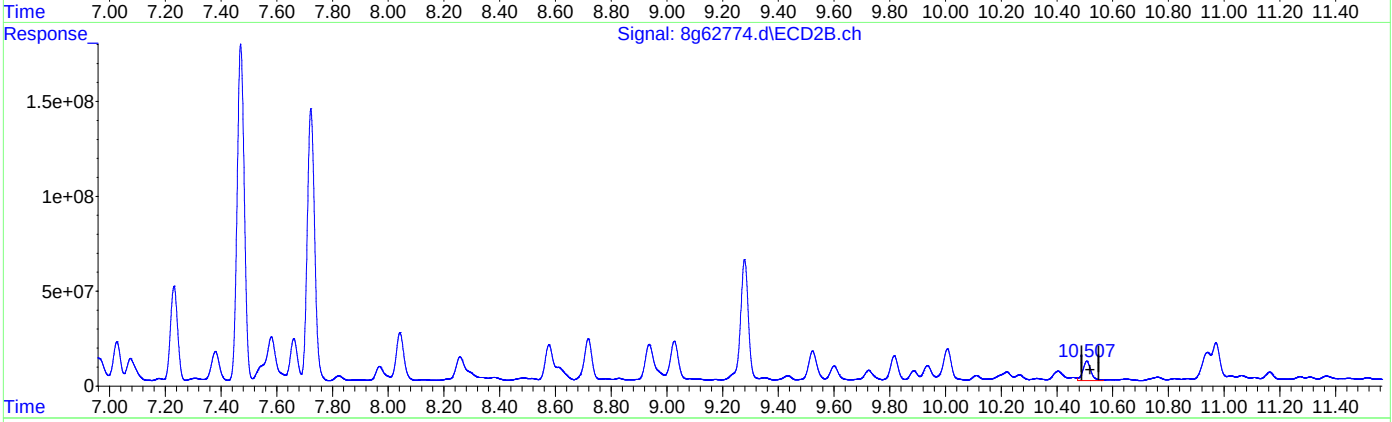
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62774.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:07 am
Operator : christp
Sample : op59833-ms m
Misc : op59833,g8g2700,5.3,,,10,1
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:38 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(23) Methoxychlor (A)

8.000min 4.925 PPB

response 210032768

(23) Methoxychlor #2 (A)

10.507min 3.141 PPB

response 207886442

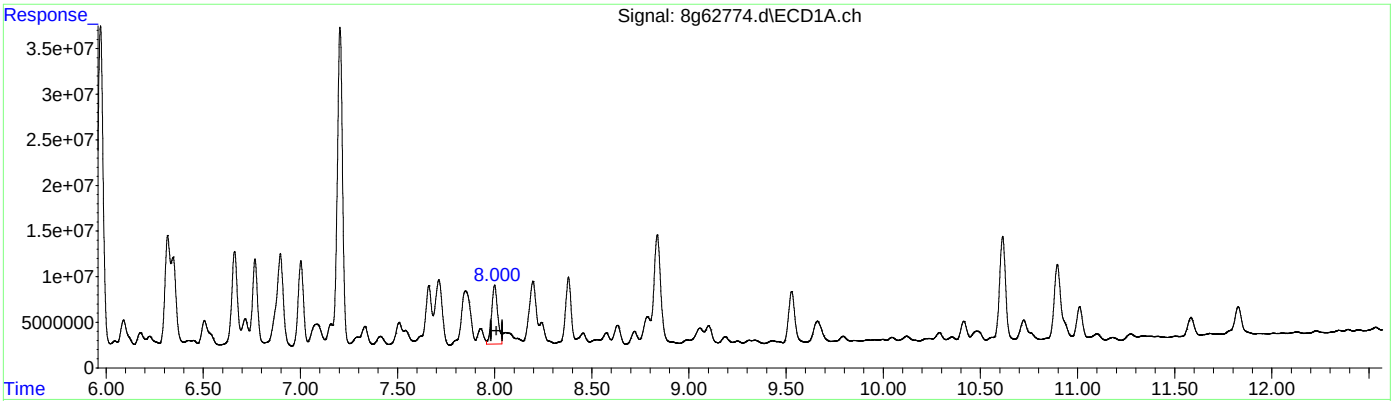
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:35:40 2024

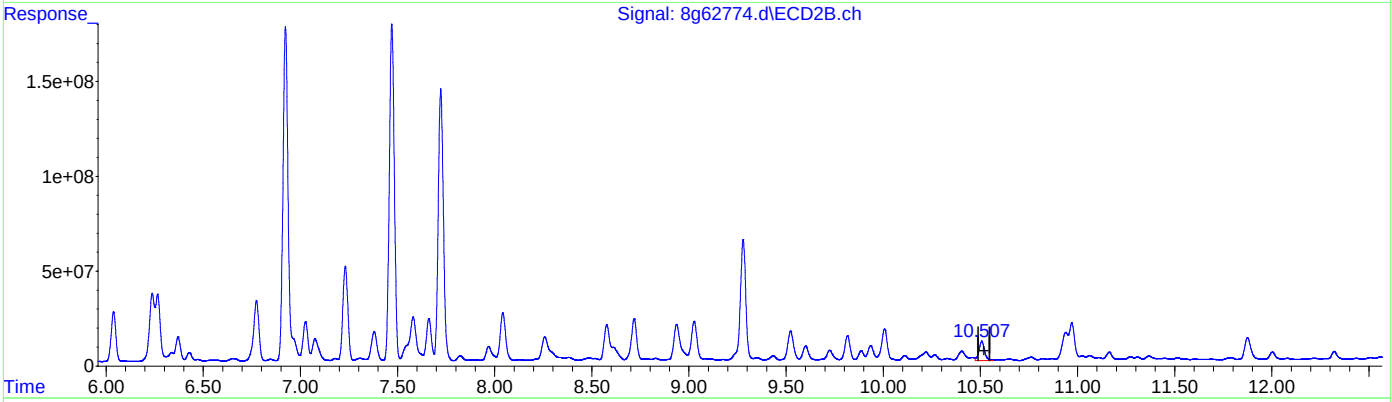
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62774.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:07 am
Operator : christp
Sample : op59833-ms m
Misc : op59833,g8g2700,5.3,,,10,1
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:38 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(23) Methoxychlor (A)

8.000min 3.337 PPB m

response 142330667

(23) Methoxychlor #2 (A)

10.507min 3.141 PPB

response 207886442

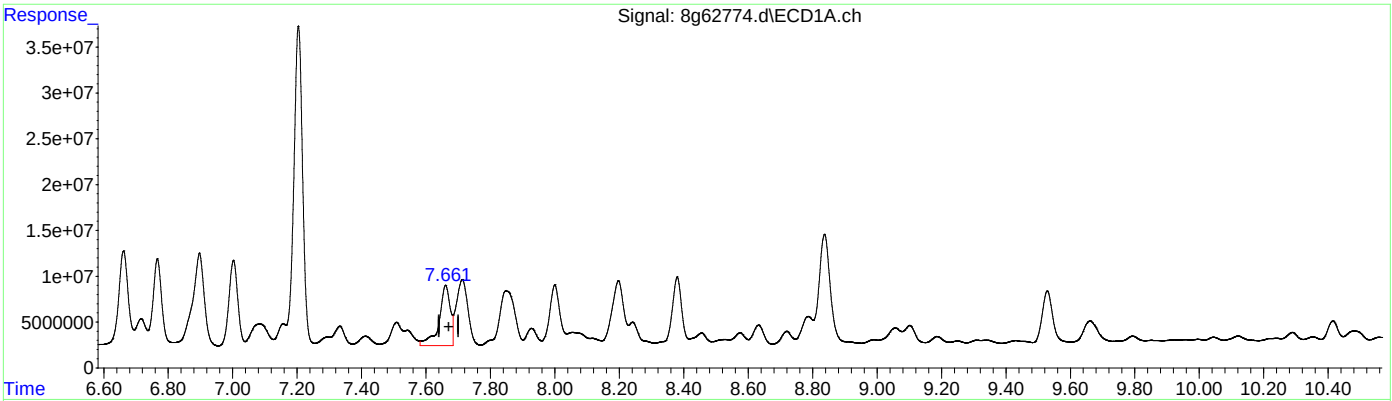
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:35:46 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62774.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:07 am
Operator : christp
Sample : op59833-ms m
Misc : op59833,g8g2700,5.3,,,10,1
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:38 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(21) Endrin Aldehyde (B)

7.661min 2.551 PPB

response 159109061

(21) Endrin Aldehyde #2 (B)

9.523min 2.650 PPB

response 340752209

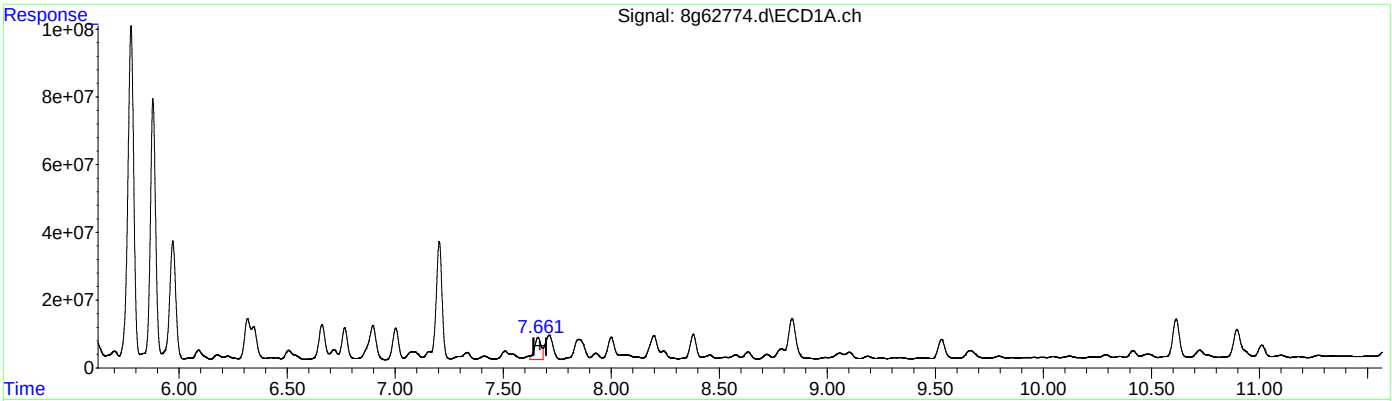
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:35:58 2024

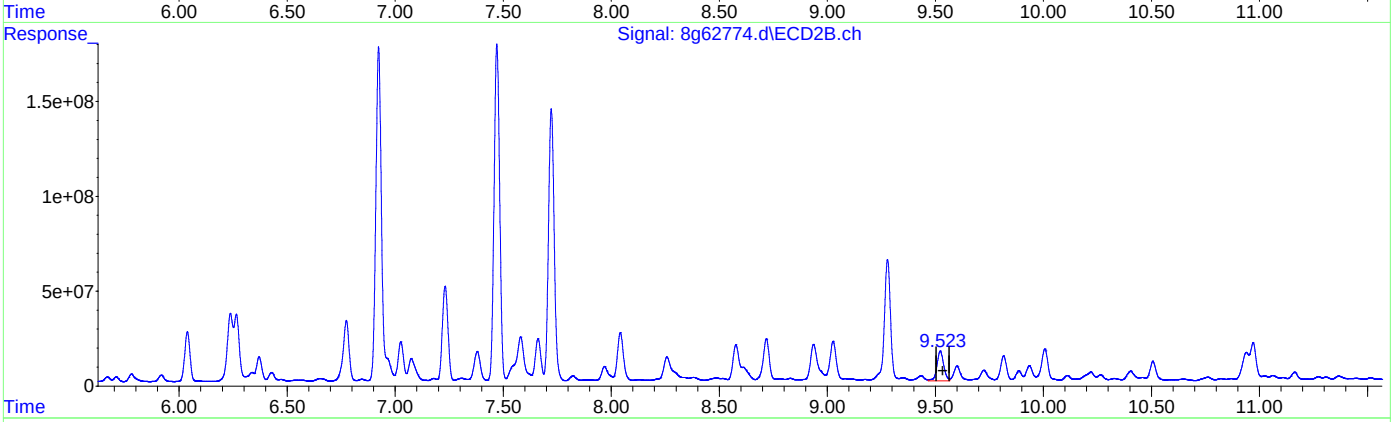
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62774.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:07 am
Operator : christp
Sample : op59833-ms m
Misc : op59833,g8g2700,5.3,,,10,1
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:38 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(21) Endrin Aldehyde (B)

7.661min 2.265 PPB m

response 141284547

(21) Endrin Aldehyde #2 (B)

9.523min 2.650 PPB

response 340752209

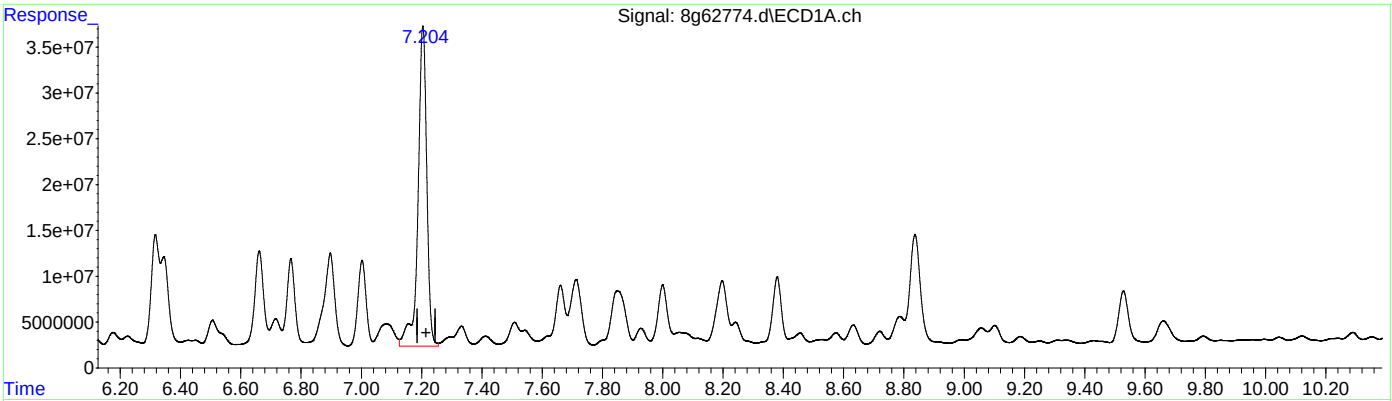
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:36:01 2024

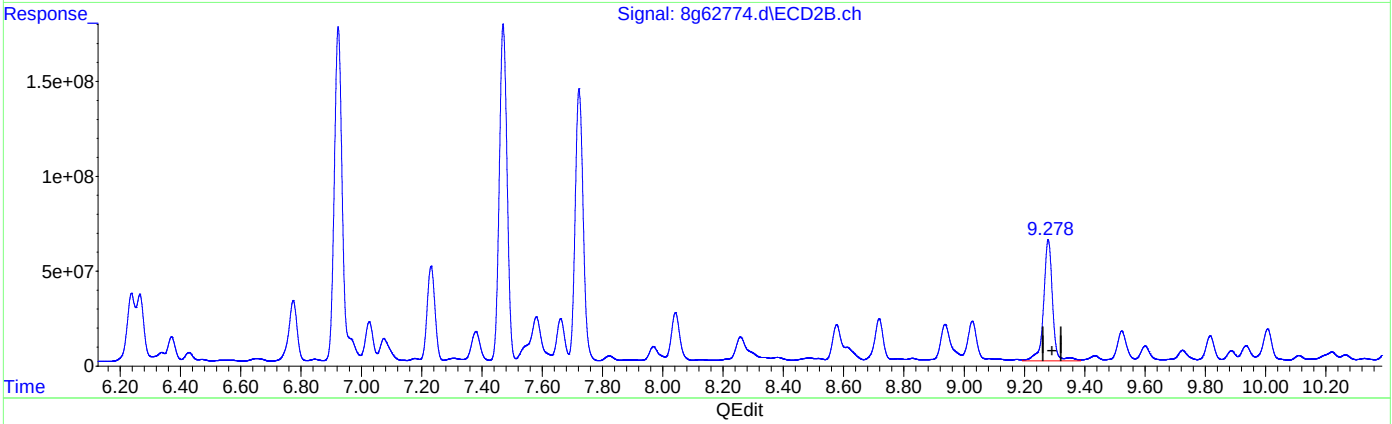
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62774.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:07 am
Operator : christp
Sample : op59833-ms m
Misc : op59833,g8g2700,5.3,,,10,1
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:38 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(20) 4,4'-DDT (MA)

7.204min 9.610 PPB

response 704965675

(20) 4,4'-DDT #2 (MA)

9.279min 9.945 PPB

response 1324966255

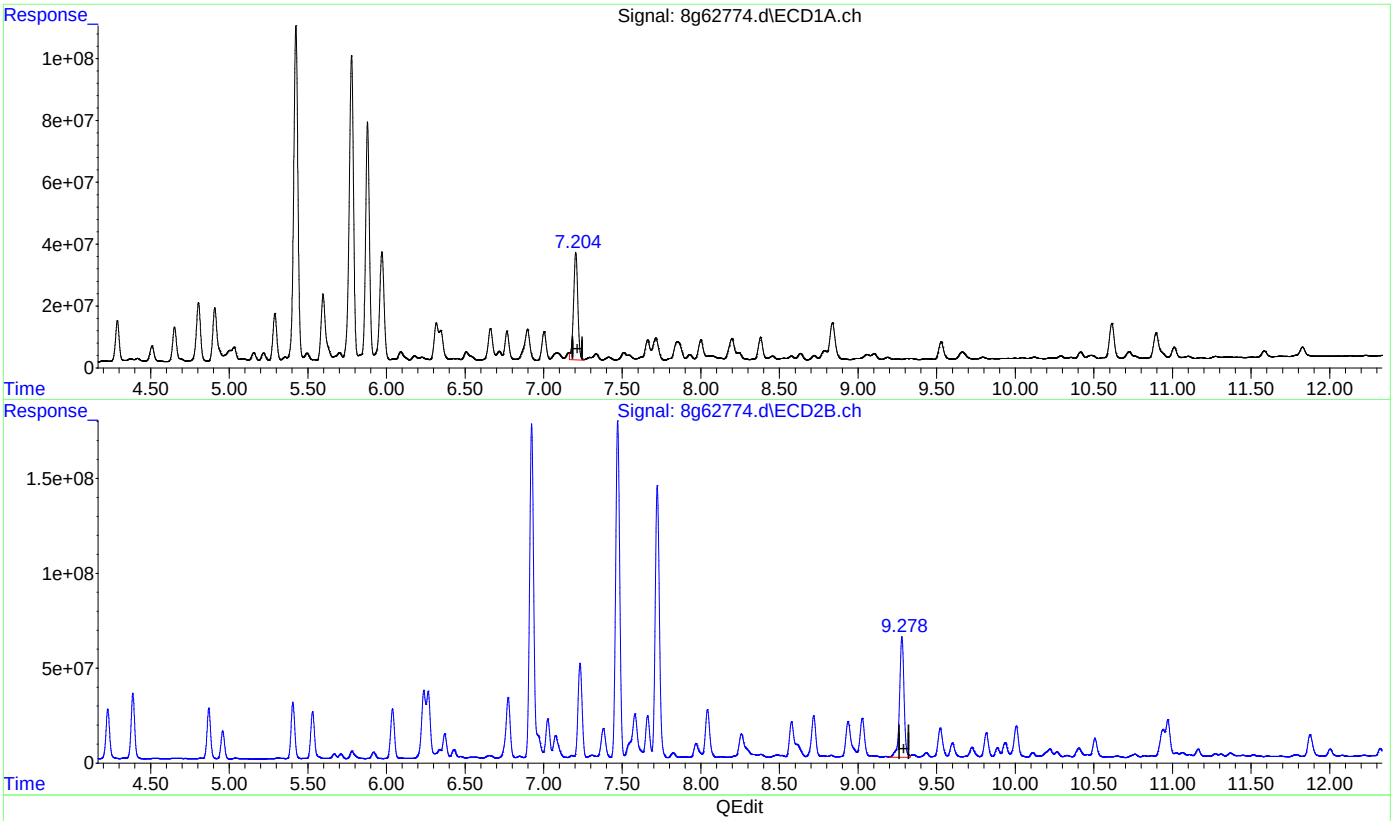
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:36:26 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62774.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:07 am
Operator : christp
Sample : op59833-ms m
Misc : op59833,g8g2700,5.3,,,10,1
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:38 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(20) 4,4'-DDT (MA)

7.204min 8.907 PPB m

response 653383766

(20) 4,4'-DDT #2 (MA)

9.278min 9.487 PPB m

response 1264020036

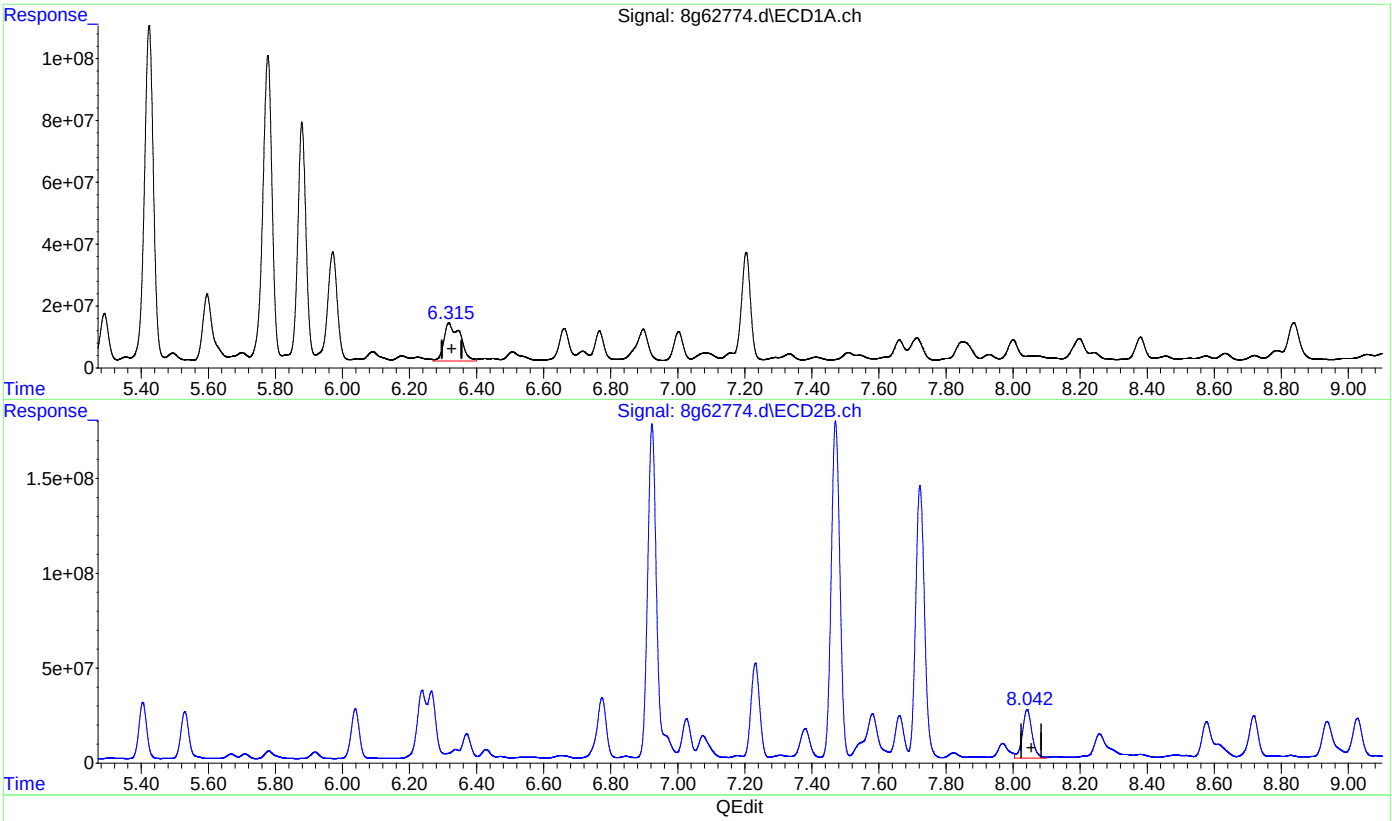
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:36:35 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62774.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:07 am
Operator : christp
Sample : op59833-ms m
Misc : op59833,g8g2700,5.3,,,10,1
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:38 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(16) Dieldrin (MA)

6.318min 4.759 PPB

response 410629870

(16) Dieldrin #2 (MA)

8.042min 2.608 PPB

response 510743329

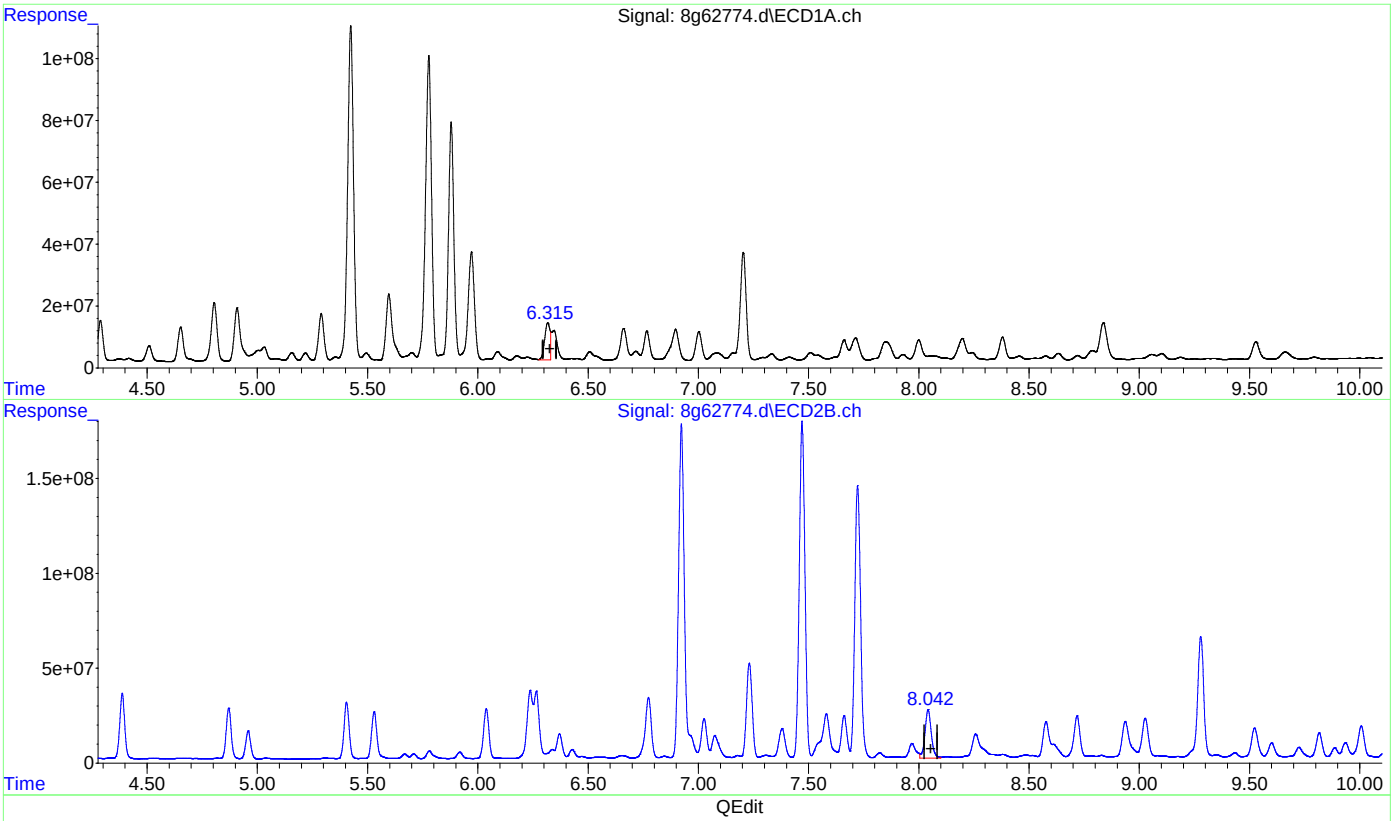
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:36:43 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62774.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:07 am
Operator : christp
Sample : op59833-ms m
Misc : op59833,g8g2700,5.3,,,10,1
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:38 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(16) Dieldrin (MA)

6.315min 2.311 PPB m

response 199369465

(16) Dieldrin #2 (MA)

8.042min 2.608 PPB

response 510743329

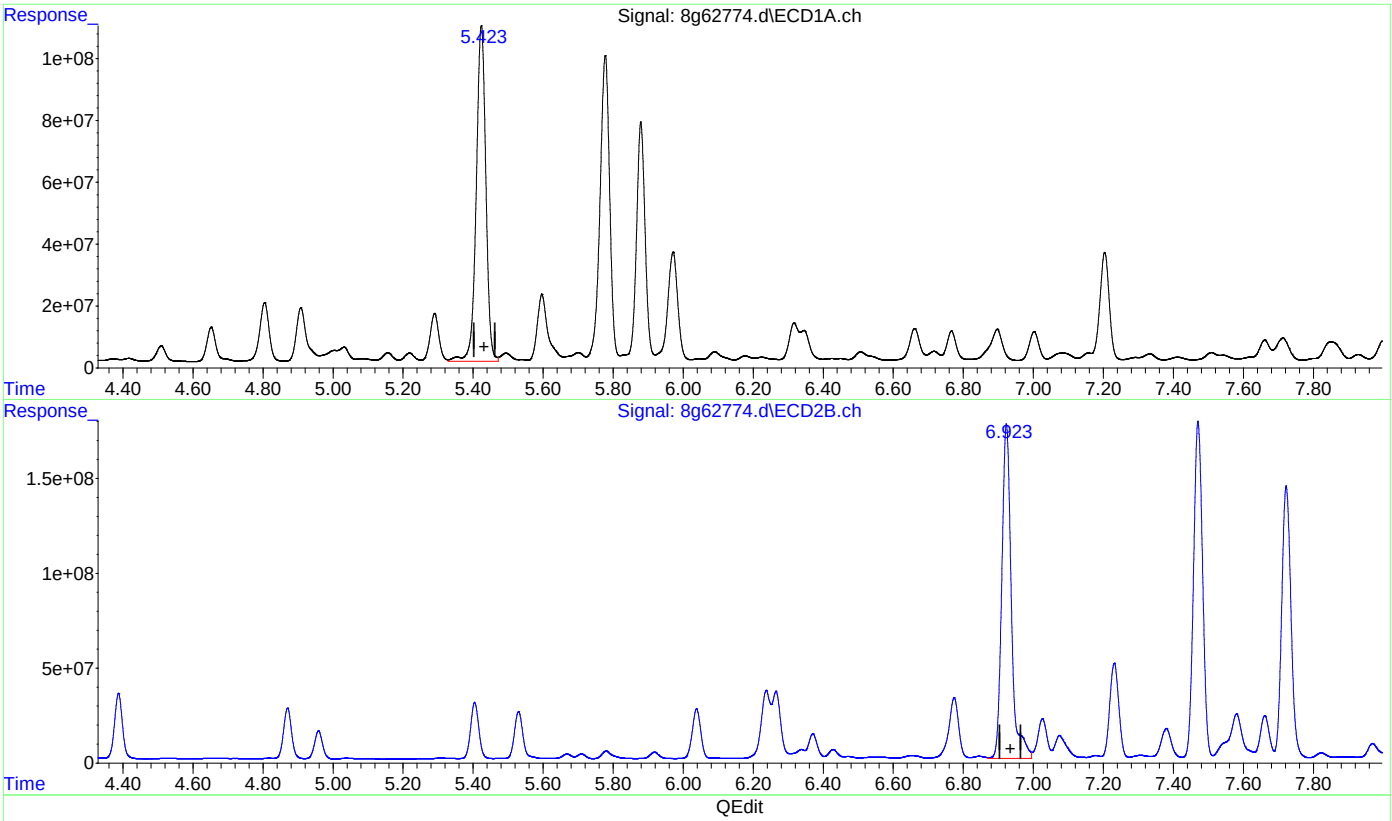
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:36:52 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62774.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:07 am
Operator : christp
Sample : op59833-ms m
Misc : op59833,g8g2700,5.3,,,10,1
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:38 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(11) Heptachlor Epoxide (B)

5.424min 24.290 PPB

response 2074745284

(11) Heptachlor Epoxide #2 (B)

6.923min 17.285 PPB

response 3325935094

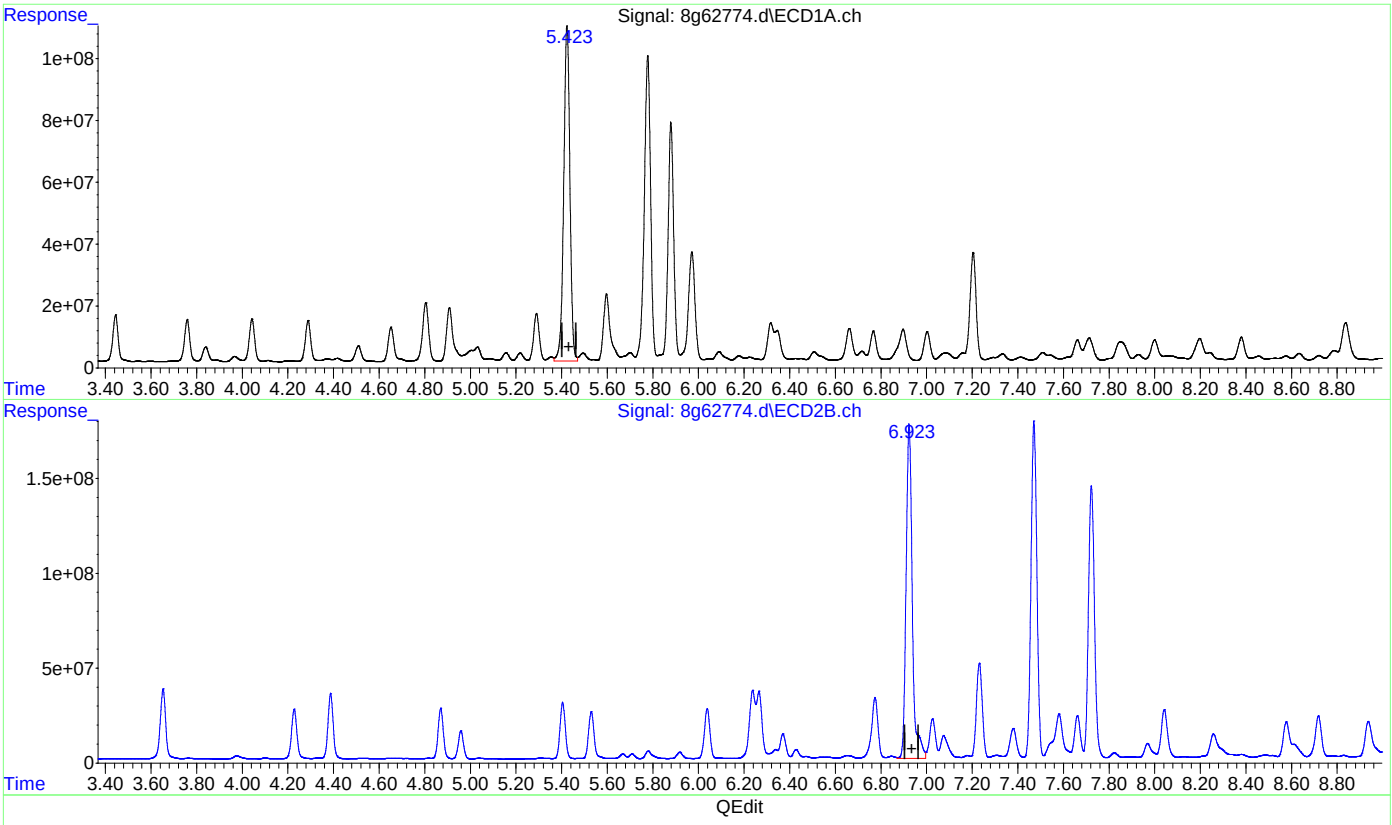
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:37:00 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62774.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:07 am
Operator : christp
Sample : op59833-ms m
Misc : op59833,g8g2700,5.3,,,10,1
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:38 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(11) Heptachlor Epoxide (B)

5.423min 23.932 PPB m

response 2044174498

(11) Heptachlor Epoxide #2 (B)

6.923min 17.285 PPB

response 3325935094

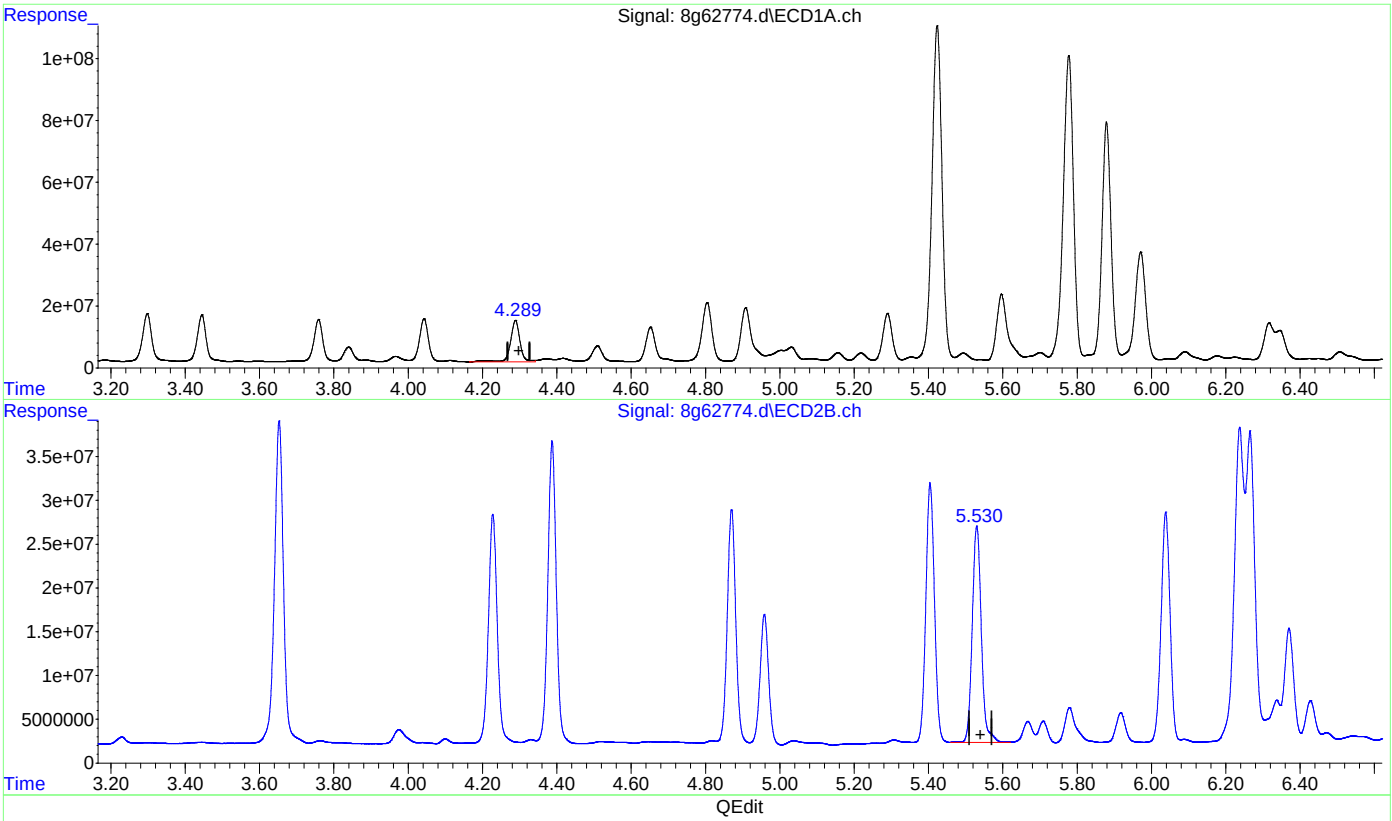
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:37:05 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62774.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:07 am
Operator : christp
Sample : op59833-ms m
Misc : op59833,g8g2700,5.3,,,10,1
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:38 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(6) Heptachlor (MA)

4.289min 2.440 PPB

response 238962714

(6) Heptachlor #2 (MA)

5.530min 2.147 PPB

response 422313551

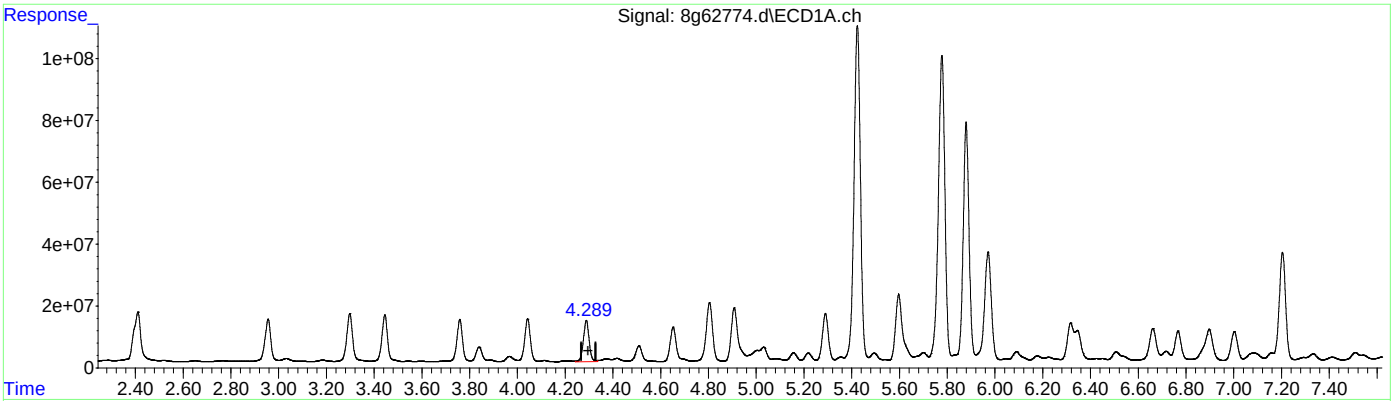
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:38:56 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62774.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:07 am
Operator : christp
Sample : op59833-ms m
Misc : op59833,g8g2700,5.3,,,10,1
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:38 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(6) Heptachlor (MA)

4.289min 2.294 PPB m

response 224732625

(6) Heptachlor #2 (MA)

5.530min 2.147 PPB

response 422313551

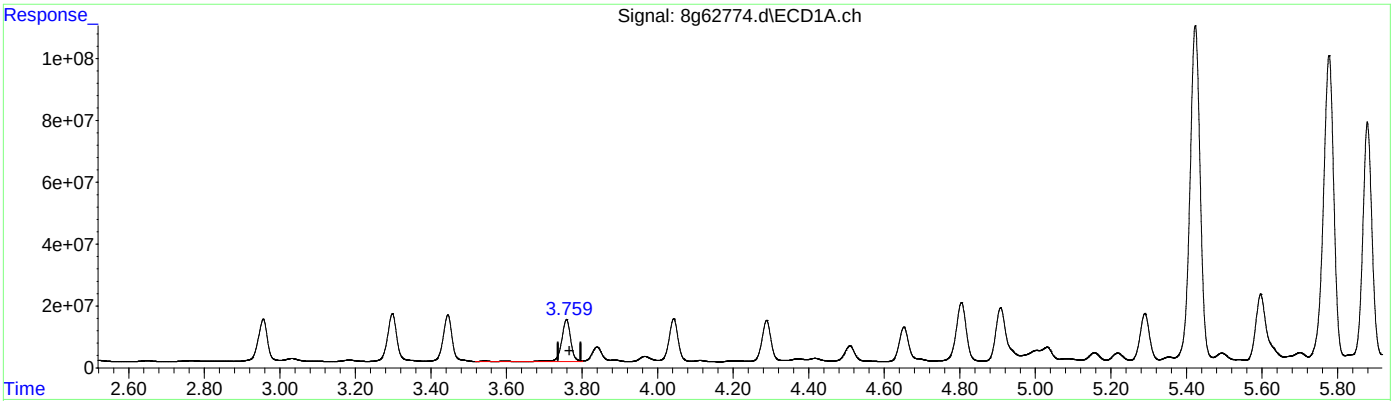
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:39:02 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62774.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:07 am
Operator : christp
Sample : op59833-ms m
Misc : op59833,g8g2700,5.3,,,10,1
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:38 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(5) gamma-BHC (MA)

3.759min 2.430 PPB

response 231036259

(5) gamma-BHC #2 (MA)

4.870min 1.944 PPB

response 432864341

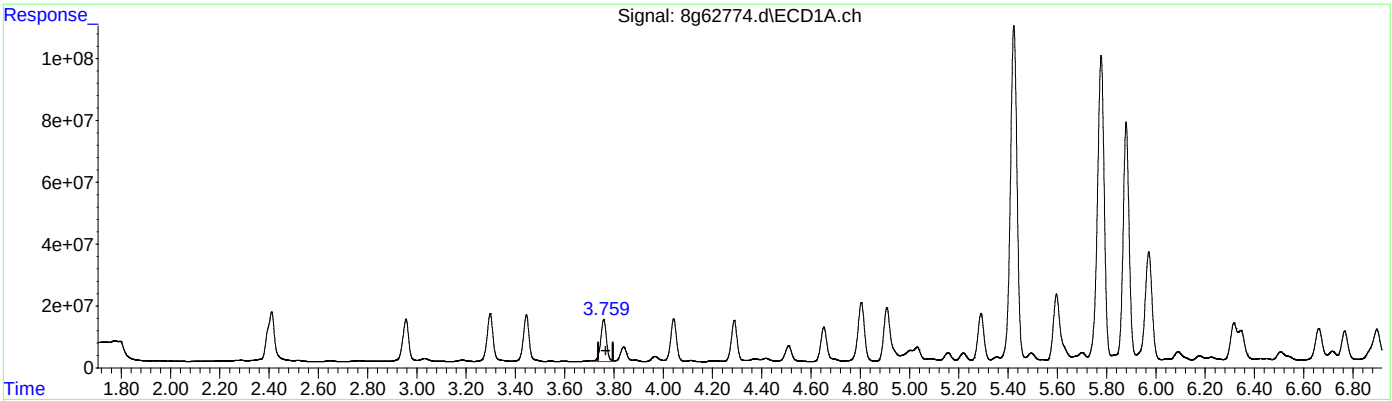
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:39:05 2024

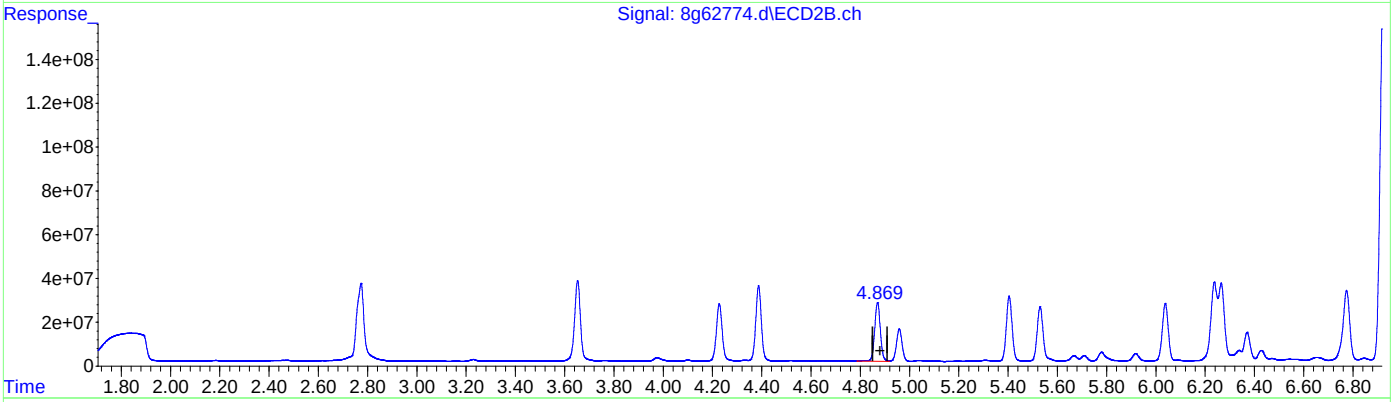
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62774.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:07 am
Operator : christp
Sample : op59833-ms m
Misc : op59833,g8g2700,5.3,,,10,1
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:38 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(5) gamma-BHC (MA)

3.759min 2.359 PPB m

response 224266289

(5) gamma-BHC #2 (MA)

4.870min 1.944 PPB

response 432864341

(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:39:18 2024

Manual Integrations APPROVED (compounds with "m" flag)
Syra Marie Pacheco
12/09/24 02:55

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62775.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:31 am
Operator : christp
Sample : op59833-msd m
Misc : op59833,g8g2700,5.2,,,10,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:42:51 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
		Internal Standards						
1)	I	1-bromo-2...	2.406	2.769	348.7E6	716.4E6	5.000	5.000
27)	I	1-bromo-2...	2.406	2.769	348.7E6	716.4E6	5.000	5.000
33)	I	1-bromo-2...	2.406	2.769	348.7E6	716.4E6	5.000	5.000
		System Monitoring Compounds						
2)	SAB	Tetrachlo...	2.954	3.651	210.9E6	567.4E6	3.135	3.232
		Spiked Amount 40.000	Range 30 - 150		Recovery =		7.84%#	8.08%#
26)	SA	Decachlor...	10.615	12.998	222.4E6	511.3E6	3.437	5.150 #
		Spiked Amount 40.000			Recovery =		8.59%	12.88%
		Target Compounds						
3)		hexachlor...	3.296	4.227	257.5E6	416.7E6	2.429	2.231
4)	A	alpha-BHC	3.443	4.386	244.0E6	499.6E6	2.605	2.291m
5)	MA	gamma-BHC	3.757	4.869	201.9E6	402.7E6	2.293	2.088m
6)	MA	Heptachlor	4.288	5.529	202.7E6	397.2E6	2.235m	2.332m
7)	B	beta-BHC	3.838	4.959	84544267	217.2E6	2.033	2.207
8)	B	delta-BHC	4.041	5.405	206.1E6	449.9E6	2.331	2.408
9)	MB	Aldrin	4.651	6.038	193.3E6	437.9E6	2.411	2.483
10)		alachlor	4.804	5.779	375.9E6	84630104	31.306	3.217 #
11)	B	Heptachlo...	5.422	6.924	2082.5E6	3423.2E6	26.324m	20.546
12)	B	gamma-Chl...	5.596	7.232	476.9E6	924.9E6	5.656	5.615m
13)	B	alpha-Chl...	5.777	7.472	1959.6E6	3319.6E6	24.955	20.287
14)	A	Endosulfan I	5.970f	7.582	736.3E6	533.2E6	10.036	3.556m#
15)	B	4,4'-DDE	5.879	7.724	1345.8E6	2685.1E6	16.744	16.927
16)	MA	Dieldrin	6.316	8.043	204.7E6	483.2E6	2.561m	2.850
17)	MA	Endrin	6.662	8.579	214.9E6	510.5E6	3.411	4.178
18)	A	4,4'-DDD	6.767	8.719	185.9E6	459.3E6	2.762	3.293
19)	B	Endosulfa...	7.003	8.938	167.8E6	447.1E6	2.387	3.154 #
20)	MA	4,4'-DDT	7.203	9.279	656.5E6	1302.1E6	9.662m	11.286
21)	B	Endrin Al...	7.661	9.524	143.5E6	331.4E6	2.484	2.977
22)	B	Endosulfa...	8.379	10.006	143.7E6	327.2E6	2.199	2.554
23)	A	Methoxychlor	8.000	10.508	137.4E6	191.0E6	3.479m	3.332
24)		Mirex	8.195	10.939	161.0E6	277.2E6	2.686m	3.374m#
25)	B	Endrin Ke...	8.838	10.970	279.5E6	390.3E6	3.377m	2.230m#

SemiQuant Compounds - Not Calibrated on this Instrument

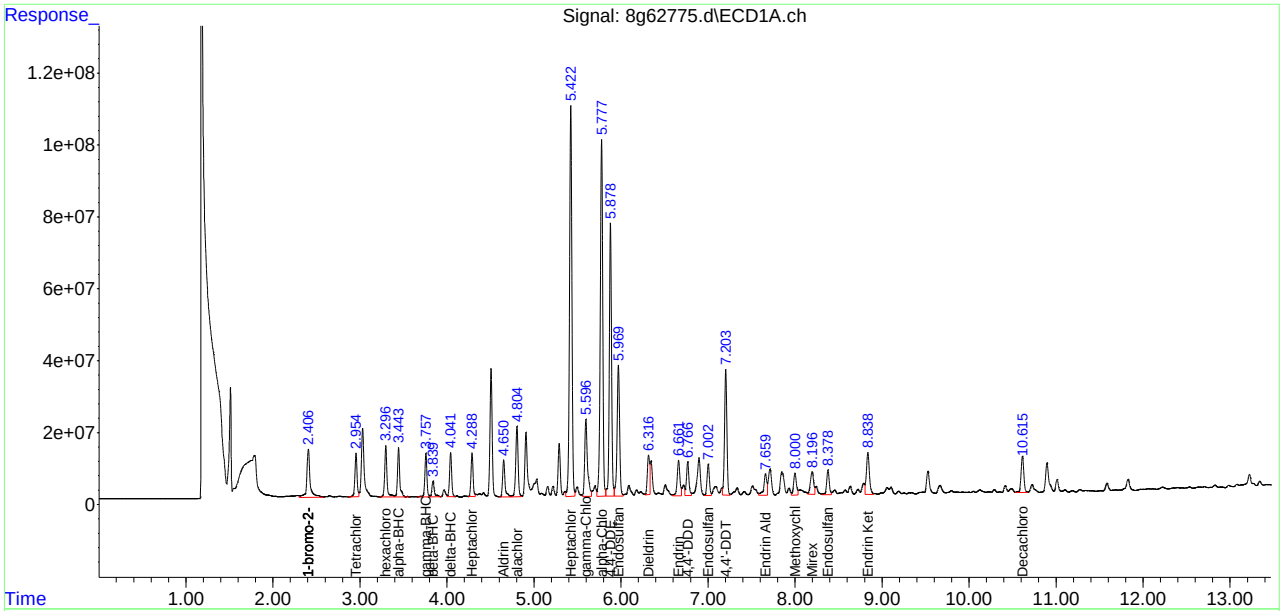
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

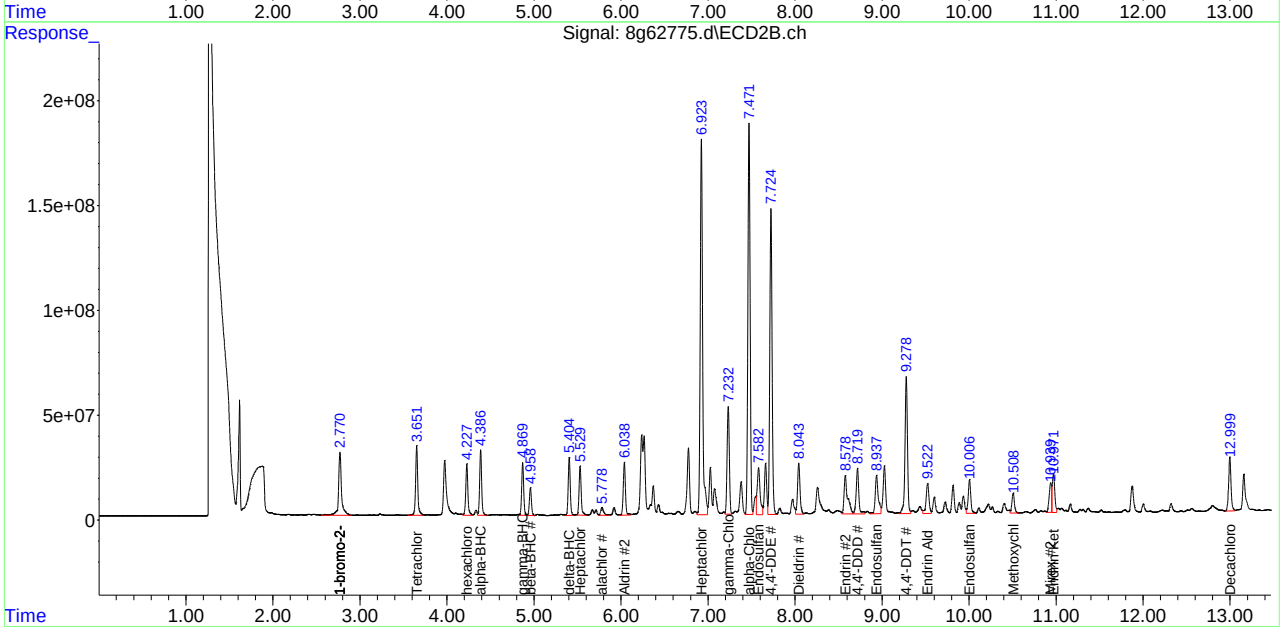
Quantitation Report (QT Reviewed)

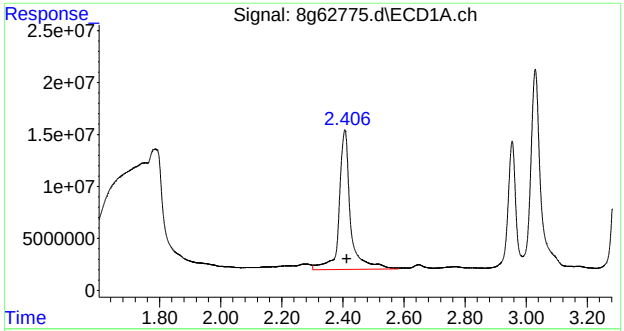
Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62775.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:31 am
Operator : christp
Sample : op59833-msd m
Misc : op59833,g8g2700,5.2,,,10,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:42:51 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

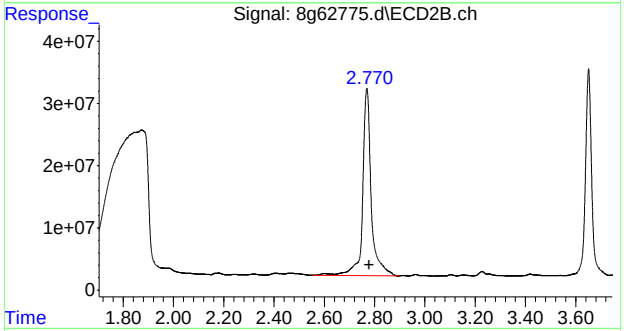






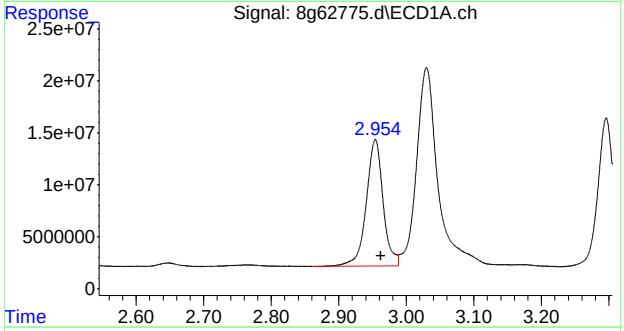
#1 1-bromo-2-nitrobenzene

R.T.: 2.406 min
Delta R.T.: -0.007 min
Response: 348744873
Conc: 5.00 PPB



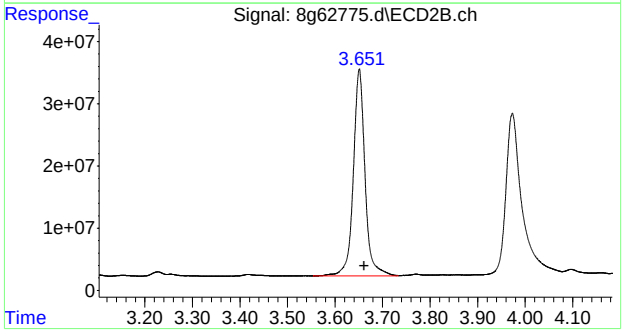
#1 1-bromo-2-nitrobenzene

R.T.: 2.769 min
Delta R.T.: -0.009 min
Response: 716412005
Conc: 5.00 PPB



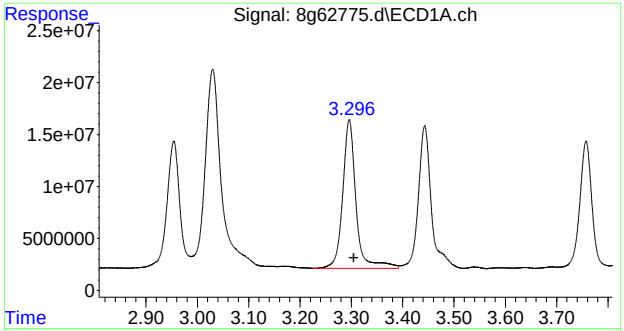
#2 Tetrachloro-m-xylene

R.T.: 2.954 min
Delta R.T.: -0.008 min
Response: 210946722
Conc: 3.14 PPB



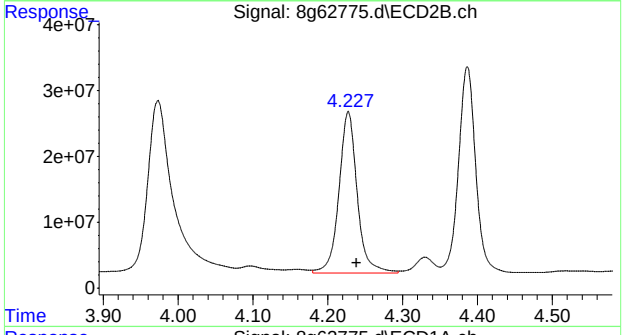
#2 Tetrachloro-m-xylene

R.T.: 3.651 min
Delta R.T.: -0.010 min
Response: 567379115
Conc: 3.23 PPB



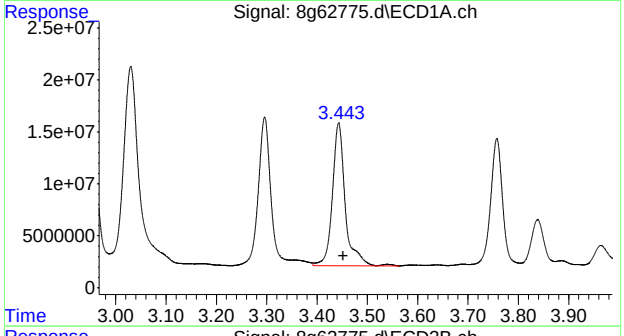
#3 hexachlorobenzene

R.T.: 3.296 min
Delta R.T.: -0.009 min
Response: 257461633
Conc: 2.43 PPB



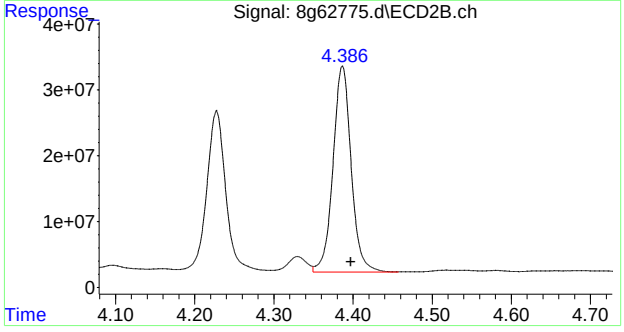
#3 hexachlorobenzene

R.T.: 4.227 min
Delta R.T.: -0.011 min
Response: 416662251
Conc: 2.23 PPB



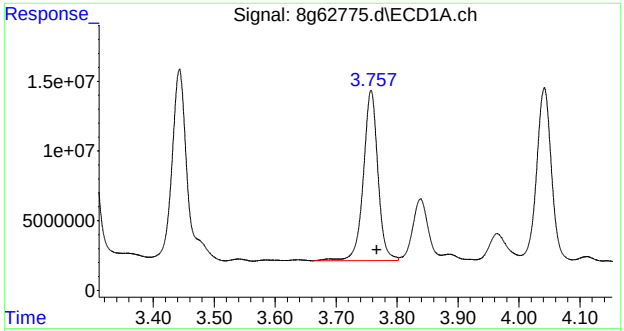
#4 alpha-BHC

R.T.: 3.443 min
Delta R.T.: -0.009 min
Response: 244023503
Conc: 2.60 PPB



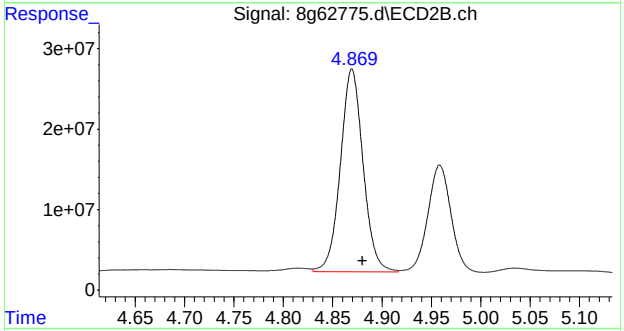
#4 alpha-BHC

R.T.: 4.386 min
Delta R.T.: -0.011 min
Response: 499585493
Conc: 2.29 PPB m



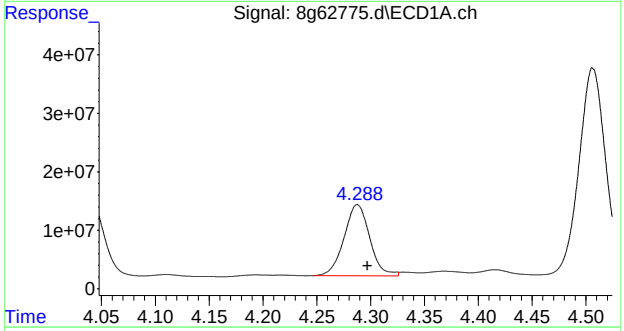
#5 gamma-BHC

R.T.: 3.757 min
Delta R.T.: -0.009 min
Response: 201887433
Conc: 2.29 PPB



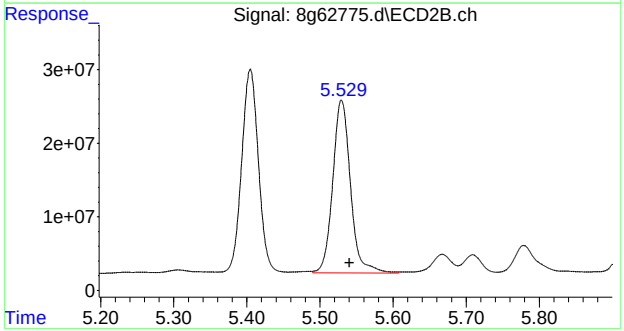
#5 gamma-BHC

R.T.: 4.869 min
Delta R.T.: -0.011 min
Response: 402734105
Conc: 2.09 PPB m



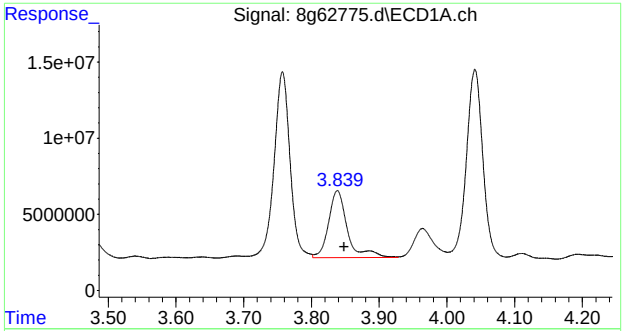
#6 Heptachlor

R.T.: 4.288 min
Delta R.T.: -0.009 min
Response: 202710991
Conc: 2.23 PPB m



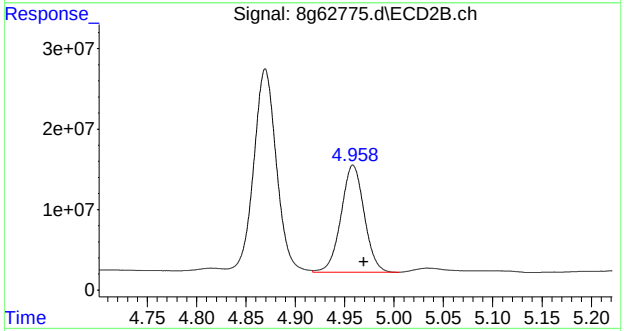
#6 Heptachlor

R.T.: 5.529 min
Delta R.T.: -0.011 min
Response: 397194920
Conc: 2.33 PPB m



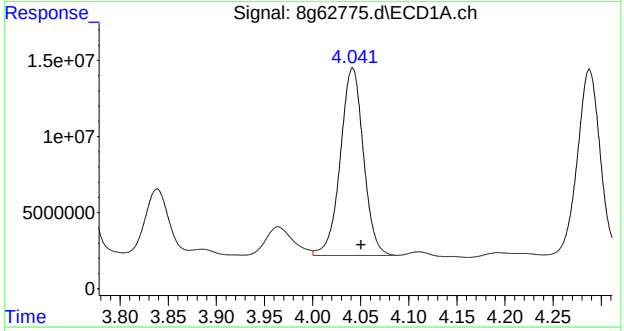
#7 beta-BHC

R.T.: 3.838 min
Delta R.T.: -0.010 min
Response: 84544267
Conc: 2.03 PPB



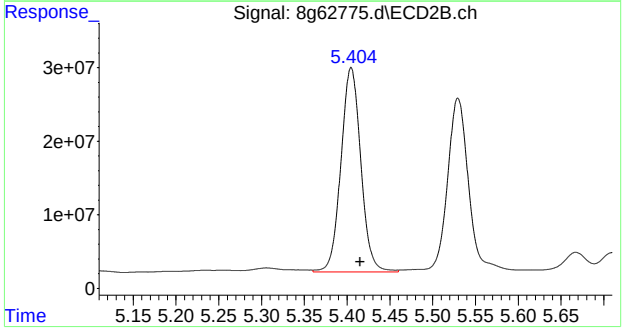
#7 beta-BHC

R.T.: 4.959 min
Delta R.T.: -0.011 min
Response: 217186282
Conc: 2.21 PPB



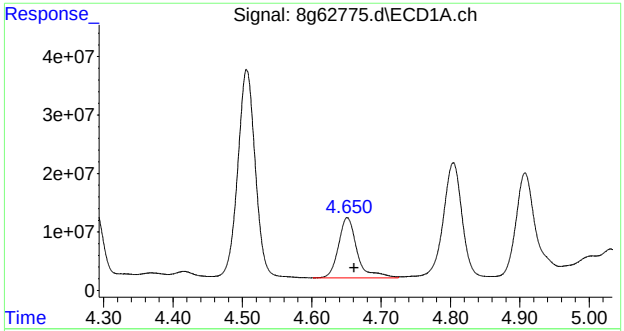
#8 delta-BHC

R.T.: 4.041 min
Delta R.T.: -0.009 min
Response: 206053613
Conc: 2.33 PPB



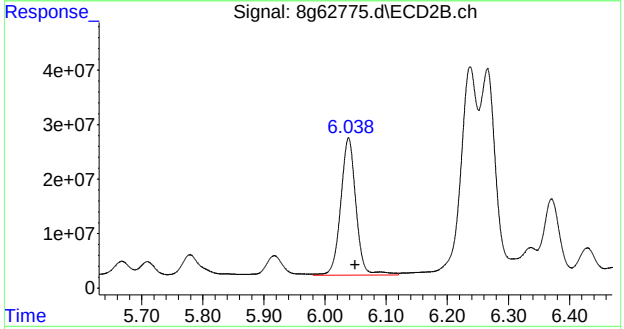
#8 delta-BHC

R.T.: 5.405 min
Delta R.T.: -0.010 min
Response: 449941799
Conc: 2.41 PPB



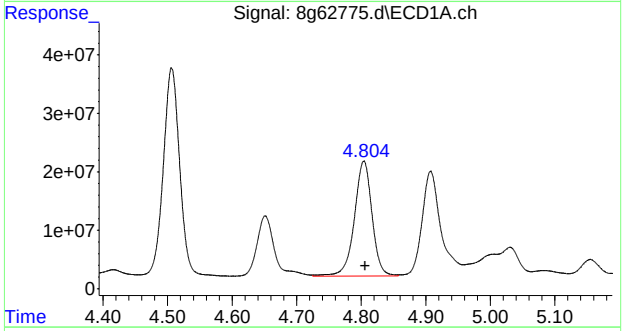
#9 Aldrin

R.T.: 4.651 min
Delta R.T.: -0.010 min
Response: 193335715
Conc: 2.41 PPB



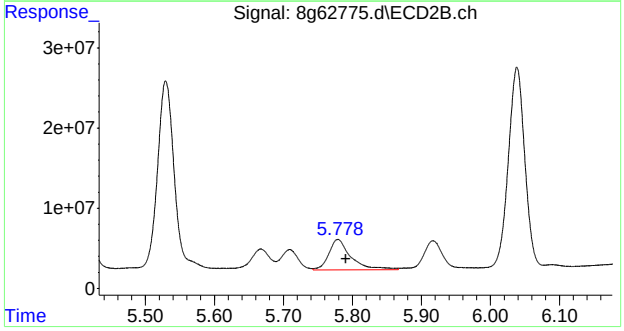
#9 Aldrin

R.T.: 6.038 min
Delta R.T.: -0.011 min
Response: 437906955
Conc: 2.48 PPB



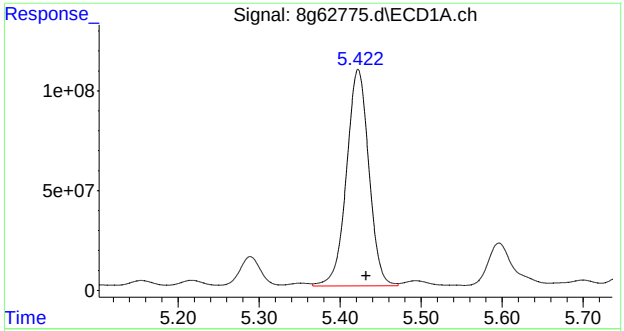
#10 alachlor

R.T.: 4.804 min
Delta R.T.: -0.002 min
Response: 375944310
Conc: 31.31 PPB



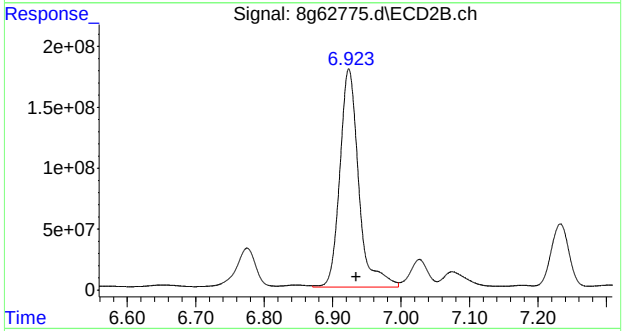
#10 alachlor

R.T.: 5.779 min
Delta R.T.: -0.011 min
Response: 84630104
Conc: 3.22 PPB



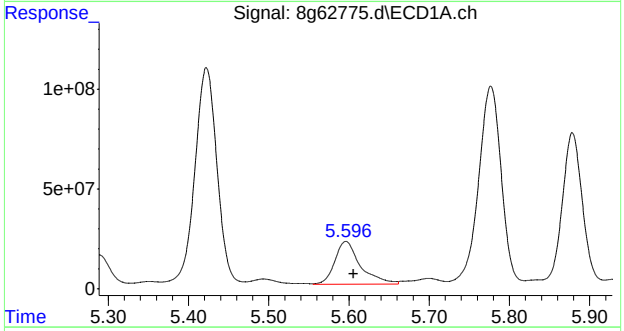
#11 Heptachlor Epoxide

R.T.: 5.422 min
Delta R.T.: -0.010 min
Response: 2082507508
Conc: 26.32 PPB m



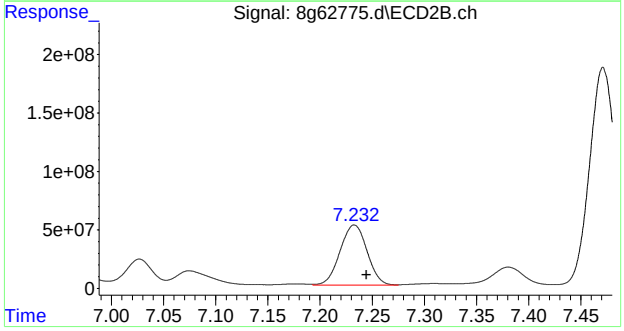
#11 Heptachlor Epoxide

R.T.: 6.924 min
Delta R.T.: -0.010 min
Response: 3423189463
Conc: 20.55 PPB



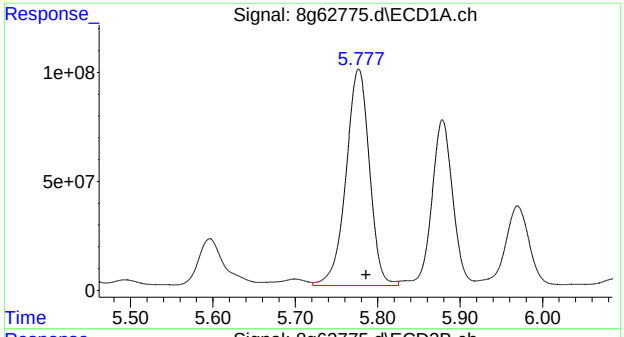
#12 gamma-Chlordane

R.T.: 5.596 min
Delta R.T.: -0.009 min
Response: 476906576
Conc: 5.66 PPB



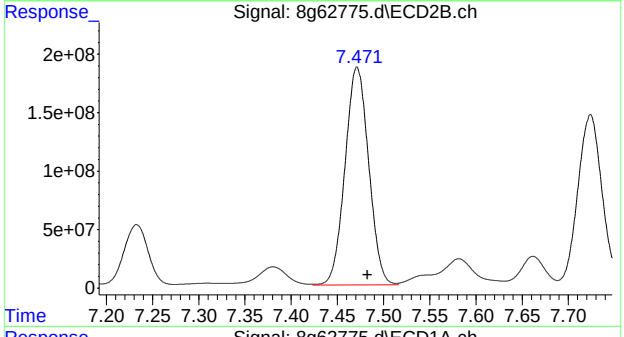
#12 gamma-Chlordane

R.T.: 7.232 min
Delta R.T.: -0.012 min
Response: 924888315
Conc: 5.62 PPB m



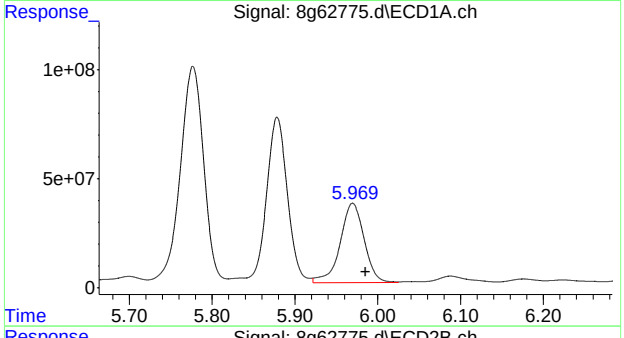
#13 alpha-Chlordane

R.T.: 5.777 min
Delta R.T.: -0.009 min
Response: 1959571582
Conc: 24.95 PPB



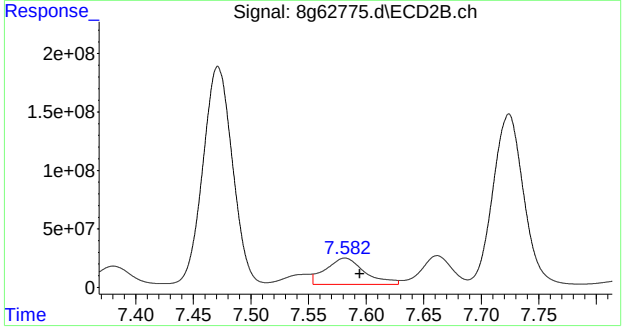
#13 alpha-Chlordane

R.T.: 7.472 min
Delta R.T.: -0.011 min
Response: 3319603861
Conc: 20.29 PPB



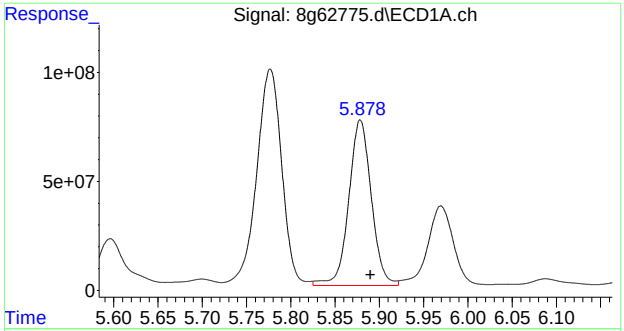
#14 Endosulfan I

R.T.: 5.970 min
Delta R.T.: -0.015 min
Response: 736287183
Conc: 10.04 PPB



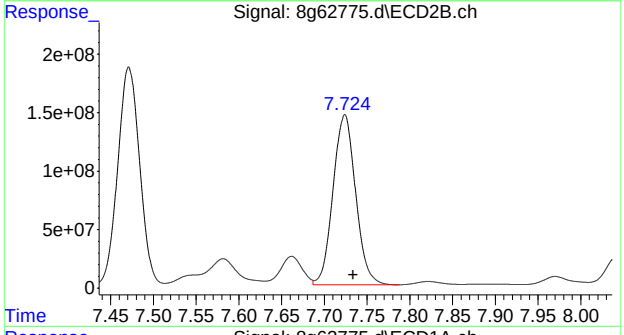
#14 Endosulfan I

R.T.: 7.582 min
Delta R.T.: -0.013 min
Response: 533237766
Conc: 3.56 PPB m



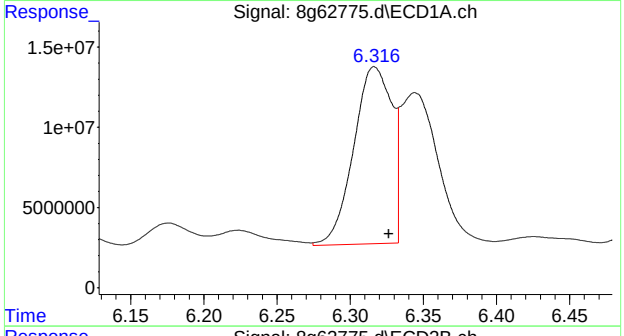
#15 4,4'-DDE

R.T.: 5.879 min
Delta R.T.: -0.011 min
Response: 1345833194
Conc: 16.74 PPB



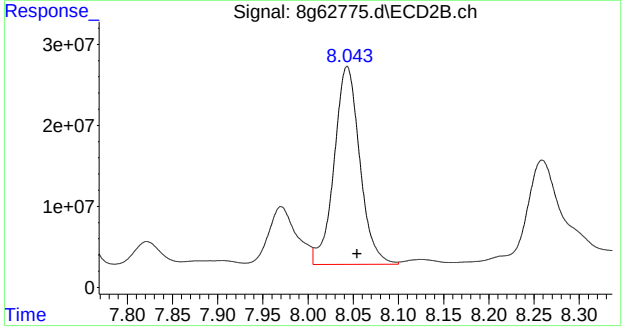
#15 4,4'-DDE

R.T.: 7.724 min
Delta R.T.: -0.010 min
Response: 2685114359
Conc: 16.93 PPB



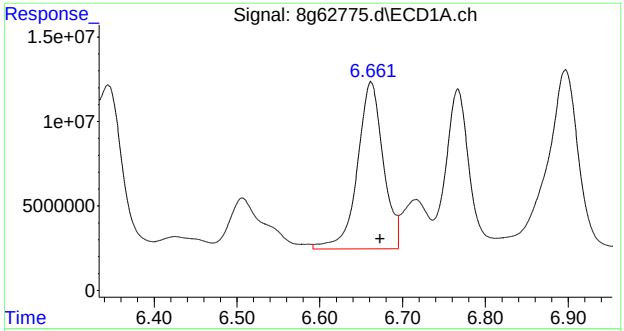
#16 Dieldrin

R.T.: 6.316 min
Delta R.T.: -0.010 min
Response: 204703221
Conc: 2.56 PPB m



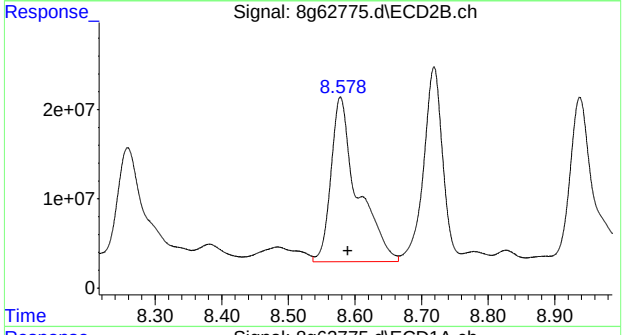
#16 Dieldrin

R.T.: 8.043 min
Delta R.T.: -0.011 min
Response: 483219832
Conc: 2.85 PPB



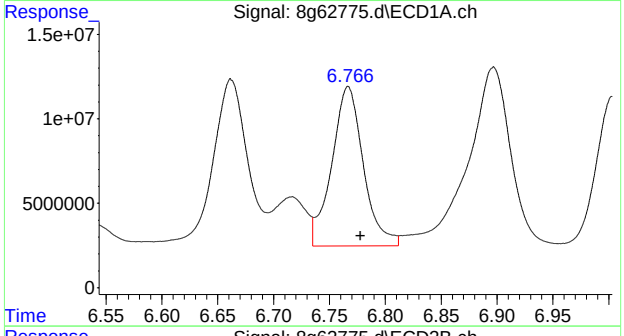
#17 Endrin

R.T.: 6.662 min
Delta R.T.: -0.011 min
Response: 214889740
Conc: 3.41 PPB



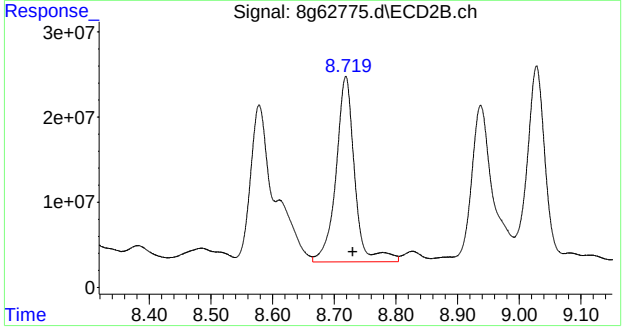
#17 Endrin

R.T.: 8.579 min
Delta R.T.: -0.011 min
Response: 510473684
Conc: 4.18 PPB



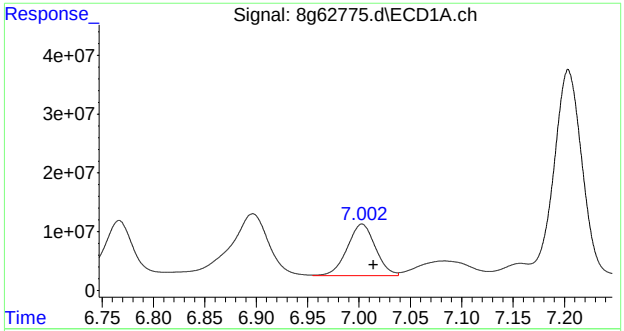
#18 4,4'-DDD

R.T.: 6.767 min
Delta R.T.: -0.011 min
Response: 185894058
Conc: 2.76 PPB



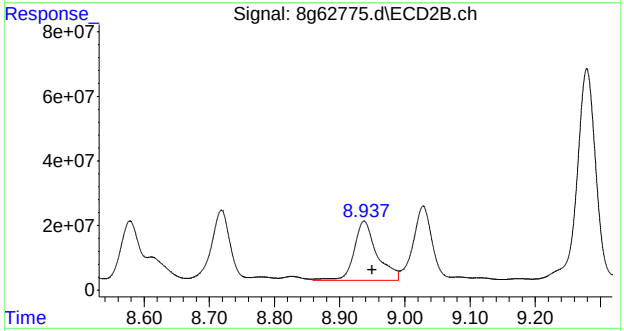
#18 4,4'-DDD

R.T.: 8.719 min
Delta R.T.: -0.012 min
Response: 459314267
Conc: 3.29 PPB



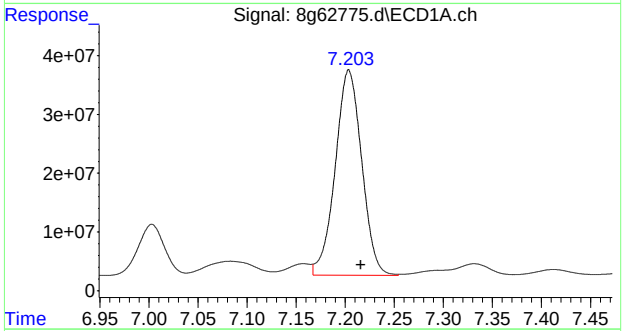
#19 Endosulfan II

R.T.: 7.003 min
Delta R.T.: -0.011 min
Response: 167751944
Conc: 2.39 PPB



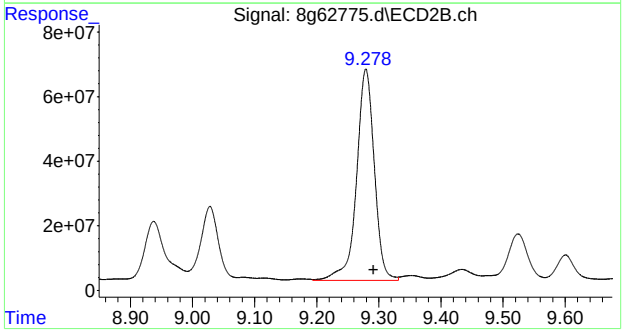
#19 Endosulfan II

R.T.: 8.938 min
Delta R.T.: -0.012 min
Response: 447121148
Conc: 3.15 PPB



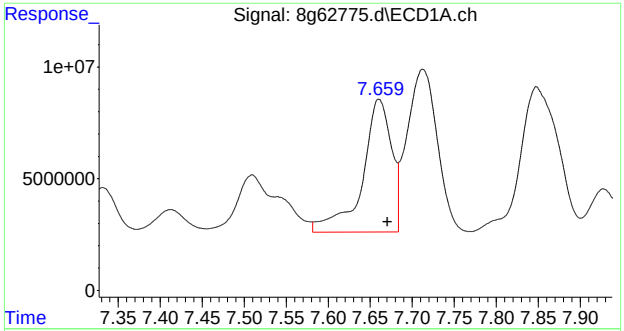
#20 4,4'-DDT

R.T.: 7.203 min
Delta R.T.: -0.013 min
Response: 656465098
Conc: 9.66 PPB m



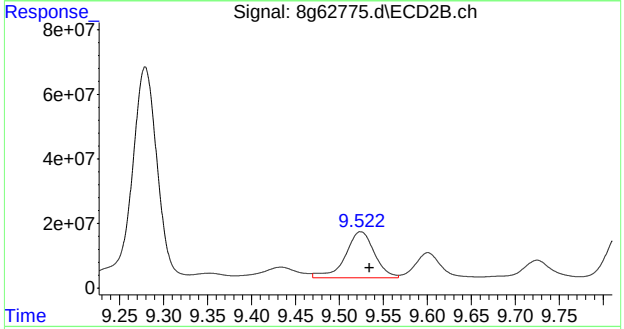
#20 4,4'-DDT

R.T.: 9.279 min
Delta R.T.: -0.012 min
Response: 1302064779
Conc: 11.29 PPB



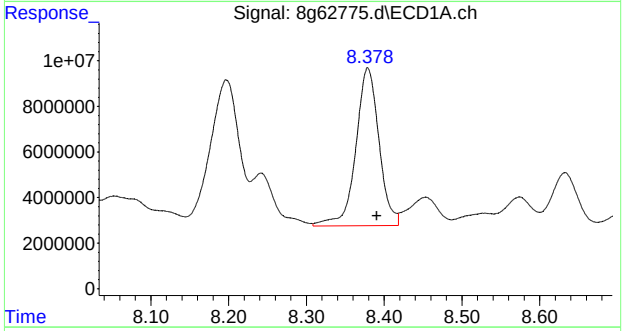
#21 Endrin Aldehyde

R.T.: 7.661 min
Delta R.T.: -0.010 min
Response: 143537977
Conc: 2.48 PPB



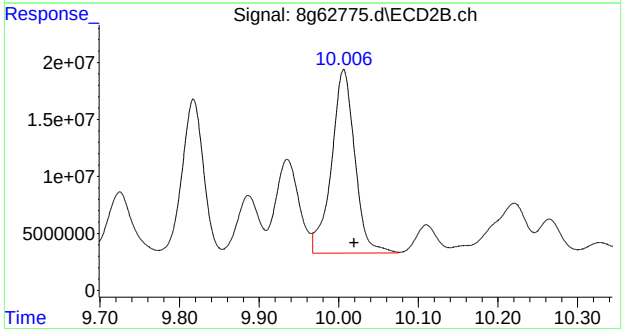
#21 Endrin Aldehyde

R.T.: 9.524 min
Delta R.T.: -0.010 min
Response: 331372452
Conc: 2.98 PPB



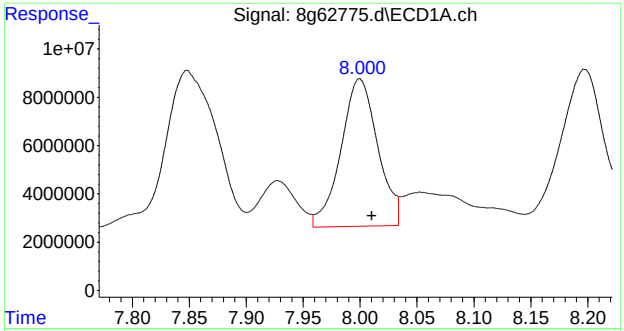
#22 Endosulfan Sulfate

R.T.: 8.379 min
Delta R.T.: -0.011 min
Response: 143718675
Conc: 2.20 PPB



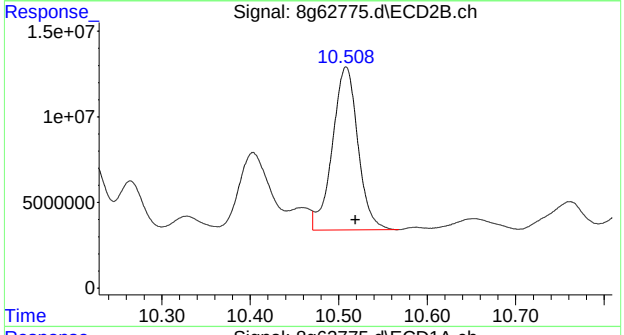
#22 Endosulfan Sulfate

R.T.: 10.006 min
Delta R.T.: -0.013 min
Response: 327236554
Conc: 2.55 PPB



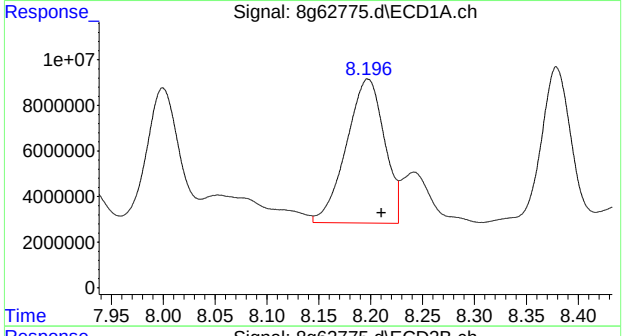
#23 Methoxychlor

R.T.: 8.000 min
Delta R.T.: -0.011 min
Response: 137412246
Conc: 3.48 PPB m



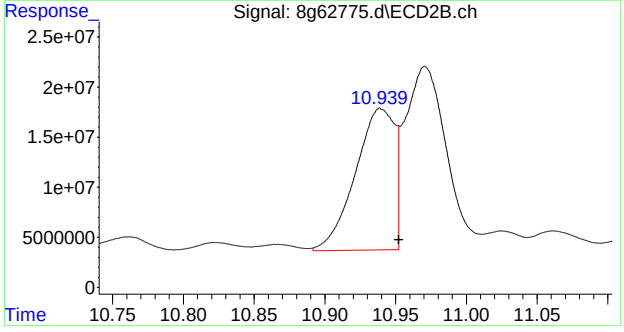
#23 Methoxychlor

R.T.: 10.508 min
Delta R.T.: -0.011 min
Response: 190986555
Conc: 3.33 PPB



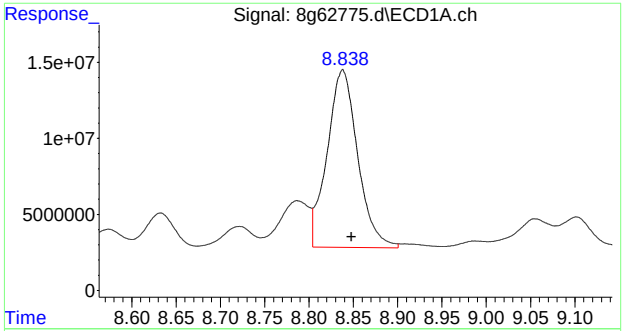
#24 Mirex

R.T.: 8.195 min
Delta R.T.: -0.015 min
Response: 160950959
Conc: 2.69 PPB m



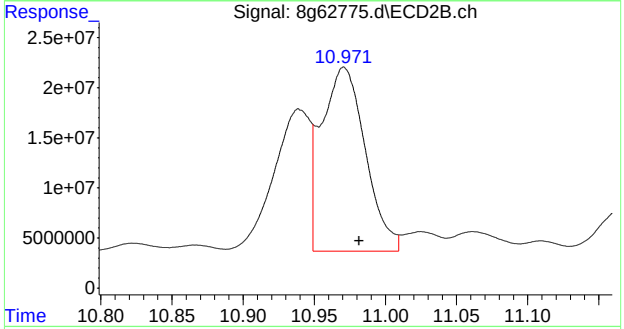
#24 Mirex

R.T.: 10.939 min
Delta R.T.: -0.014 min
Response: 277205231
Conc: 3.37 PPB m



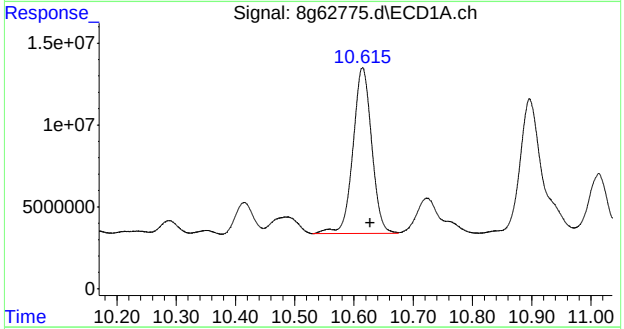
#25 Endrin Ketone

R.T.: 8.838 min
Delta R.T.: -0.010 min
Response: 279502637
Conc: 3.38 PPB m



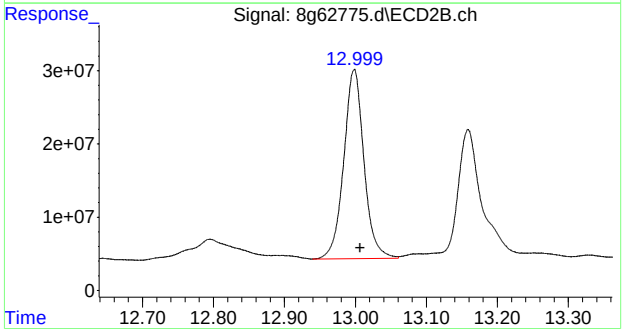
#25 Endrin Ketone

R.T.: 10.970 min
Delta R.T.: -0.011 min
Response: 390254482
Conc: 2.23 PPB m



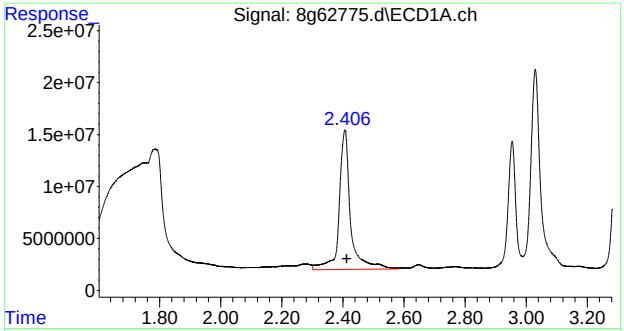
#26 Decachlorobiphenyl

R.T.: 10.615 min
Delta R.T.: -0.012 min
Response: 222446269
Conc: 3.44 PPB



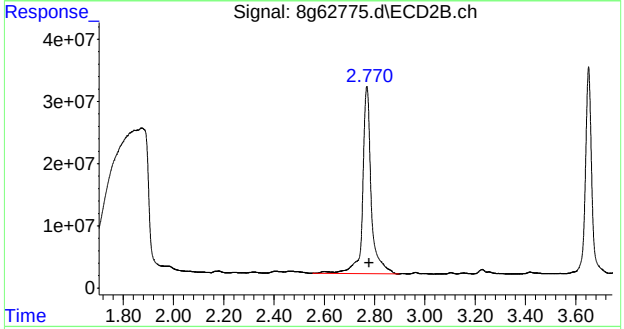
#26 Decachlorobiphenyl

R.T.: 12.998 min
Delta R.T.: -0.008 min
Response: 511315591
Conc: 5.15 PPB



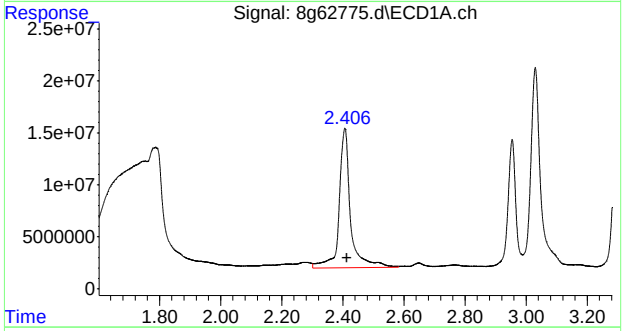
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.406 min
Delta R.T.: -0.008 min
Response: 348744873
Conc: 5.00 PPB



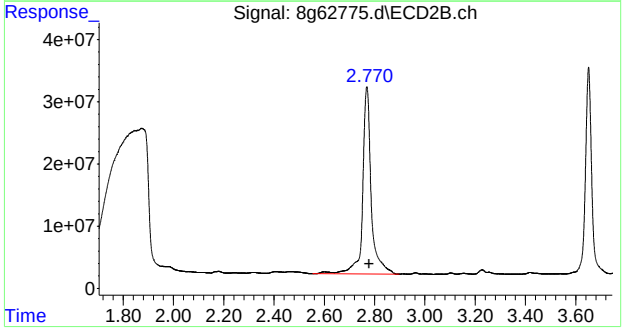
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.769 min
Delta R.T.: -0.009 min
Response: 716412005
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.406 min
Delta R.T.: -0.008 min
Response: 348744873
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.769 min
Delta R.T.: -0.009 min
Response: 716412005
Conc: 5.00 PPB

Manual Integration Approval Summary

Sample Number: OP59833-MSD
Lab FileID: 8G62775.D
Injection Time: 12/03/24 05:31
Method: SW846 8081B
Analyst approved: 12/03/24 17:15 Gwendolyn Burns
Supervisor approved: 12/09/24 02:55 Syra Marie Pacheco

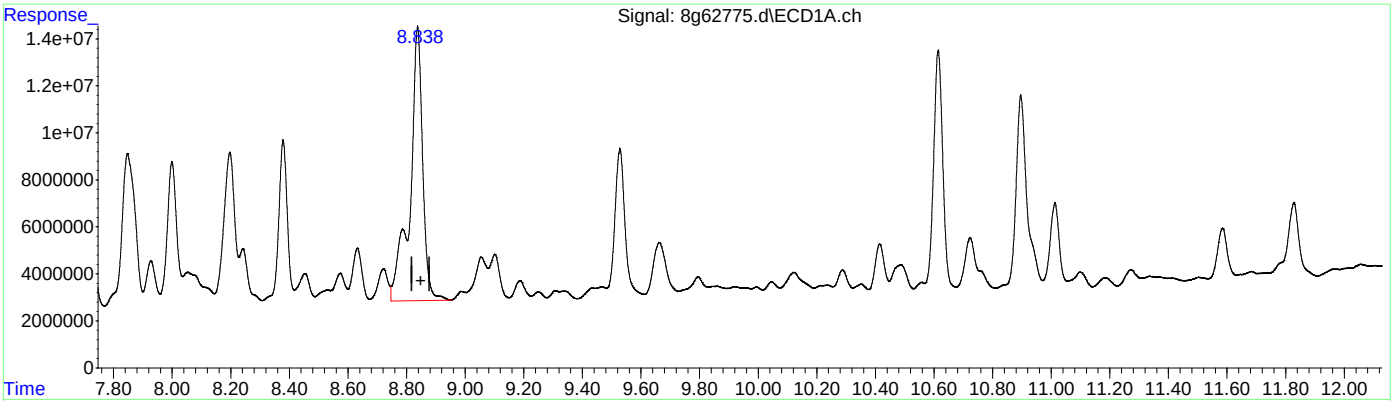
Parameter	CAS	Sig#	R.T. (min.)	Reason
Heptachlor	76-44-8	1	4.29	Poorly defined baseline
alpha-BHC	319-84-6	2	4.39	Poorly defined baseline
gamma-BHC (Lindane)	58-89-9	2	4.87	Poorly defined baseline
Heptachlor epoxide	1024-57-3	1	5.42	Poorly defined baseline
Heptachlor	76-44-8	2	5.53	Poorly defined baseline
Dieldrin	60-57-1	1	6.32	Poorly defined baseline
4,4'-DDT	50-29-3	1	7.20	Poorly defined baseline
gamma-Chlordane	5103-74-2	2	7.23	Poorly defined baseline
Endosulfan-I	959-98-8	2	7.58	Poorly defined baseline
Methoxychlor	72-43-5	1	8.00	Poorly defined baseline
Mirex	2385-85-5	1	8.20	Poorly defined baseline
Endrin ketone	53494-70-5	1	8.84	Poorly defined baseline
Mirex	2385-85-5	2	10.94	Poorly defined baseline
Endrin ketone	53494-70-5	2	10.97	Poorly defined baseline

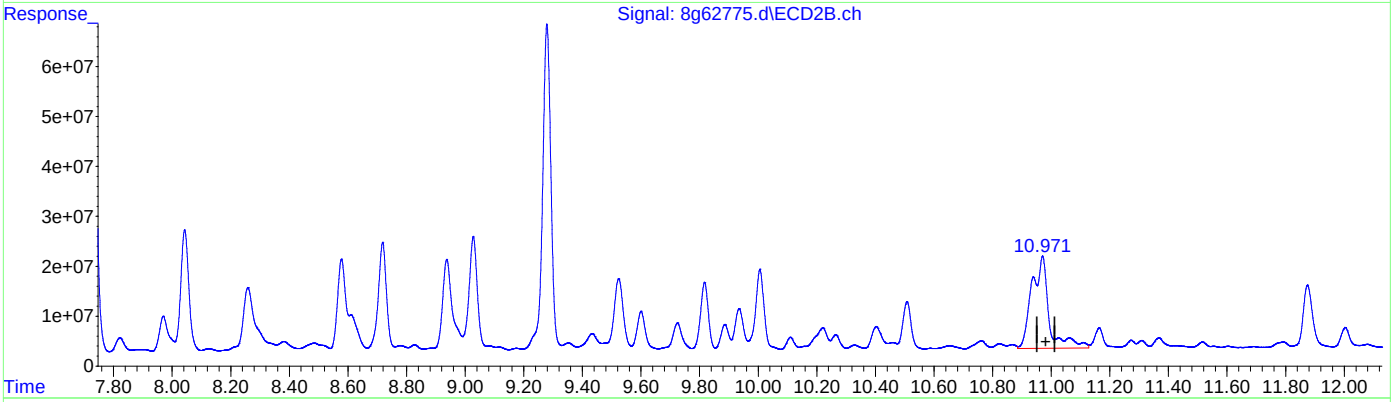
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62775.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:31 am
Operator : christp
Sample : op59833-msd m
Misc : op59833,g8g2700,5.2,,,10,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(25) Endrin Ketone (B)

8.838min 4.256 PPB

response 352199885

(25) Endrin Ketone #2 (B)

10.971min 4.316 PPB

response 755346043

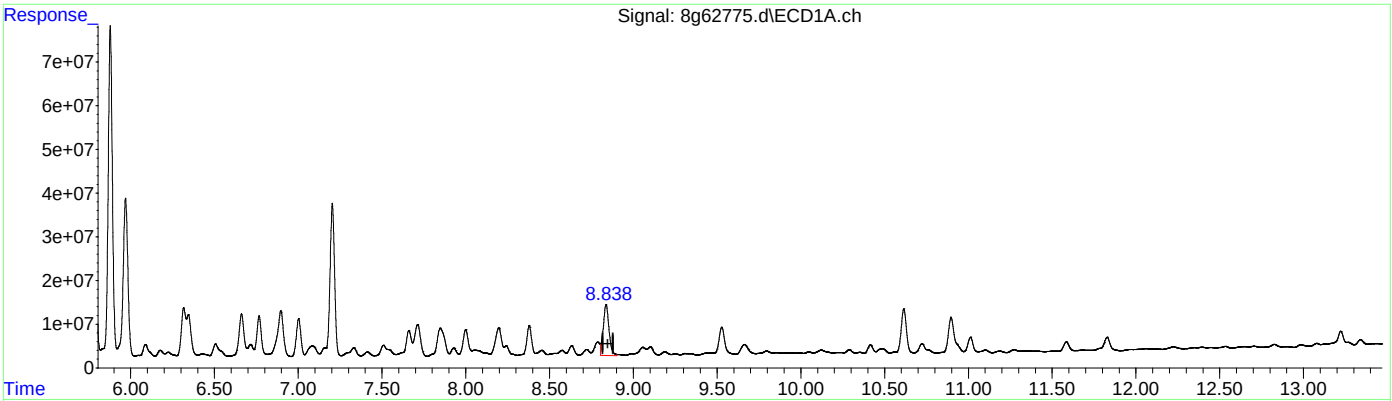
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:39:53 2024

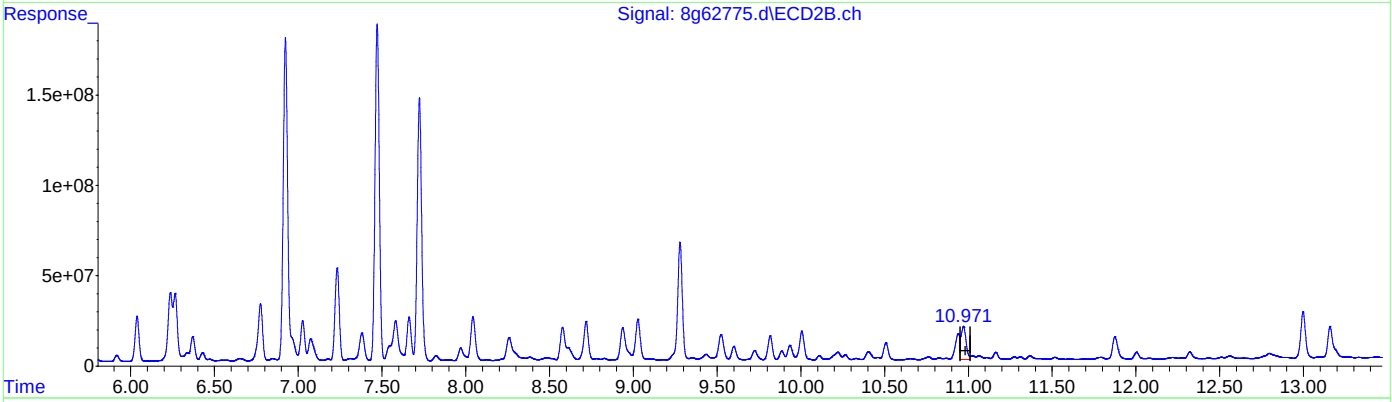
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62775.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:31 am
Operator : christp
Sample : op59833-msd m
Misc : op59833,g8g2700,5.2,,,10,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(25) Endrin Ketone (B)

8.838min 3.377 PPB m

response 279502637

(25) Endrin Ketone #2 (B)

10.970min 2.230 PPB m

response 390254482

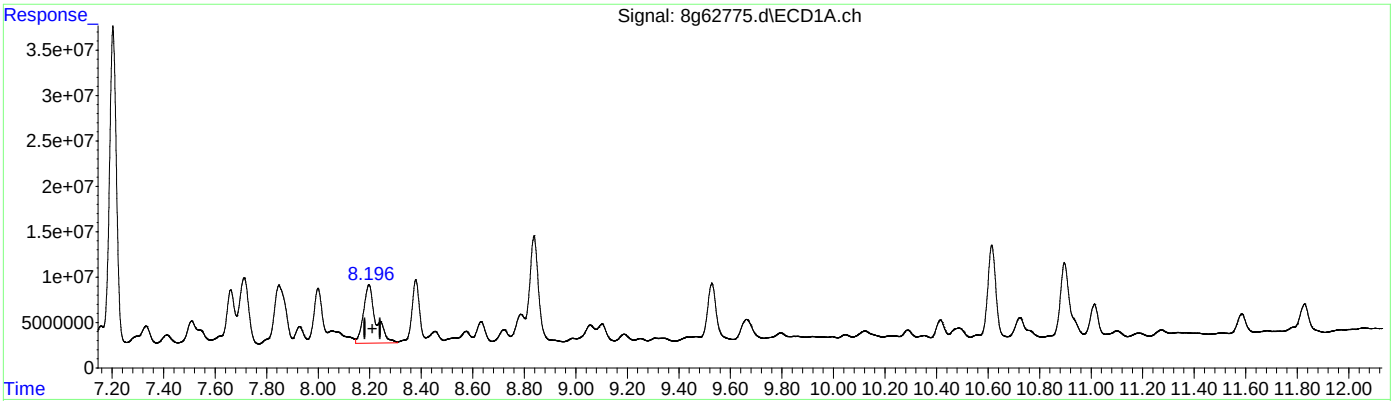
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:40:09 2024

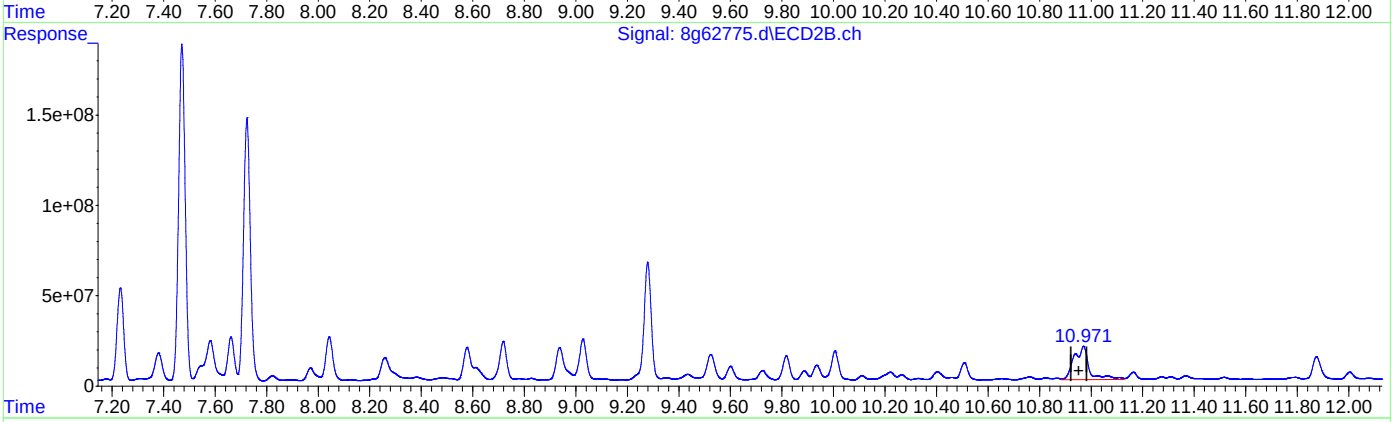
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62775.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:31 am
Operator : christp
Sample : op59833-msd m
Misc : op59833,g8g2700,5.2,,,10,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(24) Mirex

8.197min 3.615 PPB

response 216601806

(24) Mirex #2

10.971min 9.195 PPB

response 755346043

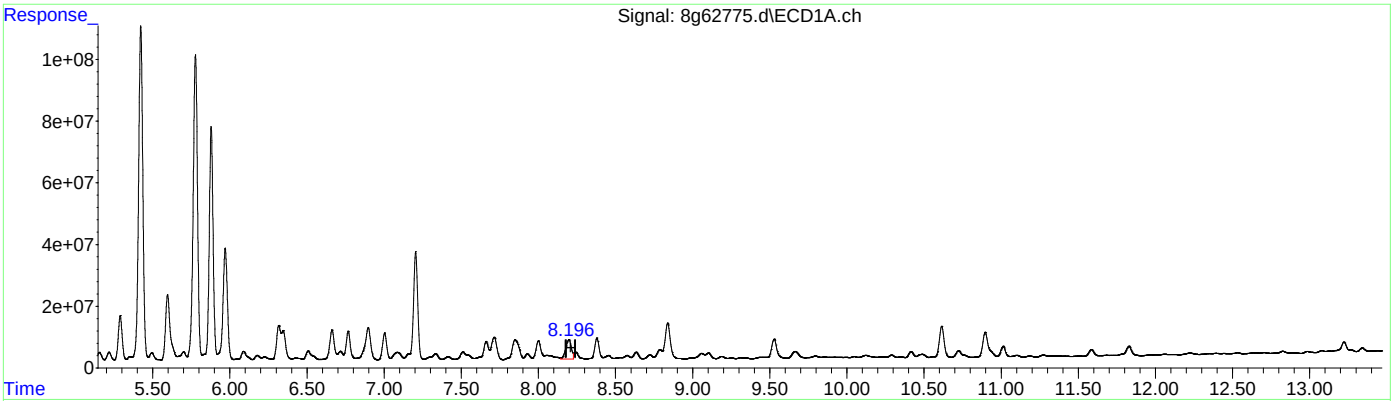
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:40:11 2024

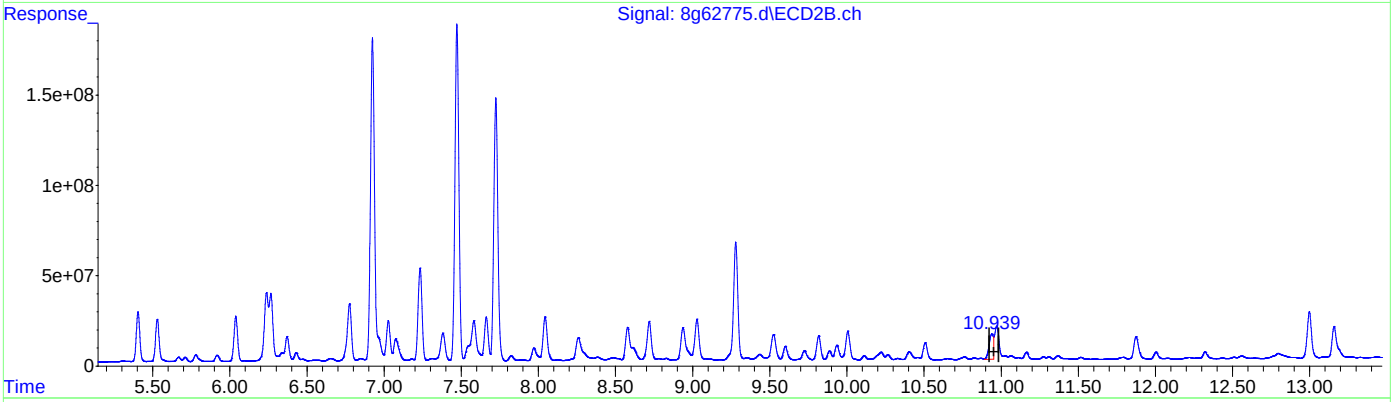
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62775.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:31 am
Operator : christp
Sample : op59833-msd m
Misc : op59833,g8g2700,5.2,,,10,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(24) Mirex

8.195min 2.686 PPB m

response 160950959

(24) Mirex #2

10.939min 3.374 PPB m

response 277205231

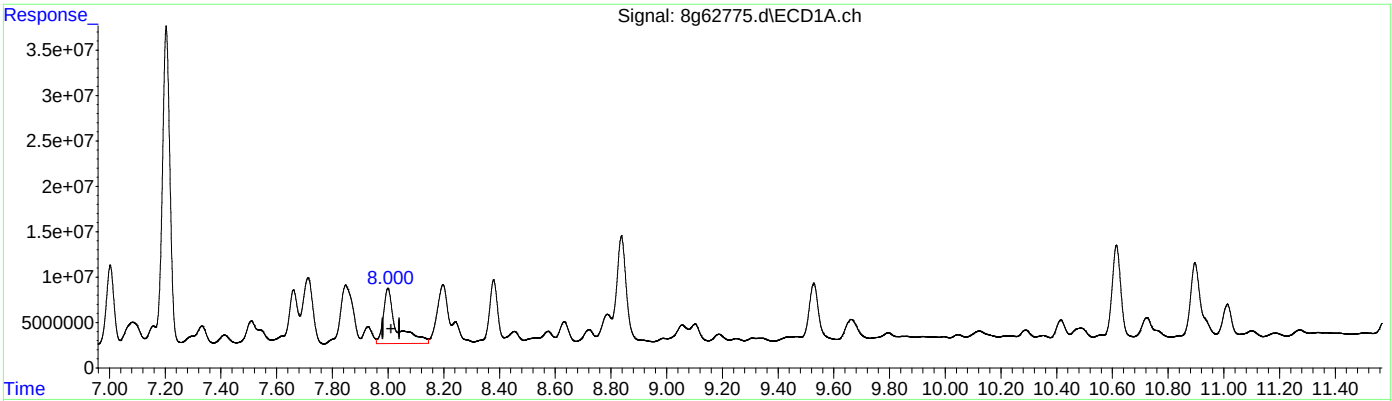
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:40:26 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62775.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:31 am
Operator : christp
Sample : op59833-msd m
Misc : op59833,g8g2700,5.2,,,10,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(23) Methoxychlor (A)

8.000min 5.094 PPB

response 201199102

(23) Methoxychlor #2 (A)

10.508min 3.332 PPB

response 190986555

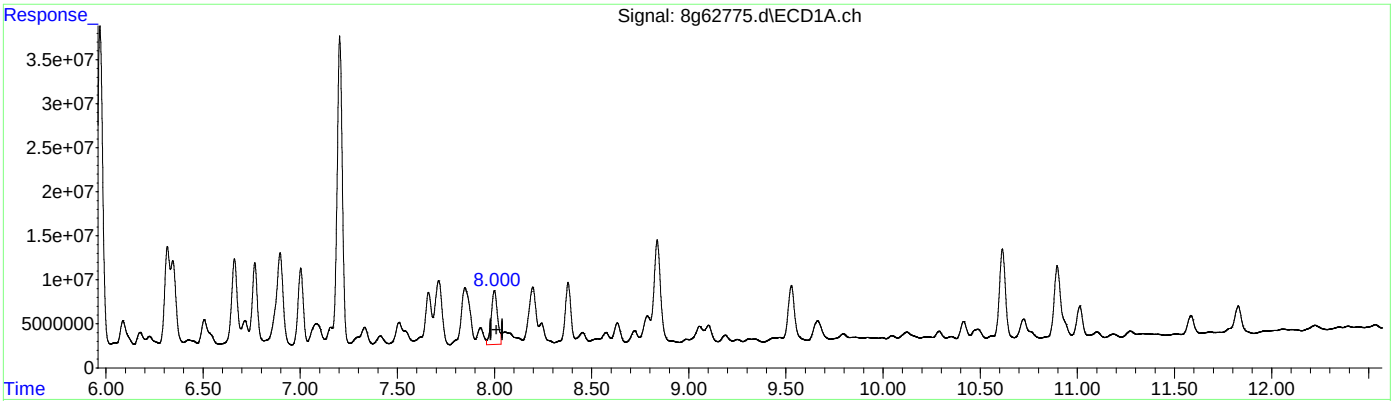
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:40:33 2024

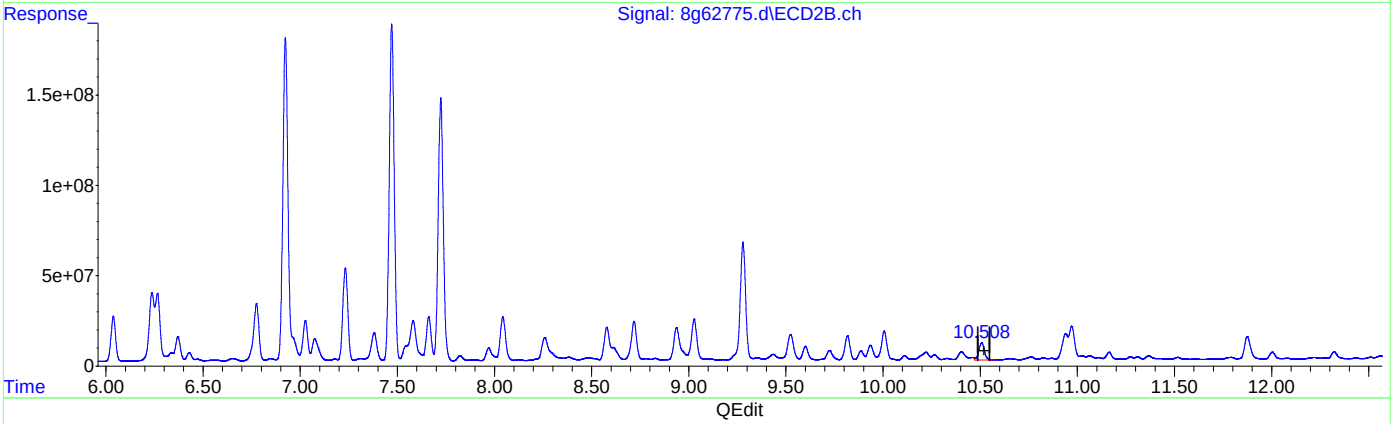
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62775.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:31 am
Operator : christp
Sample : op59833-msd m
Misc : op59833,g8g2700,5.2,,,10,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(23) Methoxychlor (A)

8.000min 3.479 PPB m

response 137412246

(23) Methoxychlor #2 (A)

10.508min 3.332 PPB

response 190986555

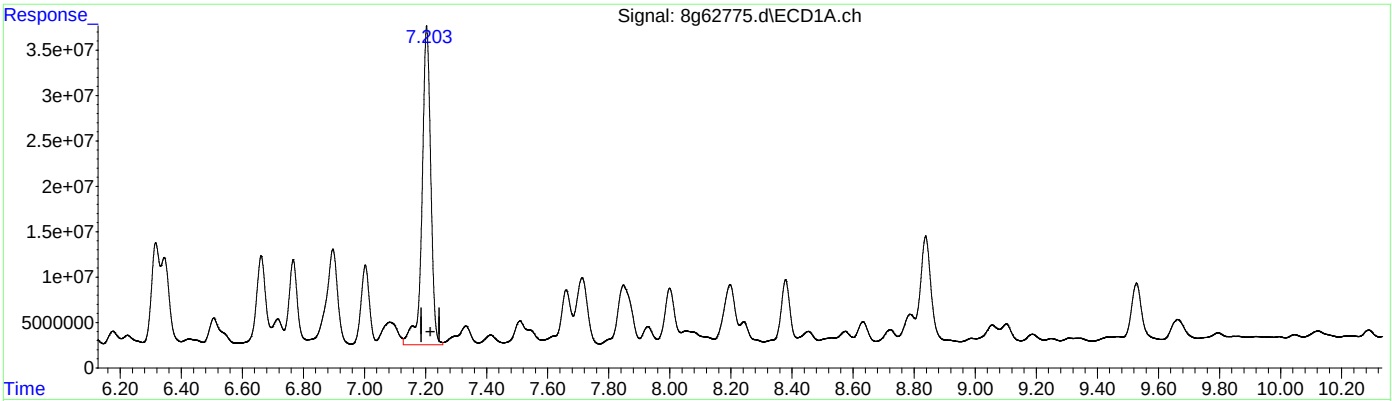
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:40:42 2024

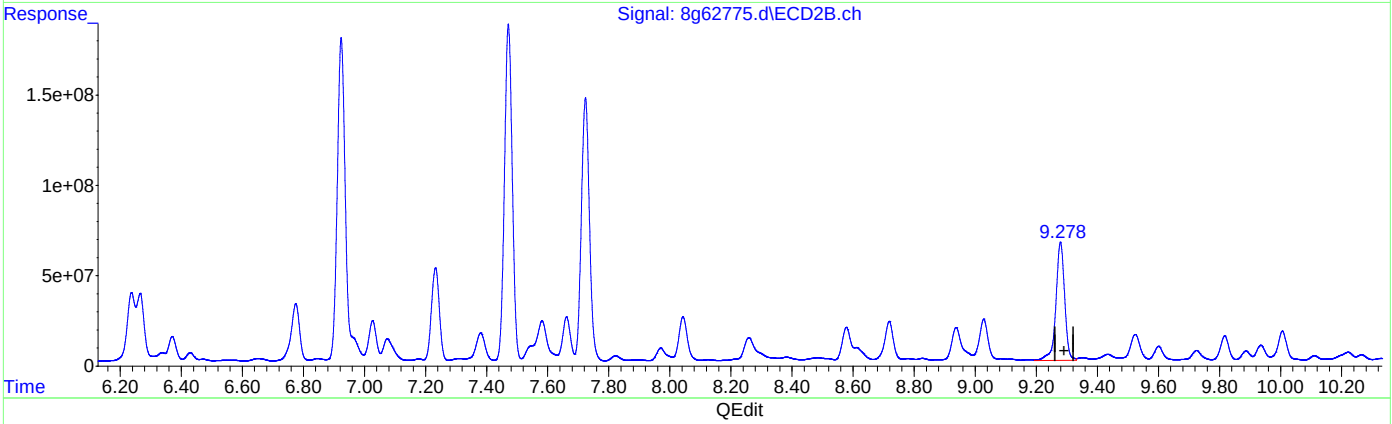
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62775.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:31 am
Operator : christp
Sample : op59833-msd m
Misc : op59833,g8g2700,5.2,,,10,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(20) 4,4'-DDT (MA)

7.204min 10.273 PPB

response 697966481

(20) 4,4'-DDT #2 (MA)

9.279min 11.286 PPB

response 1302064779

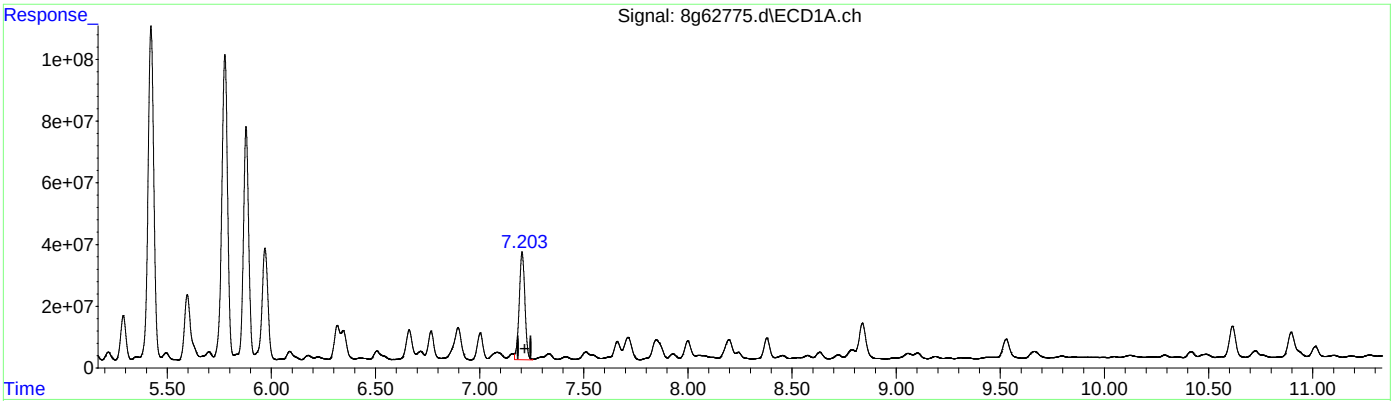
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:40:48 2024

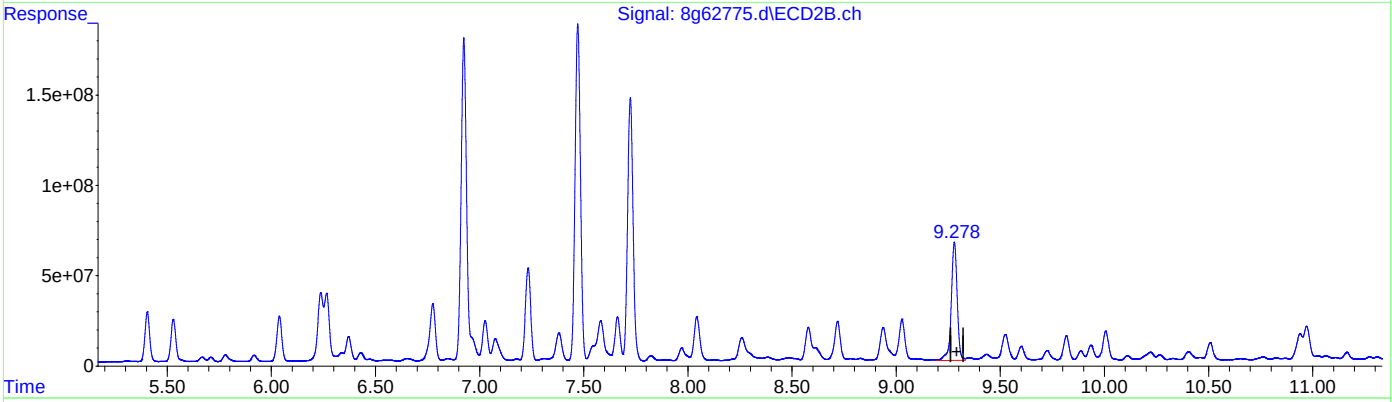
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62775.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:31 am
Operator : christp
Sample : op59833-msd m
Misc : op59833,g8g2700,5.2,,,10,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(20) 4,4'-DDT (MA)

7.203min 9.662 PPB m

response 656465098

(20) 4,4'-DDT #2 (MA)

9.279min 11.286 PPB

response 1302064779

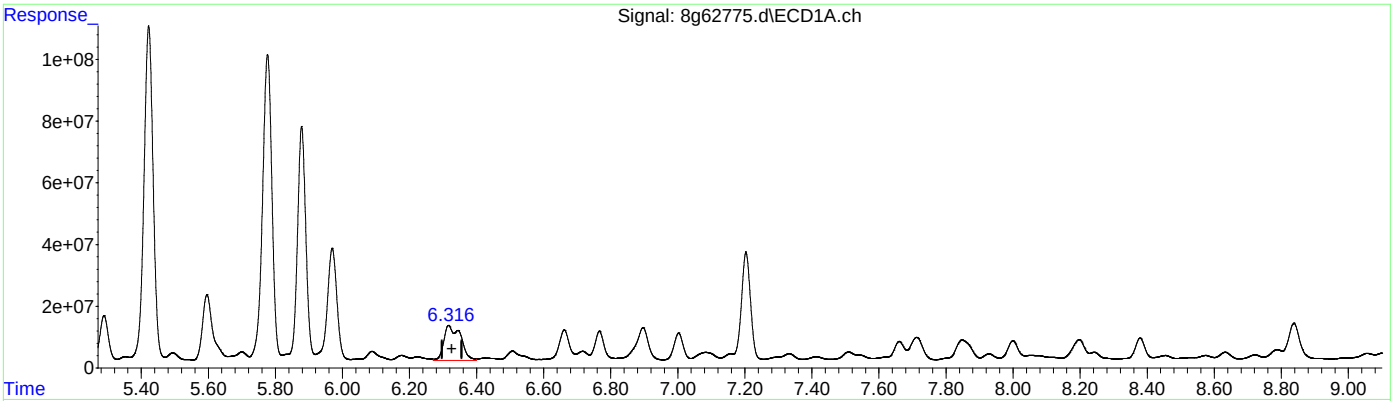
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:40:52 2024

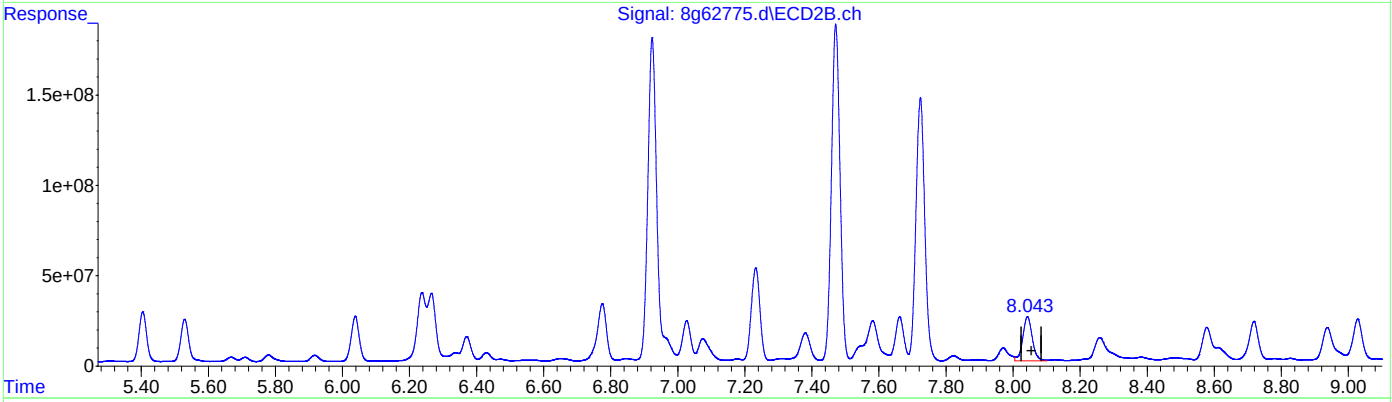
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62775.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:31 am
Operator : christp
Sample : op59833-msd m
Misc : op59833,g8g2700,5.2,,,10,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(16) Dieldrin (MA)

6.318min 4.941 PPB

response 394869119

(16) Dieldrin #2 (MA)

8.043min 2.850 PPB

response 483219832

(+) = Expected Retention Time

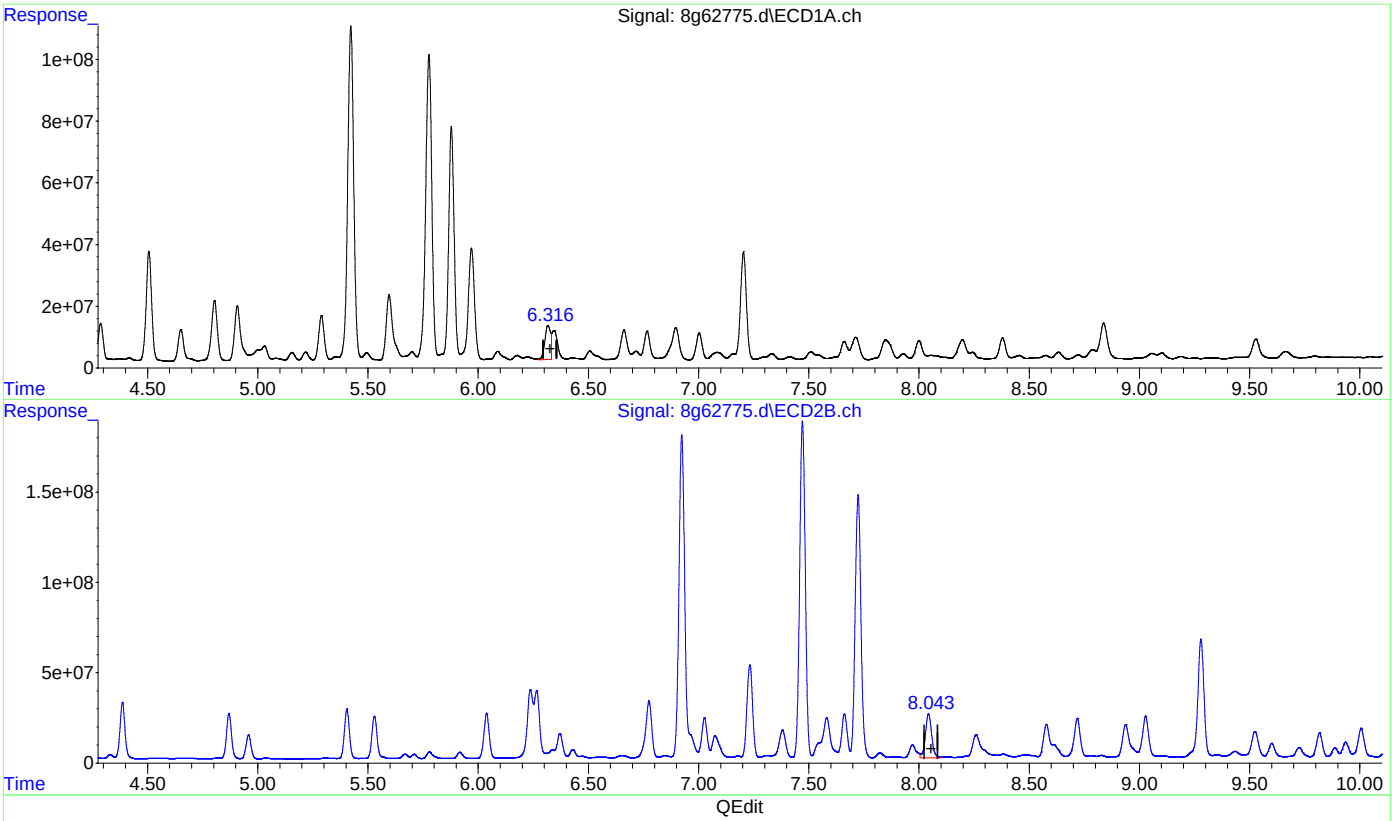
8PSTLVI2596a.M Tue Dec 03 12:41:00 2024 Page: 1

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62775.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:31 am
Operator : christp
Sample : op59833-msd m
Misc : op59833,g8g2700,5.2,,,10,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(16) Dieldrin (MA)

6.316min 2.561 PPB m

response 204703221

(16) Dieldrin #2 (MA)

8.043min 2.850 PPB

response 483219832

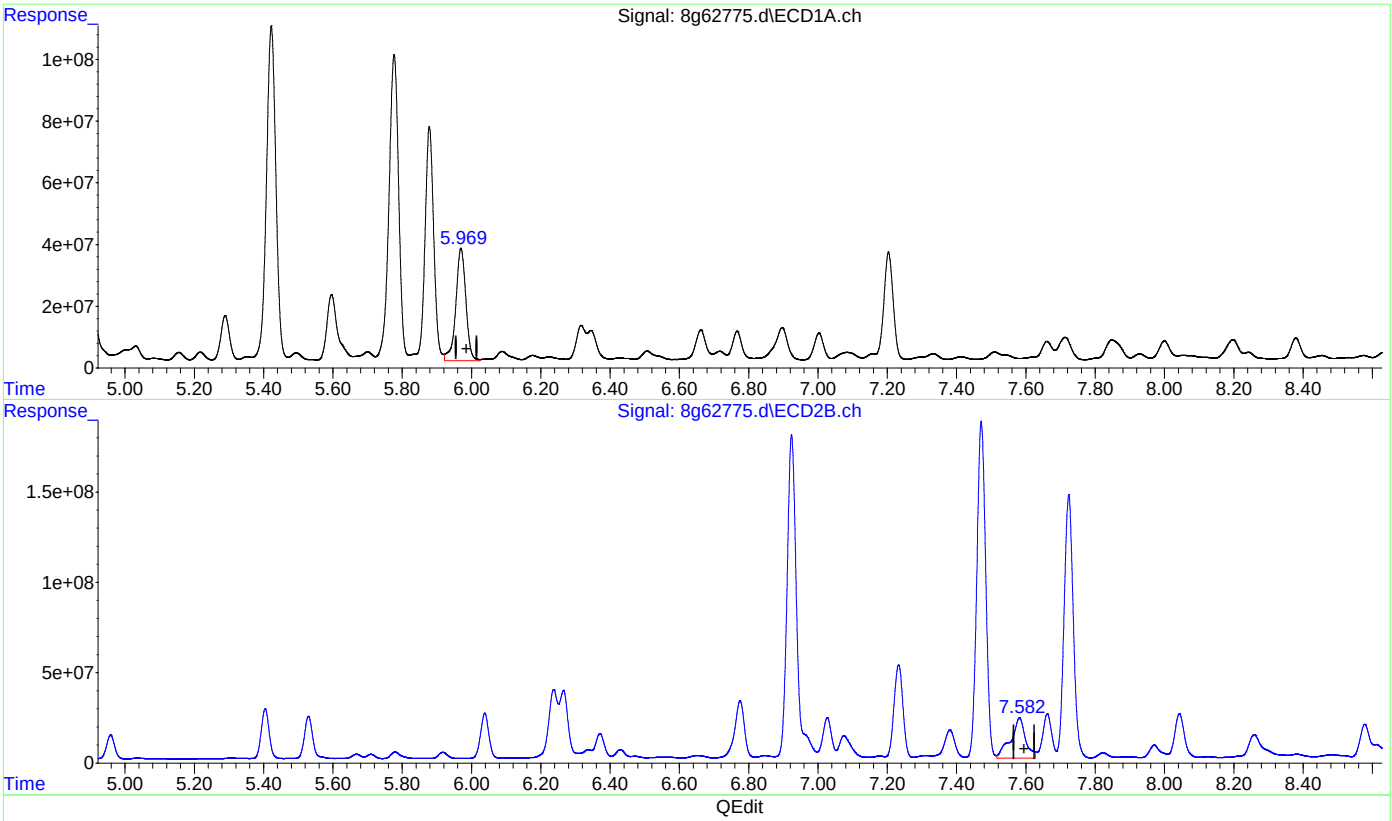
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:41:04 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62775.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:31 am
Operator : christp
Sample : op59833-msd m
Misc : op59833,g8g2700,5.2,,,10,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(14) Endosulfan I (A)

5.970min 10.036 PPB

response 736287183

(14) Endosulfan I #2 (A)

7.581min 4.395 PPB

response 659088750

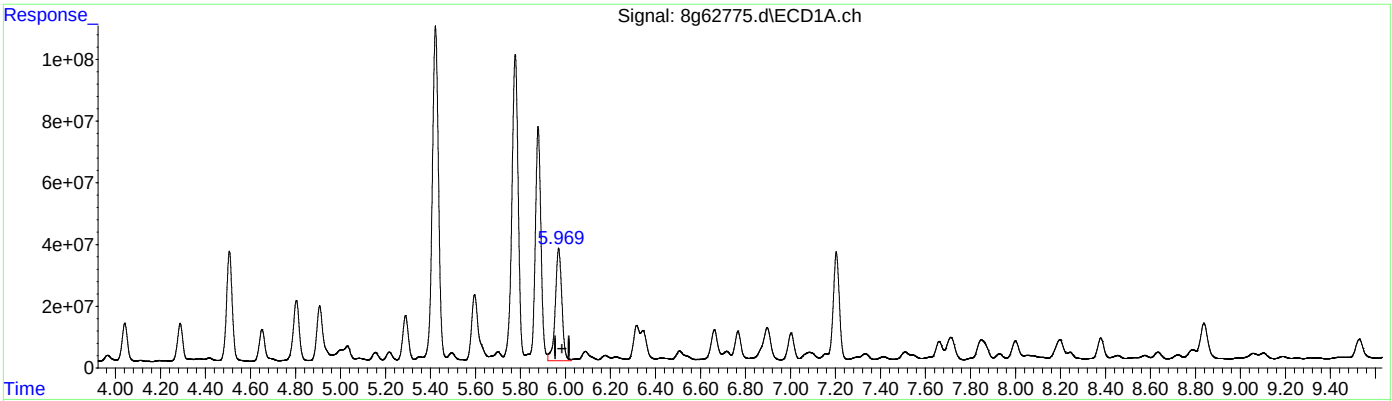
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:41:08 2024

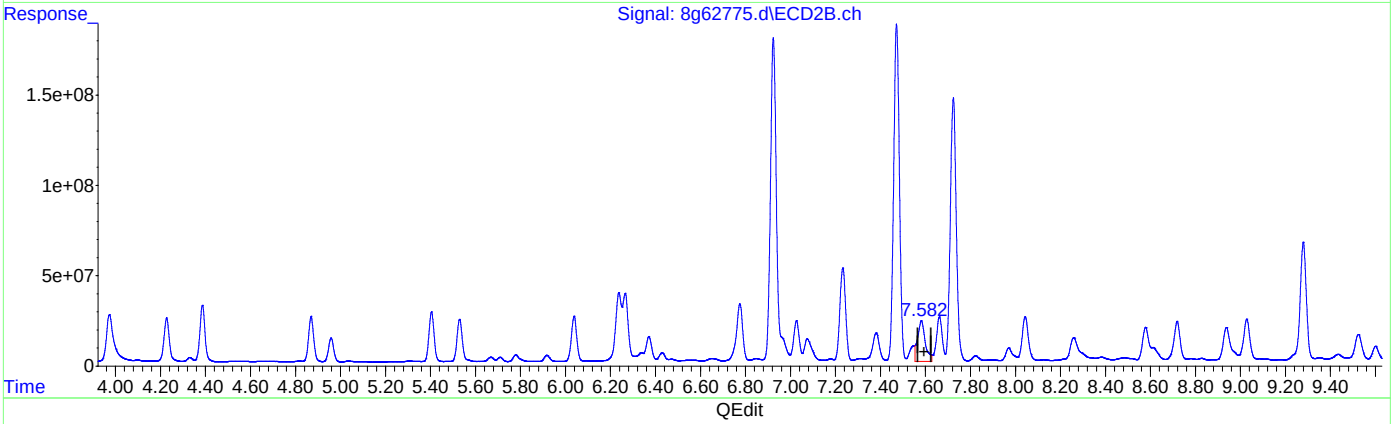
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62775.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:31 am
Operator : christp
Sample : op59833-msd m
Misc : op59833,g8g2700,5.2,,,10,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(14) Endosulfan I (A)

5.970min 10.036 PPB

response 736287183

(14) Endosulfan I #2 (A)

7.582min 3.556 PPB m

response 533237766

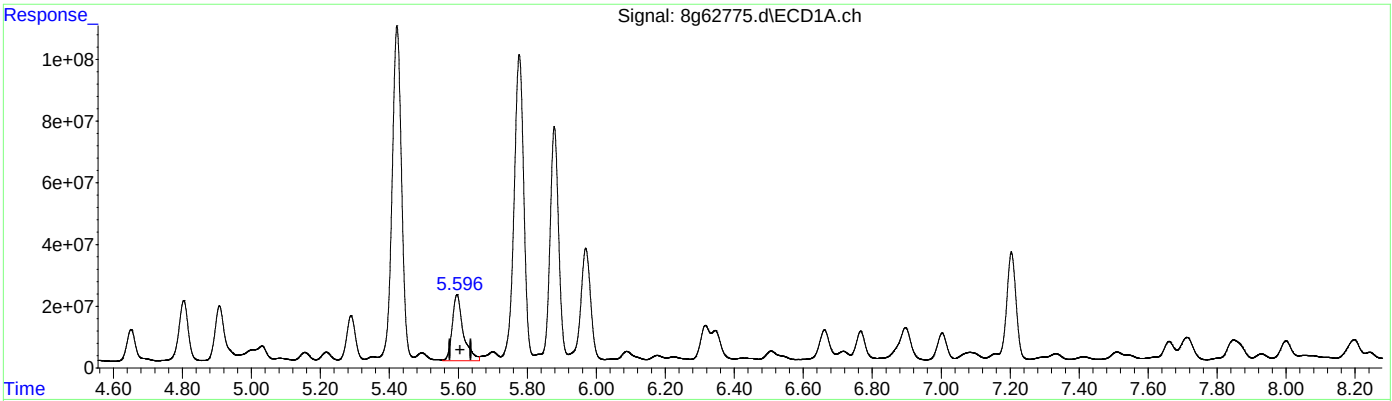
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:41:13 2024

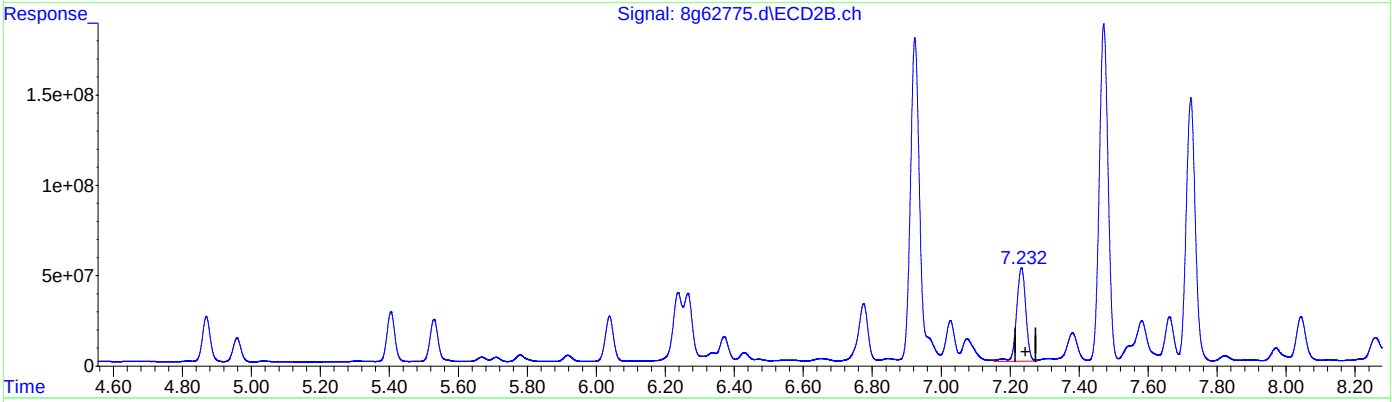
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62775.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:31 am
Operator : christp
Sample : op59833-msd m
Misc : op59833,g8g2700,5.2,,,10,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(12) gamma-Chlordane (B)

5.596min 5.656 PPB

response 476906576

(12) gamma-Chlordane #2 (B)

7.233min 5.832 PPB

response 960557075

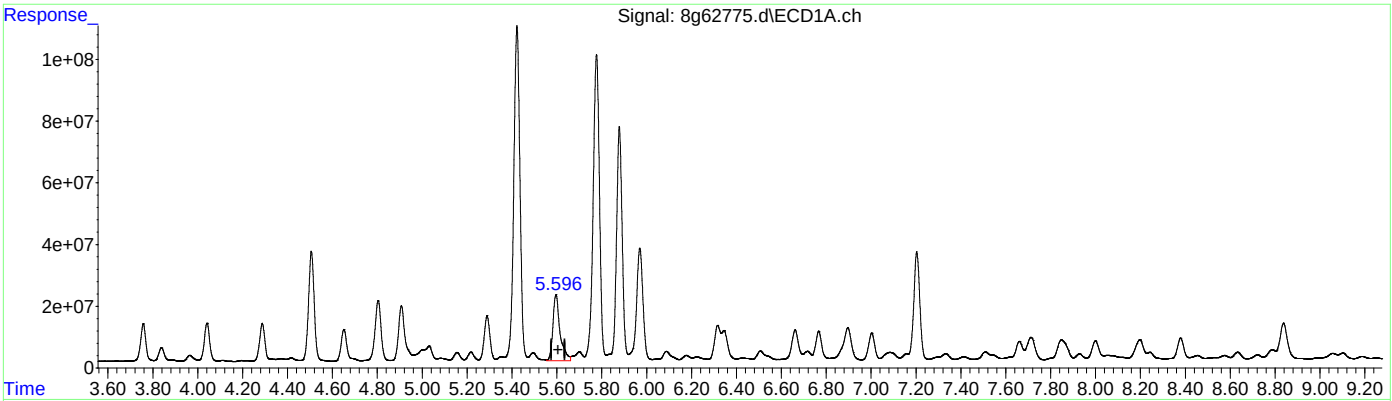
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:41:18 2024

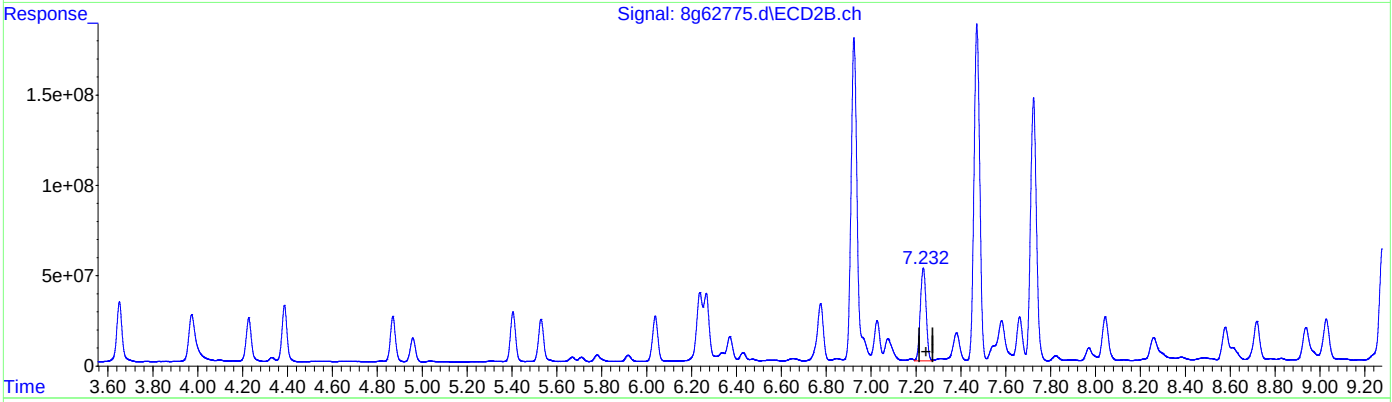
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62775.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:31 am
Operator : christp
Sample : op59833-msd m
Misc : op59833,g8g2700,5.2,,,10,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(12) gamma-Chlordane (B)

5.596min 5.656 PPB

response 476906576

(12) gamma-Chlordane #2 (B)

7.232min 5.615 PPB m

response 924888315

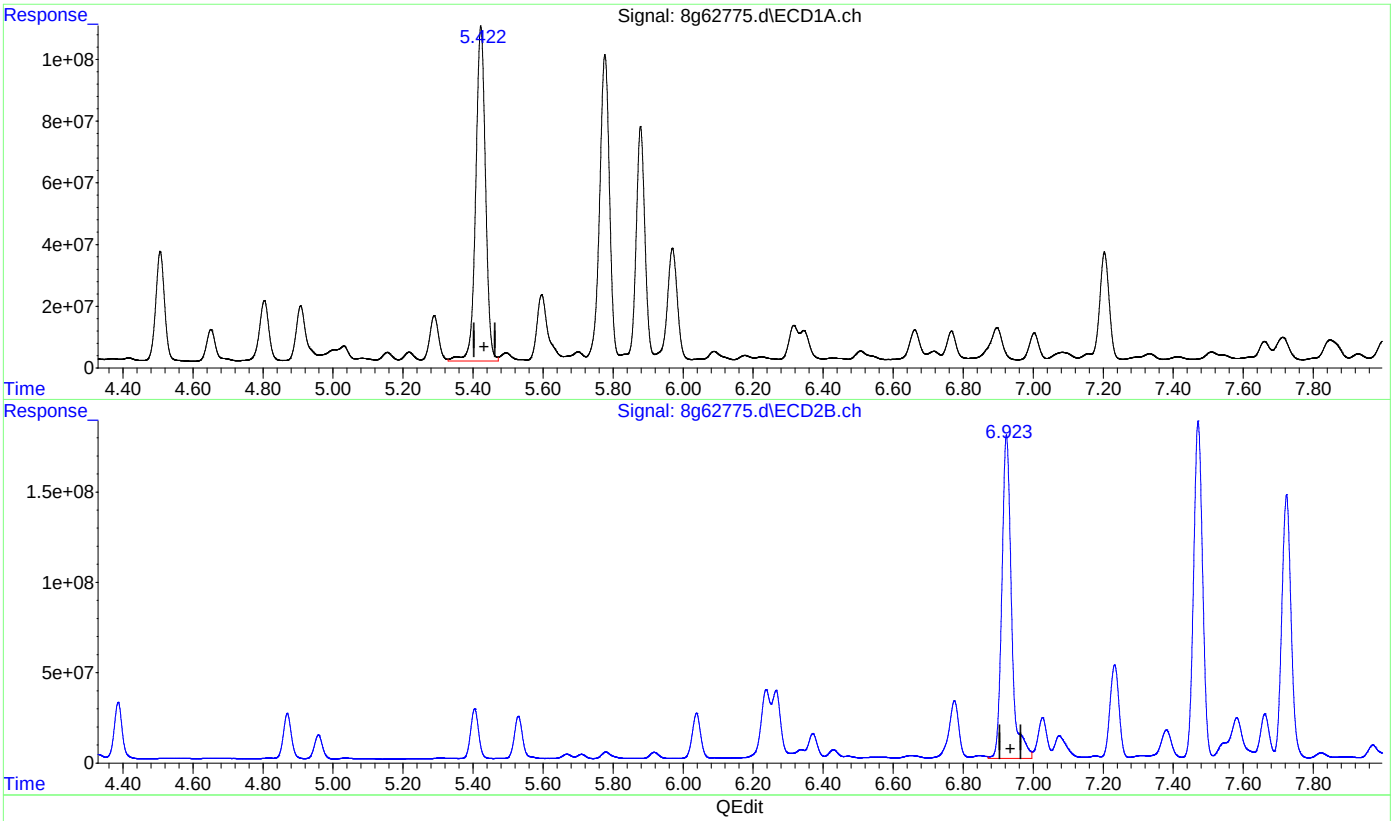
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:41:23 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62775.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:31 am
Operator : christp
Sample : op59833-msd m
Misc : op59833,g8g2700,5.2,,,10,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(11) Heptachlor Epoxide (B)

5.422min 26.635 PPB

response 2107143213

(11) Heptachlor Epoxide #2 (B)

6.924min 20.546 PPB

response 3423189463

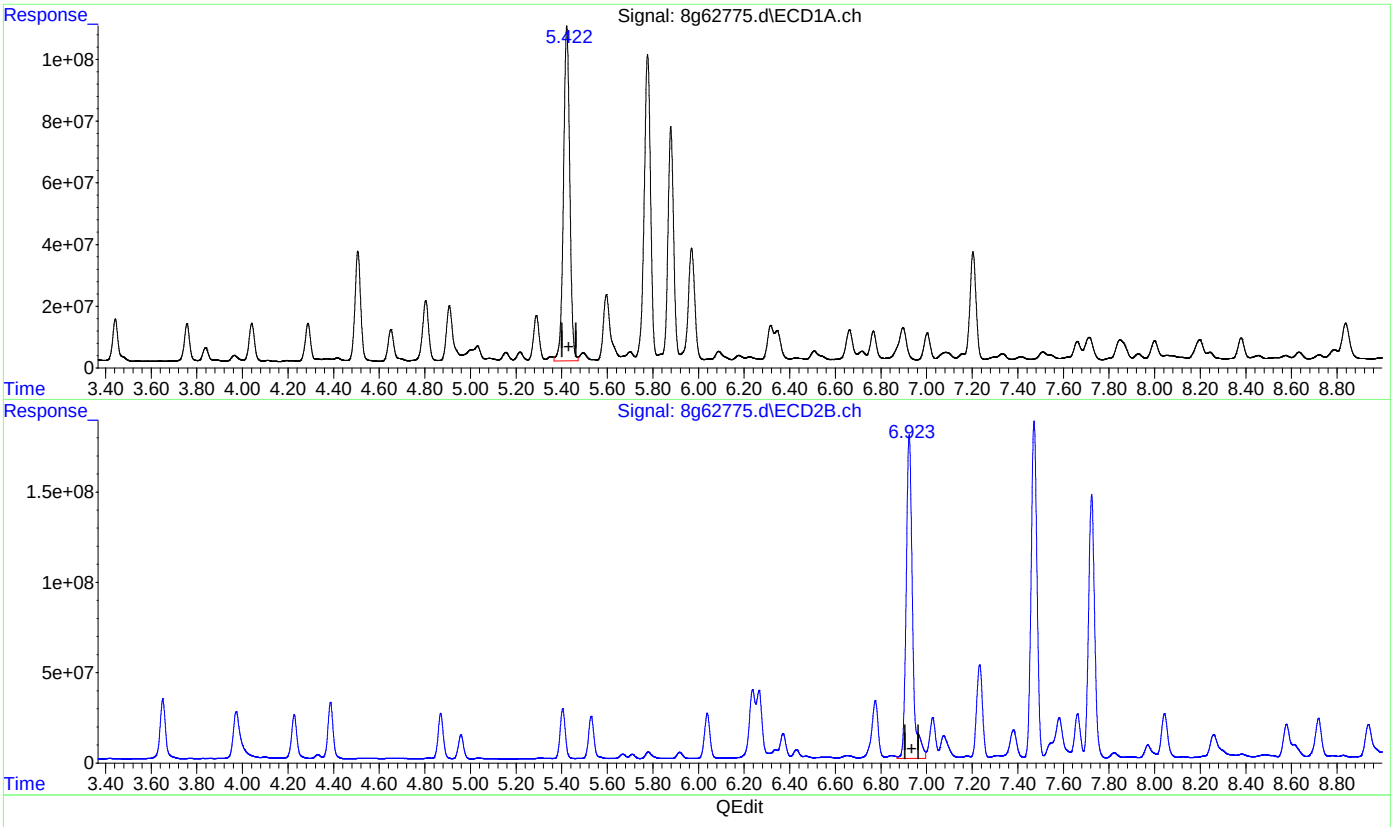
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:41:25 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62775.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:31 am
Operator : christp
Sample : op59833-msd m
Misc : op59833,g8g2700,5.2,,,10,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(11) Heptachlor Epoxide (B)

5.422min 26.324 PPB m

response 2082507508

(11) Heptachlor Epoxide #2 (B)

6.924min 20.546 PPB

response 3423189463

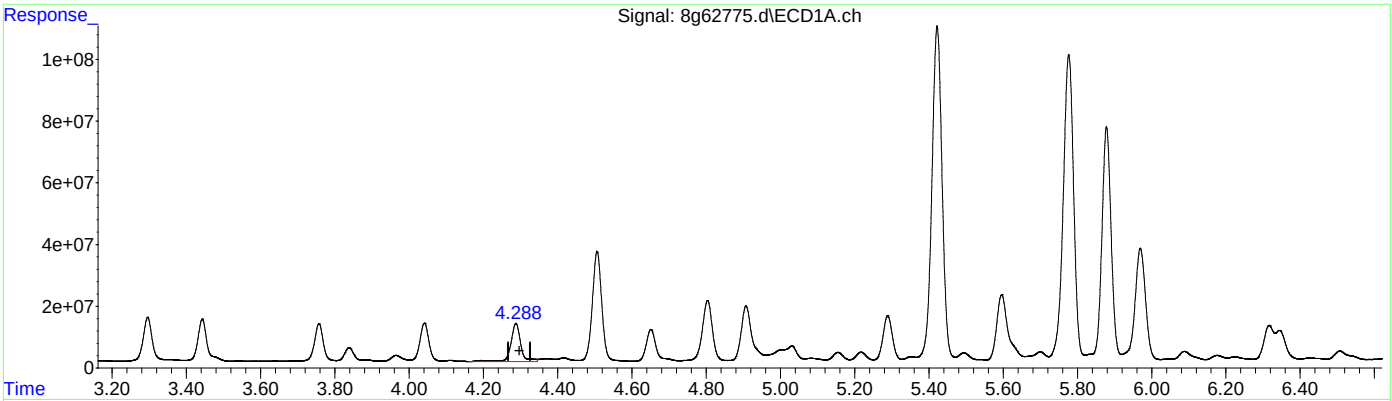
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:41:30 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62775.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:31 am
Operator : christp
Sample : op59833-msd m
Misc : op59833,g8g2700,5.2,,,10,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(6) Heptachlor (MA)

4.288min 2.502 PPB

response 226947472

(6) Heptachlor #2 (MA)

5.530min 2.414 PPB

response 411195667

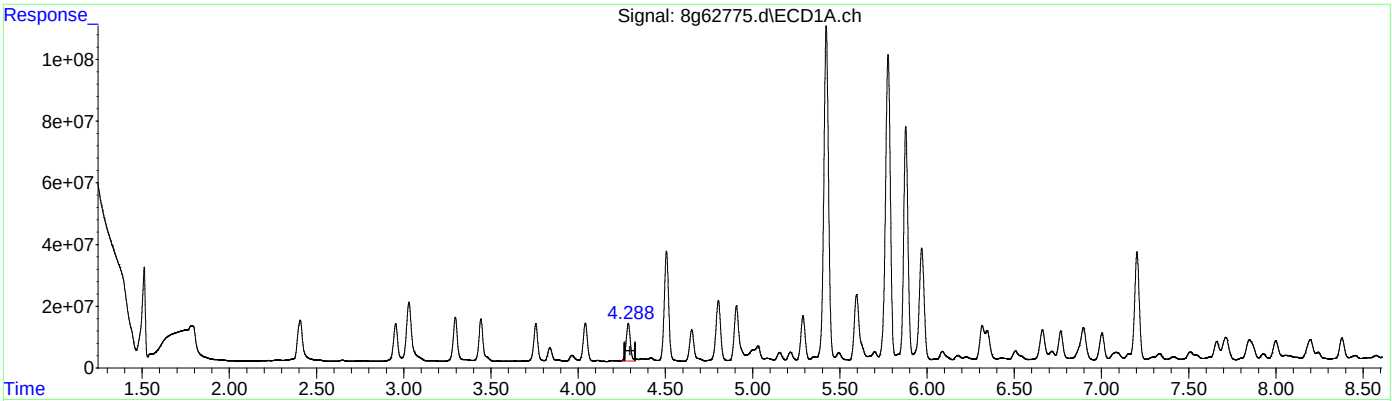
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:42:10 2024

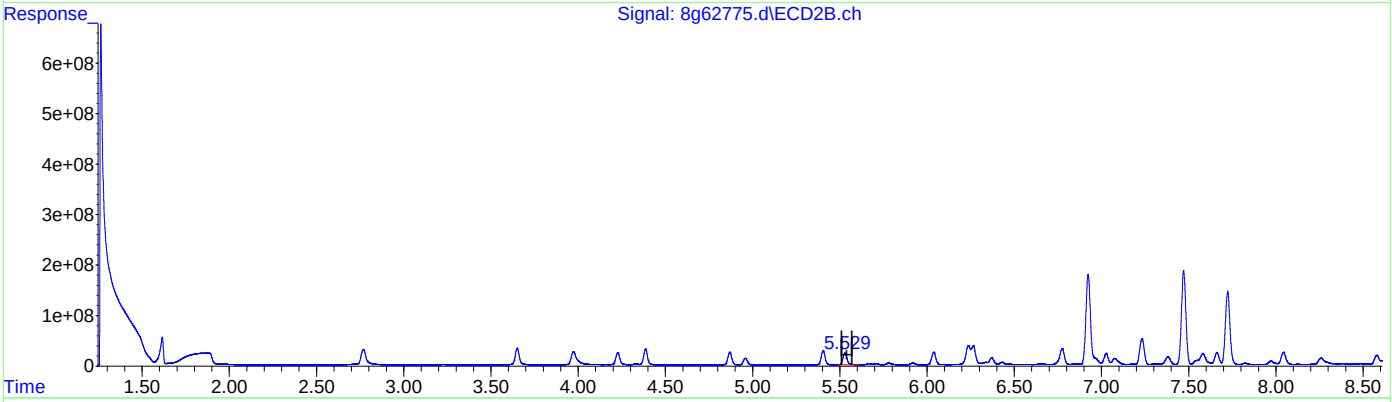
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62775.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:31 am
Operator : christp
Sample : op59833-msd m
Misc : op59833,g8g2700,5.2,,,10,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(6) Heptachlor (MA)

4.288min 2.235 PPB m

response 202710991

(6) Heptachlor #2 (MA)

5.529min 2.332 PPB m

response 397194920

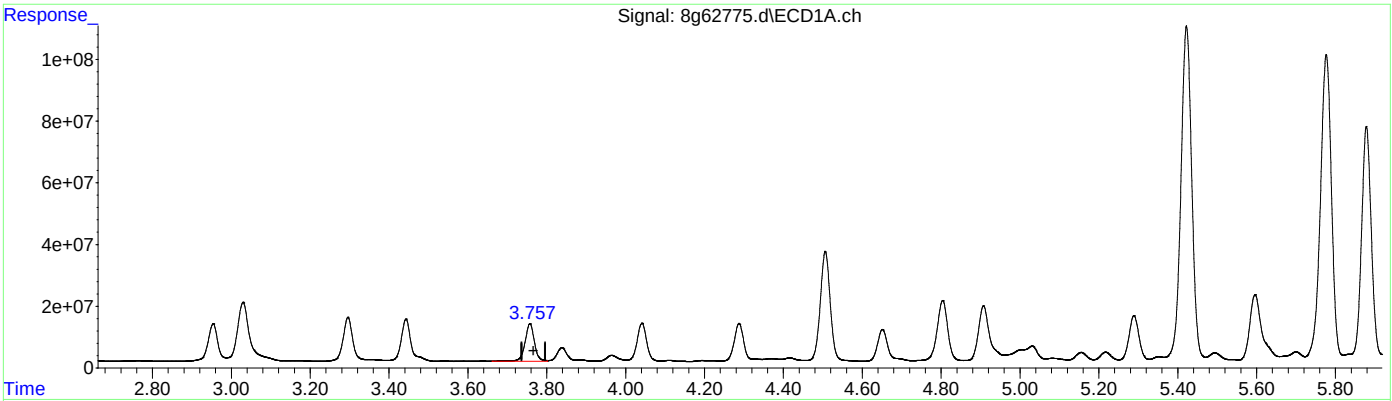
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:42:22 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62775.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:31 am
Operator : christp
Sample : op59833-msd m
Misc : op59833,g8g2700,5.2,,,10,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(5) gamma-BHC (MA)

3.757min 2.293 PPB

response 201887433

(5) gamma-BHC #2 (MA)

4.870min 2.279 PPB

response 439390918

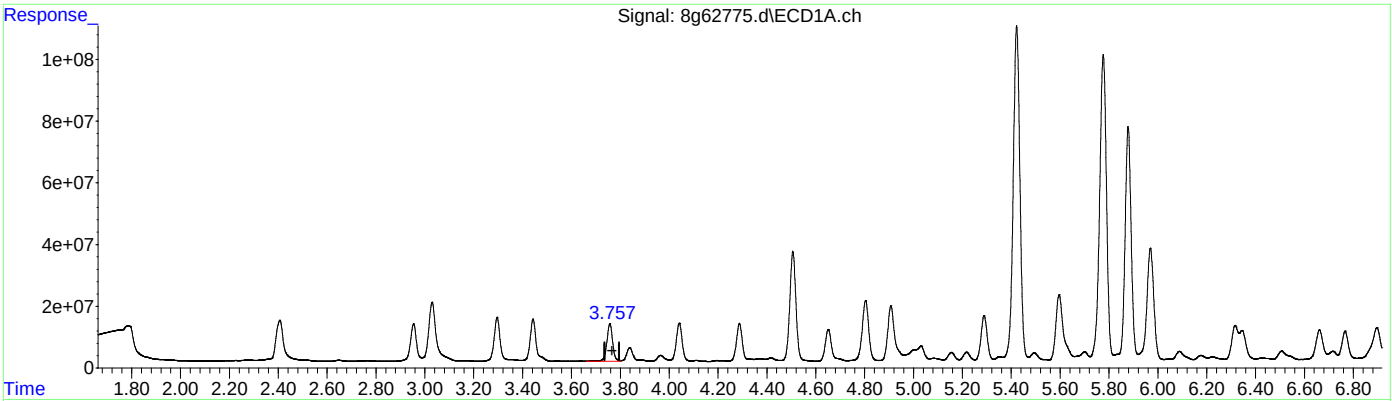
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:42:37 2024

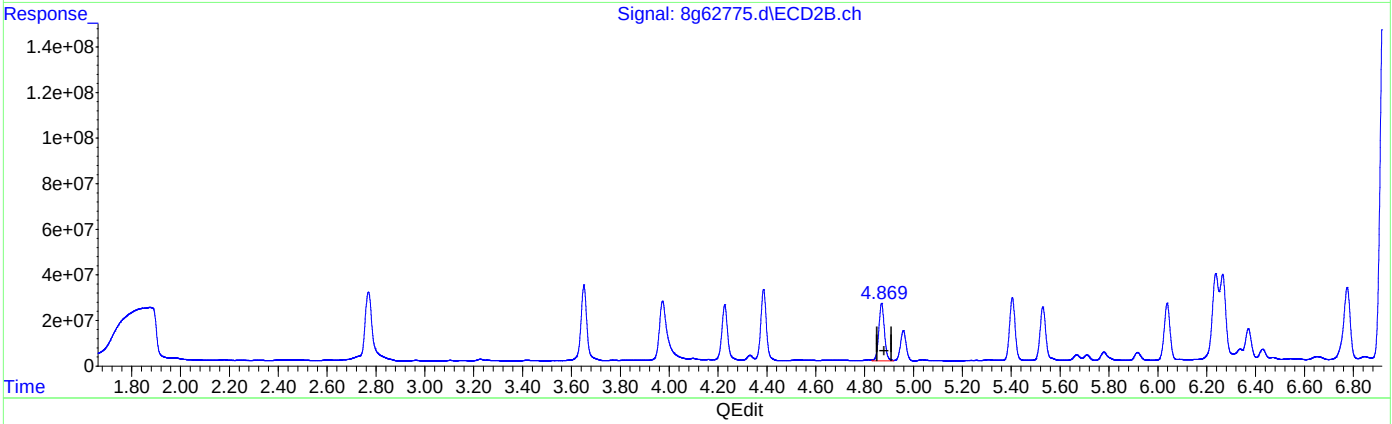
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62775.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:31 am
Operator : christp
Sample : op59833-msd m
Misc : op59833,g8g2700,5.2,,,10,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(5) gamma-BHC (MA)

3.757min 2.293 PPB

response 201887433

(5) gamma-BHC #2 (MA)

4.869min 2.088 PPB m

response 402734105

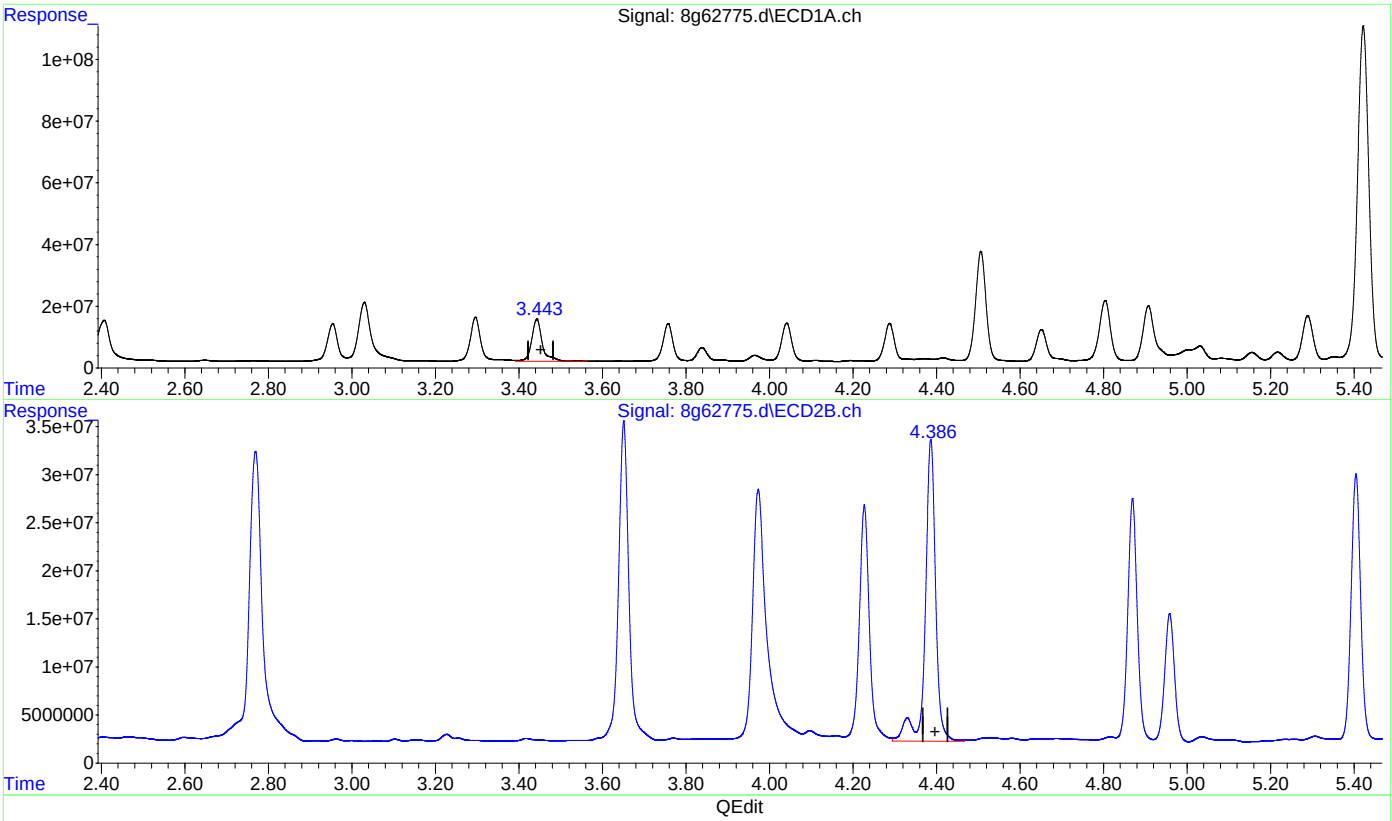
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:42:43 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62775.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:31 am
Operator : christp
Sample : op59833-msd m
Misc : op59833,g8g2700,5.2,,,10,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(4) alpha-BHC (A)

3.443min 2.605 PPB

response 244023503

(4) alpha-BHC #2 (A)

4.387min 2.502 PPB

response 545547123

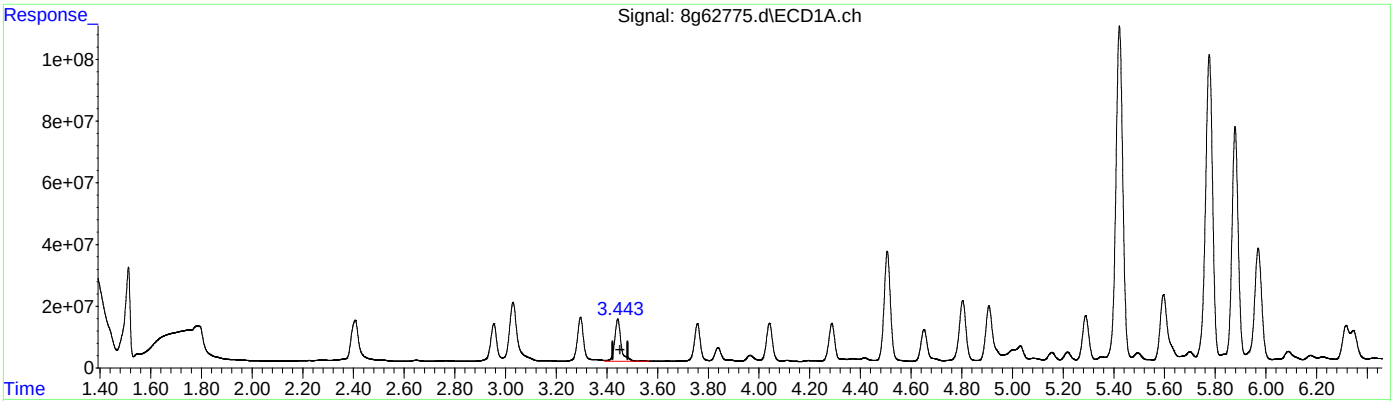
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:42:48 2024

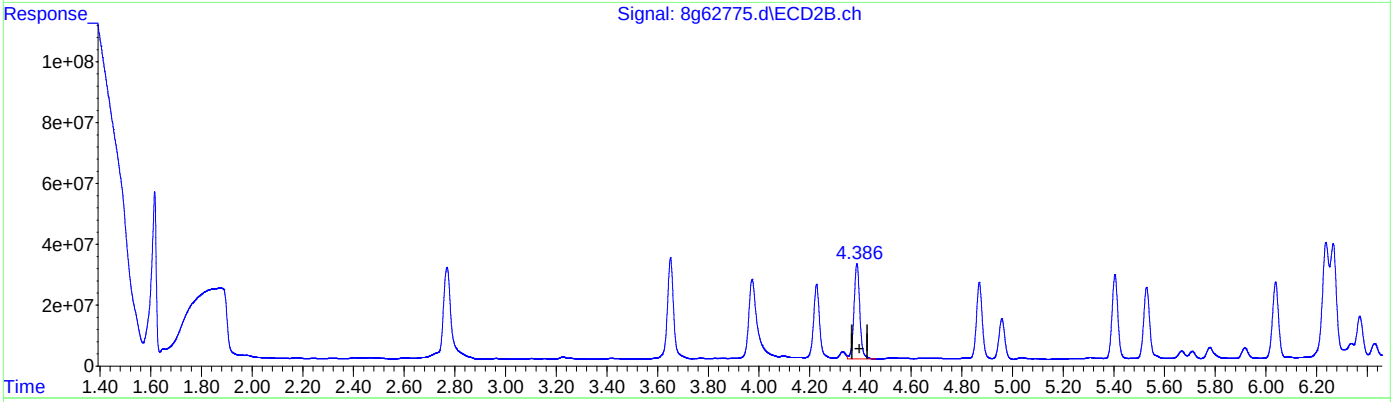
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62775.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 5:31 am
Operator : christp
Sample : op59833-msd m
Misc : op59833,g8g2700,5.2,,,10,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:06:54 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(4) alpha-BHC (A)

3.443min 2.605 PPB

response 244023503

(4) alpha-BHC #2 (A)

4.386min 2.291 PPB m

response 499585493

(+) = Expected Retention Time

8PSTLVI2596a.M Tue Dec 03 12:42:52 2024 Page: 1

8G62775.D edits: alpha-BHC

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 09/24/24 10:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60340.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 10:50 am
Operator : rebeccak
Sample : ddt
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 06:59:44 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 06:56:21 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1)	I 1-bromo-2...	2.423	2.794	284.9E6	798.1E6	5.000	5.000
27)	I 1-bromo-2...	2.423	2.794	284.9E6	798.1E6	5.000	5.000
33)	I 1-bromo-2...	2.423	2.794	284.9E6	798.1E6	5.000	5.000
	System Monitoring Compounds						
2)	SAB Tetrachlo...	2.972	3.684	319.9E6	961.1E6	5.821	4.915
	Spiked Amount 40.000	Range 30 - 150		Recovery =		14.55%#	12.29%#
26)	SA Decachlor...	10.673	13.075	310.4E6	561.4E6	5.870	5.075
	Spiked Amount 40.000			Recovery =		14.67%	12.69%
	Target Compounds						
15)	B 4,4'-DDE	5.929	7.799	1340099	5370003	0.020m	0.030m#
17)	MA Endrin	6.719	8.661	311.2E6	655.9E6	6.046	4.819
18)	A 4,4'-DDD	6.820	8.796	6679618	18368373	0.121	0.118
20)	MA 4,4'-DDT	7.259	9.360	689.4E6	1255.8E6	12.421	9.770
21)	B Endrin Al...	7.723	9.604	2965374	21664296	0.063	0.175 #
25)	B Endrin Ke...	8.901	11.056	11326377	17699250	0.168	0.091 #
	SemiQuant Compounds - Not Calibrated on this Instrument						

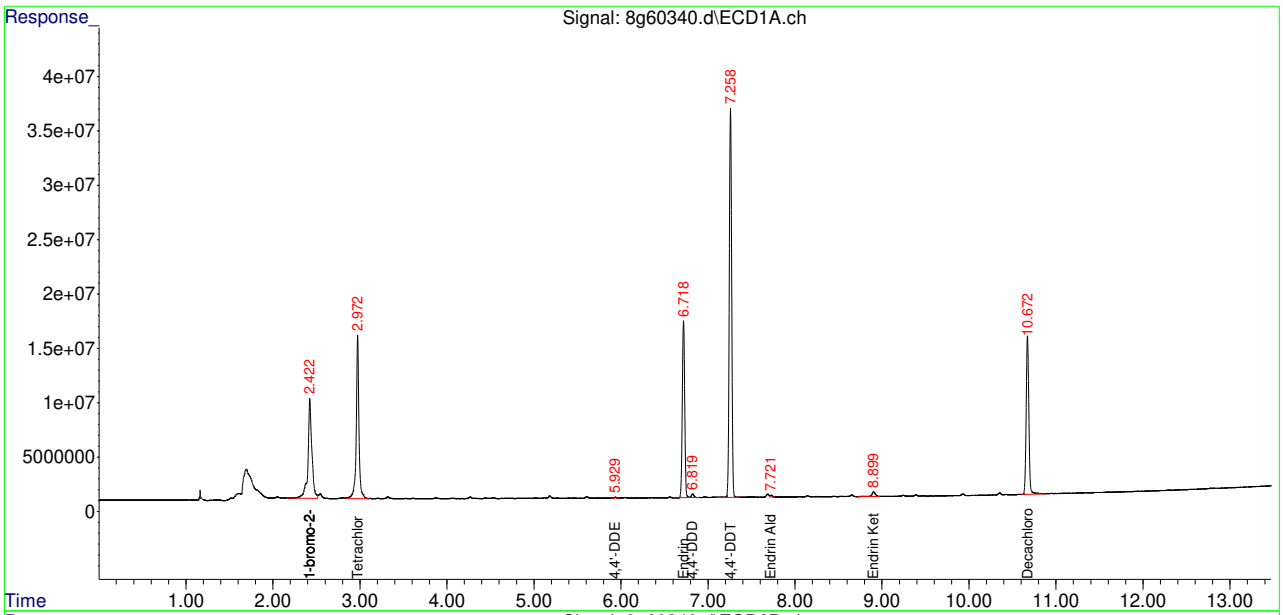
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

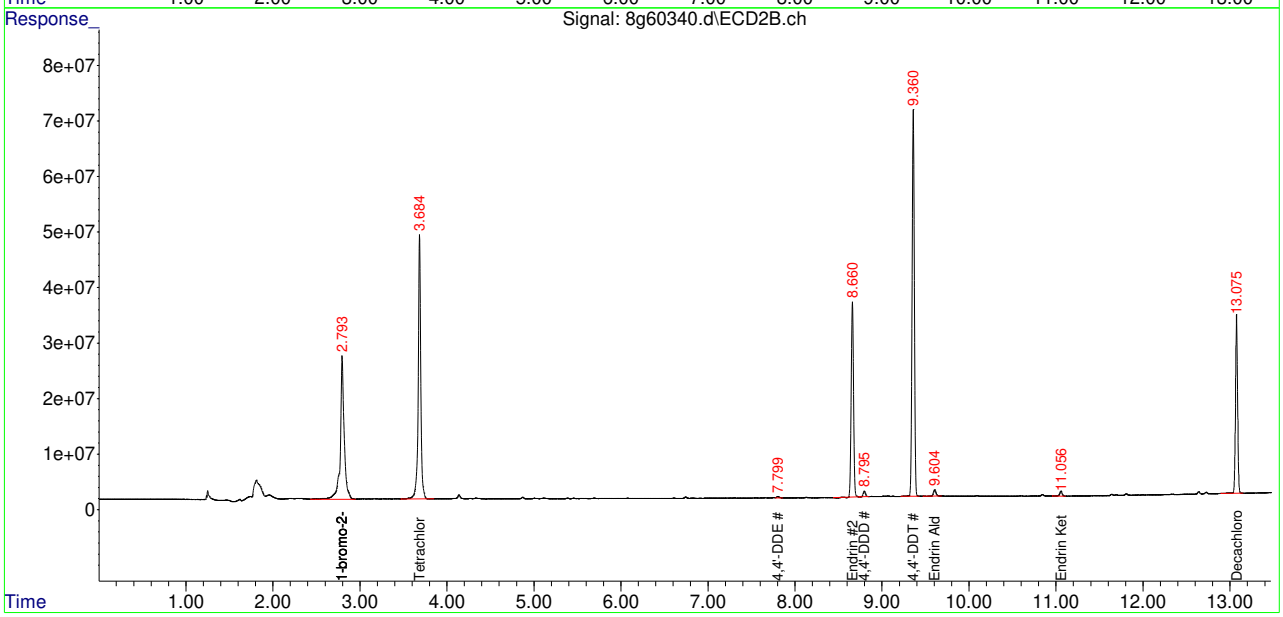
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60340.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 10:50 am
Operator : rebeccak
Sample : ddt
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 06:59:44 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 06:56:21 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





Manual Integration Approval Summary

Sample Number:	G8G2596-DDT	**Method:**	SW846 8081B
Lab FileID:	8G60340.D	**Analyst approved:**	09/19/24 07:07 Rebecca Krug
Injection Time:	09/18/24 10:50	**Supervisor approved:**	09/24/24 10:58 Gwendolyn Burns

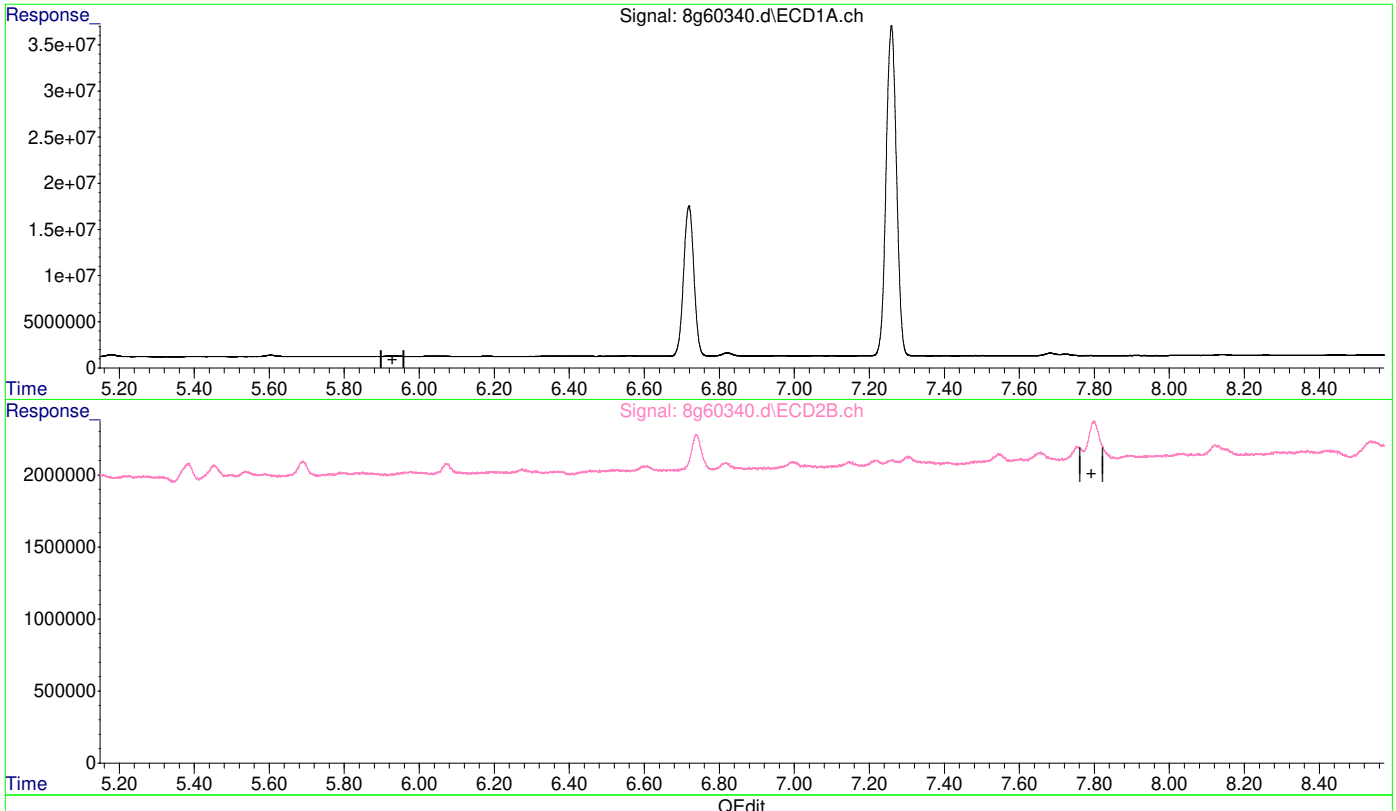
Parameter	CAS	Sig#	R.T. (min.)	Reason
4,4'-DDE	72-55-9	1	5.93	Poorly defined baseline
4,4'-DDE	72-55-9	2	7.80	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60340.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 10:50 am
Operator : rebeccak
Sample : ddt
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 06:59:10 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 06:56:21 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(15) 4,4'-DDE (B)

0.000min 0.000 PPB

response 0

(15) 4,4'-DDE #2 (B)

0.000min 0.000 PPB

response 0

(+) = Expected Retention Time

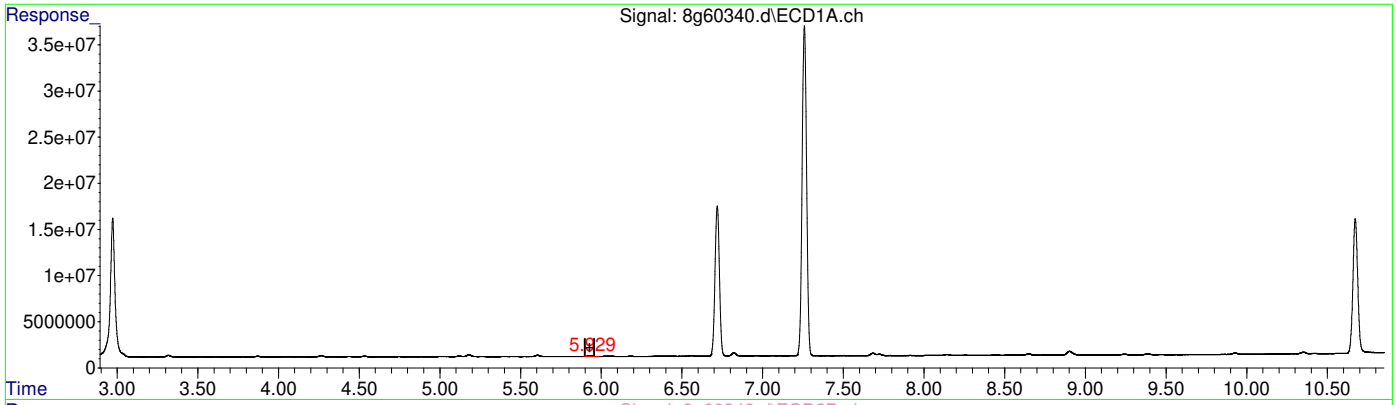
8PSTLVI2596a.M Thu Sep 19 06:59:35 2024 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60340.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 10:50 am
Operator : rebeccak
Sample : ddt
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 06:59:10 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 06:56:21 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(15) 4,4'-DDE (B)

5.929min 0.020 PPB m

response 1340099

(15) 4,4'-DDE #2 (B)

7.799min 0.030 PPB m

response 5370003

(+) = Expected Retention Time
8PSTLVI2596a.M Thu Sep 19 06:59:46 2024

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 12/03/24 16:36

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62762.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 12:19 am
Operator : christp
Sample : ddt
Misc : op59749,g8g2700,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:04:44 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1)	I 1-bromo-2...	2.403	2.768	319.8E6	717.0E6	5.000m	5.000
27)	I 1-bromo-2...	2.403	2.768	322.1E6	717.0E6	5.000m	5.000
33)	I 1-bromo-2...	2.403	2.768	319.5E6	717.0E6	5.000m	5.000
	System Monitoring Compounds						
2)	SAB Tetrachlo...	2.952	3.650	308.6E6	785.0E6	5.002	4.469
	Spiked Amount	40.000 Range	30 - 150	Recovery	=	12.50%#	11.17%#
26)	SA Decachlor...	10.616	12.997	325.5E6	433.2E6	5.484	4.359
	Spiked Amount	40.000		Recovery	=	13.71%	10.90%
	Target Compounds						
15)	B 4,4'-DDE	5.879	7.724	723064	2850969	0.010m	0.018m#
17)	MA Endrin	6.660	8.577	347.5E6	630.3E6	6.016	5.154
18)	A 4,4'-DDD	6.768	8.722	13352496	45252466	0.216m	0.324 #
20)	MA 4,4'-DDT	7.203	9.280	658.0E6	1067.6E6	10.560	9.246
21)	B Endrin Al...	7.662	9.522	877688	5876817	0.017m	0.053m#
25)	B Endrin Ke...	8.835	10.971	7141980	13027832	0.094m	0.074m
	SemiQuant Compounds - Not Calibrated on this Instrument						

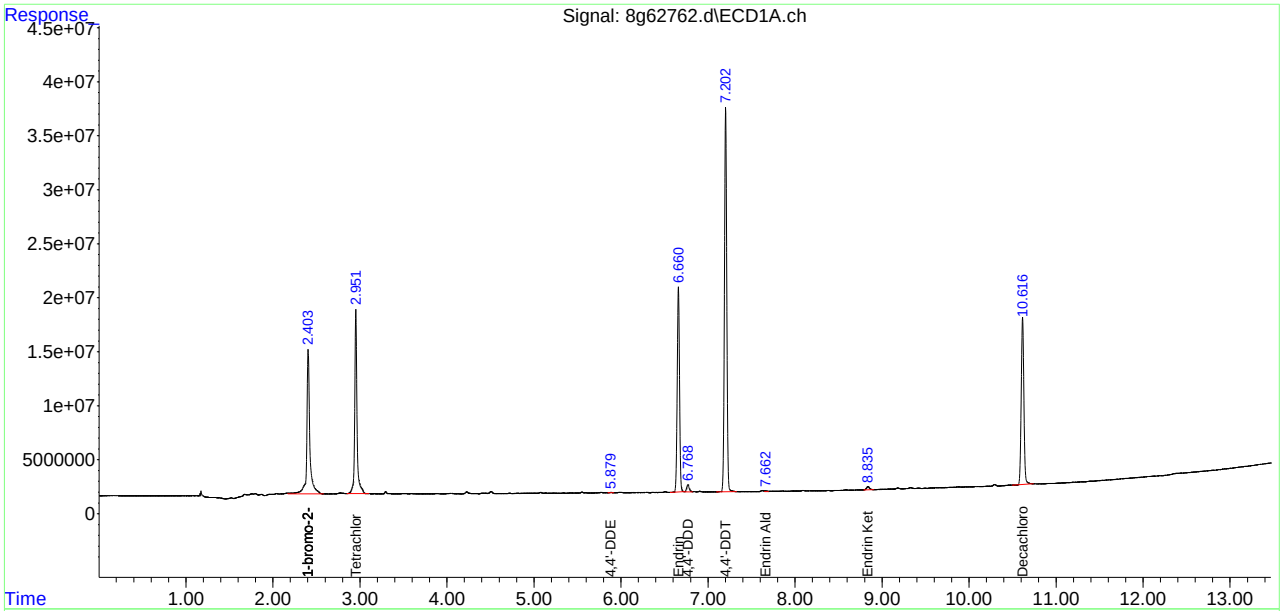
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

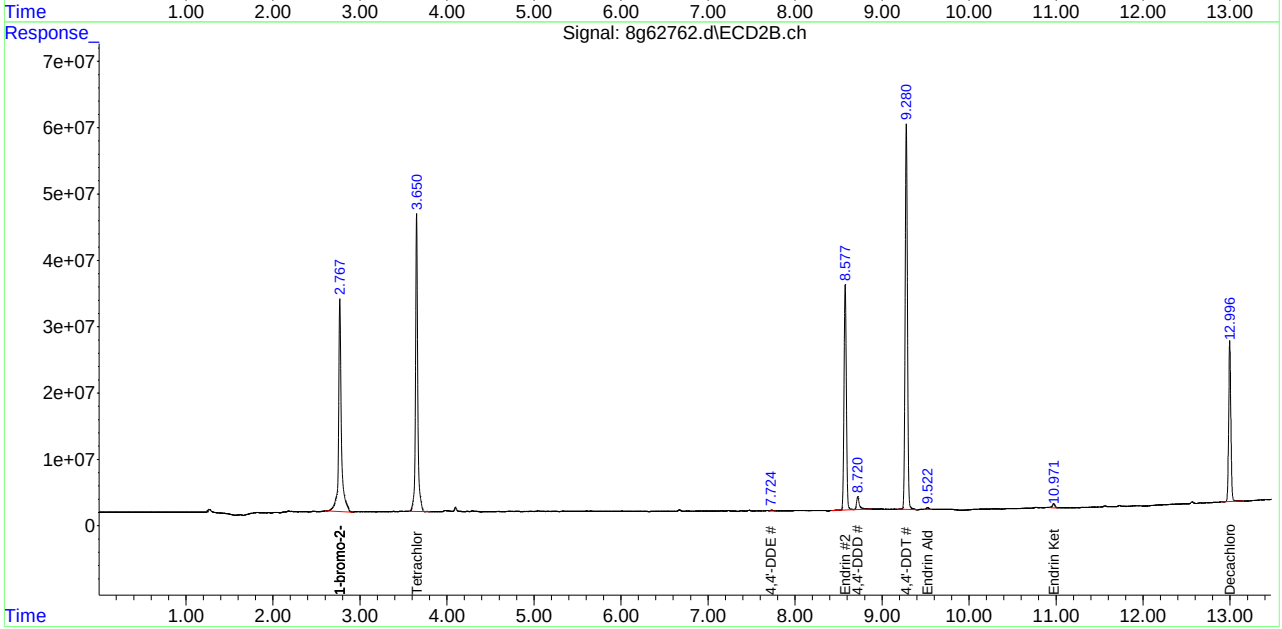
Quantitation Report (QT Reviewed)

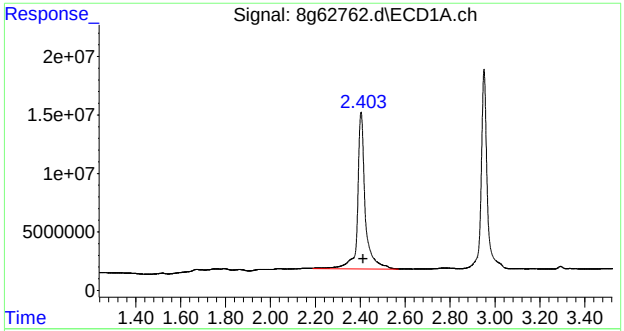
Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62762.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 12:19 am
Operator : christp
Sample : ddt
Misc : op59749,g8g2700,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:04:44 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

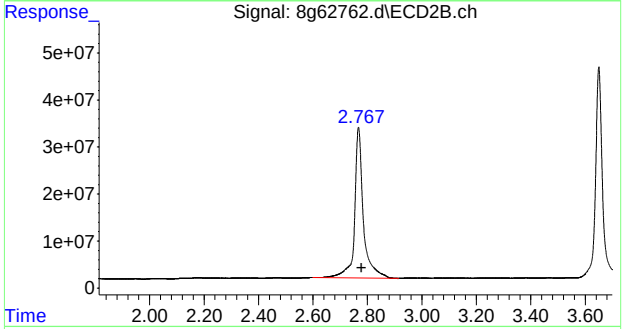






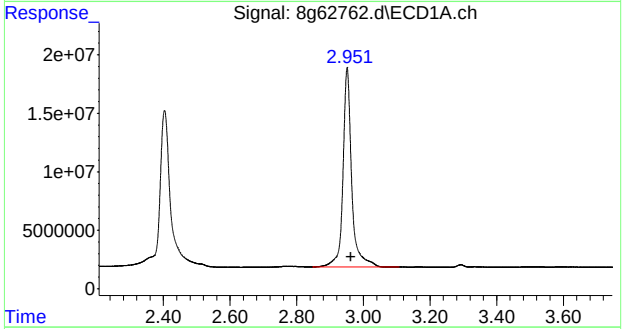
#1 1-bromo-2-nitrobenzene

R.T.: 2.403 min
Delta R.T.: -0.010 min
Response: 319795027
Conc: 5.00 PPB m



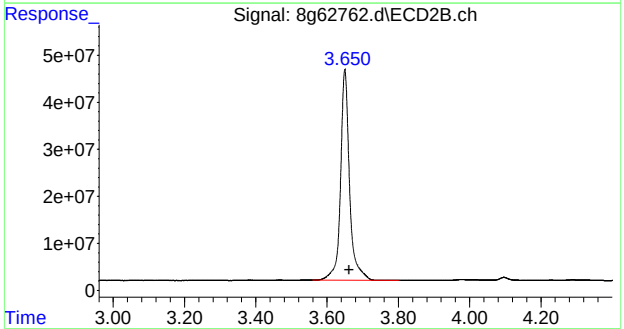
#1 1-bromo-2-nitrobenzene

R.T.: 2.768 min
Delta R.T.: -0.010 min
Response: 717027911
Conc: 5.00 PPB



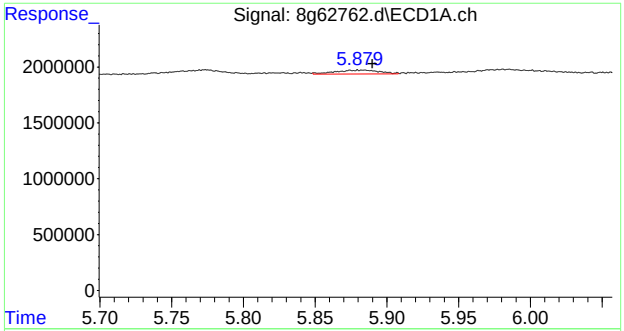
#2 Tetrachloro-m-xylene

R.T.: 2.952 min
Delta R.T.: -0.011 min
Response: 308638667
Conc: 5.00 PPB



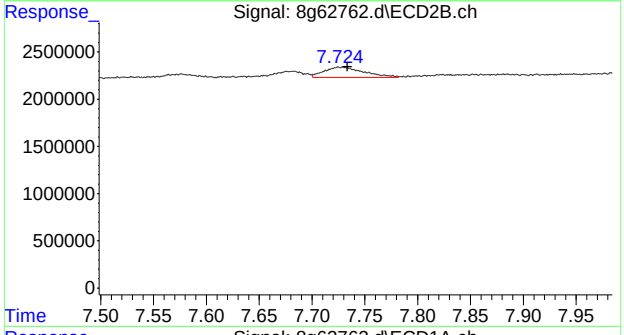
#2 Tetrachloro-m-xylene

R.T.: 3.650 min
Delta R.T.: -0.011 min
Response: 785037963
Conc: 4.47 PPB



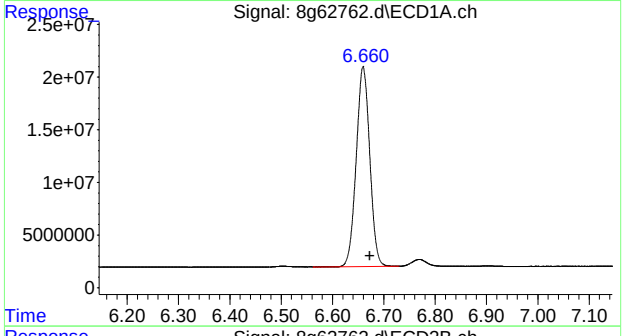
#15 4,4'-DDE

R.T.: 5.879 min
Delta R.T.: -0.011 min
Response: 723064
Conc: 0.01 PPB m



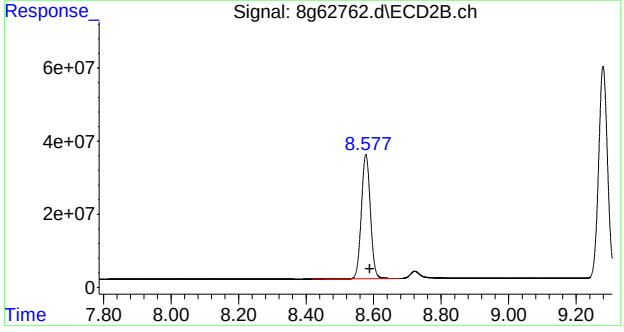
#15 4,4'-DDE

R.T.: 7.724 min
Delta R.T.: -0.009 min
Response: 2850969
Conc: 0.02 PPB m



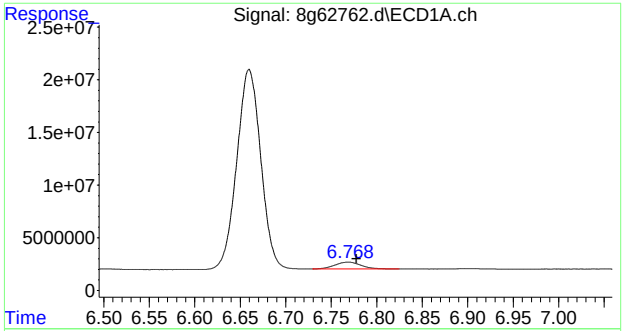
#17 Endrin

R.T.: 6.660 min
Delta R.T.: -0.013 min
Response: 347533700
Conc: 6.02 PPB



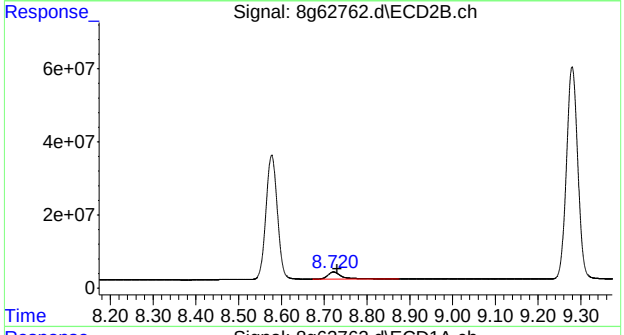
#17 Endrin

R.T.: 8.577 min
Delta R.T.: -0.012 min
Response: 630312279
Conc: 5.15 PPB



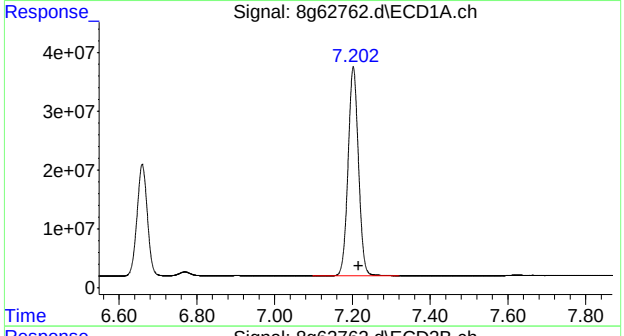
#18 4,4'-DDD

R.T.: 6.768 min
Delta R.T.: -0.010 min
Response: 13352496
Conc: 0.22 PPB m



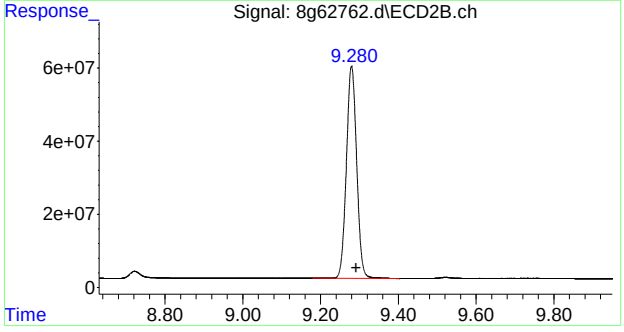
#18 4,4'-DDD

R.T.: 8.722 min
Delta R.T.: -0.008 min
Response: 45252466
Conc: 0.32 PPB



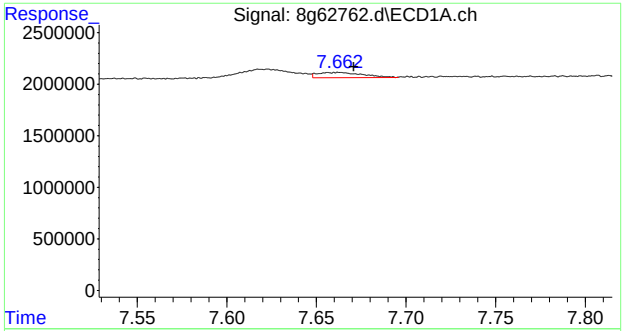
#20 4,4'-DDT

R.T.: 7.203 min
Delta R.T.: -0.013 min
Response: 657954260
Conc: 10.56 PPB



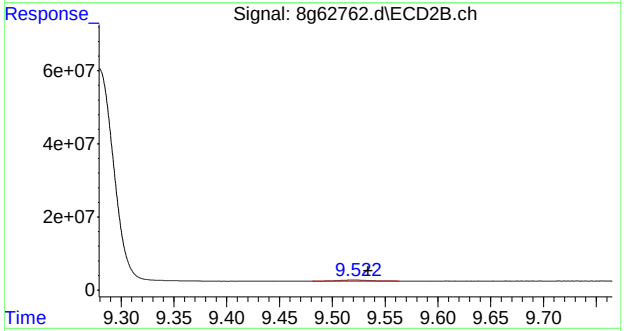
#20 4,4'-DDT

R.T.: 9.280 min
Delta R.T.: -0.012 min
Response: 1067635809
Conc: 9.25 PPB



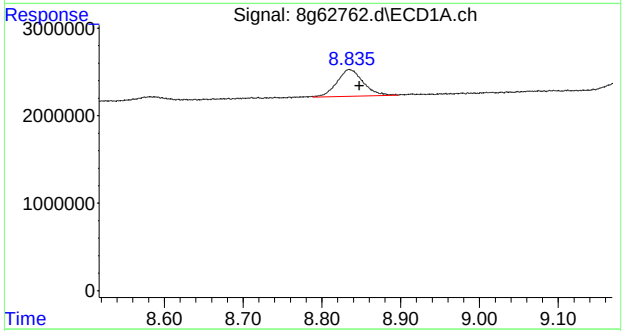
#21 Endrin Aldehyde

R.T.: 7.662 min
Delta R.T.: -0.009 min
Response: 877688
Conc: 0.02 PPB m



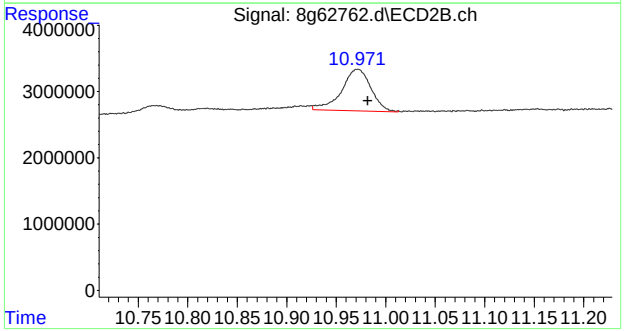
#21 Endrin Aldehyde

R.T.: 9.522 min
Delta R.T.: -0.012 min
Response: 5876817
Conc: 0.05 PPB m



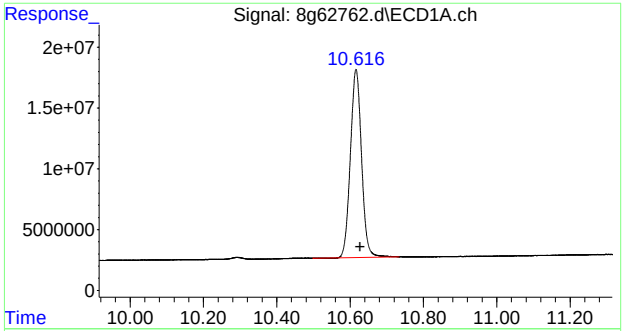
#25 Endrin Ketone

R.T.: 8.835 min
Delta R.T.: -0.013 min
Response: 7141980
Conc: 0.09 PPB m



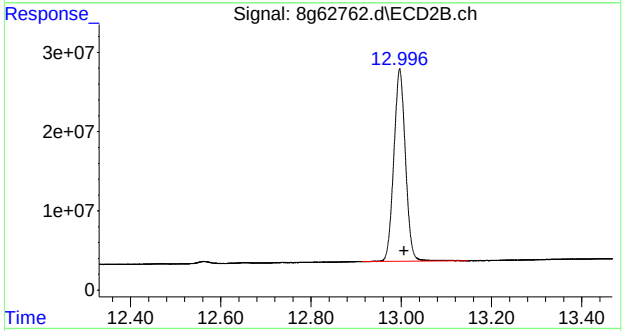
#25 Endrin Ketone

R.T.: 10.971 min
Delta R.T.: -0.010 min
Response: 13027832
Conc: 0.07 PPB m



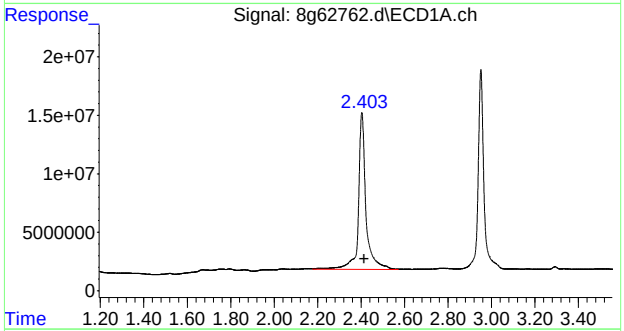
#26 Decachlorobiphenyl

R.T.: 10.616 min
Delta R.T.: -0.011 min
Response: 325541306
Conc: 5.48 PPB



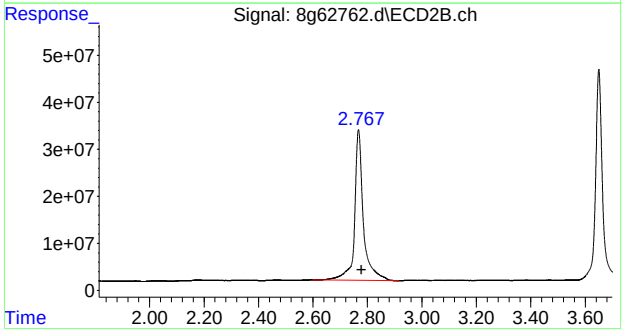
#26 Decachlorobiphenyl

R.T.: 12.997 min
Delta R.T.: -0.010 min
Response: 433154026
Conc: 4.36 PPB



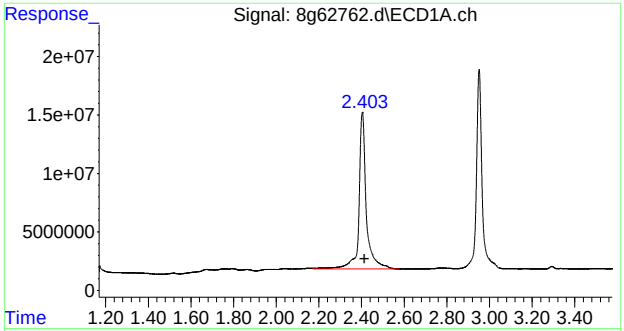
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.403 min
Delta R.T.: -0.010 min
Response: 322130235
Conc: 5.00 PPB m



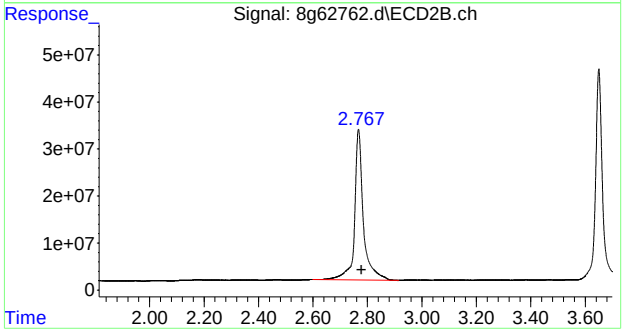
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.768 min
Delta R.T.: -0.010 min
Response: 717027911
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.403 min
Delta R.T.: -0.010 min
Response: 319506287
Conc: 5.00 PPB m



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.768 min
Delta R.T.: -0.010 min
Response: 717027911
Conc: 5.00 PPB

Manual Integration Approval Summary

Sample Number: G8G2700-DDT
Lab FileID: 8G62762.D
Injection Time: 12/03/24 00:19
Method: SW846 8081B
Analyst approved: 12/03/24 08:06 Christopher Changho
Supervisor approved: 12/03/24 16:36 Gwendolyn Burns

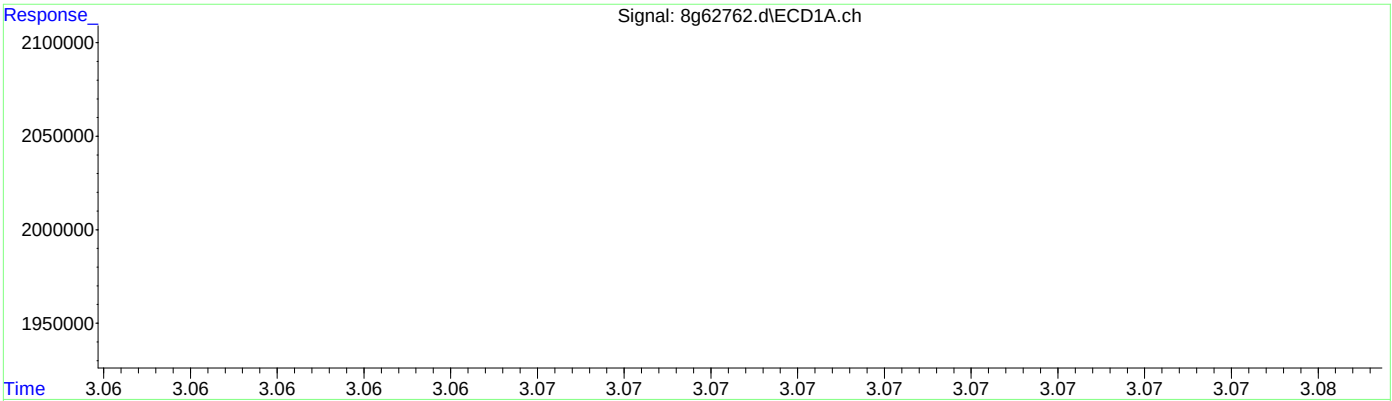
Parameter	CAS	Sig#	R.T. (min.)	Reason
1-Bromo-2-nitrobenzene	577-19-5	1	2.40	Poorly defined baseline
4,4'-DDE	72-55-9	1	5.88	Poorly defined baseline
4,4'-DDD	72-54-8	1	6.77	Poorly defined baseline
Endrin aldehyde	7421-93-4	1	7.66	Poorly defined baseline
4,4'-DDE	72-55-9	2	7.72	Poorly defined baseline
Endrin ketone	53494-70-5	1	8.83	Poorly defined baseline
Endrin aldehyde	7421-93-4	2	9.52	Poorly defined baseline
Endrin ketone	53494-70-5	2	10.97	Poorly defined baseline

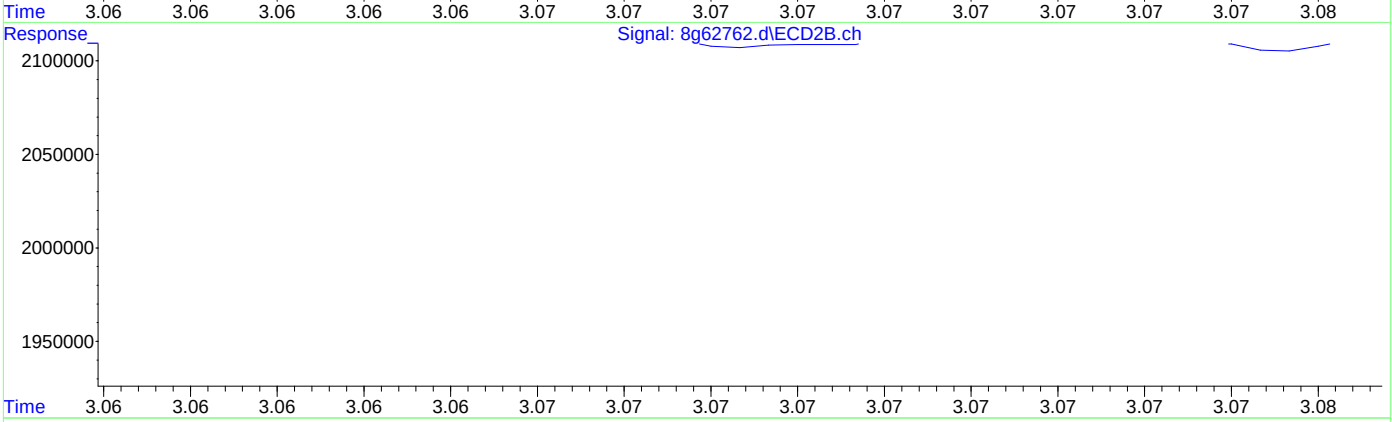
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62762.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 12:19 am
Operator : christp
Sample : ddt
Misc : op59749,g8g2700,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:02:43 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(1) 1-bromo-2-nitrobenzene (I)

2.404min 5.000 PPB

response 348829109

(1) 1-bromo-2-nitrobenzene #2 (I)

2.768min 5.000 PPB

response 717027911

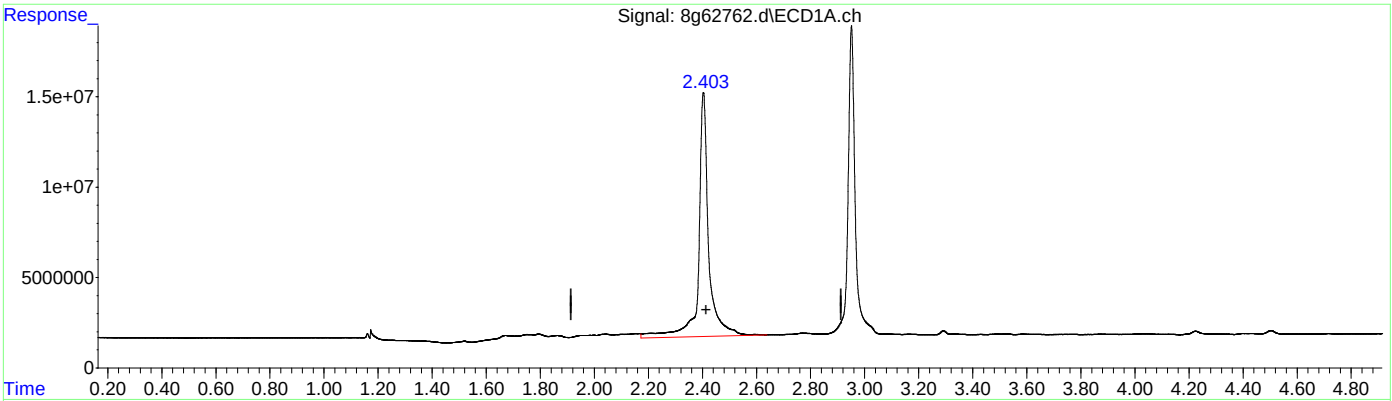
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:03:17 2024 Page: 1

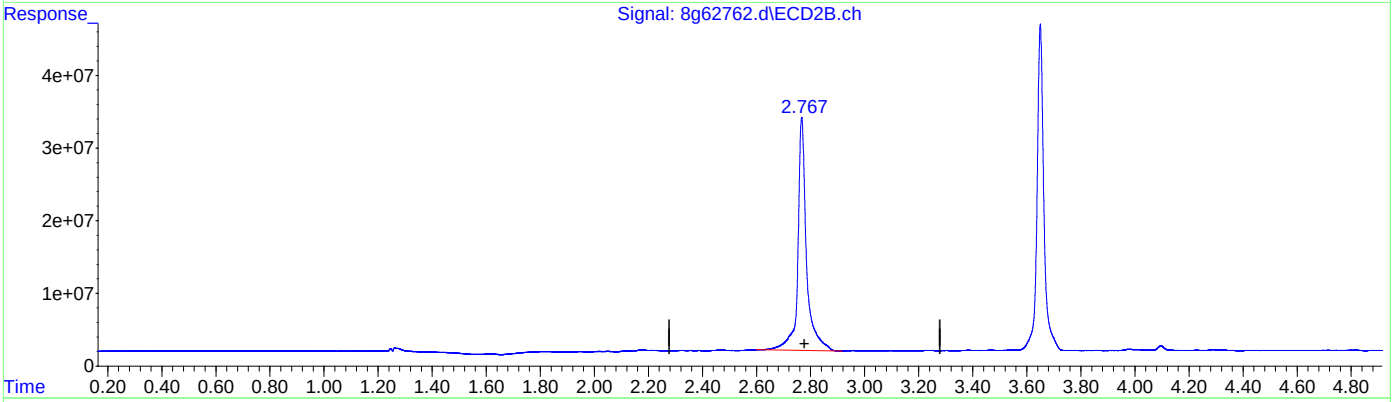
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62762.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 12:19 am
Operator : christp
Sample : ddt
Misc : op59749,g8g2700,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:02:43 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(1) 1-bromo-2-nitrobenzene (I)

2.404min 5.000 PPB

response 348829109

(1) 1-bromo-2-nitrobenzene #2 (I)

2.768min 5.000 PPB

response 717027911

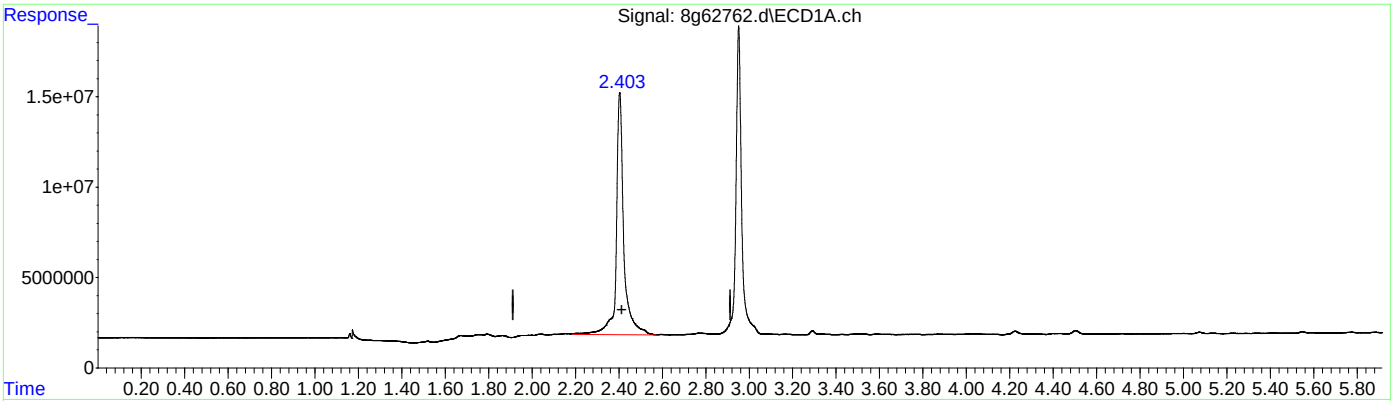
(+) = Expected Retention Time

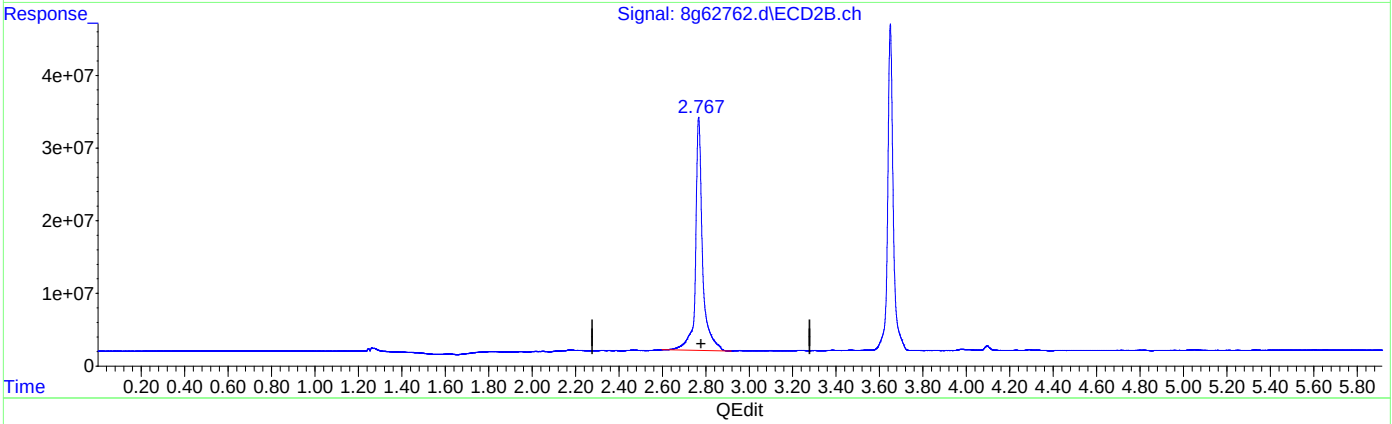
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62762.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 12:19 am
Operator : christp
Sample : ddt
Misc : op59749,g8g2700,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:02:43 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(1) 1-bromo-2-nitrobenzene (I)

2.403min 5.000 PPB m

response 319795027

(1) 1-bromo-2-nitrobenzene #2 (I)

2.768min 5.000 PPB

response 717027911

(+) = Expected Retention Time

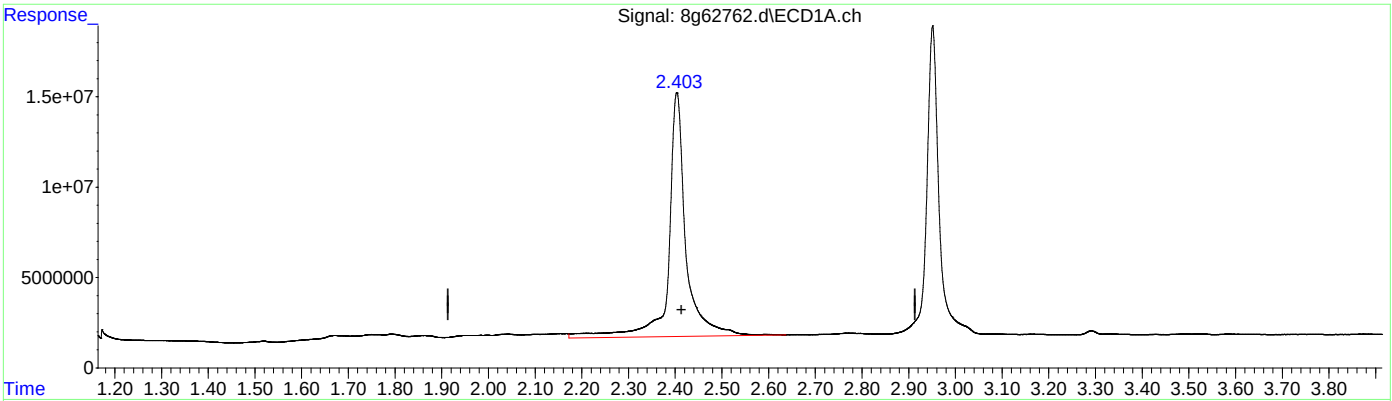
8PSTLVI2596a.M Tue Dec 03 12:03:26 2024 Page: 1

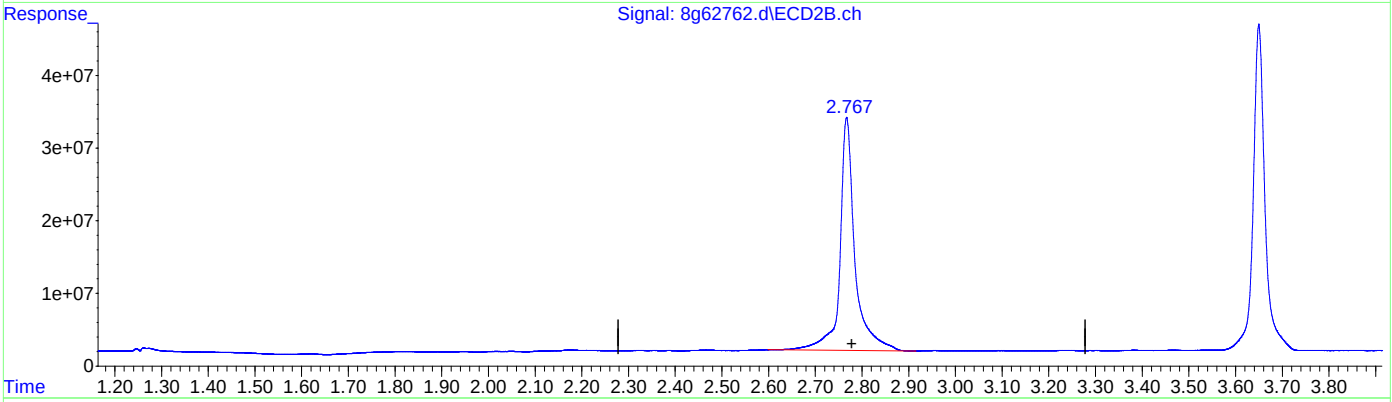
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62762.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 12:19 am
Operator : christp
Sample : ddt
Misc : op59749,g8g2700,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:02:43 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(27) 1-bromo-2-nitrobenzeneA (I)

2.404min 5.000 PPB

response 348829109

(27) 1-bromo-2-nitrobenzeneA #2 (I)

2.768min 5.000 PPB

response 717027911

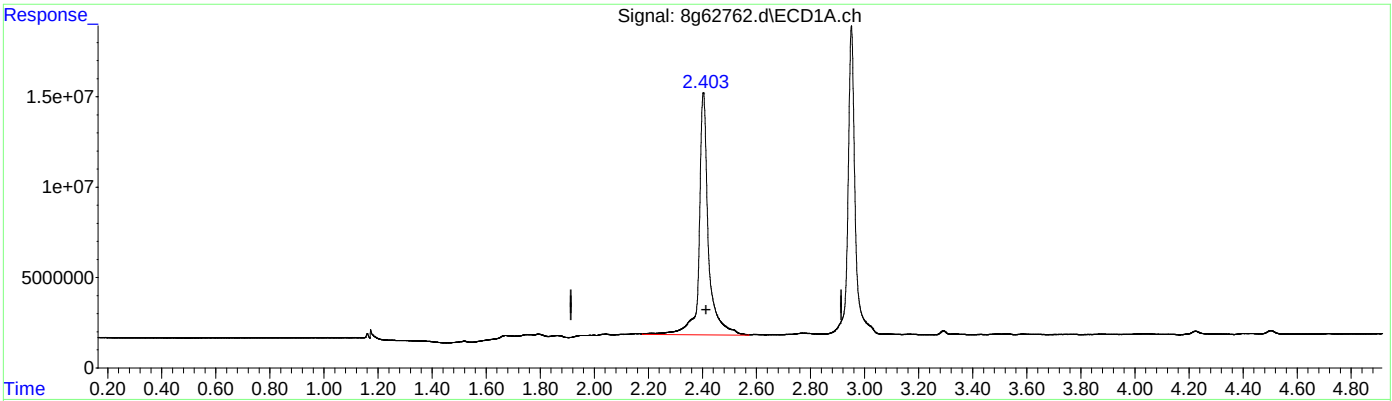
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:03:29 2024

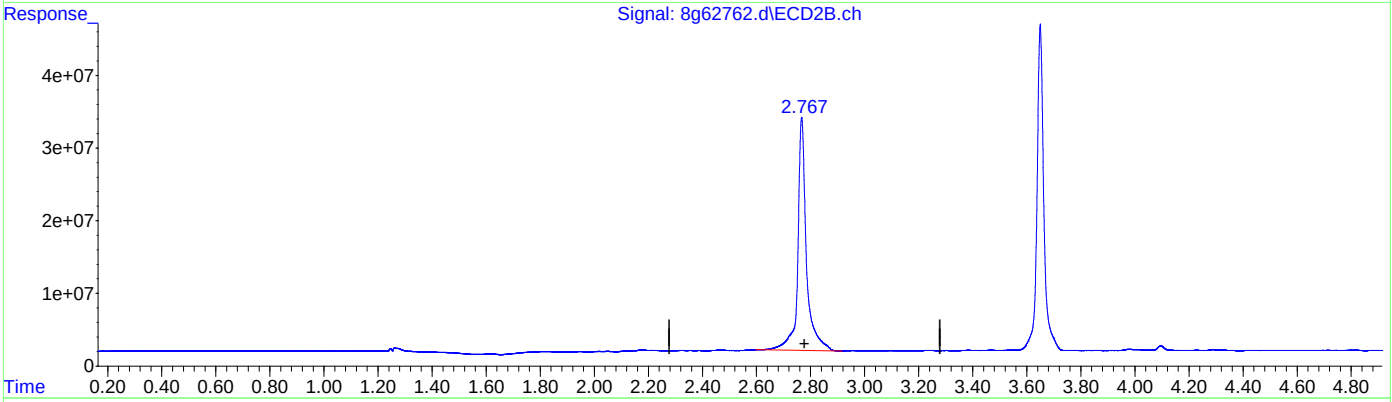
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62762.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 12:19 am
Operator : christp
Sample : ddt
Misc : op59749,g8g2700,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:02:43 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(27) 1-bromo-2-nitrobenzeneA (I)

2.403min 5.000 PPB m

response 322130235

(27) 1-bromo-2-nitrobenzeneA #2 (I)

2.768min 5.000 PPB

response 717027911

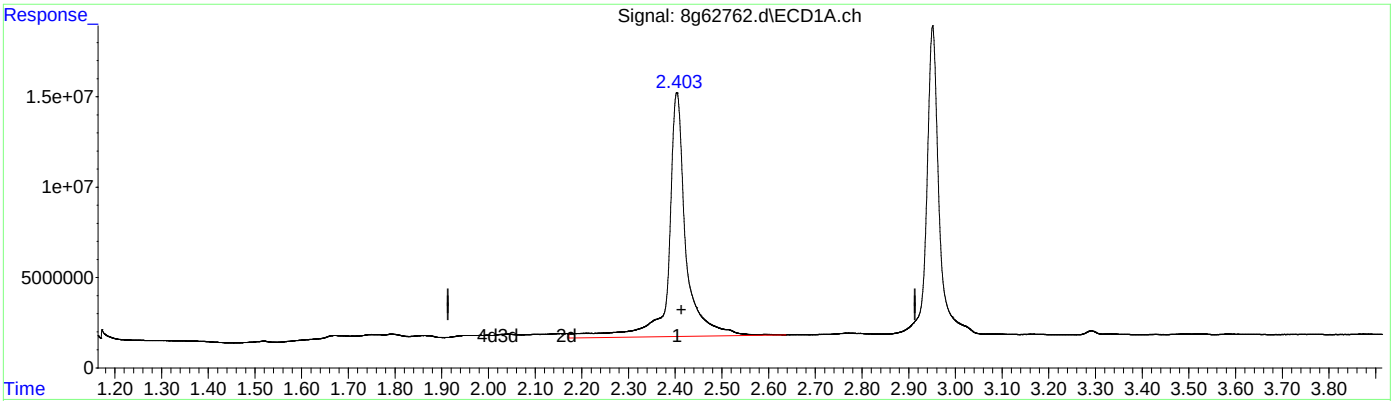
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:03:34 2024

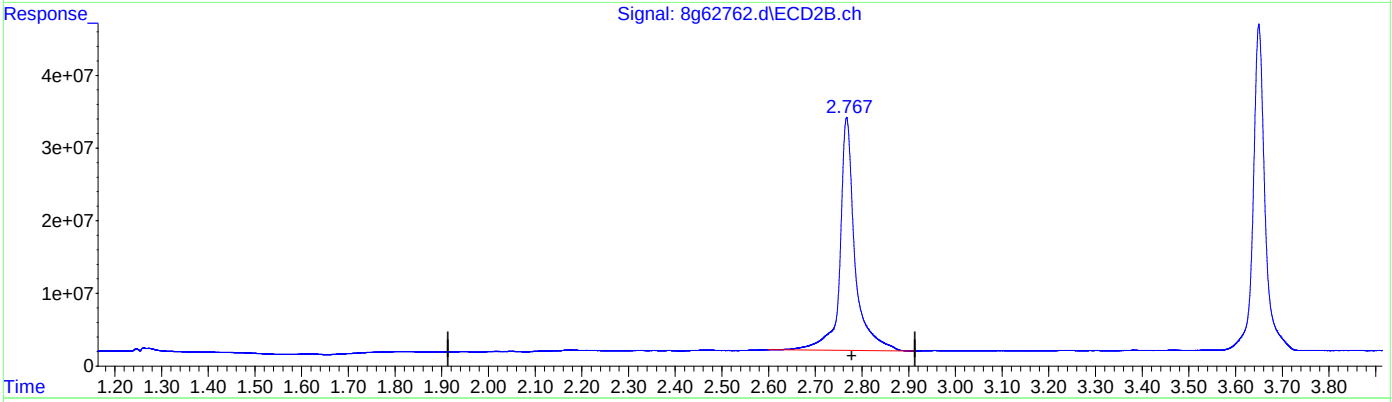
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62762.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 12:19 am
Operator : christp
Sample : ddt
Misc : op59749,g8g2700,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:02:43 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(33) 1-bromo-2-nitrobenzeneB (I)

2.404min 5.000 PPB

response 348829109

(33) 1-bromo-2-nitrobenzeneB #2 (I)

2.768min 5.000 PPB

response 717027911

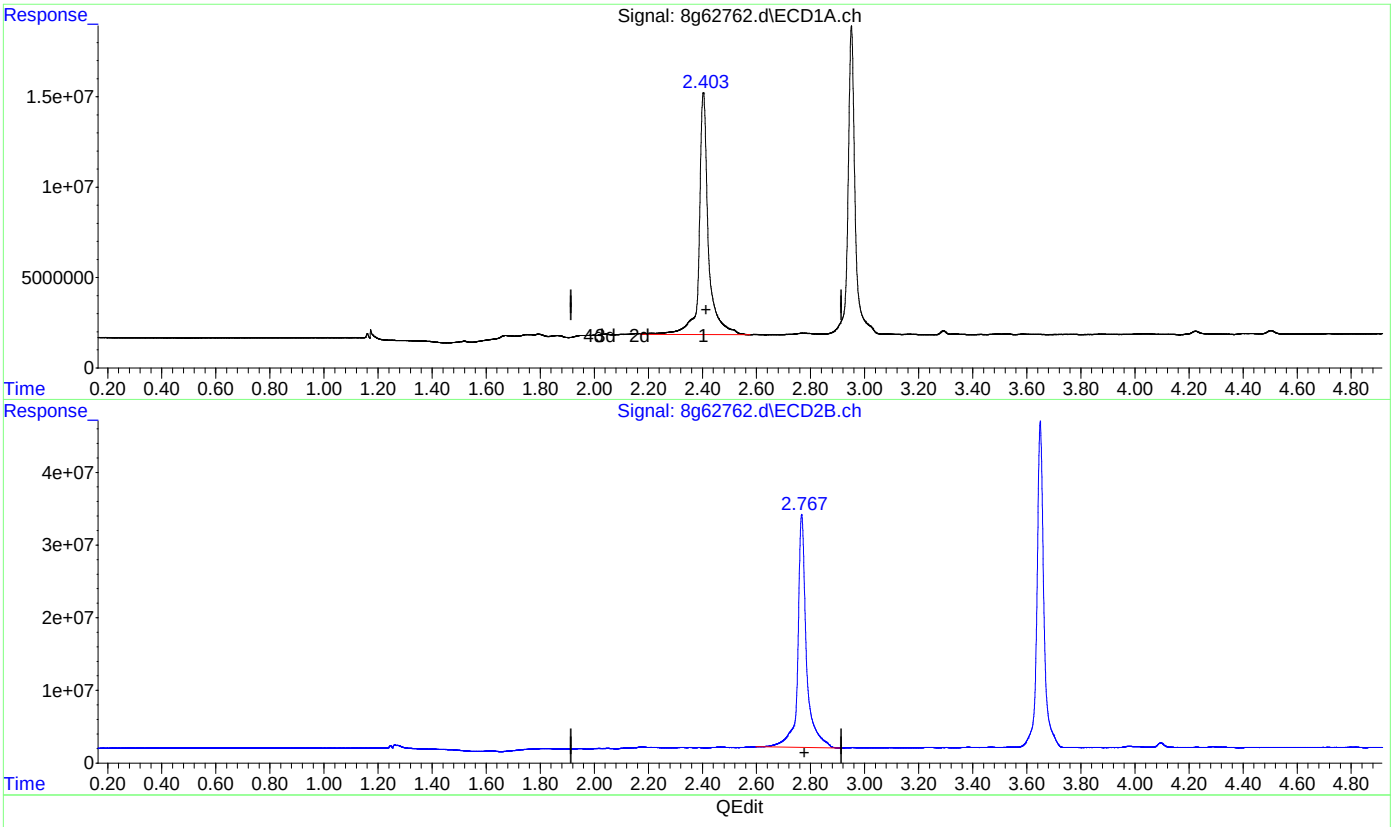
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:03:36 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62762.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 12:19 am
Operator : christp
Sample : ddt
Misc : op59749,g8g2700,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:02:43 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(33) 1-bromo-2-nitrobenzeneB (I)

2.403min 5.000 PPB m

response 319506287

(33) 1-bromo-2-nitrobenzeneB #2 (I)

2.768min 5.000 PPB

response 717027911

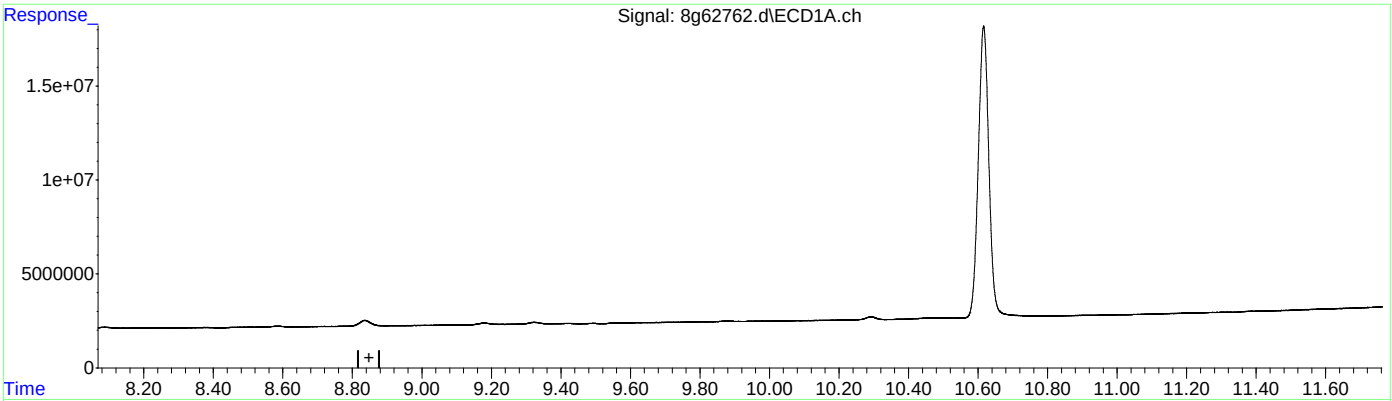
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:03:41 2024

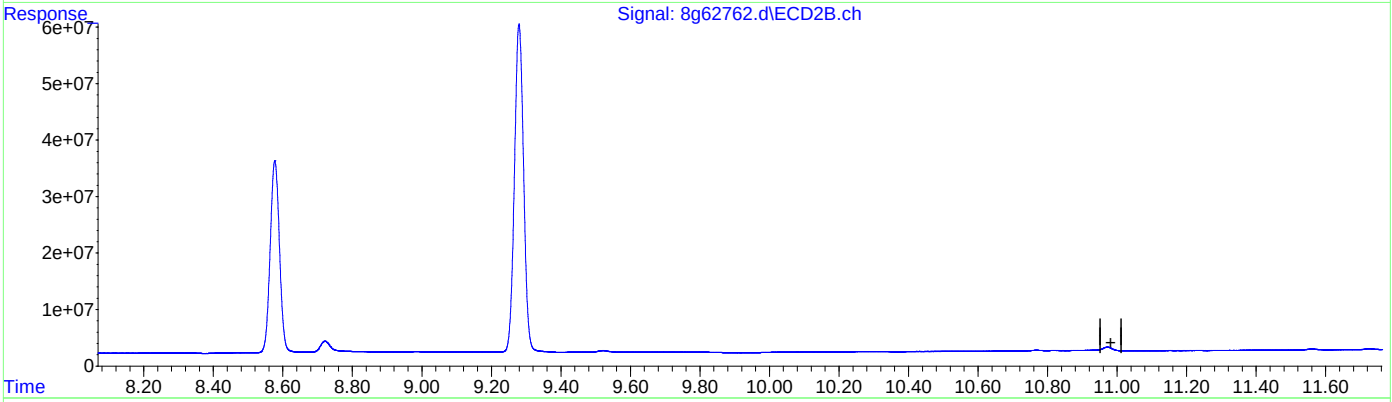
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62762.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 12:19 am
Operator : christp
Sample : ddt
Misc : op59749,g8g2700,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:02:43 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(25) Endrin Ketone (B)

0.000min 0.000 PPB

response 0

(25) Endrin Ketone #2 (B)

0.000min 0.000 PPB

response 0

(+) = Expected Retention Time

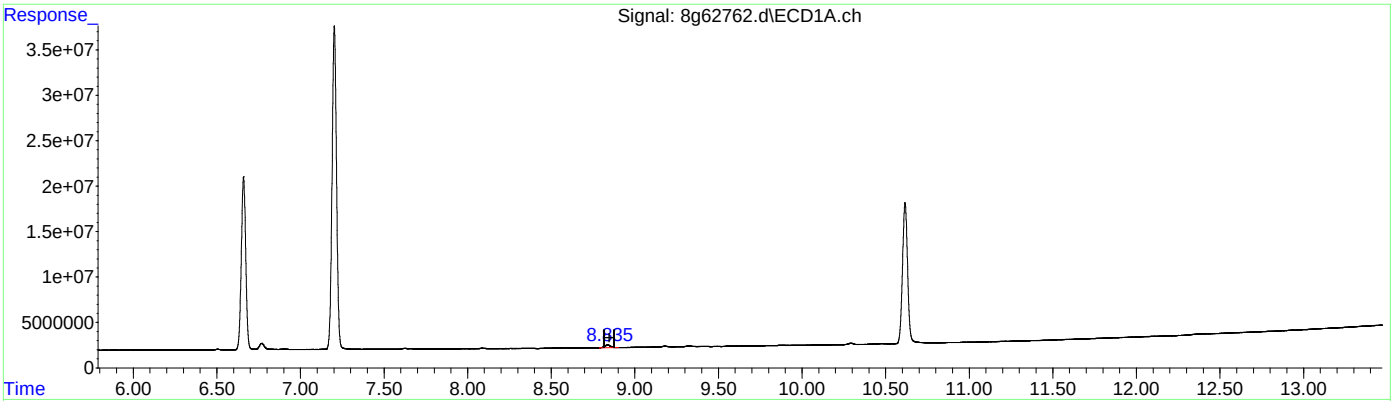
8PSTLVI2596a.M Tue Dec 03 12:03:52 2024 Page: 1

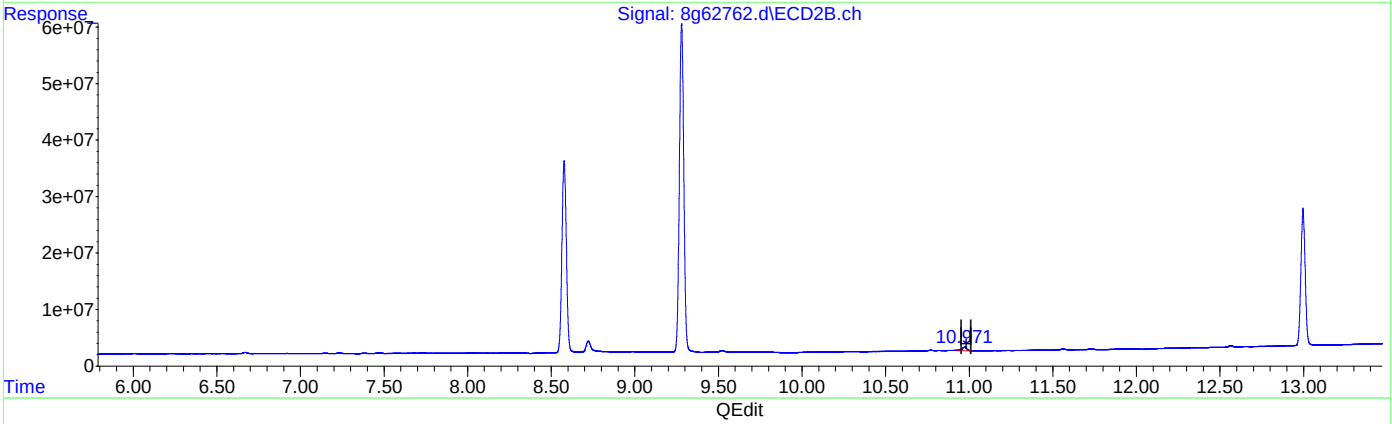
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62762.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 12:19 am
Operator : christp
Sample : ddt
Misc : op59749,g8g2700,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:02:43 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(25) Endrin Ketone (B)

8.835min 0.094 PPB m

response 7141980

(25) Endrin Ketone #2 (B)

10.971min 0.074 PPB m

response 13027832

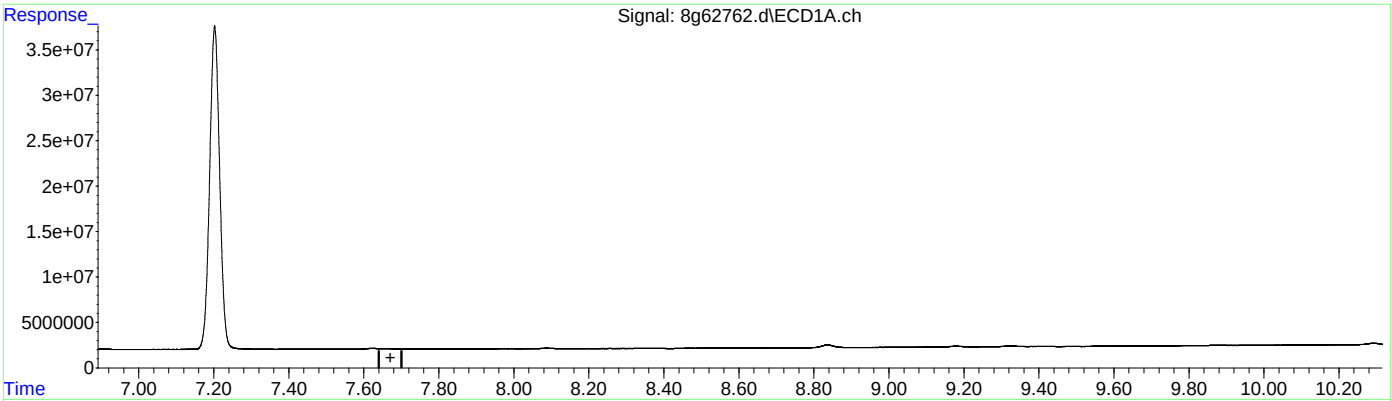
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:04:01 2024

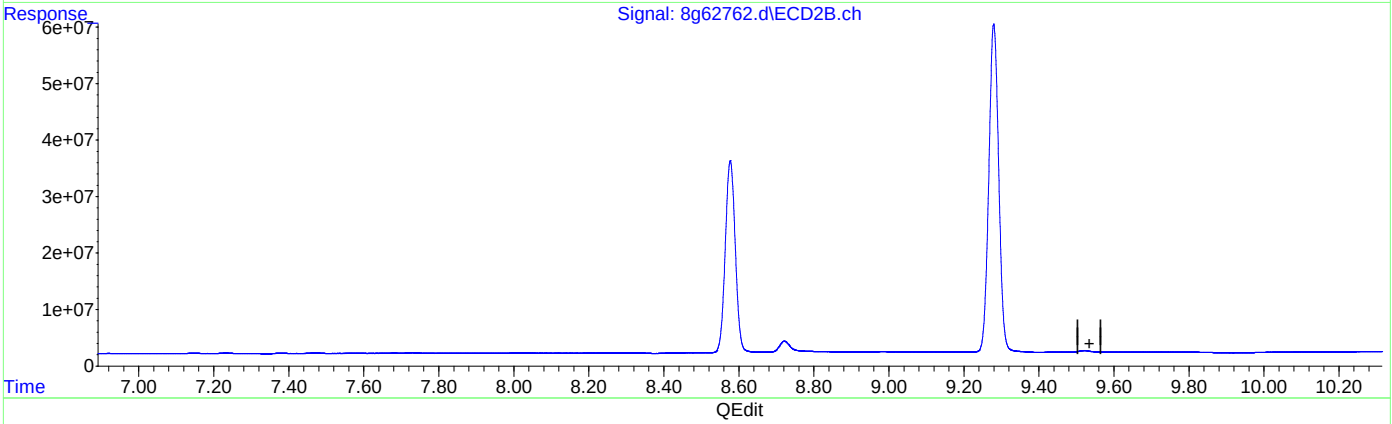
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62762.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 12:19 am
Operator : christp
Sample : ddt
Misc : op59749,g8g2700,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:02:43 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(21) Endrin Aldehyde (B)

0.000min 0.000 PPB

response 0

(21) Endrin Aldehyde #2 (B)

0.000min 0.000 PPB

response 0

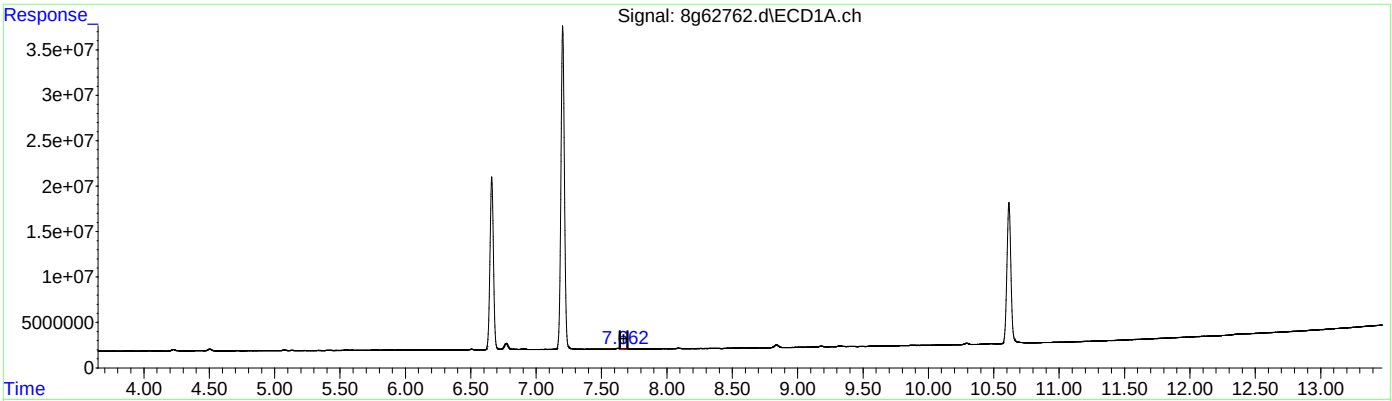
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:04:06 2024

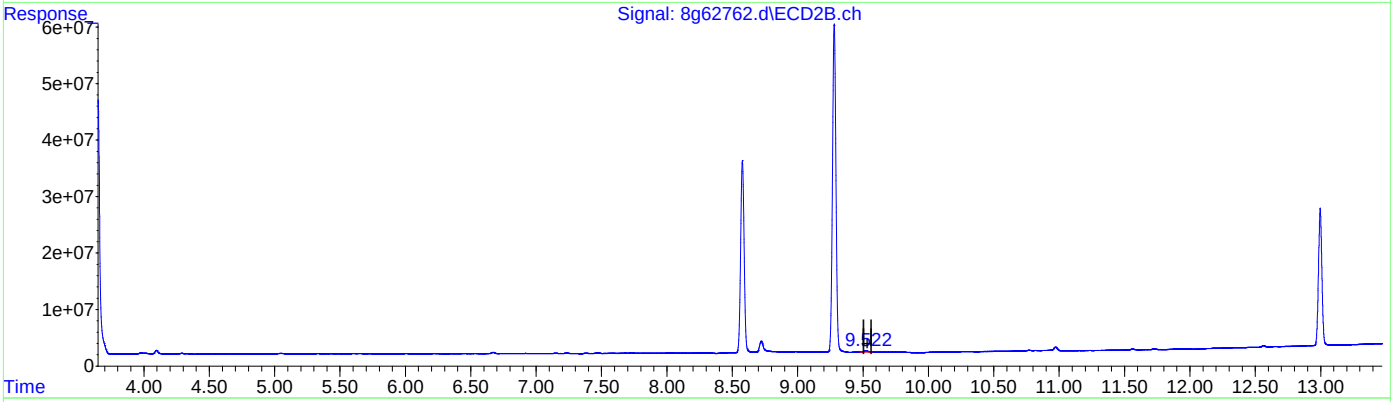
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62762.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 12:19 am
Operator : christp
Sample : ddt
Misc : op59749,g8g2700,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:02:43 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(21) Endrin Aldehyde (B)

7.662min 0.017 PPB m

response 877688

(21) Endrin Aldehyde #2 (B)

9.522min 0.053 PPB m

response 5876817

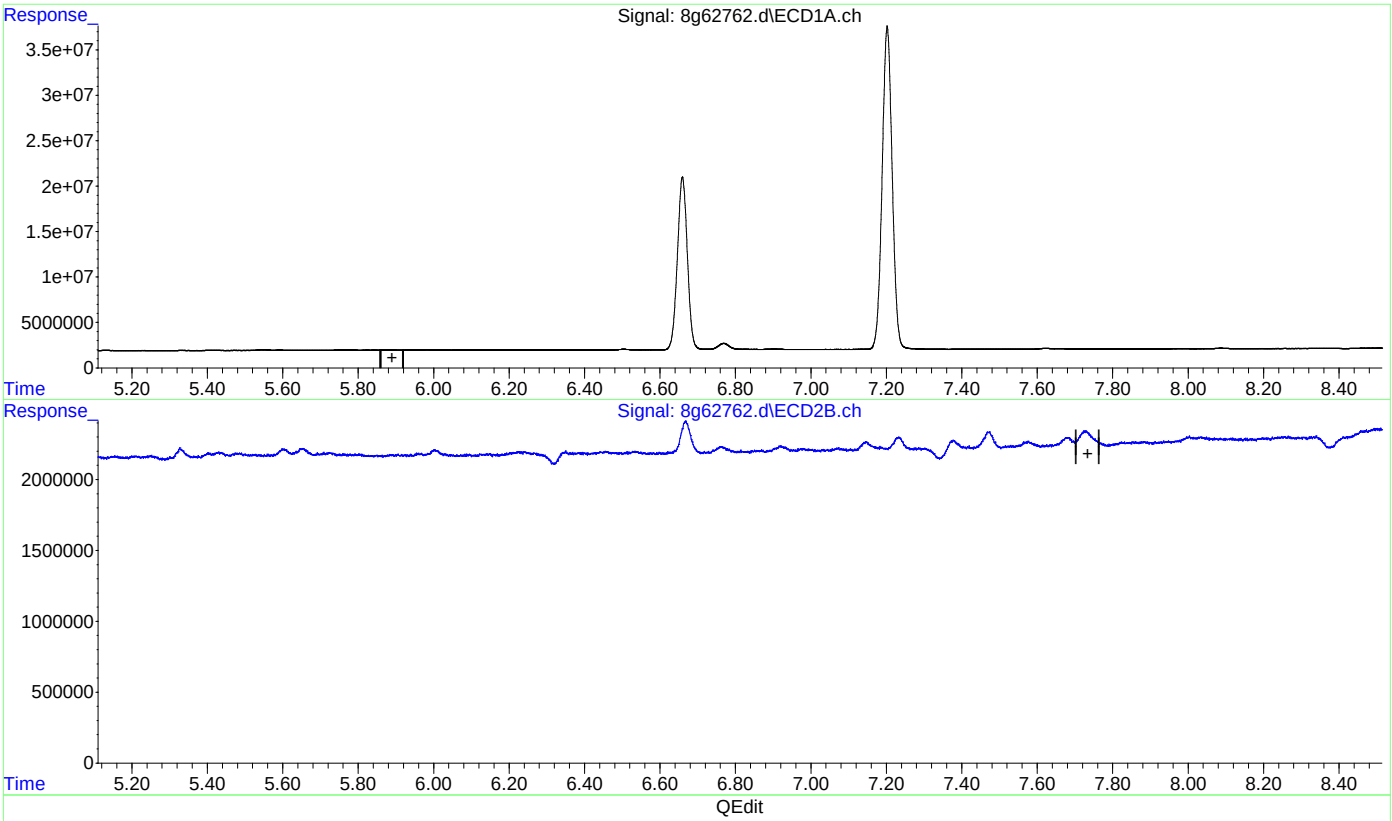
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:04:17 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62762.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 12:19 am
Operator : christp
Sample : ddt
Misc : op59749,g8g2700,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:02:43 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(15) 4,4'-DDE (B)

0.000min 0.000 PPB

response 0

(15) 4,4'-DDE #2 (B)

0.000min 0.000 PPB

response 0

(+) = Expected Retention Time

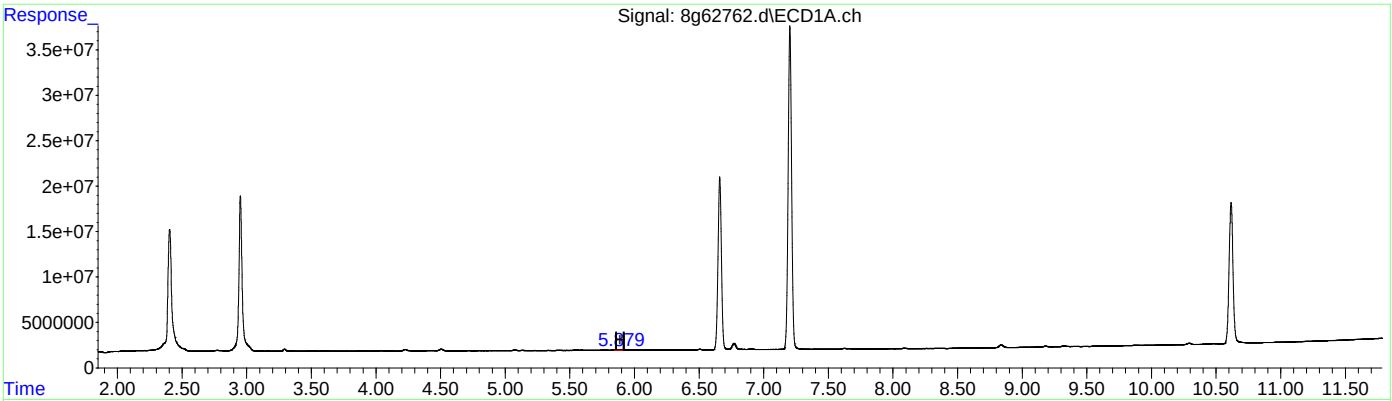
8PSTLVI2596a.M Tue Dec 03 12:04:30 2024 Page: 1

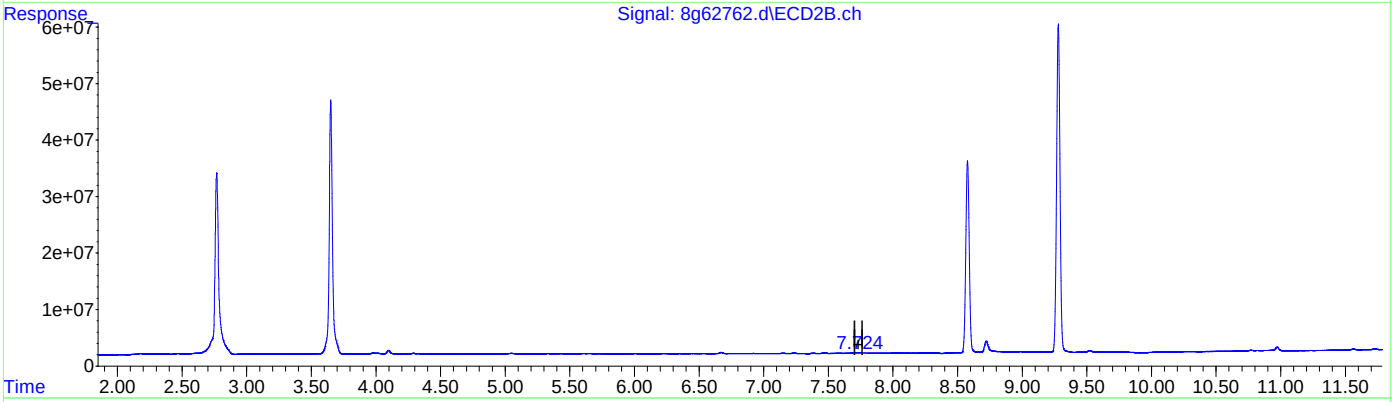
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62762.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 12:19 am
Operator : christp
Sample : ddt
Misc : op59749,g8g2700,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:02:43 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(15) 4,4'-DDE (B)

5.879min 0.010 PPB m

response 723064

(15) 4,4'-DDE #2 (B)

7.724min 0.018 PPB m

response 2850969

(+) = Expected Retention Time

8PSTLVI2596a.M Tue Dec 03 12:04:45 2024

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 12/05/24 15:03

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62843.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 2:33 pm
Operator : kyrac
Sample : ddt
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:25:31 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1)	I 1-bromo-2...	2.417	2.779	335.1E6	817.8E6	5.000m	5.000
27)	I 1-bromo-2...	2.417	2.779	328.2E6	817.8E6	5.000m	5.000
33)	I 1-bromo-2...	2.417	2.779	325.4E6	817.8E6	5.000m	5.000
	System Monitoring Compounds						
2)	SAB Tetrachlo...	2.959	3.656	326.1E6	868.7E6	5.044	4.336
	Spiked Amount 40.000	Range 30 - 150		Recovery =		12.61%#	10.84%#
26)	SA Decachlor...	10.614	12.996	279.1E6	375.8E6	4.486m	3.316m#
	Spiked Amount 40.000			Recovery =		11.22%	8.29%
	Target Compounds						
15)	B 4,4'-DDE	5.887	7.729	1065425	3557918	0.014m	0.020m#
17)	MA Endrin	6.661	8.576	333.0E6	631.7E6	5.501m	4.529m
18)	A 4,4'-DDD	6.768	8.721	15999296	51338802	0.247m	0.322 #
20)	MA 4,4'-DDT	7.204	9.280	636.1E6	1070.7E6	9.743	8.130
21)	B Endrin Al...	7.664	9.520	2313249	9504193	0.042m	0.075m#
25)	B Endrin Ke...	8.833	10.971	8562494	14565598	0.108m	0.073m#
	SemiQuant Compounds - Not Calibrated on this Instrument						

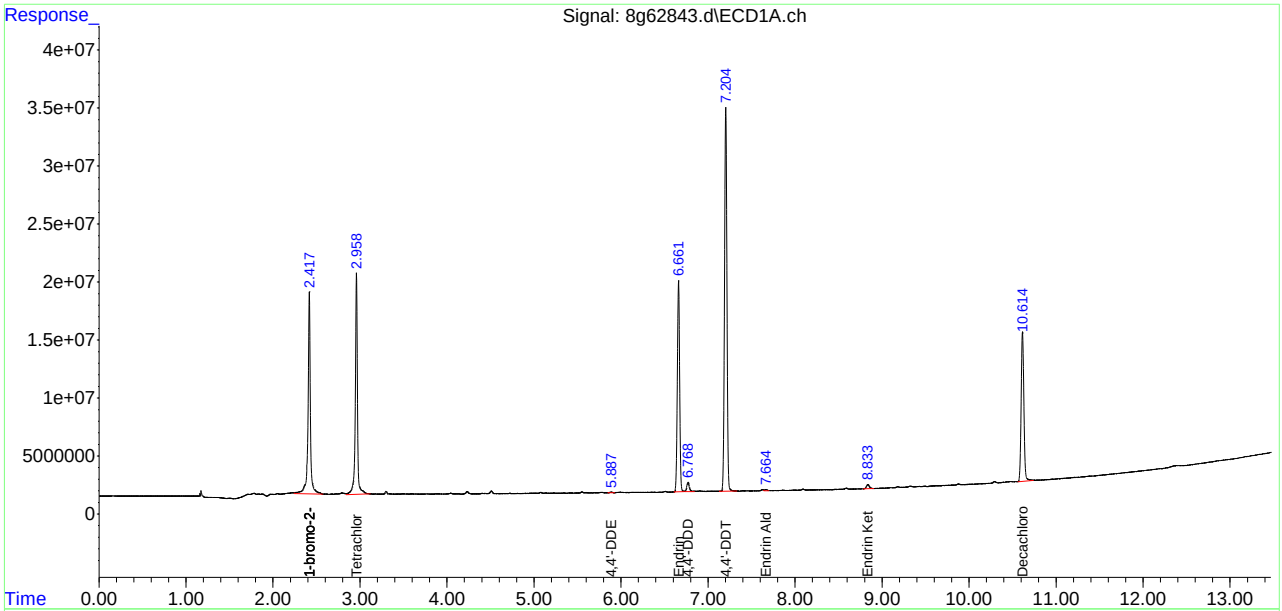
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

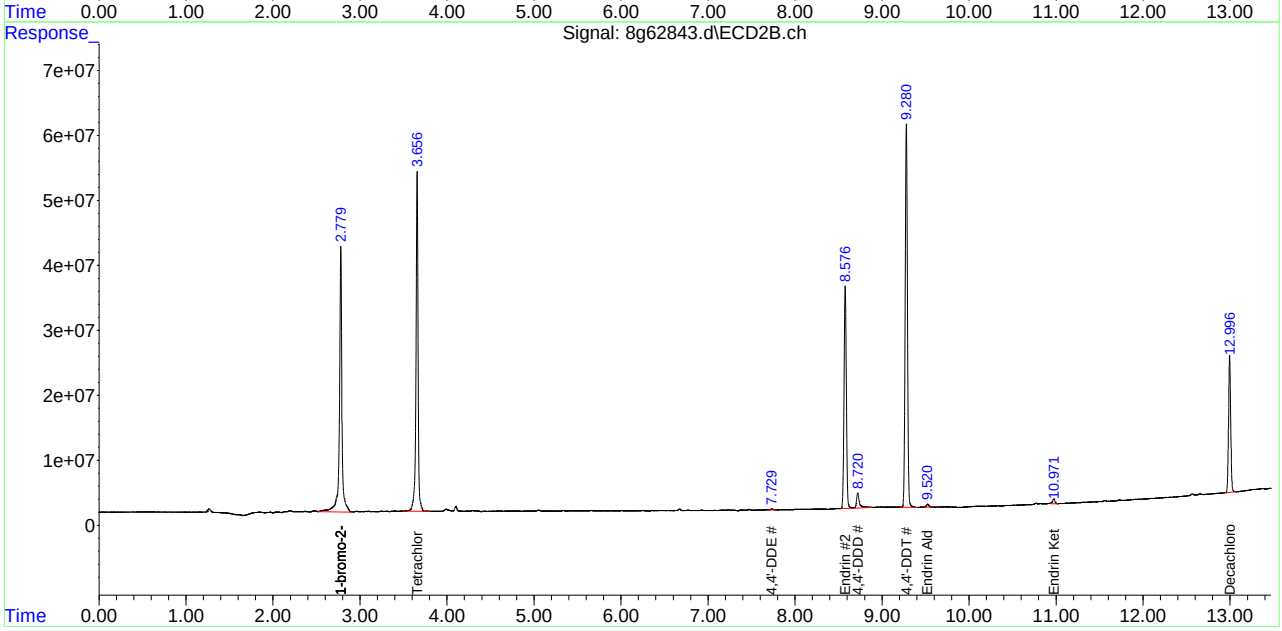
Quantitation Report (QT Reviewed)

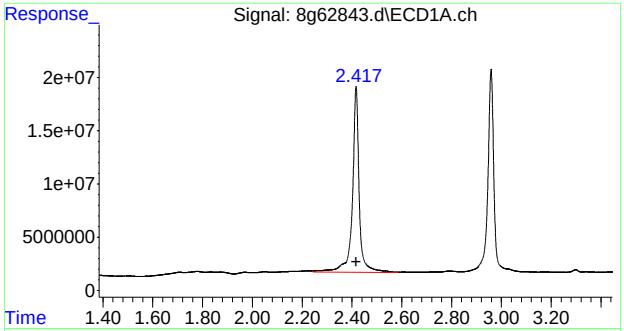
Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62843.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 2:33 pm
Operator : kyrac
Sample : ddt
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:25:31 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

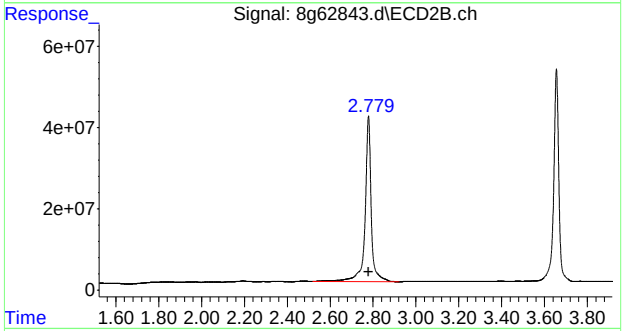






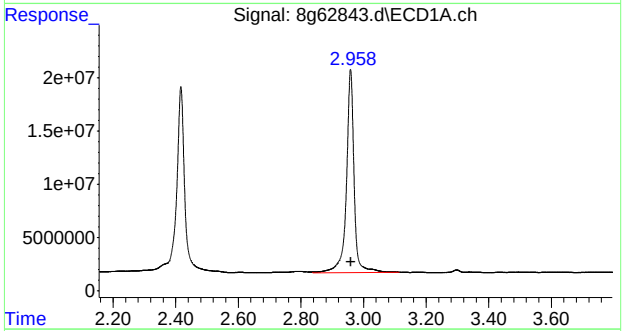
#1 1-bromo-2-nitrobenzene

R.T.: 2.417 min
Delta R.T.: 0.000 min
Response: 335145953
Conc: 5.00 PPB m



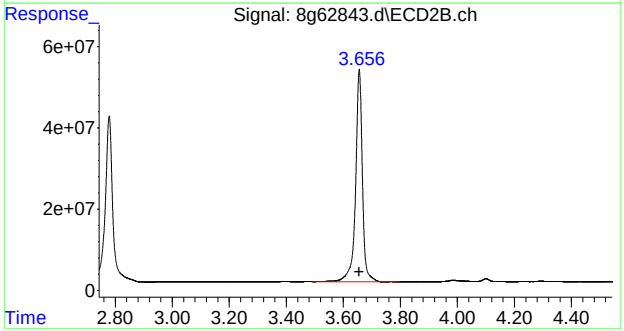
#1 1-bromo-2-nitrobenzene

R.T.: 2.779 min
Delta R.T.: 0.000 min
Response: 817752308
Conc: 5.00 PPB



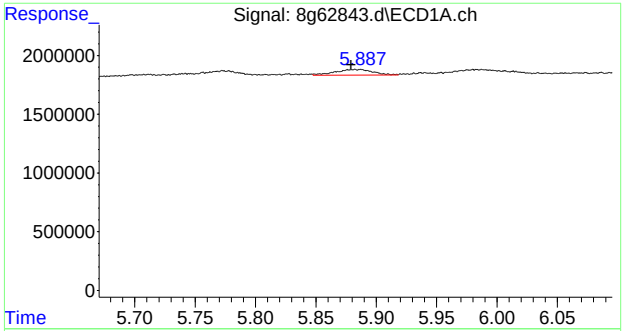
#2 Tetrachloro-m-xylene

R.T.: 2.959 min
Delta R.T.: 0.000 min
Response: 326119517
Conc: 5.04 PPB



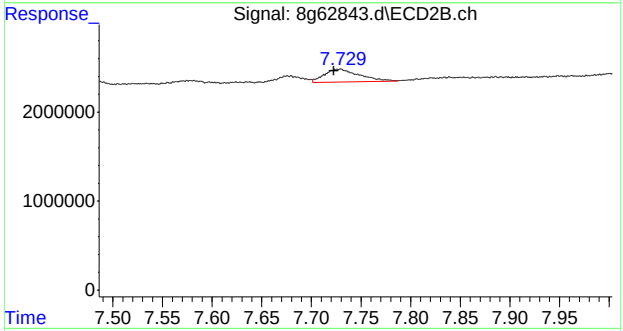
#2 Tetrachloro-m-xylene

R.T.: 3.656 min
Delta R.T.: 0.000 min
Response: 868661757
Conc: 4.34 PPB



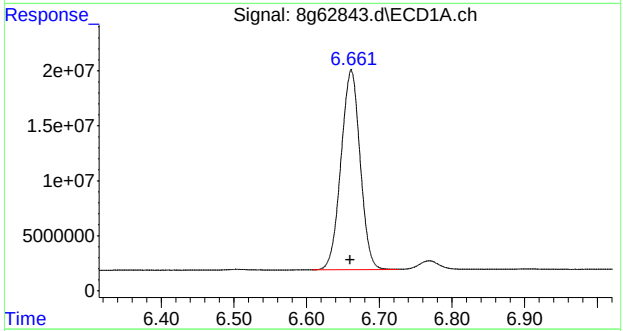
#15 4,4'-DDE

R.T.: 5.887 min
Delta R.T.: 0.008 min
Response: 1065425
Conc: 0.01 PPB m



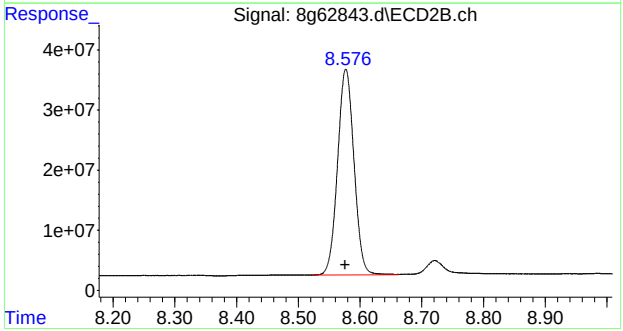
#15 4,4'-DDE

R.T.: 7.729 min
Delta R.T.: 0.007 min
Response: 3557918
Conc: 0.02 PPB m



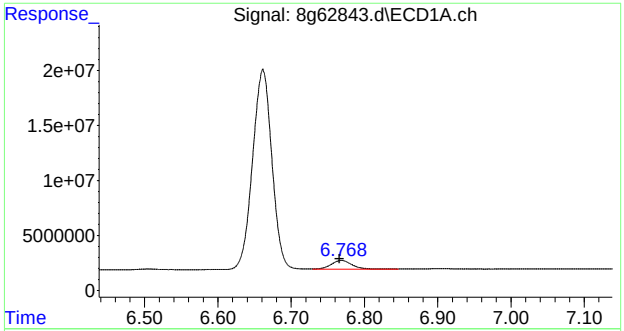
#17 Endrin

R.T.: 6.661 min
Delta R.T.: 0.001 min
Response: 333041143
Conc: 5.50 PPB m



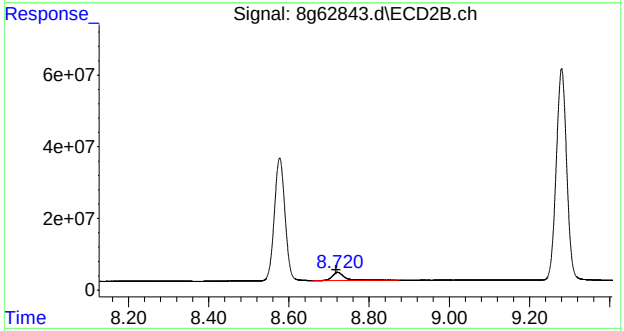
#17 Endrin

R.T.: 8.576 min
Delta R.T.: 0.000 min
Response: 631701162
Conc: 4.53 PPB m



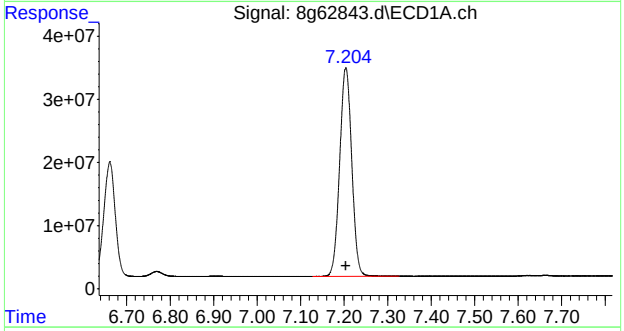
#18 4,4'-DDD

R.T.: 6.768 min
Delta R.T.: 0.002 min
Response: 15999296
Conc: 0.25 PPB m



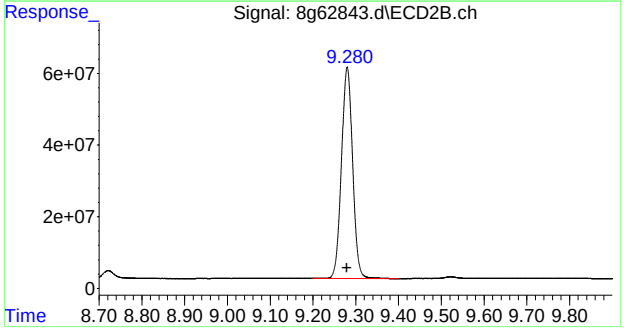
#18 4,4'-DDD

R.T.: 8.721 min
Delta R.T.: 0.003 min
Response: 51338802
Conc: 0.32 PPB



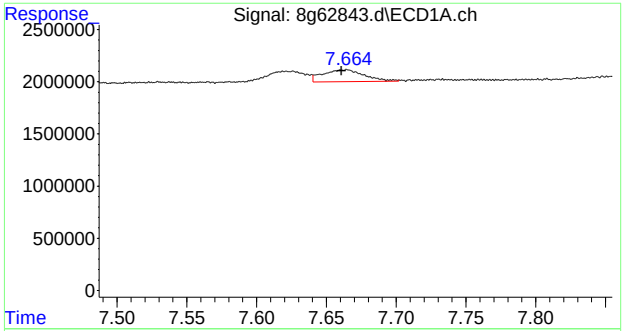
#20 4,4'-DDT

R.T.: 7.204 min
Delta R.T.: 0.000 min
Response: 636139236
Conc: 9.74 PPB



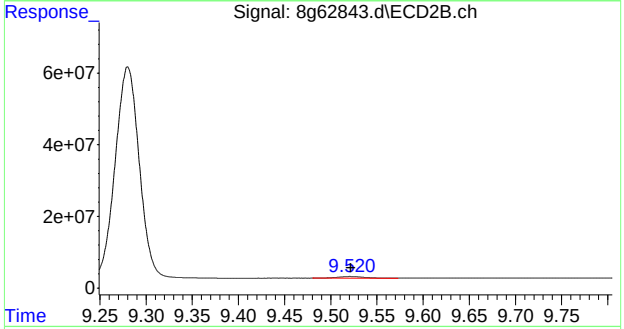
#20 4,4'-DDT

R.T.: 9.280 min
Delta R.T.: 0.000 min
Response: 1070676023
Conc: 8.13 PPB



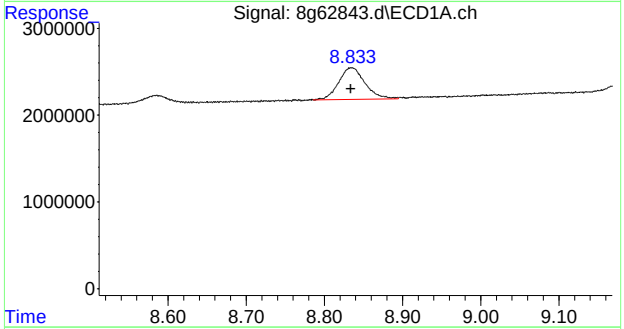
#21 Endrin Aldehyde

R.T.: 7.664 min
Delta R.T.: 0.003 min
Response: 2313249
Conc: 0.04 PPB m



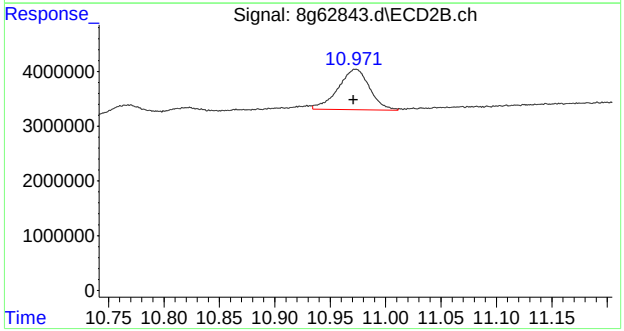
#21 Endrin Aldehyde

R.T.: 9.520 min
Delta R.T.: -0.002 min
Response: 9504193
Conc: 0.07 PPB m



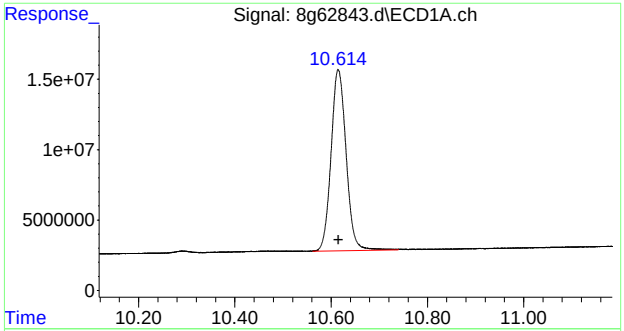
#25 Endrin Ketone

R.T.: 8.833 min
Delta R.T.: 0.000 min
Response: 8562494
Conc: 0.11 PPB m



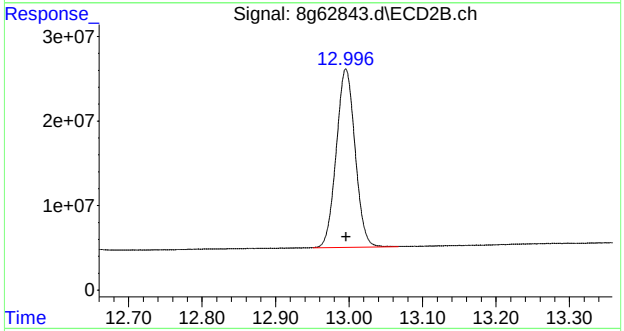
#25 Endrin Ketone

R.T.: 10.971 min
Delta R.T.: 0.000 min
Response: 14565598
Conc: 0.07 PPB m



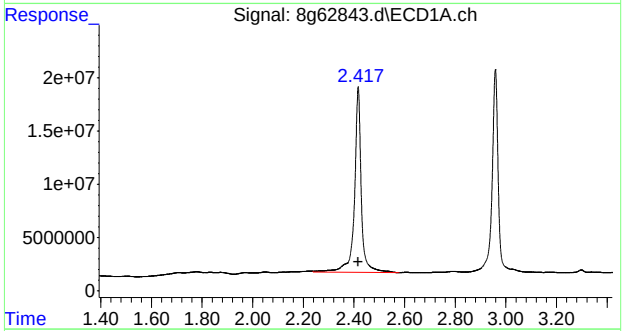
#26 Decachlorobiphenyl

R.T.: 10.614 min
Delta R.T.: -0.001 min
Response: 279057164
Conc: 4.49 PPB m



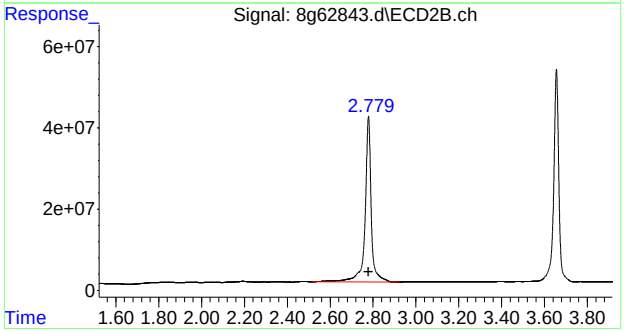
#26 Decachlorobiphenyl

R.T.: 12.996 min
Delta R.T.: 0.000 min
Response: 375811623
Conc: 3.32 PPB m



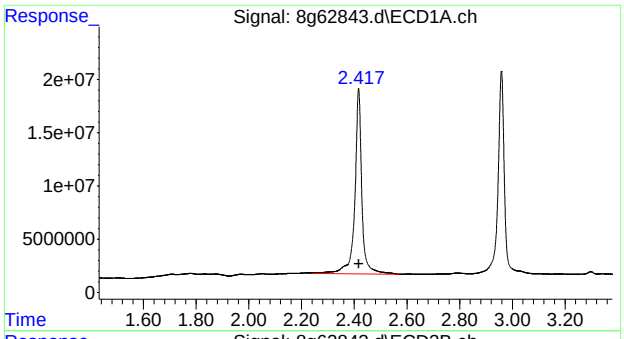
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.417 min
Delta R.T.: 0.000 min
Response: 328179586
Conc: 5.00 PPB m



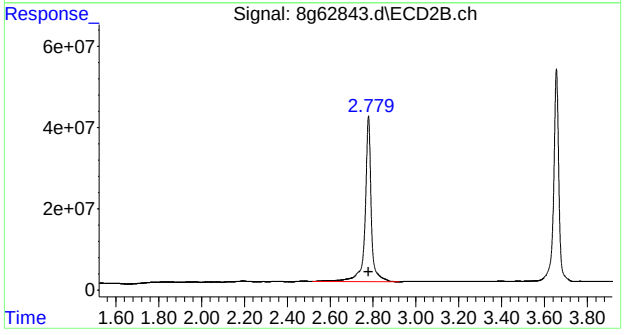
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.779 min
Delta R.T.: 0.000 min
Response: 817752308
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.417 min
Delta R.T.: 0.000 min
Response: 325392577
Conc: 5.00 PPB m



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.779 min
Delta R.T.: 0.000 min
Response: 817752308
Conc: 5.00 PPB

Manual Integration Approval Summary

Sample Number: G8G2704-DDT
Lab FileID: 8G62843.D
Injection Time: 12/04/24 14:33
Method: SW846 8081B
Analyst approved: 12/05/24 01:09 Christopher Changho
Supervisor approved: 12/05/24 15:03 Gwendolyn Burns

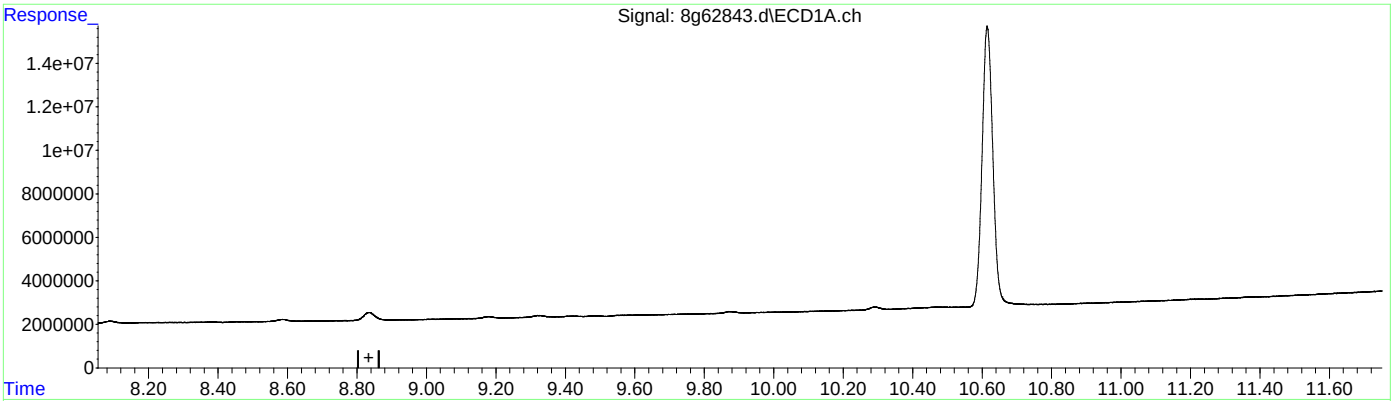
Parameter	CAS	Sig#	R.T. (min.)	Reason
1-Bromo-2-nitrobenzene	577-19-5	1	2.42	Poorly defined baseline
4,4'-DDE	72-55-9	1	5.89	Poorly defined baseline
Endrin	72-20-8	1	6.66	Poorly defined baseline
4,4'-DDD	72-54-8	1	6.77	Poorly defined baseline
Endrin aldehyde	7421-93-4	1	7.66	Poorly defined baseline
4,4'-DDE	72-55-9	2	7.73	Poorly defined baseline
Endrin	72-20-8	2	8.58	Poorly defined baseline
Endrin ketone	53494-70-5	1	8.83	Poorly defined baseline
Endrin aldehyde	7421-93-4	2	9.52	Poorly defined baseline
Decachlorobiphenyl	2051-24-3	1	10.61	Poorly defined baseline
Endrin ketone	53494-70-5	2	10.97	Poorly defined baseline
Decachlorobiphenyl	2051-24-3	2	13.00	Poorly defined baseline

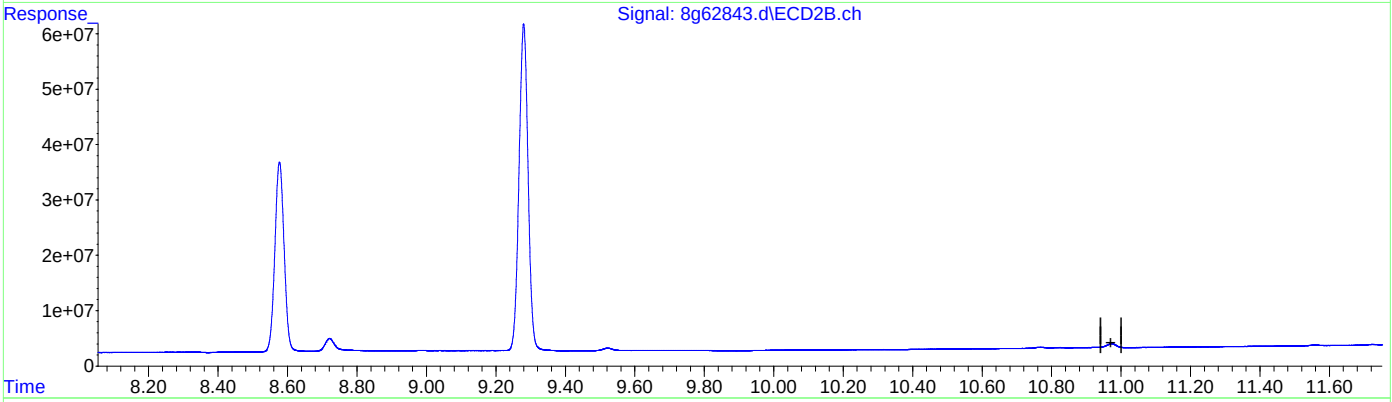
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62843.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 2:33 pm
Operator : kyrac
Sample : ddt
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:06 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(25) Endrin Ketone (B)

0.000min 0.000 PPB

response 0

(25) Endrin Ketone #2 (B)

0.000min 0.000 PPB

response 0

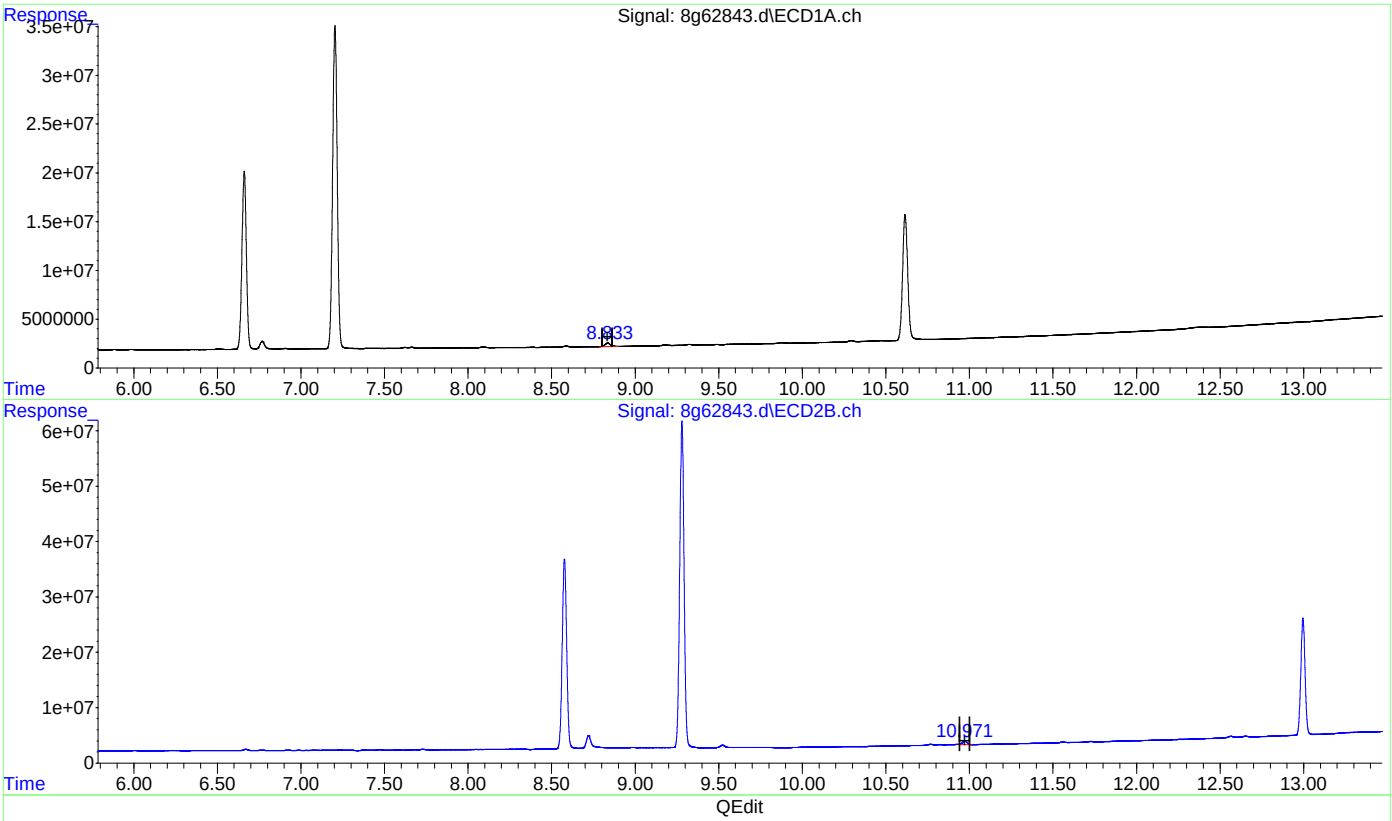
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62843.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 2:33 pm
Operator : kyrac
Sample : ddt
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:06 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(25) Endrin Ketone (B)

8.833min 0.099 PPB m

response 8562494

(25) Endrin Ketone #2 (B)

10.971min 0.073 PPB m

response 14565598

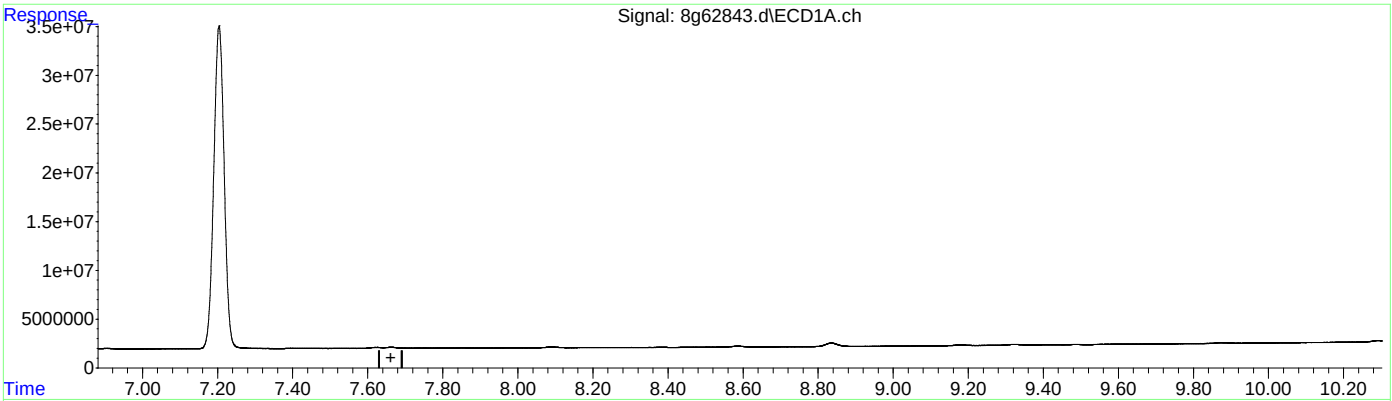
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:23:43 2024

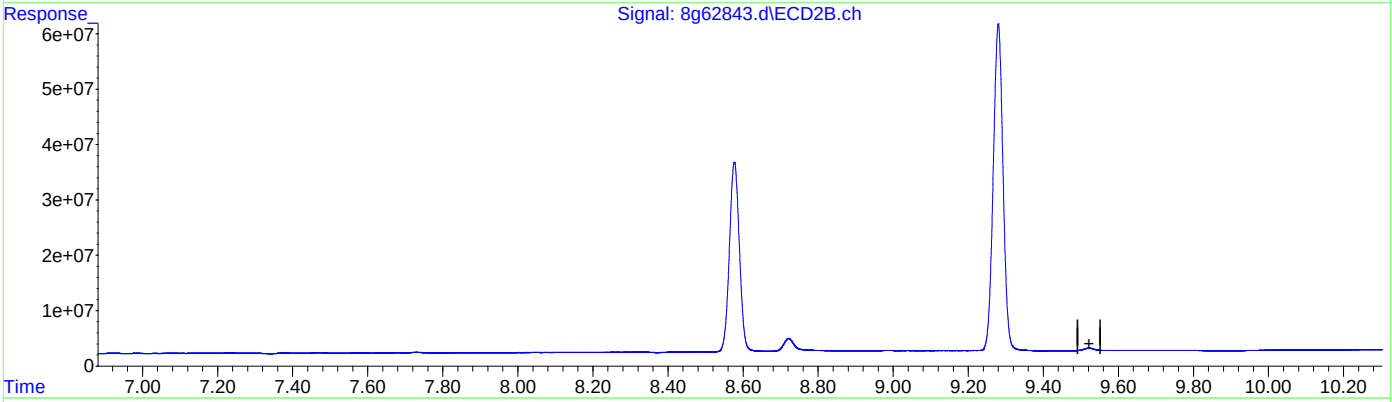
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62843.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 2:33 pm
Operator : kyrac
Sample : ddt
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:06 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(21) Endrin Aldehyde (B)

0.000min 0.000 PPB

response 0

(21) Endrin Aldehyde #2 (B)

0.000min 0.000 PPB

response 0

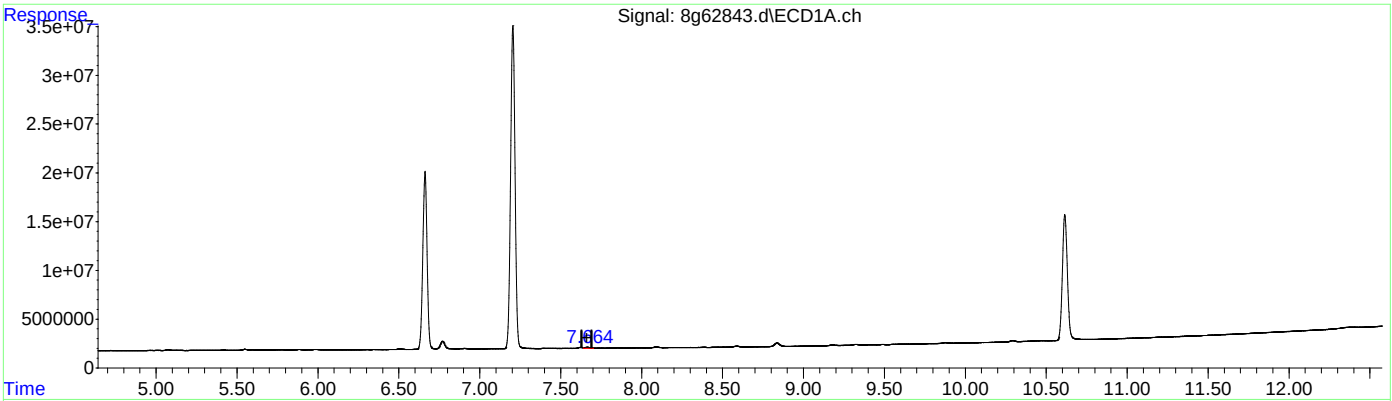
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:23:48 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62843.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 2:33 pm
Operator : kyrac
Sample : ddt
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:06 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(21) Endrin Aldehyde (B)

7.664min 0.038 PPB m

response 2313249

(21) Endrin Aldehyde #2 (B)

9.520min 0.075 PPB m

response 9504193

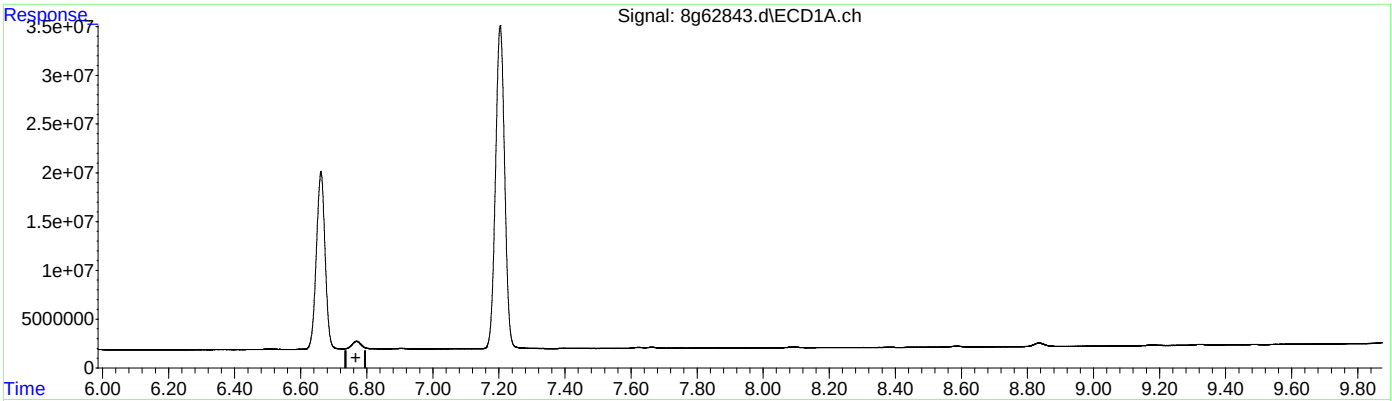
(+) = Expected Retention Time

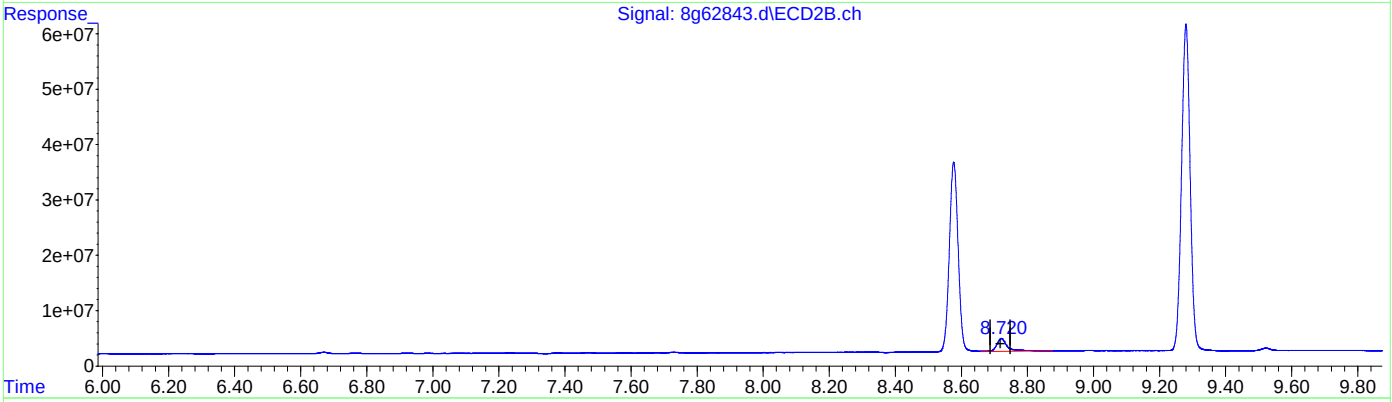
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62843.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 2:33 pm
Operator : kyrac
Sample : ddt
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:06 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(18) 4,4'-DDD (A)

0.000min 0.000 PPB

response 0

(18) 4,4'-DDD #2 (A)

8.721min 0.322 PPB

response 51338802

(+) = Expected Retention Time

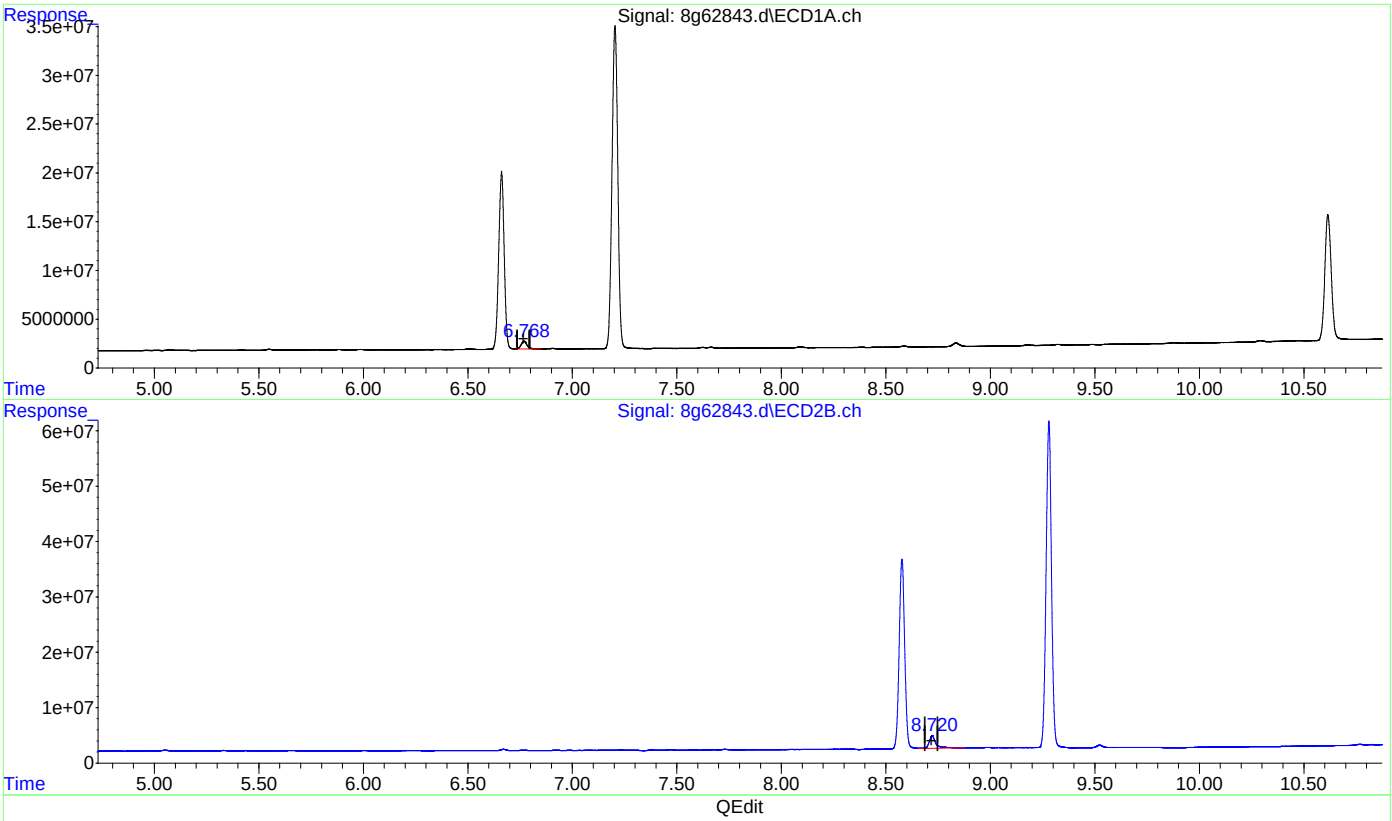
8PSTLVI2596a.M Thu Dec 05 02:24:02 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62843.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 2:33 pm
Operator : kyrac
Sample : ddt
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:06 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(18) 4,4'-DDD (A)

6.768min 0.227 PPB m

response 15999296

(18) 4,4'-DDD #2 (A)

8.721min 0.322 PPB

response 51338802

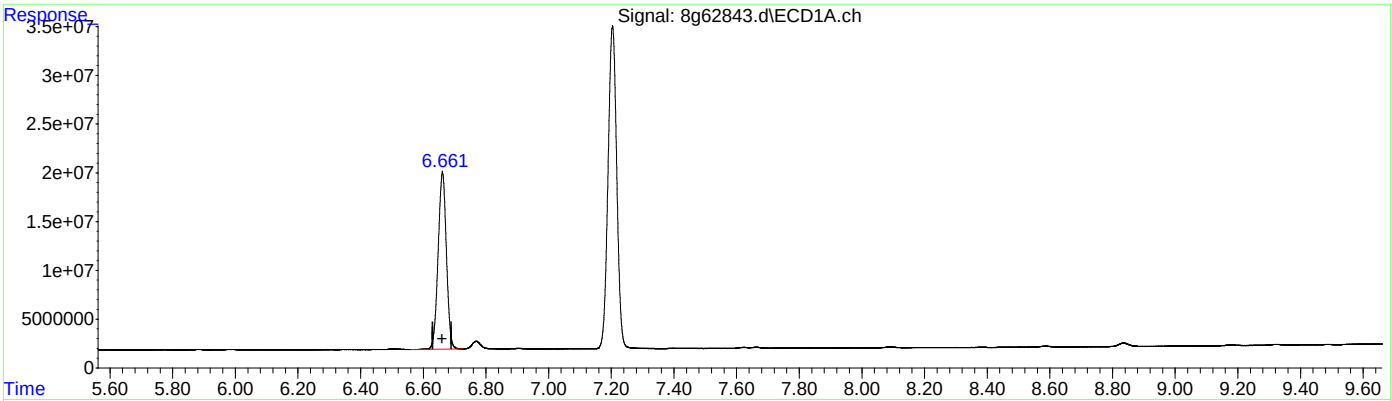
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62843.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 2:33 pm
Operator : kyrac
Sample : ddt
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:06 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(17) Endrin (MA)

6.661min 5.027 PPB

response 331501530

(17) Endrin #2 (MA)

8.577min 4.577 PPB

response 638364897

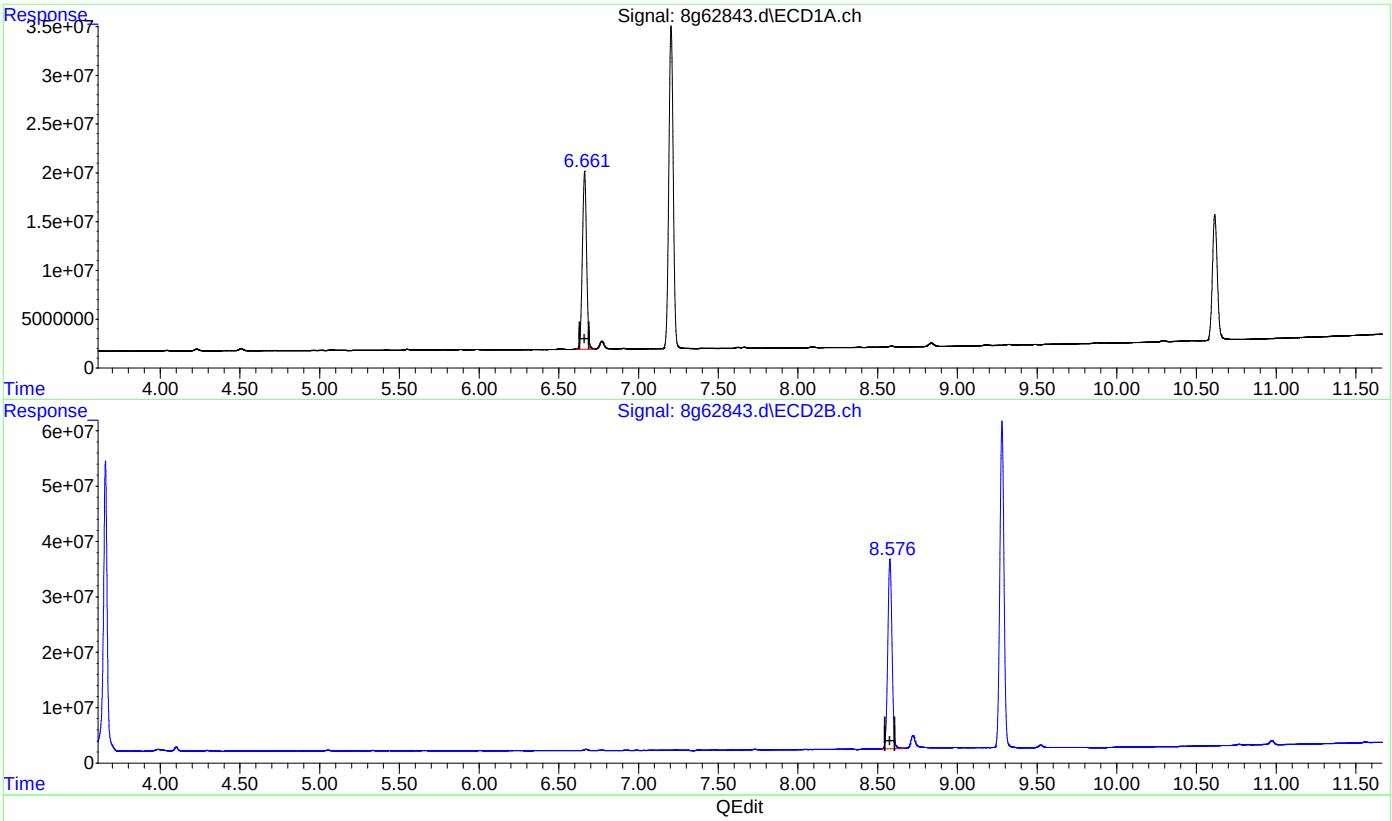
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:24:13 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62843.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 2:33 pm
Operator : kyrac
Sample : ddt
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:06 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(17) Endrin (MA)

6.661min 5.050 PPB m

response 333041143

(17) Endrin #2 (MA)

8.576min 4.529 PPB m

response 631701162

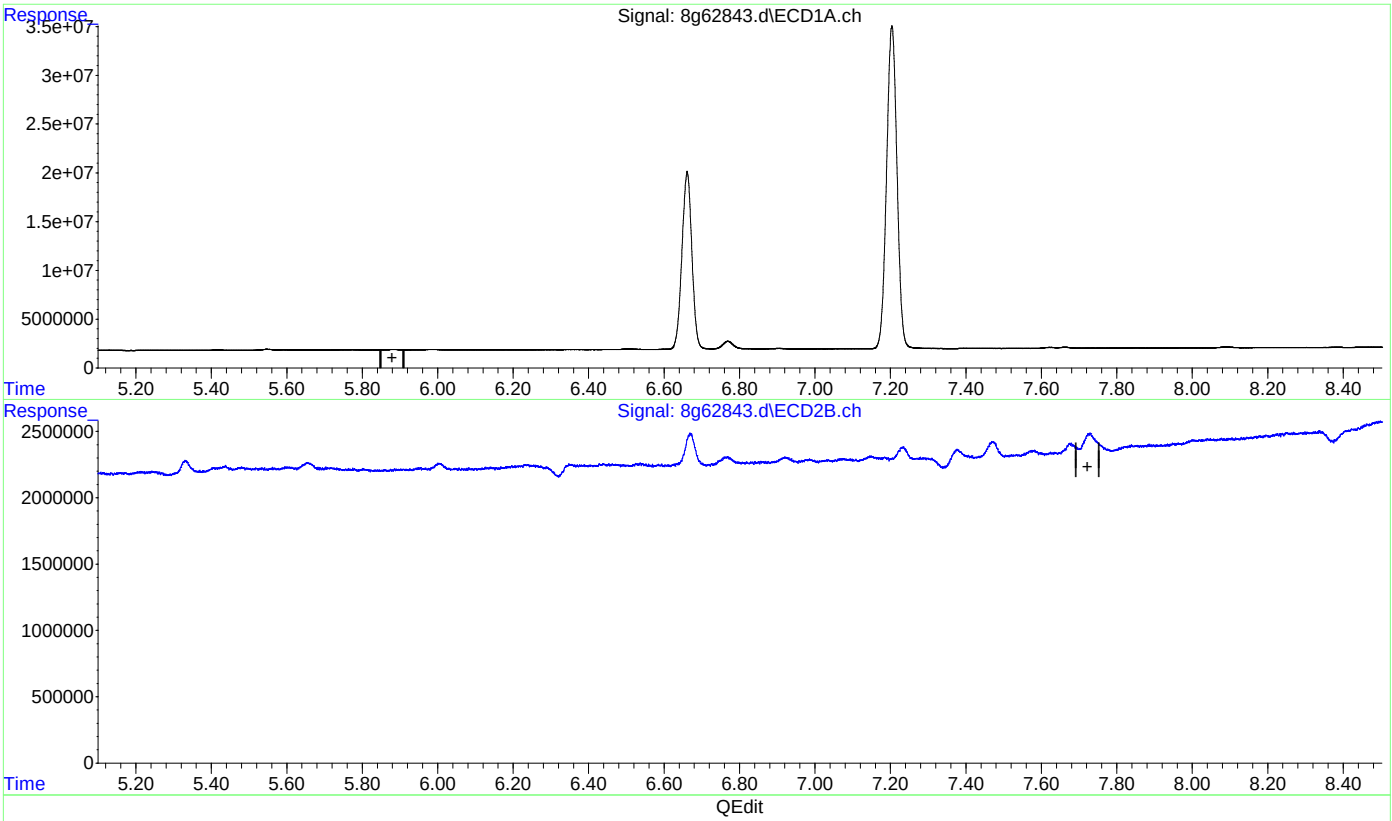
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:24:23 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62843.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 2:33 pm
Operator : kyrac
Sample : ddt
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:06 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(15) 4,4'-DDE (B)

0.000min 0.000 PPB

response 0

(15) 4,4'-DDE #2 (B)

0.000min 0.000 PPB

response 0

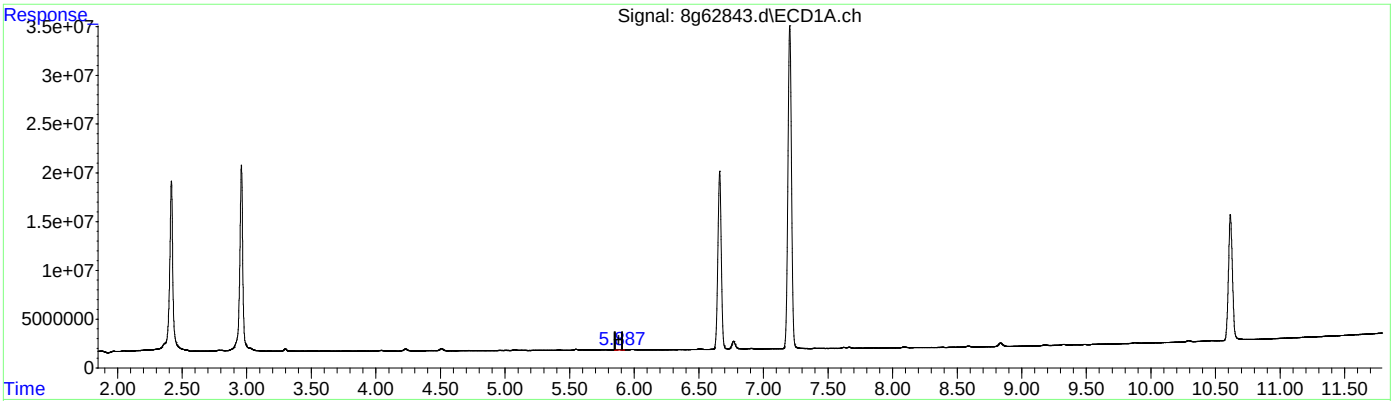
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:24:27 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62843.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 2:33 pm
Operator : kyrac
Sample : ddt
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:06 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(15) 4,4'-DDE (B)

5.887min 0.013 PPB m

response 1065425

(15) 4,4'-DDE #2 (B)

7.729min 0.020 PPB m

response 3557918

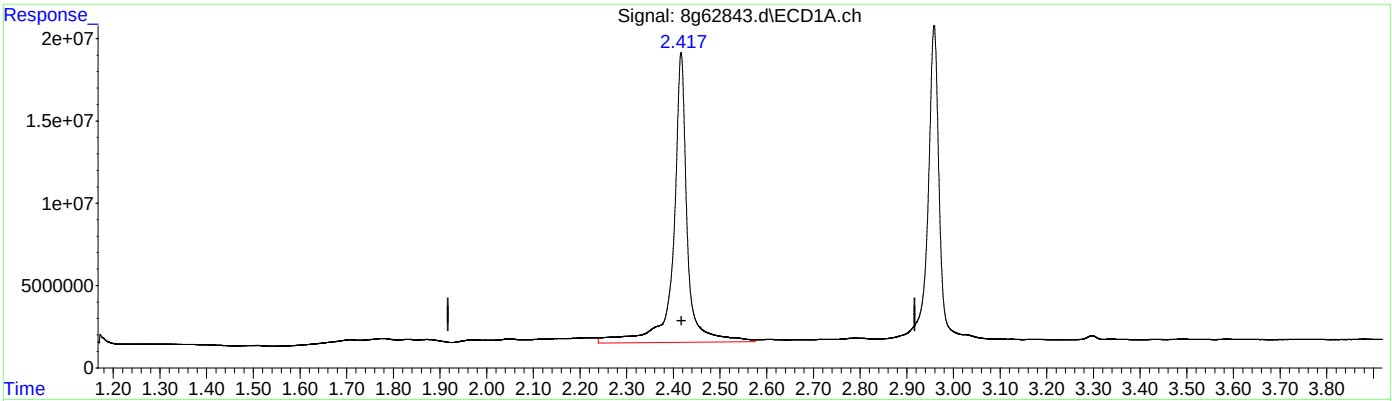
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:24:42 2024

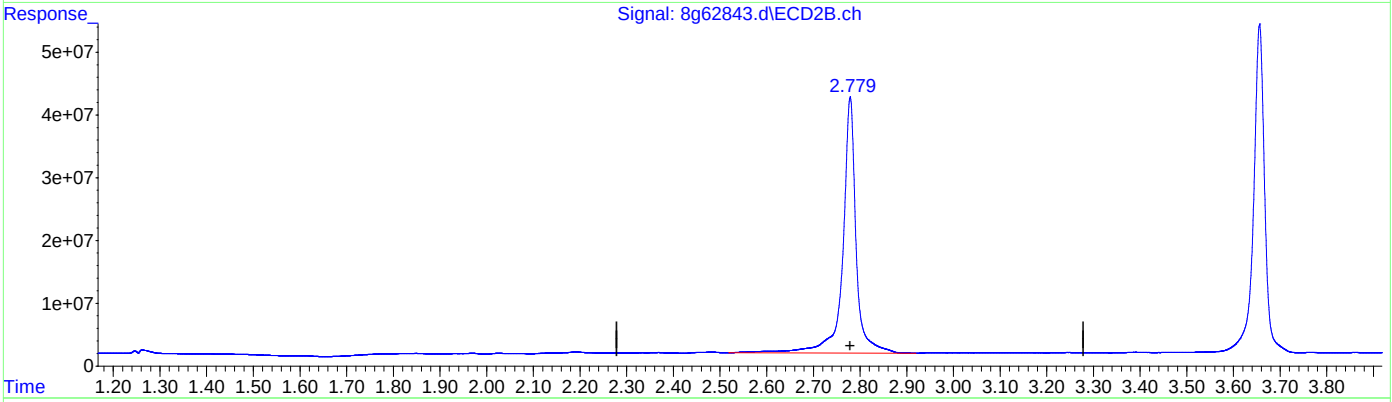
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62843.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 2:33 pm
Operator : kyrac
Sample : ddt
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:06 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(1) 1-bromo-2-nitrobenzene (I)

2.417min 5.000 PPB

response 365085211

(1) 1-bromo-2-nitrobenzene #2 (I)

2.779min 5.000 PPB

response 817752308

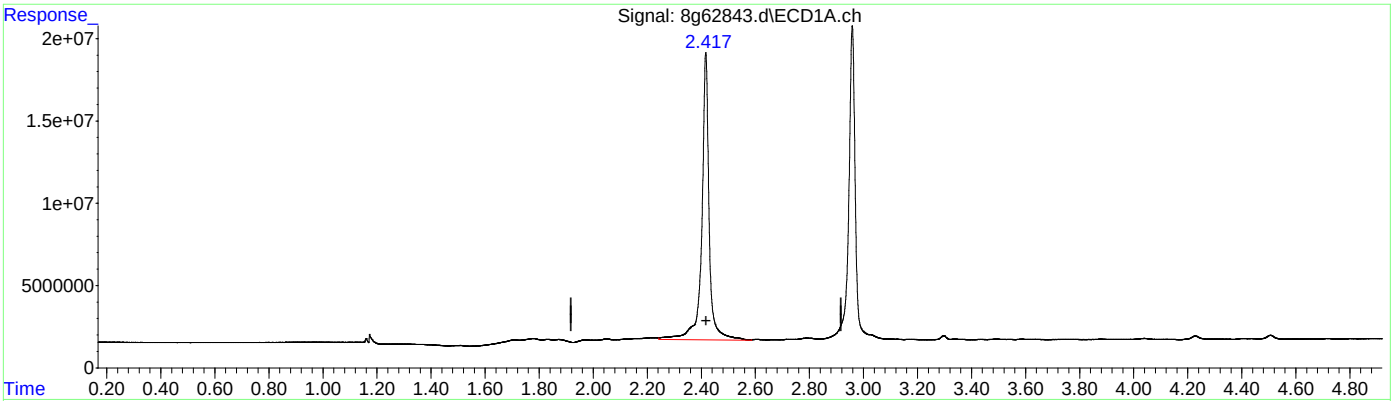
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:24:48 2024

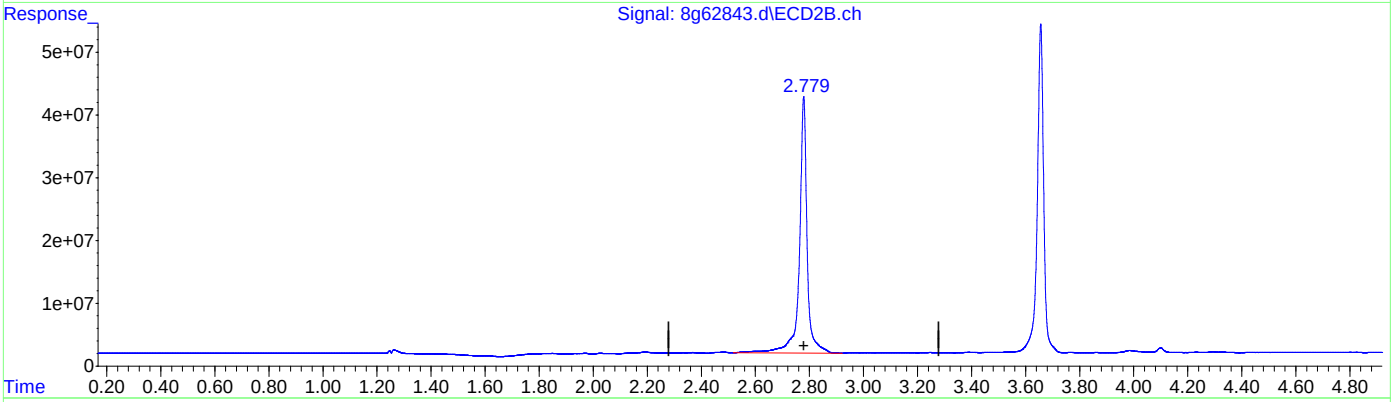
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62843.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 2:33 pm
Operator : kyrac
Sample : ddt
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:06 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(1) 1-bromo-2-nitrobenzene (I)

2.417min 5.000 PPB m

response 335145953

(1) 1-bromo-2-nitrobenzene #2 (I)

2.779min 5.000 PPB

response 817752308

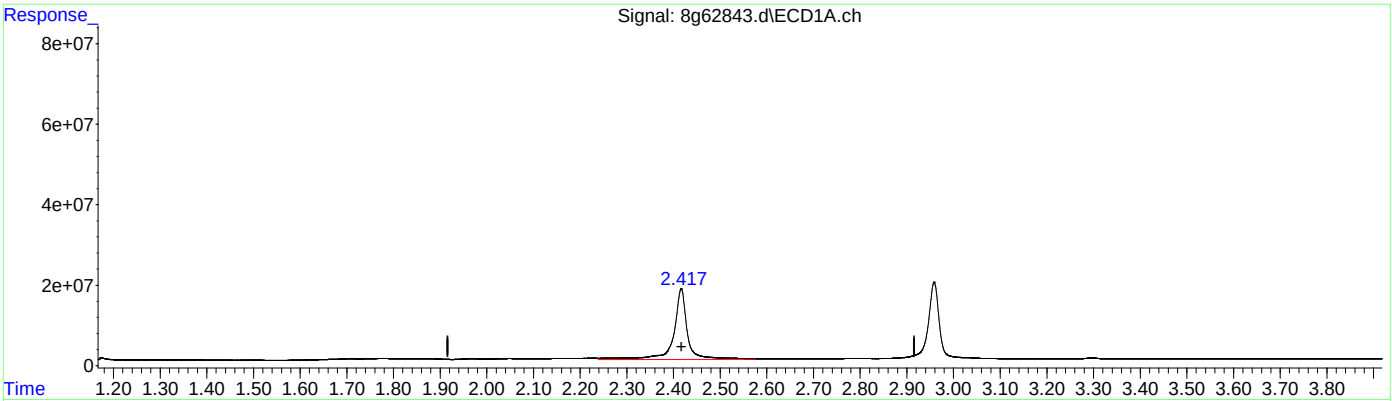
(+) = Expected Retention Time

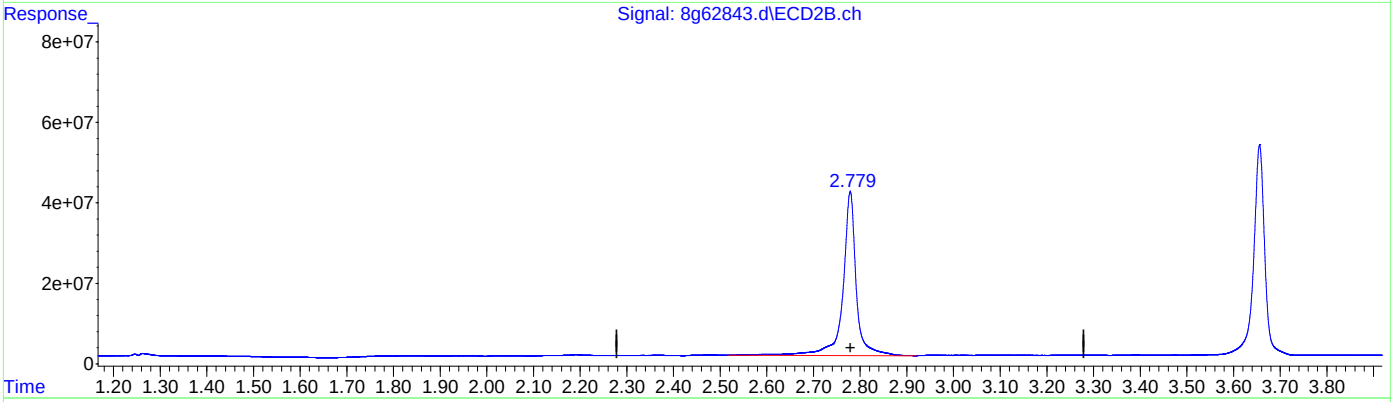
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62843.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 2:33 pm
Operator : kyrac
Sample : ddt
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:06 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(27) 1-bromo-2-nitrobenzeneA (I)

2.417min 5.000 PPB

response 365085211

(27) 1-bromo-2-nitrobenzeneA #2 (I)

2.779min 5.000 PPB

response 817752308

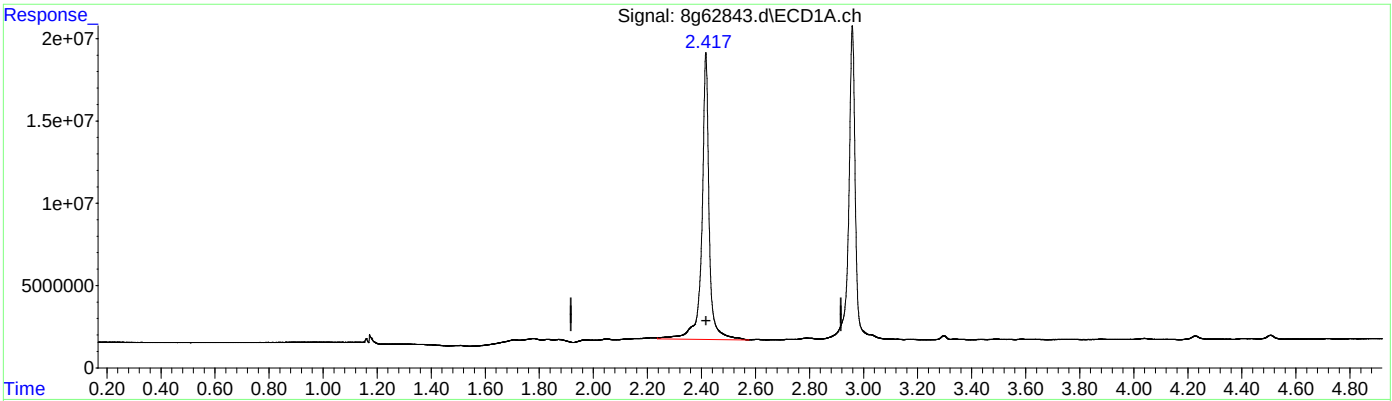
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:24:58 2024

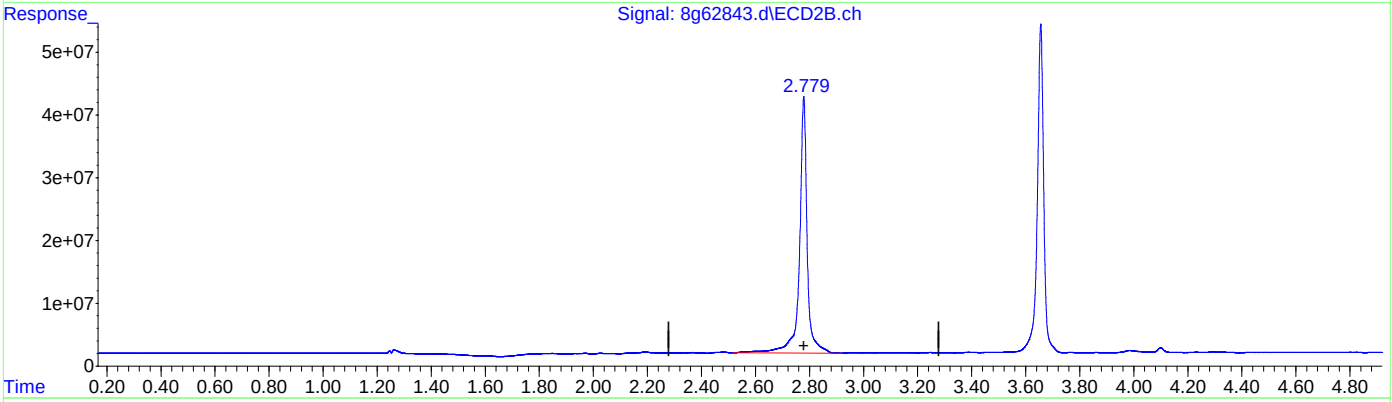
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62843.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 2:33 pm
Operator : kyrac
Sample : ddt
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:06 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(27) 1-bromo-2-nitrobenzeneA (I)

2.417min 5.000 PPB m

response 328179586

(27) 1-bromo-2-nitrobenzeneA #2 (I)

2.779min 5.000 PPB

response 817752308

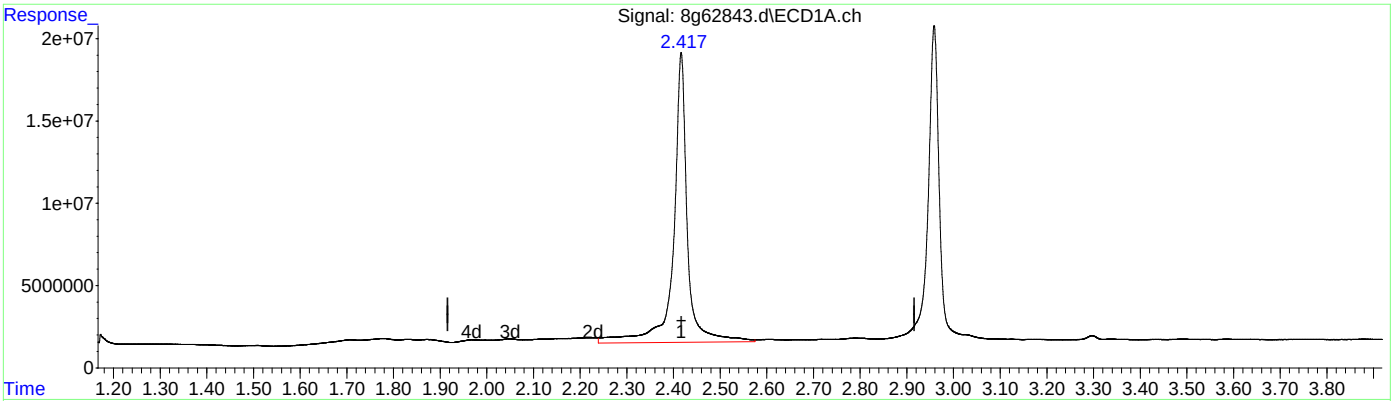
(+) = Expected Retention Time

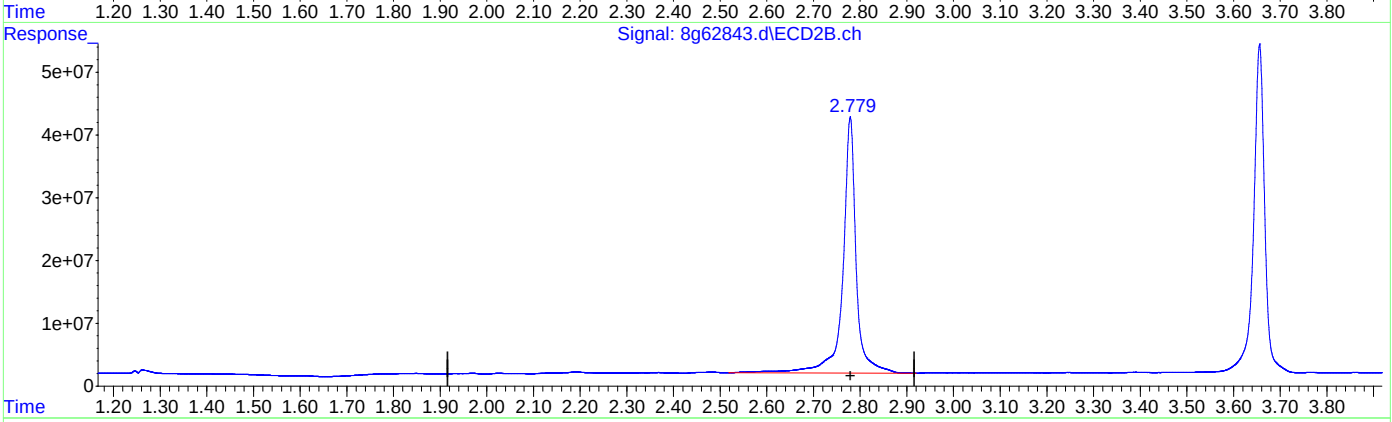
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62843.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 2:33 pm
Operator : kyrac
Sample : ddt
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:06 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(33) 1-bromo-2-nitrobenzeneB (I)

2.417min 5.000 PPB

response 365085211

(33) 1-bromo-2-nitrobenzeneB #2 (I)

2.779min 5.000 PPB

response 817752308

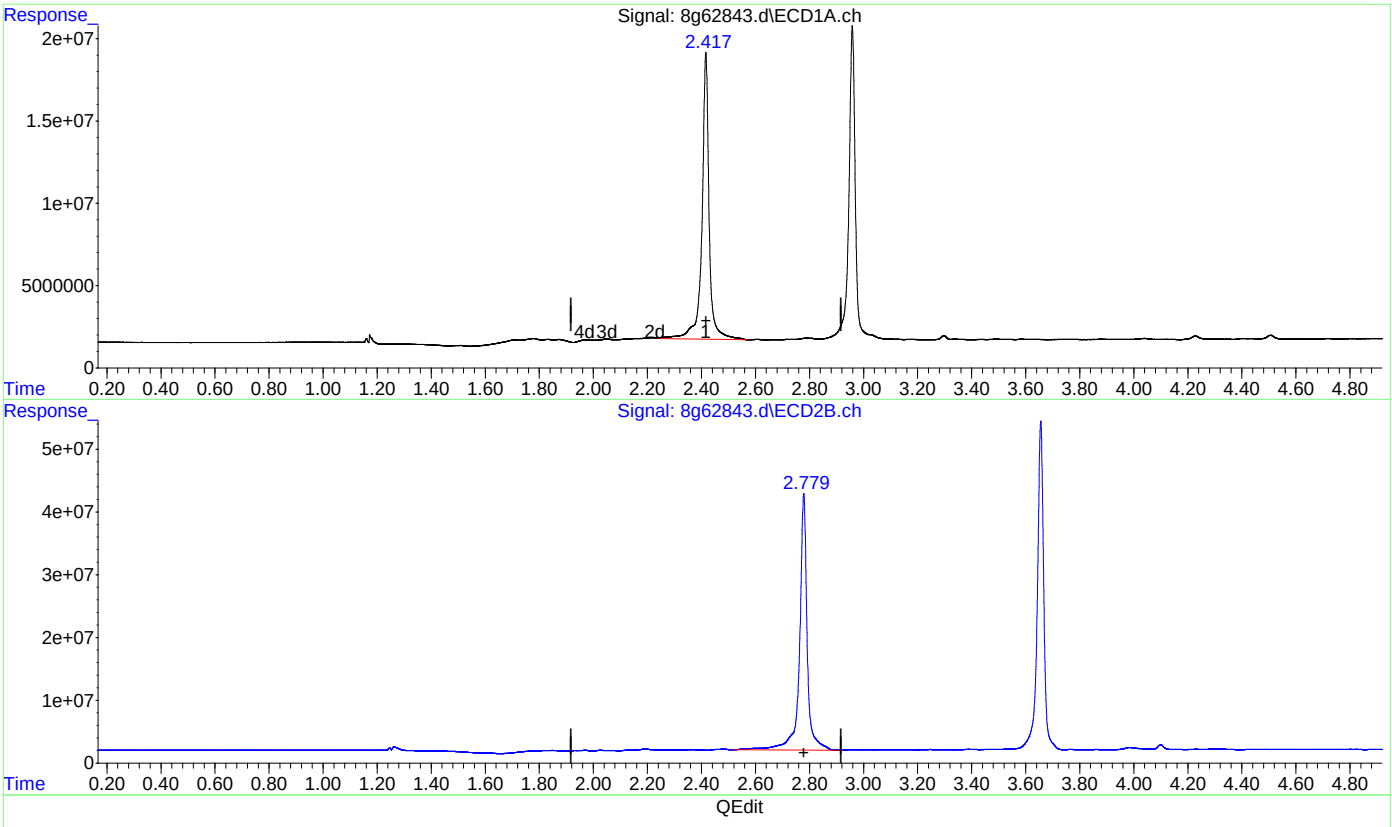
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:25:09 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62843.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 2:33 pm
Operator : kyrac
Sample : ddt
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:06 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(33) 1-bromo-2-nitrobenzeneB (I)

2.417min 5.000 PPB m

response 325392577

(33) 1-bromo-2-nitrobenzeneB #2 (I)

2.779min 5.000 PPB

response 817752308

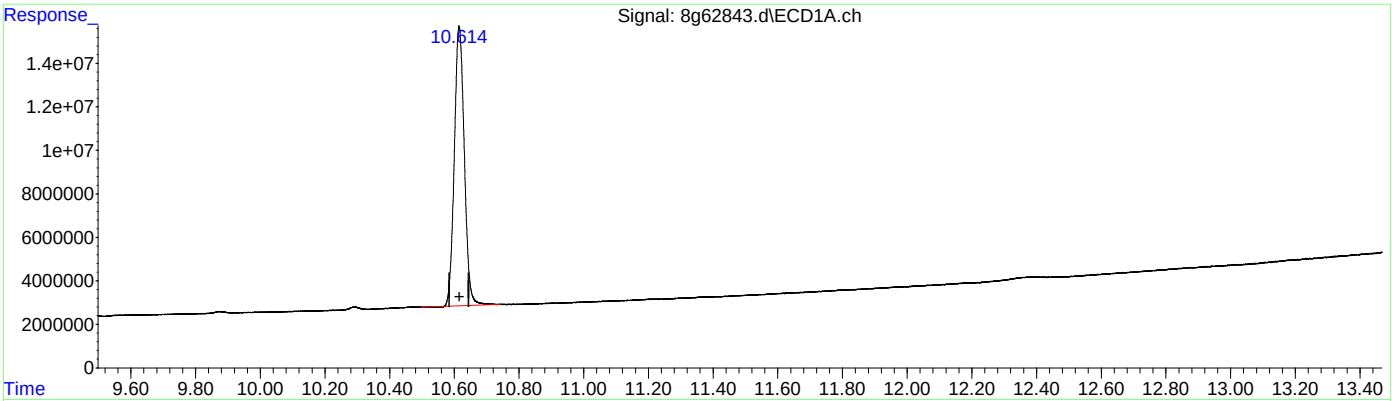
(+) = Expected Retention Time

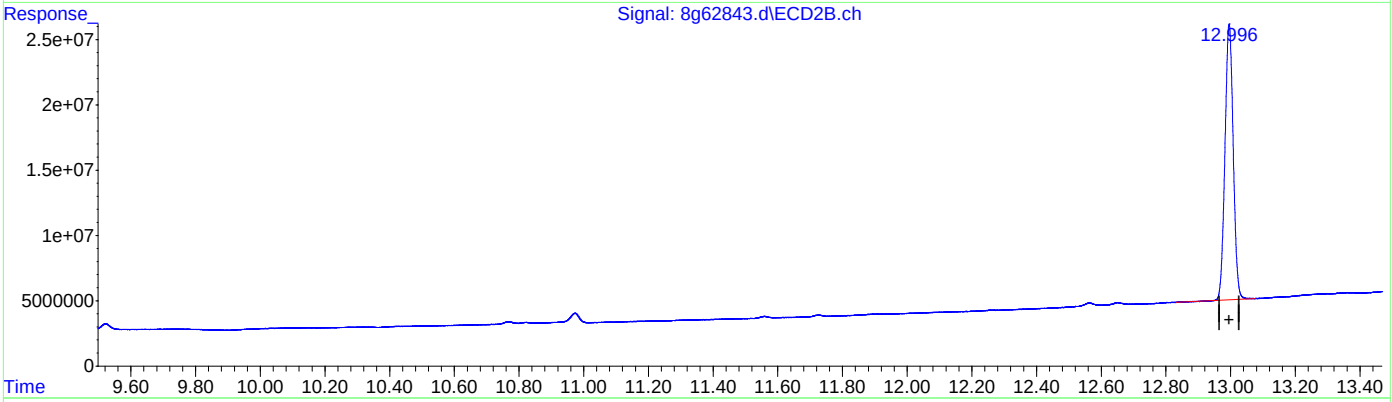
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62843.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 2:33 pm
Operator : kyrac
Sample : ddt
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:06 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(26) Decachlorobiphenyl (SA)

10.615min 4.424 PPB

response 275192227

(26) Decachlorobiphenyl #2 (SA)

12.996min 3.288 PPB

response 372632970

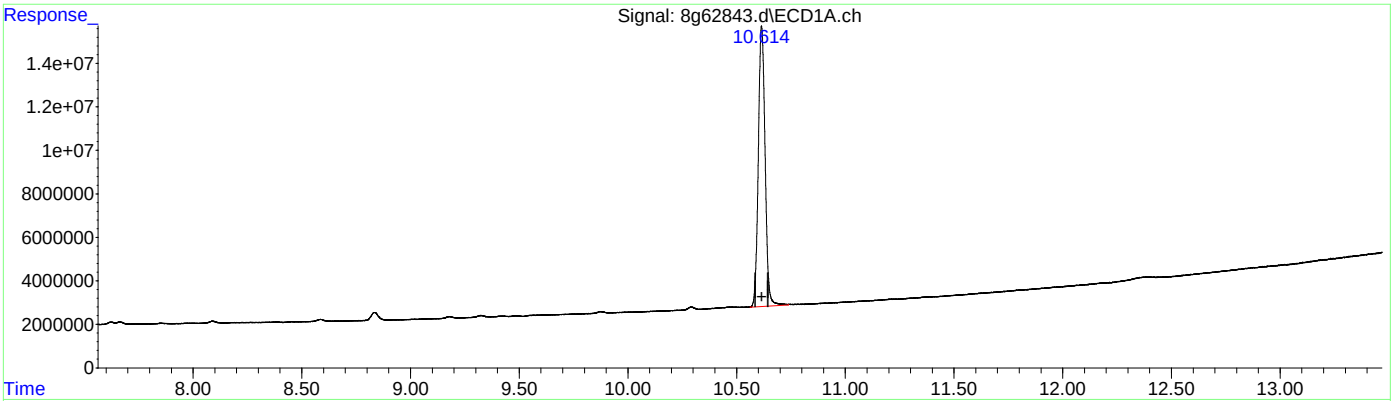
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:25:22 2024

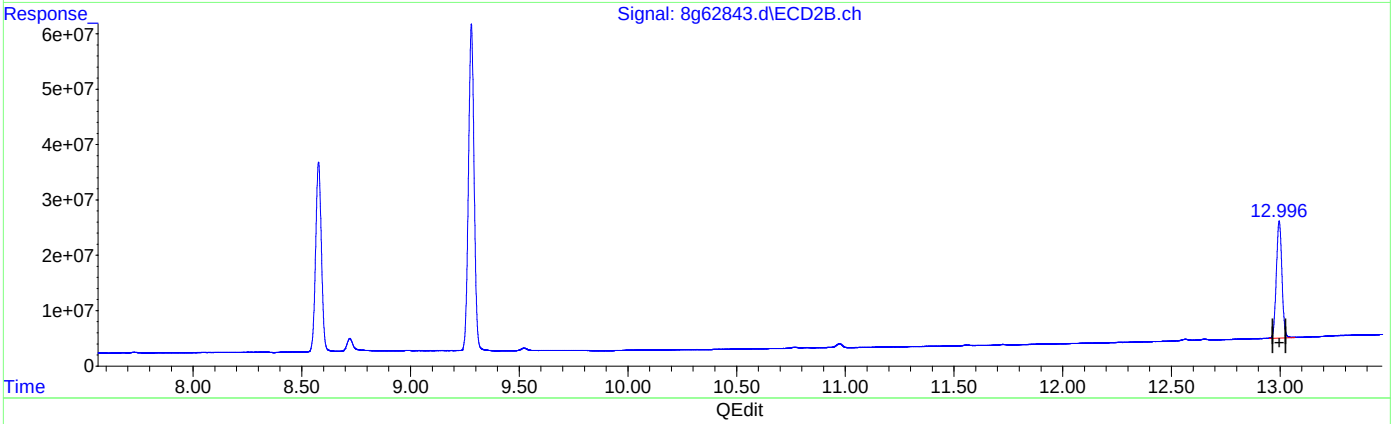
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62843.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 2:33 pm
Operator : kyrac
Sample : ddt
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:06 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(26) Decachlorobiphenyl (SA)

10.614min 4.486 PPB m

response 279057164

(26) Decachlorobiphenyl #2 (SA)

12.996min 3.316 PPB m

response 375811623

(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:25:32 2024

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 09/24/24 10:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60342.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 11:35 am
Operator : rebeccak
Sample : ic2596-0.1 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 21:42:01 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB	
		Internal Standards							
1)	I	1-bromo-2...	2.420	2.793	267.0E6	642.4E6	5.000	5.000	
27)	I	1-bromo-2...	2.420	2.793	267.0E6	642.4E6	5.000	5.000	
33)	I	1-bromo-2...	2.420	2.793	267.0E6	642.4E6	5.000	5.000	
		System Monitoring Compounds							
2)	SAB	Tetrachlo...	2.971	3.682	5214801	19501606	0.090	0.116	#
		Spiked Amount	40.000	Range	30 - 150	Recovery	=	0.22%#	0.29%#
26)	SA	Decachlor...	10.674	13.072	6200271	10783316	0.108	0.112	
		Spiked Amount	40.000			Recovery	=	0.27%	0.28%
		Target Compounds							
3)		hexachlor...	3.317	4.262	7712690	21144753	0.077	0.110	#
4)	A	alpha-BHC	3.468	4.429	5599956	21588963	0.051	0.072	#
5)	MA	gamma-BHC	3.787	4.917	5799488	19274995	0.057	0.081	#
6)	MA	Heptachlor	4.323	5.587	6966211	17473777	0.071	0.086	
7)	B	beta-BHC	3.862	4.996	3306368	11374611	0.067	0.089	#
8)	B	delta-BHC	4.066	5.448	5889102	18788481	0.054	0.076	#
9)	MB	Aldrin	4.692	6.100	5712334	17732812	0.063	0.082	#
11)	B	Heptachlo...	5.470	6.993	5918754	17075899	0.064	0.082	#
12)	B	gamma-Chl...	5.641	7.300	7282158	16118115	0.081	0.079	
13)	B	alpha-Chl...	5.826	7.542	5525525	16548361	0.062	0.082	#
14)	A	Endosulfan I	6.027	7.655	5481643	15014847	0.066	0.080	
15)	B	4,4'-DDE	5.927	7.792	5753312	15870692	0.061	0.077	#
16)	MA	Dieldrin	6.370	8.118	6266766	16483771	0.073	0.073	
17)	MA	Endrin	6.720	8.654	4273716	11243457	0.070	0.083	
18)	A	4,4'-DDD	6.820	8.790	5291556	15714384	0.049	0.063	#
19)	B	Endosulfa...	7.060	9.013	5401419	13883331	0.067	0.078	
20)	MA	4,4'-DDT	7.260	9.356	4777329	10354115	0.068	0.078	
21)	B	Endrin Al...	7.724	9.602	4953167	12963399	0.072	0.089	
22)	B	Endosulfa...	8.443	10.086	5271223	12861966	0.069	0.078	
23)	A	Methoxychlor	8.057	10.585	3201299	5829128	0.081m	0.092m	
24)		Mirex	8.260	11.022f	5085281	7716912	0.089	0.078m	
25)	B	Endrin Ke...	8.902	11.052	7146066	14498339	0.076	0.066m	

SemiQuant Compounds - Not Calibrated on this Instrument

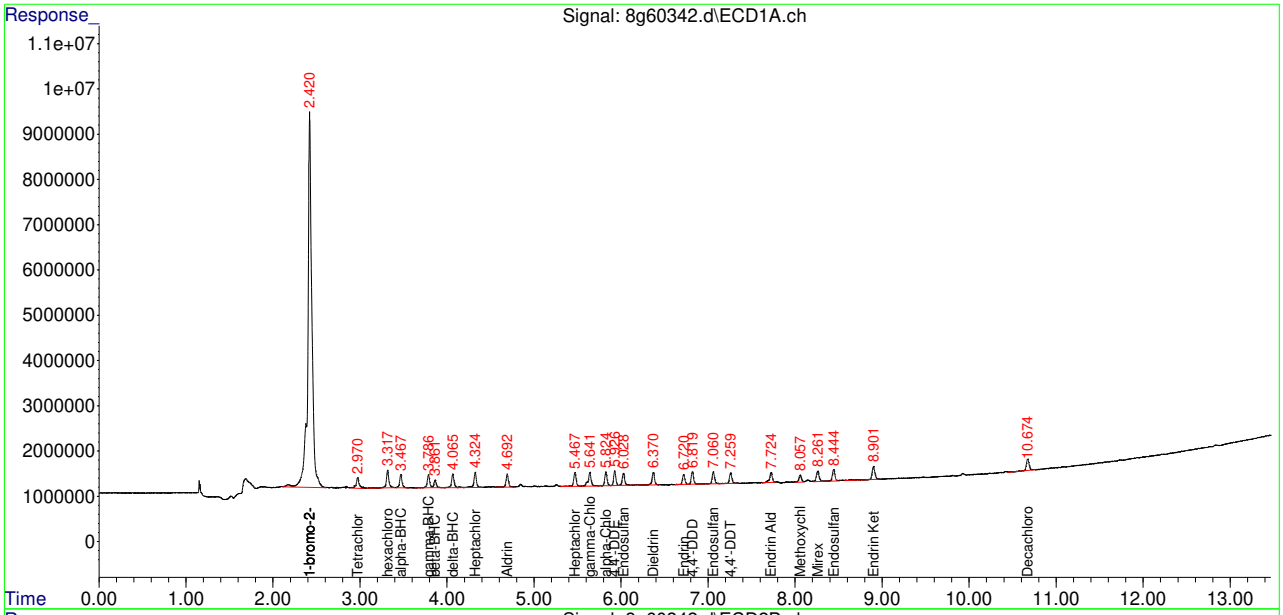
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

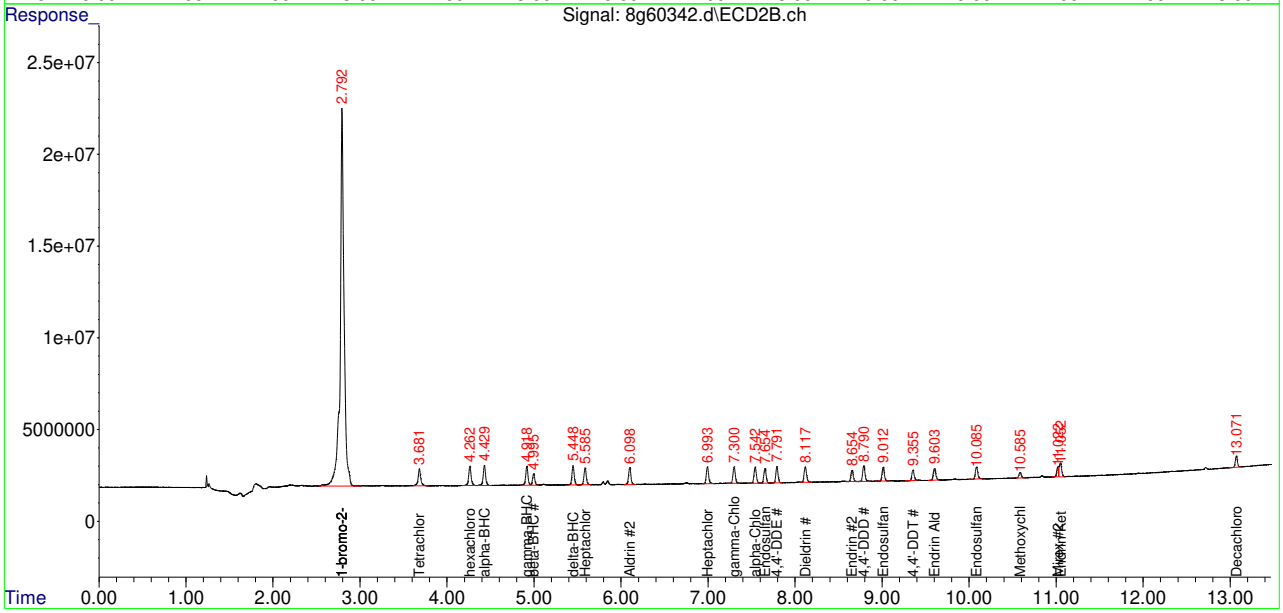
Quantitation Report (QT Reviewed)

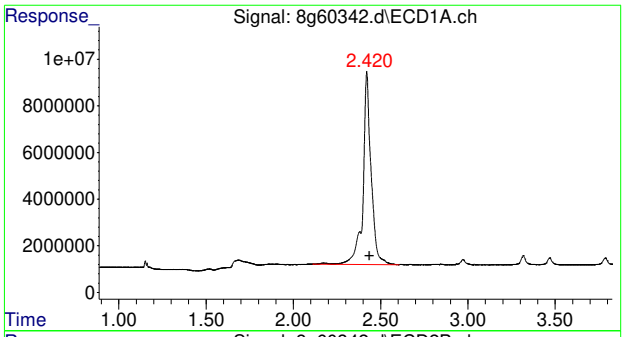
Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60342.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 11:35 am
Operator : rebeccak
Sample : ic2596-0.1 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 21:42:01 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

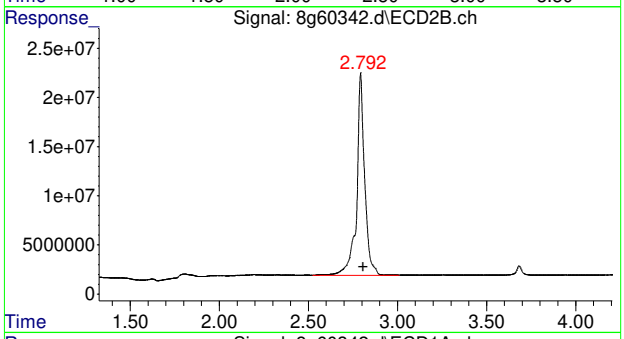






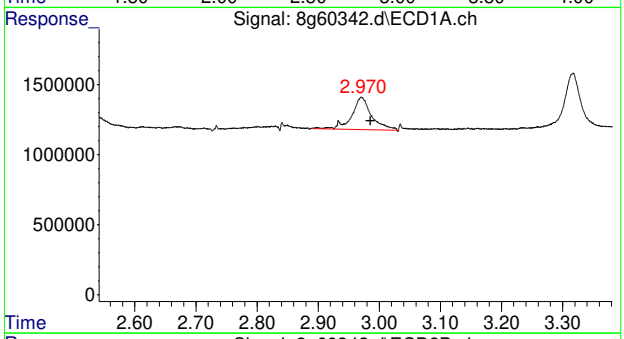
#1 1-bromo-2-nitrobenzene

R.T.: 2.420 min
Delta R.T.: -0.017 min
Response: 267019405
Conc: 5.00 PPB



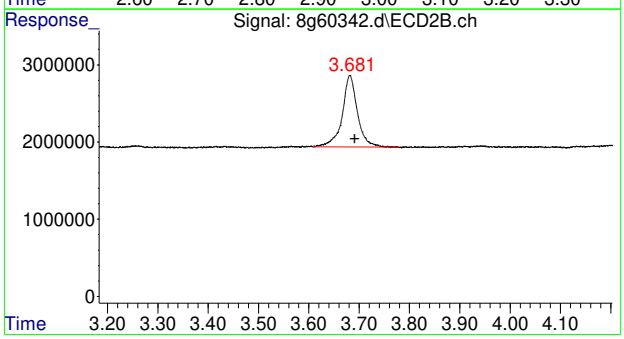
#1 1-bromo-2-nitrobenzene

R.T.: 2.793 min
Delta R.T.: -0.014 min
Response: 642375983
Conc: 5.00 PPB



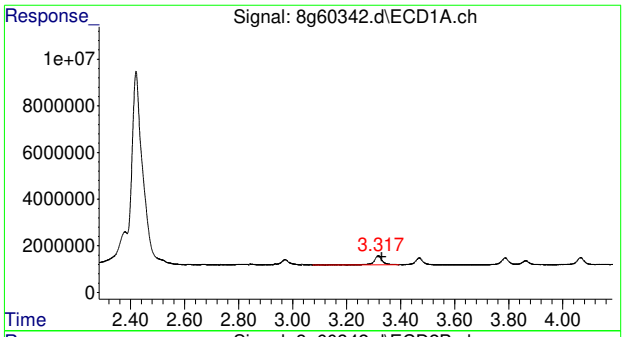
#2 Tetrachloro-m-xylene

R.T.: 2.971 min
Delta R.T.: -0.015 min
Response: 5214801
Conc: 0.09 PPB



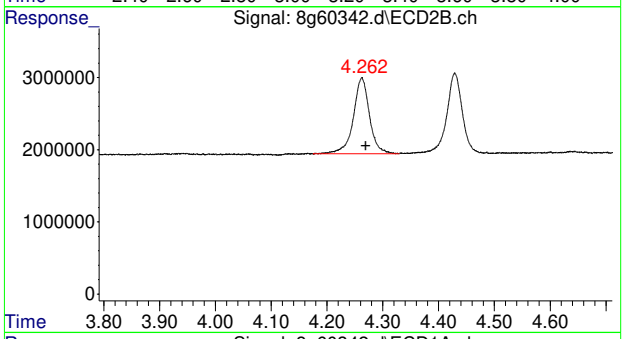
#2 Tetrachloro-m-xylene

R.T.: 3.682 min
Delta R.T.: -0.010 min
Response: 19501606
Conc: 0.12 PPB



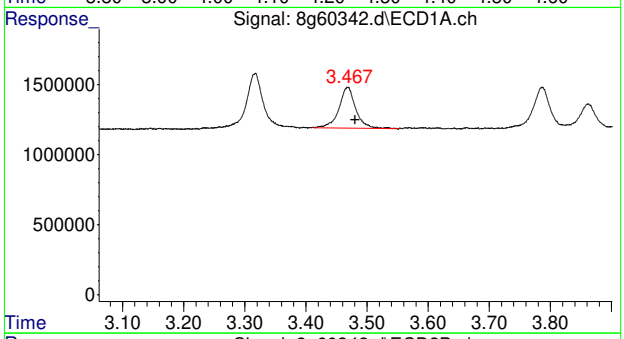
#3 hexachlorobenzene

R.T.: 3.317 min
Delta R.T.: -0.012 min
Response: 7712690
Conc: 0.08 PPB



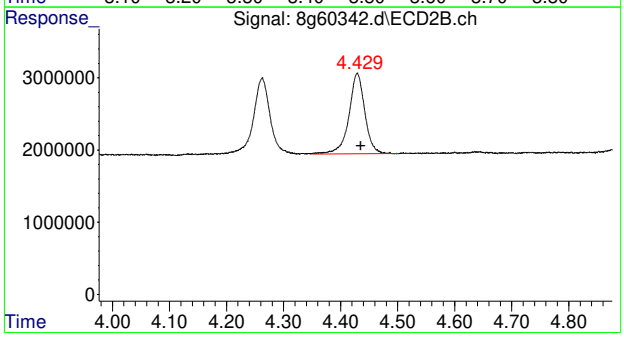
#3 hexachlorobenzene

R.T.: 4.262 min
Delta R.T.: -0.007 min
Response: 21144753
Conc: 0.11 PPB



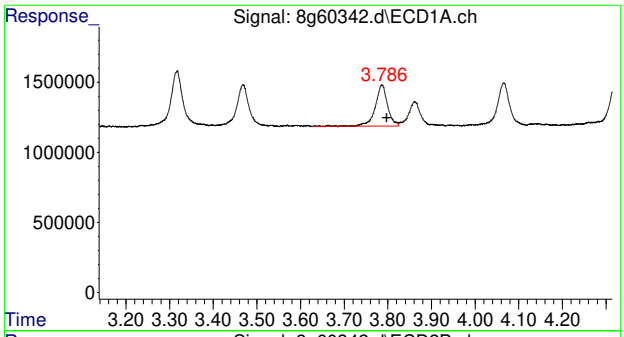
#4 alpha-BHC

R.T.: 3.468 min
Delta R.T.: -0.012 min
Response: 5599956
Conc: 0.05 PPB



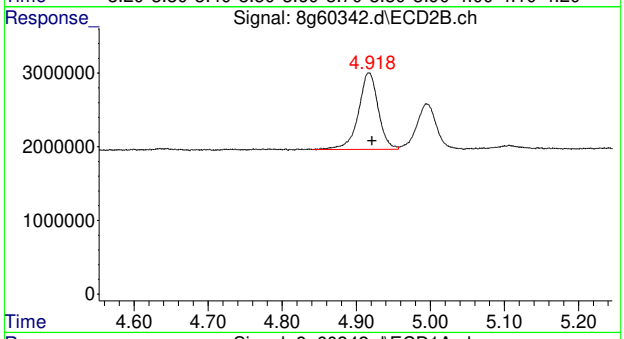
#4 alpha-BHC

R.T.: 4.429 min
Delta R.T.: -0.006 min
Response: 21588963
Conc: 0.07 PPB



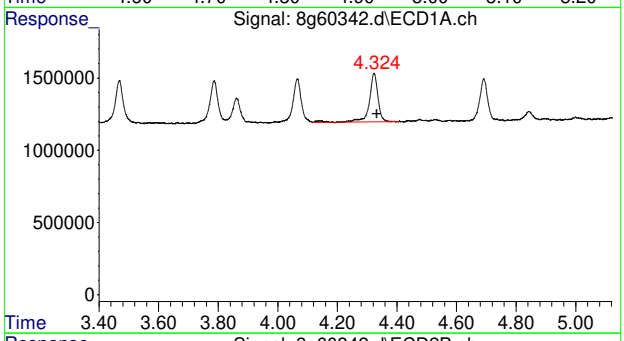
#5 gamma-BHC

R.T.: 3.787 min
Delta R.T.: -0.010 min
Response: 5799488
Conc: 0.06 PPB



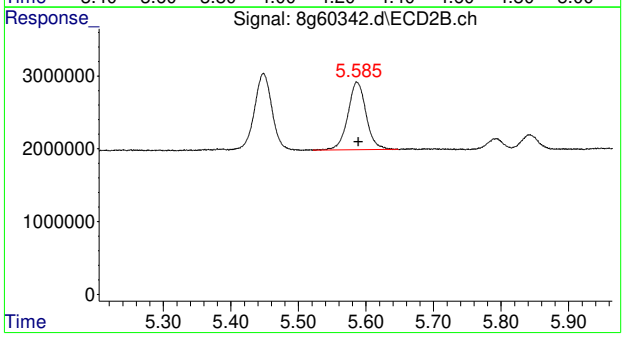
#5 gamma-BHC

R.T.: 4.917 min
Delta R.T.: -0.004 min
Response: 19274995
Conc: 0.08 PPB



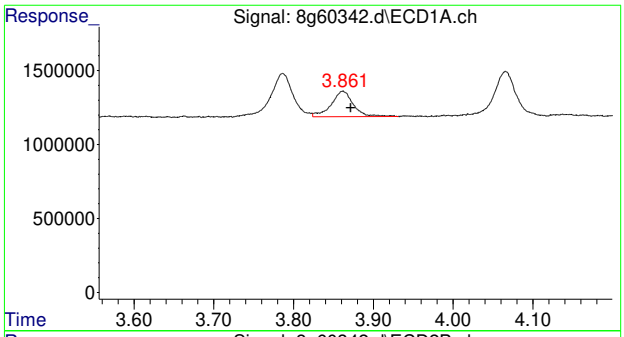
#6 Heptachlor

R.T.: 4.323 min
Delta R.T.: -0.009 min
Response: 6966211
Conc: 0.07 PPB



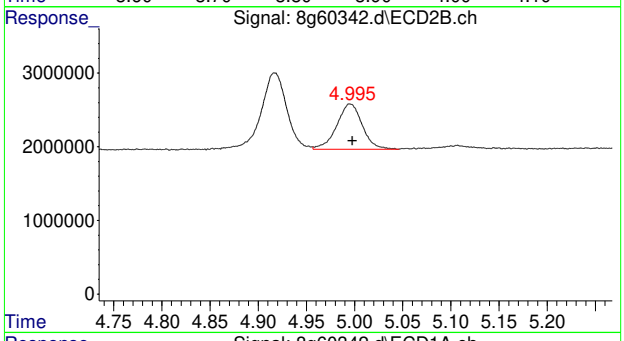
#6 Heptachlor

R.T.: 5.587 min
Delta R.T.: -0.002 min
Response: 17473777
Conc: 0.09 PPB



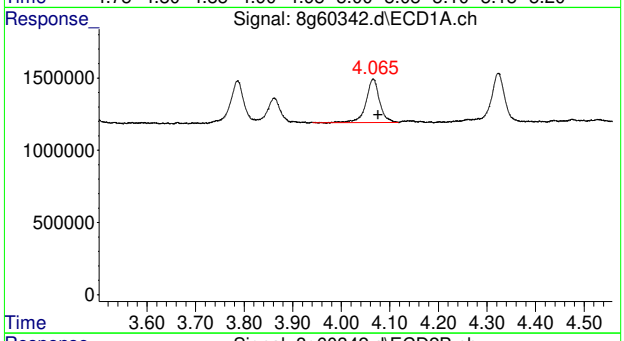
#7 beta-BHC

R.T.: 3.862 min
Delta R.T.: -0.010 min
Response: 3306368
Conc: 0.07 PPB



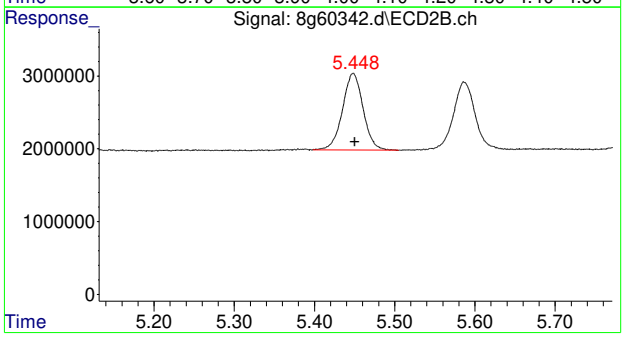
#7 beta-BHC

R.T.: 4.996 min
Delta R.T.: -0.002 min
Response: 11374611
Conc: 0.09 PPB



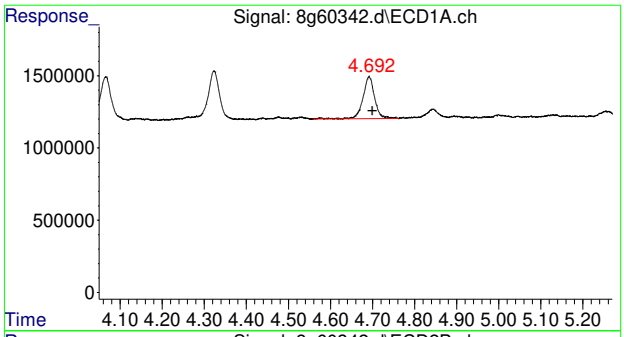
#8 delta-BHC

R.T.: 4.066 min
Delta R.T.: -0.010 min
Response: 5889102
Conc: 0.05 PPB



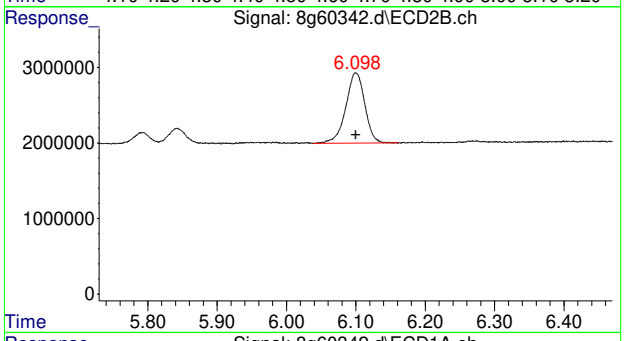
#8 delta-BHC

R.T.: 5.448 min
Delta R.T.: -0.002 min
Response: 18788481
Conc: 0.08 PPB



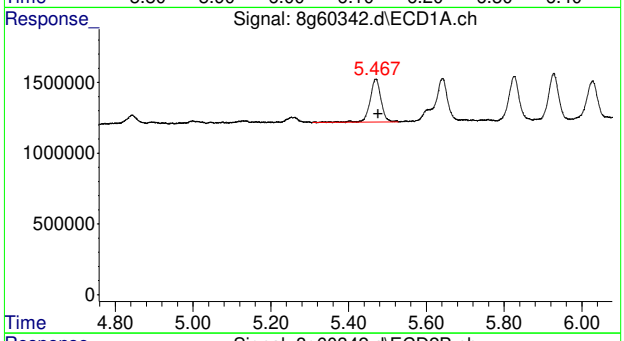
#9 Aldrin

R.T.: 4.692 min
Delta R.T.: -0.008 min
Response: 5712334
Conc: 0.06 PPB



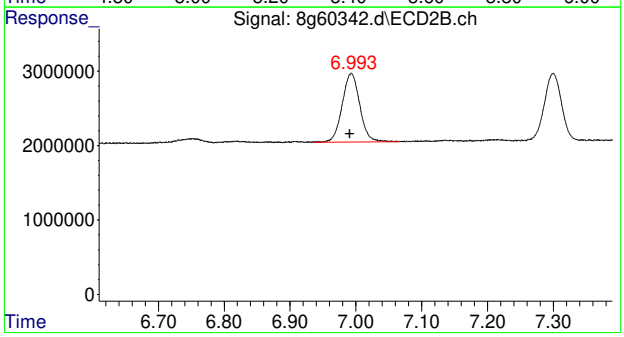
#9 Aldrin

R.T.: 6.100 min
Delta R.T.: 0.000 min
Response: 17732812
Conc: 0.08 PPB



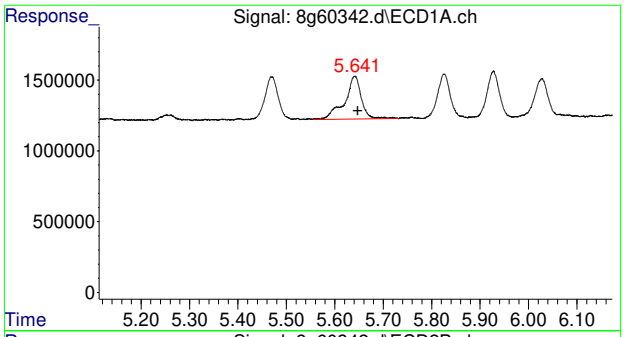
#11 Heptachlor Epoxide

R.T.: 5.470 min
Delta R.T.: -0.006 min
Response: 5918754
Conc: 0.06 PPB



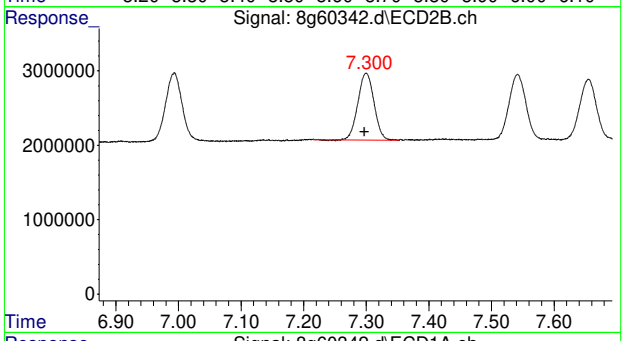
#11 Heptachlor Epoxide

R.T.: 6.993 min
Delta R.T.: 0.003 min
Response: 17075899
Conc: 0.08 PPB



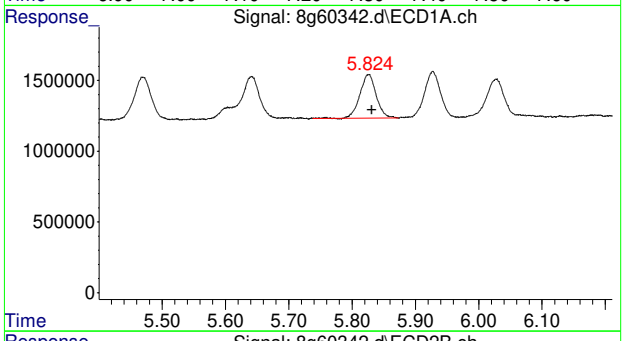
#12 gamma-Chlordane

R.T.: 5.641 min
Delta R.T.: -0.006 min
Response: 7282158
Conc: 0.08 PPB



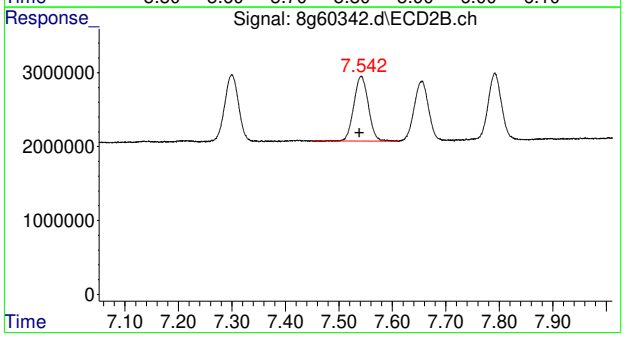
#12 gamma-Chlordane

R.T.: 7.300 min
Delta R.T.: 0.003 min
Response: 16118115
Conc: 0.08 PPB



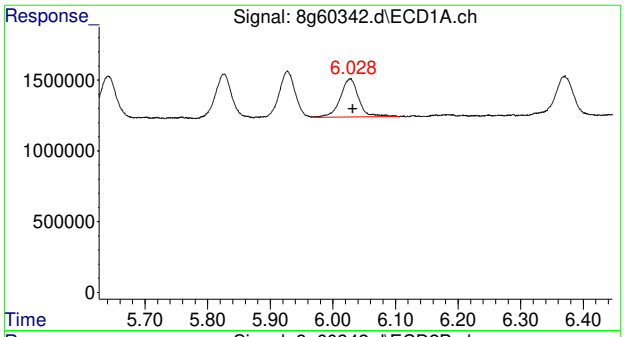
#13 alpha-Chlordane

R.T.: 5.826 min
Delta R.T.: -0.005 min
Response: 5525525
Conc: 0.06 PPB



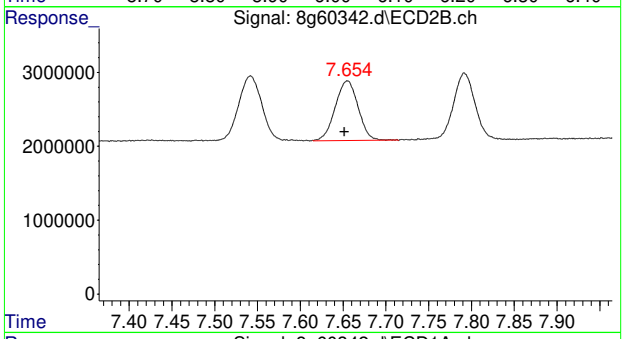
#13 alpha-Chlordane

R.T.: 7.542 min
Delta R.T.: 0.003 min
Response: 16548361
Conc: 0.08 PPB



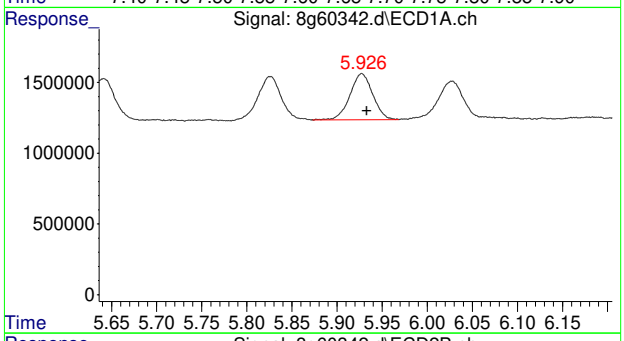
#14 Endosulfan I

R.T.: 6.027 min
Delta R.T.: -0.005 min
Response: 5481643
Conc: 0.07 PPB



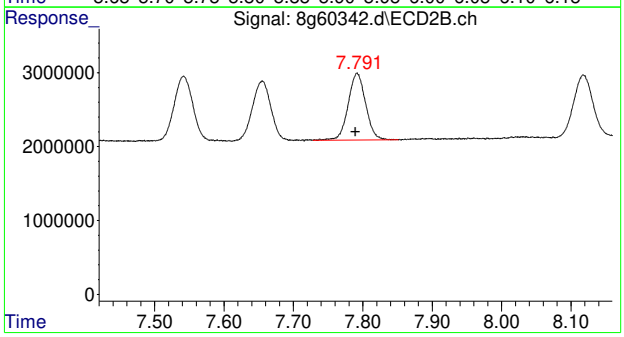
#14 Endosulfan I

R.T.: 7.655 min
Delta R.T.: 0.003 min
Response: 15014847
Conc: 0.08 PPB



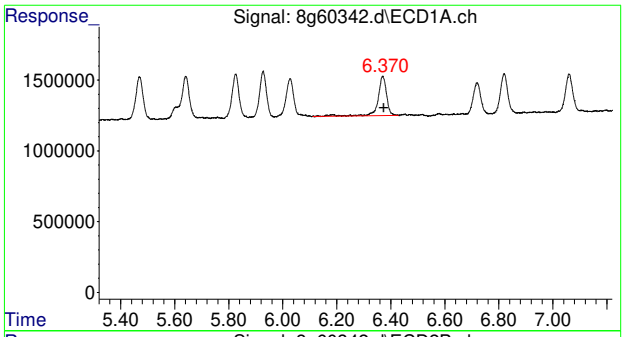
#15 4,4'-DDE

R.T.: 5.927 min
Delta R.T.: -0.005 min
Response: 5753312
Conc: 0.06 PPB



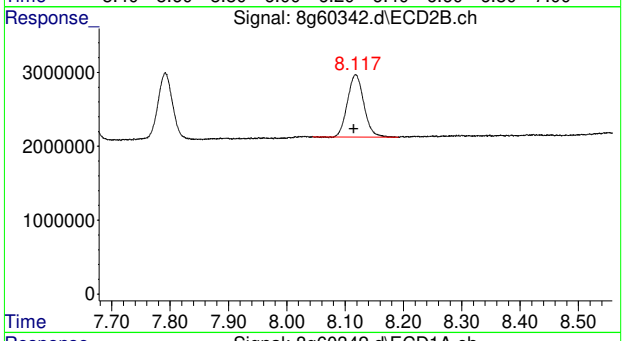
#15 4,4'-DDE

R.T.: 7.792 min
Delta R.T.: 0.003 min
Response: 15870692
Conc: 0.08 PPB



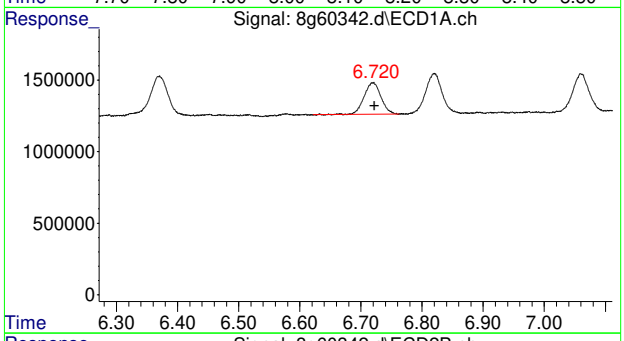
#16 Dieldrin

R.T.: 6.370 min
Delta R.T.: -0.005 min
Response: 6266766
Conc: 0.07 PPB



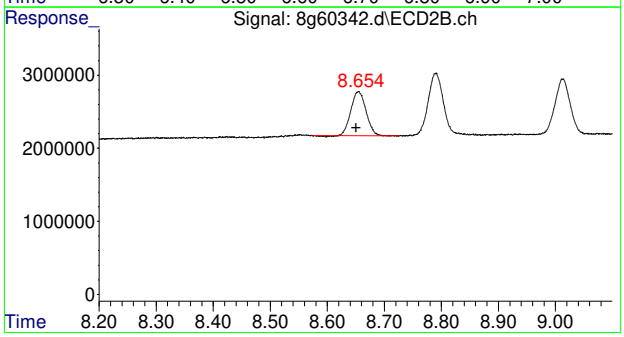
#16 Dieldrin

R.T.: 8.118 min
Delta R.T.: 0.004 min
Response: 16483771
Conc: 0.07 PPB



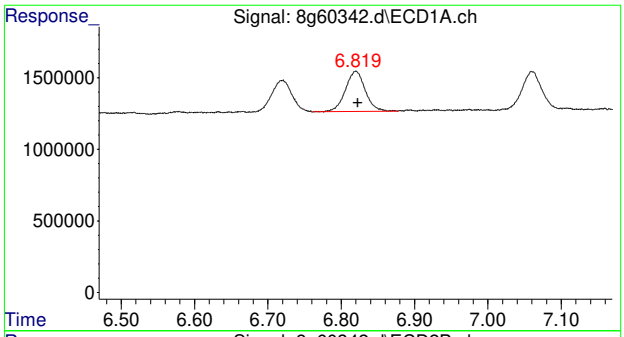
#17 Endrin

R.T.: 6.720 min
Delta R.T.: -0.002 min
Response: 4273716
Conc: 0.07 PPB



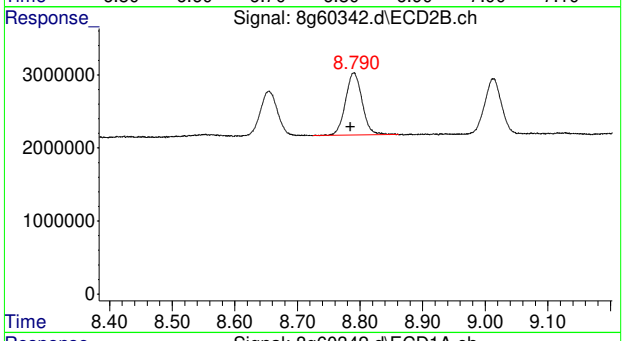
#17 Endrin

R.T.: 8.654 min
Delta R.T.: 0.004 min
Response: 11243457
Conc: 0.08 PPB



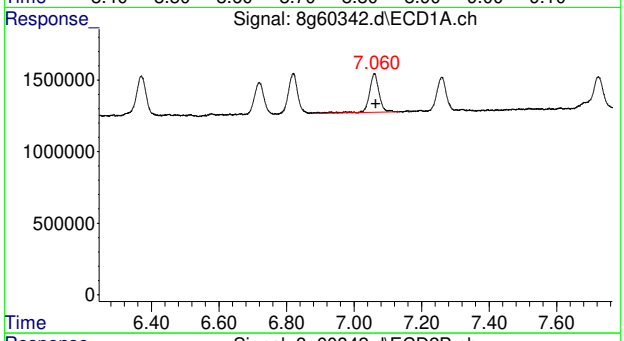
#18 4,4'-DDD

R.T.: 6.820 min
Delta R.T.: -0.003 min
Response: 5291556
Conc: 0.05 PPB



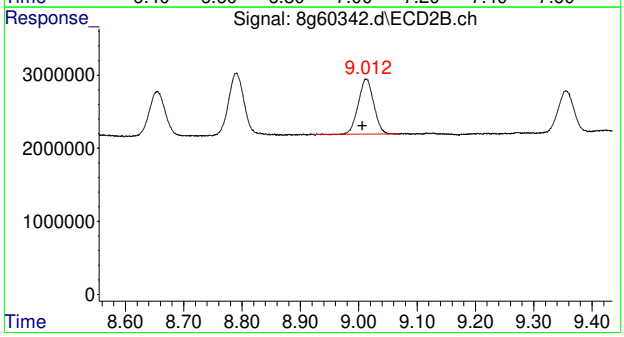
#18 4,4'-DDD

R.T.: 8.790 min
Delta R.T.: 0.005 min
Response: 15714384
Conc: 0.06 PPB



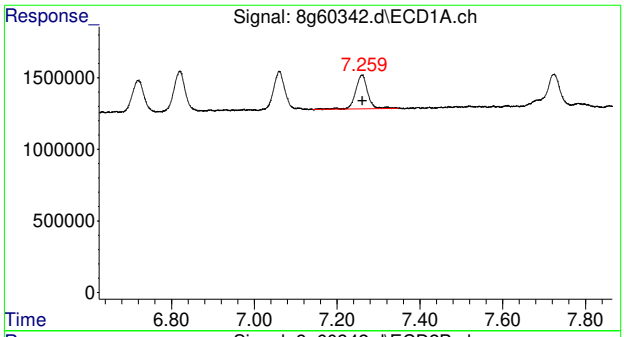
#19 Endosulfan II

R.T.: 7.060 min
Delta R.T.: -0.004 min
Response: 5401419
Conc: 0.07 PPB



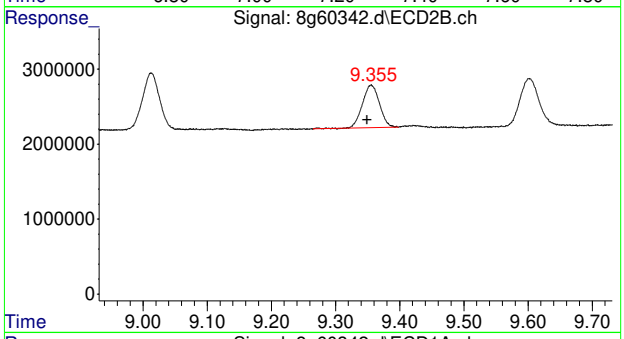
#19 Endosulfan II

R.T.: 9.013 min
Delta R.T.: 0.006 min
Response: 13883331
Conc: 0.08 PPB



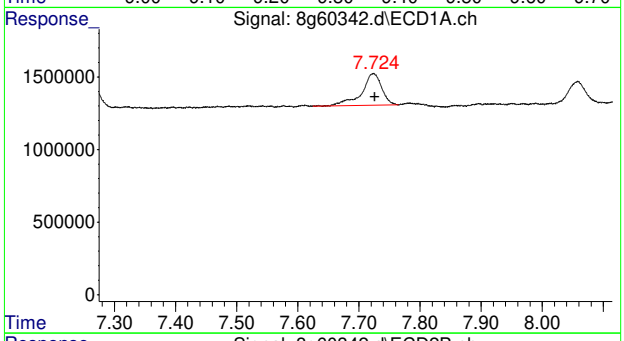
#20 4,4'-DDT

R.T.: 7.260 min
Delta R.T.: -0.002 min
Response: 4777329
Conc: 0.07 PPB



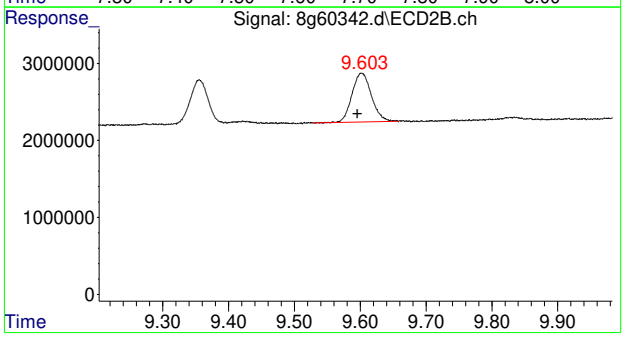
#20 4,4'-DDT

R.T.: 9.356 min
Delta R.T.: 0.007 min
Response: 10354115
Conc: 0.08 PPB



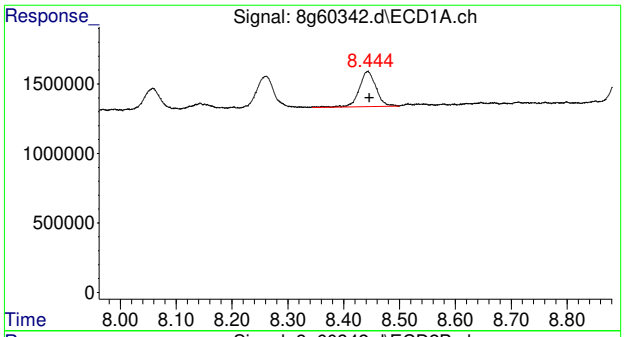
#21 Endrin Aldehyde

R.T.: 7.724 min
Delta R.T.: -0.002 min
Response: 4953167
Conc: 0.07 PPB



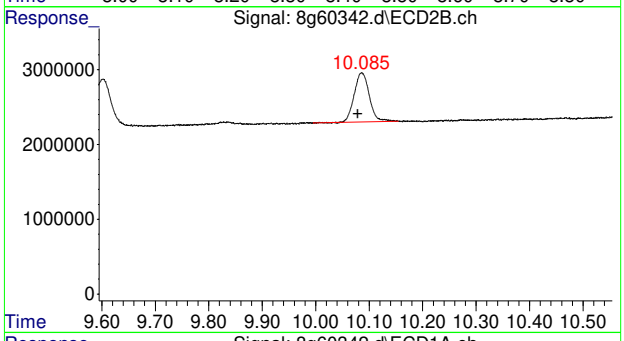
#21 Endrin Aldehyde

R.T.: 9.602 min
Delta R.T.: 0.006 min
Response: 12963399
Conc: 0.09 PPB



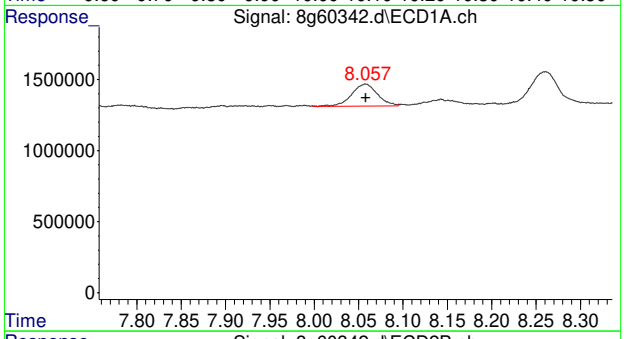
#22 Endosulfan Sulfate

R.T.: 8.443 min
Delta R.T.: -0.003 min
Response: 5271223
Conc: 0.07 PPB



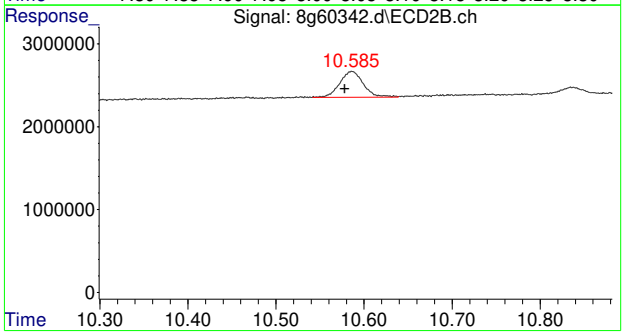
#22 Endosulfan Sulfate

R.T.: 10.086 min
Delta R.T.: 0.008 min
Response: 12861966
Conc: 0.08 PPB



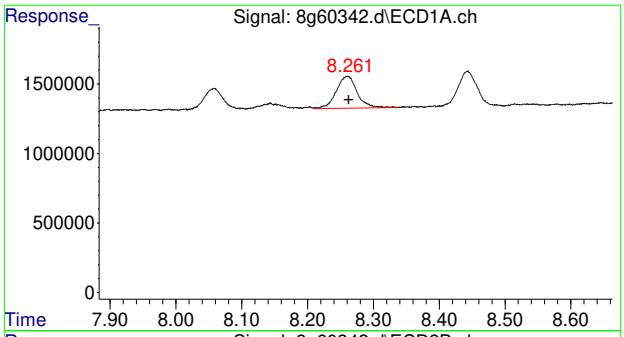
#23 Methoxychlor

R.T.: 8.057 min
Delta R.T.: 0.000 min
Response: 3201299
Conc: 0.08 PPB m



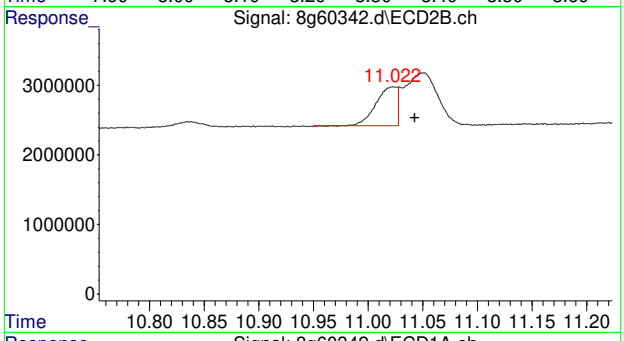
#23 Methoxychlor

R.T.: 10.585 min
Delta R.T.: 0.007 min
Response: 5829128
Conc: 0.09 PPB m



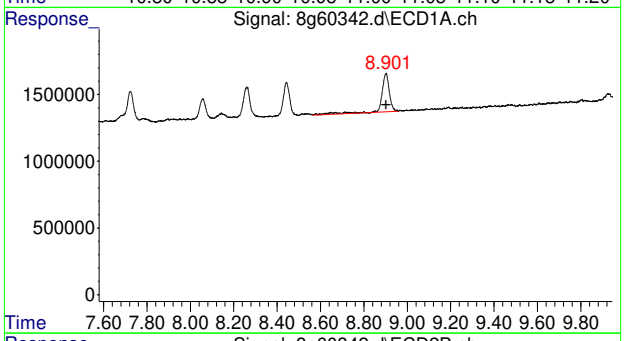
#24 Mirex

R.T.: 8.260 min
Delta R.T.: -0.002 min
Response: 5085281
Conc: 0.09 PPB



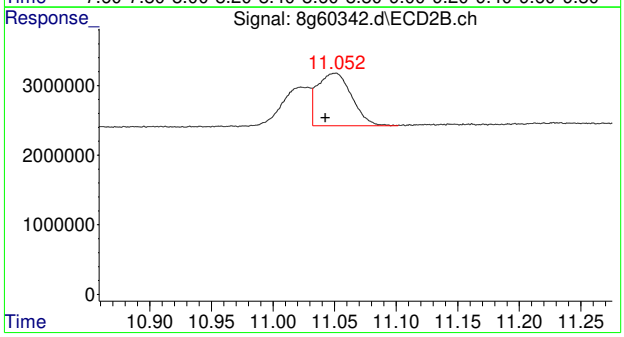
#24 Mirex

R.T.: 11.022 min
Delta R.T.: -0.020 min
Response: 7716912
Conc: 0.08 PPB m



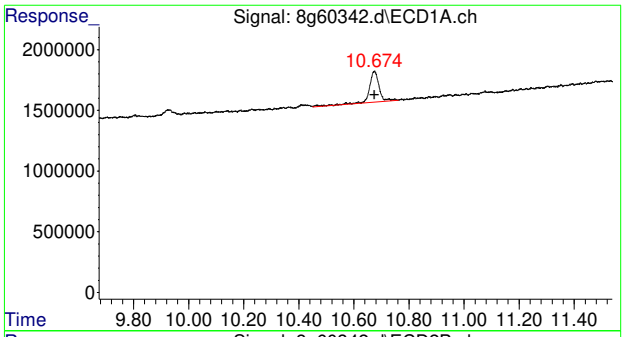
#25 Endrin Ketone

R.T.: 8.902 min
Delta R.T.: 0.000 min
Response: 7146066
Conc: 0.08 PPB



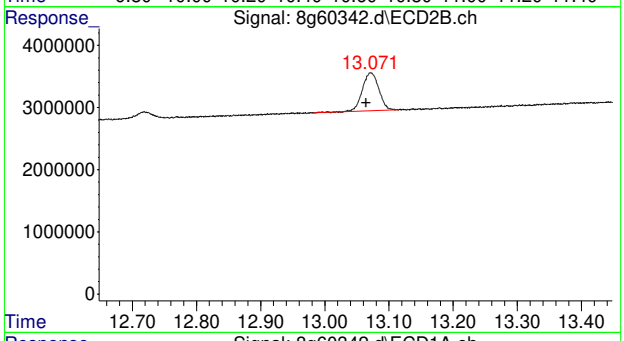
#25 Endrin Ketone

R.T.: 11.052 min
Delta R.T.: 0.009 min
Response: 14498339
Conc: 0.07 PPB m



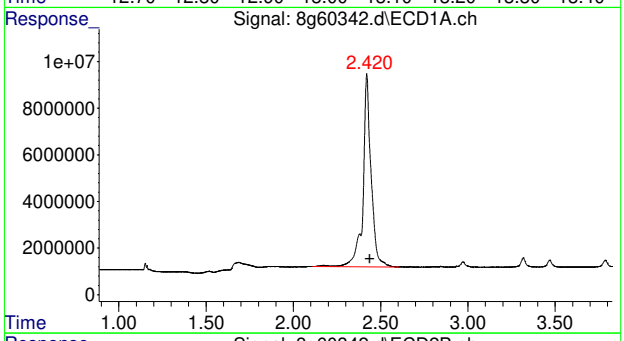
#26 Decachlorobiphenyl

R.T.: 10.674 min
Delta R.T.: 0.000 min
Response: 6200271
Conc: 0.11 PPB



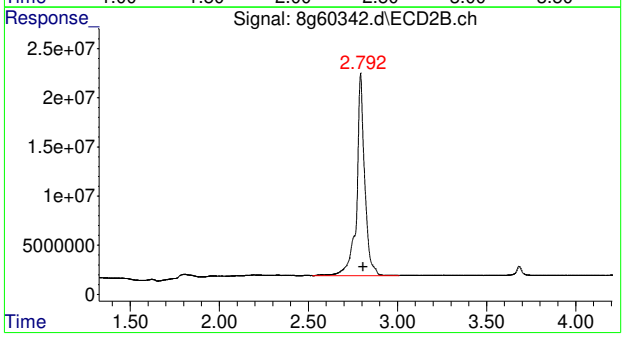
#26 Decachlorobiphenyl

R.T.: 13.072 min
Delta R.T.: 0.008 min
Response: 10783316
Conc: 0.11 PPB



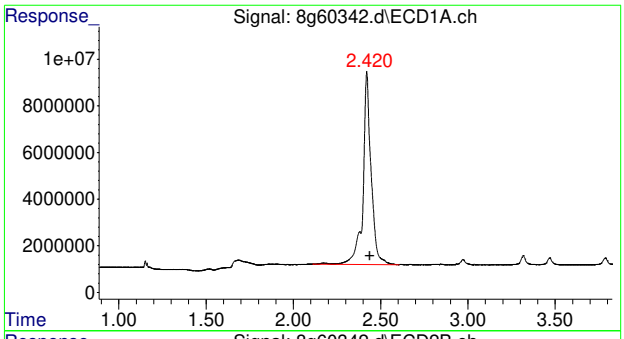
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.420 min
Delta R.T.: -0.017 min
Response: 267019405
Conc: 5.00 PPB



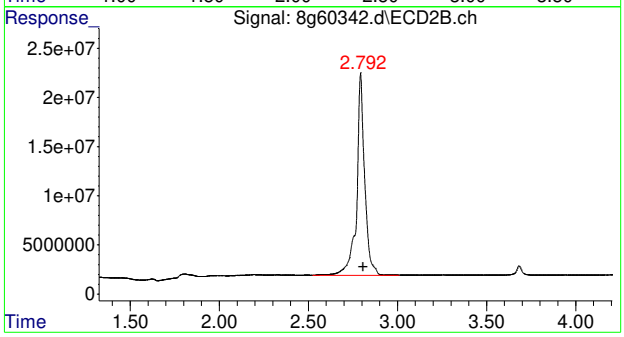
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.793 min
Delta R.T.: -0.014 min
Response: 642375983
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.420 min
Delta R.T.: -0.017 min
Response: 267019405
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.793 min
Delta R.T.: -0.014 min
Response: 642375983
Conc: 5.00 PPB

Manual Integration Approval Summary

Sample Number: G8G2596-IC2596
Lab FileID: 8G60342.D
Injection Time: 09/18/24 11:35
Method: SW846 8081B
Analyst approved: 09/19/24 07:07 Rebecca Krug
Supervisor approved: 09/24/24 10:58 Gwendolyn Burns

Parameter	CAS	Sig#	R.T. (min.)	Reason
Methoxychlor	72-43-5	1	8.06	Poorly defined baseline
Methoxychlor	72-43-5	2	10.59	Poorly defined baseline
Mirex	2385-85-5	2	11.02	Poorly defined baseline
Endrin ketone	53494-70-5	2	11.05	Poorly defined baseline

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 09/24/24 10:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60343.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 11:58 am
Operator : rebeccak
Sample : ic2596-0.2 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 24 09:06:07 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB	
		Internal Standards							
1)	I	1-bromo-2...	2.422	2.793	278.0E6	660.3E6	5.000	5.000	
27)	I	1-bromo-2...	2.422	2.793	278.0E6	660.3E6	5.000	5.000	
33)	I	1-bromo-2...	2.422	2.793	278.0E6	660.3E6	5.000	5.000	
		System Monitoring Compounds							
2)	SAB	Tetrachlo...	2.972	3.682	9626809	35668128	0.159	0.206	#
		Spiked Amount 40.000	Range 30 - 150		Recovery =		0.40%#	0.52%#	
26)	SA	Decachlor...	10.674	13.071	10868233	20133137	0.183	0.203	
		Spiked Amount 40.000			Recovery =		0.46%	0.51%	
		Target Compounds							
3)		hexachlor...	3.317	4.262	17117697	39548210	0.165	0.200	
4)	A	alpha-BHC	3.469	4.429	12280435	40199534	0.107	0.130	
5)	MA	gamma-BHC	3.786	4.917	11769414	36574099	0.112	0.150	#
6)	MA	Heptachlor	4.324	5.587	13470222	32997954	0.131	0.158	
7)	B	beta-BHC	3.861	4.995	6284869	20531297	0.122	0.157	#
8)	B	delta-BHC	4.066	5.447	11483646	35062567	0.101	0.137	#
9)	MB	Aldrin	4.692	6.099	10637125	33497910	0.113	0.151	#
11)	B	Heptachlo...	5.470	6.991	11604114	32234188	0.120	0.151	#
12)	B	gamma-Chl...	5.641	7.299	14221811	30952651	0.152	0.148	
13)	B	alpha-Chl...	5.825	7.541	11267644	31038815	0.121	0.149	
14)	A	Endosulfan I	6.027	7.653	11053091	28244486	0.127	0.146	
15)	B	4,4'-DDE	5.928	7.792	11464328	29860113	0.118	0.141	
16)	MA	Dieldrin	6.370	8.116	11865012	32407226	0.133	0.140	
17)	MA	Endrin	6.719	8.654	9619153	23729282	0.150	0.170	
18)	A	4,4'-DDD	6.819	8.789	10417077	28671201	0.092	0.112	
19)	B	Endosulfa...	7.060	9.011	10434798	26730846	0.125	0.146	
20)	MA	4,4'-DDT	7.259	9.354	9292678	20173401	0.127	0.149	
21)	B	Endrin Al...	7.723	9.601	10701509	23494757	0.150	0.158	
22)	B	Endosulfa...	8.442	10.085	9940568	24157272	0.125	0.143	
23)	A	Methoxychlor	8.056	10.585	6746903	10744538	0.163	0.166	
24)		Mirex	8.260	11.023f	9719181	14507817	0.164	0.142m	
25)	B	Endrin Ke...	8.900	11.047	13352159	29665704	0.136	0.132m	
		SemiQuant Compounds - Not Calibrated on this Instrument							

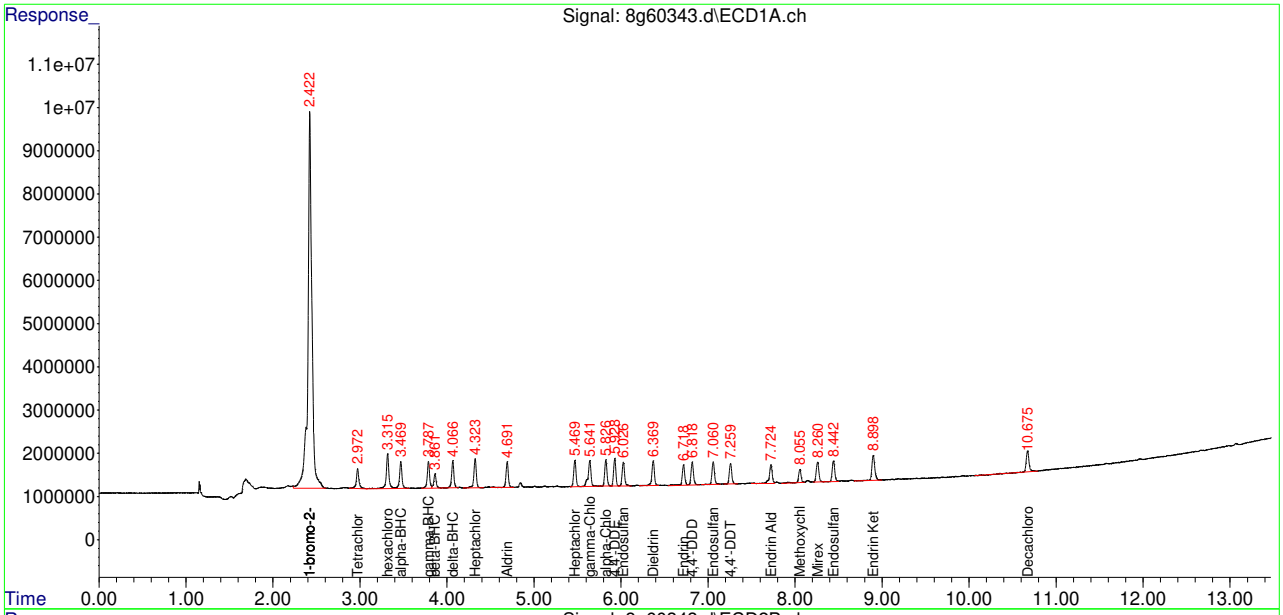
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

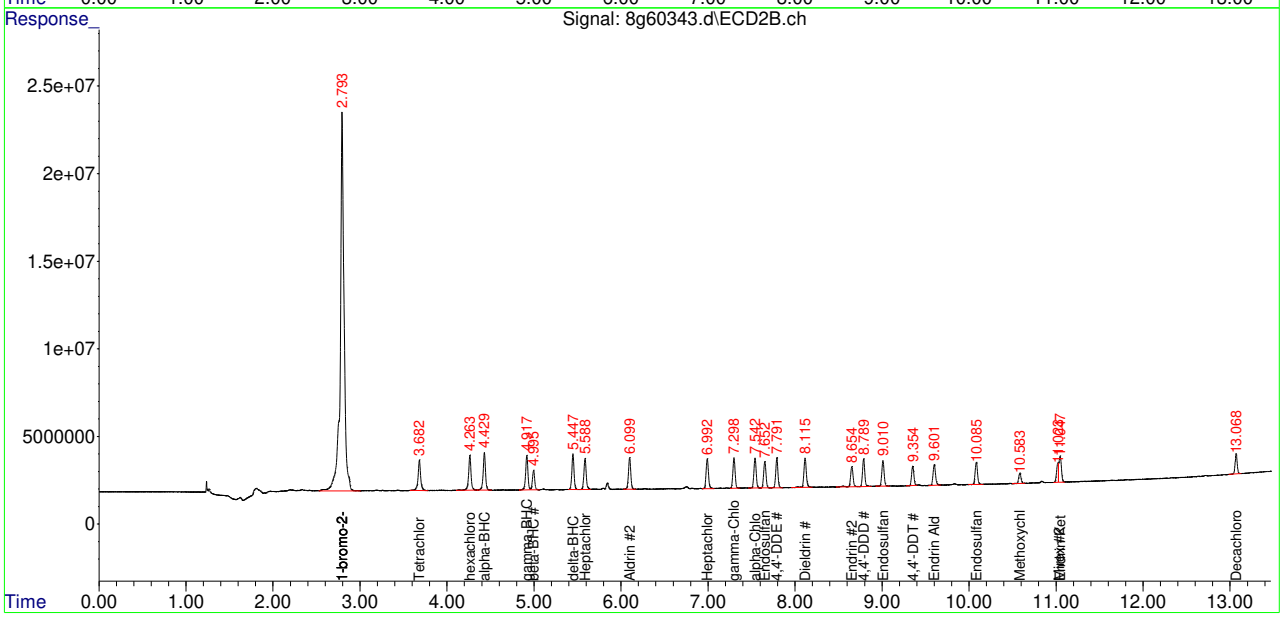
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60343.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 11:58 am
Operator : rebeccak
Sample : ic2596-0.2 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 24 09:06:07 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





Manual Integration Approval Summary

Sample Number: G8G2596-IC2596 **Method:** SW846 8081B
Lab FileID: 8G60343.D **Analyst approved:** 09/19/24 07:07 Rebecca Krug
Injection Time: 09/18/24 11:58 **Supervisor approved:** 09/24/24 10:58 Gwendolyn Burns

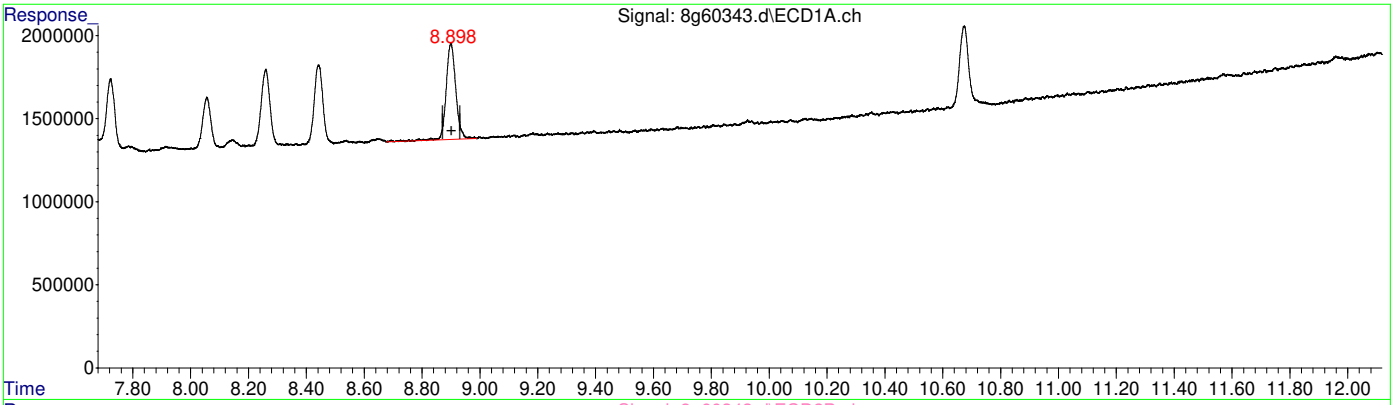
Parameter	CAS	Sig#	R.T. (min.)	Reason
Mirex	2385-85-5	2	11.02	Poorly defined baseline
Endrin ketone	53494-70-5	2	11.05	Poorly defined baseline

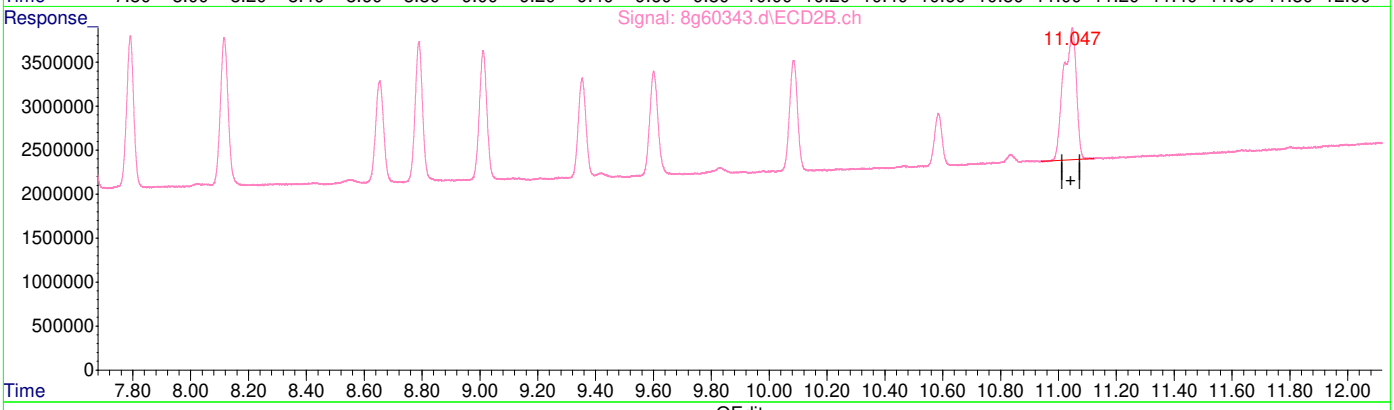
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60343.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 11:58 am
Operator : rebeccak
Sample : ic2596-0.2 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:45:45 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(25) Endrin Ketone (B)

8.900min 0.136 PPB

response 13352159

(25) Endrin Ketone #2 (B)

11.048min 0.203 PPB

response 45565225

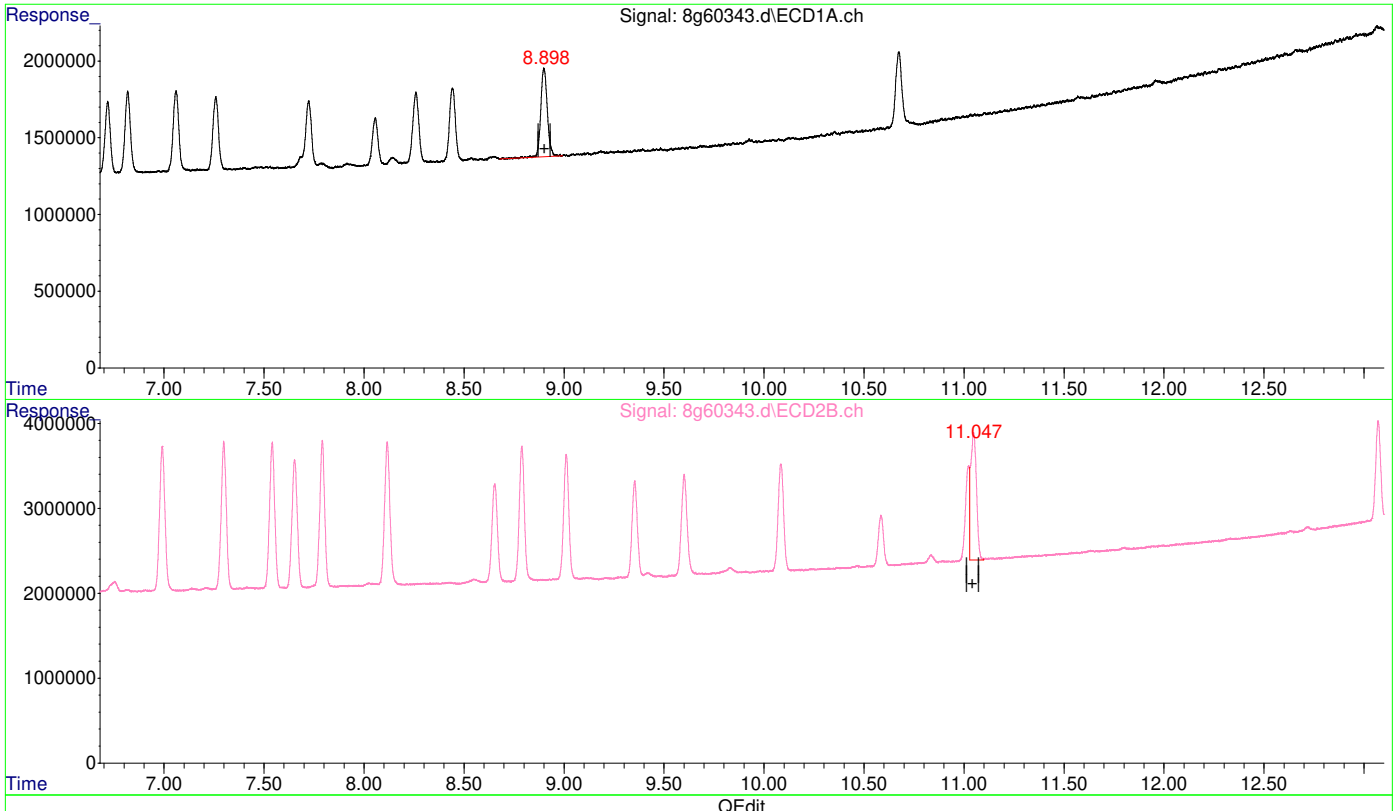
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60343.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 11:58 am
Operator : rebeccak
Sample : ic2596-0.2 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:45:45 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(25) Endrin Ketone (B)

8.900min 0.136 PPB

response 13352159

(25) Endrin Ketone #2 (B)

11.047min 0.132 PPB m

response 29665704

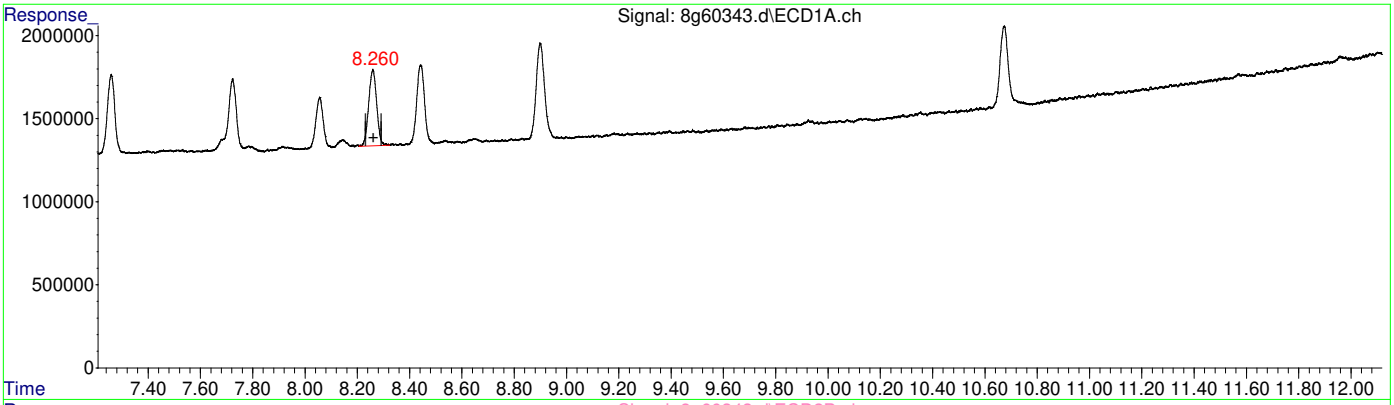
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Sep 19 06:55:59 2024

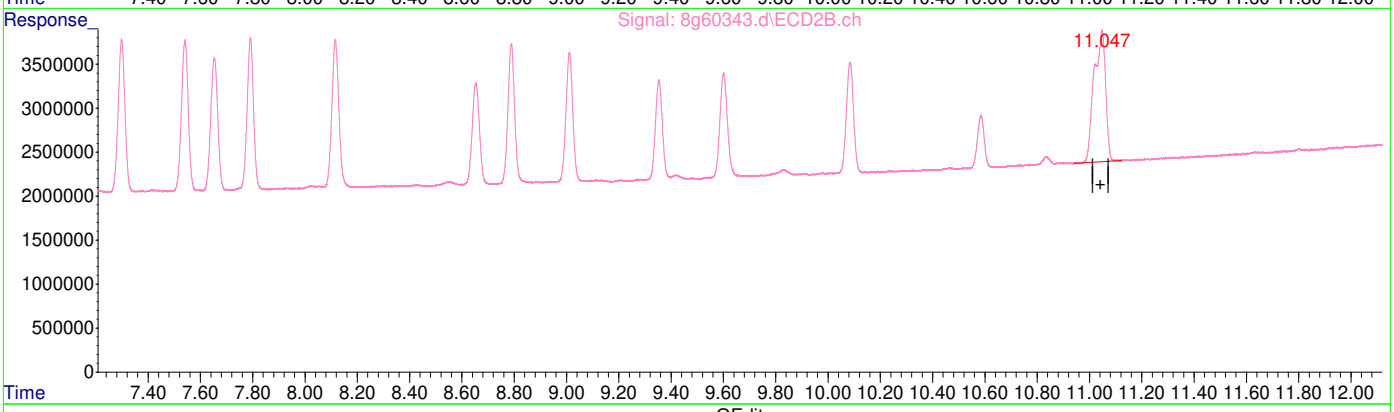
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60343.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 11:58 am
Operator : rebeccak
Sample : ic2596-0.2 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:45:45 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(24) Mirex

8.260min 0.164 PPB

response 9719181

(24) Mirex #2

11.048min 0.448 PPB

response 45565225

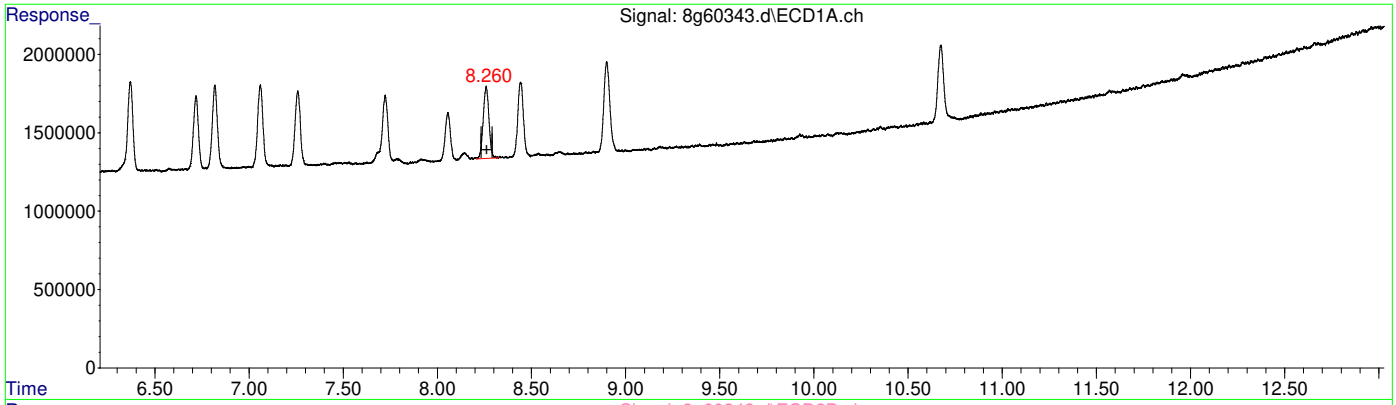
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Sep 19 06:56:02 2024

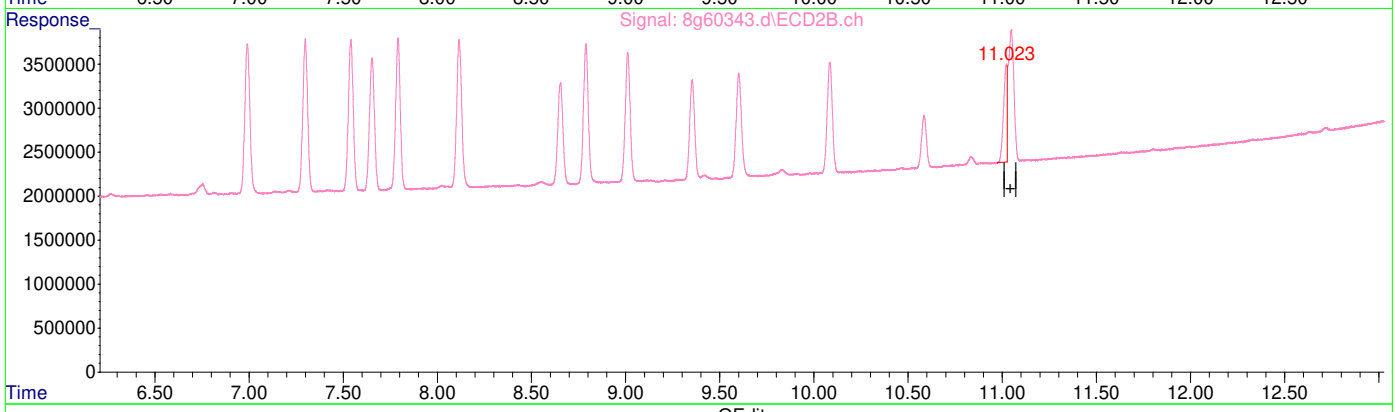
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60343.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 11:58 am
Operator : rebeccak
Sample : ic2596-0.2 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:45:45 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(24) Mirex

8.260min 0.164 PPB

response 9719181

(24) Mirex #2

11.023min 0.142 PPB m

response 14507817

(+) = Expected Retention Time
8PSTLVI2596a.M Thu Sep 19 06:56:12 2024

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 09/24/24 10:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60344.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 12:21 pm
Operator : rebeccak
Sample : ic2596-0.5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:44:21 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
		Internal Standards						
1)	I	1-bromo-2...	2.422	2.793	263.2E6	642.5E6	5.000	5.000
27)	I	1-bromo-2...	2.422	2.793	263.2E6	642.5E6	5.000	5.000
33)	I	1-bromo-2...	2.422	2.793	263.2E6	642.5E6	5.000	5.000
		System Monitoring Compounds						
2)	SAB	Tetrachlo...	2.971	3.682	24450630	84812490	0.427	0.504
		Spiked Amount 40.000	Range 30 - 150		Recovery =		1.07%#	1.26%#
26)	SA	Decachlor...	10.675	13.069	24239115	48722189	0.430	0.505
		Spiked Amount 40.000			Recovery =		1.08%	1.26%
		Target Compounds						
3)		hexachlor...	3.316	4.262	42000736	88061604	0.427	0.458
4)	A	alpha-BHC	3.469	4.429	32645103	96315657	0.302	0.320
5)	MA	gamma-BHC	3.787	4.917	30420870	88768313	0.305	0.373
6)	MA	Heptachlor	4.324	5.586	33240288	79053860	0.342	0.389
7)	B	beta-BHC	3.862	4.995	16226983	47296986	0.332	0.372
8)	B	delta-BHC	4.066	5.447	29478714	84940645	0.275	0.342
9)	MB	Aldrin	4.691	6.100	28524708	79996743	0.319	0.371
10)		alachlor	4.842	5.840	4906649	14400036	0.433	0.541
11)	B	Heptachlo...	5.470	6.991	29835561	77435951	0.327	0.374
12)	B	gamma-Chl...	5.641	7.298	29894066	76891433	0.337	0.377
13)	B	alpha-Chl...	5.827	7.541	29030900	75438576	0.329	0.372
14)	A	Endosulfan I	6.027	7.653	27484261	68991372	0.334	0.365
15)	B	4,4'-DDE	5.928	7.790	29381424	72404423	0.319	0.353
16)	MA	Dieldrin	6.371	8.116	28557157	78022556	0.337	0.346
17)	MA	Endrin	6.718	8.653	23067878	57261467	0.381	0.421
18)	A	4,4'-DDD	6.819	8.788	24133036	63981376	0.226	0.256
19)	B	Endosulfa...	7.060	9.011	26187064	65889320	0.331	0.370
20)	MA	4,4'-DDT	7.258	9.353	25190458	52520986	0.363	0.397
21)	B	Endrin Al...	7.724	9.600	21592680	51130836	0.320	0.353
22)	B	Endosulfa...	8.443	10.083	24949523	60257624	0.331	0.367
23)	A	Methoxychlor	8.055	10.583	15921474	26932343	0.406	0.427
24)		Mirex	8.259	11.026f	24546976	37451312	0.437	0.378m
25)	B	Endrin Ke...	8.899	11.048	30956556	113.1E6	0.334	0.518 #
		SemiQuant Compounds - Not Calibrated on this Instrument						

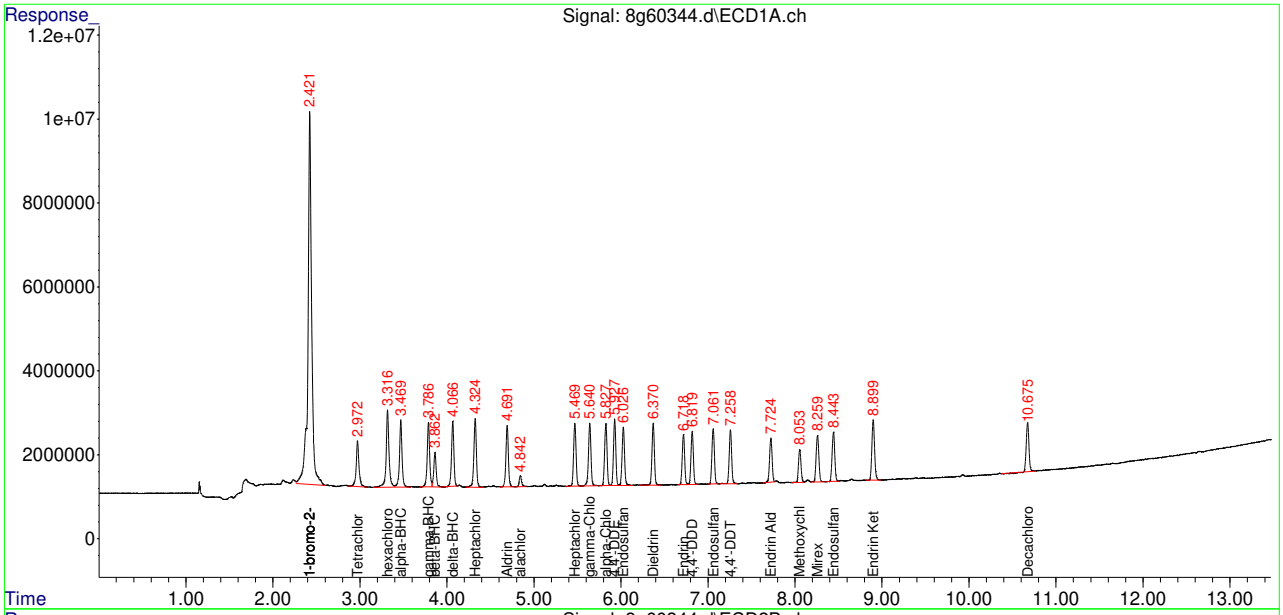
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

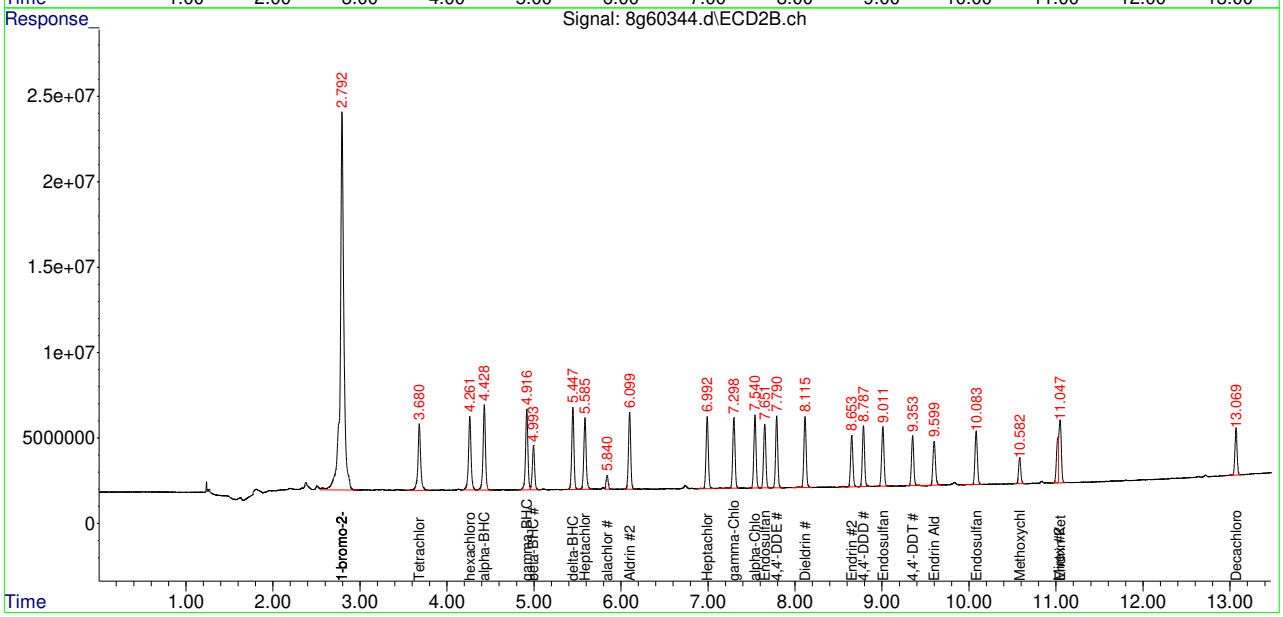
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60344.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 12:21 pm
Operator : rebeccak
Sample : ic2596-0.5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:44:21 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





Manual Integration Approval Summary

Sample Number: G8G2596-IC2596
Lab FileID: 8G60344.D
Injection Time: 09/18/24 12:21

Method: SW846 8081B
Analyst approved: 09/19/24 07:07 Rebecca Krug
Supervisor approved: 09/24/24 10:58 Gwendolyn Burns

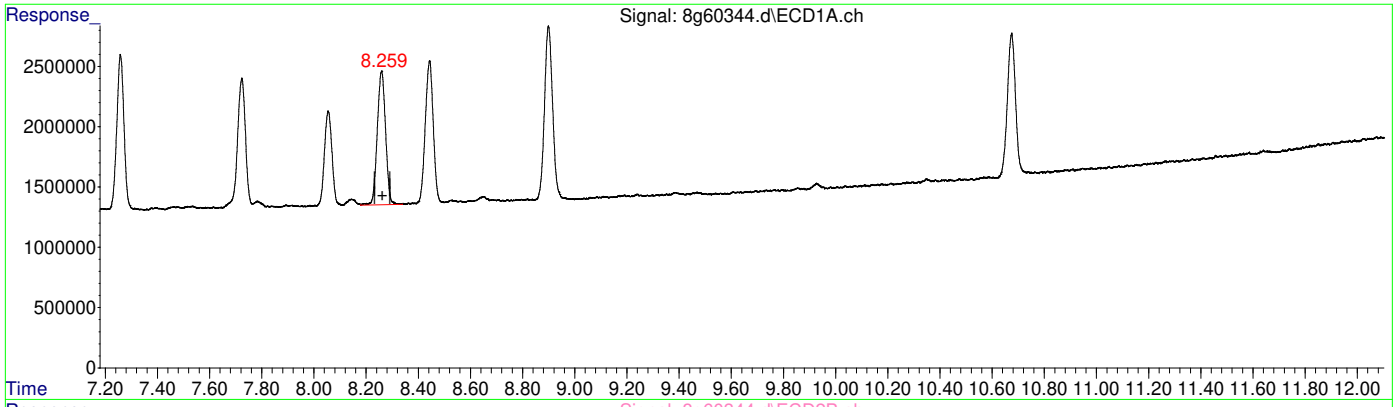
Parameter	CAS	Sig#	R.T. (min.)	Reason
Mirex	2385-85-5	2	11.03	Poorly defined baseline

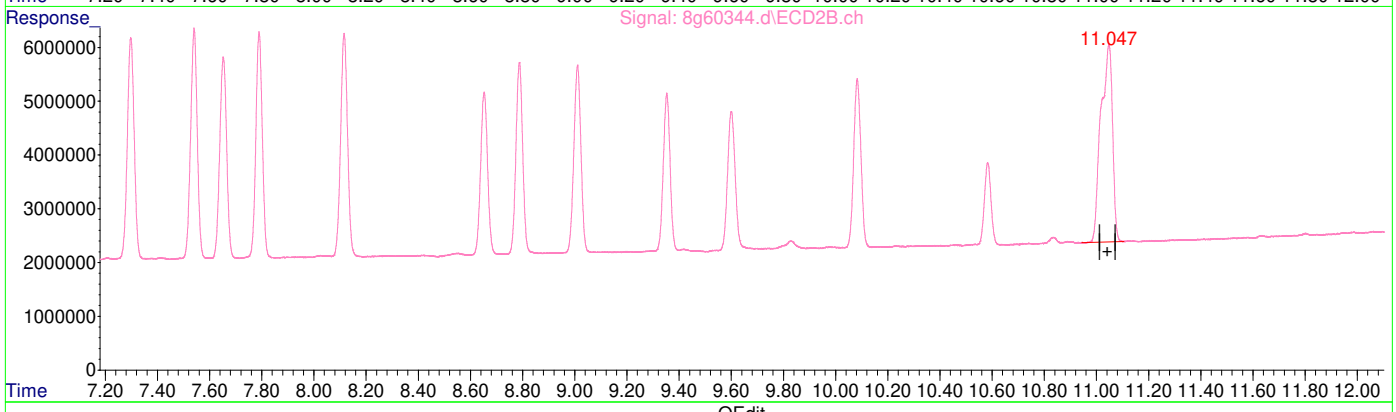
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60344.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 12:21 pm
Operator : rebeccak
Sample : ic2596-0.5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:42:15 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(24) Mirex

8.259min 0.437 PPB

response 24546976

(24) Mirex #2

11.048min 1.142 PPB

response 113142830

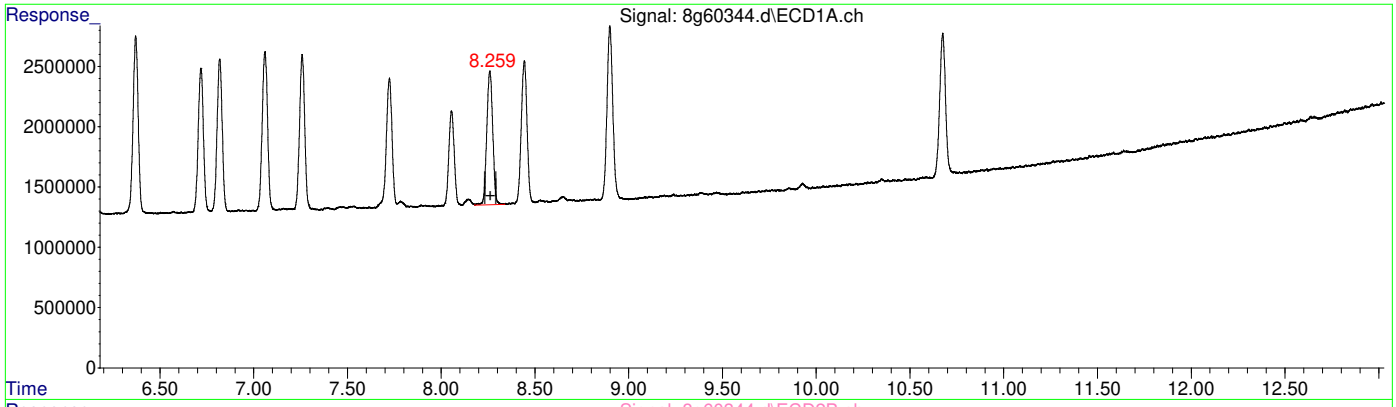
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Sep 18 20:43:27 2024

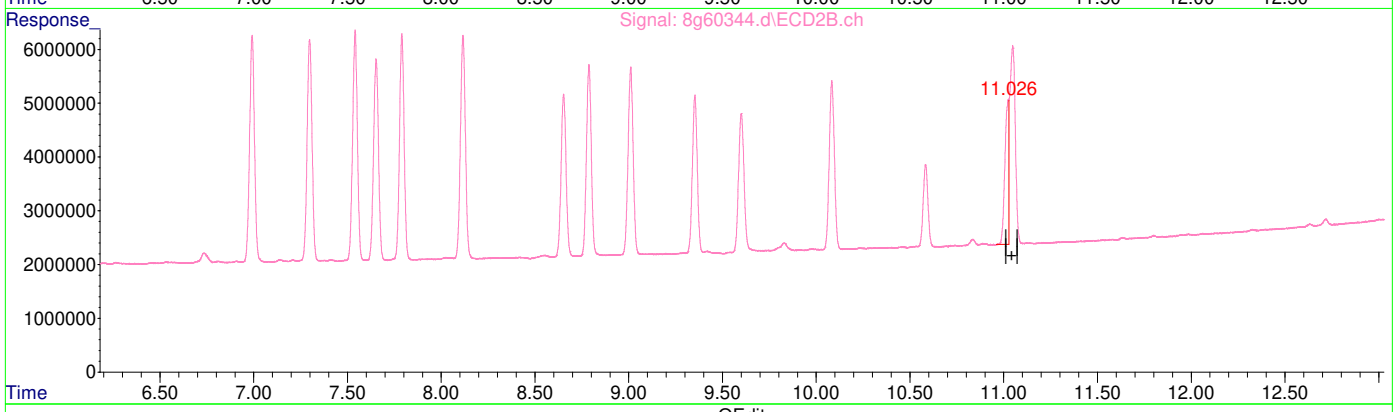
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60344.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 12:21 pm
Operator : rebeccak
Sample : ic2596-0.5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:42:15 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(24) Mirex

8.259min 0.437 PPB

response 24546976

(24) Mirex #2

11.026min 0.378 PPB m

response 37451312

(+) = Expected Retention Time
8PSTLVI2596a.M Wed Sep 18 20:44:02 2024

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 09/24/24 10:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60345.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 12:43 pm
Operator : rebeccak
Sample : ic2596-1 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 06:50:24 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
		Internal Standards						
1)	I	1-bromo-2...	2.425	2.795	305.4E6	739.0E6	5.000	5.000
27)	I	1-bromo-2...	2.425	2.795	305.4E6	739.0E6	5.000	5.000
33)	I	1-bromo-2...	2.425	2.795	305.4E6	739.0E6	5.000	5.000
		System Monitoring Compounds						
2)	SAB	Tetrachlo...	2.973	3.682	48780079	154.2E6	0.734	0.798
		Spiked Amount 40.000	Range 30 - 150		Recovery =		1.83%#	2.00%#
26)	SA	Decachlor...	10.673	13.069	48029813	91514245	0.735	0.825
		Spiked Amount 40.000			Recovery =		1.84%	2.06%
		Target Compounds						
3)		hexachlor...	3.318	4.263	77081452	161.1E6	0.675	0.729
4)	A	alpha-BHC	3.470	4.429	65169309	183.8E6	0.519	0.531
5)	MA	gamma-BHC	3.788	4.917	60693594	163.5E6	0.525	0.597
6)	MA	Heptachlor	4.324	5.586	62515639	146.7E6	0.554	0.628
7)	B	beta-BHC	3.863	4.994	30672364	84742990	0.541	0.579
8)	B	delta-BHC	4.068	5.448	61784135	160.5E6	0.497	0.562
9)	MB	Aldrin	4.693	6.099	55173350	150.0E6	0.532	0.604
10)		alachlor	4.842	5.840	9725637	25794589	0.739	0.842
11)	B	Heptachlo...	5.471	6.991	57001413	142.0E6	0.538	0.596
12)	B	gamma-Chl...	5.643	7.298	54245696	140.4E6	0.527	0.598
13)	B	alpha-Chl...	5.825	7.540	55182985	140.1E6	0.540	0.601
14)	A	Endosulfan I	6.027	7.652	51372405	128.7E6	0.539	0.593
15)	B	4,4'-DDE	5.928	7.790	55308011	135.2E6	0.517	0.573
16)	MA	Dieldrin	6.372	8.115	53057041	143.7E6	0.540	0.555
17)	MA	Endrin	6.719	8.652	44986462	107.5E6	0.641	0.687
18)	A	4,4'-DDD	6.819	8.787	46236505	115.4E6	0.373	0.402
19)	B	Endosulfa...	7.061	9.010	48830466	121.2E6	0.532	0.591
20)	MA	4,4'-DDT	7.259	9.352	48400792	100.3E6	0.601	0.660
21)	B	Endrin Al...	7.724	9.600	36948223	88889061	0.471	0.533
22)	B	Endosulfa...	8.443	10.083	46553361	110.4E6	0.533	0.584
23)	A	Methoxychlor	8.056	10.583	28724941	49693430	0.632	0.685
24)		Mirex	8.260	11.026f	43626060	68391453	0.669	0.600m
25)	B	Endrin Ke...	8.899	11.047	56140049	152.1E6	0.522	0.605m
		SemiQuant Compounds - Not Calibrated on this Instrument						

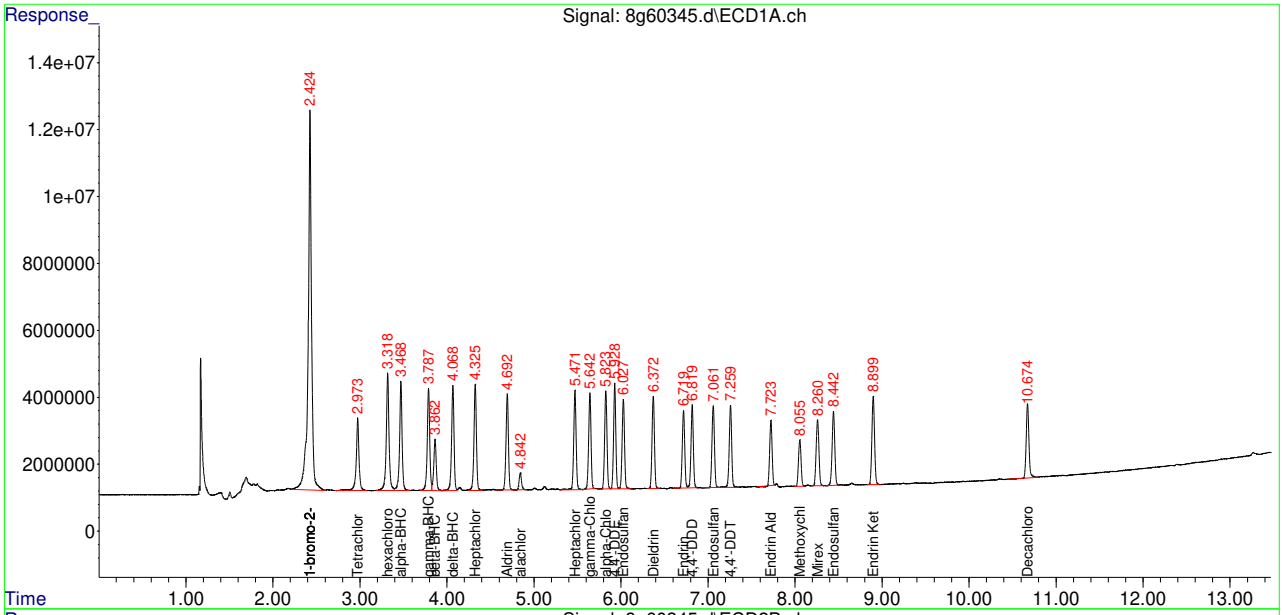
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

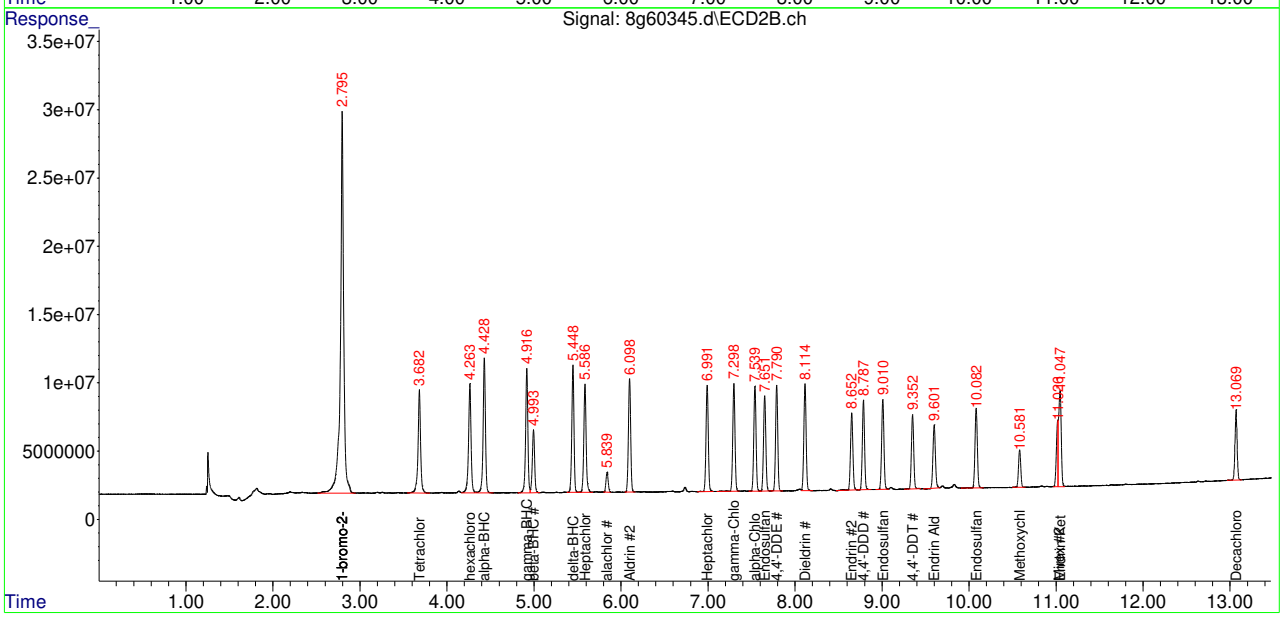
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60345.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 12:43 pm
Operator : rebeccak
Sample : ic2596-1 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 06:50:24 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





Manual Integration Approval Summary

Sample Number: G8G2596-IC2596 **Method:** SW846 8081B
Lab FileID: 8G60345.D **Analyst approved:** 09/19/24 07:07 Rebecca Krug
Injection Time: 09/18/24 12:43 **Supervisor approved:** 09/24/24 10:58 Gwendolyn Burns

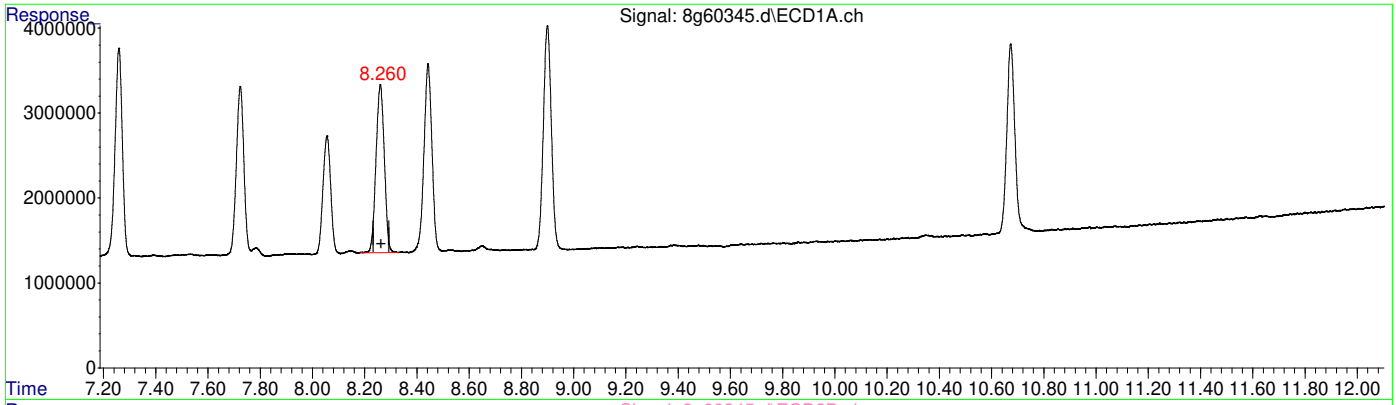
Parameter	CAS	Sig#	R.T. (min.)	Reason
Mirex	2385-85-5	2	11.03	Poorly defined baseline
Endrin ketone	53494-70-5	2	11.05	Poorly defined baseline

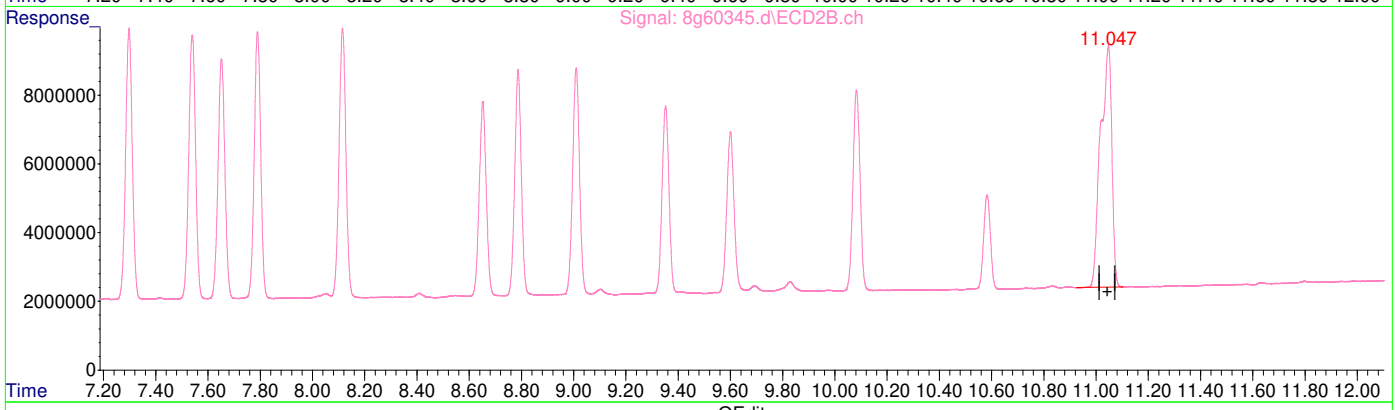
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60345.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 12:43 pm
Operator : rebeccak
Sample : ic2596-1 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:38:58 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(24) Mirex

8.260min 0.669 PPB

response 43626060

(24) Mirex #2

11.047min 1.843 PPB

response 210047171

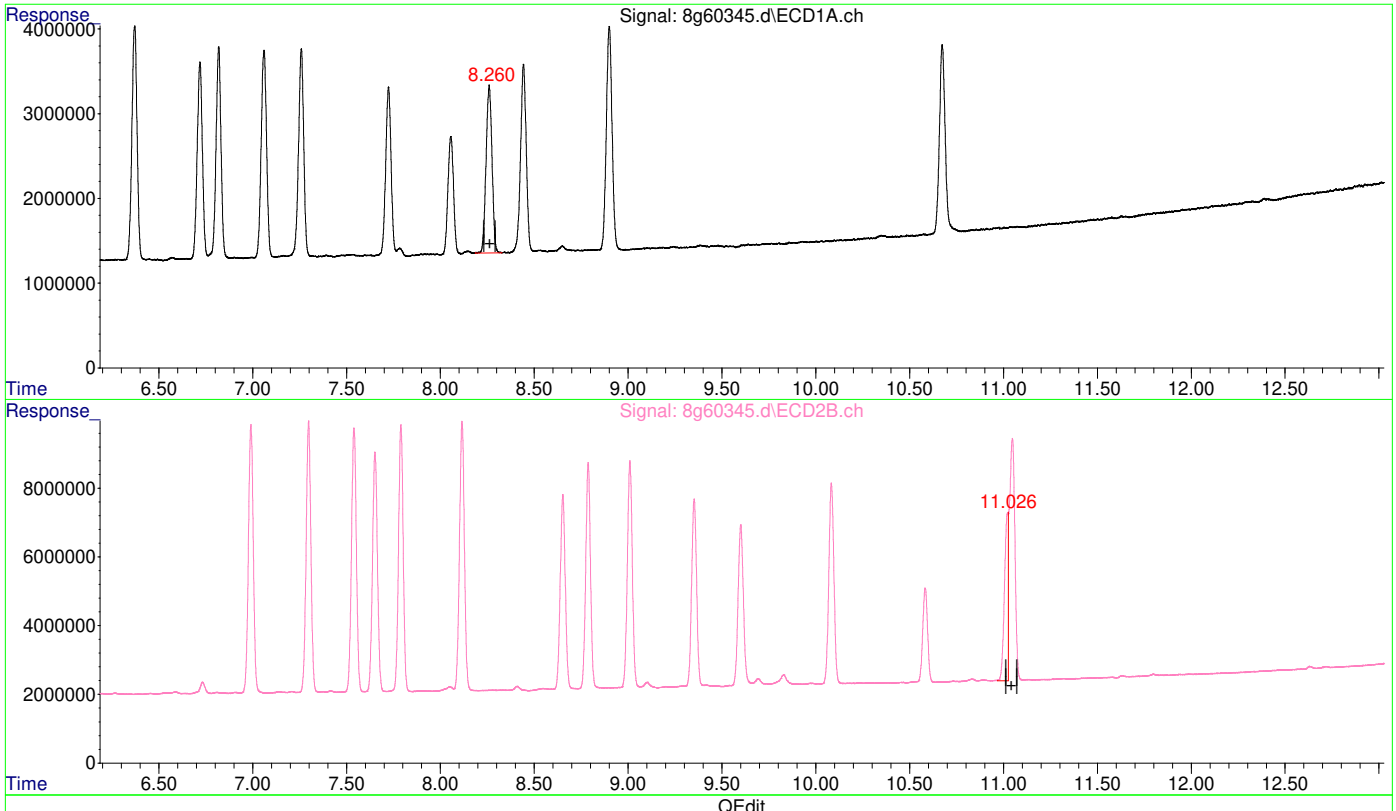
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Sep 18 20:39:39 2024

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60345.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 12:43 pm
Operator : rebeccak
Sample : ic2596-1 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:38:58 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(24) Mirex

8.260min 0.669 PPB

response 43626060

(24) Mirex #2

11.026min 0.600 PPB m

response 68391453

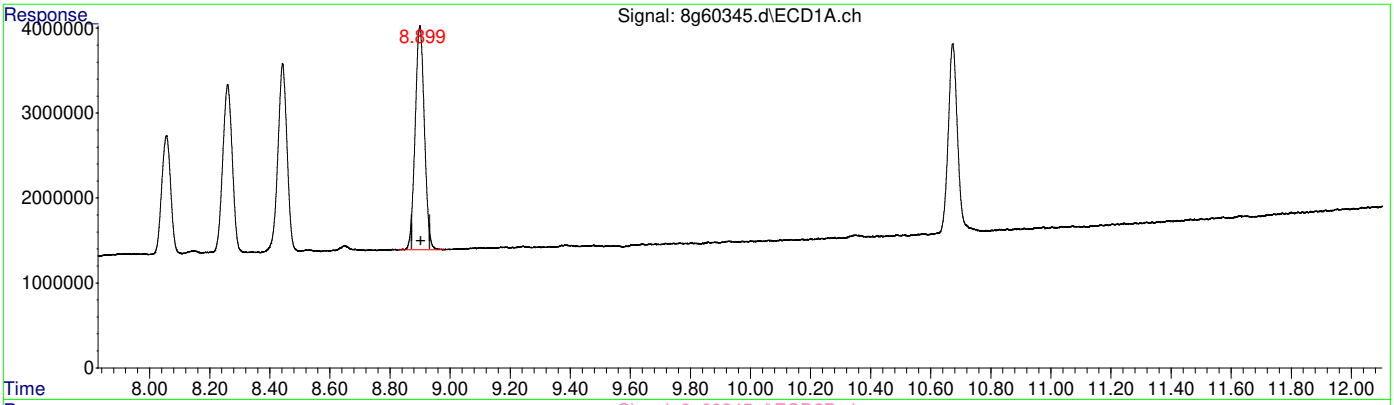
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Sep 18 20:40:10 2024

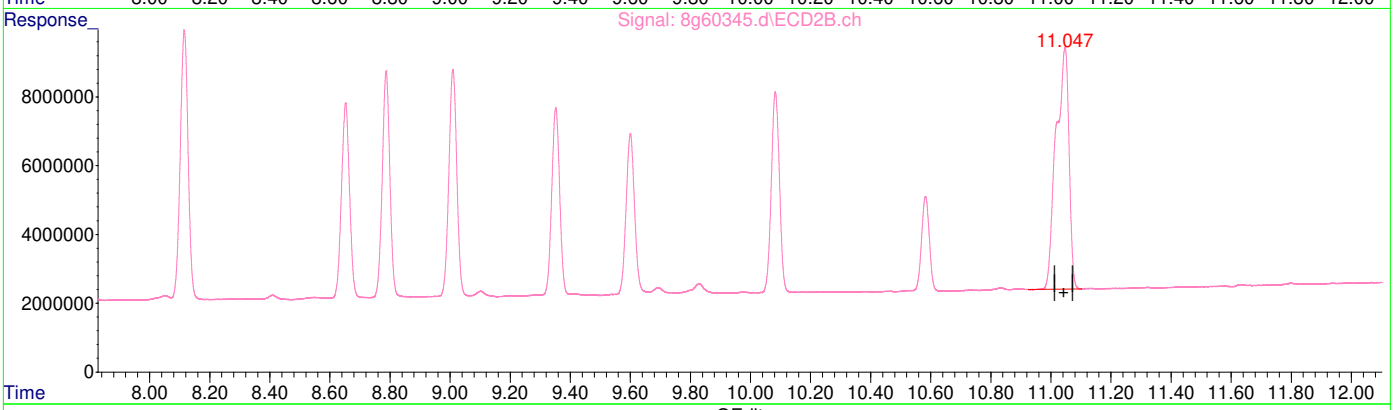
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60345.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 12:43 pm
Operator : rebeccak
Sample : ic2596-1 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:38:58 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(25) Endrin Ketone (B)

8.899min 0.522 PPB

response 56140049

(25) Endrin Ketone #2 (B)

11.047min 0.836 PPB

response 210047171

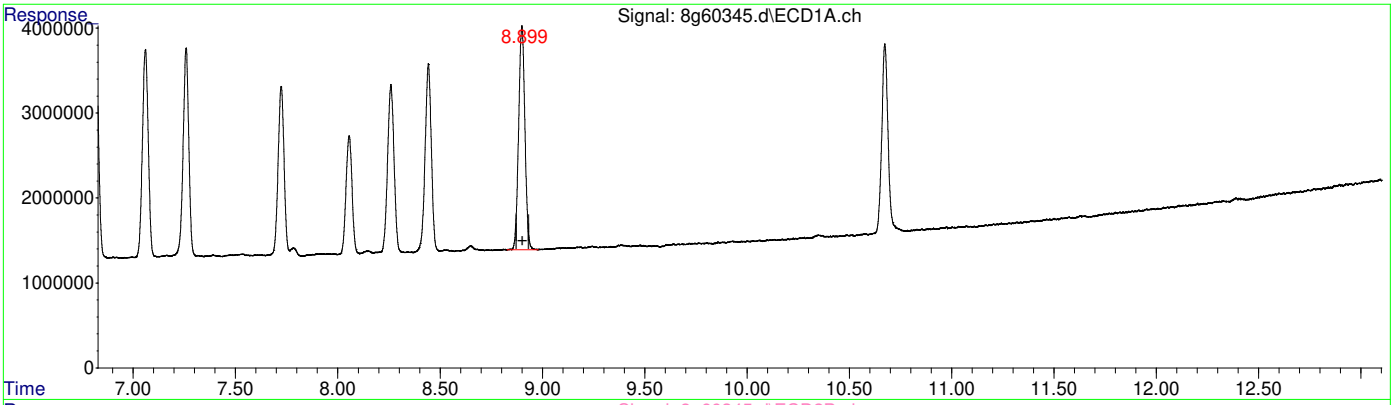
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Sep 18 20:40:17 2024

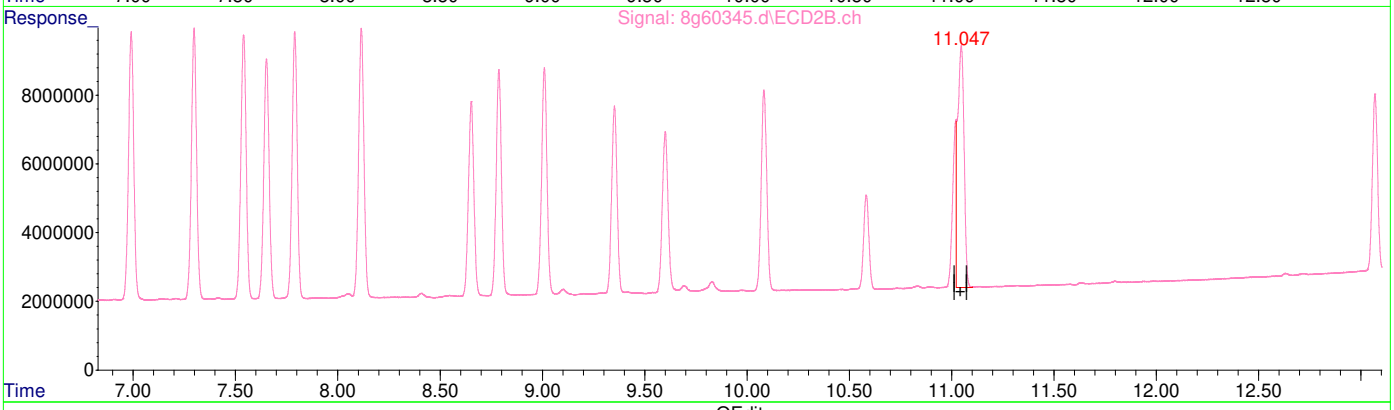
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60345.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 12:43 pm
Operator : rebeccak
Sample : ic2596-1 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:40:35 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(25) Endrin Ketone (B)

8.899min 0.522 PPB

response 56140049

(25) Endrin Ketone #2 (B)

11.047min 0.605 PPB m

response 152055884

(+) = Expected Retention Time

8PSTLVI2596a.M Thu Sep 19 06:50:34 2024 Page: 1

8G60345.D edits: Endrin Ketone

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 09/24/24 10:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60346.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 1:06 pm
Operator : rebeccak
Sample : icc2596-2.5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:38:34 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
		Internal Standards						
1)	I	1-bromo-2...	2.422	2.793	271.7E6	656.8E6	5.000	5.000
27)	I	1-bromo-2...	2.422	2.793	271.7E6	656.8E6	5.000	5.000
33)	I	1-bromo-2...	2.422	2.793	271.7E6	656.8E6	5.000	5.000
		System Monitoring Compounds						
2)	SAB	Tetrachlo...	2.972	3.682	132.3E6	403.5E6	2.238	2.347
		Spiked Amount 40.000	Range 30 - 150		Recovery =		5.59%#	5.87%#
26)	SA	Decachlor...	10.675	13.068	124.1E6	234.0E6	2.133	2.373
		Spiked Amount 40.000			Recovery =		5.33%	5.93%
		Target Compounds						
3)		hexachlor...	3.316	4.262	204.3E6	403.9E6	2.013	2.055
4)	A	alpha-BHC	3.469	4.429	191.5E6	501.1E6	1.714	1.629
5)	MA	gamma-BHC	3.787	4.917	174.3E6	438.0E6	1.695	1.800
6)	MA	Heptachlor	4.325	5.586	174.0E6	379.9E6	1.735	1.831
7)	B	beta-BHC	3.862	4.994	79255645	209.8E6	1.571	1.614
8)	B	delta-BHC	4.066	5.447	173.0E6	416.7E6	1.565	1.642
9)	MB	Aldrin	4.693	6.099	157.5E6	401.9E6	1.706	1.822
10)		alachlor	4.841	5.839	24049868	60983331	2.055	2.241
11)	B	Heptachlo...	5.471	6.991	152.7E6	373.3E6	1.620	1.763
12)	B	gamma-Chl...	5.643	7.298	154.6E6	371.5E6	1.689	1.781
13)	B	alpha-Chl...	5.827	7.540	153.4E6	368.5E6	1.687	1.778
14)	A	Endosulfan I	6.027	7.653	141.3E6	340.2E6	1.665	1.762
15)	B	4,4'-DDE	5.929	7.789	156.5E6	361.0E6	1.644	1.719
16)	MA	Dieldrin	6.372	8.116	152.0E6	386.4E6	1.739	1.678
17)	MA	Endrin	6.720	8.652	120.7E6	273.8E6	1.931	1.968
18)	A	4,4'-DDD	6.821	8.787	126.3E6	301.7E6	1.145	1.180
19)	B	Endosulfa...	7.060	9.010	135.4E6	322.4E6	1.656	1.769
20)	MA	4,4'-DDT	7.259	9.352	130.5E6	267.8E6	1.822	1.982
21)	B	Endrin Al...	7.725	9.600	107.2E6	238.9E6	1.537	1.613
22)	B	Endosulfa...	8.443	10.083	122.8E6	288.1E6	1.579	1.715
23)	A	Methoxychlor	8.056	10.583	74297483	129.7E6	1.837	2.009
24)		Mirex	8.259	11.029	112.5E6	205.8E6	1.939	2.032m
25)	B	Endrin Ke...	8.899	11.046	154.1E6	375.7E6	1.610	1.682m
		SemiQuant Compounds - Not Calibrated on this Instrument						

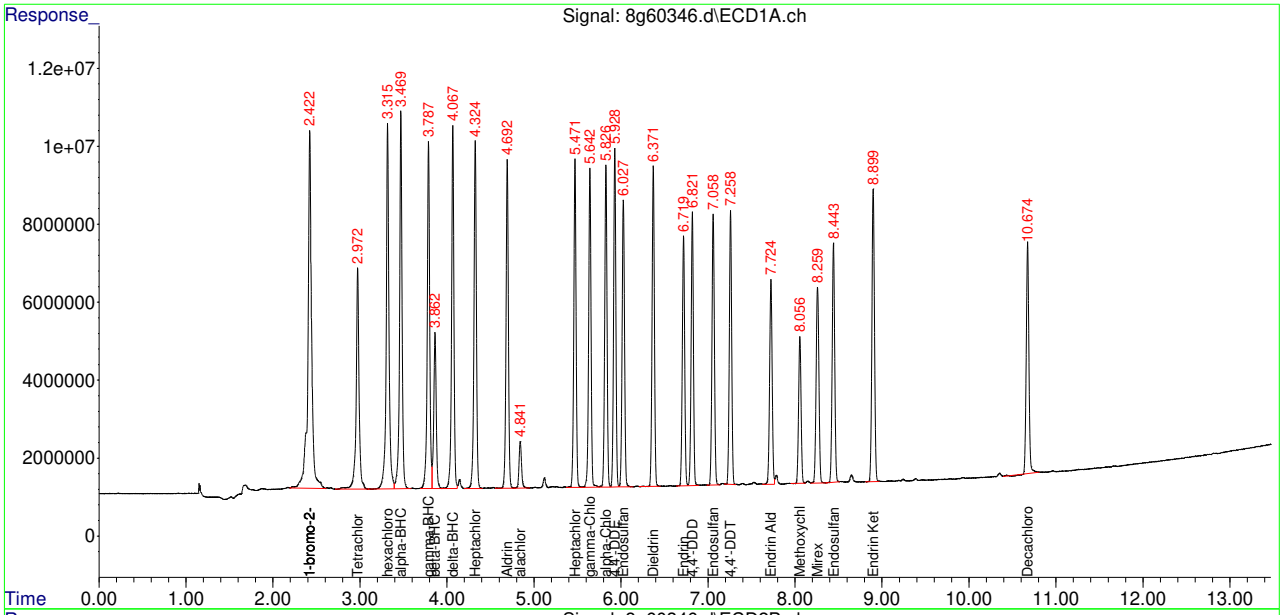
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

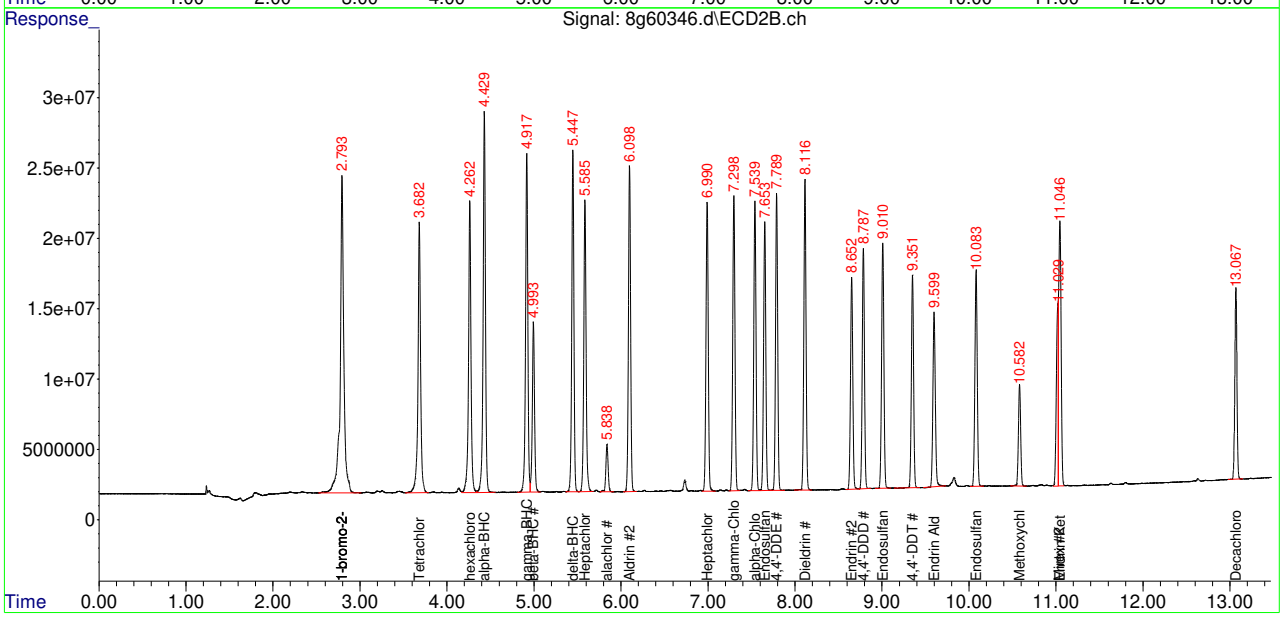
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60346.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 1:06 pm
Operator : rebeccak
Sample : icc2596-2.5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:38:34 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





Manual Integration Approval Summary

Sample Number: G8G2596-ICC2596 **Method:** SW846 8081B
Lab FileID: 8G60346.D **Analyst approved:** 09/19/24 07:07 Rebecca Krug
Injection Time: 09/18/24 13:06 **Supervisor approved:** 09/24/24 10:58 Gwendolyn Burns

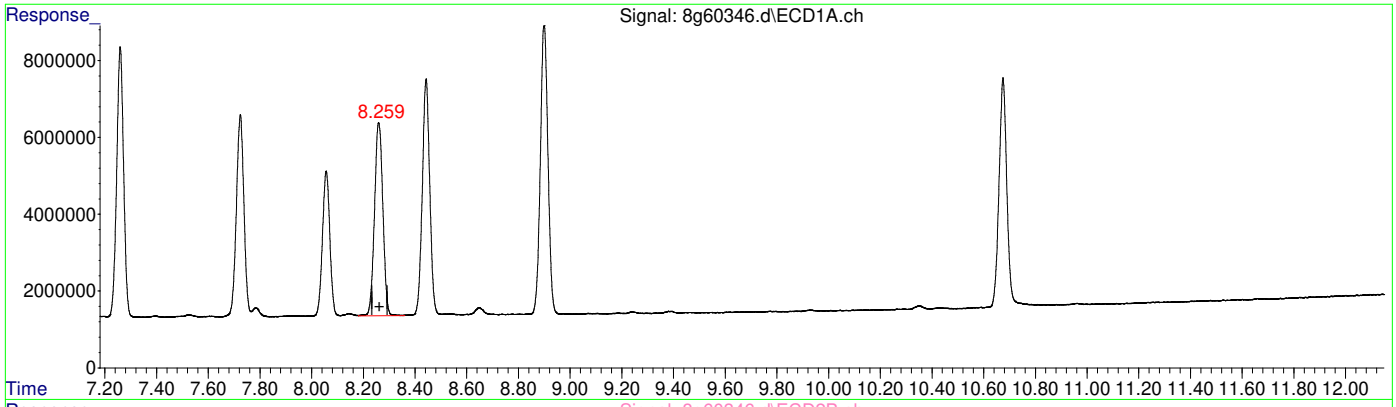
Parameter	CAS	Sig#	R.T. (min.)	Reason
Mirex	2385-85-5	2	11.03	Poorly defined baseline
Endrin ketone	53494-70-5	2	11.05	Poorly defined baseline

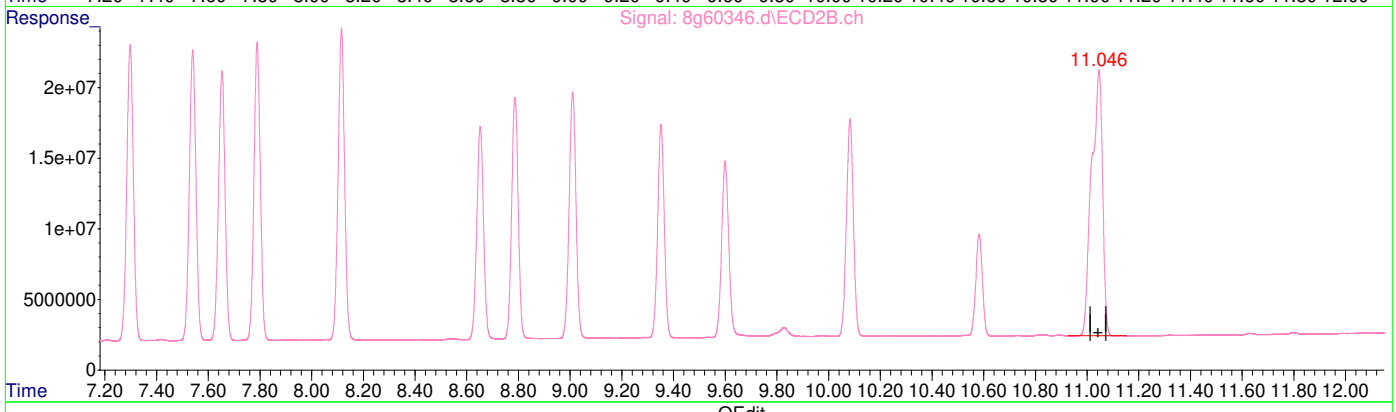
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60346.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 1:06 pm
Operator : rebeccak
Sample : icc2596-2.5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:37:07 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(24) Mirex

8.259min 1.939 PPB

response 112528900

(24) Mirex #2

11.046min 5.500 PPB

response 557048927

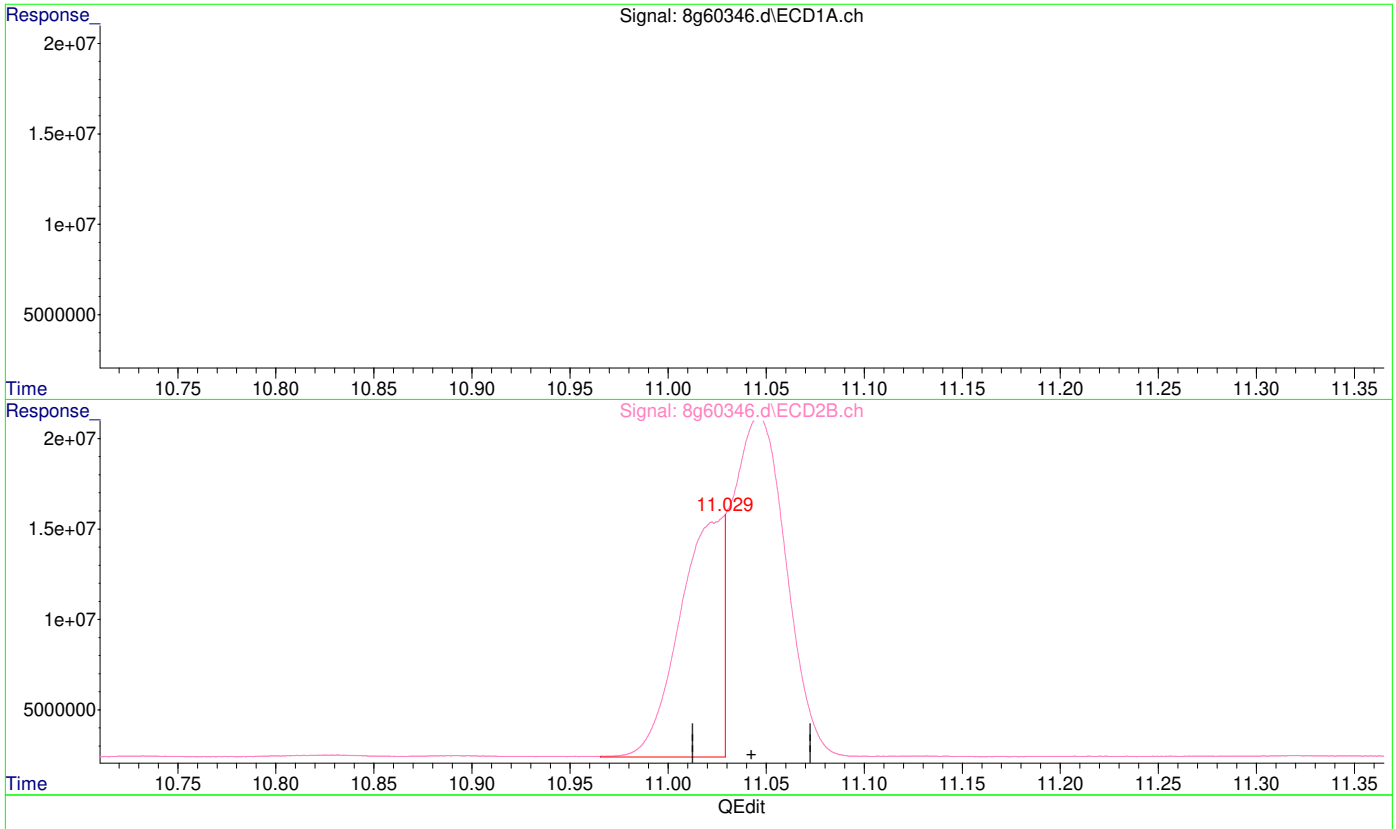
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Sep 18 20:37:39 2024

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60346.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 1:06 pm
Operator : rebeccak
Sample : icc2596-2.5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:37:07 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(24) Mirex

8.259min 1.939 PPB

response 112528900

(24) Mirex #2

11.029min 2.032 PPB m

response 205794987

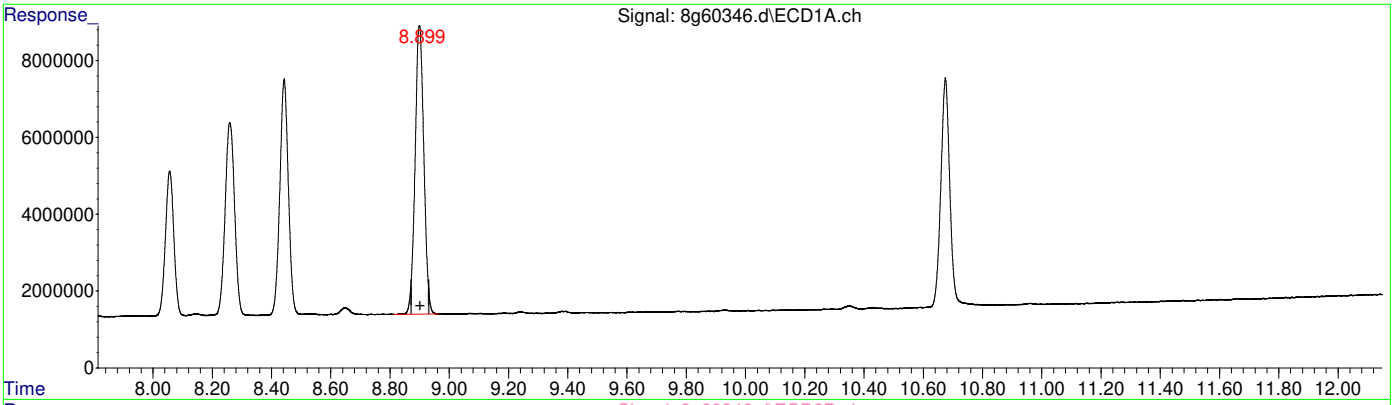
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Sep 18 20:37:54 2024

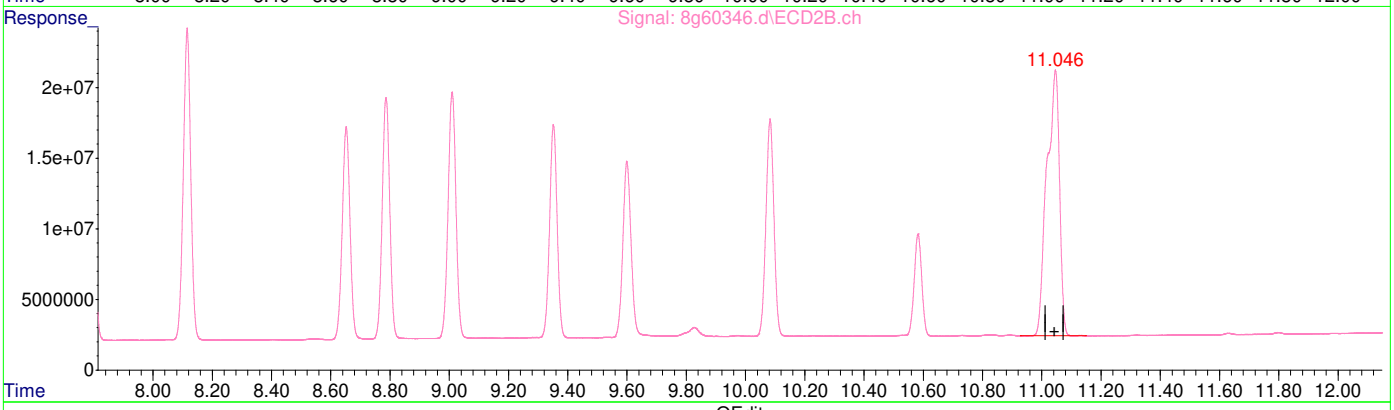
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60346.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 1:06 pm
Operator : rebeccak
Sample : icc2596-2.5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:37:07 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(25) Endrin Ketone (B)

8.899min 1.610 PPB

response 154138069

(25) Endrin Ketone #2 (B)

11.046min 2.493 PPB

response 557048927

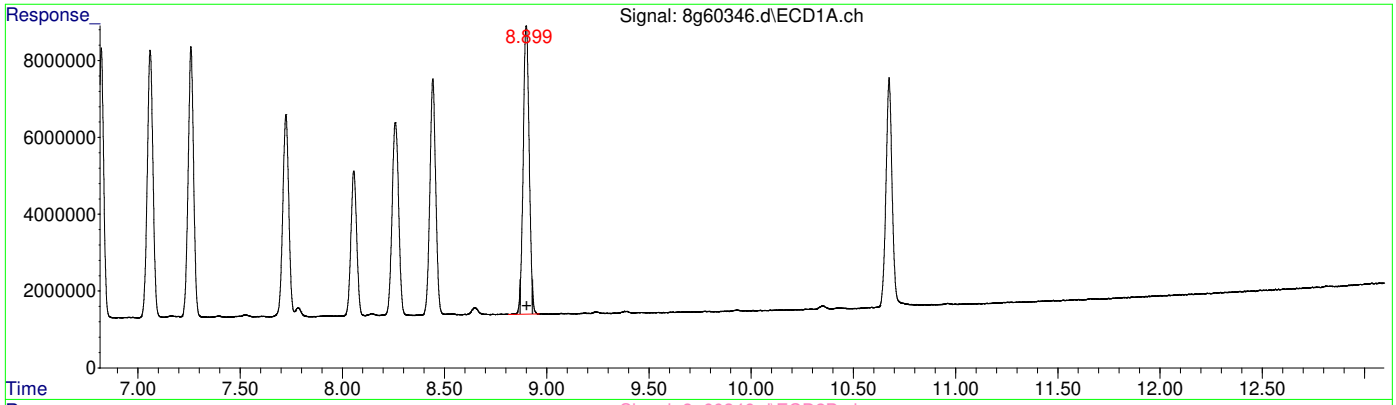
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Sep 18 20:38:01 2024

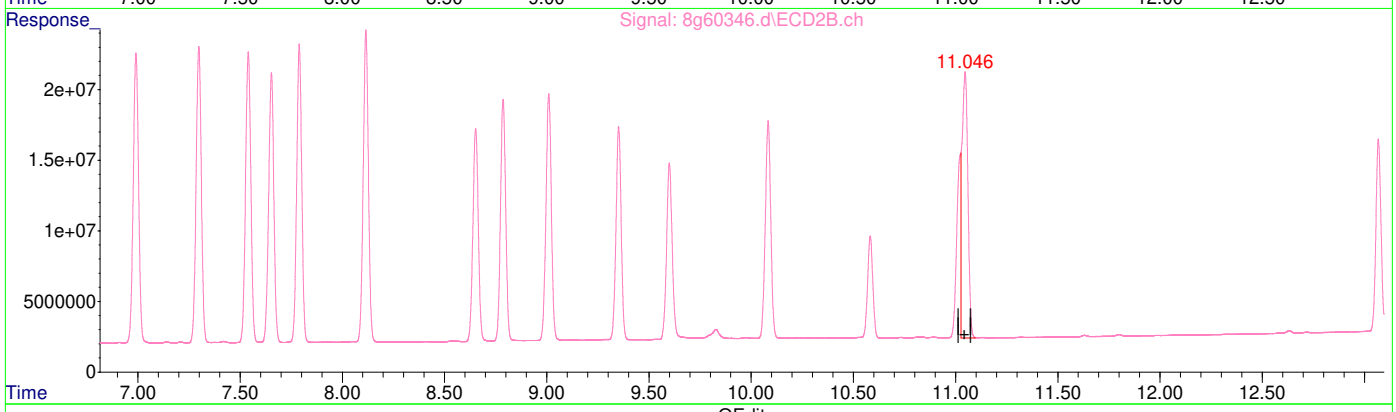
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60346.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 1:06 pm
Operator : rebeccak
Sample : icc2596-2.5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:37:07 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(25) Endrin Ketone (B)

8.899min 1.610 PPB

response 154138069

(25) Endrin Ketone #2 (B)

11.046min 1.682 PPB m

response 375702399

(+) = Expected Retention Time
8PSTLVI2596a.M Wed Sep 18 20:38:20 2024

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 09/24/24 10:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60347.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 1:29 pm
Operator : rebeccak
Sample : ic2596-5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:33:19 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
		Internal Standards						
1)	I	1-bromo-2...	2.423	2.794	273.6E6	655.0E6	5.000	5.000
27)	I	1-bromo-2...	2.423	2.794	273.6E6	655.0E6	5.000	5.000
33)	I	1-bromo-2...	2.423	2.794	273.6E6	655.0E6	5.000	5.000
		System Monitoring Compounds						
2)	SAB	Tetrachlo...	2.973	3.682	268.7E6	787.2E6	4.516	4.593
		Spiked Amount 40.000	Range 30 - 150		Recovery =		11.29%#	11.48%#
26)	SA	Decachlor...	10.673	13.068	249.4E6	460.0E6	4.258	4.678
		Spiked Amount 40.000			Recovery =		10.65%	11.70%
		Target Compounds						
3)		hexachlor...	3.317	4.261	411.2E6	780.7E6	4.022	3.983
4)	A	alpha-BHC	3.470	4.429	419.1E6	1013.8E6	3.725	3.304
5)	MA	gamma-BHC	3.788	4.916	376.8E6	871.9E6	3.639	3.593
6)	MA	Heptachlor	4.325	5.585	364.7E6	761.2E6	3.611	3.678
7)	B	beta-BHC	3.863	4.993	160.8E6	407.1E6	3.165	3.140
8)	B	delta-BHC	4.067	5.446	381.7E6	853.7E6	3.428	3.374
9)	MB	Aldrin	4.692	6.098	336.3E6	802.6E6	3.619	3.648
10)		alachlor	4.842	5.839	44724173	110.3E6	3.795	4.063
11)	B	Heptachlo...	5.471	6.989	316.5E6	748.6E6	3.336	3.544
12)	B	gamma-Chl...	5.643	7.297	326.7E6	752.6E6	3.544	3.618
13)	B	alpha-Chl...	5.827	7.539	321.0E6	739.5E6	3.505	3.577
14)	A	Endosulfan I	6.027	7.651	293.8E6	680.9E6	3.439	3.537
15)	B	4,4'-DDE	5.928	7.790	329.8E6	721.3E6	3.440	3.446
16)	MA	Dieldrin	6.371	8.115	324.0E6	773.4E6	3.681	3.368
17)	MA	Endrin	6.719	8.652	256.6E6	557.5E6	4.079	4.019
18)	A	4,4'-DDD	6.820	8.786	266.4E6	603.5E6	2.399	2.368
19)	B	Endosulfa...	7.060	9.009	281.0E6	647.5E6	3.414	3.564
20)	MA	4,4'-DDT	7.259	9.351	279.8E6	548.2E6	3.879	4.068
21)	B	Endrin Al...	7.724	9.599	215.9E6	468.6E6	3.073	3.172
22)	B	Endosulfa...	8.443	10.082	254.1E6	576.0E6	3.247	3.438
23)	A	Methoxychlor	8.057	10.582	147.6E6	256.3E6	3.625	3.984
24)		Mirex	8.260	11.031	221.2E6	443.6E6	3.784	4.391m
25)	B	Endrin Ke...	8.900	11.046	316.0E6	762.5E6	3.277	3.422m

SemiQuant Compounds - Not Calibrated on this Instrument

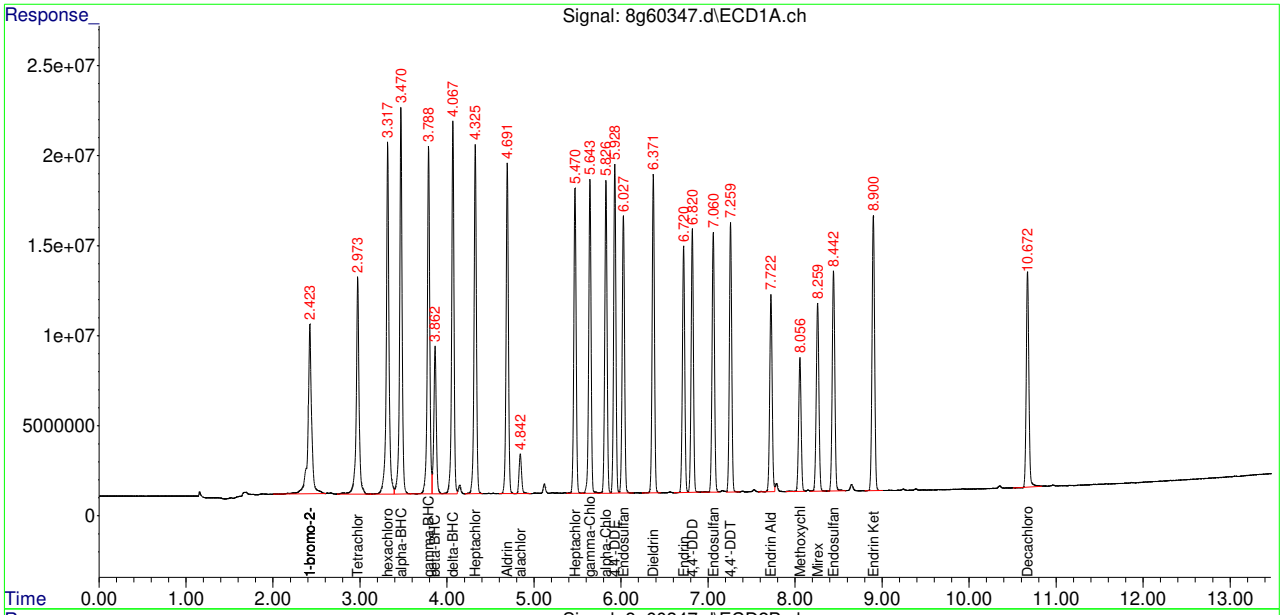
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

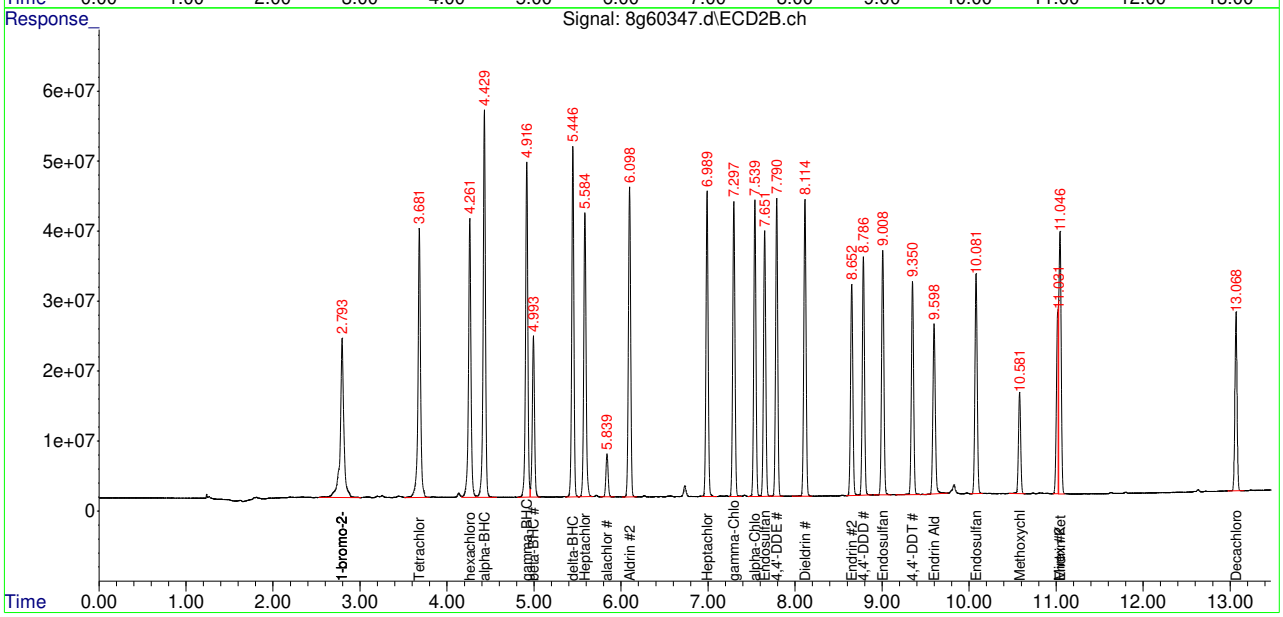
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60347.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 1:29 pm
Operator : rebeccak
Sample : ic2596-5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:33:19 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





Manual Integration Approval Summary

Sample Number: G8G2596-IC2596 **Method:** SW846 8081B
Lab FileID: 8G60347.D **Analyst approved:** 09/19/24 07:07 Rebecca Krug
Injection Time: 09/18/24 13:29 **Supervisor approved:** 09/24/24 10:58 Gwendolyn Burns

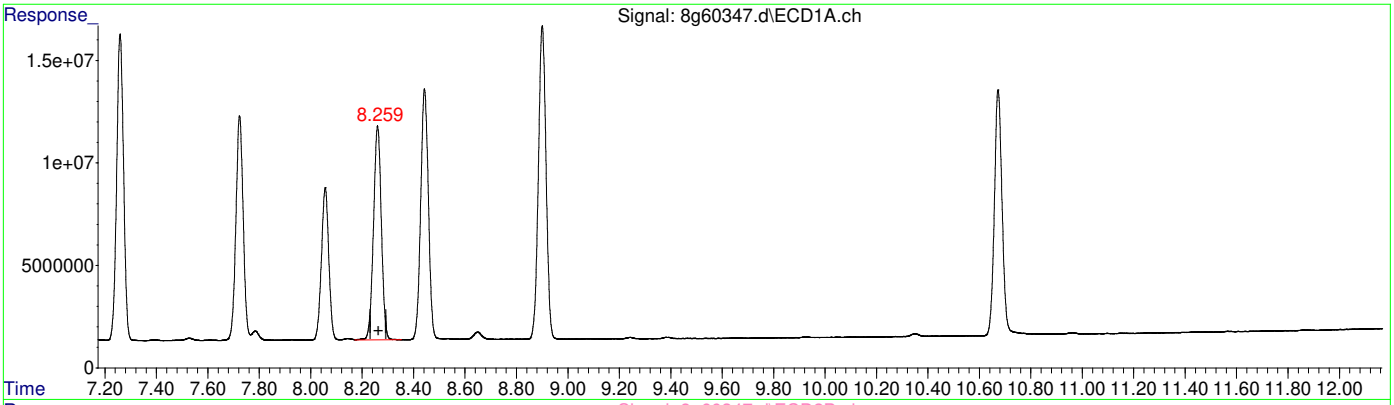
Parameter	CAS	Sig#	R.T. (min.)	Reason
Mirex	2385-85-5	2	11.03	Poorly defined baseline
Endrin ketone	53494-70-5	2	11.05	Poorly defined baseline

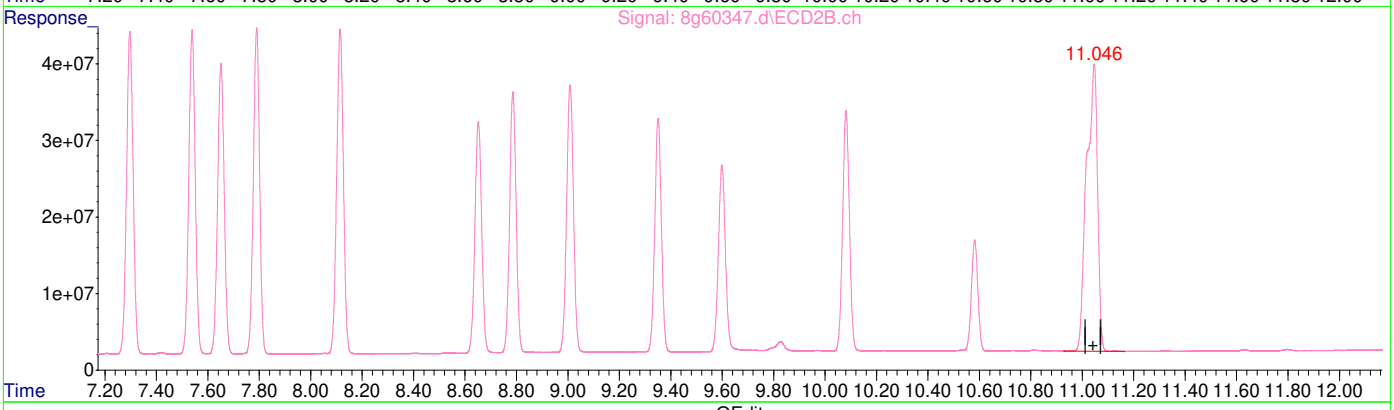
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60347.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 1:29 pm
Operator : rebeccak
Sample : ic2596-5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:25:29 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(24) Mirex

8.260min 3.784 PPB

response 221210108

(24) Mirex #2

11.046min 10.972 PPB

response 1108218594

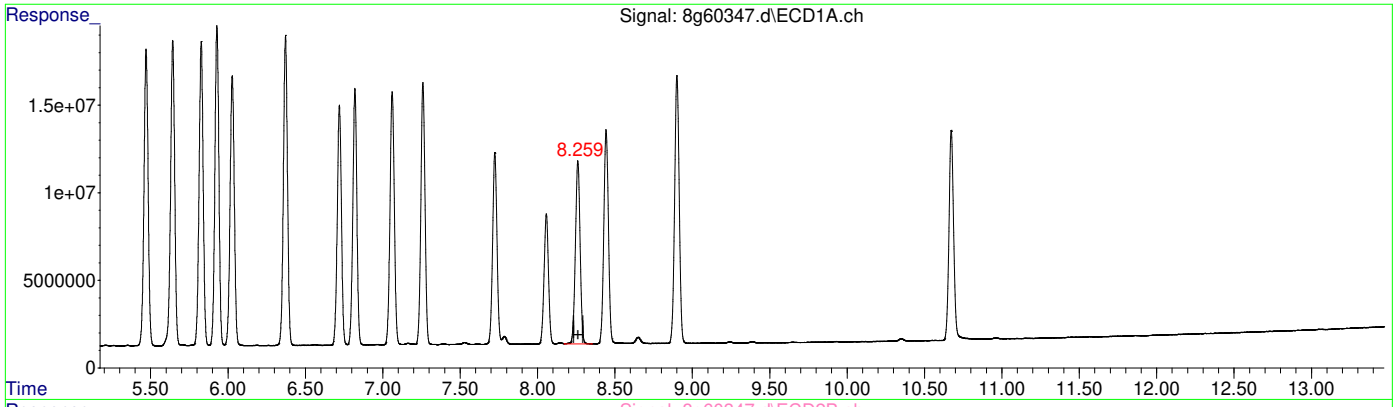
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Sep 18 20:32:06 2024

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60347.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 1:29 pm
Operator : rebeccak
Sample : ic2596-5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:25:29 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(24) Mirex

8.260min 3.784 PPB

response 221210108

(24) Mirex #2

11.031min 4.391 PPB m

response 443550806

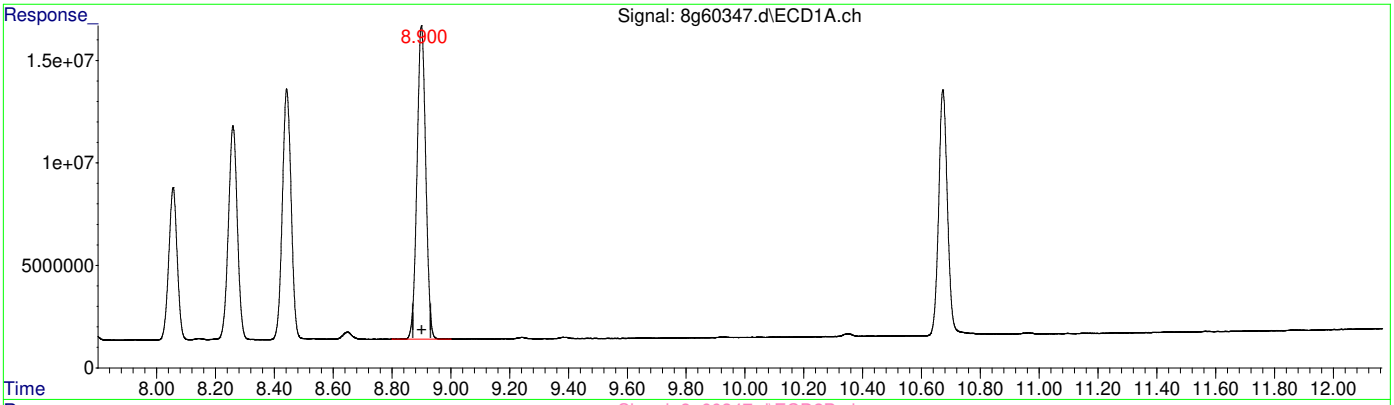
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Sep 18 20:32:46 2024

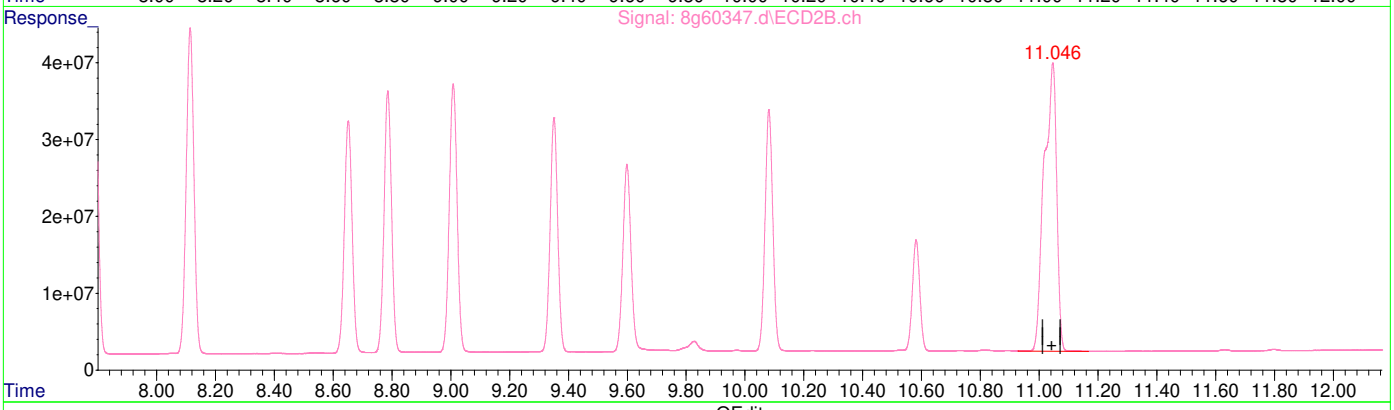
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60347.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 1:29 pm
Operator : rebeccak
Sample : ic2596-5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:25:29 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(25) Endrin Ketone (B)

8.900min 3.277 PPB

response 315975451

(25) Endrin Ketone #2 (B)

11.046min 4.974 PPB

response 1108218594

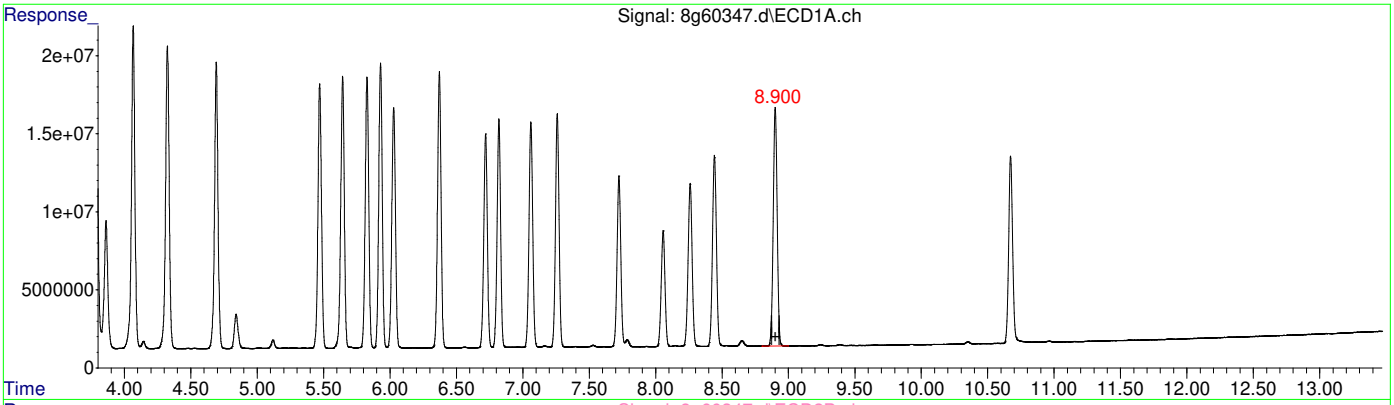
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Sep 18 20:32:50 2024

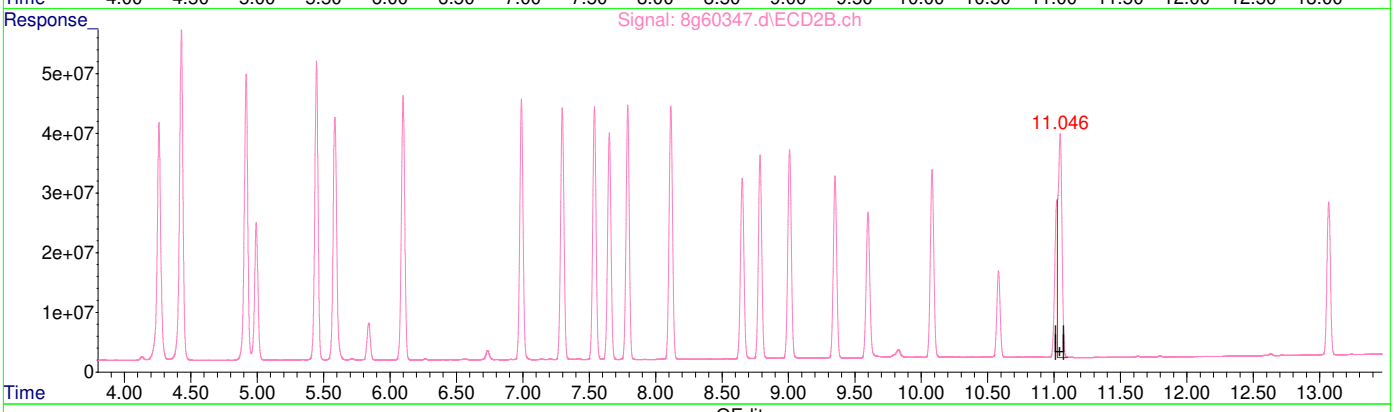
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60347.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 1:29 pm
Operator : rebeccak
Sample : ic2596-5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:25:29 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(25) Endrin Ketone (B)

8.900min 3.277 PPB

response 315975451

(25) Endrin Ketone #2 (B)

11.046min 3.422 PPB m

response 762462187

(+) = Expected Retention Time
8PSTLVI2596a.M Wed Sep 18 20:33:25 2024

8G60348.D

Manual Integrations APPROVED (compounds with "m" flag)

Gwendolyn Burns 09/24/24 10:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60348.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 1:51 pm
Operator : rebeccak
Sample : ic2596-7.5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 06:54:41 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
		Internal Standards						
1)	I	1-bromo-2...	2.424	2.794	243.9E6	636.5E6	5.000	5.000
27)	I	1-bromo-2...	2.424	2.794	243.9E6	636.5E6	5.000	5.000
33)	I	1-bromo-2...	2.424	2.794	243.9E6	636.5E6	5.000	5.000
		System Monitoring Compounds						
2)	SAB	Tetrachlo...	2.973	3.682	406.2E6	1155.7E6	7.658	6.938
		Spiked Amount 40.000	Range 30 - 150		Recovery =		19.15%#	17.34%#
26)	SA	Decachlor...	10.674	13.068	378.6E6	677.3E6	7.253	7.088
		Spiked Amount 40.000			Recovery =		18.13%	17.72%
		Target Compounds						
3)		hexachlor...	3.318	4.261	615.3E6	1144.9E6	6.752	6.011
4)	A	alpha-BHC	3.470	4.429	648.6E6	1492.5E6	6.467	5.005
5)	MA	gamma-BHC	3.788	4.916	579.8E6	1289.8E6	6.281	5.470
6)	MA	Heptachlor	4.325	5.585	554.7E6	1125.0E6	6.161	5.594
7)	B	beta-BHC	3.863	4.994	240.9E6	598.9E6	5.320	4.754
8)	B	delta-BHC	4.068	5.447	591.5E6	1263.2E6	5.960	5.137
9)	MB	Aldrin	4.693	6.097	516.1E6	1181.9E6	6.230	5.529
10)		alachlor	4.842	5.838	63879681	158.0E6	6.081	5.989
11)	B	Heptachlo...	5.472	6.990	479.0E6	1094.9E6	5.664	5.335
12)	B	gamma-Chl...	5.643	7.297	494.1E6	1112.0E6	6.013	5.501
13)	B	alpha-Chl...	5.827	7.538	489.9E6	1091.8E6	6.000	5.435
14)	A	Endosulfan I	6.028	7.651	445.1E6	1005.8E6	5.844	5.377
15)	B	4,4'-DDE	5.929	7.789	505.5E6	1069.1E6	5.916	5.255
16)	MA	Dieldrin	6.372	8.114	494.9E6	1144.9E6	6.309	5.131
17)	MA	Endrin	6.720	8.651	394.0E6	828.0E6	7.026	6.143
18)	A	4,4'-DDD	6.819	8.786	409.2E6	885.2E6	4.134	3.574
19)	B	Endosulfa...	7.060	9.008	426.3E6	954.6E6	5.811	5.406
20)	MA	4,4'-DDT	7.259	9.351	430.9E6	818.3E6	6.702	6.249
21)	B	Endrin Al...	7.723	9.598	322.8E6	700.3E6	5.155	4.878
22)	B	Endosulfa...	8.444	10.082	385.6E6	848.9E6	5.528	5.214
23)	A	Methoxychlor	8.056	10.580	218.1E6	377.0E6	6.008	6.029
24)		Mirex	8.260	11.024f	328.9E6	514.4E6	6.313	5.241m
25)	B	Endrin Ke...	8.901	11.046	477.2E6	1155.5E6	5.552	5.337m
		SemiQuant Compounds - Not Calibrated on this Instrument						

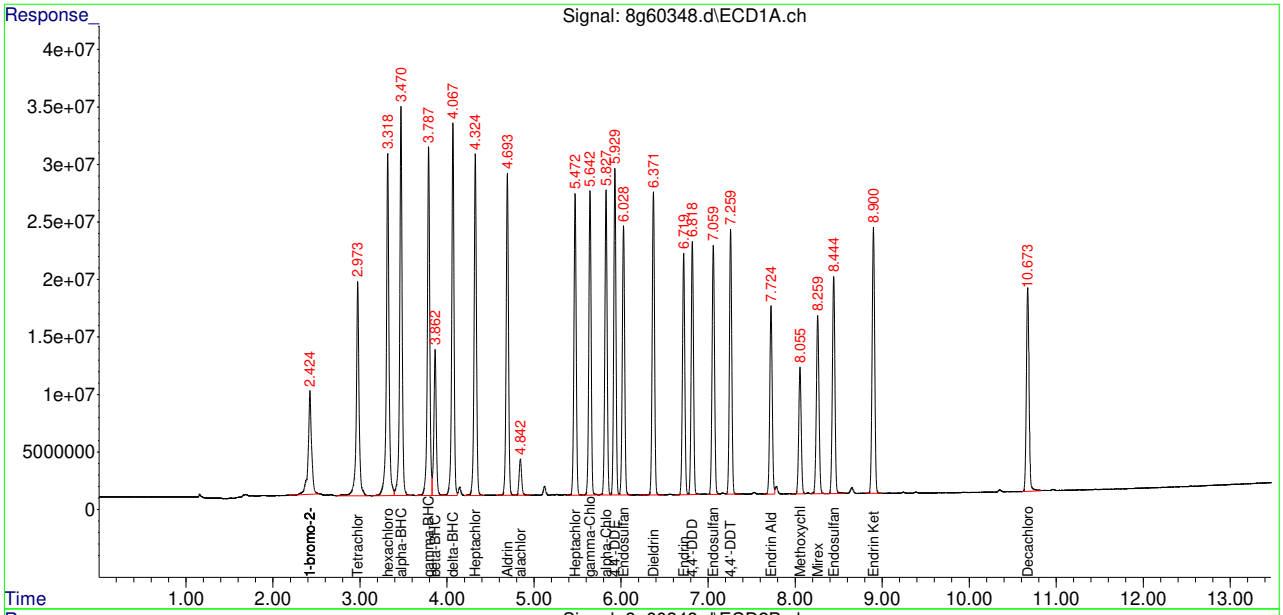
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

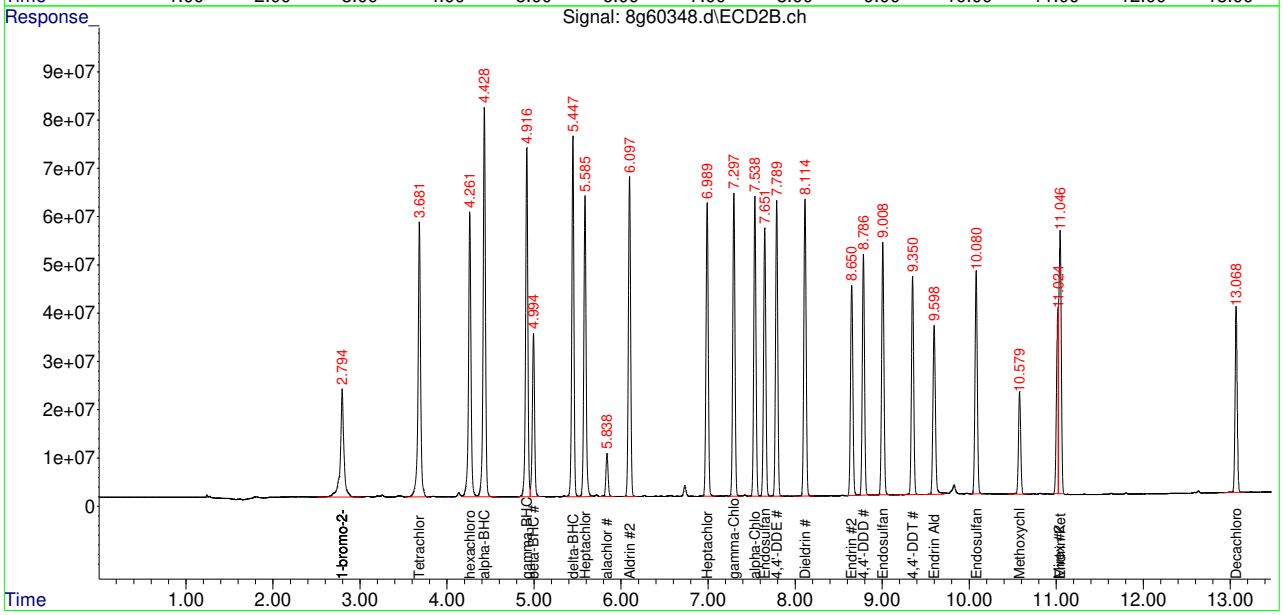
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60348.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 1:51 pm
Operator : rebeccak
Sample : ic2596-7.5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 06:54:41 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





Manual Integration Approval Summary

Sample Number: G8G2596-IC2596
Lab FileID: 8G60348.D
Injection Time: 09/18/24 13:51
Method: SW846 8081B
Analyst approved: 09/19/24 07:07 Rebecca Krug
Supervisor approved: 09/24/24 10:58 Gwendolyn Burns

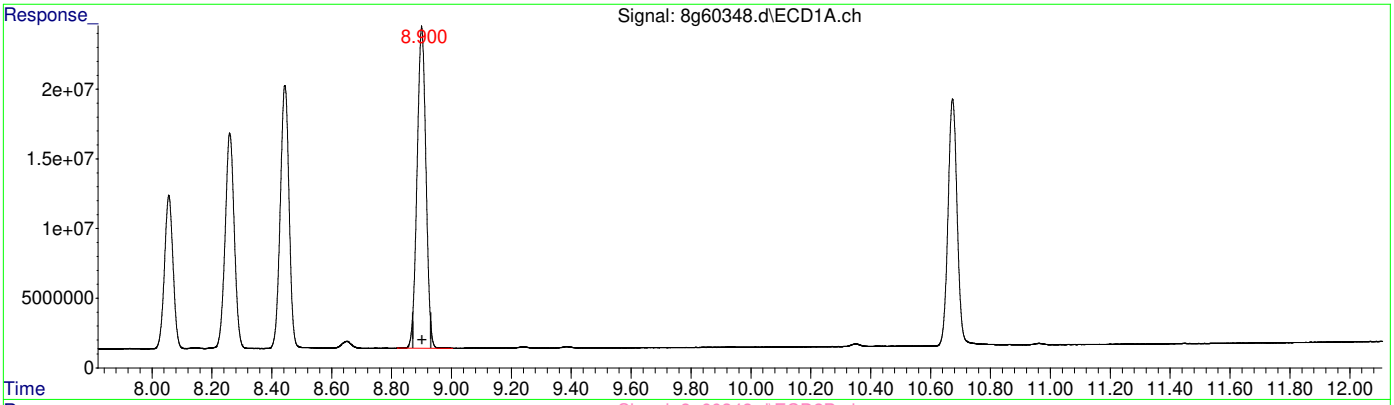
Parameter	CAS	Sig#	R.T. (min.)	Reason
Mirex	2385-85-5	2	11.02	Poorly defined baseline
Endrin ketone	53494-70-5	2	11.05	Poorly defined baseline

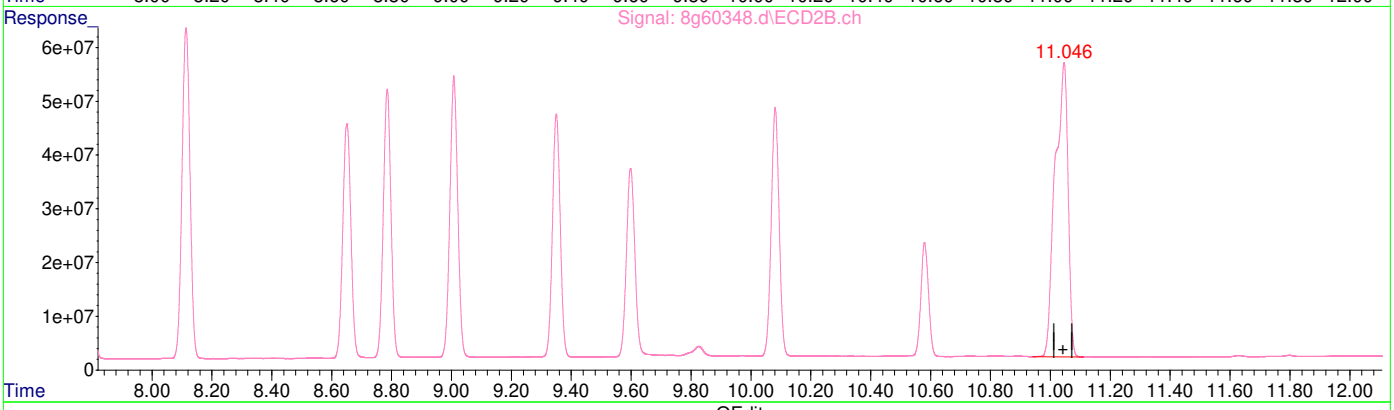
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60348.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 1:51 pm
Operator : rebeccak
Sample : ic2596-7.5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:34:08 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(25) Endrin Ketone (B)

8.901min 5.552 PPB

response 477180499

(25) Endrin Ketone #2 (B)

11.046min 7.578 PPB

response 1640565645

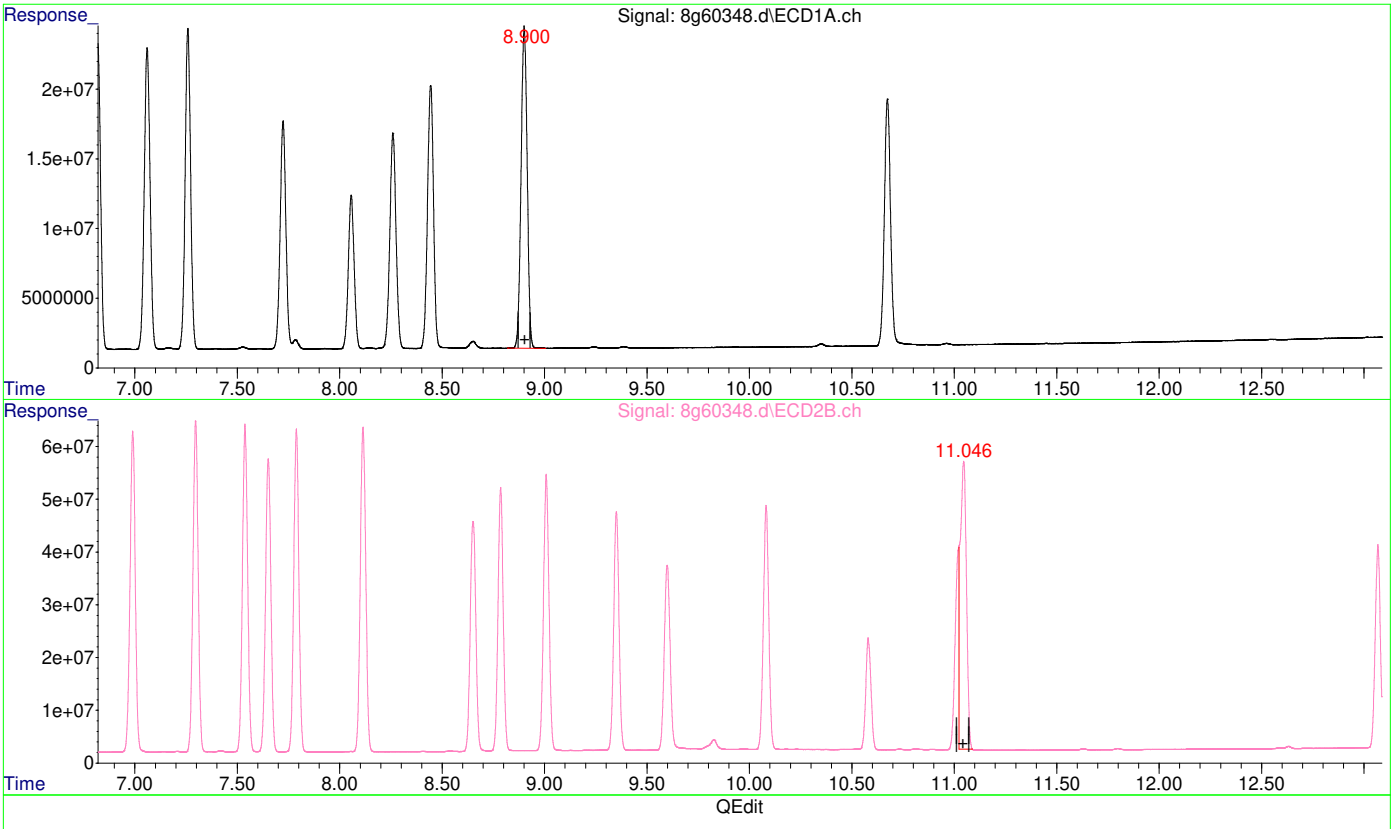
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Sep 19 06:54:14 2024

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60348.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 1:51 pm
Operator : rebeccak
Sample : ic2596-7.5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:34:08 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(25) Endrin Ketone (B)

8.901min 5.552 PPB

response 477180499

(25) Endrin Ketone #2 (B)

11.046min 5.337 PPB m

response 1155504983

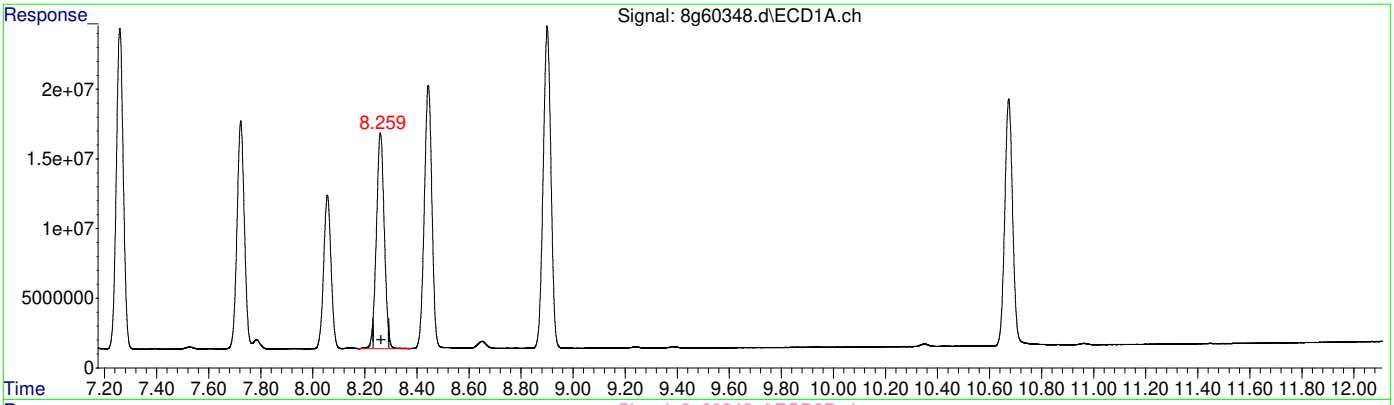
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Sep 19 06:54:29 2024

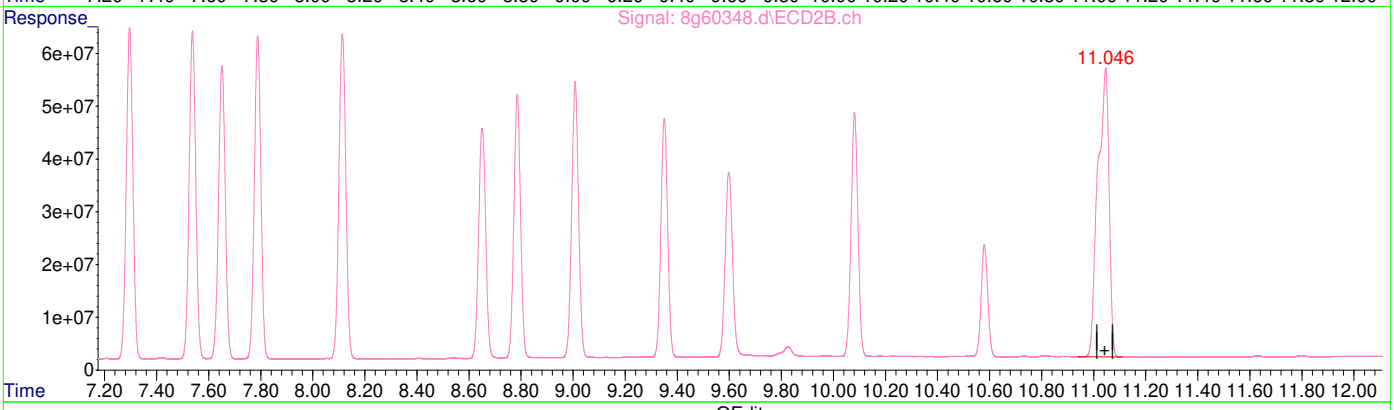
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60348.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 1:51 pm
Operator : rebeccak
Sample : ic2596-7.5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:34:08 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(24) Mirex

8.260min 6.313 PPB

response 328936707

(24) Mirex #2

11.046min 16.715 PPB

response 1640565645

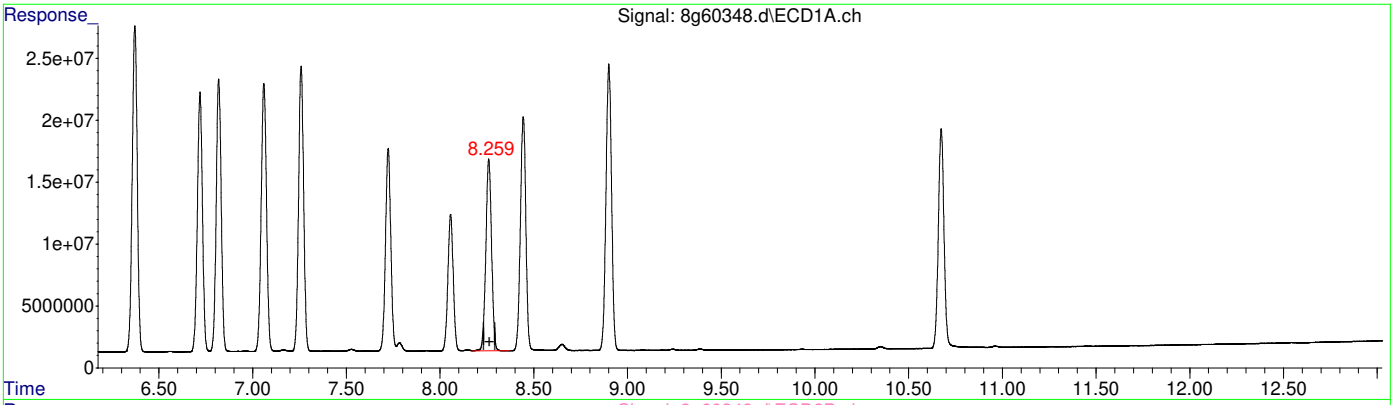
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Sep 19 06:54:33 2024

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60348.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 1:51 pm
Operator : rebeccak
Sample : ic2596-7.5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:34:08 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(24) Mirex

8.260min 6.313 PPB

response 328936707

(24) Mirex #2

11.024min 5.241 PPB m

response 514404650

(+) = Expected Retention Time
8PSTLVI2596a.M Thu Sep 19 06:54:45 2024

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 09/24/24 10:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60349.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 2:14 pm
Operator : rebeccak
Sample : ic2596-10 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:36:27 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
		Internal Standards						
1)	I	1-bromo-2...	2.422	2.792	261.9E6	642.1E6	5.000	5.000
27)	I	1-bromo-2...	2.422	2.792	261.9E6	642.1E6	5.000	5.000
33)	I	1-bromo-2...	2.422	2.792	261.9E6	642.1E6	5.000	5.000
		System Monitoring Compounds						
2)	SAB	Tetrachlo...	2.972	3.680	566.4E6	1566.9E6	9.942	9.326
		Spiked Amount 40.000	Range 30 - 150		Recovery =		24.86%#	23.32%#
26)	SA	Decachlor...	10.674	13.063	520.6E6	926.2E6	9.285	9.610
		Spiked Amount 40.000			Recovery =		23.21%	24.02%
		Target Compounds						
3)		hexachlor...	3.317	4.259	851.6E6	1546.6E6	8.699	8.051
4)	A	alpha-BHC	3.470	4.427	918.8E6	2046.1E6	8.528	6.803
5)	MA	gamma-BHC	3.788	4.914	817.1E6	1769.6E6	8.241	7.440
6)	MA	Heptachlor	4.325	5.582	770.9E6	1516.4E6	7.972	7.476
7)	B	beta-BHC	3.863	4.991	333.6E6	815.6E6	6.859	6.418
8)	B	delta-BHC	4.067	5.443	830.9E6	1720.2E6	7.795	6.936
9)	MB	Aldrin	4.693	6.094	725.0E6	1609.0E6	8.148	7.462
10)		alachlor	4.842	5.835	84941143	206.0E6	7.528	7.742
11)	B	Heptachlo...	5.471	6.986	662.6E6	1490.2E6	7.294	7.198
12)	B	gamma-Chl...	5.642	7.294	692.1E6	1512.6E6	7.841	7.418
13)	B	alpha-Chl...	5.827	7.535	686.2E6	1485.3E6	7.824	7.331
14)	A	Endosulfan I	6.027	7.647	616.8E6	1362.2E6	7.539	7.220
15)	B	4,4'-DDE	5.928	7.785	706.9E6	1449.8E6	7.701	7.066
16)	MA	Dieldrin	6.372	8.110	689.5E6	1560.7E6	8.182	6.935
17)	MA	Endrin	6.719	8.647	546.8E6	1126.9E6	9.078	8.288
18)	A	4,4'-DDD	6.819	8.782	574.2E6	1200.0E6	5.401	4.804
19)	B	Endosulfa...	7.060	9.005	591.0E6	1293.3E6	7.501	7.261
20)	MA	4,4'-DDT	7.259	9.346	603.4E6	1112.6E6	8.738	8.424
21)	B	Endrin Al...	7.724	9.594	446.0E6	954.9E6	6.632	6.594
22)	B	Endosulfa...	8.443	10.077	533.8E6	1165.9E6	7.124	7.099
23)	A	Methoxychlor	8.056	10.577	296.7E6	517.9E6	7.609	8.211
24)		Mirex	8.260	11.019f	451.7E6	704.4E6	8.070	7.115m
25)	B	Endrin Ke...	8.900	11.039	662.0E6	1556.8E6	7.171	7.129m

SemiQuant Compounds - Not Calibrated on this Instrument

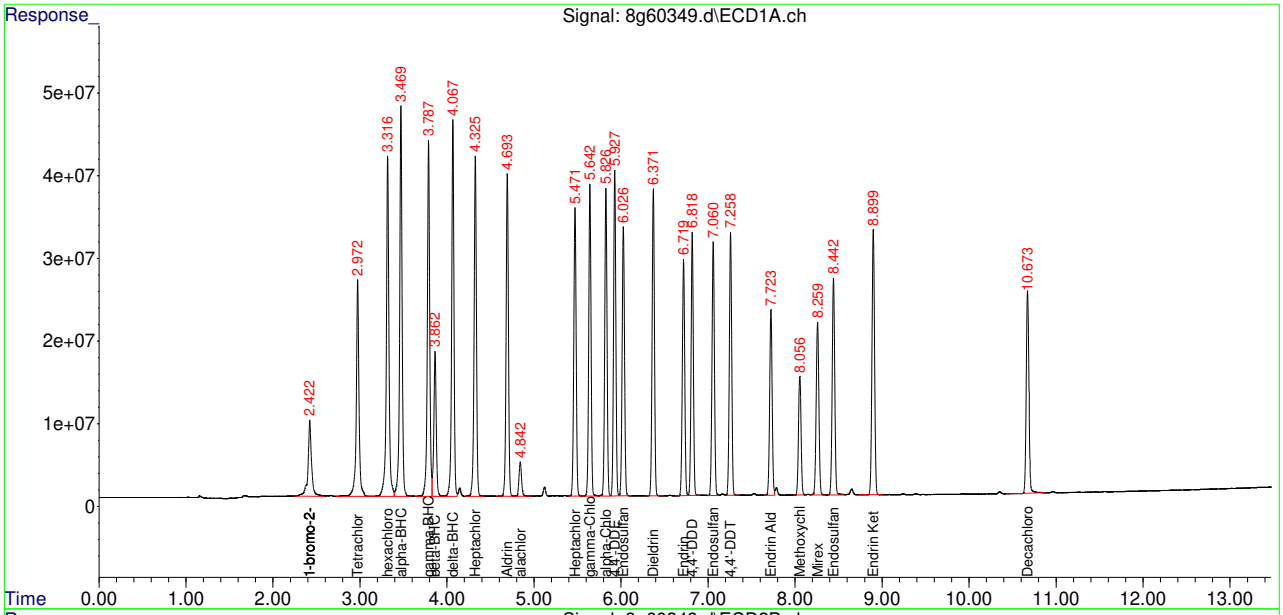
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

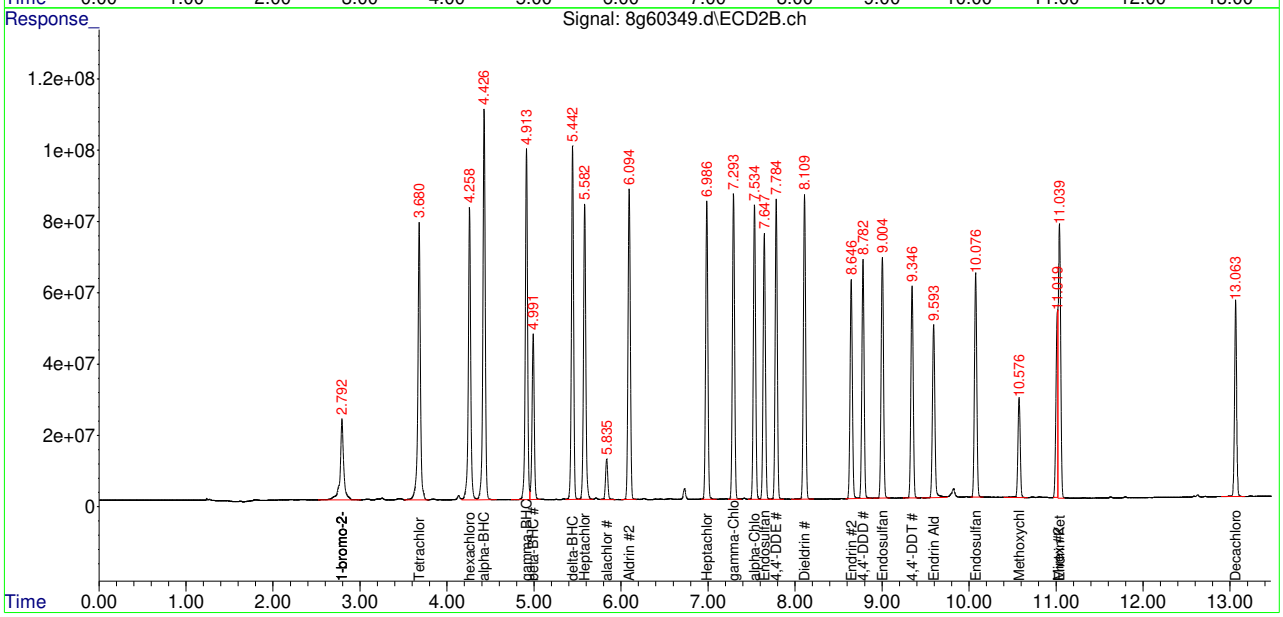
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60349.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 2:14 pm
Operator : rebeccak
Sample : ic2596-10 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:36:27 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





Manual Integration Approval Summary

Sample Number: G8G2596-IC2596 **Method:** SW846 8081B
Lab FileID: 8G60349.D **Analyst approved:** 09/19/24 07:07 Rebecca Krug
Injection Time: 09/18/24 14:14 **Supervisor approved:** 09/24/24 10:58 Gwendolyn Burns

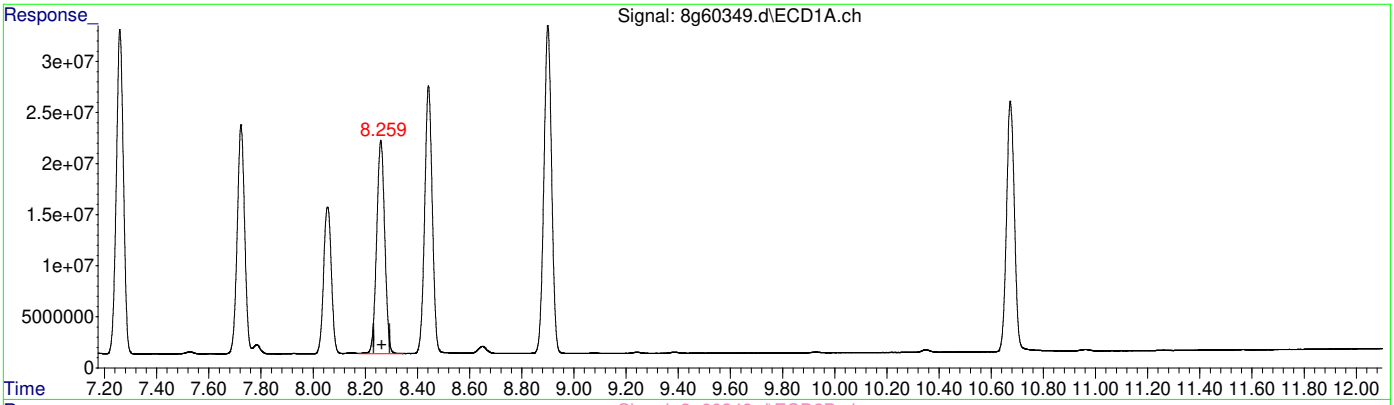
Parameter	CAS	Sig#	R.T. (min.)	Reason
Mirex	2385-85-5	2	11.02	Poorly defined baseline
Endrin ketone	53494-70-5	2	11.04	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60349.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 2:14 pm
Operator : rebeccak
Sample : ic2596-10 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:34:58 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(24) Mirex

8.260min 8.070 PPB

response 451690397

(24) Mirex #2

11.040min 22.599 PPB

response 2237296817

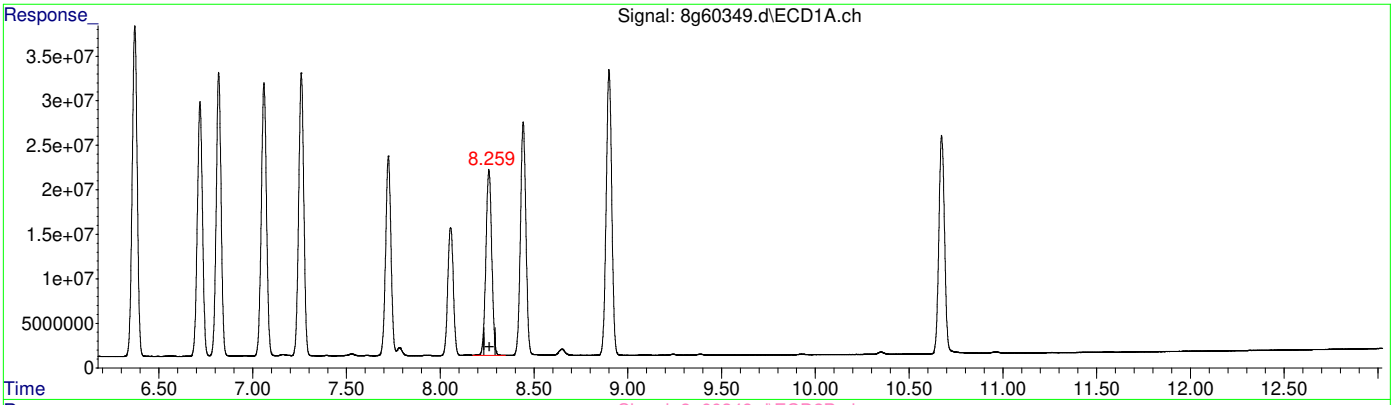
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Sep 18 20:35:33 2024

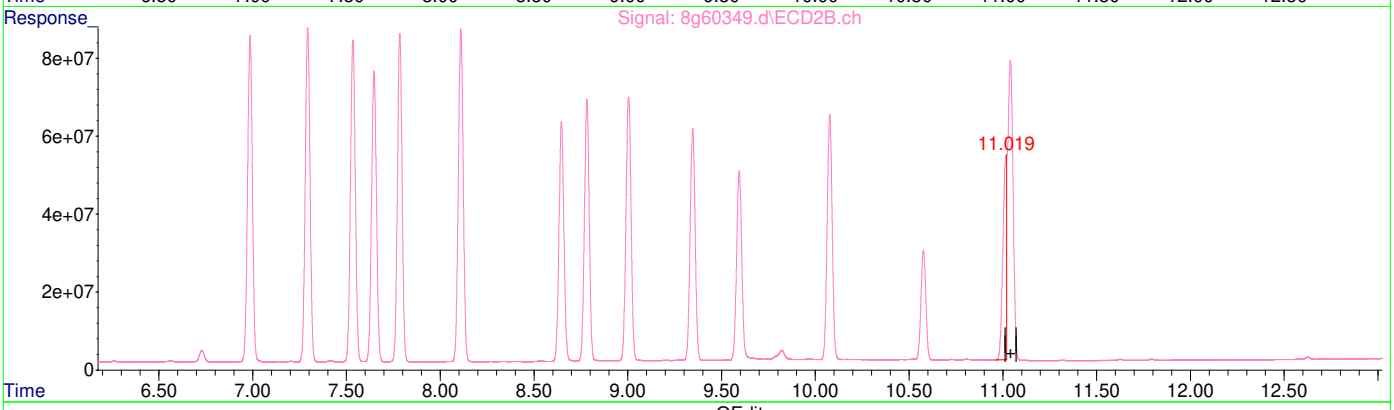
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60349.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 2:14 pm
Operator : rebeccak
Sample : ic2596-10 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:34:58 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(24) Mirex

8.260min 8.070 PPB

response 451690397

(24) Mirex #2

11.019min 7.115 PPB m

response 704391536

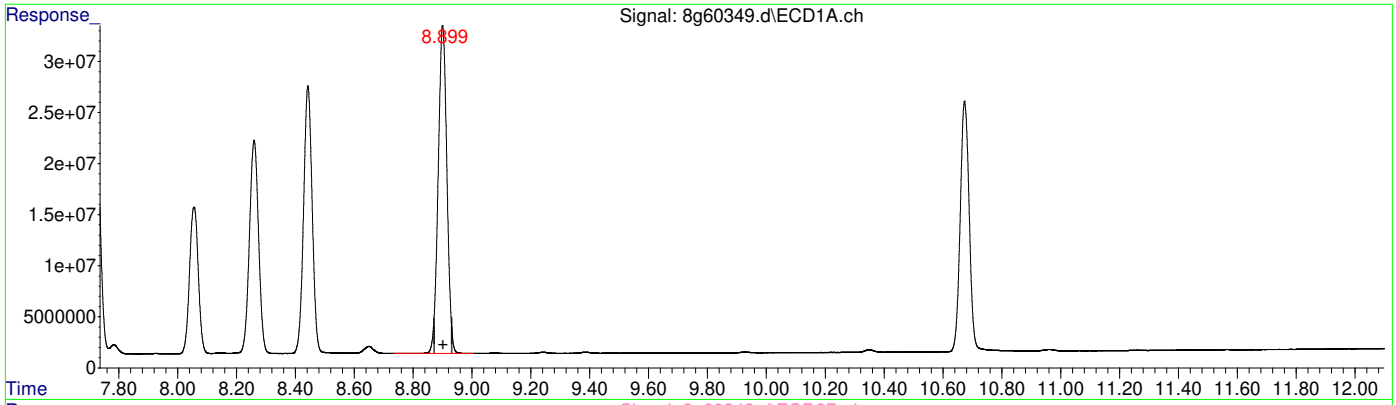
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Sep 18 20:36:06 2024

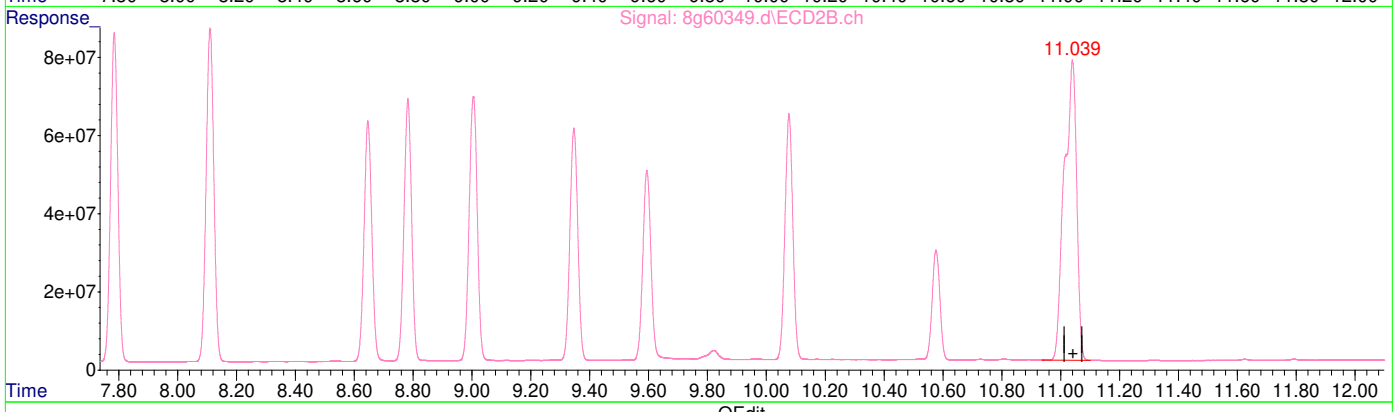
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60349.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 2:14 pm
Operator : rebeccak
Sample : ic2596-10 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:34:58 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(25) Endrin Ketone (B)

8.900min 7.171 PPB

response 662040874

(25) Endrin Ketone #2 (B)

11.040min 10.245 PPB

response 2237296817

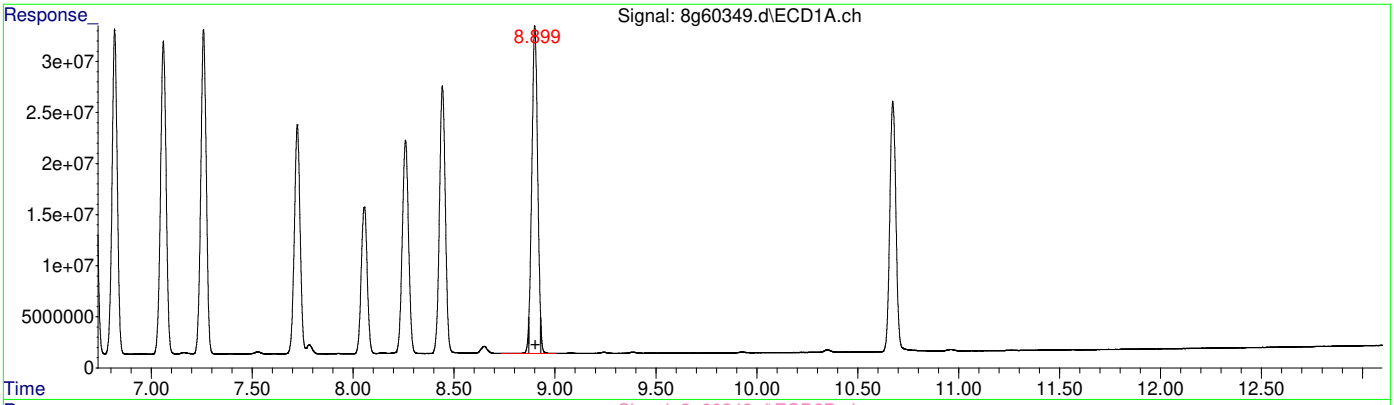
(+) = Expected Retention Time

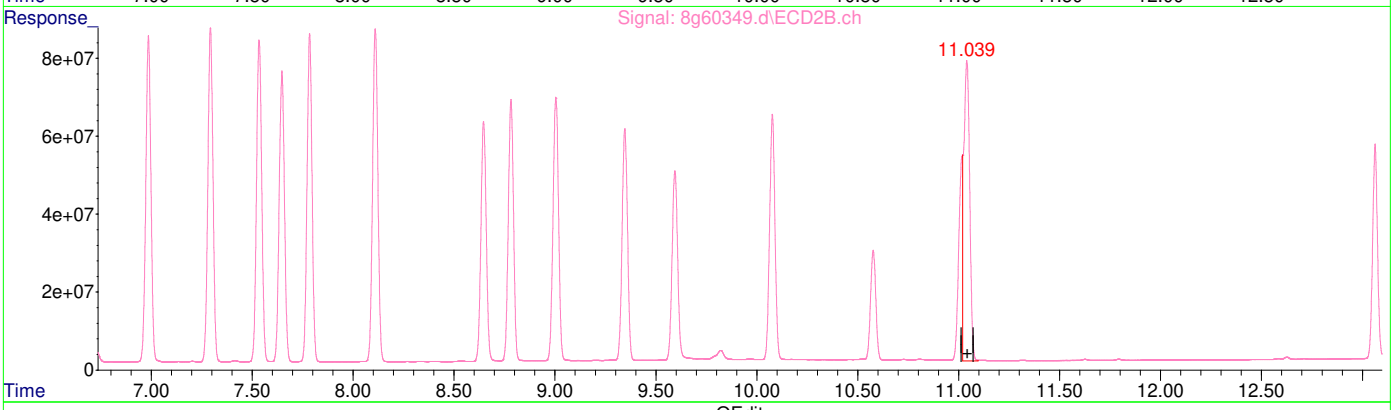
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60349.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 2:14 pm
Operator : rebeccak
Sample : ic2596-10 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:34:58 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(25) Endrin Ketone (B)

8.900min 7.171 PPB

response 662040874

(25) Endrin Ketone #2 (B)

11.039min 7.129 PPB m

response 1556849829

(+) = Expected Retention Time
8PSTLVI2596a.M Wed Sep 18 20:36:33 2024

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 09/24/24 10:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60351.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 3:00 pm
Operator : rebeccak
Sample : ic2596-50 (chlordane)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 07:04:44 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 07:04:06 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1)	I 1-bromo-2...	2.423	2.793	255.8E6	643.8E6	5.000	5.000
27)	I 1-bromo-2...	2.423	2.793	255.8E6	643.8E6	5.000	5.000
33)	I 1-bromo-2...	2.423	2.793	255.8E6	643.8E6	5.000	5.000
	System Monitoring Compounds						
2)	SAB Tetrachlo...	2.973	3.680	314.5E6	796.3E6	6.373	5.048
	Spiked Amount 40.000	Range 30 - 150		Recovery =		15.93%#	12.62%#
26)	SA Decachlor...	10.675	13.062	255.2E6	457.9E6	5.376	5.132
	Spiked Amount 40.000			Recovery =		13.44%	12.83%
	Target Compounds						
34)	Chlordane...	4.325	5.582	197.5E6	438.2E6	120.672	42.469 #
35)	Chlordane...	4.847	6.288	119.1E6	256.2E6	102.398	41.827 #
36)	Chlordane...	5.643	7.293	424.0E6	892.6E6	112.753	44.573 #
37)	Chlordane...	5.820	7.533	650.3E6	1472.8E6	109.112	44.564m#
38)	Chlordane...	6.955	9.096	93073606	209.6E6	112.063	41.566 #
	SemiQuant Compounds - Not Calibrated on this Instrument						

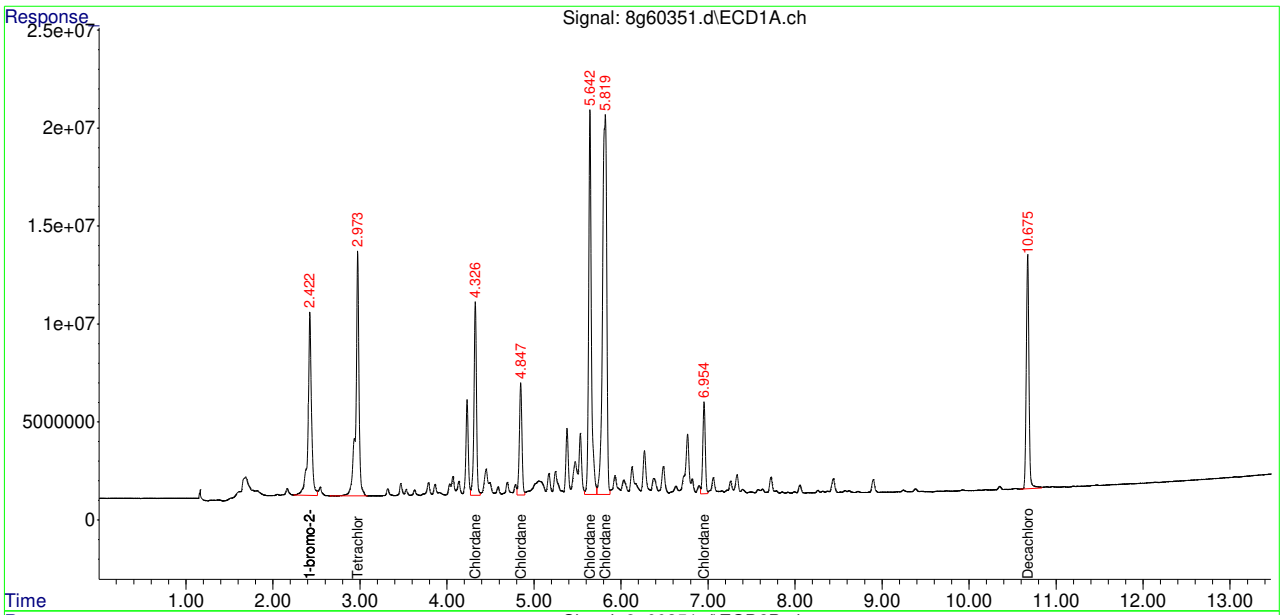
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

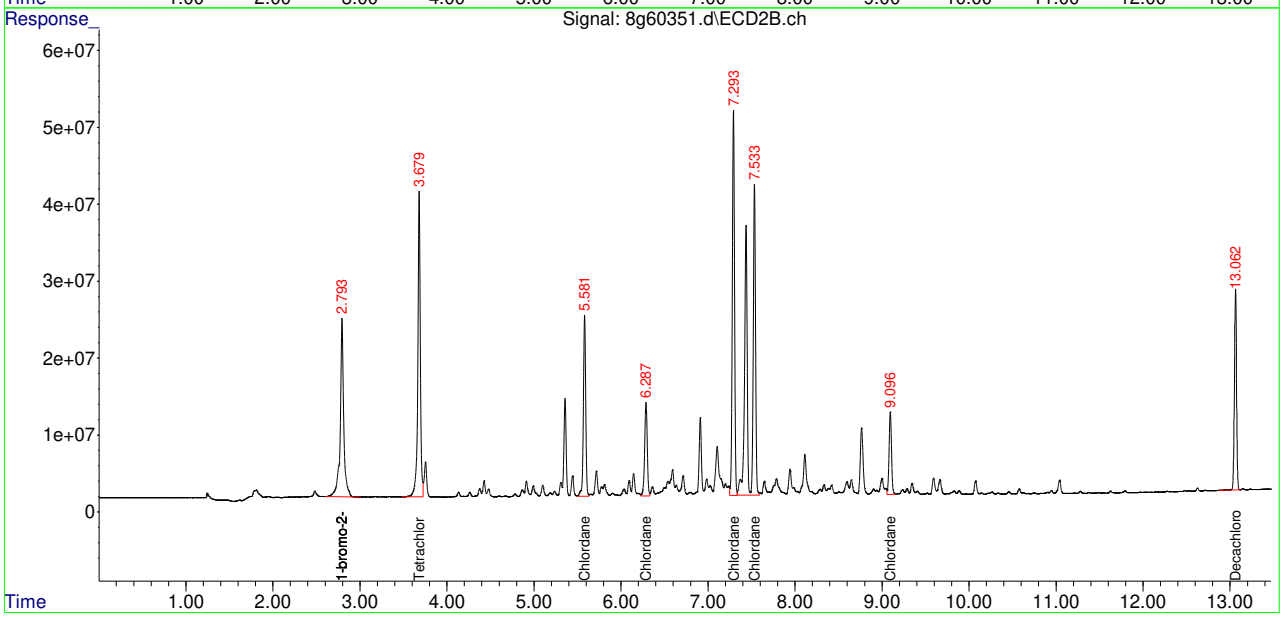
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60351.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 3:00 pm
Operator : rebeccak
Sample : ic2596-50 (chlordane)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 07:04:44 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 07:04:06 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





Manual Integration Approval Summary

Sample Number:	G8G2596-IC2596	**Method:**	SW846 8081B
Lab FileID:	8G60351.D	**Analyst approved:**	09/19/24 07:08 Rebecca Krug
Injection Time:	09/18/24 15:00	**Supervisor approved:**	09/24/24 10:58 Gwendolyn Burns

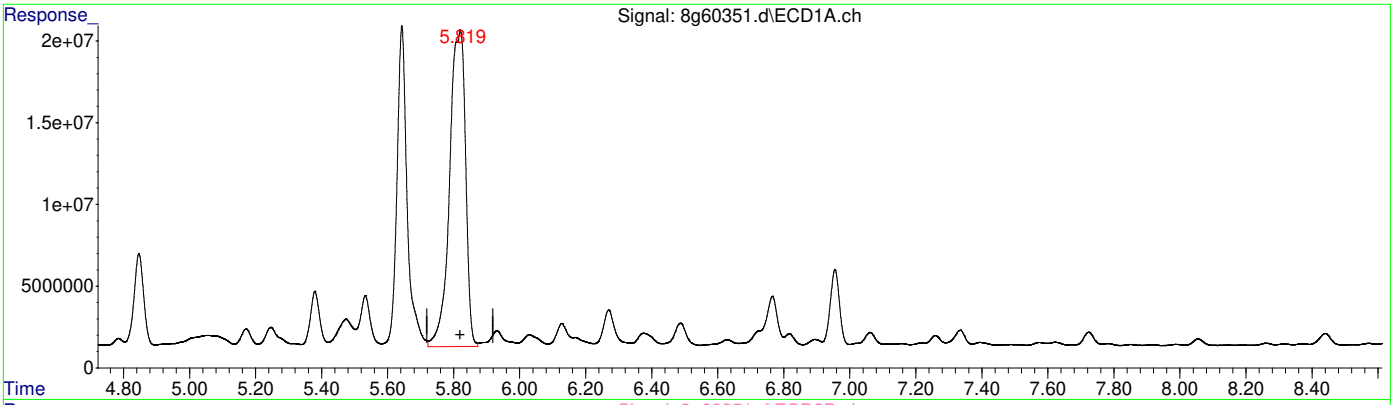
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chlordane-D		2	7.53	Split peak

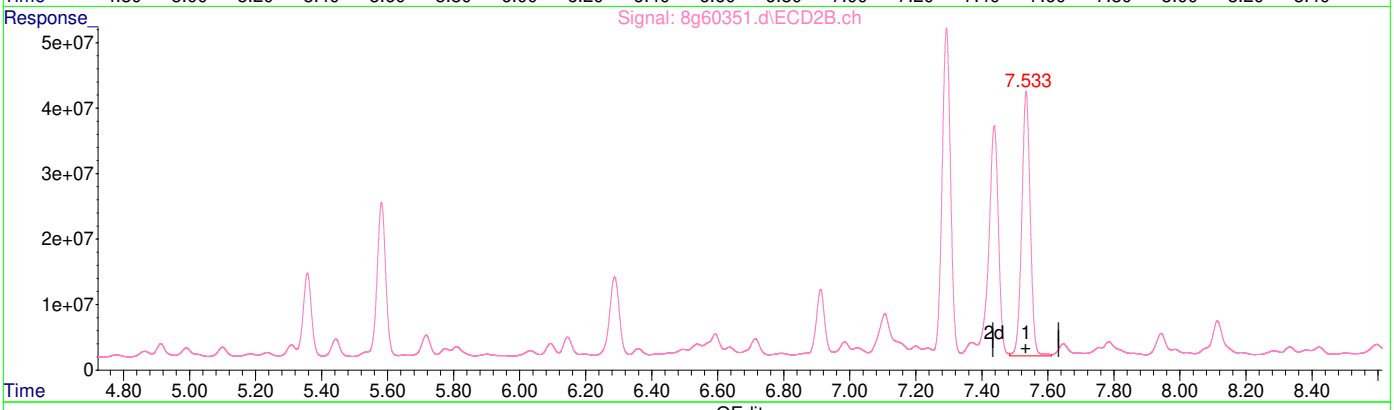
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60351.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 3:00 pm
Operator : rebeccak
Sample : ic2596-50 (chlordane)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 07:04:12 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 07:04:06 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(37) Chlordane {D}

5.820min 109.112 PPB

response 650321055

(37) Chlordane {D} #2

7.534min 21.811 PPB

response 720851481

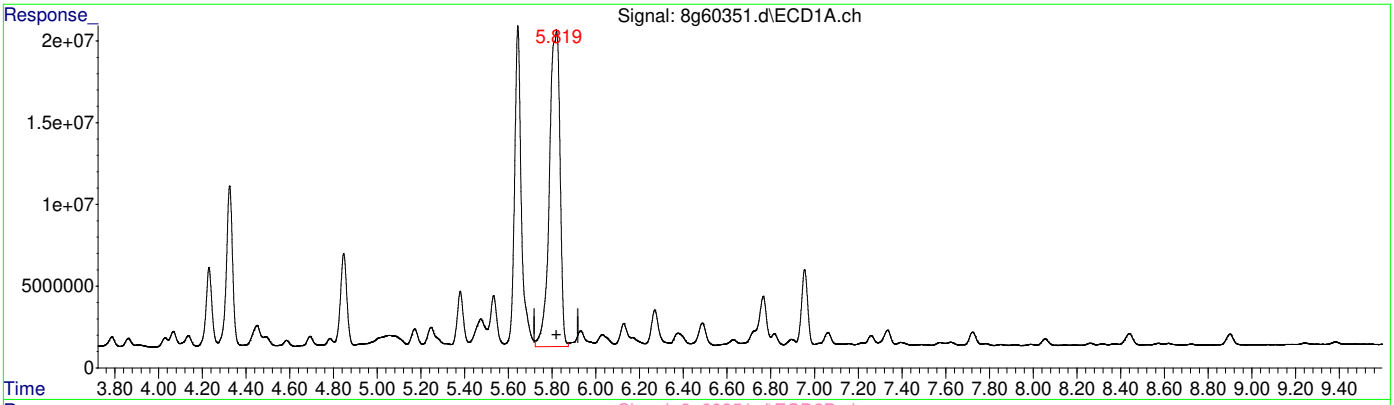
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Sep 19 07:04:22 2024

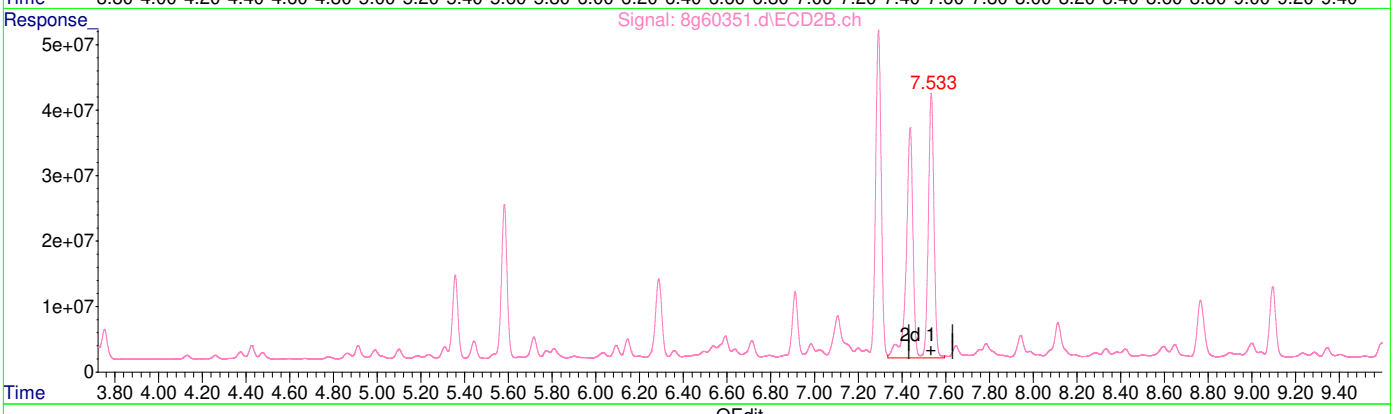
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60351.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 3:00 pm
Operator : rebeccak
Sample : ic2596-50 (chlordane)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 07:04:12 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 07:04:06 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(37) Chlordane {D}

5.820min 109.112 PPB

response 650321055

(37) Chlordane {D} #2

7.533min 44.564 PPB m

response 1472814490

(+) = Expected Retention Time
8PSTLVI2596a.M Thu Sep 19 07:04:32 2024

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 09/24/24 10:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60353.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 3:45 pm
Operator : rebeccak
Sample : ic2596-50 (toxaphene)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 13:28:30 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 07:05:18 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1)	I 1-bromo-2...	2.424	2.793	234.8E6	593.4E6	5.000	5.000
27)	I 1-bromo-2...	2.424	2.793	234.8E6	593.4E6	5.000	5.000
33)	I 1-bromo-2...	2.424	2.793	234.8E6	593.4E6	5.000	5.000
	System Monitoring Compounds						
2)	SAB Tetrachlo...	2.974	3.680	278.0E6	816.6E6	6.135	5.617
	Spiked Amount 40.000	Range 30 - 150		Recovery =		15.34%#	14.04%#
26)	SA Decachlor...	10.674	13.062	248.4E6	467.3E6	5.700	5.682
	Spiked Amount 40.000			Recovery =		14.25%	14.21%
	Target Compounds						
28)	L8 Toxaphene{A}	6.763	8.064	33361425	67520397	238.596m	22.913m#
29)	L8 Toxaphene{B}	7.585	8.248	32245734	44388497	120.975m	42.251m#
30)	L8 Toxaphene{C}	7.692	9.144	87973371	111.1E6	131.924m	64.550m#
31)	L8 Toxaphene{D}	8.113	9.287	56162953	52462715	182.773m	18.033m#
32)	L8 Toxaphene{E}	8.269	10.522	82330893	160.1E6	116.966m	49.305m#
	SemiQuant Compounds - Not Calibrated on this Instrument						

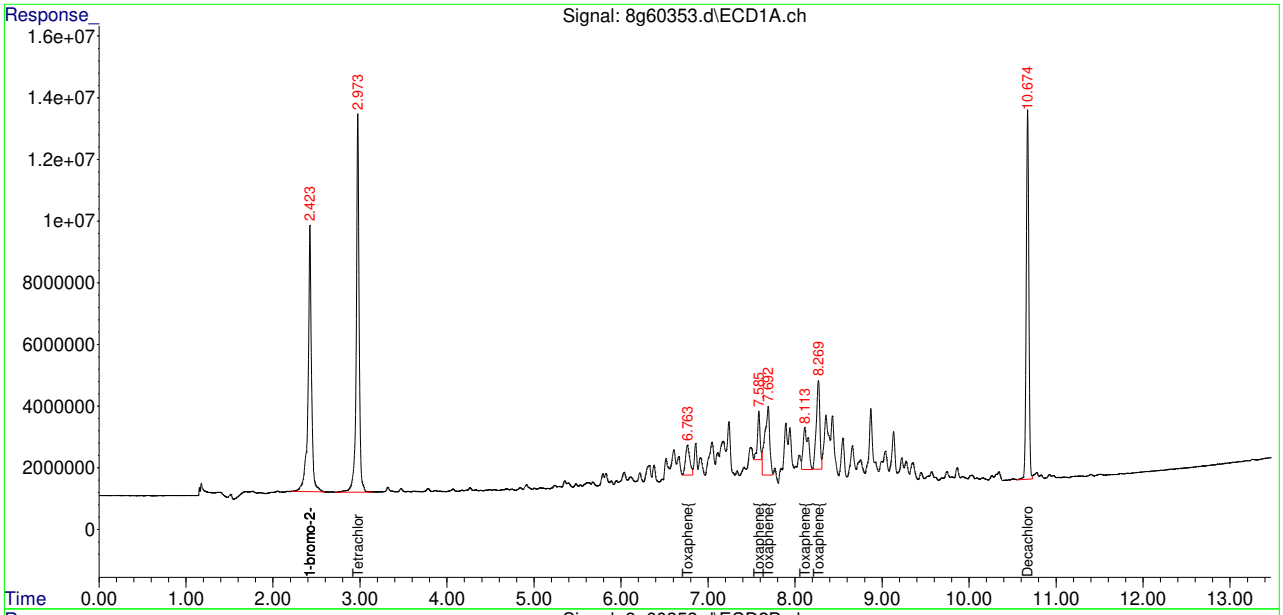
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

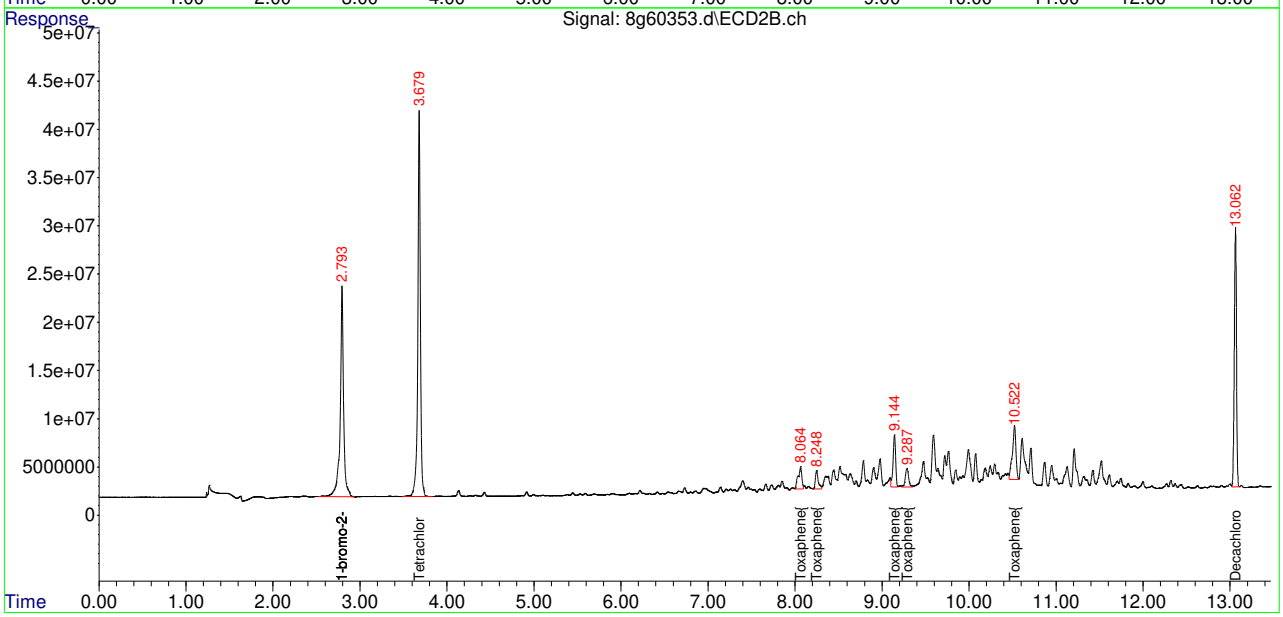
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60353.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 3:45 pm
Operator : rebeccak
Sample : ic2596-50 (toxaphene)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 13:28:30 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 07:05:18 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





Manual Integration Approval Summary

Sample Number: G8G2596-IC2596 **Method:** SW846 8081B
Lab FileID: 8G60353.D **Analyst approved:** 09/19/24 13:39 Rebecca Krug
Injection Time: 09/18/24 15:45 **Supervisor approved:** 09/24/24 10:58 Gwendolyn Burns

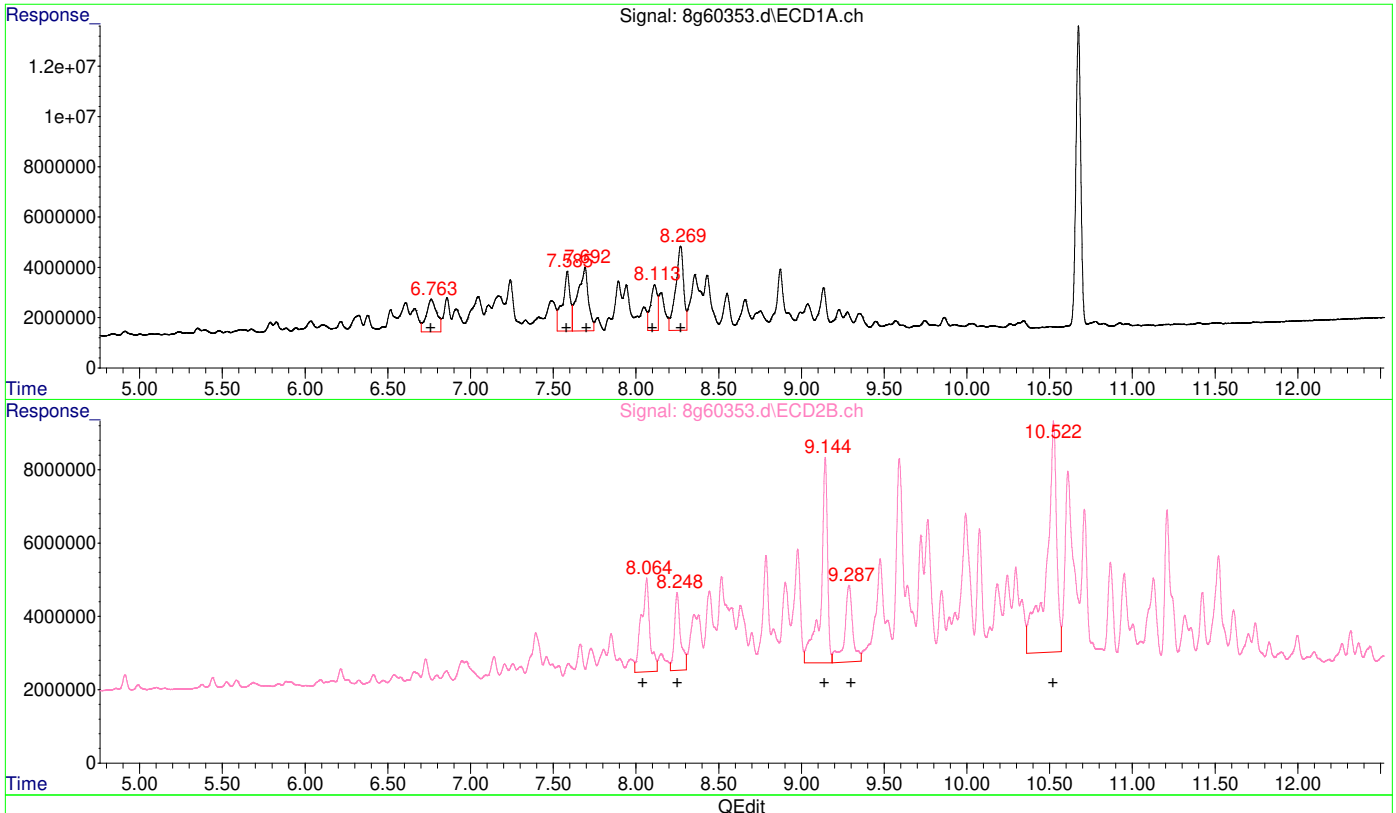
Parameter	CAS	Sig#	R.T. (min.)	Reason
Toxaphene-A		1	6.76	Poorly defined baseline
Toxaphene-B		1	7.59	Poorly defined baseline
Toxaphene-C		1	7.69	Poorly defined baseline
Toxaphene-A		2	8.06	Poorly defined baseline
Toxaphene-D		1	8.11	Poorly defined baseline
Toxaphene-B		2	8.25	Poorly defined baseline
Toxaphene-E		1	8.27	Poorly defined baseline
Toxaphene-C		2	9.14	Poorly defined baseline
Toxaphene-D		2	9.29	Poorly defined baseline
Toxaphene-E		2	10.52	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60353.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 3:45 pm
Operator : rebeccak
Sample : ic2596-50 (toxaphene)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 13:18:23 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 07:05:18 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(28) Toxaphene{A} (L8)

R.T.	Response	Conc
6.76	57131048	408.59
7.58	76465450	286.87
7.69	113485170	170.18
8.11	51940125	169.03
8.27	112092411	159.25

(28) Toxaphene{A} #2 (L8)

R.T.	Response	Conc
8.06	90880608	30.84
8.25	54926049	52.28
9.14	158783348	92.29
9.29	72514099	24.93
10.52	271636124	83.65

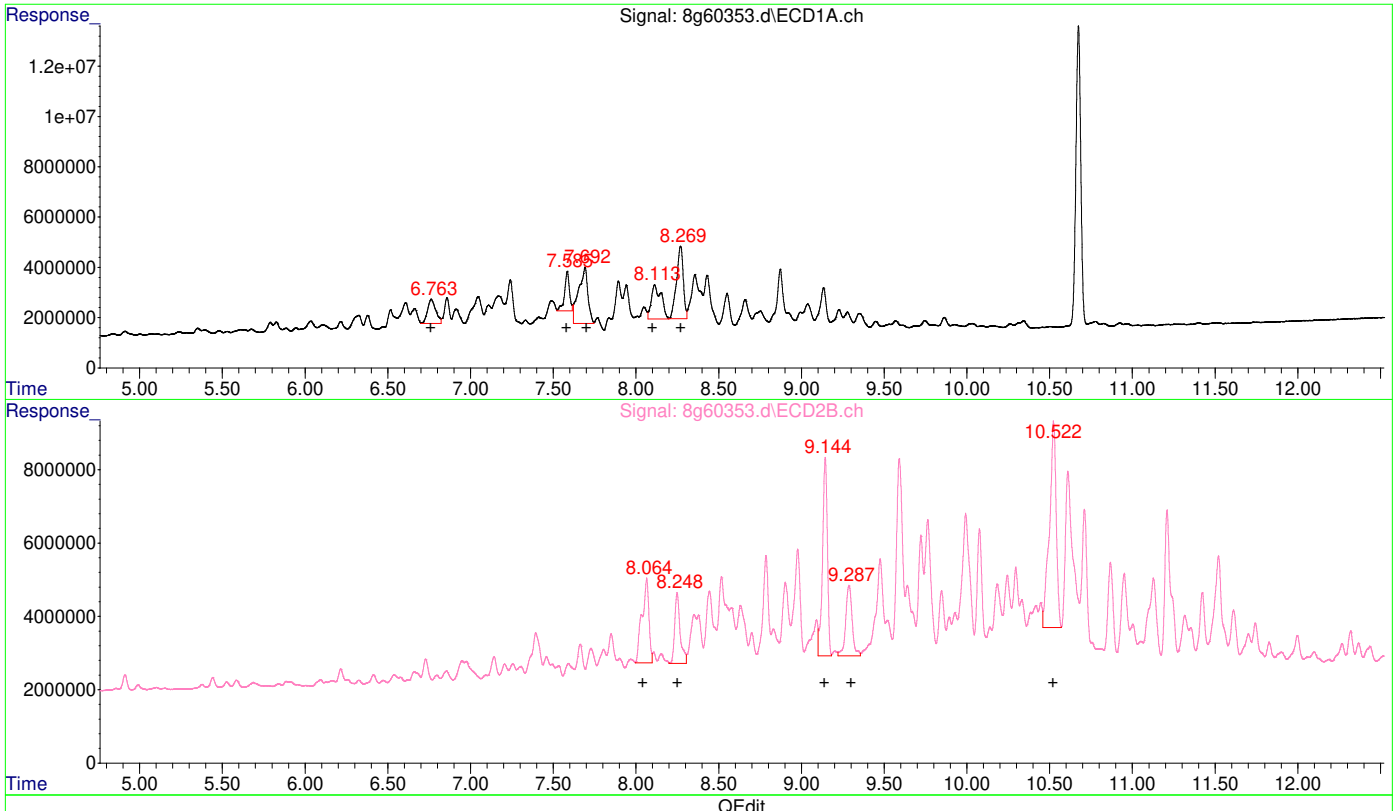
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Sep 19 13:18:32 2024

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60353.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 3:45 pm
Operator : rebeccak
Sample : ic2596-50 (toxaphene)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 13:28:30 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 07:05:18 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(28) Toxaphene{A} (L8)

R.T.	Response	Conc
6.76	33361425	238.60
7.59	32245734	120.98
7.69	87973371	131.92
8.11	56162953	182.77
8.27	82330893	116.97

(28) Toxaphene{A} #2 (L8)

R.T.	Response	Conc
8.06	67520397	22.91
8.25	44388497	42.25
9.14	111061197	64.55
9.29	52462715	18.03
10.52	160117477	49.31

(+) = Expected Retention Time
8PSTLVI2596a.M Thu Sep 19 13:28:45 2024

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 09/24/24 10:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60350.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 2:37 pm
Operator : rebeccak
Sample : icv2596-2.5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 06:58:32 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 06:56:21 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
		Internal Standards						
1)	I	1-bromo-2...	2.422	2.792	260.4E6	653.1E6	5.000	5.000
27)	I	1-bromo-2...	2.422	2.792	260.4E6	653.1E6	5.000	5.000
33)	I	1-bromo-2...	2.422	2.792	260.4E6	653.1E6	5.000	5.000
		System Monitoring Compounds						
2)	SAB	Tetrachlo...	2.973	3.680	150.5E6	453.0E6	2.995	2.831
		Spiked Amount 40.000	Range 30 - 150		Recovery =		7.49%#	7.08%#
26)	SA	Decachlor...	10.675	13.062	141.0E6	259.1E6	2.917	2.863
		Spiked Amount 40.000			Recovery =		7.29%	7.16%
		Target Compounds						
3)		hexachlor...	3.318	4.259	214.7E6	428.5E6	2.713	2.517
4)	A	alpha-BHC	3.470	4.426	205.3E6	508.3E6	2.891	2.557
5)	MA	gamma-BHC	3.788	4.913	189.7E6	464.5E6	2.884	2.642
6)	MA	Heptachlor	4.325	5.582	179.6E6	384.6E6	2.651	2.477
7)	B	beta-BHC	3.862	4.990	83669589	220.7E6	2.695	2.460
8)	B	delta-BHC	4.067	5.443	179.0E6	430.8E6	2.712	2.529
9)	MB	Aldrin	4.693	6.095	171.3E6	430.5E6	2.860	2.677
10)		alachlor	4.842	5.835	25488150	63452099	2.842	2.645
11)	B	Heptachlo...	5.471	6.986	164.1E6	397.6E6	2.778	2.617
12)	B	gamma-Chl...	5.643	7.293	165.4E6	399.0E6	2.627	2.657
13)	B	alpha-Chl...	5.827	7.535	156.6E6	377.2E6	2.671	2.529
14)	A	Endosulfan I	6.028	7.647	149.6E6	353.4E6	2.730	2.585
15)	B	4,4'-DDE	5.929	7.785	163.6E6	372.8E6	2.726	2.578
16)	MA	Dieldrin	6.372	8.110	160.0E6	409.4E6	2.682	2.648
17)	MA	Endrin	6.719	8.647	128.5E6	288.6E6	2.732	2.591
18)	A	4,4'-DDD	6.819	8.782	135.4E6	317.6E6	2.695	2.498
19)	B	Endosulfa...	7.060	9.004	144.9E6	337.7E6	2.761	2.613
20)	MA	4,4'-DDT	7.259	9.346	141.6E6	279.6E6	2.791	2.658
21)	B	Endrin Al...	7.723	9.594	126.8E6	271.2E6	2.938	2.673
22)	B	Endosulfa...	8.443	10.078	127.4E6	301.9E6	2.609	2.585
23)	A	Methoxychlor	8.056	10.576	76833257	132.3E6	2.605	2.532
24)		Mirex	8.259	11.020	119.1E6	192.9E6	2.661	2.576m
25)	B	Endrin Ke...	8.901	11.041	162.0E6	390.9E6	2.621	2.450m

SemiQuant Compounds - Not Calibrated on this Instrument

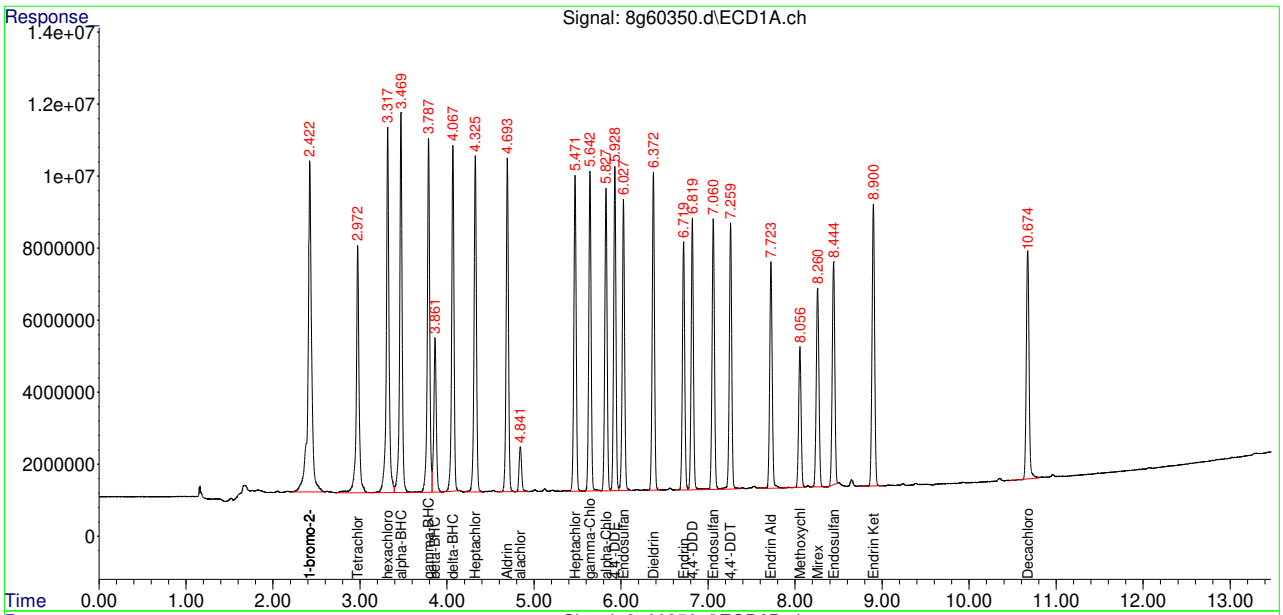
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

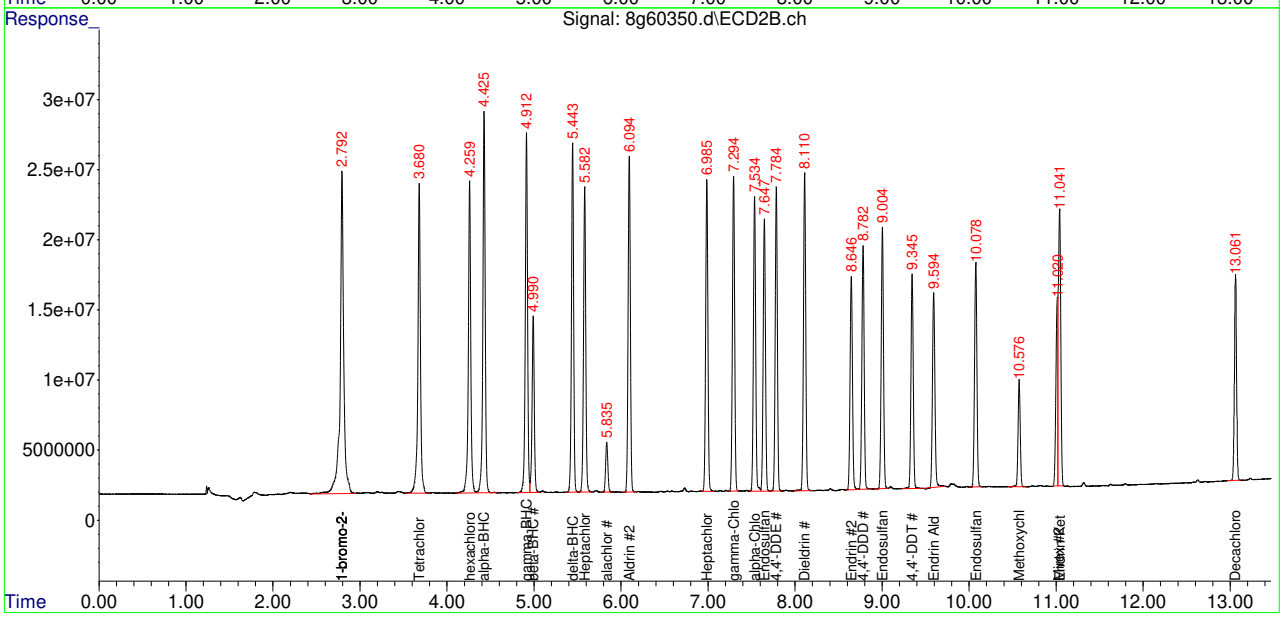
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60350.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 2:37 pm
Operator : rebeccak
Sample : icv2596-2.5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 06:58:32 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 06:56:21 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





Manual Integration Approval Summary

Sample Number: G8G2596-ICV2596 **Method:** SW846 8081B
Lab FileID: 8G60350.D **Analyst approved:** 09/19/24 07:07 Rebecca Krug
Injection Time: 09/18/24 14:37 **Supervisor approved:** 09/24/24 10:58 Gwendolyn Burns

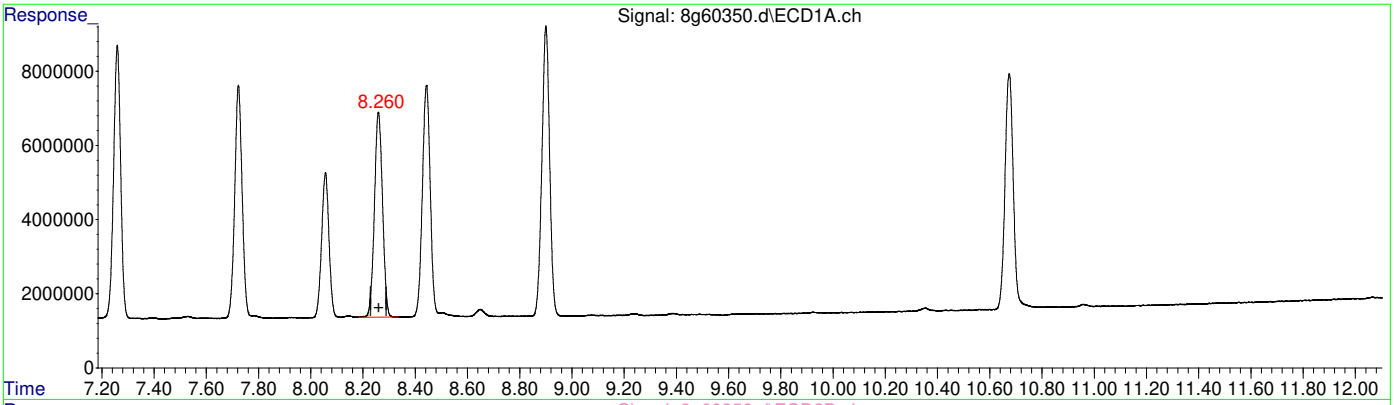
Parameter	CAS	Sig#	R.T. (min.)	Reason
Mirex	2385-85-5	2	11.02	Poorly defined baseline
Endrin ketone	53494-70-5	2	11.04	Poorly defined baseline

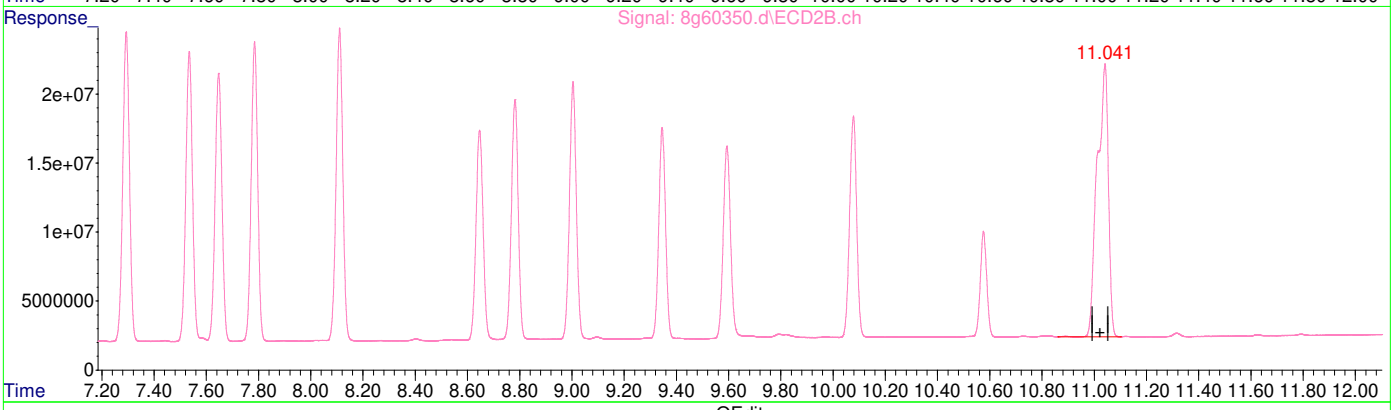
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60350.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 2:37 pm
Operator : rebeccak
Sample : icv2596-2.5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 06:56:32 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 06:56:21 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(24) Mirex

8.259min 2.661 PPB

response 119066444

(24) Mirex #2

11.041min 7.825 PPB

response 586037220

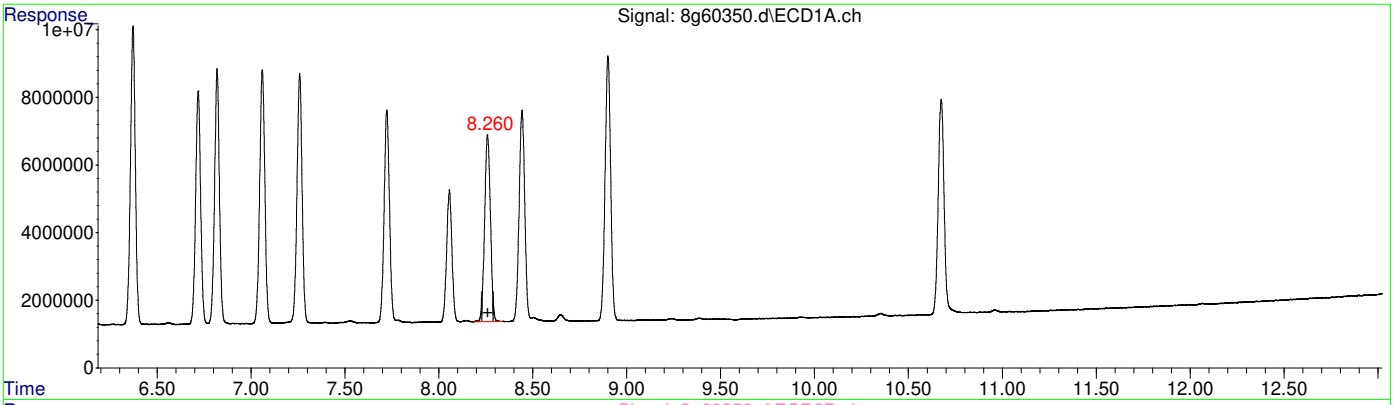
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Sep 19 06:58:05 2024

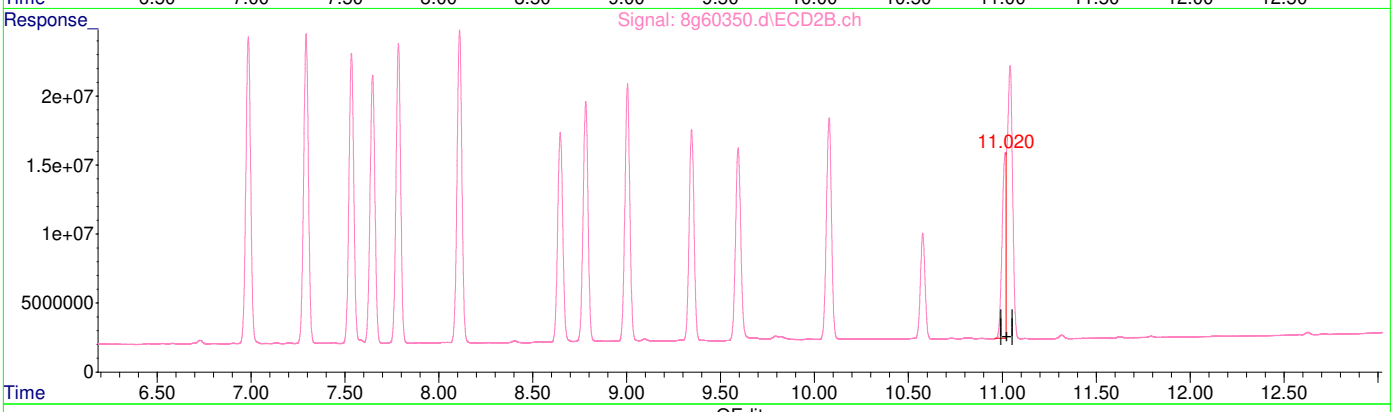
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60350.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 2:37 pm
Operator : rebeccak
Sample : icv2596-2.5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 06:56:32 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 06:56:21 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(24) Mirex

8.259min 2.661 PPB

response 119066444

(24) Mirex #2

11.020min 2.576 PPB m

response 192902788

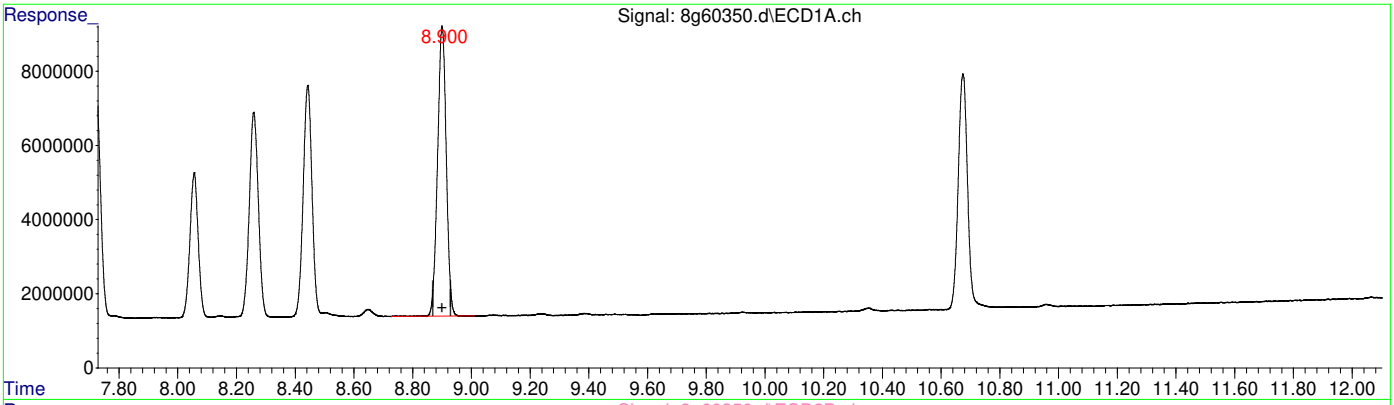
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Sep 19 06:58:20 2024

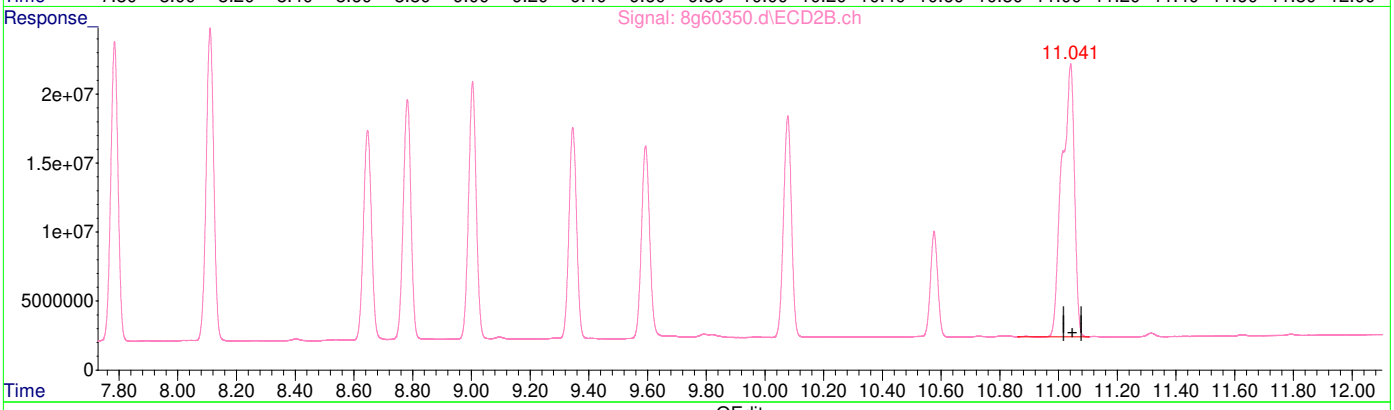
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60350.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 2:37 pm
Operator : rebeccak
Sample : icv2596-2.5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 06:56:32 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 06:56:21 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(25) Endrin Ketone (B)

8.901min 2.621 PPB

response 161997106

(25) Endrin Ketone #2 (B)

11.041min 3.673 PPB

response 586037220

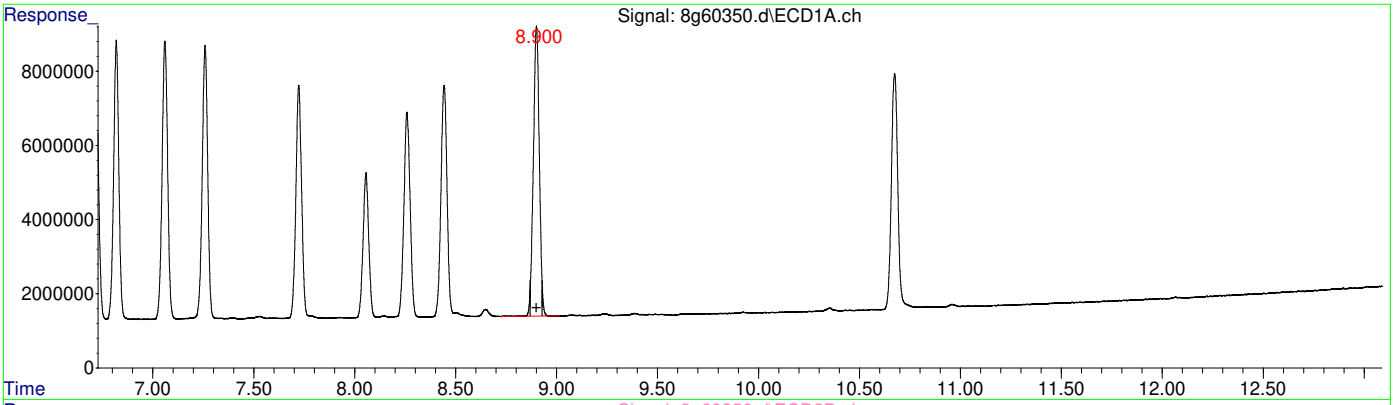
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Sep 19 06:58:23 2024

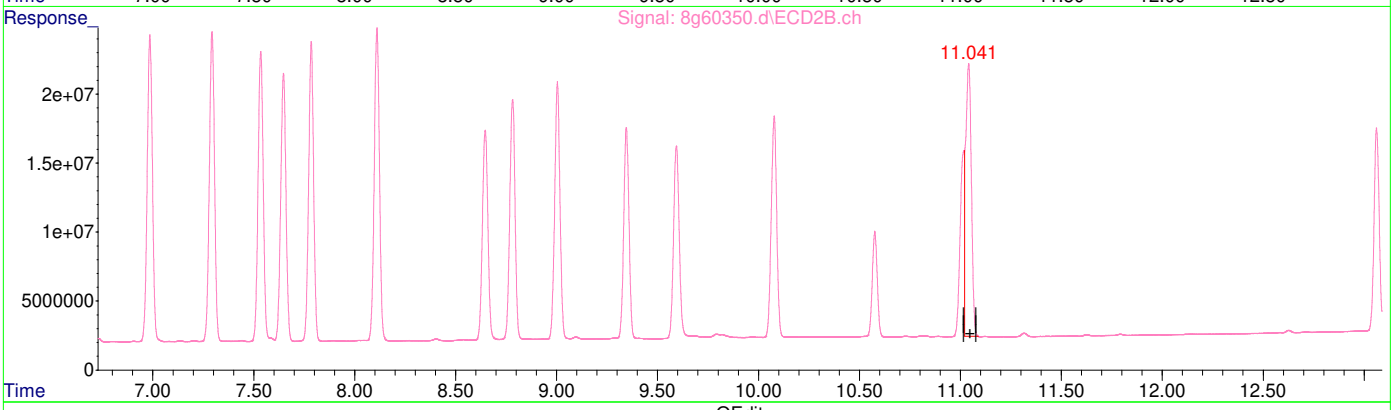
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60350.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 2:37 pm
Operator : rebeccak
Sample : icv2596-2.5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 06:56:32 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 06:56:21 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(25) Endrin Ketone (B)

8.901min 2.621 PPB

response 161997106

(25) Endrin Ketone #2 (B)

11.041min 2.450 PPB m

response 390851286

(+) = Expected Retention Time
8PSTLVI2596a.M Thu Sep 19 06:58:36 2024

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 09/24/24 10:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60352.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 3:22 pm
Operator : rebeccak
Sample : icv2596-50 (chlordane)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 07:05:54 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 07:05:18 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1)	I 1-bromo-2...	2.422	2.792	244.7E6	634.7E6	5.000	5.000
27)	I 1-bromo-2...	2.422	2.792	244.7E6	634.7E6	5.000	5.000
33)	I 1-bromo-2...	2.422	2.792	244.7E6	634.7E6	5.000	5.000
	System Monitoring Compounds						
2)	SAB Tetrachlo...	2.972	3.679	323.2E6	832.6E6	6.847	5.354
	Spiked Amount 40.000	Range 30 - 150		Recovery =		17.12%#	13.39%#
26)	SA Decachlor...	10.675	13.062	268.3E6	486.1E6	5.908	5.526
	Spiked Amount 40.000			Recovery =		14.77%	13.82%
	Target Compounds						
34)	Chlordane...	4.325	5.582	196.4E6	443.0E6	51.992	51.265
35)	Chlordane...	4.847	6.287	126.9E6	280.1E6	55.664	55.449
36)	Chlordane...	5.643	7.293	449.3E6	958.1E6	55.376	54.438
37)	Chlordane...	5.810	7.535	691.4E6	1500.2E6	55.567	51.657m
38)	Chlordane...	6.956	9.096	97592437	238.0E6	54.801	57.589
	SemiQuant Compounds - Not Calibrated on this Instrument						

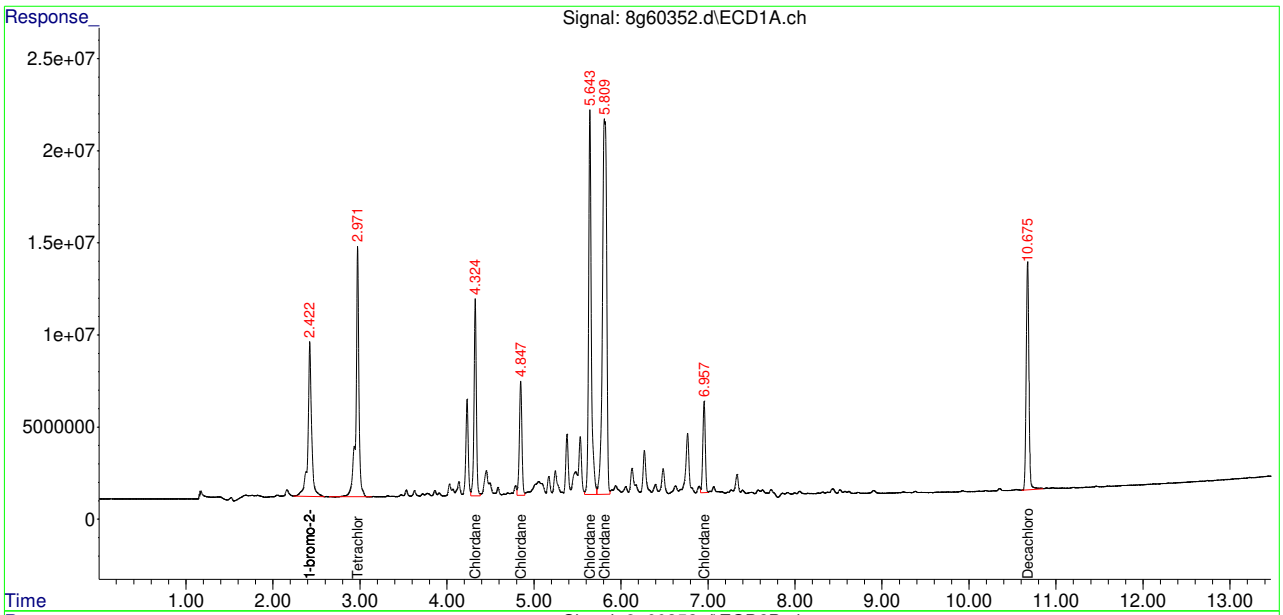
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

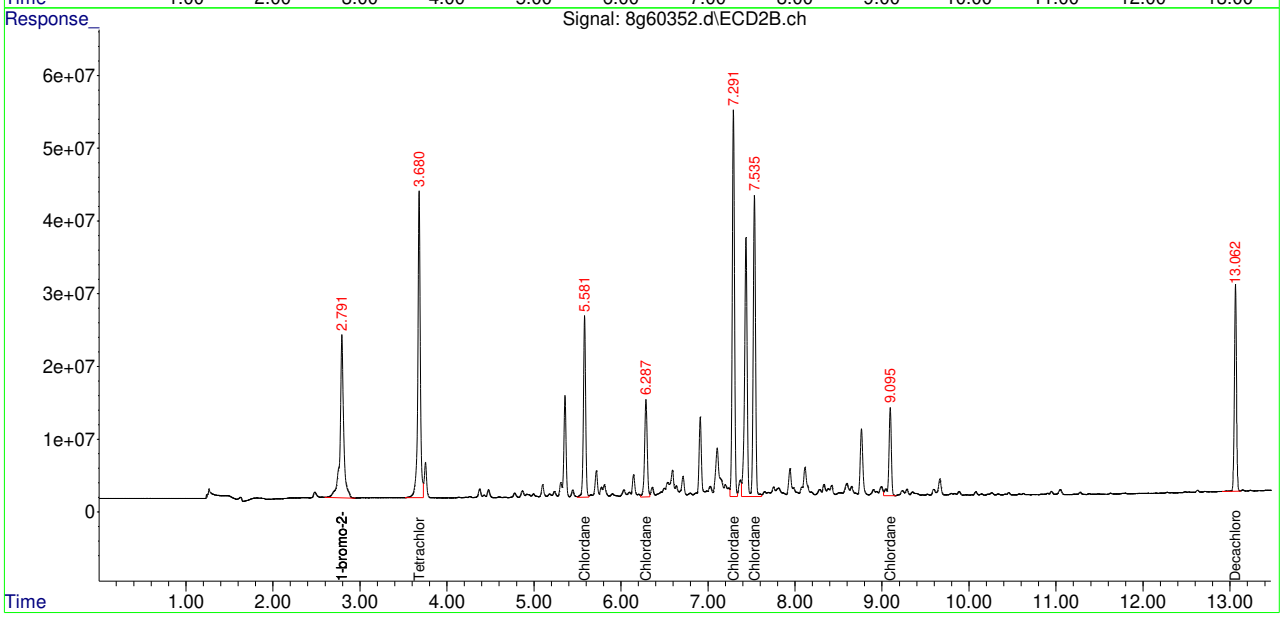
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60352.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 3:22 pm
Operator : rebeccak
Sample : icv2596-50 (chlordane)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 07:05:54 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 07:05:18 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





Manual Integration Approval Summary

Sample Number:	G8G2596-ICV2596	**Method:**	SW846 8081B
Lab FileID:	8G60352.D	**Analyst approved:**	09/19/24 07:08 Rebecca Krug
Injection Time:	09/18/24 15:22	**Supervisor approved:**	09/24/24 10:58 Gwendolyn Burns

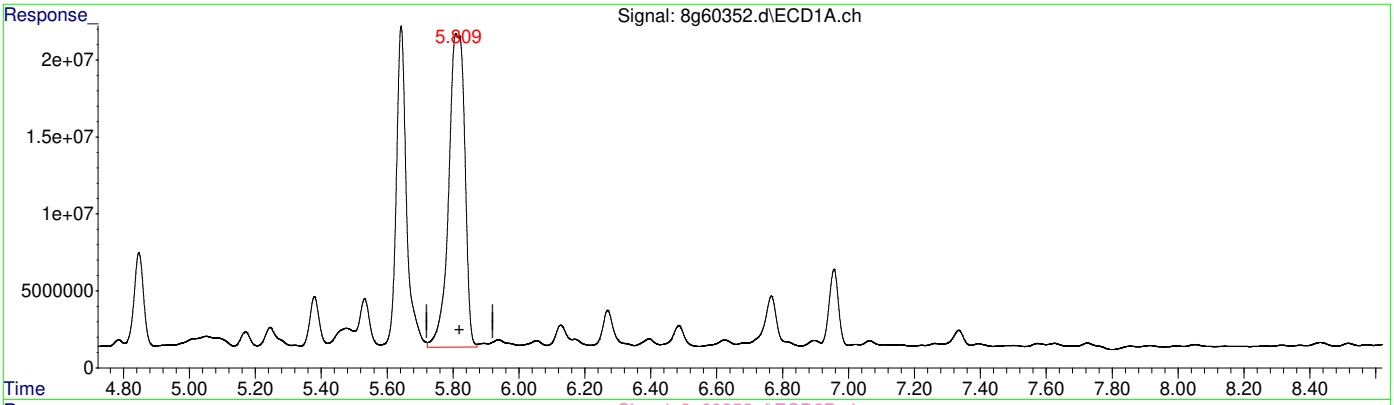
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chlordane-D		2	7.53	Split peak

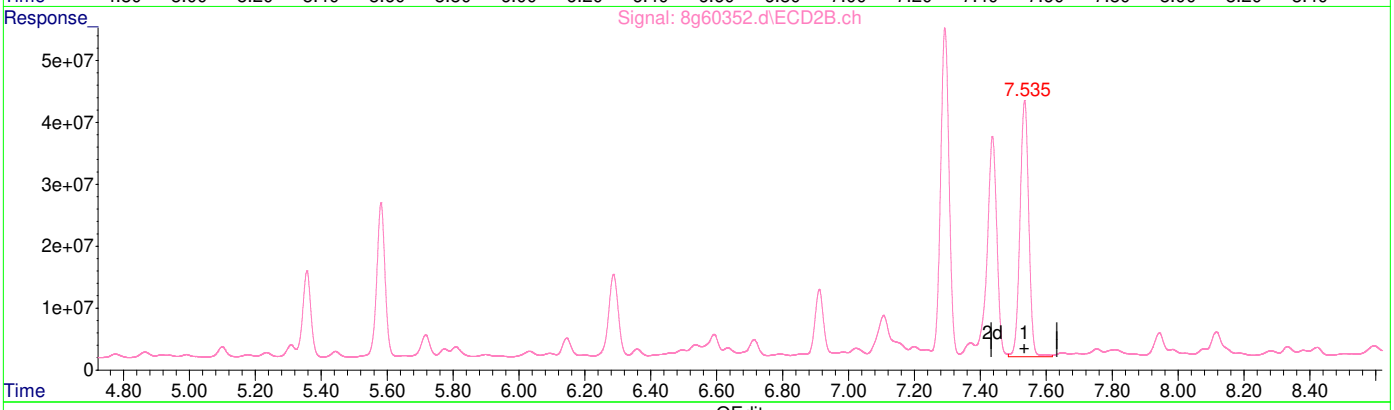
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60352.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 3:22 pm
Operator : rebeccak
Sample : icv2596-50 (chlordane)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 07:05:26 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 07:05:18 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(37) Chlordane {D}

5.810min 55.567 PPB

response 691431659

(37) Chlordane {D} #2

7.534min 26.420 PPB

response 767266724

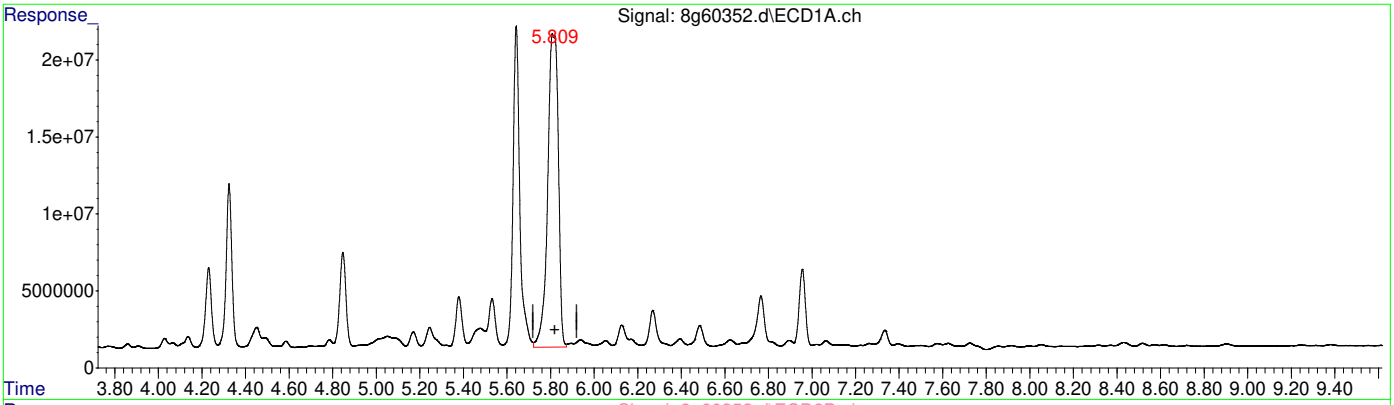
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Sep 19 07:05:37 2024

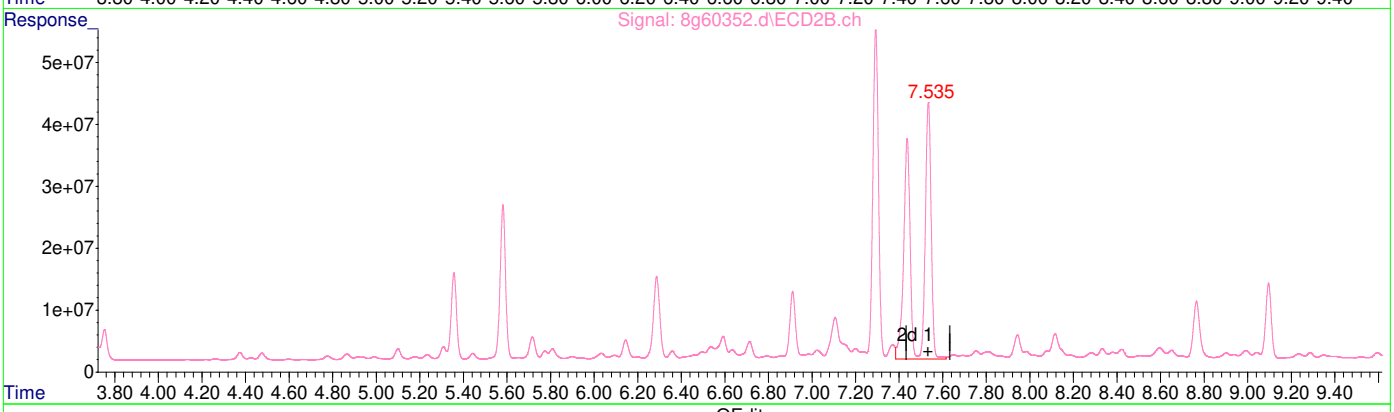
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60352.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 3:22 pm
Operator : rebeccak
Sample : icv2596-50 (chlordane)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 07:05:26 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 07:05:18 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(37) Chlordane {D}

5.810min 55.567 PPB

response 691431659

(37) Chlordane {D} #2

7.535min 51.657 PPB m

response 1500193528

(+) = Expected Retention Time
8PSTLVI2596a.M Thu Sep 19 07:05:45 2024

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 09/24/24 10:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60354.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 4:08 pm
Operator : rebeccak
Sample : icv2596-50 (toxaphene)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 13:33:04 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 13:29:34 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1)	I 1-bromo-2...	2.424	2.794	262.9E6	651.1E6	5.000	5.000
27)	I 1-bromo-2...	2.424	2.794	262.9E6	651.1E6	5.000	5.000
33)	I 1-bromo-2...	2.424	2.794	262.9E6	651.1E6	5.000	5.000
	System Monitoring Compounds						
2)	SAB Tetrachlo...	2.974	3.680	291.6E6	858.7E6	5.750	5.383
	Spiked Amount 40.000	Range 30 - 150		Recovery =		14.37%#	13.46%#
26)	SA Decachlor...	10.673	13.061	240.9E6	501.0E6	4.938	5.552
	Spiked Amount 40.000			Recovery =		12.34%	13.88%
	Target Compounds						
28)	L8 Toxaphene{A}	6.776	8.064	54192850	96324746	72.554m	65.010m
29)	L8 Toxaphene{B}	7.583	8.250	45379591	52104055	62.857m	53.491m
30)	L8 Toxaphene{C}	7.692	9.144	77782916	142.7E6	39.491m	58.554m#
31)	L8 Toxaphene{D}	8.108	9.290	54093858	49794507	43.019m	43.252m
32)	L8 Toxaphene{E}	8.268	10.521	64593975	151.2E6	35.042m	43.037m
	SemiQuant Compounds - Not Calibrated on this Instrument						

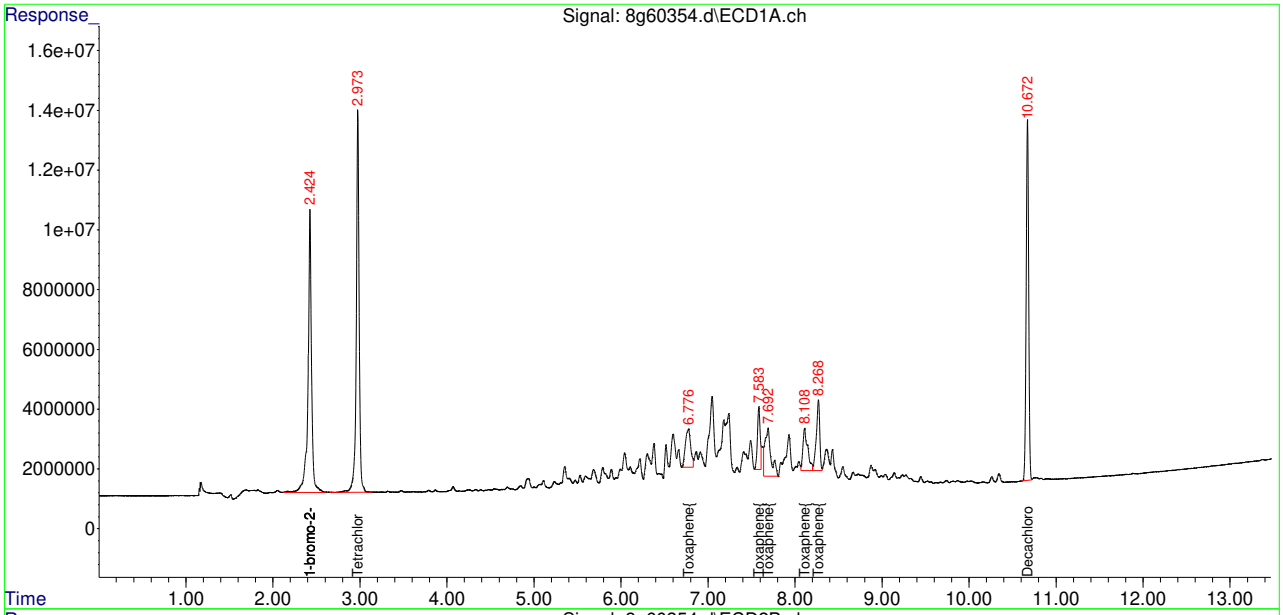
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

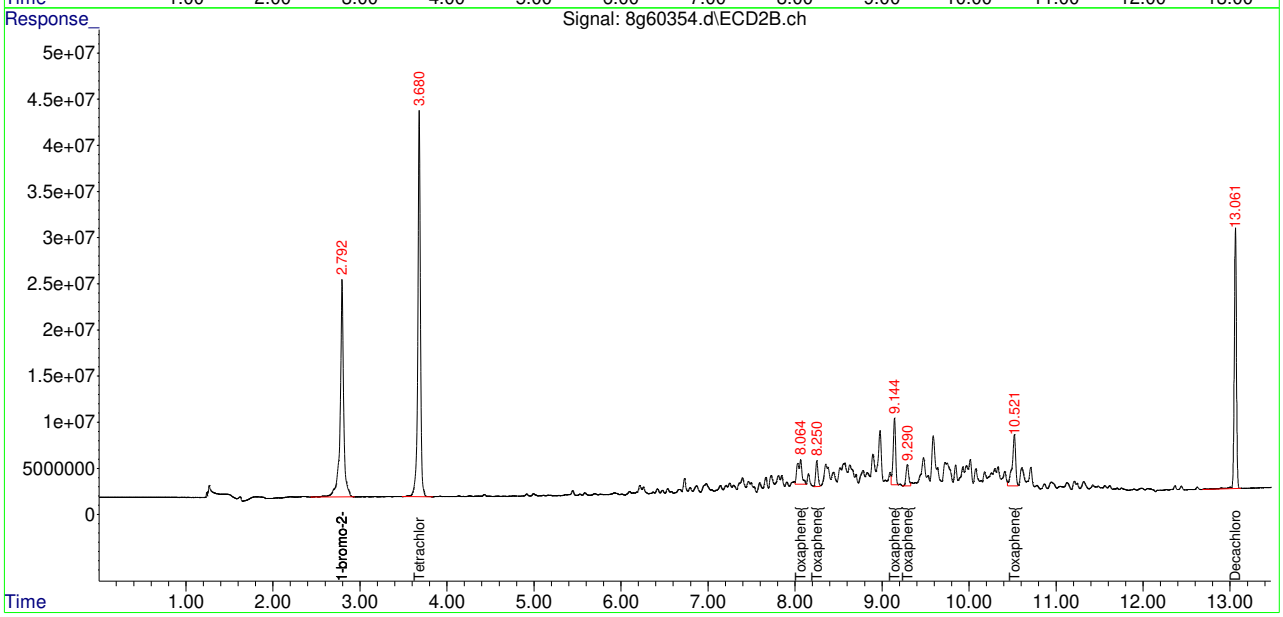
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60354.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 4:08 pm
Operator : rebeccak
Sample : icv2596-50 (toxaphene)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 13:33:04 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 13:29:34 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





Manual Integration Approval Summary

Sample Number: G8G2596-ICV2596 **Method:** SW846 8081B
Lab FileID: 8G60354.D **Analyst approved:** 09/19/24 13:38 Rebecca Krug
Injection Time: 09/18/24 16:08 **Supervisor approved:** 09/24/24 10:58 Gwendolyn Burns

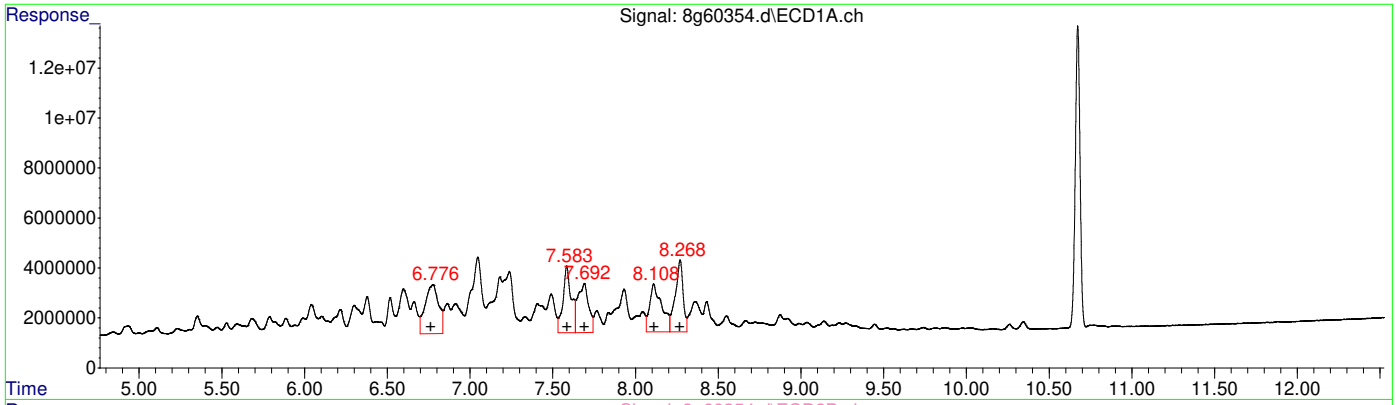
Parameter	CAS	Sig#	R.T. (min.)	Reason
Toxaphene-A		1	6.78	Poorly defined baseline
Toxaphene-B		1	7.58	Poorly defined baseline
Toxaphene-C		1	7.69	Poorly defined baseline
Toxaphene-A		2	8.06	Poorly defined baseline
Toxaphene-D		1	8.11	Poorly defined baseline
Toxaphene-B		2	8.25	Poorly defined baseline
Toxaphene-E		1	8.27	Poorly defined baseline
Toxaphene-C		2	9.14	Poorly defined baseline
Toxaphene-D		2	9.29	Poorly defined baseline
Toxaphene-E		2	10.52	Poorly defined baseline

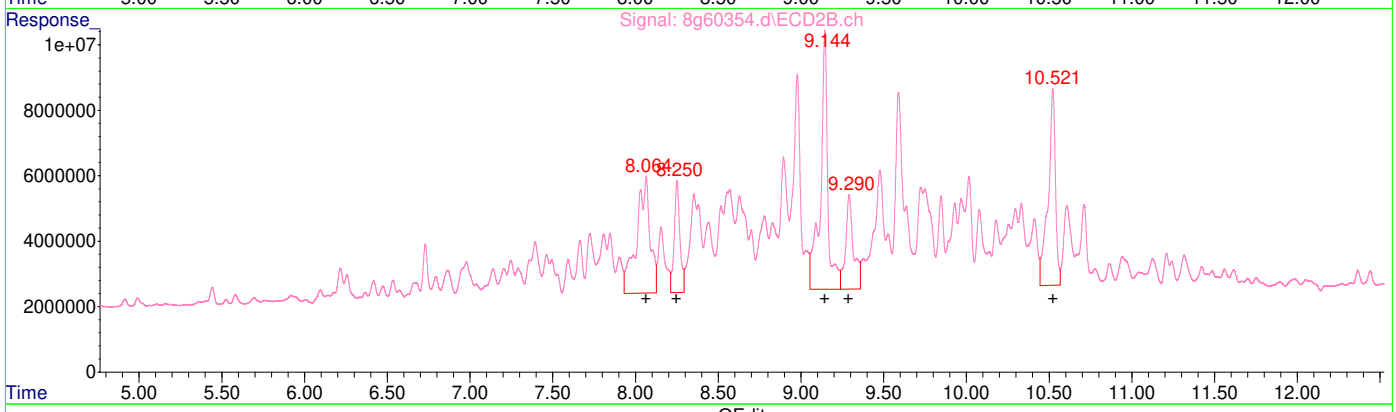
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60354.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 4:08 pm
Operator : rebeccak
Sample : icv2596-50 (toxaphene)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 13:29:56 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 13:29:34 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(28) Toxaphene{A} (L8)

R.T.	Response	Conc
6.78	111271744	148.97
7.58	94349691	130.69
7.69	88941258	45.16
8.11	97510400	77.55
8.27	95574768	51.85

(28) Toxaphene{A} #2 (L8)

R.T.	Response	Conc
8.06	203337380	137.23
8.25	82034475	84.22
9.14	245642511	100.79
9.29	95785055	83.20
10.52	184988838	52.65

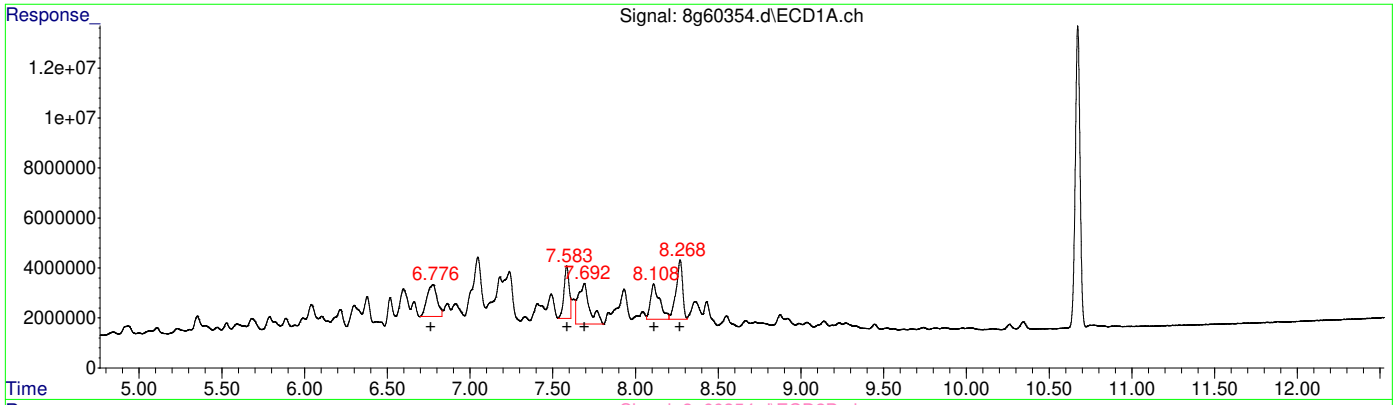
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Sep 19 13:30:25 2024

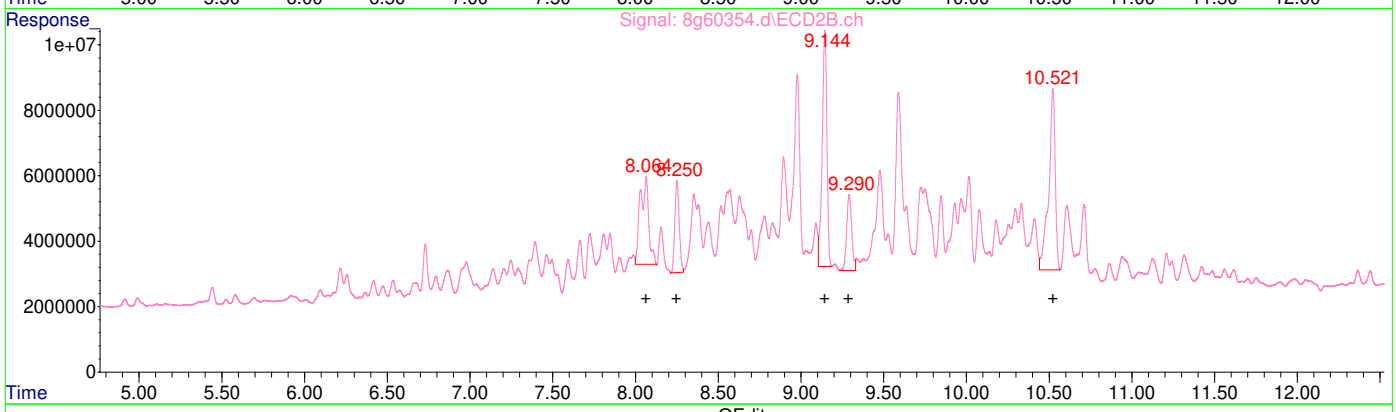
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60354.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 4:08 pm
Operator : rebeccak
Sample : icv2596-50 (toxaphene)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 13:29:56 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 13:29:34 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(28) Toxaphene{A} (L8)

R.T.	Response	Conc
6.78	54192850	72.55
7.58	45379591	62.86
7.69	77782916	39.49
8.11	54093858	43.02
8.27	64593975	35.04

(28) Toxaphene{A} #2 (L8)

R.T.	Response	Conc
8.06	96324746	65.01
8.25	52104055	53.49
9.14	142705033	58.55
9.29	49794507	43.25
10.52	151216681	43.04

(+) = Expected Retention Time
8PSTLVI2596a.M Thu Sep 19 13:34:28 2024

Manual Integrations APPROVED
(compounds with "m" flag)
Gwendolyn Burns
12/03/24 16:36

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62764.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 1:07 am
Operator : christp
Sample : cc2596-5
Misc : op59749,g8g2700,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:02:09 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1)	I 1-bromo-2...	2.404	2.768	320.1E6	707.2E6	5.000	5.000
27)	I 1-bromo-2...	2.404	2.768	320.1E6	707.2E6	5.000	5.000
33)	I 1-bromo-2...	2.404	2.768	320.1E6	707.2E6	5.000	5.000
	System Monitoring Compounds						
2)	SAB Tetrachlo...	2.952	3.650	328.5E6	827.1E6	5.319	4.773
	Spiked Amount 40.000	Range 30 - 150		Recovery =		13.30%#	11.93%#
26)	SA Decachlor...	10.616	12.996	340.0E6	449.2E6	5.723	4.583
	Spiked Amount 40.000			Recovery =		14.31%	11.46%
	Target Compounds						
3)	hexachlor...	3.294	4.226	530.6E6	850.0E6	5.454	4.610
4)	A alpha-BHC	3.441	4.385	530.5E6	1042.3E6	5.401	4.842
5)	MA gamma-BHC	3.756	4.868	475.3E6	939.0E6	5.881	4.932
6)	MA Heptachlor	4.286	5.528	486.4E6	839.3E6	5.842	4.991
7)	B beta-BHC	3.836	4.956	206.2E6	462.9E6	5.403	4.764
8)	B delta-BHC	4.039	5.402	480.8E6	925.4E6	5.926m	5.017
9)	MB Aldrin	4.650	6.037	437.5E6	884.3E6	5.944m	5.078
10)	alachlor	4.795	5.778	58687388	120.1E6	5.325	4.624
11)	B Heptachlo...	5.420	6.922	415.4E6	840.4E6	5.721	5.109
12)	B gamma-Chl...	5.593	7.232	431.7E6	861.2E6	5.578	5.296
13)	B alpha-Chl...	5.775	7.470	431.6E6	842.2E6	5.988	5.214
14)	A Endosulfan I	5.972	7.582	398.8E6	768.8E6	5.923	5.194
15)	B 4,4'-DDE	5.878	7.722	455.5E6	873.2E6	6.175	5.576
16)	MA Dieldrin	6.313	8.042	426.2E6	868.4E6	5.811	5.187
17)	MA Endrin	6.660	8.577	408.9E6	718.6E6	7.072	5.958
18)	A 4,4'-DDD	6.765	8.719	366.5E6	713.0E6	5.933	5.178
19)	B Endosulfa...	7.001	8.937	375.3E6	685.9E6	5.818	4.901
20)	MA 4,4'-DDT	7.202	9.280	383.5E6	607.9E6	6.149	5.337
21)	B Endrin Al...	7.659	9.523	284.4E6	522.2E6	5.363m	4.751
22)	B Endosulfa...	8.377	10.007	337.4E6	588.1E6	5.624	4.649
23)	A Methoxychlor	7.999	10.508	205.1E6	287.1E6	5.656	5.074
24)	Mirex	8.198	10.941	314.9E6	406.1E6	5.727	5.007m
25)	B Endrin Ke...	8.834	10.971	419.8E6	768.5E6	5.527	4.448m

SemiQuant Compounds - Not Calibrated on this Instrument

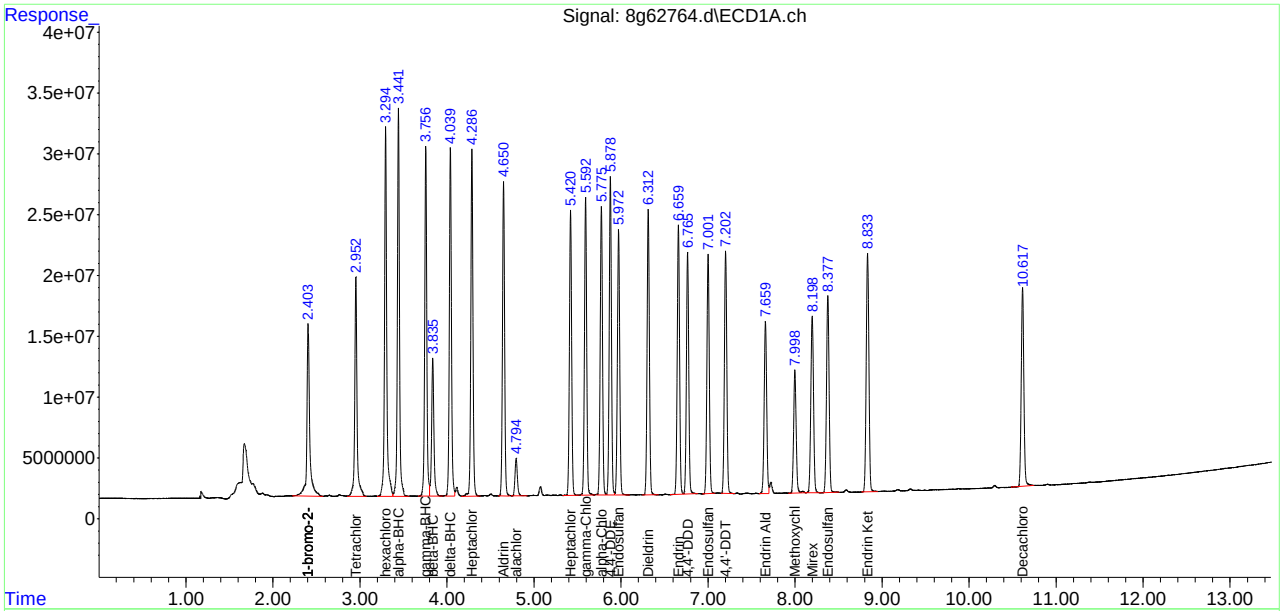
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

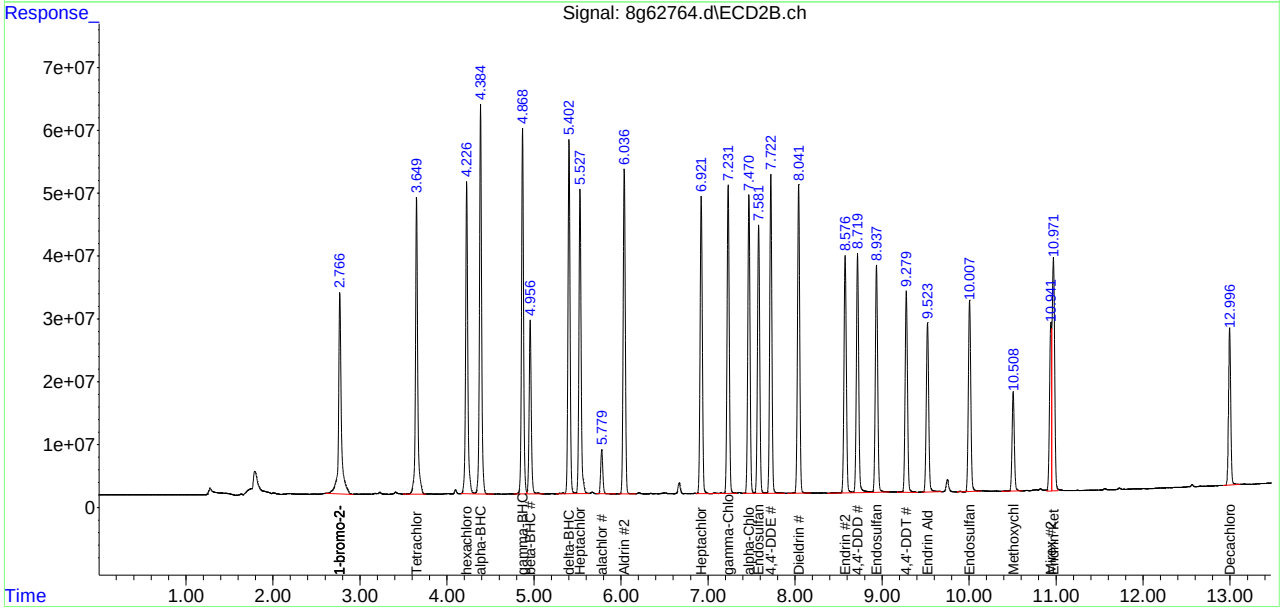
Quantitation Report (QT Reviewed)

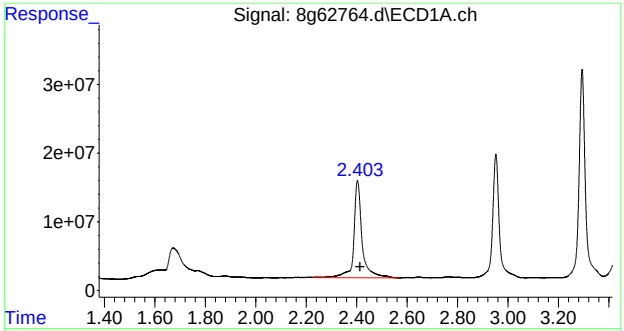
Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62764.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 1:07 am
Operator : christp
Sample : cc2596-5
Misc : op59749,g8g2700,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:02:09 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

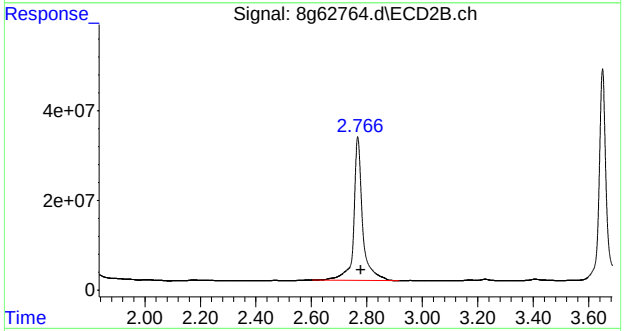






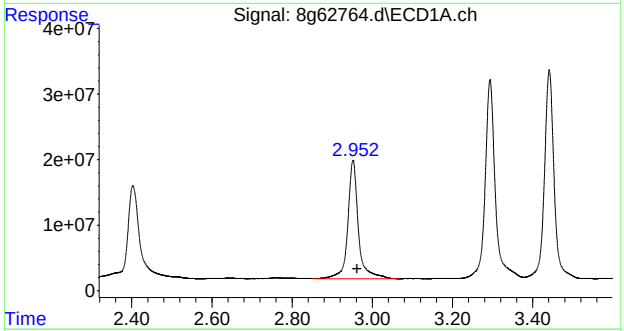
#1 1-bromo-2-nitrobenzene

R.T.: 2.404 min
Delta R.T.: -0.009 min
Response: 320089610
Conc: 5.00 PPB



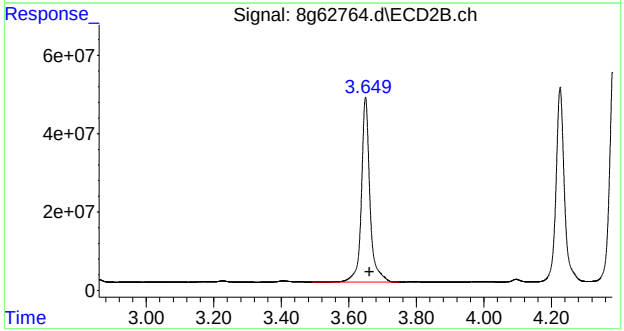
#1 1-bromo-2-nitrobenzene

R.T.: 2.768 min
Delta R.T.: -0.010 min
Response: 707247898
Conc: 5.00 PPB



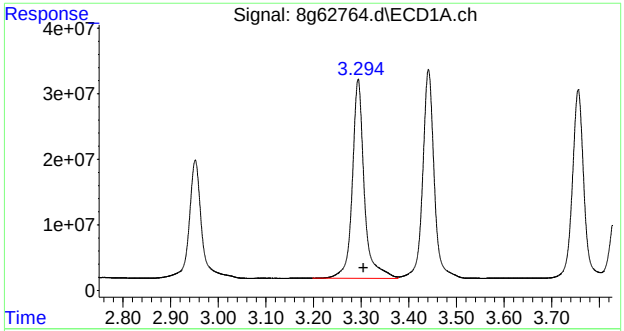
#2 Tetrachloro-m-xylene

R.T.: 2.952 min
Delta R.T.: -0.010 min
Response: 328502122
Conc: 5.32 PPB



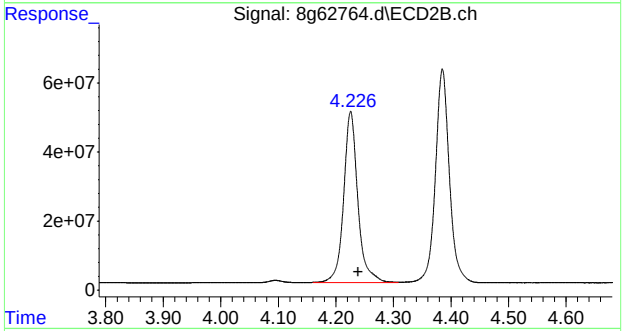
#2 Tetrachloro-m-xylene

R.T.: 3.650 min
Delta R.T.: -0.012 min
Response: 827083845
Conc: 4.77 PPB



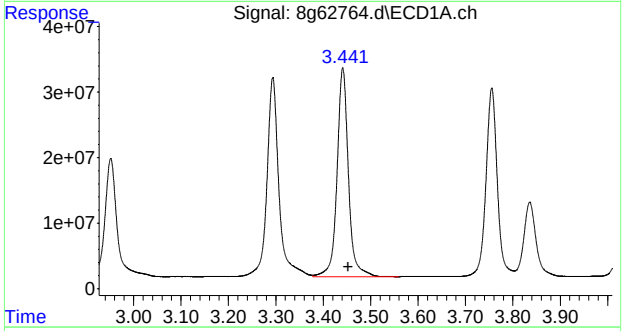
#3 hexachlorobenzene

R.T.: 3.294 min
Delta R.T.: -0.011 min
Response: 530580785
Conc: 5.45 PPB



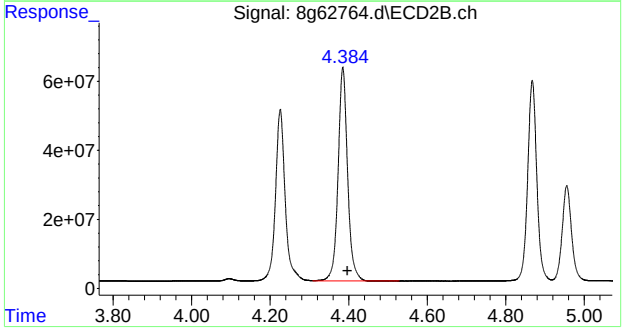
#3 hexachlorobenzene

R.T.: 4.226 min
Delta R.T.: -0.012 min
Response: 850046521
Conc: 4.61 PPB



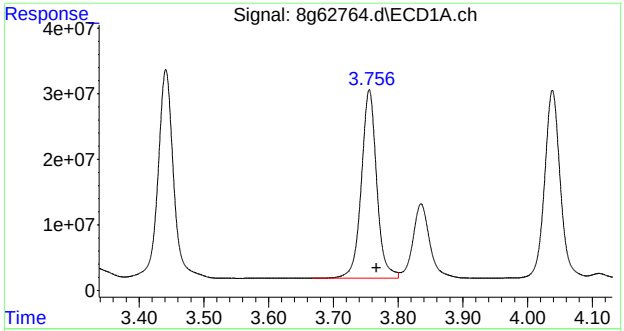
#4 alpha-BHC

R.T.: 3.441 min
Delta R.T.: -0.011 min
Response: 530480593
Conc: 5.40 PPB



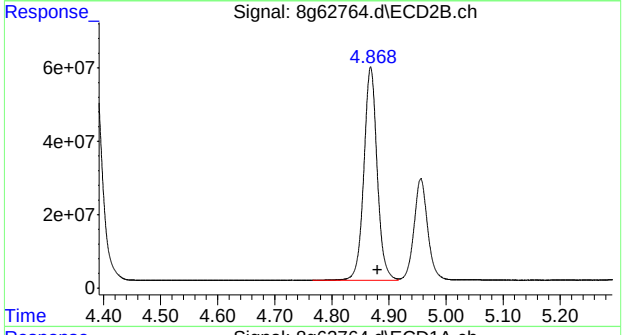
#4 alpha-BHC

R.T.: 4.385 min
Delta R.T.: -0.012 min
Response: 1042339436
Conc: 4.84 PPB



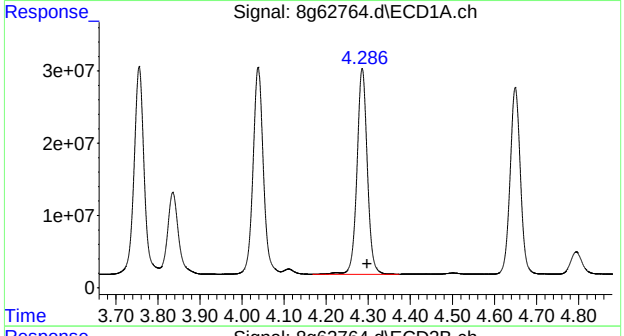
#5 gamma-BHC

R.T.: 3.756 min
Delta R.T.: -0.011 min
Response: 475259674
Conc: 5.88 PPB



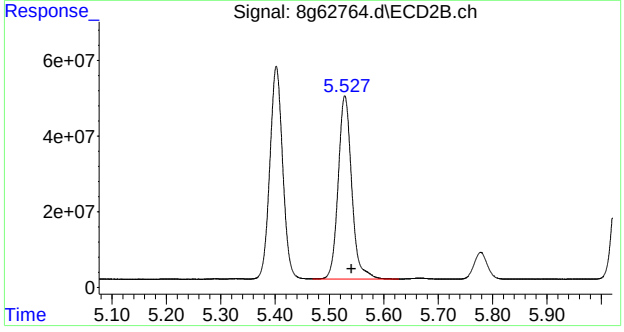
#5 gamma-BHC

R.T.: 4.868 min
Delta R.T.: -0.012 min
Response: 938998994
Conc: 4.93 PPB



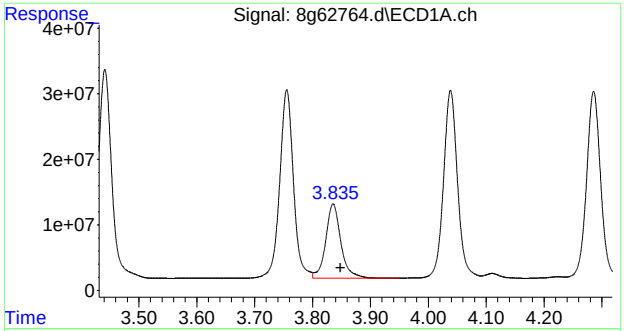
#6 Heptachlor

R.T.: 4.286 min
Delta R.T.: -0.011 min
Response: 486410051
Conc: 5.84 PPB



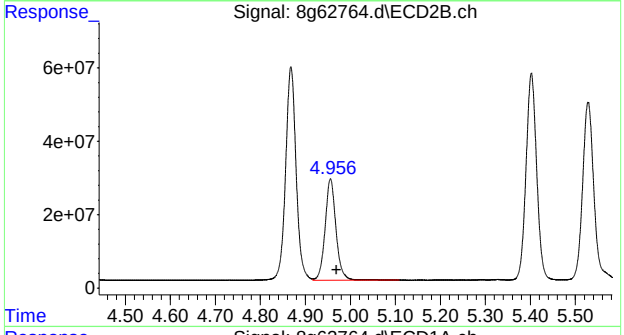
#6 Heptachlor

R.T.: 5.528 min
Delta R.T.: -0.012 min
Response: 839324128
Conc: 4.99 PPB



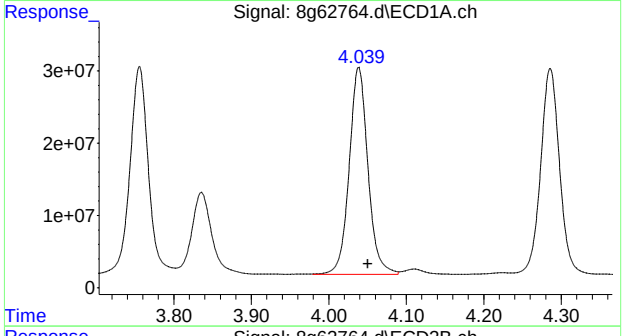
#7 beta-BHC

R.T.: 3.836 min
Delta R.T.: -0.012 min
Response: 206195363
Conc: 5.40 PPB



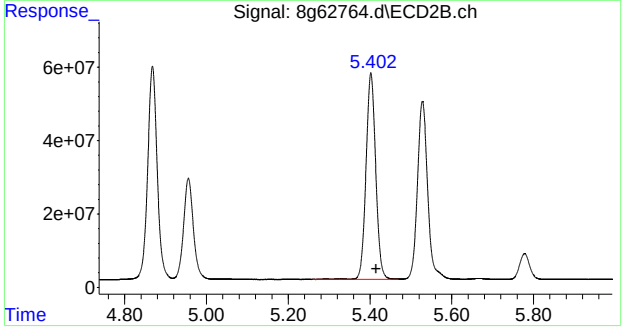
#7 beta-BHC

R.T.: 4.956 min
Delta R.T.: -0.013 min
Response: 462861520
Conc: 4.76 PPB



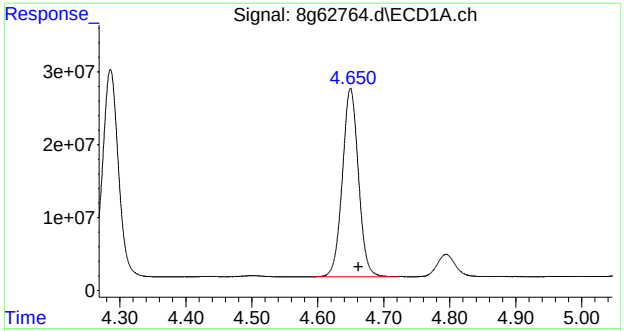
#8 delta-BHC

R.T.: 4.039 min
Delta R.T.: -0.012 min
Response: 480810832
Conc: 5.93 PPB m



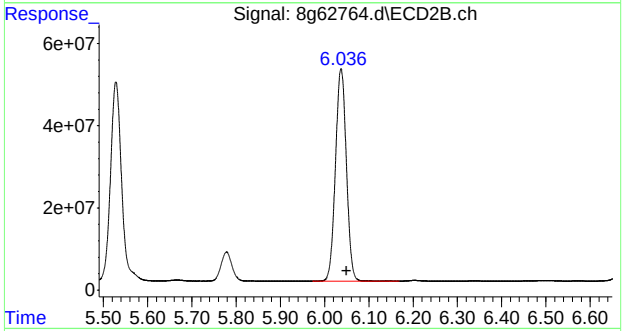
#8 delta-BHC

R.T.: 5.402 min
Delta R.T.: -0.013 min
Response: 925448733
Conc: 5.02 PPB



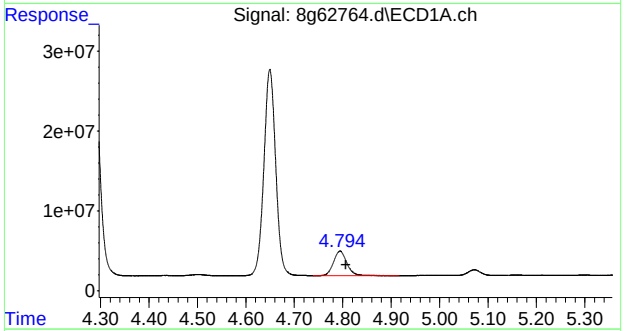
#9 Aldrin

R.T.: 4.650 min
Delta R.T.: -0.012 min
Response: 437466680
Conc: 5.94 PPB m



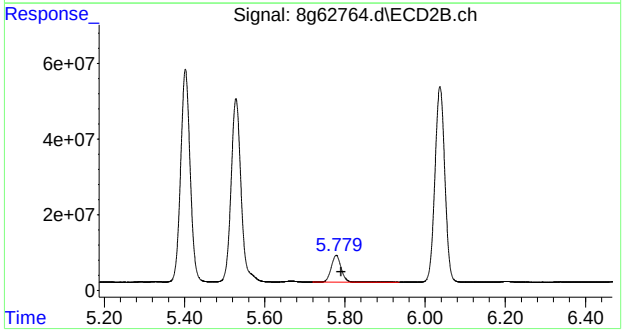
#9 Aldrin

R.T.: 6.037 min
Delta R.T.: -0.012 min
Response: 884262583
Conc: 5.08 PPB



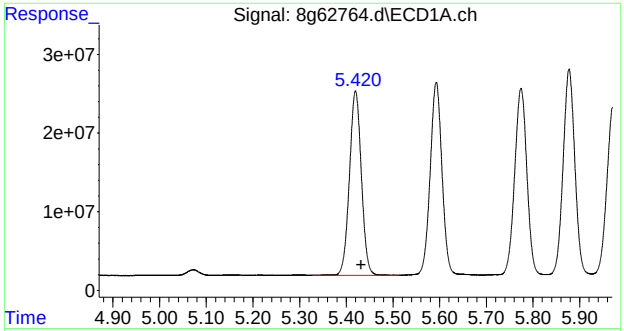
#10 alachlor

R.T.: 4.795 min
Delta R.T.: -0.011 min
Response: 58687388
Conc: 5.32 PPB



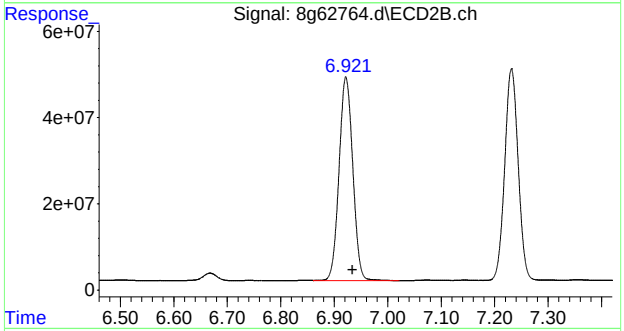
#10 alachlor

R.T.: 5.778 min
Delta R.T.: -0.012 min
Response: 120093916
Conc: 4.62 PPB



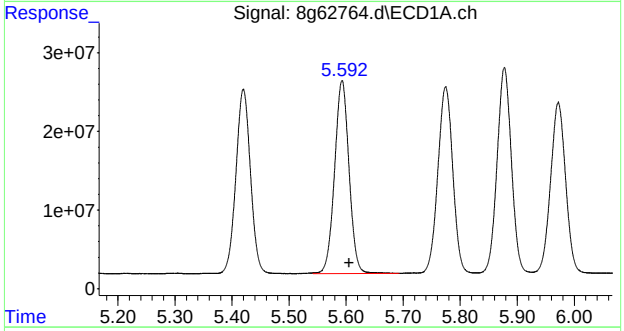
#11 Heptachlor Epoxide

R.T.: 5.420 min
Delta R.T.: -0.012 min
Response: 415435504
Conc: 5.72 PPB



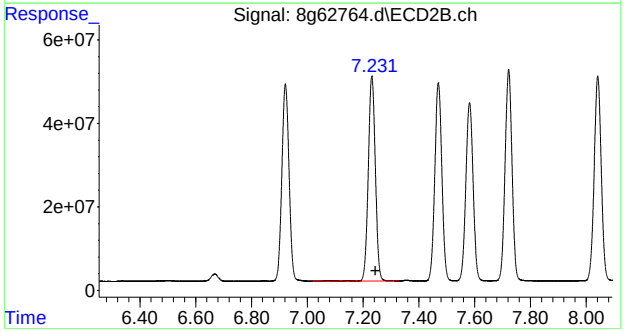
#11 Heptachlor Epoxide

R.T.: 6.922 min
Delta R.T.: -0.012 min
Response: 840365685
Conc: 5.11 PPB



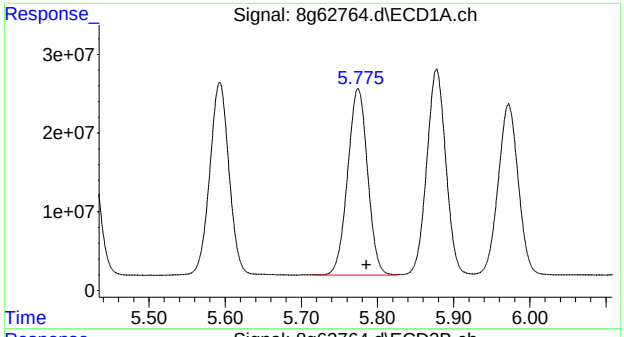
#12 gamma-Chlordane

R.T.: 5.593 min
Delta R.T.: -0.012 min
Response: 431690276
Conc: 5.58 PPB



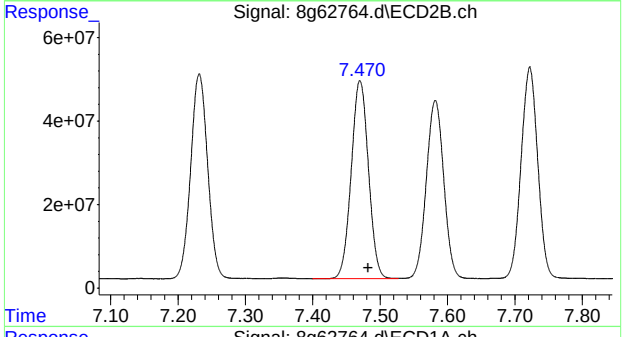
#12 gamma-Chlordane

R.T.: 7.232 min
Delta R.T.: -0.013 min
Response: 861215726
Conc: 5.30 PPB



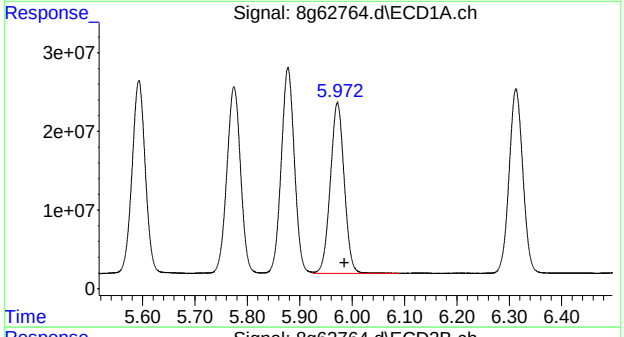
#13 alpha-Chlordane

R.T.: 5.775 min
Delta R.T.: -0.011 min
Response: 431603701
Conc: 5.99 PPB



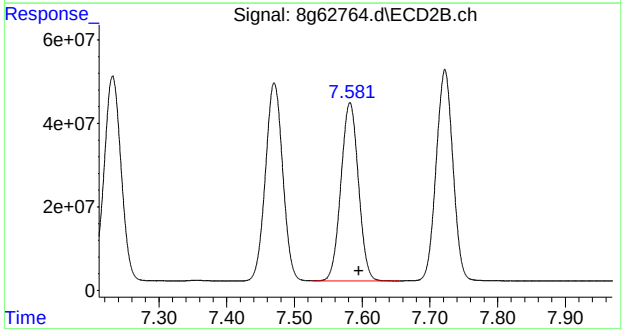
#13 alpha-Chlordane

R.T.: 7.470 min
Delta R.T.: -0.012 min
Response: 842225796
Conc: 5.21 PPB



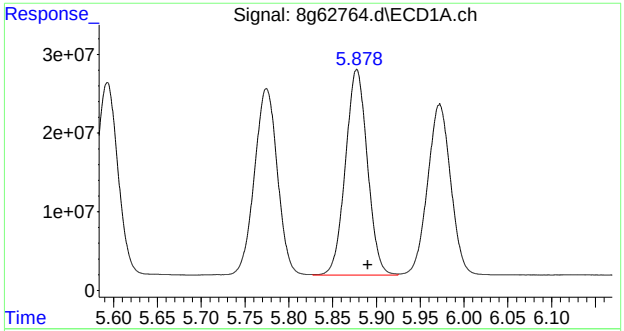
#14 Endosulfan I

R.T.: 5.972 min
Delta R.T.: -0.013 min
Response: 398798314
Conc: 5.92 PPB



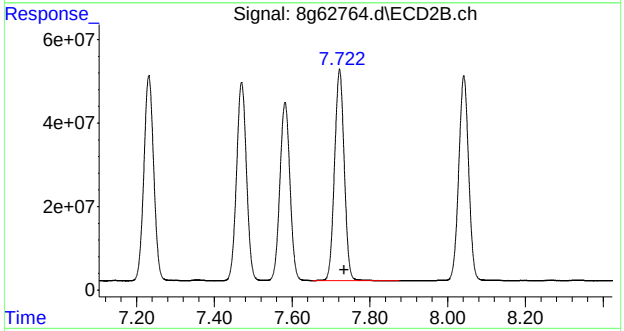
#14 Endosulfan I

R.T.: 7.582 min
Delta R.T.: -0.013 min
Response: 768830745
Conc: 5.19 PPB



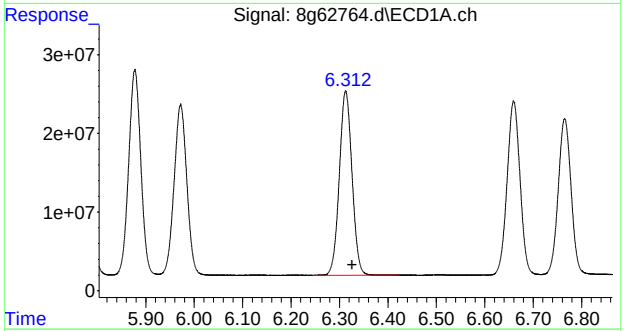
#15 4,4'-DDE

R.T.: 5.878 min
Delta R.T.: -0.012 min
Response: 455528786
Conc: 6.17 PPB



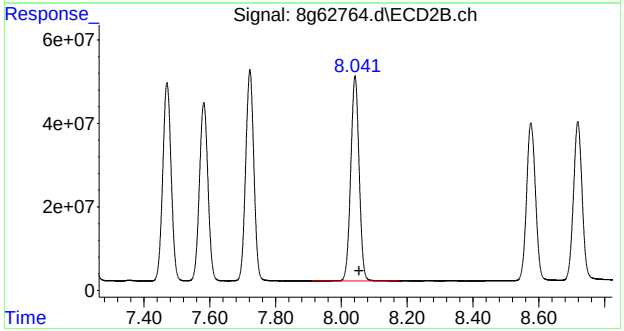
#15 4,4'-DDE

R.T.: 7.722 min
Delta R.T.: -0.011 min
Response: 873222108
Conc: 5.58 PPB



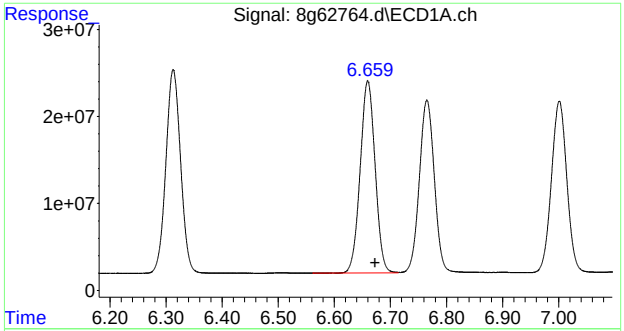
#16 Dieldrin

R.T.: 6.313 min
Delta R.T.: -0.013 min
Response: 426236900
Conc: 5.81 PPB



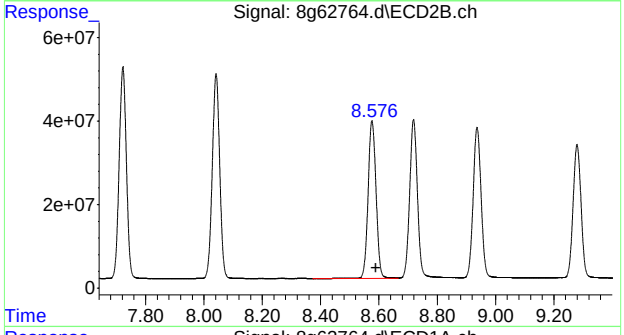
#16 Dieldrin

R.T.: 8.042 min
Delta R.T.: -0.013 min
Response: 868371789
Conc: 5.19 PPB



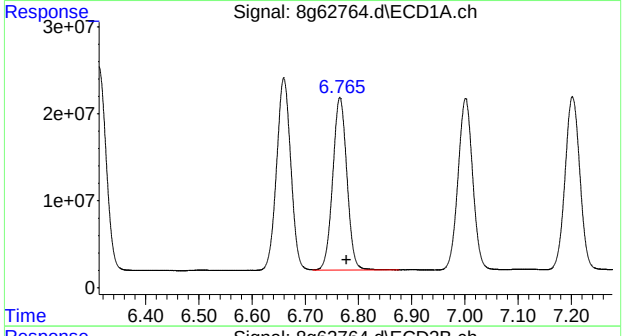
#17 Endrin

R.T.: 6.660 min
Delta R.T.: -0.013 min
Response: 408904298
Conc: 7.07 PPB



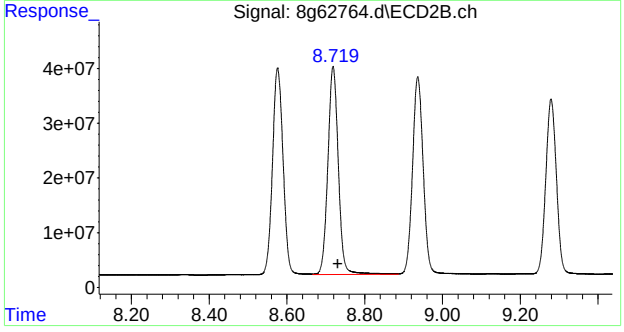
#17 Endrin

R.T.: 8.577 min
Delta R.T.: -0.013 min
Response: 718605403
Conc: 5.96 PPB



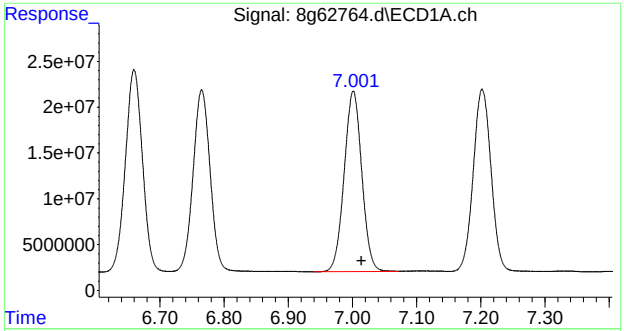
#18 4,4'-DDD

R.T.: 6.765 min
Delta R.T.: -0.012 min
Response: 366512794
Conc: 5.93 PPB



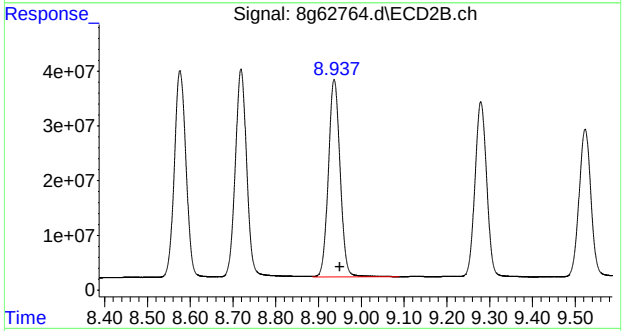
#18 4,4'-DDD

R.T.: 8.719 min
Delta R.T.: -0.011 min
Response: 712984545
Conc: 5.18 PPB



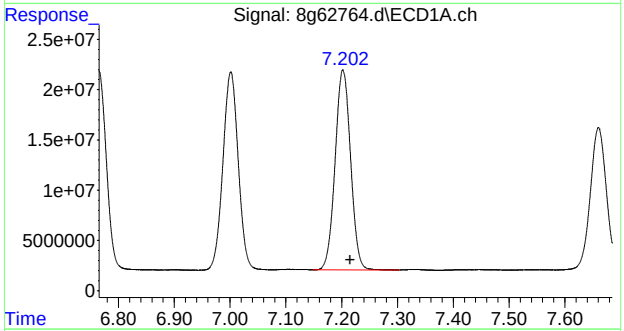
#19 Endosulfan II

R.T.: 7.001 min
Delta R.T.: -0.013 min
Response: 375295856
Conc: 5.82 PPB



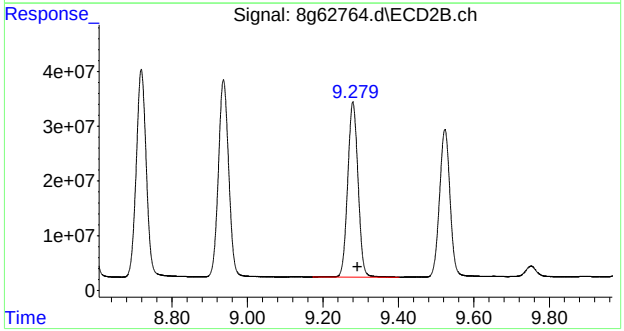
#19 Endosulfan II

R.T.: 8.937 min
Delta R.T.: -0.013 min
Response: 685936659
Conc: 4.90 PPB



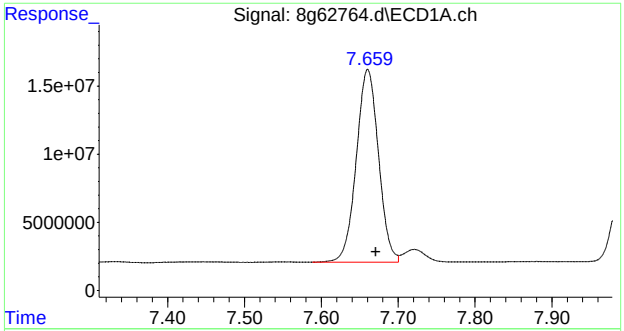
#20 4,4'-DDT

R.T.: 7.202 min
Delta R.T.: -0.013 min
Response: 383483820
Conc: 6.15 PPB



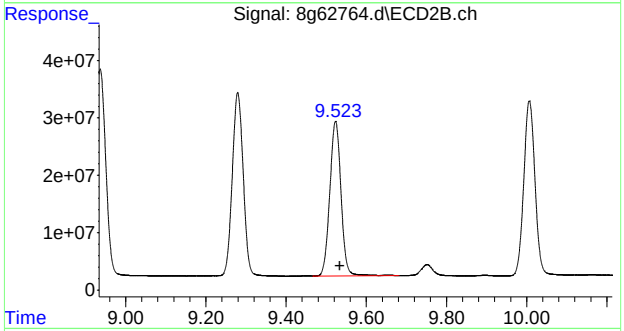
#20 4,4'-DDT

R.T.: 9.280 min
Delta R.T.: -0.012 min
Response: 607866647
Conc: 5.34 PPB



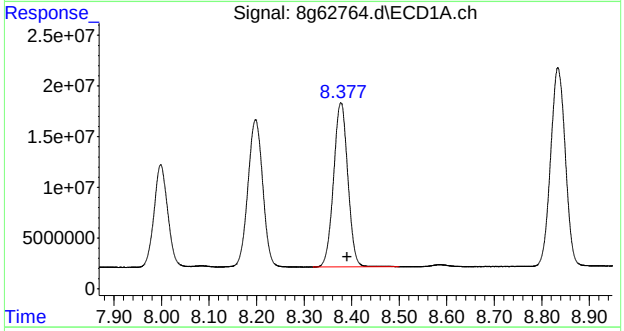
#21 Endrin Aldehyde

R.T.: 7.659 min
Delta R.T.: -0.011 min
Response: 284411588
Conc: 5.36 PPB m



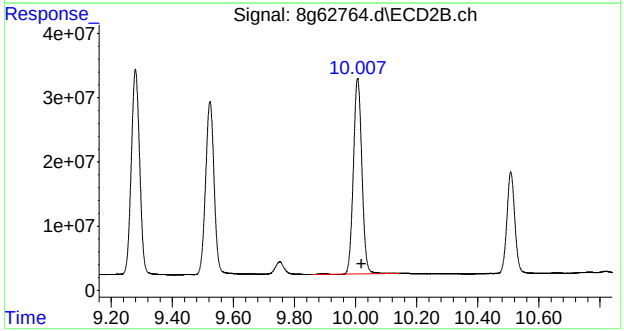
#21 Endrin Aldehyde

R.T.: 9.523 min
Delta R.T.: -0.011 min
Response: 522157878
Conc: 4.75 PPB



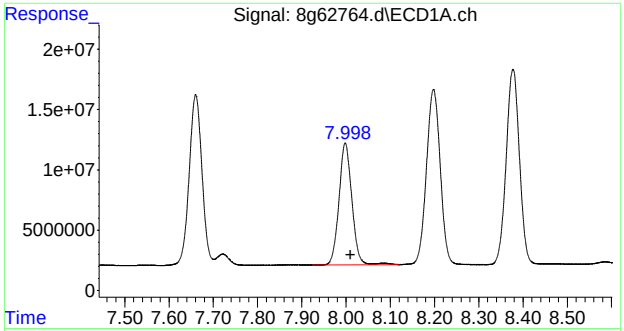
#22 Endosulfan Sulfate

R.T.: 8.377 min
Delta R.T.: -0.013 min
Response: 337393491
Conc: 5.62 PPB



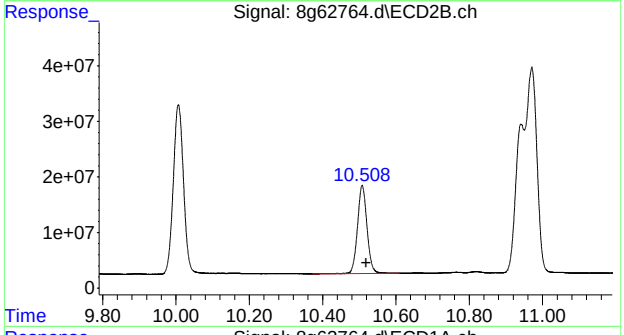
#22 Endosulfan Sulfate

R.T.: 10.007 min
Delta R.T.: -0.012 min
Response: 588135600
Conc: 4.65 PPB



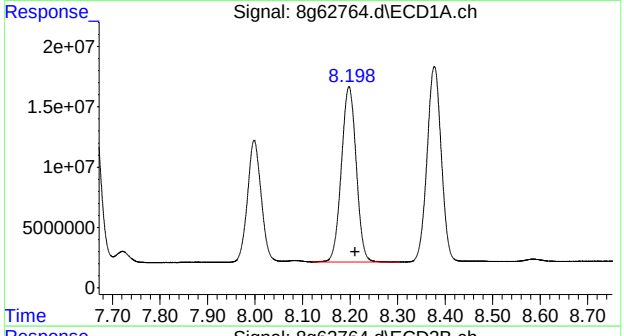
#23 Methoxychlor

R.T.: 7.999 min
Delta R.T.: -0.012 min
Response: 205057867
Conc: 5.66 PPB



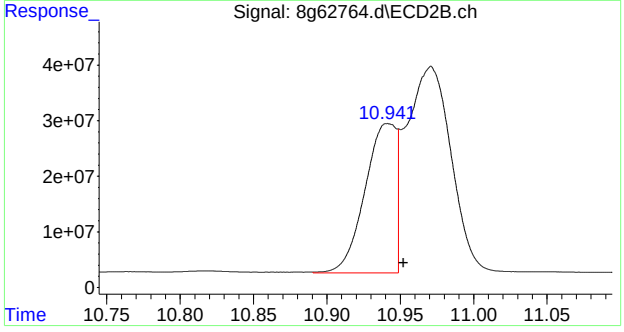
#23 Methoxychlor

R.T.: 10.508 min
Delta R.T.: -0.011 min
Response: 287085006
Conc: 5.07 PPB



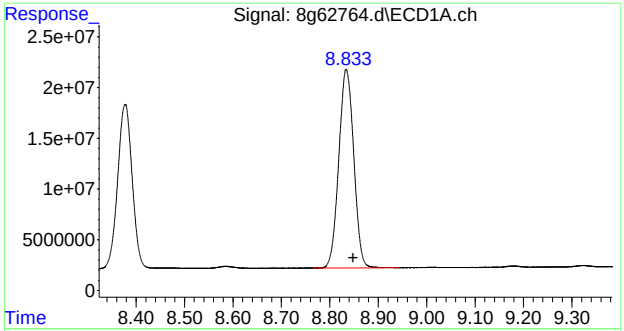
#24 Mirex

R.T.: 8.198 min
Delta R.T.: -0.012 min
Response: 314897243
Conc: 5.73 PPB



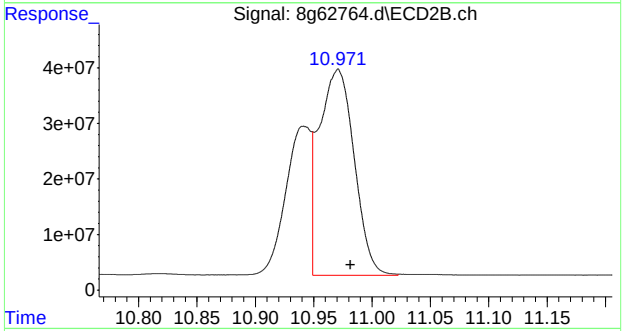
#24 Mirex

R.T.: 10.941 min
Delta R.T.: -0.011 min
Response: 406073453
Conc: 5.01 PPB m



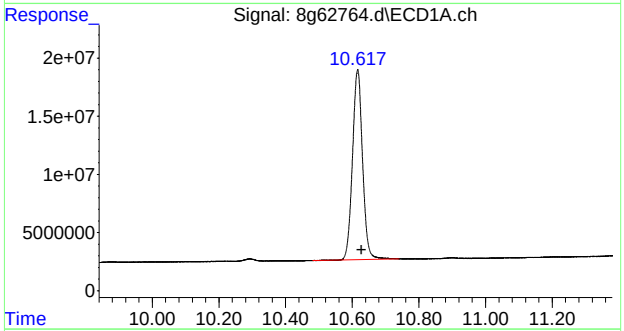
#25 Endrin Ketone

R.T.: 8.834 min
Delta R.T.: -0.013 min
Response: 419834330
Conc: 5.53 PPB



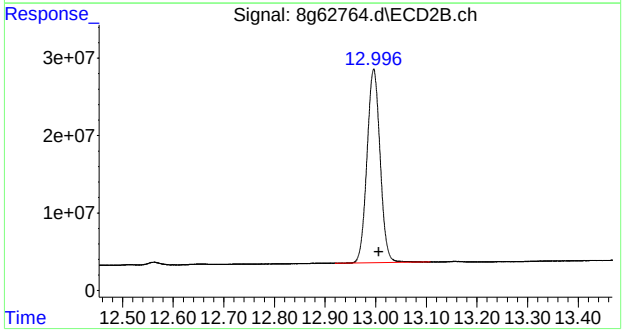
#25 Endrin Ketone

R.T.: 10.971 min
Delta R.T.: -0.011 min
Response: 768525969
Conc: 4.45 PPB m



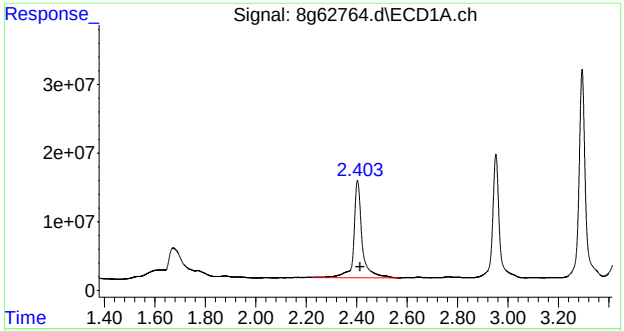
#26 Decachlorobiphenyl

R.T.: 10.616 min
Delta R.T.: -0.011 min
Response: 340030222
Conc: 5.72 PPB



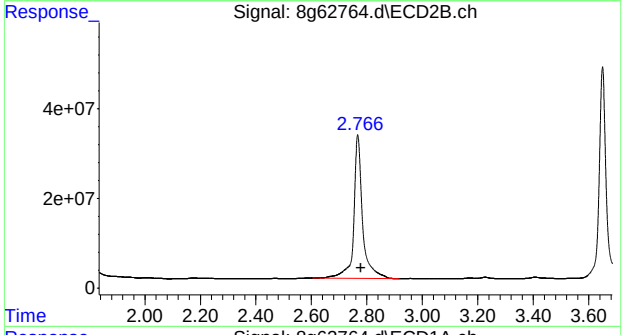
#26 Decachlorobiphenyl

R.T.: 12.996 min
Delta R.T.: -0.010 min
Response: 449225482
Conc: 4.58 PPB



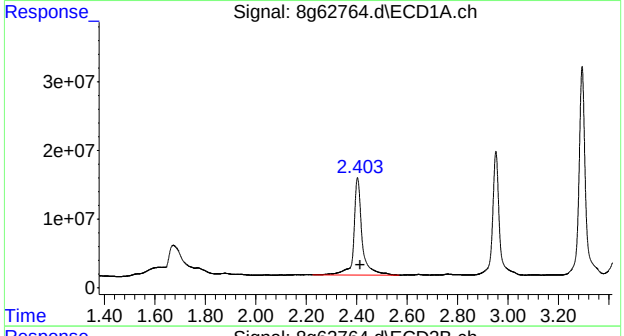
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.404 min
Delta R.T.: -0.010 min
Response: 320089610
Conc: 5.00 PPB



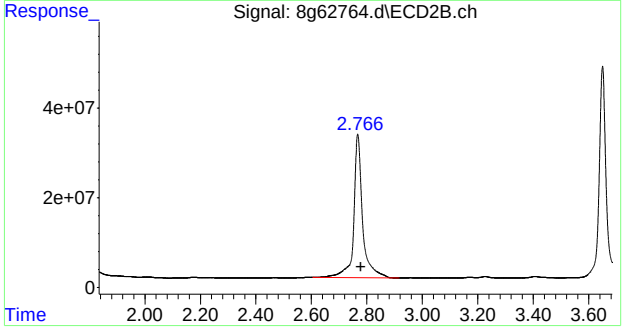
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.768 min
Delta R.T.: -0.010 min
Response: 707247898
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.404 min
Delta R.T.: -0.010 min
Response: 320089610
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.768 min
Delta R.T.: -0.010 min
Response: 707247898
Conc: 5.00 PPB

Manual Integration Approval Summary

Sample Number: G8G2700-CC2596 **Method:** SW846 8081B
Lab FileID: 8G62764.D **Analyst approved:** 12/03/24 08:06 Christopher Changho
Injection Time: 12/03/24 01:07 **Supervisor approved:** 12/03/24 16:36 Gwendolyn Burns

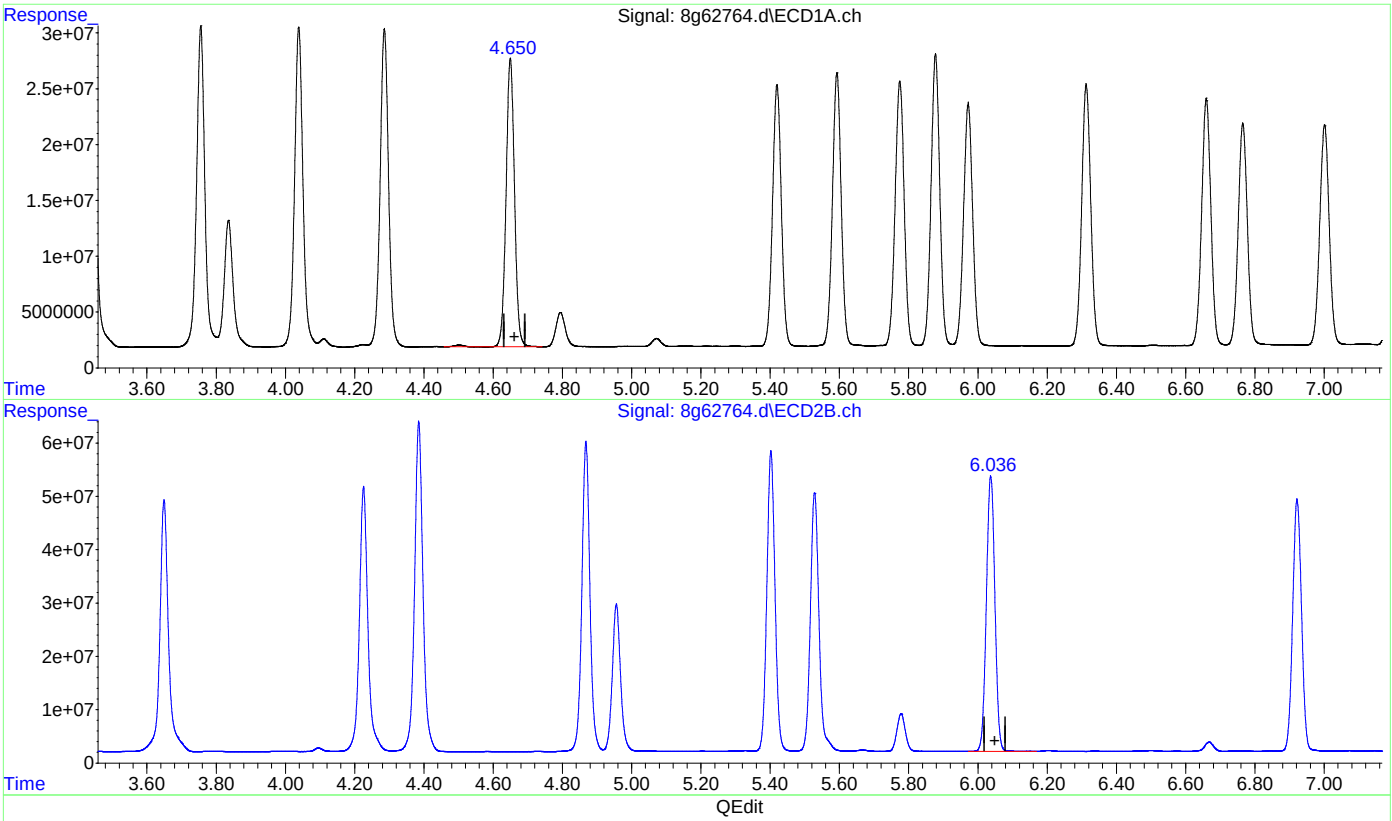
Parameter	CAS	Sig#	R.T. (min.)	Reason
delta-BHC	319-86-8	1	4.04	Poorly defined baseline
Aldrin	309-00-2	1	4.65	Poorly defined baseline
Endrin aldehyde	7421-93-4	1	7.66	Poorly defined baseline
Mirex	2385-85-5	2	10.94	Poorly defined baseline
Endrin ketone	53494-70-5	2	10.97	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62764.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 1:07 am
Operator : christp
Sample : cc2596-5
Misc : op59749,g8g2700,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:00:17 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(9) Aldrin (MB)

4.650min 5.966 PPB

response 439077446

(9) Aldrin #2 (MB)

6.037min 5.078 PPB

response 884262583

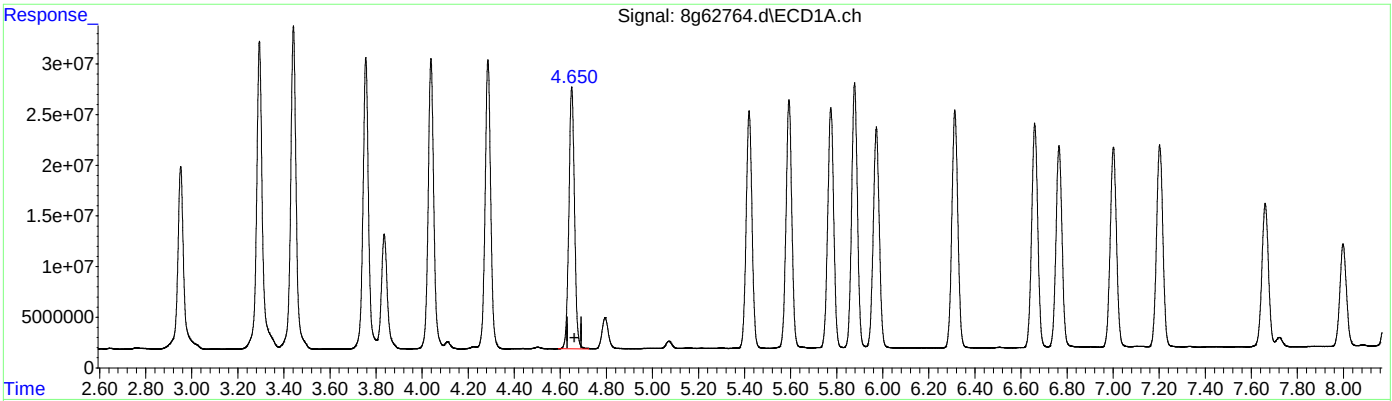
(+) = Expected Retention Time

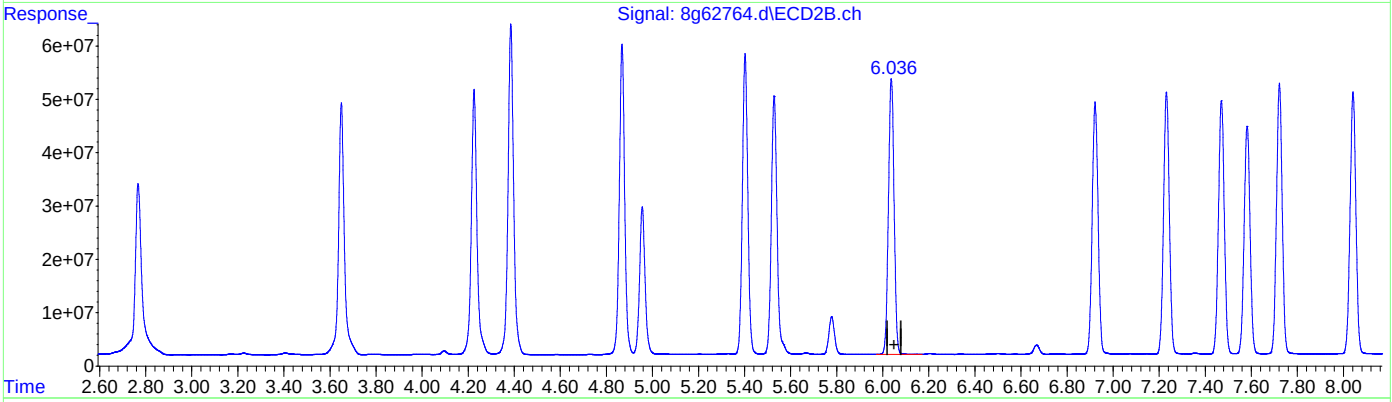
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62764.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 1:07 am
Operator : christp
Sample : cc2596-5
Misc : op59749,g8g2700,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:00:17 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(9) Aldrin (MB)

4.650min 5.944 PPB m

response 437466680

(9) Aldrin #2 (MB)

6.037min 5.078 PPB

response 884262583

(+) = Expected Retention Time

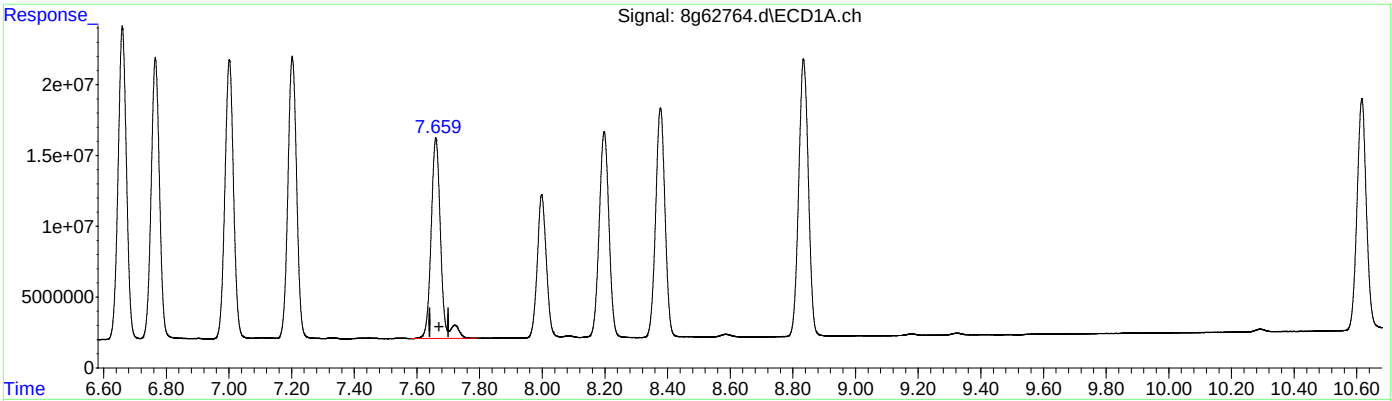
8PSTLVI2596a.M Tue Dec 03 12:01:09 2024

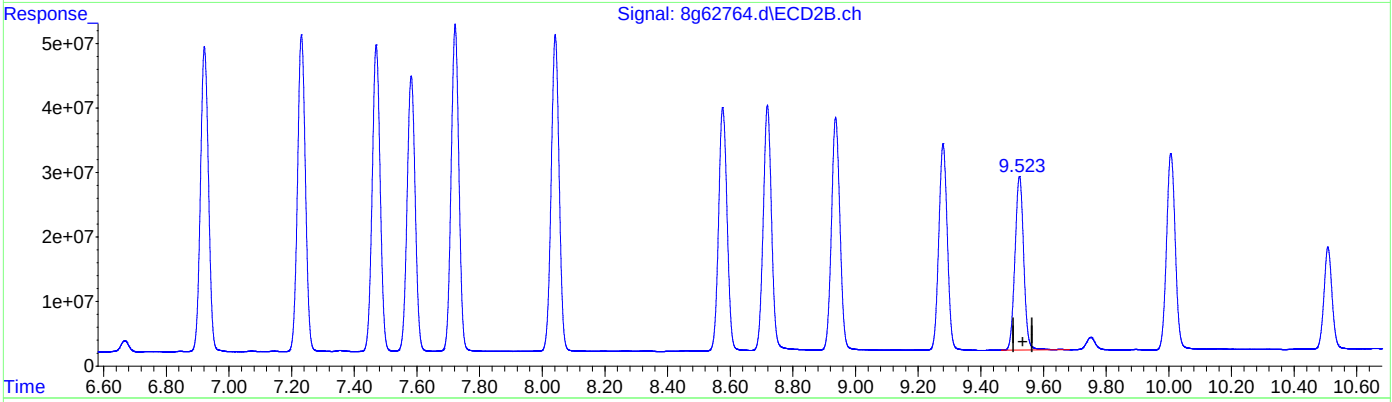
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62764.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 1:07 am
Operator : christp
Sample : cc2596-5
Misc : op59749,g8g2700,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:00:17 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(21) Endrin Aldehyde (B)

7.660min 5.703 PPB

response 302417080

(21) Endrin Aldehyde #2 (B)

9.523min 4.751 PPB

response 522157878

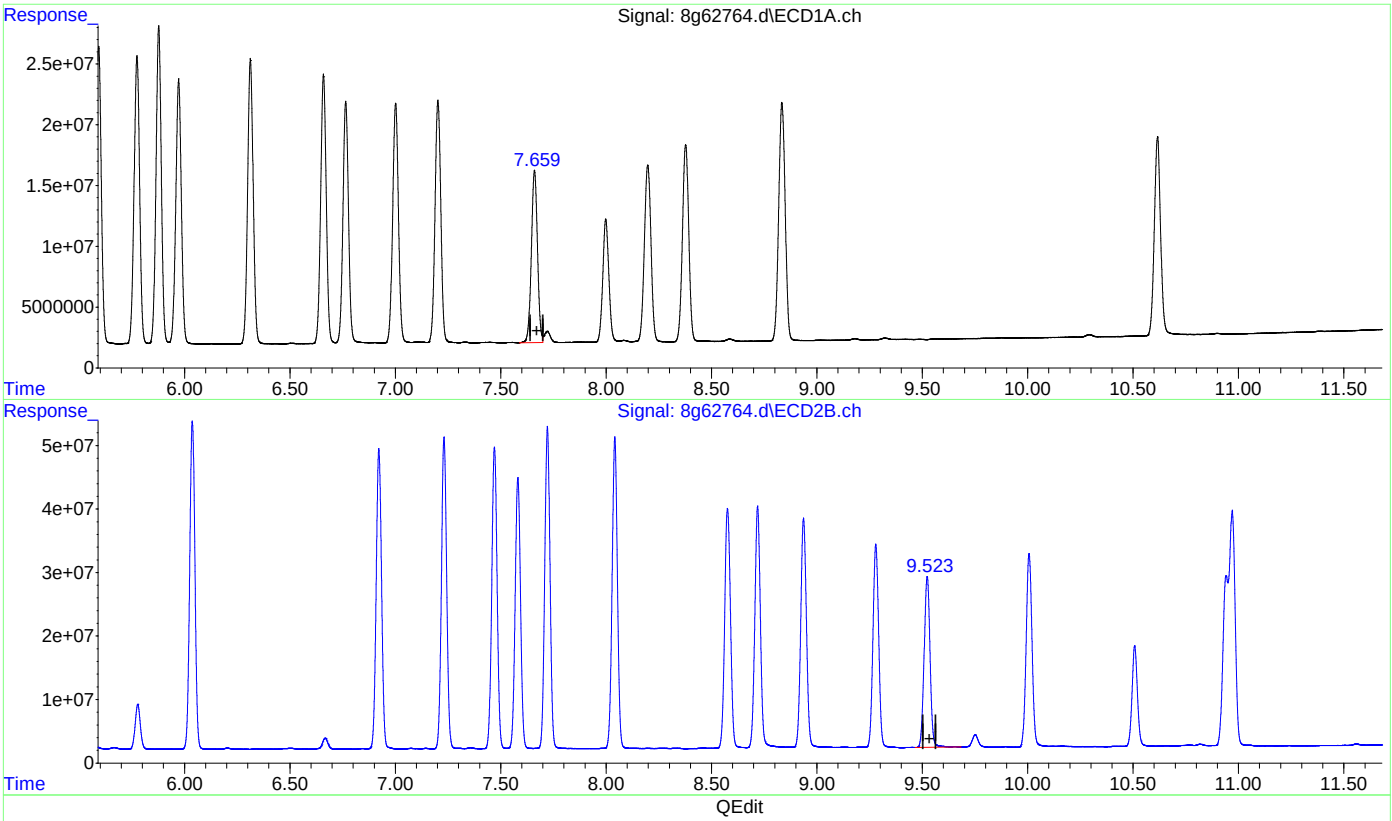
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:01:17 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62764.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 1:07 am
Operator : christp
Sample : cc2596-5
Misc : op59749,g8g2700,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:00:17 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(21) Endrin Aldehyde (B)

7.659min 5.363 PPB m

response 284411588

(21) Endrin Aldehyde #2 (B)

9.523min 4.751 PPB

response 522157878

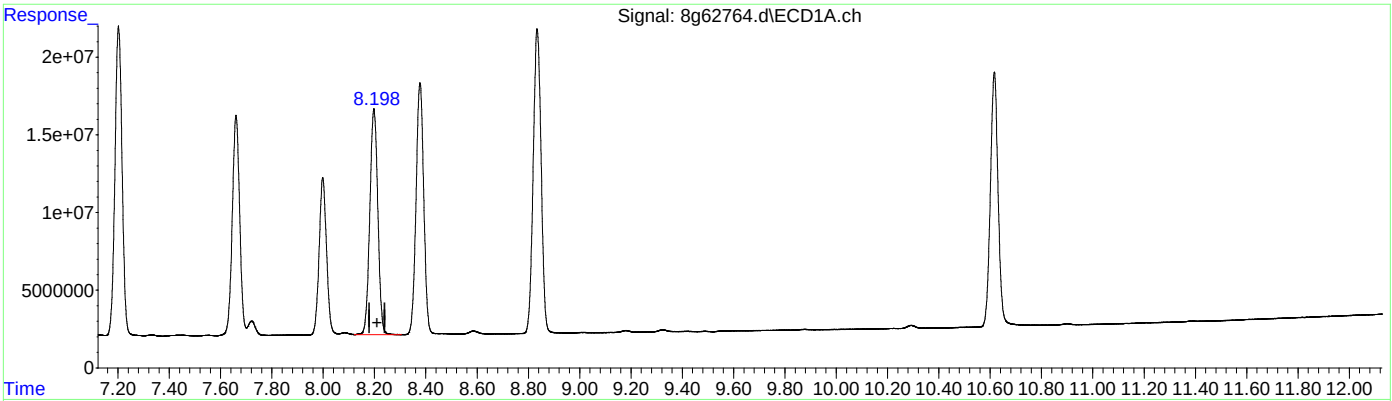
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:01:23 2024

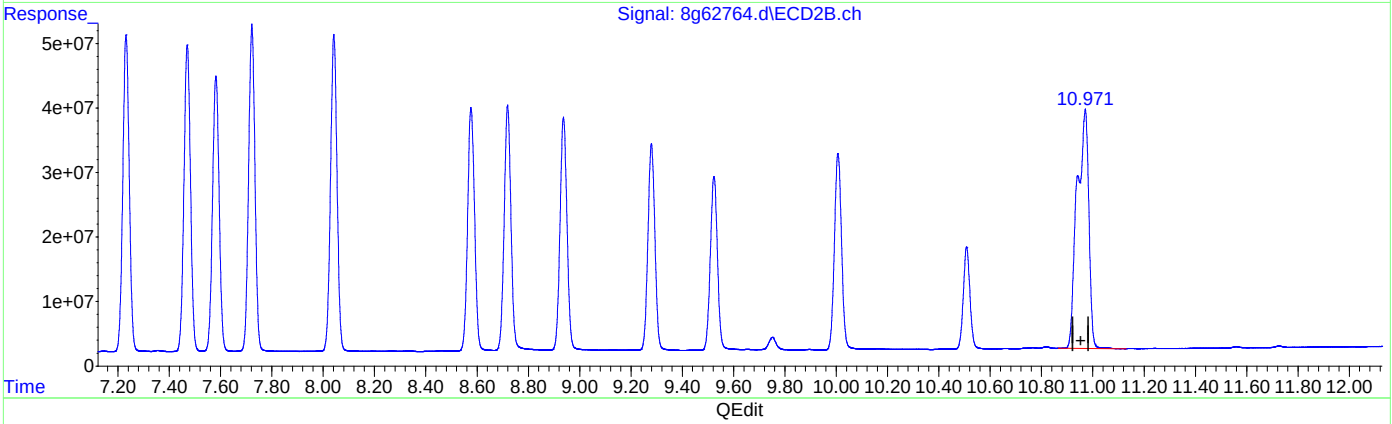
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62764.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 1:07 am
Operator : christp
Sample : cc2596-5
Misc : op59749,g8g2700,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:00:17 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(24) Mirex

8.198min 5.727 PPB

response 314897243

(24) Mirex #2

10.970min 14.471 PPB

response 1173530589

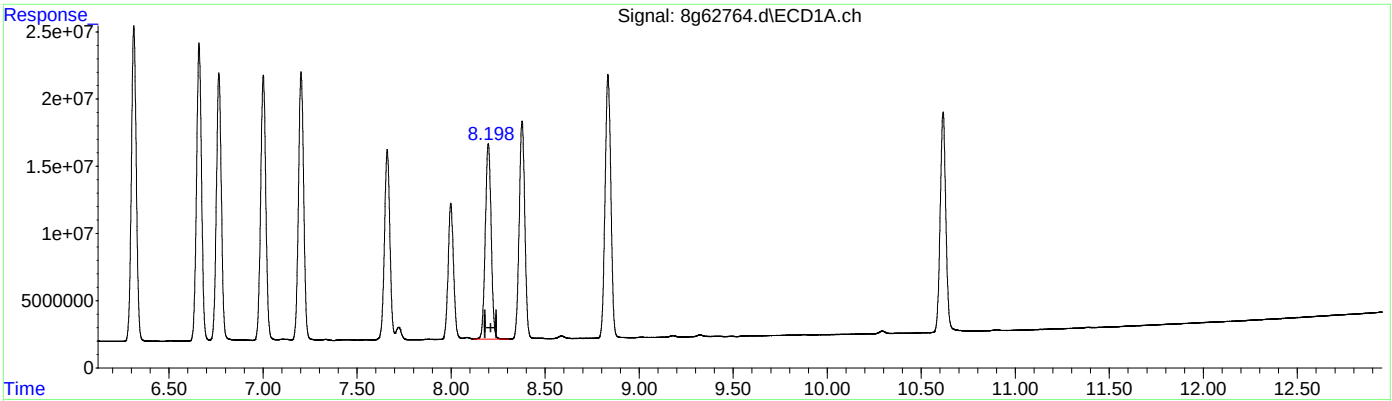
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:01:28 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62764.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 1:07 am
Operator : christp
Sample : cc2596-5
Misc : op59749,g8g2700,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:00:17 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(24) Mirex

8.198min 5.727 PPB

response 314897243

(24) Mirex #2

10.941min 5.007 PPB m

response 406073453

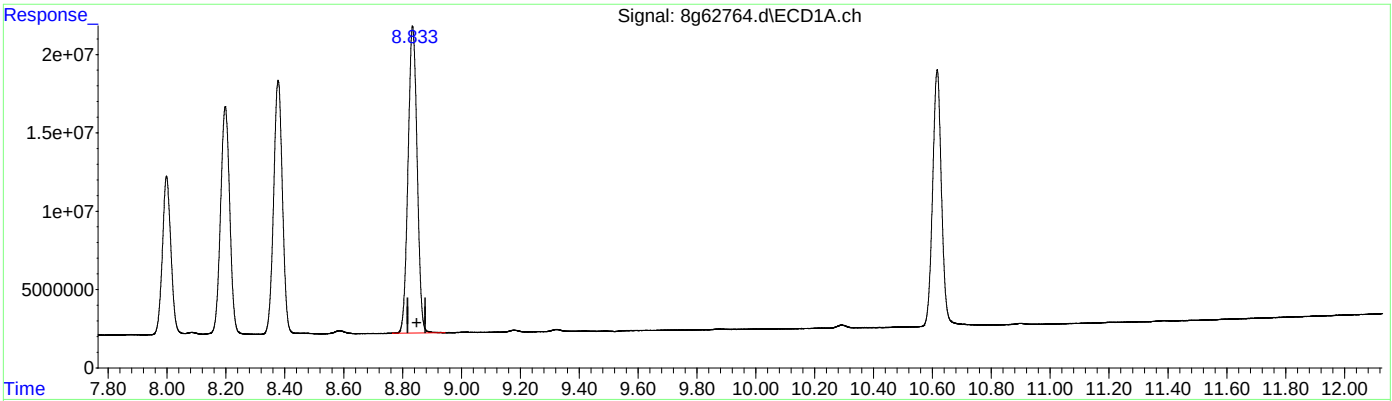
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:01:34 2024

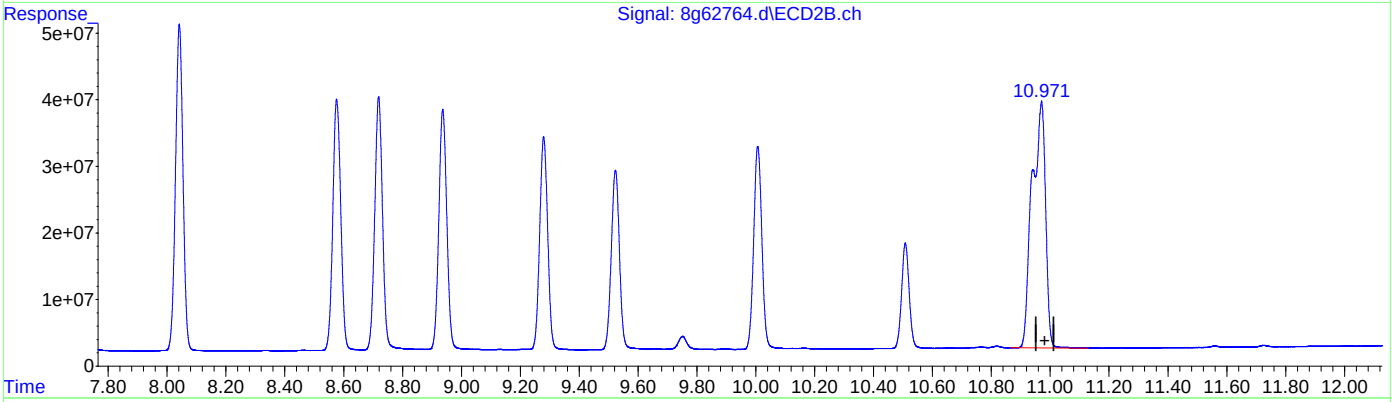
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62764.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 1:07 am
Operator : christp
Sample : cc2596-5
Misc : op59749,g8g2700,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:00:17 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(25) Endrin Ketone (B)

8.834min 5.527 PPB

response 419834330

(25) Endrin Ketone #2 (B)

10.970min 6.792 PPB

response 1173530589

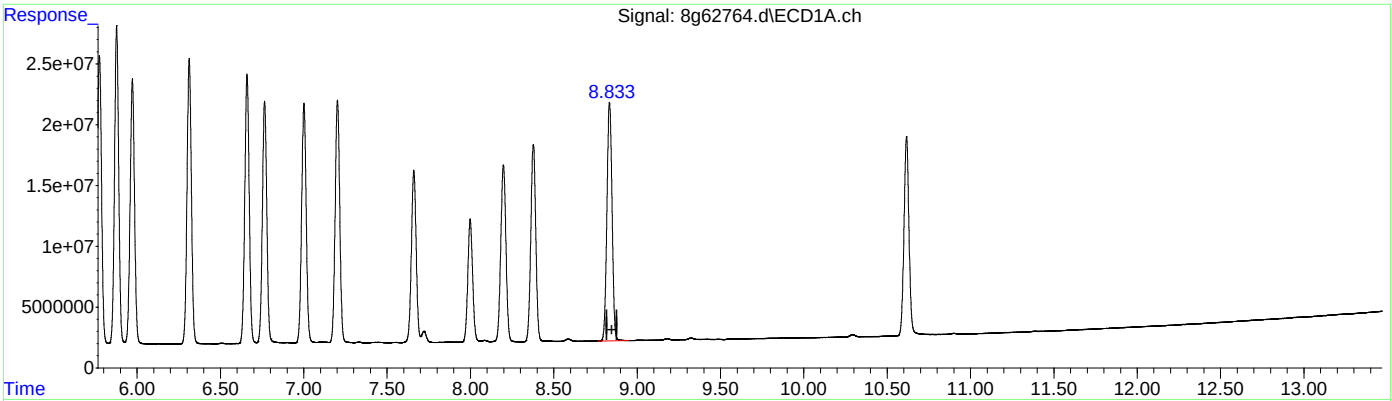
(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:01:35 2024

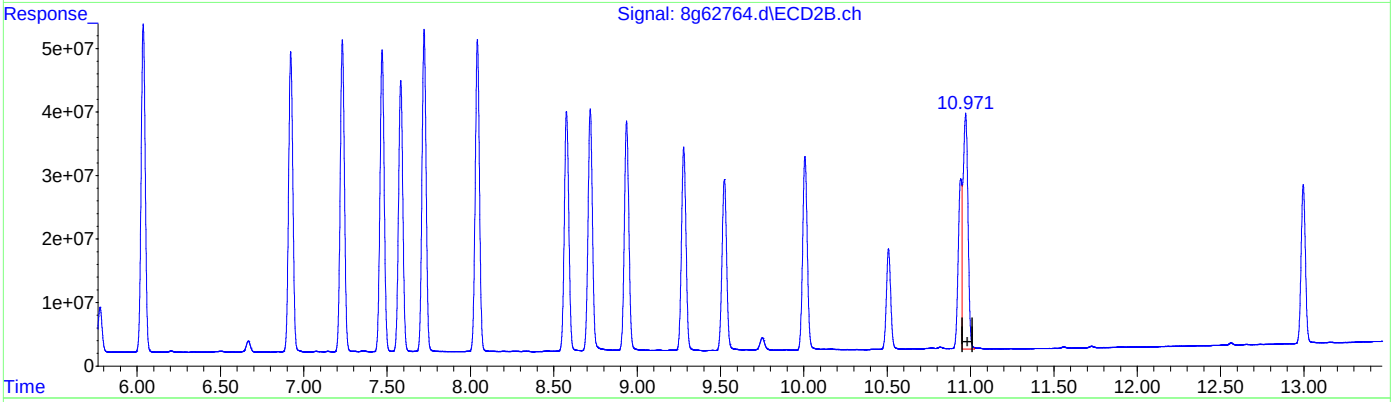
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62764.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 1:07 am
Operator : christp
Sample : cc2596-5
Misc : op59749,g8g2700,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:00:17 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(25) Endrin Ketone (B)

8.834min 5.527 PPB

response 419834330

(25) Endrin Ketone #2 (B)

10.971min 4.448 PPB m

response 768525969

(+) = Expected Retention Time
8PSTLVI2596a.M Tue Dec 03 12:01:52 2024

Manual Integrations APPROVED
(compounds with "m" flag)
Gwendolyn Burns
12/04/24 20:03

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\
Data File : 8g62795a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59740,g8g2702,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 14:37:05 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1)	I 1-bromo-2...	2.415	2.778	309.9E6	711.3E6	5.000m	5.000m
27)	I 1-bromo-2...	2.415	2.778	309.2E6	711.6E6	5.000m	5.000
33)	I 1-bromo-2...	2.415	2.778	313.7E6	711.6E6	5.000m	5.000
	System Monitoring Compounds						
2)	SAB Tetrachlo...	2.959	3.656	327.9E6	844.1E6	5.484	4.843
	Spiked Amount 40.000	Range 30 - 150		Recovery =	13.71%#	12.11%#	
26)	SA Decachlor...	10.616	12.997	307.3E6	415.3E6	5.342m	4.213m
	Spiked Amount 40.000			Recovery =	13.36%	10.53%	
	Target Compounds						
3)	hexachlor...	3.300	4.232	537.6E6	875.1E6	5.708	4.719
4)	A alpha-BHC	3.447	4.390	534.9E6	1132.5E6	5.581	5.231
5)	MA gamma-BHC	3.760	4.872	479.6E6	985.2E6	6.130	5.146
6)	MA Heptachlor	4.290	5.533	480.1E6	859.8E6	5.955	5.084m
7)	B beta-BHC	3.841	4.960	210.6E6	484.2E6	5.701	4.955
8)	B delta-BHC	4.042	5.406	499.3E6	988.3E6	6.356m	5.327m
9)	MB Aldrin	4.654	6.041	430.6E6	888.0E6	6.042	5.071
10)	alachlor	4.799	5.783	56503425	118.9E6	5.295	4.551
11)	B Heptachlo...	5.423	6.926	405.7E6	837.0E6	5.770	5.059
12)	B gamma-Chl...	5.596	7.235	421.6E6	848.1E6	5.627	5.186m
13)	B alpha-Chl...	5.778	7.474	419.6E6	830.3E6	6.013	5.111
14)	A Endosulfan I	5.976	7.586	386.9E6	759.1E6	5.935	5.098
15)	B 4,4'-DDE	5.881	7.725	436.5E6	851.6E6	6.112	5.407m
16)	MA Dieldrin	6.317	8.044	420.8E6	853.0E6	5.926	5.066m
17)	MA Endrin	6.664	8.580	382.5E6	681.3E6	6.832	5.616m
18)	A 4,4'-DDD	6.768	8.721	345.9E6	683.7E6	5.783	4.937
19)	B Endosulfa...	7.004	8.940	360.5E6	674.1E6	5.772	4.789m
20)	MA 4,4'-DDT	7.205	9.283	350.2E6	584.1E6	5.800	5.099
21)	B Endrin Al...	7.663	9.526	277.5E6	504.6E6	5.404	4.565
22)	B Endosulfa...	8.379	10.009	323.7E6	590.4E6	5.572	4.640
23)	A Methoxychlor	8.001	10.511	181.5E6	266.8E6	5.170	4.688
24)	Mirex	8.200	10.943	287.3E6	412.6E6	5.396	5.058m
25)	B Endrin Ke...	8.837	10.974	388.7E6	711.3E6	5.285	4.093m

SemiQuant Compounds - Not Calibrated on this Instrument

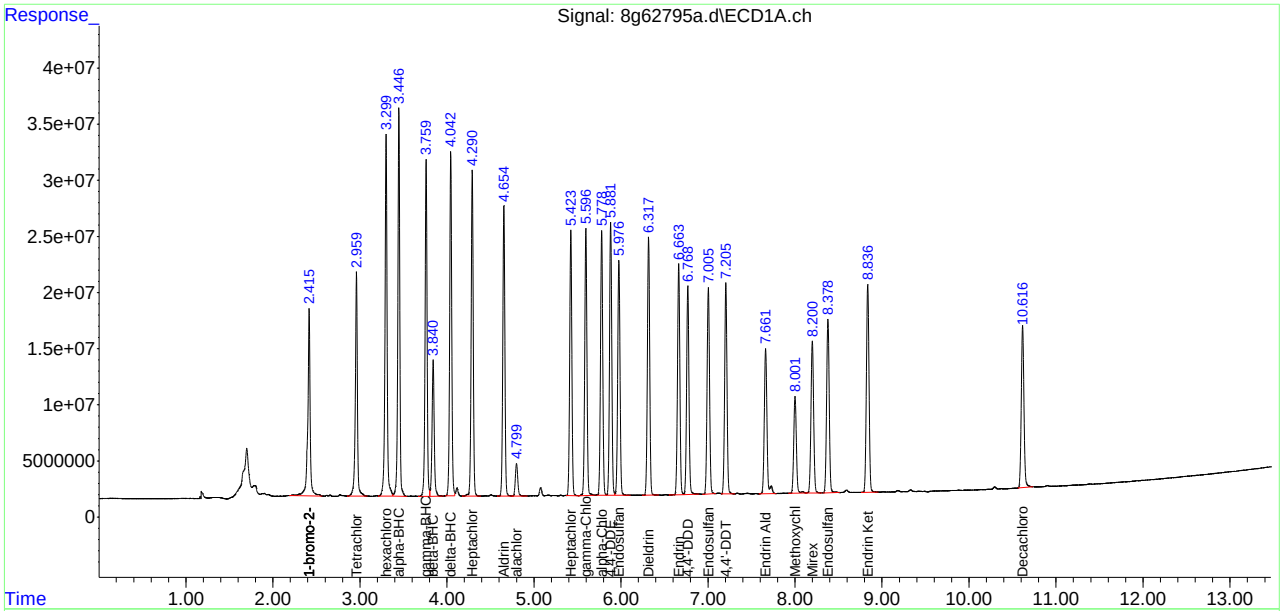
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

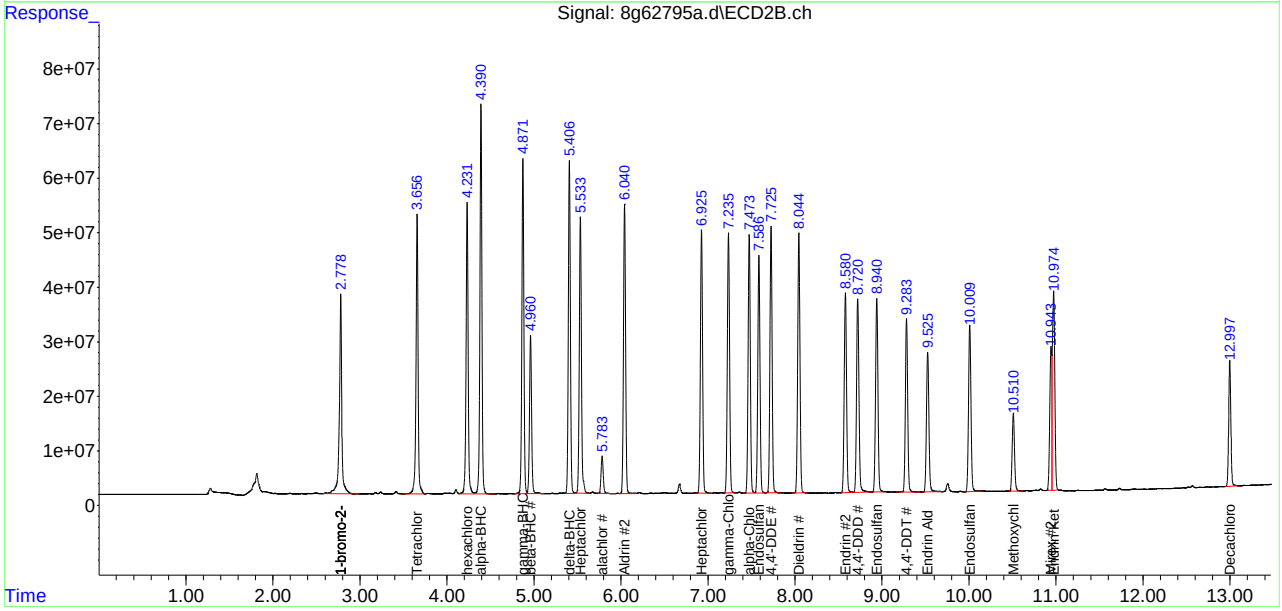
Quantitation Report (QT Reviewed)

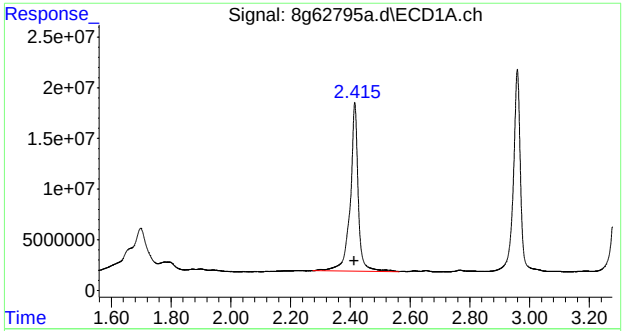
Data Path : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\
Data File : 8g62795a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59740,g8g2702,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 14:37:05 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

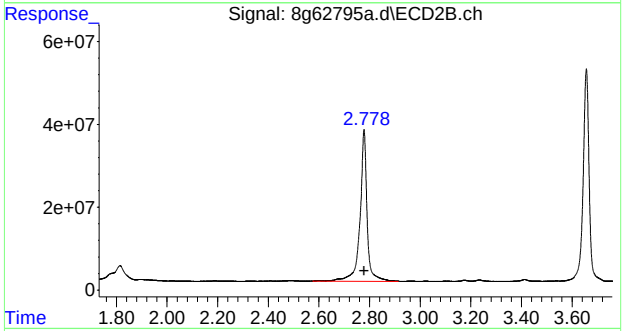






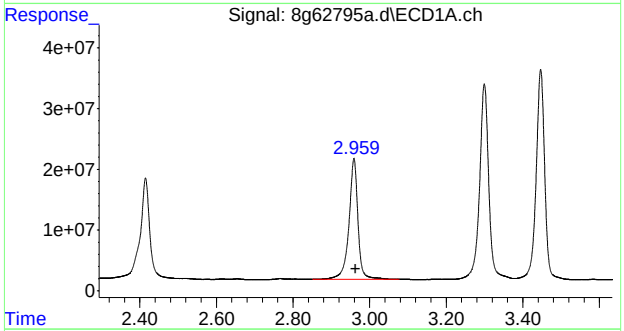
#1 1-bromo-2-nitrobenzene

R.T.: 2.415 min
Delta R.T.: 0.002 min
Response: 309905499
Conc: 5.00 PPB m



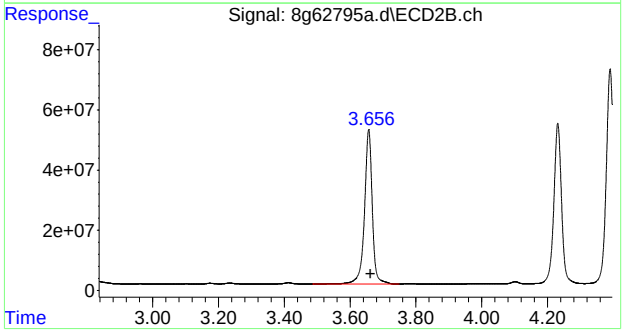
#1 1-bromo-2-nitrobenzene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 711323291
Conc: 5.00 PPB m



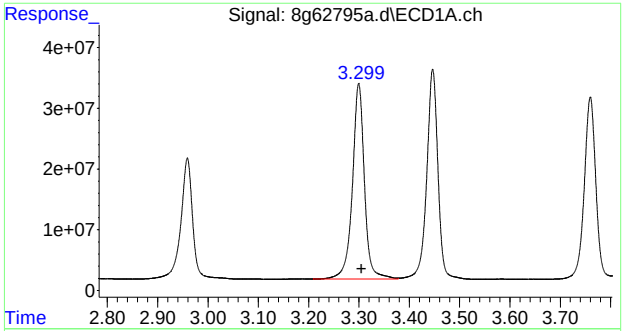
#2 Tetrachloro-m-xylene

R.T.: 2.959 min
Delta R.T.: -0.003 min
Response: 327866535
Conc: 5.48 PPB



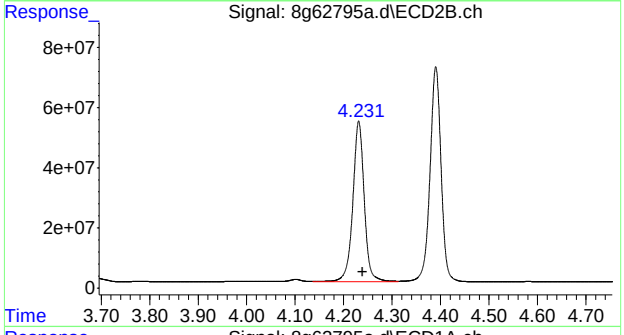
#2 Tetrachloro-m-xylene

R.T.: 3.656 min
Delta R.T.: -0.005 min
Response: 844064751
Conc: 4.84 PPB



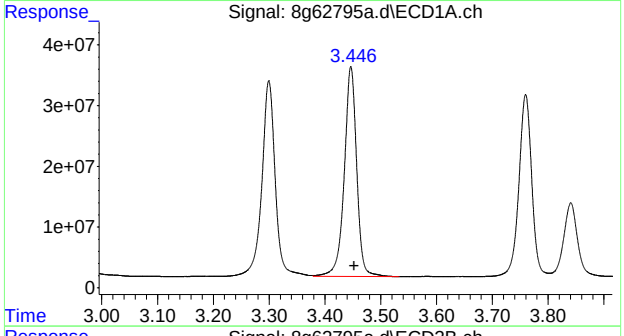
#3 hexachlorobenzene

R.T.: 3.300 min
Delta R.T.: -0.005 min
Response: 537625381
Conc: 5.71 PPB



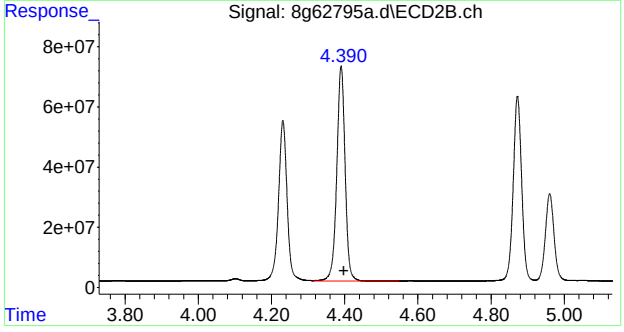
#3 hexachlorobenzene

R.T.: 4.232 min
Delta R.T.: -0.007 min
Response: 875109470
Conc: 4.72 PPB



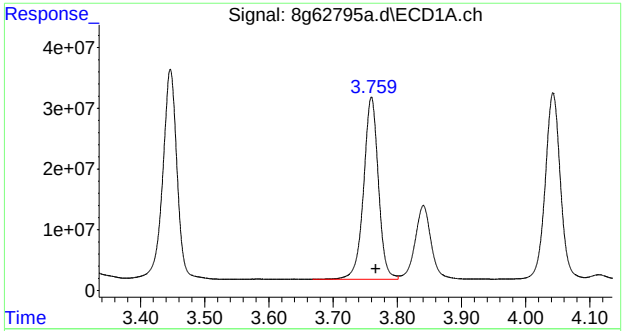
#4 alpha-BHC

R.T.: 3.447 min
Delta R.T.: -0.006 min
Response: 534857419
Conc: 5.58 PPB



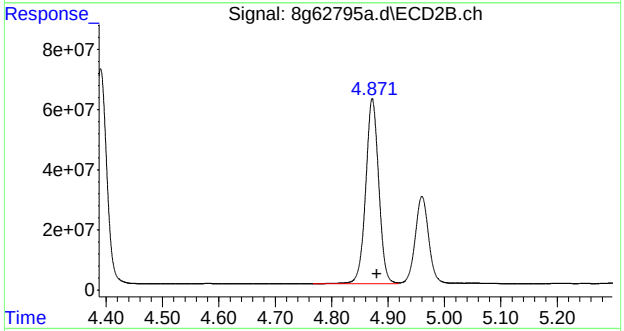
#4 alpha-BHC

R.T.: 4.390 min
Delta R.T.: -0.007 min
Response: 1132523116
Conc: 5.23 PPB



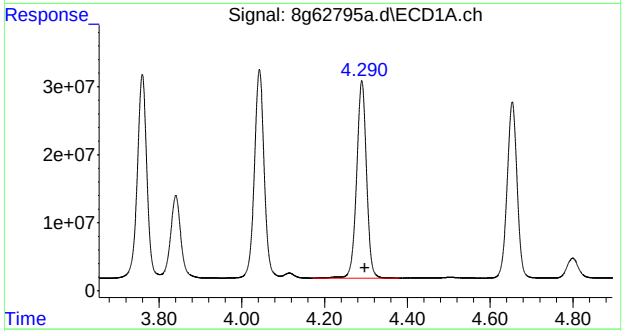
#5 gamma-BHC

R.T.: 3.760 min
Delta R.T.: -0.007 min
Response: 479647393
Conc: 6.13 PPB



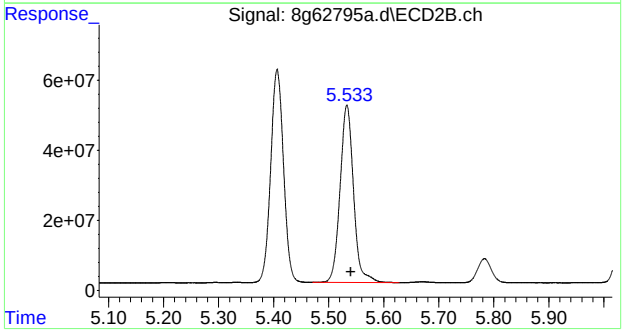
#5 gamma-BHC

R.T.: 4.872 min
Delta R.T.: -0.007 min
Response: 985241252
Conc: 5.15 PPB



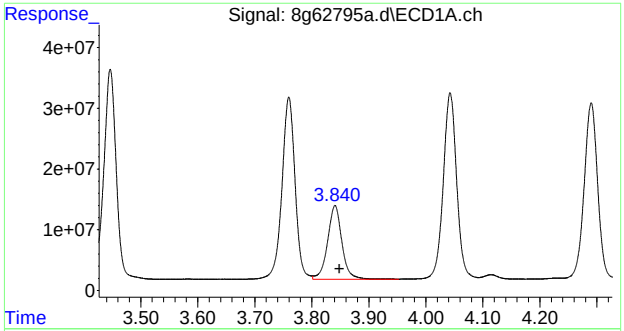
#6 Heptachlor

R.T.: 4.290 min
Delta R.T.: -0.007 min
Response: 480063550
Conc: 5.96 PPB



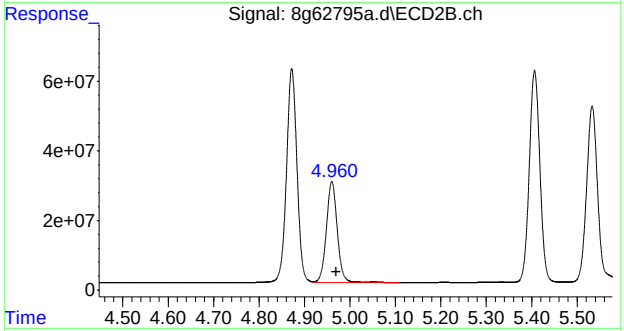
#6 Heptachlor

R.T.: 5.533 min
Delta R.T.: -0.007 min
Response: 859801274
Conc: 5.08 PPB m



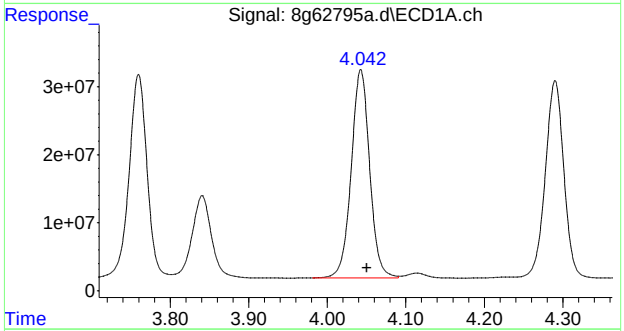
#7 beta-BHC

R.T.: 3.841 min
Delta R.T.: -0.007 min
Response: 210644488
Conc: 5.70 PPB



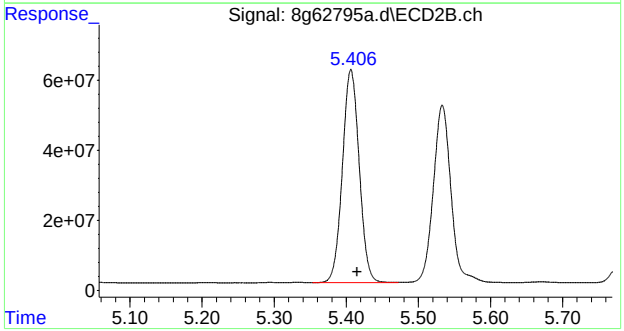
#7 beta-BHC

R.T.: 4.960 min
Delta R.T.: -0.009 min
Response: 484151013
Conc: 4.95 PPB



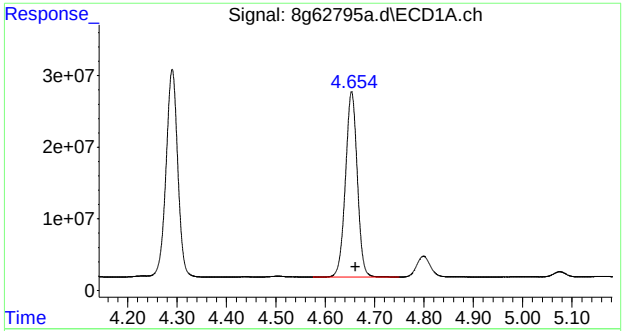
#8 delta-BHC

R.T.: 4.042 min
Delta R.T.: -0.008 min
Response: 499255838
Conc: 6.36 PPB m



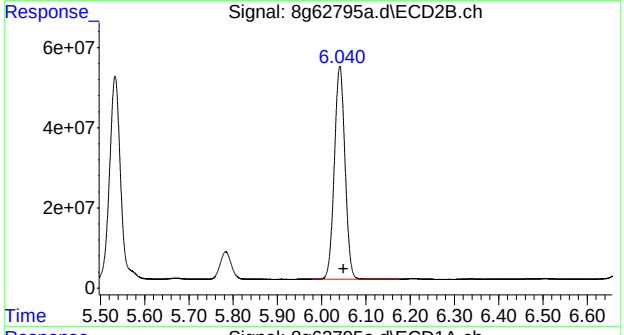
#8 delta-BHC

R.T.: 5.406 min
Delta R.T.: -0.009 min
Response: 988319796
Conc: 5.33 PPB m



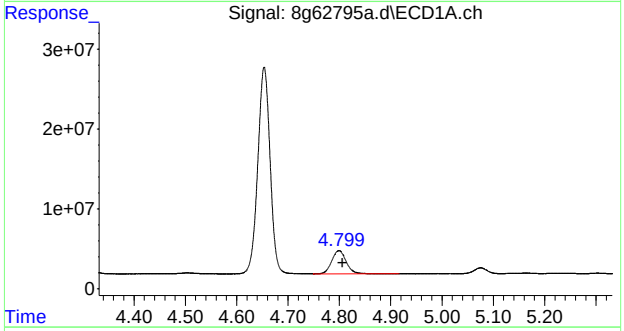
#9 Aldrin

R.T.: 4.654 min
Delta R.T.: -0.008 min
Response: 430560105
Conc: 6.04 PPB



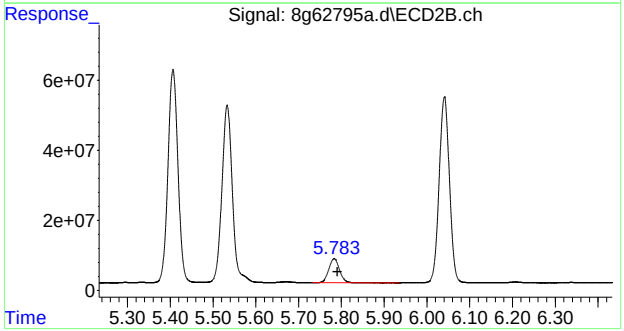
#9 Aldrin

R.T.: 6.041 min
Delta R.T.: -0.008 min
Response: 888028545
Conc: 5.07 PPB



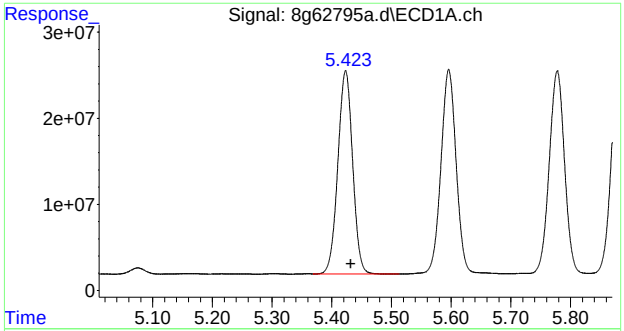
#10 alachlor

R.T.: 4.799 min
Delta R.T.: -0.007 min
Response: 56503425
Conc: 5.29 PPB



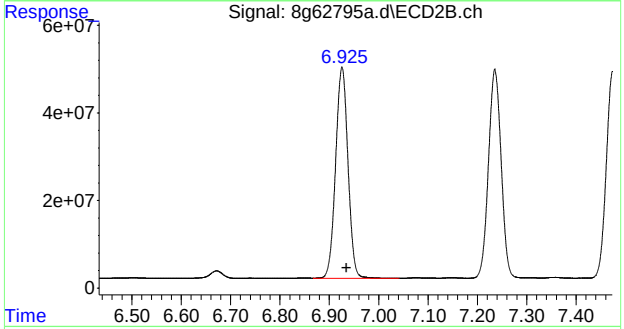
#10 alachlor

R.T.: 5.783 min
Delta R.T.: -0.007 min
Response: 118885075
Conc: 4.55 PPB



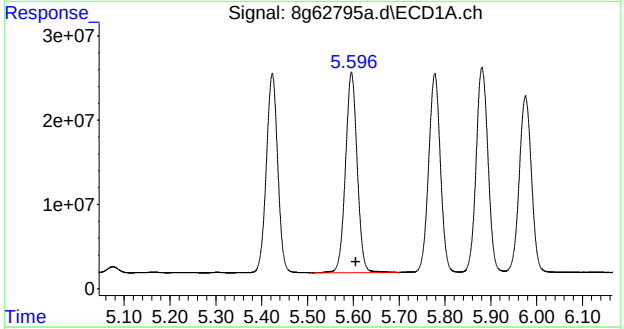
#11 Heptachlor Epoxide

R.T.: 5.423 min
Delta R.T.: -0.009 min
Response: 405661761
Conc: 5.77 PPB



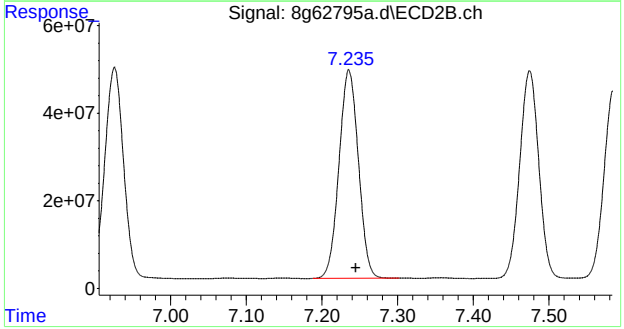
#11 Heptachlor Epoxide

R.T.: 6.926 min
Delta R.T.: -0.008 min
Response: 836974769
Conc: 5.06 PPB



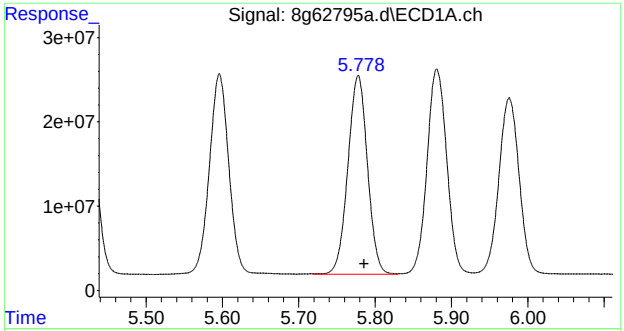
#12 gamma-Chlordane

R.T.: 5.596 min
Delta R.T.: -0.009 min
Response: 421582253
Conc: 5.63 PPB



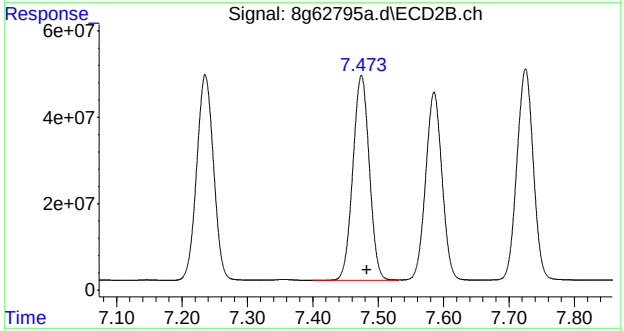
#12 gamma-Chlordane

R.T.: 7.235 min
Delta R.T.: -0.010 min
Response: 848108084
Conc: 5.19 PPB m



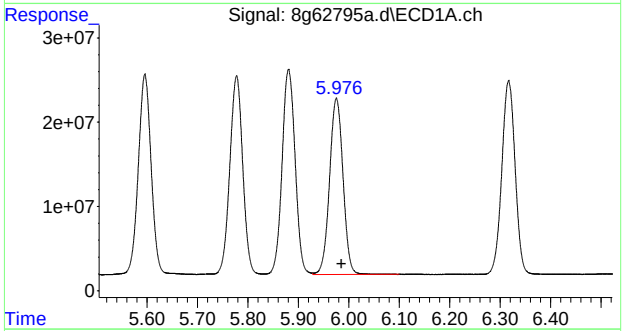
#13 alpha-Chlordane

R.T.: 5.778 min
Delta R.T.: -0.008 min
Response: 419554281
Conc: 6.01 PPB



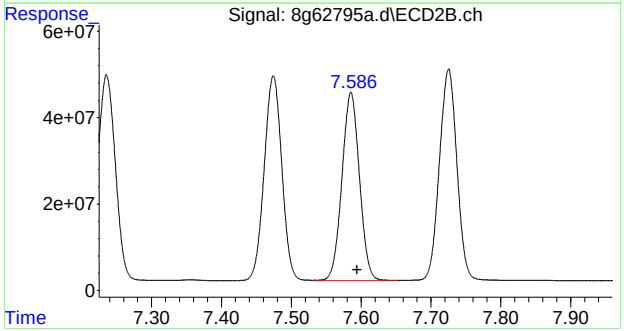
#13 alpha-Chlordane

R.T.: 7.474 min
Delta R.T.: -0.008 min
Response: 830343972
Conc: 5.11 PPB



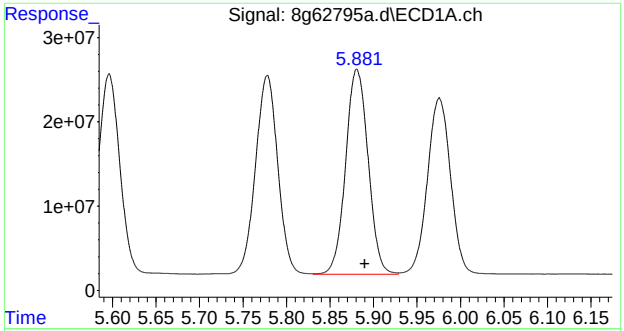
#14 Endosulfan I

R.T.: 5.976 min
Delta R.T.: -0.009 min
Response: 386909017
Conc: 5.93 PPB



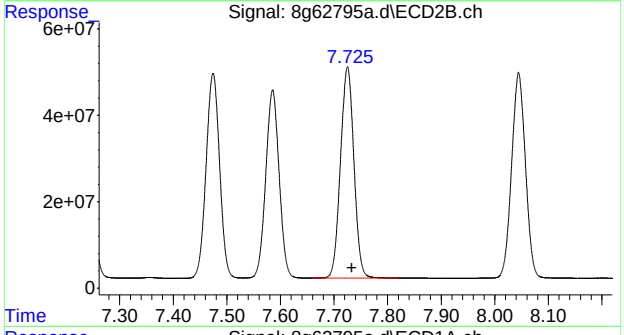
#14 Endosulfan I

R.T.: 7.586 min
Delta R.T.: -0.009 min
Response: 759083245
Conc: 5.10 PPB



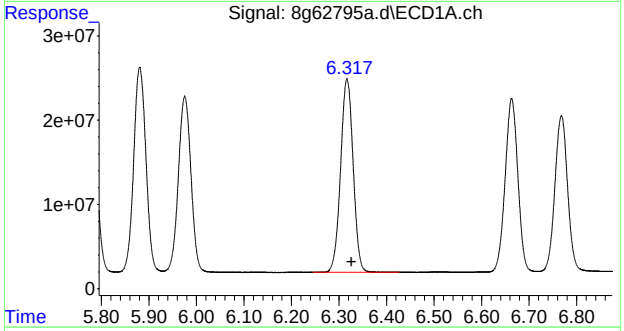
#15 4,4'-DDE

R.T.: 5.881 min
Delta R.T.: -0.009 min
Response: 436542223
Conc: 6.11 PPB



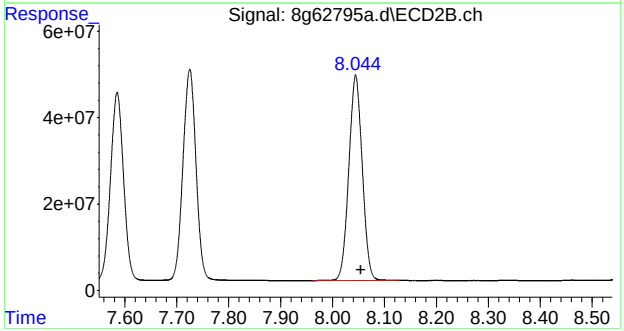
#15 4,4'-DDE

R.T.: 7.725 min
Delta R.T.: -0.008 min
Response: 851578213
Conc: 5.41 PPB m



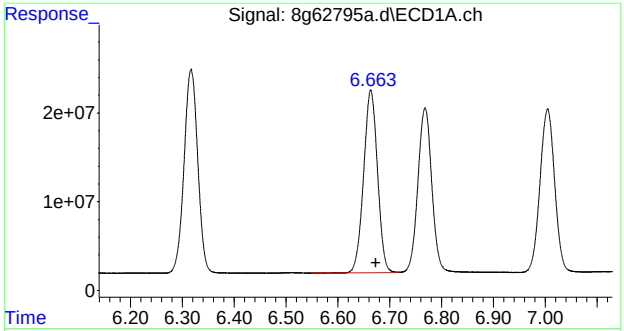
#16 Dieldrin

R.T.: 6.317 min
Delta R.T.: -0.009 min
Response: 420842946
Conc: 5.93 PPB



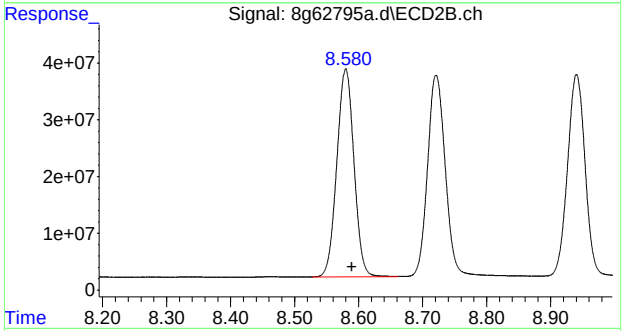
#16 Dieldrin

R.T.: 8.044 min
Delta R.T.: -0.011 min
Response: 852955545
Conc: 5.07 PPB m



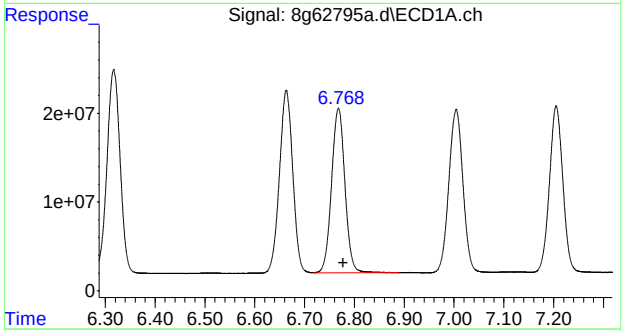
#17 Endrin

R.T.: 6.664 min
Delta R.T.: -0.009 min
Response: 382496129
Conc: 6.83 PPB



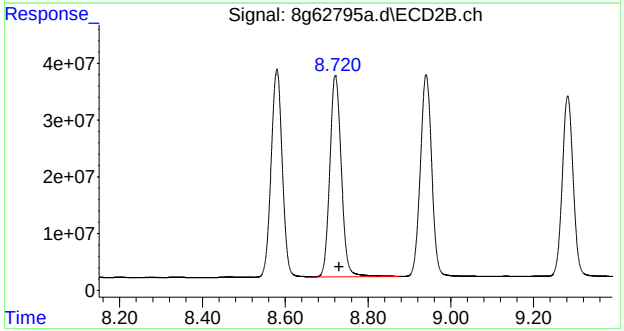
#17 Endrin

R.T.: 8.580 min
Delta R.T.: -0.009 min
Response: 681267840
Conc: 5.62 PPB m



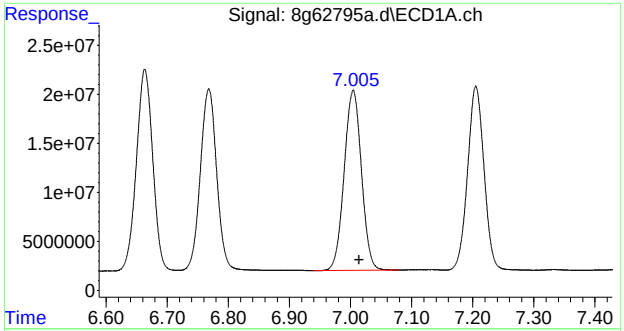
#18 4,4'-DDD

R.T.: 6.768 min
Delta R.T.: -0.010 min
Response: 345879598
Conc: 5.78 PPB



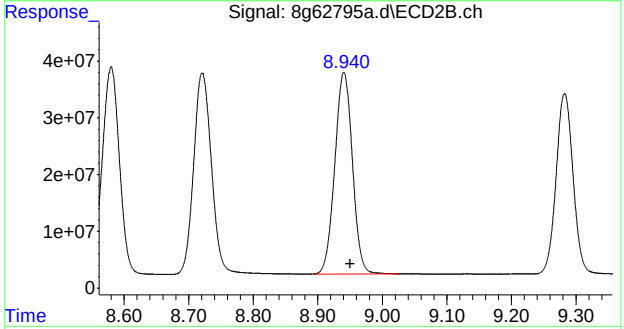
#18 4,4'-DDD

R.T.: 8.721 min
Delta R.T.: -0.009 min
Response: 683706680
Conc: 4.94 PPB



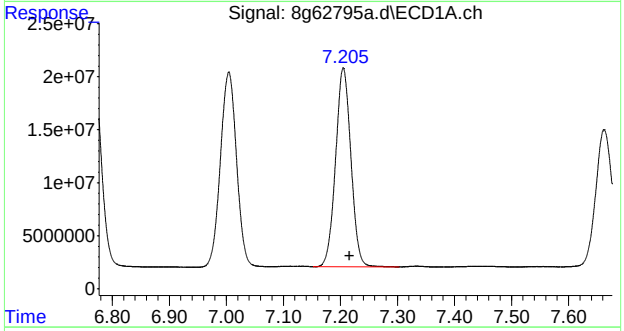
#19 Endosulfan II

R.T.: 7.004 min
Delta R.T.: -0.010 min
Response: 360483171
Conc: 5.77 PPB



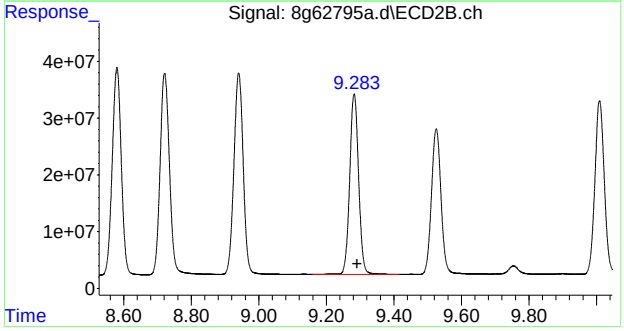
#19 Endosulfan II

R.T.: 8.940 min
Delta R.T.: -0.010 min
Response: 674065386
Conc: 4.79 PPB m



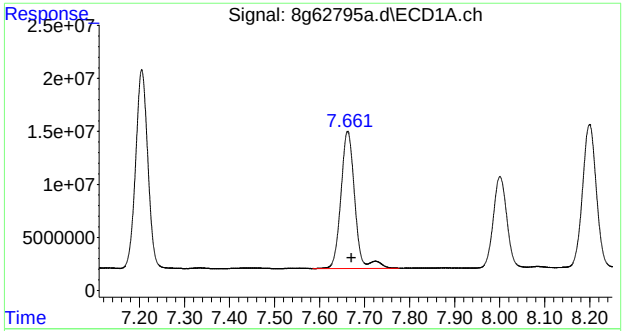
#20 4,4'-DDT

R.T.: 7.205 min
Delta R.T.: -0.010 min
Response: 350215154
Conc: 5.80 PPB



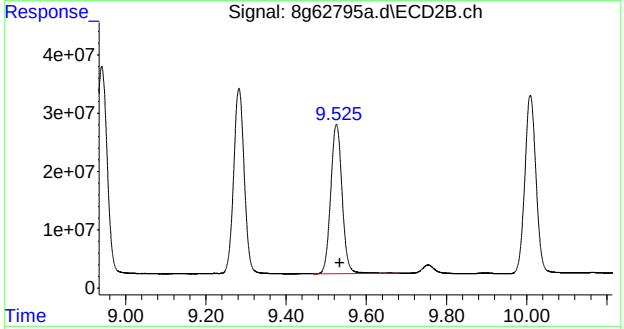
#20 4,4'-DDT

R.T.: 9.283 min
Delta R.T.: -0.009 min
Response: 584058691
Conc: 5.10 PPB



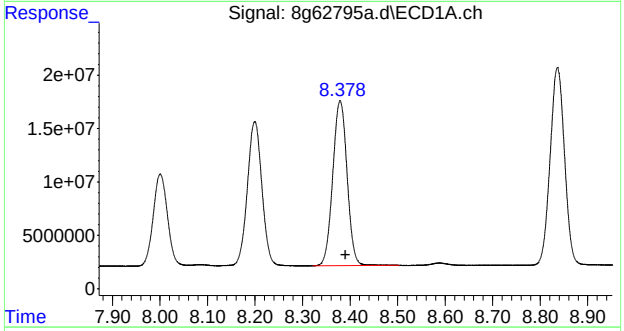
#21 Endrin Aldehyde

R.T.: 7.663 min
Delta R.T.: -0.008 min
Response: 277450856
Conc: 5.40 PPB



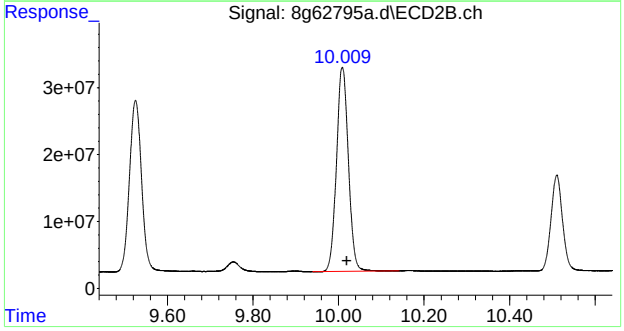
#21 Endrin Aldehyde

R.T.: 9.526 min
Delta R.T.: -0.008 min
Response: 504610501
Conc: 4.57 PPB



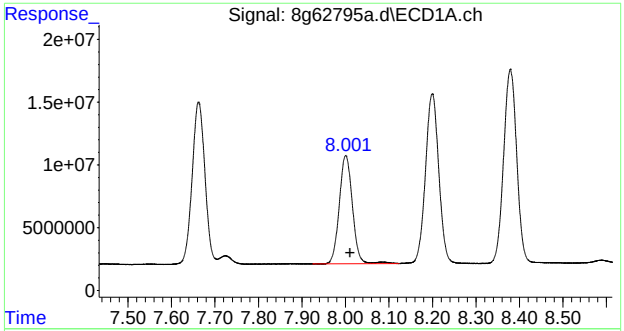
#22 Endosulfan Sulfate

R.T.: 8.379 min
Delta R.T.: -0.011 min
Response: 323651829
Conc: 5.57 PPB



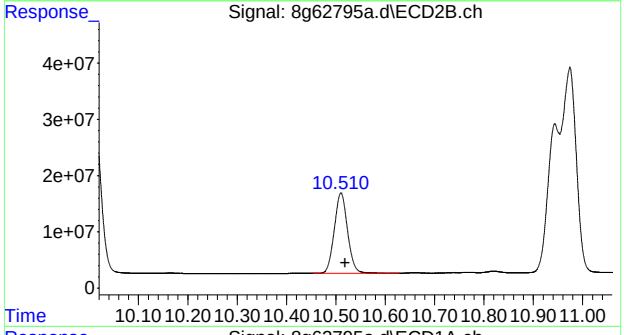
#22 Endosulfan Sulfate

R.T.: 10.009 min
Delta R.T.: -0.010 min
Response: 590368462
Conc: 4.64 PPB



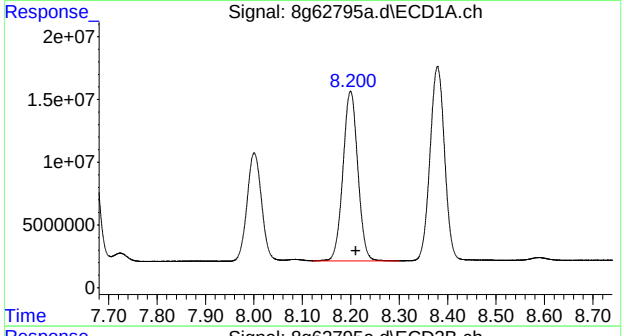
#23 Methoxychlor

R.T.: 8.001 min
Delta R.T.: -0.009 min
Response: 181479323
Conc: 5.17 PPB



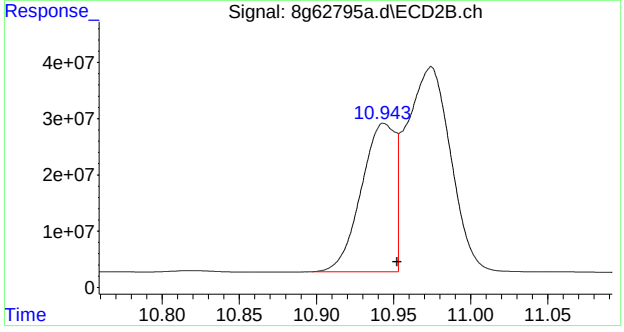
#23 Methoxychlor

R.T.: 10.511 min
Delta R.T.: -0.009 min
Response: 266790451
Conc: 4.69 PPB



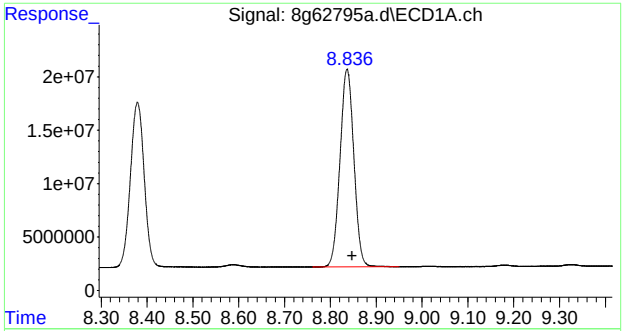
#24 Mirex

R.T.: 8.200 min
Delta R.T.: -0.011 min
Response: 287292979
Conc: 5.40 PPB



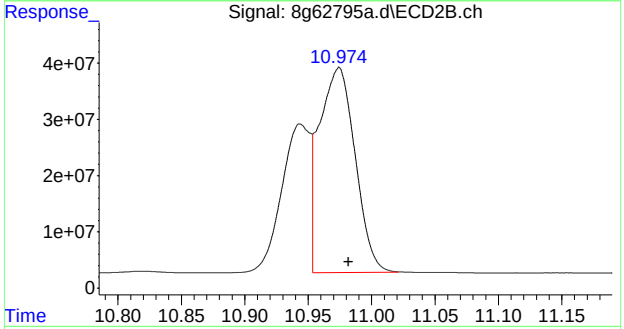
#24 Mirex

R.T.: 10.943 min
Delta R.T.: -0.009 min
Response: 412565586
Conc: 5.06 PPB m



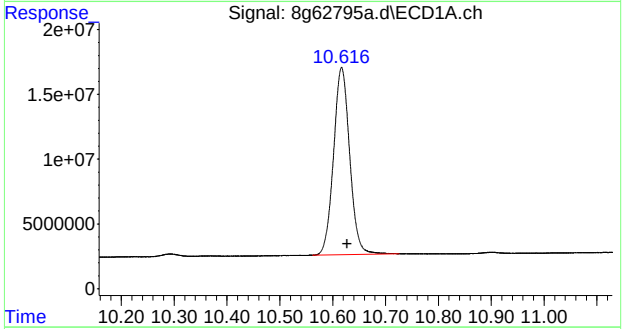
#25 Endrin Ketone

R.T.: 8.837 min
Delta R.T.: -0.011 min
Response: 388696880
Conc: 5.29 PPB



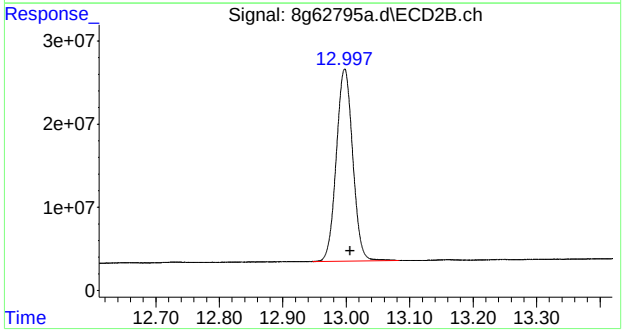
#25 Endrin Ketone

R.T.: 10.974 min
Delta R.T.: -0.008 min
Response: 711348429
Conc: 4.09 PPB m



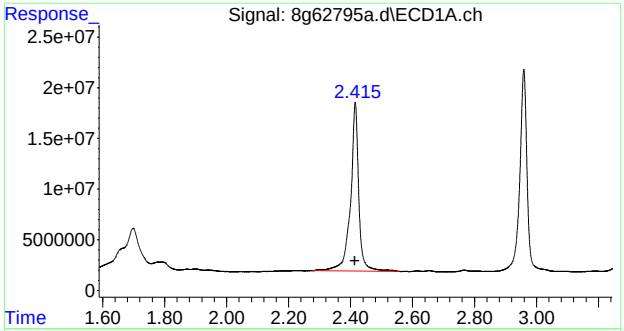
#26 Decachlorobiphenyl

R.T.: 10.616 min
Delta R.T.: -0.011 min
Response: 307262130
Conc: 5.34 PPB m



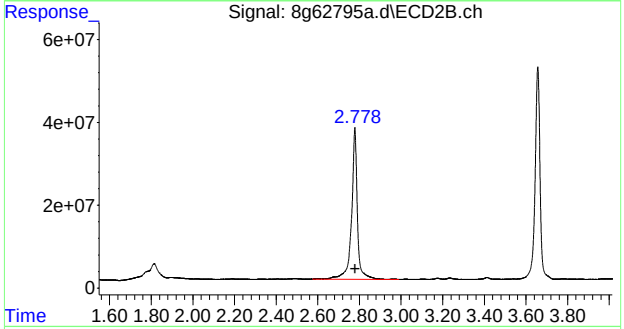
#26 Decachlorobiphenyl

R.T.: 12.997 min
Delta R.T.: -0.010 min
Response: 415317387
Conc: 4.21 PPB m



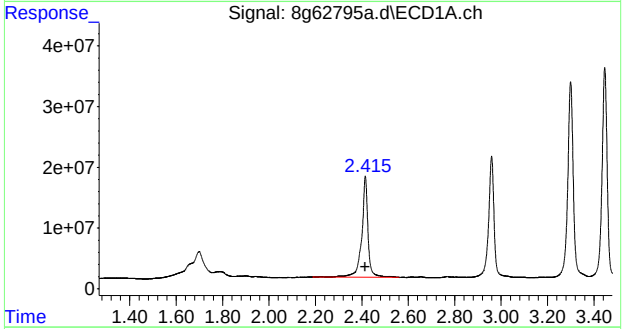
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.415 min
Delta R.T.: 0.001 min
Response: 309236336
Conc: 5.00 PPB m



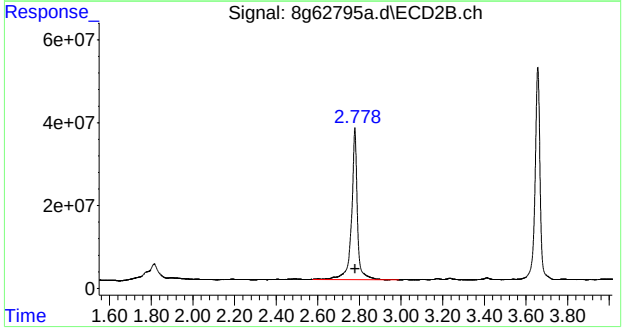
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 711576293
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.415 min
Delta R.T.: 0.001 min
Response: 313737189
Conc: 5.00 PPB m



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 711576293
Conc: 5.00 PPB

Manual Integration Approval Summary

Sample Number: G8G2702-CC2596
Lab FileID: 8G62795A.D
Injection Time: 12/03/24 14:22
Method: SW846 8081B
Analyst approved: 12/04/24 13:52 Laura Bernal
Supervisor approved: 12/04/24 20:03 Gwendolyn Burns

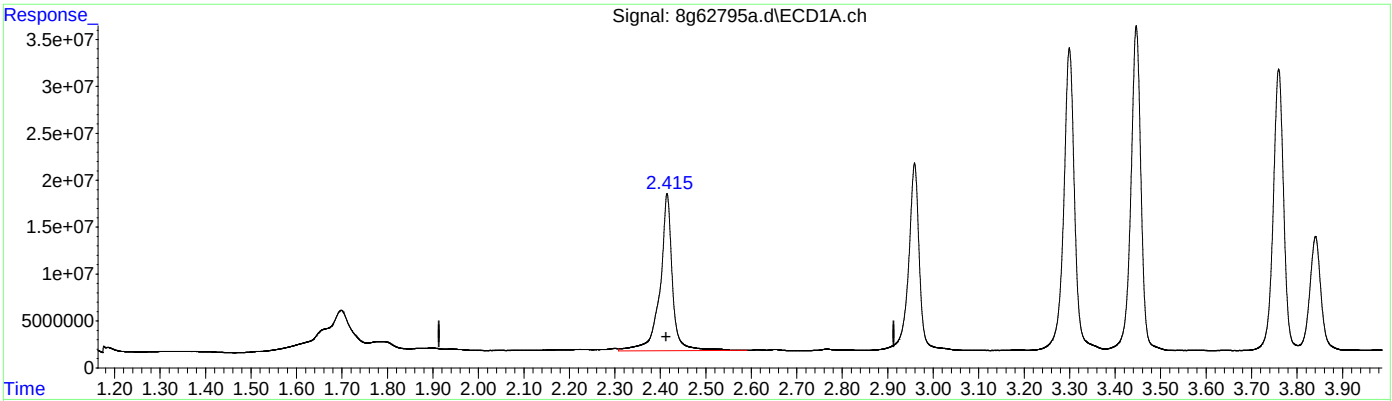
Parameter	CAS	Sig#	R.T. (min.)	Reason
1-Bromo-2-nitrobenzene	577-19-5	1	2.41	Poorly defined baseline
1-Bromo-2-nitrobenzene	577-19-5	2	2.78	Poorly defined baseline
delta-BHC	319-86-8	1	4.04	Poorly defined baseline
delta-BHC	319-86-8	2	5.41	Poorly defined baseline
Heptachlor	76-44-8	2	5.53	Poorly defined baseline
gamma-Chlordane	5103-74-2	2	7.23	Poorly defined baseline
4,4'-DDE	72-55-9	2	7.73	Poorly defined baseline
Dieldrin	60-57-1	2	8.04	Poorly defined baseline
Endrin	72-20-8	2	8.58	Poorly defined baseline
Endosulfan-II	33213-65-9	2	8.94	Poorly defined baseline
Decachlorobiphenyl	2051-24-3	1	10.62	Poorly defined baseline
Mirex	2385-85-5	2	10.94	Poorly defined baseline
Endrin ketone	53494-70-5	2	10.97	Poorly defined baseline
Decachlorobiphenyl	2051-24-3	2	13.00	Poorly defined baseline

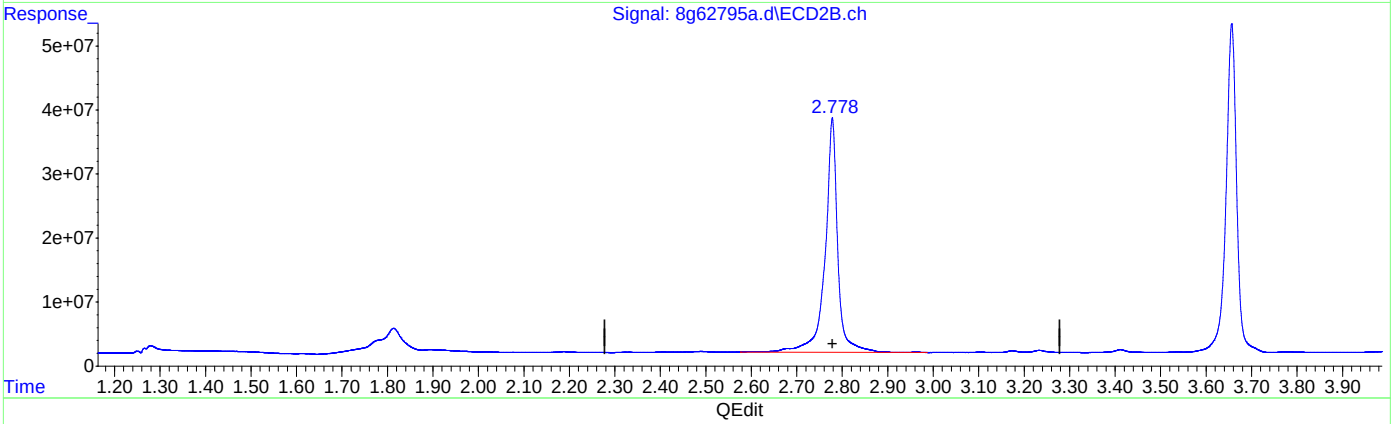
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\
Data File : 8g62795a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59740,g8g2702,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 14:15:12 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(1) 1-bromo-2-nitrobenzene (I)

2.415min 5.000 PPB

response 319518449

(1) 1-bromo-2-nitrobenzene #2 (I)

2.778min 5.000 PPB

response 711576293

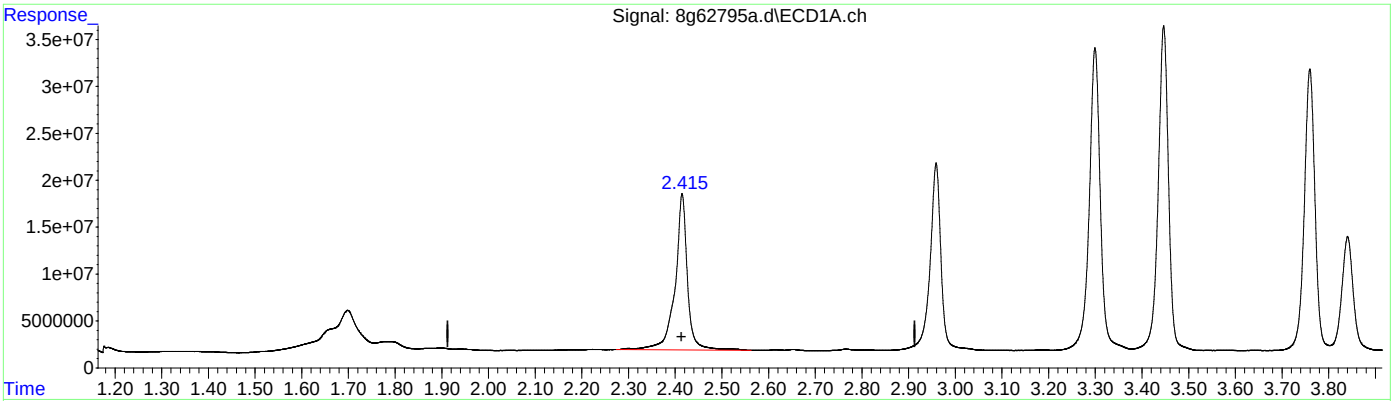
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Dec 04 14:29:30 2024

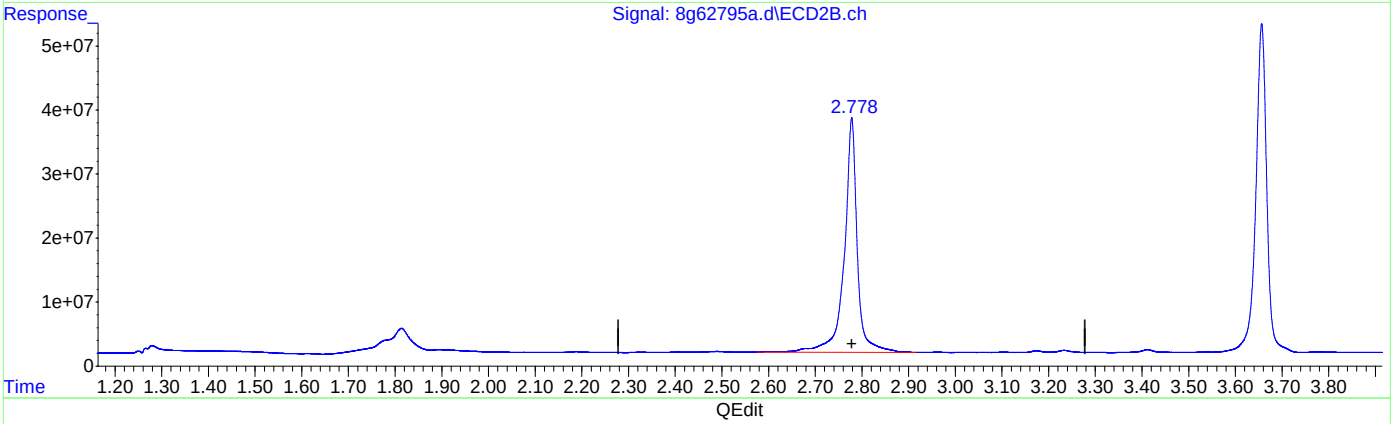
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\
Data File : 8g62795a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59740,g8g2702,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 14:15:12 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(1) 1-bromo-2-nitrobenzene (I)

2.415min 5.000 PPB m

response 309905499

(1) 1-bromo-2-nitrobenzene #2 (I)

2.778min 5.000 PPB m

response 711323291

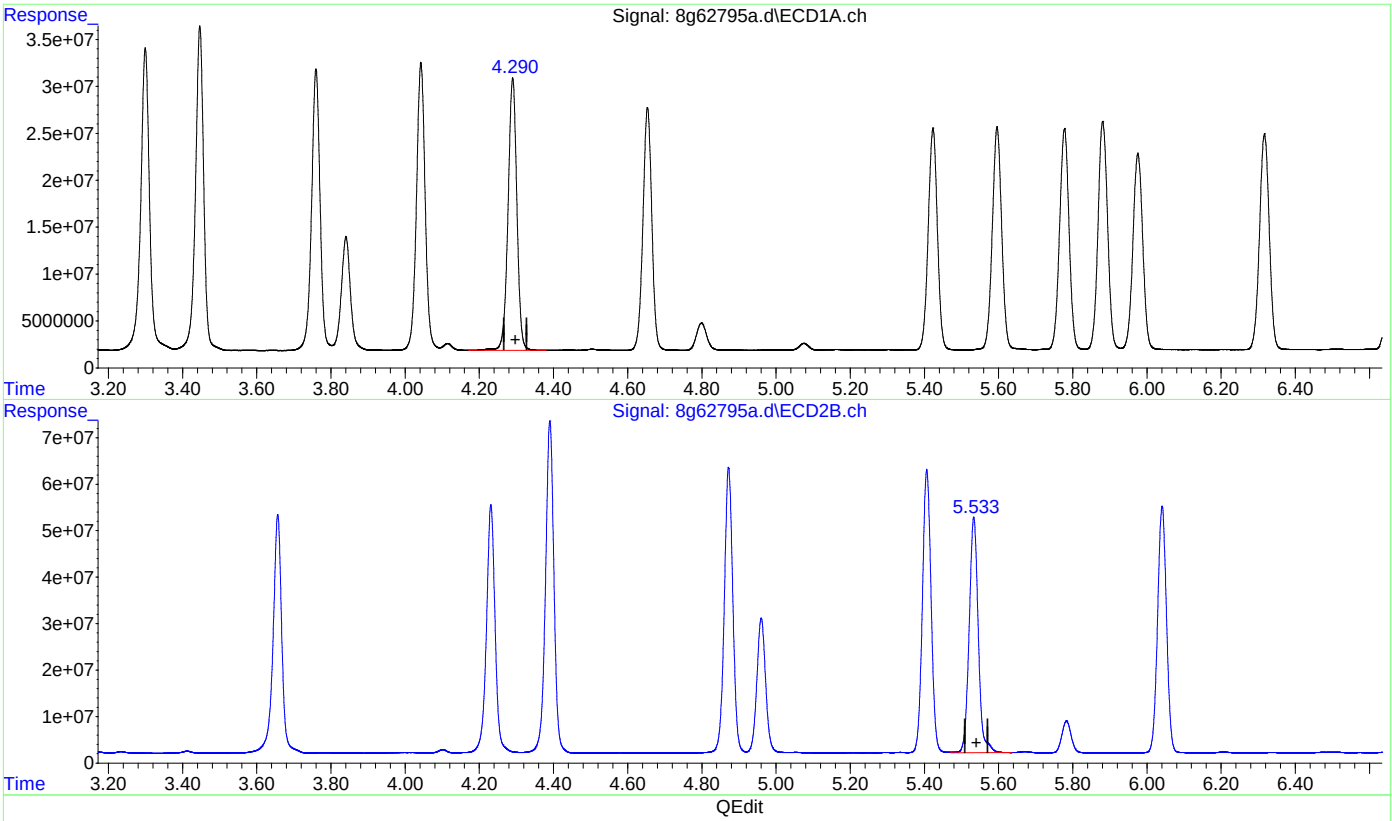
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Dec 04 14:30:06 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\
Data File : 8g62795a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59740,g8g2702,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 14:15:12 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(6) Heptachlor (MA)

4.290min 5.955 PPB

response 480063550

(6) Heptachlor #2 (MA)

5.533min 5.107 PPB

response 863779488

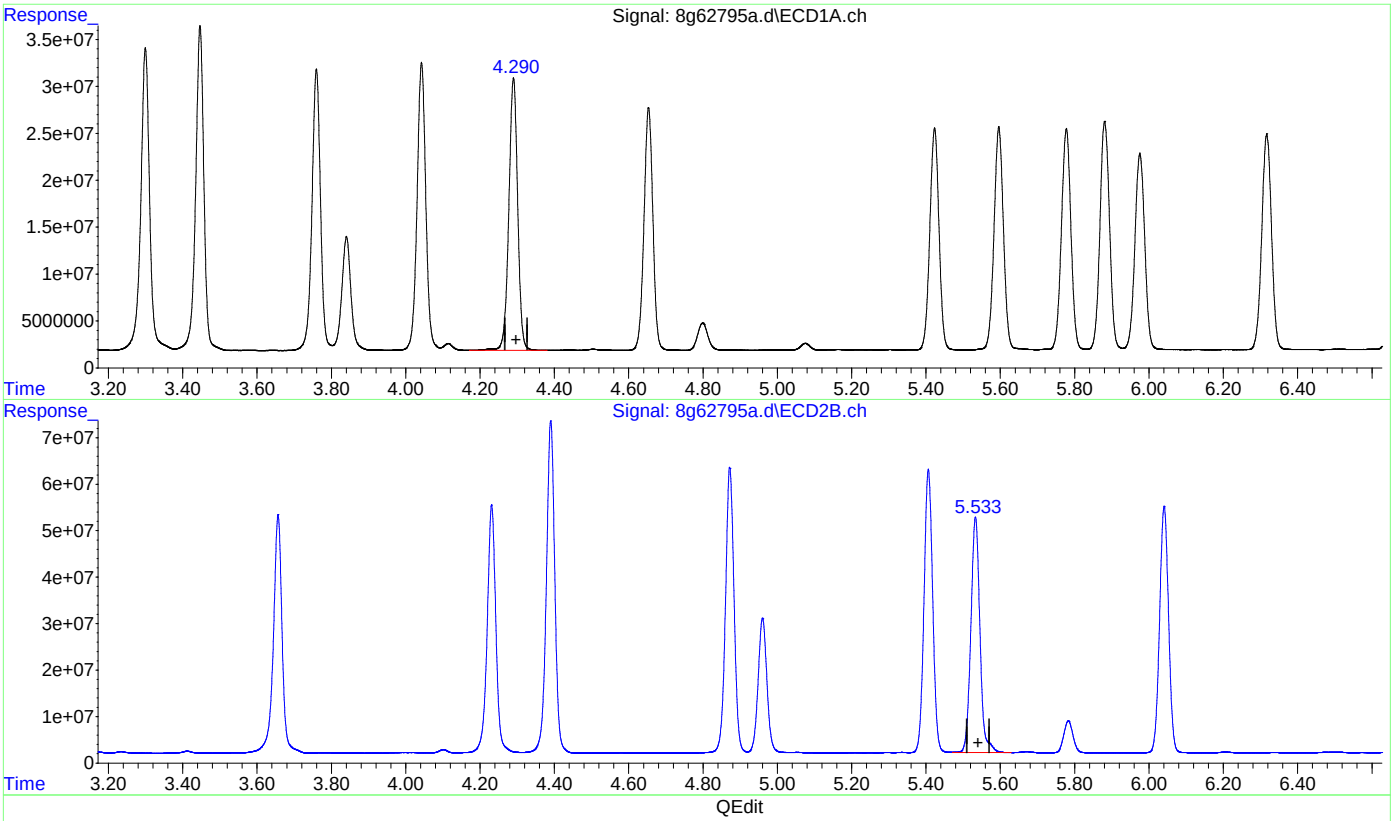
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Dec 04 14:30:43 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\
Data File : 8g62795a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59740,g8g2702,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 14:15:12 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(6) Heptachlor (MA)

4.290min 5.955 PPB

response 480063550

(6) Heptachlor #2 (MA)

5.533min 5.084 PPB m

response 859801274

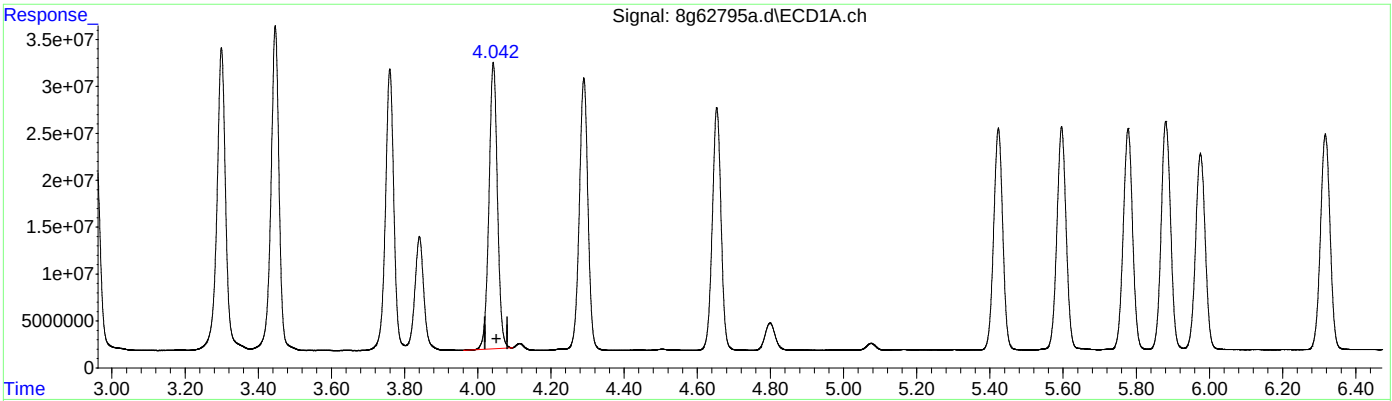
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Dec 04 14:31:10 2024

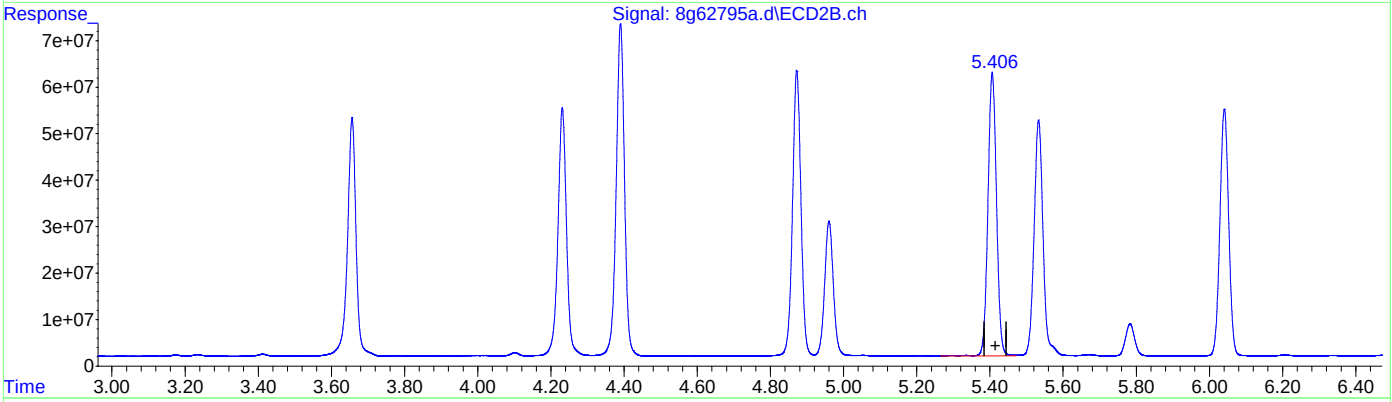
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\
Data File : 8g62795a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59740,g8g2702,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 14:15:12 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(8) delta-BHC (B)

4.043min 6.261 PPB

response 491803862

(8) delta-BHC #2 (B)

5.407min 5.346 PPB

response 991862713

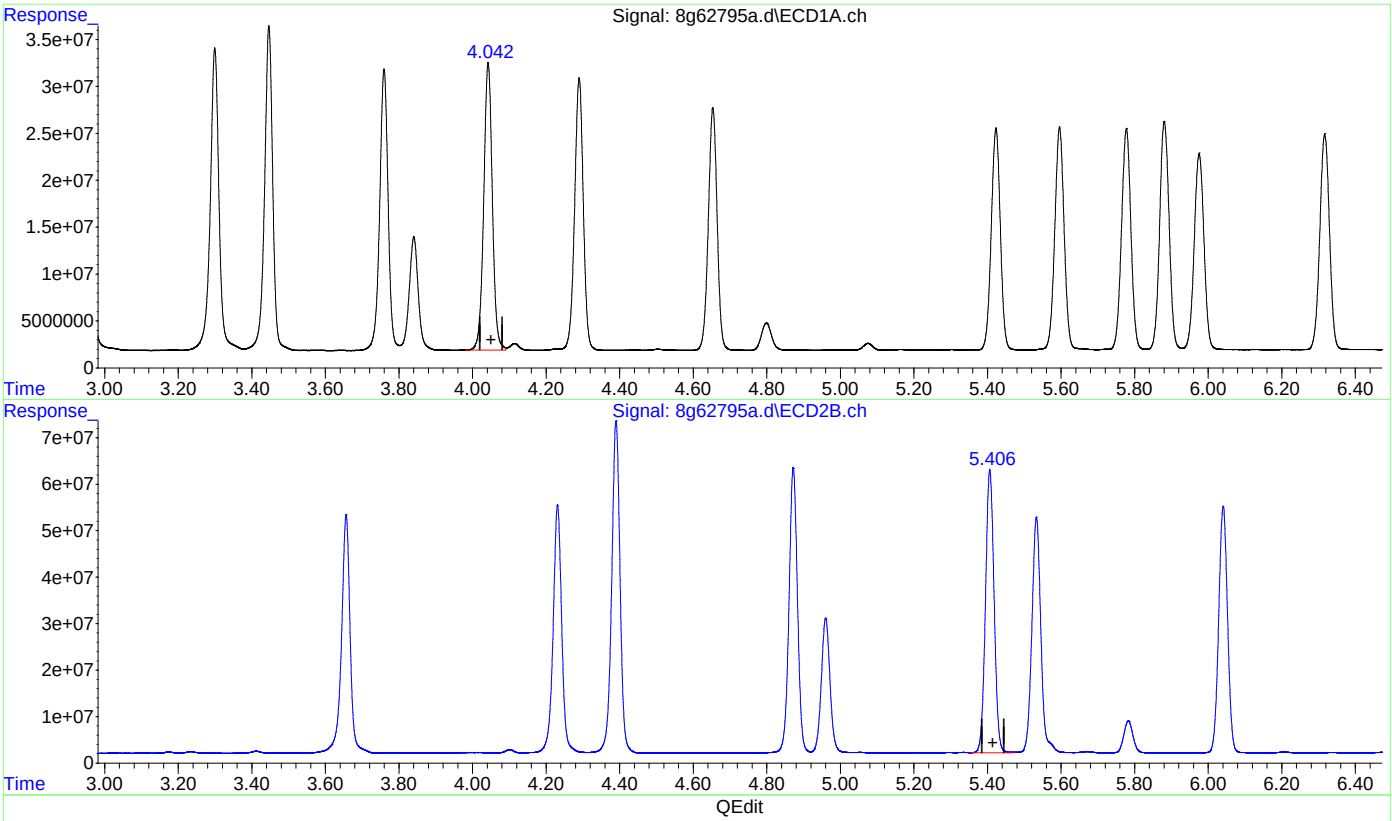
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Dec 04 14:31:16 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\
Data File : 8g62795a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59740,g8g2702,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 14:15:12 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(8) delta-BHC (B)

4.042min 6.356 PPB m

response 499255838

(8) delta-BHC #2 (B)

5.406min 5.327 PPB m

response 988319796

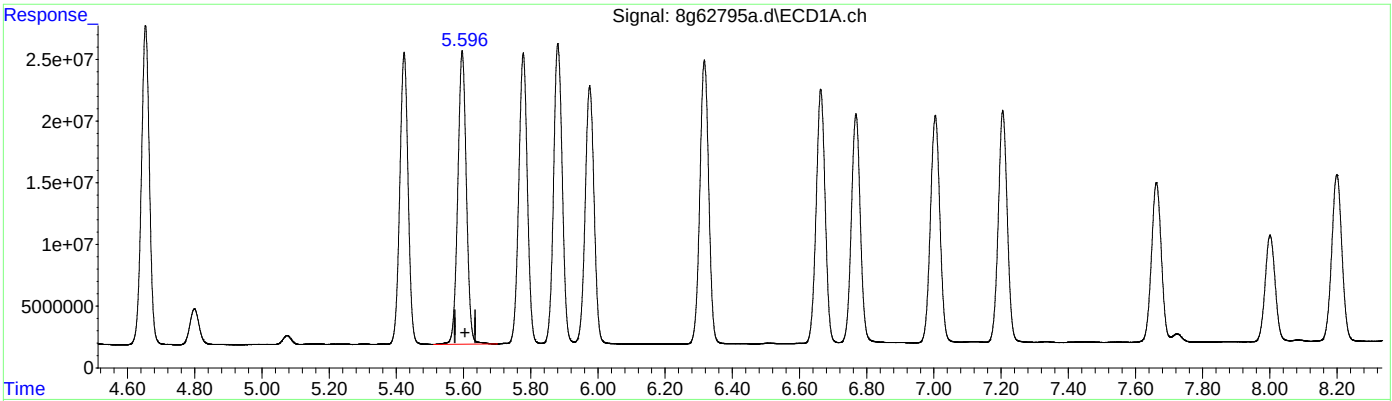
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Dec 04 14:31:56 2024

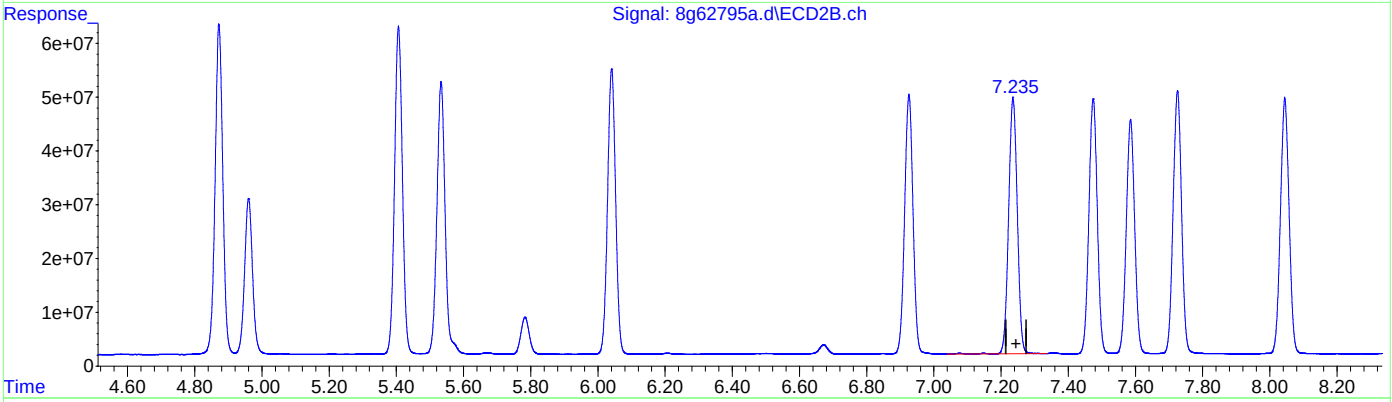
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\
Data File : 8g62795a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59740,g8g2702,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 14:15:12 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(12) gamma-Chlordane (B)

5.596min 5.627 PPB

response 421582253

(12) gamma-Chlordane #2 (B)

7.236min 5.211 PPB

response 852242394

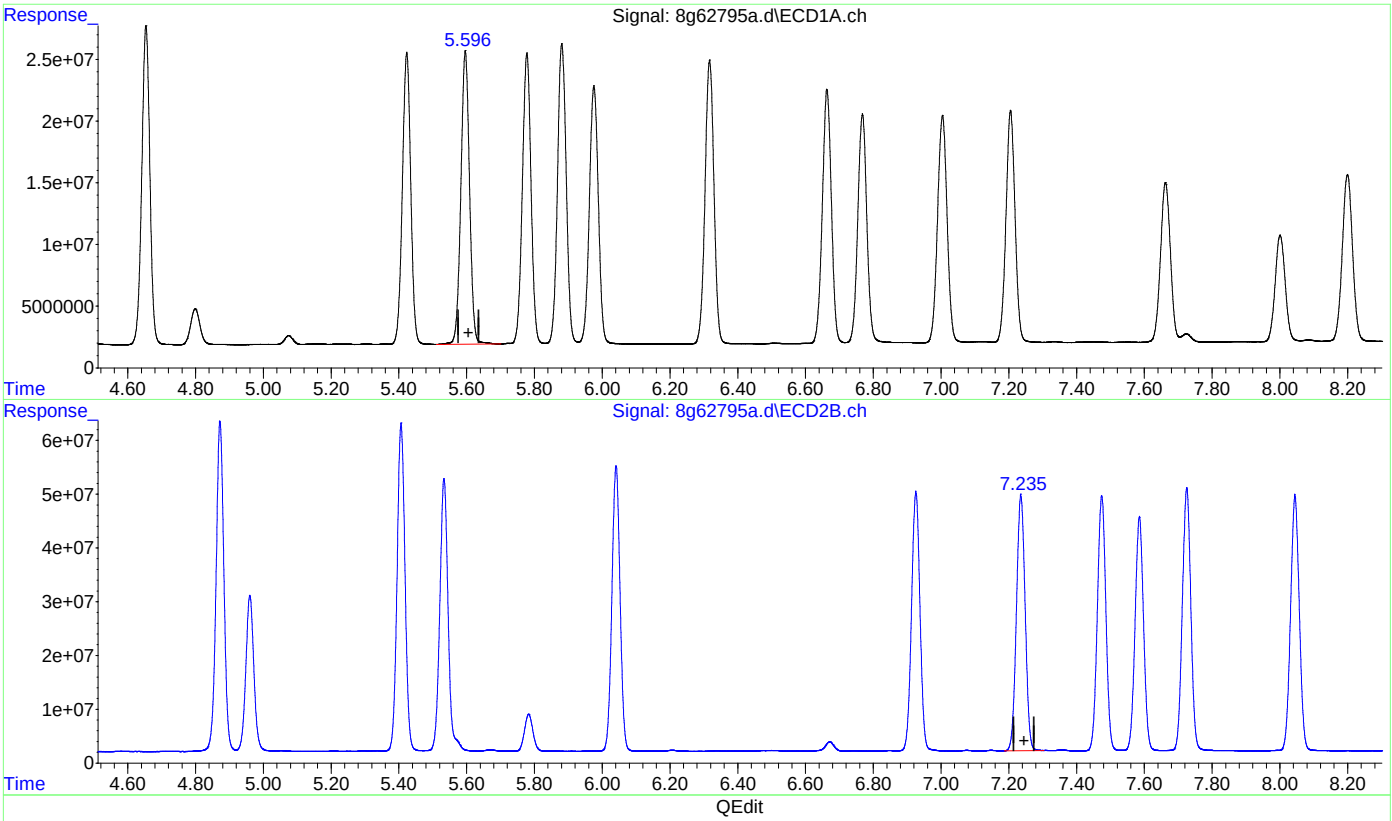
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Dec 04 14:32:05 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\
Data File : 8g62795a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59740,g8g2702,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 14:15:12 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(12) gamma-Chlordane (B)

5.596min 5.627 PPB

response 421582253

(12) gamma-Chlordane #2 (B)

7.235min 5.186 PPB m

response 848108084

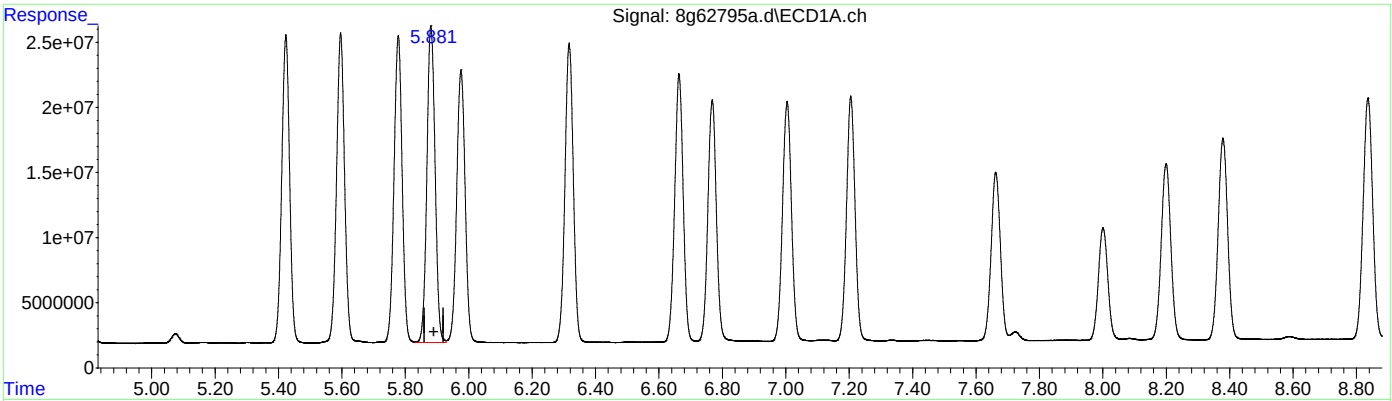
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Dec 04 14:32:31 2024

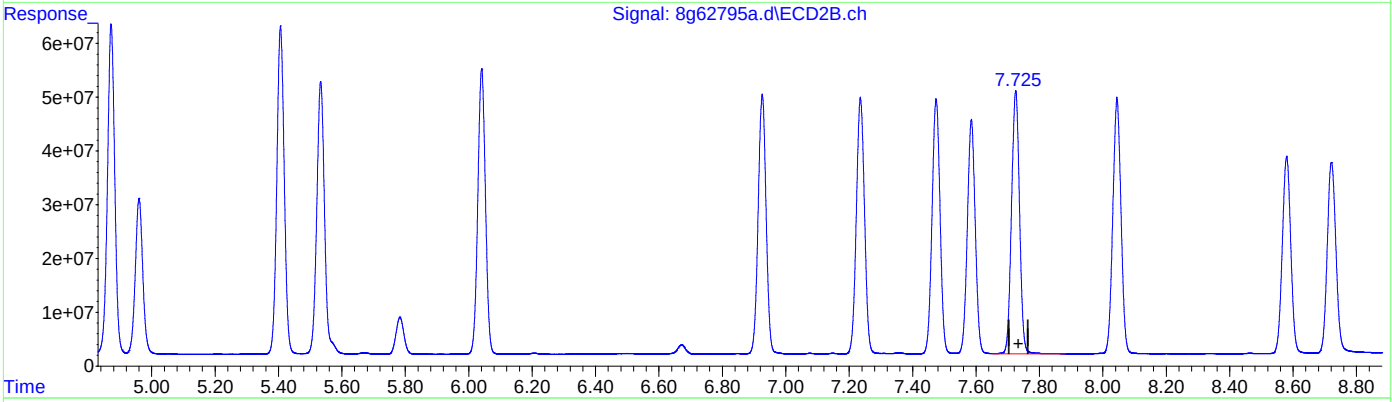
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\
Data File : 8g62795a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59740,g8g2702,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 14:15:12 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(15) 4,4'-DDE (B)

5.881min 6.112 PPB

response 436542223

(15) 4,4'-DDE #2 (B)

7.725min 5.436 PPB

response 856196272

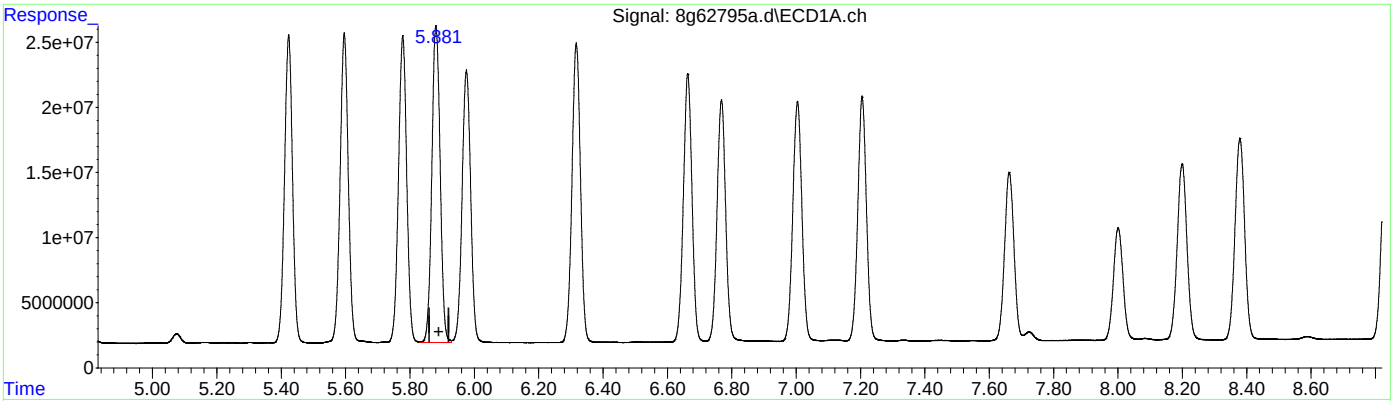
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Dec 04 14:32:38 2024

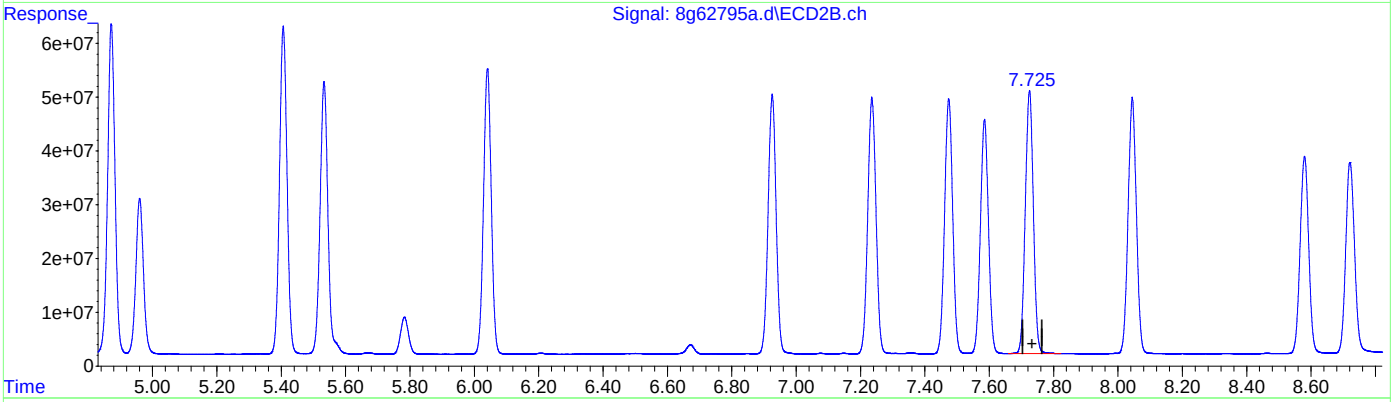
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\
Data File : 8g62795a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59740,g8g2702,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 14:15:12 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(15) 4,4'-DDE (B)

5.881min 6.112 PPB

response 436542223

(15) 4,4'-DDE #2 (B)

7.725min 5.407 PPB m

response 851578213

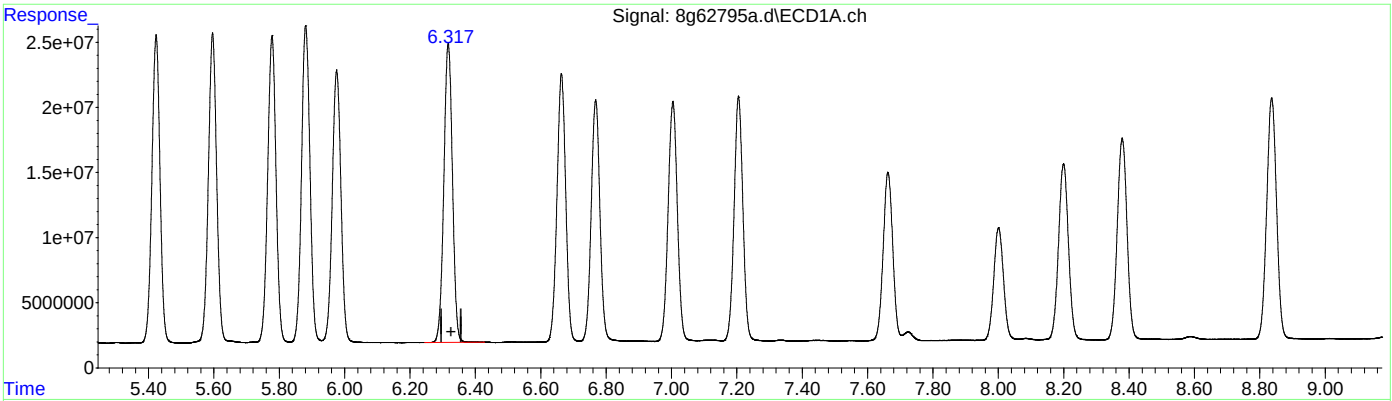
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Dec 04 14:32:51 2024

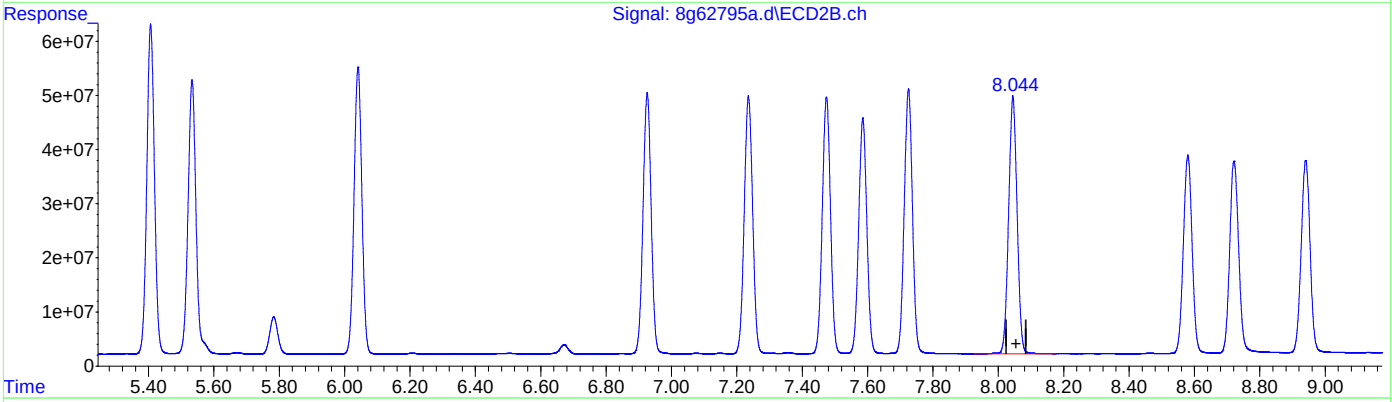
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\
Data File : 8g62795a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59740,g8g2702,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 14:15:12 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(16) Dieldrin (MA)

6.317min 5.926 PPB

response 420842946

(16) Dieldrin #2 (MA)

8.045min 5.080 PPB

response 855329116

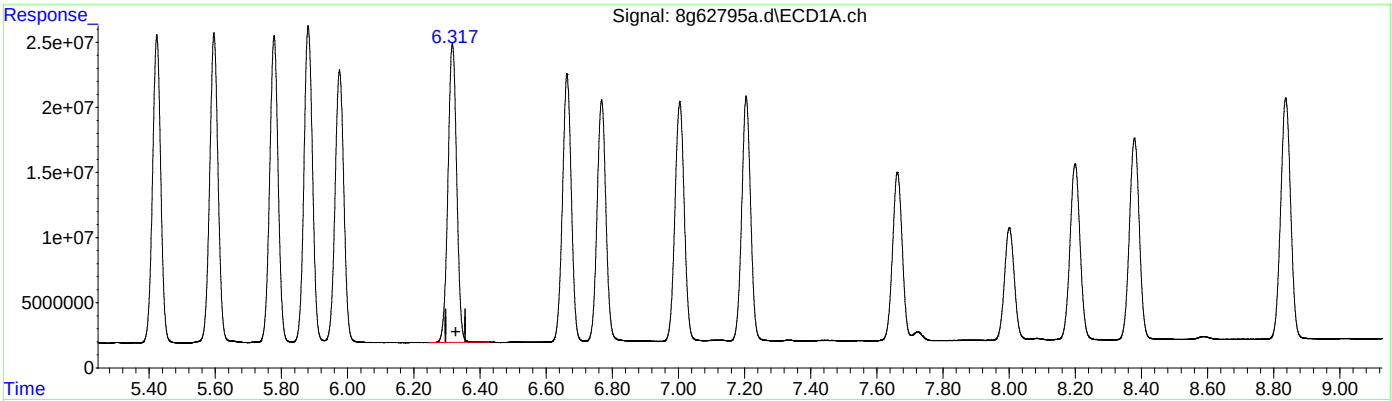
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Dec 04 14:33:10 2024

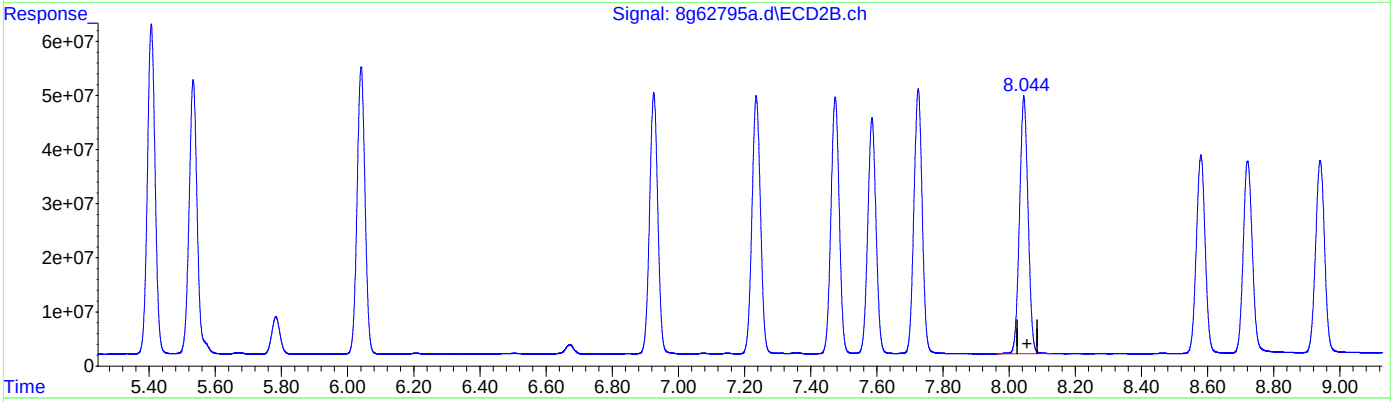
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\
Data File : 8g62795a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59740,g8g2702,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 14:15:12 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(16) Dieldrin (MA)

6.317min 5.926 PPB

response 420842946

(16) Dieldrin #2 (MA)

8.044min 5.066 PPB m

response 852955545

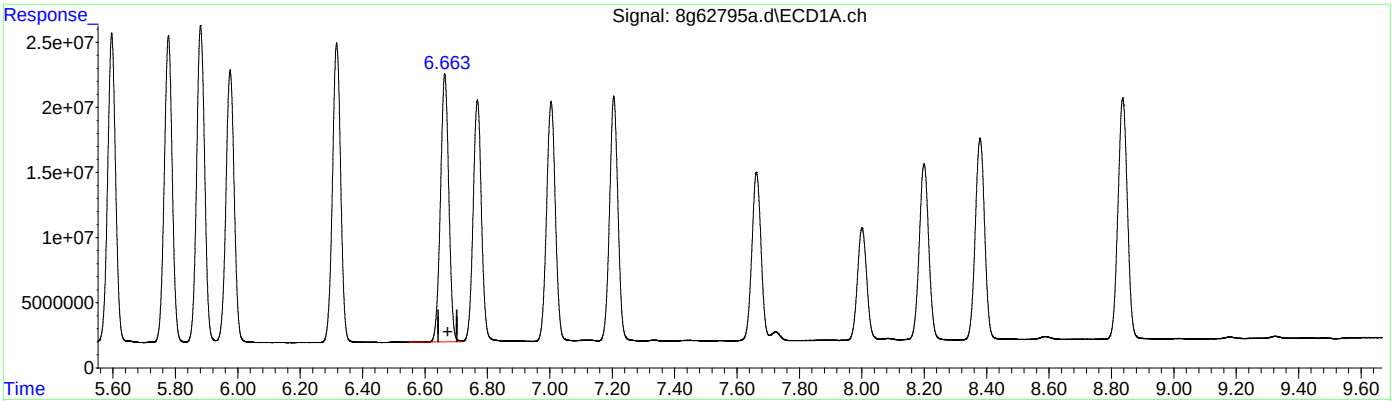
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Dec 04 14:33:37 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\
Data File : 8g62795a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59740,g8g2702,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 14:15:12 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(17) Endrin (MA)

6.664min 6.832 PPB

response 382496129

(17) Endrin #2 (MA)

8.580min 5.626 PPB

response 682528672

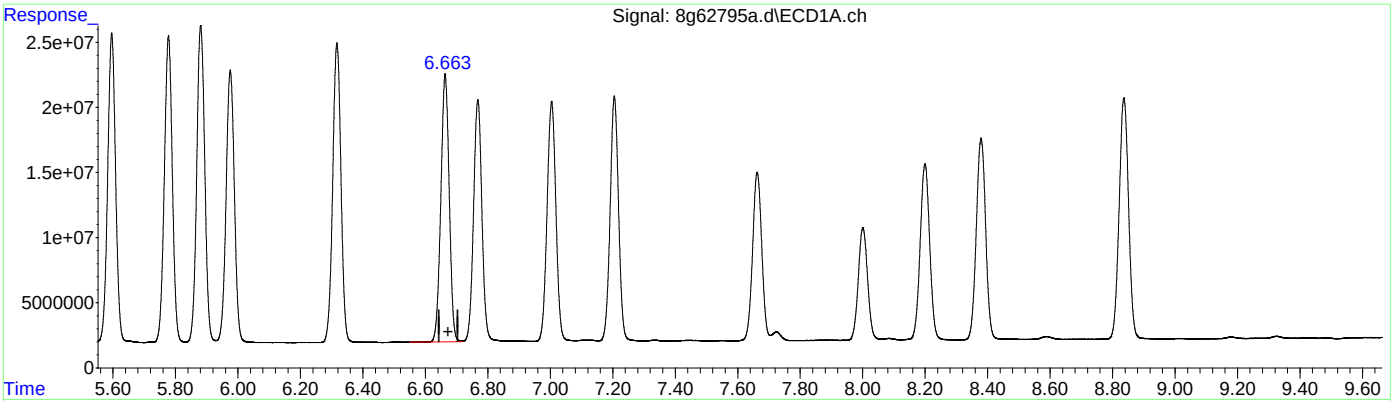
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Dec 04 14:33:42 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\
Data File : 8g62795a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59740,g8g2702,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 14:15:12 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(17) Endrin (MA)

6.664min 6.832 PPB

response 382496129

(17) Endrin #2 (MA)

8.580min 5.616 PPB m

response 681267840

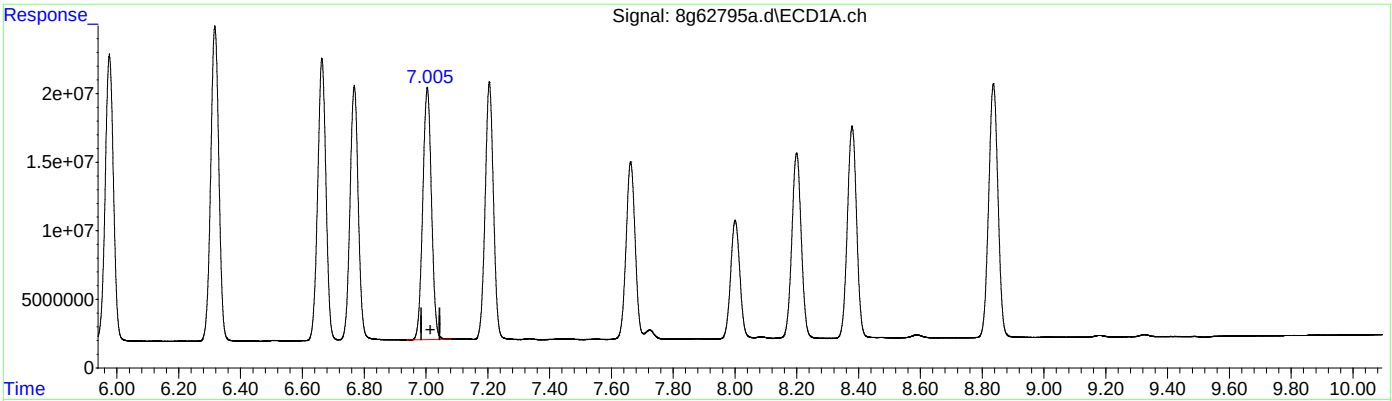
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Dec 04 14:33:55 2024

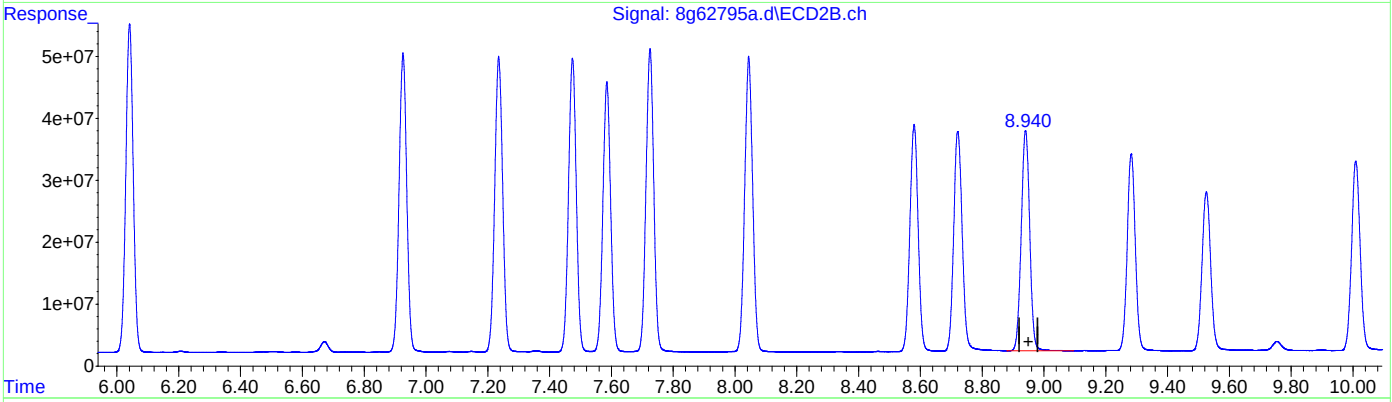
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\
Data File : 8g62795a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59740,g8g2702,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 14:15:12 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(19) Endosulfan II (B)

7.004min 5.772 PPB

response 360483171

(19) Endosulfan II #2 (B)

8.941min 4.808 PPB

response 676858791

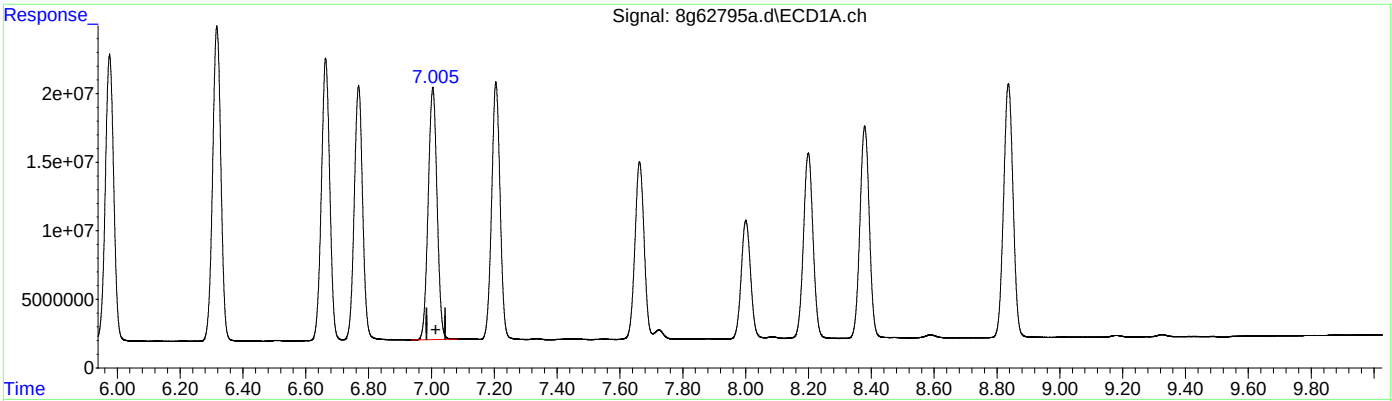
(+) = Expected Retention Time

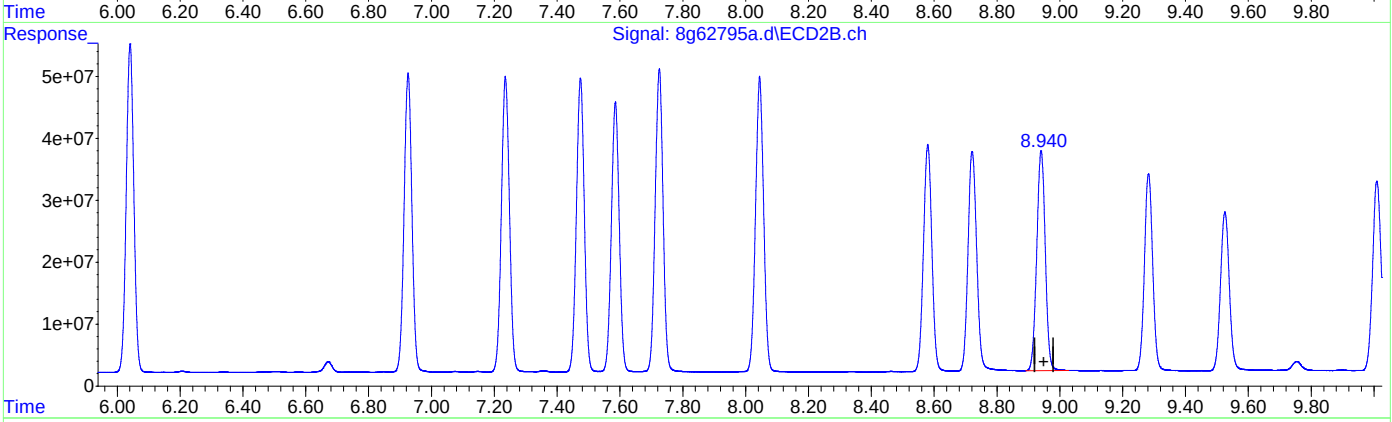
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\
Data File : 8g62795a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59740,g8g2702,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 14:15:12 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(19) Endosulfan II (B)

7.004min 5.772 PPB

response 360483171

(19) Endosulfan II #2 (B)

8.940min 4.789 PPB m

response 674065386

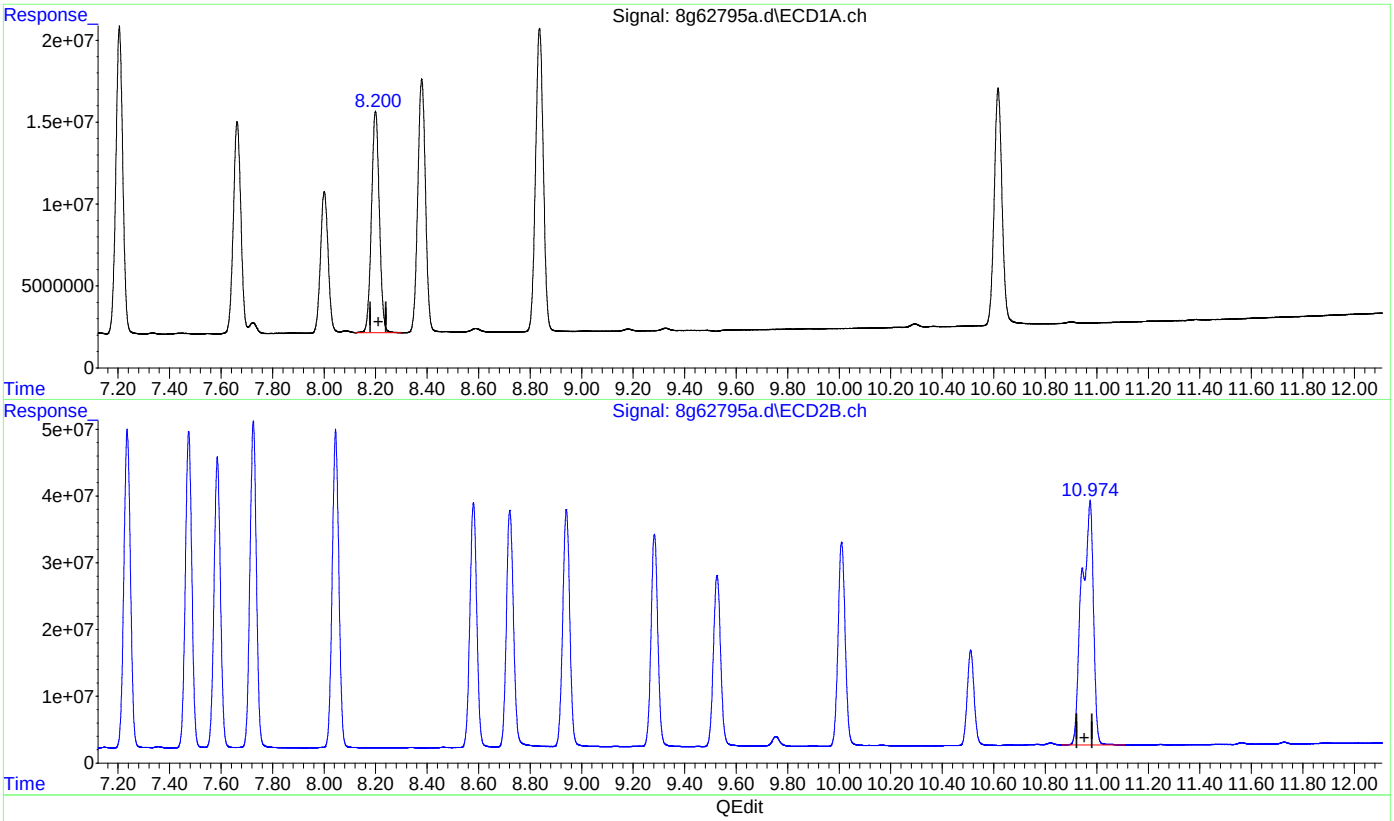
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Dec 04 14:34:21 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\
Data File : 8g62795a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59740,g8g2702,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 14:15:12 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(24) Mirex

8.200min 5.396 PPB

response 287292979

(24) Mirex #2

10.973min 13.926 PPB

response 1135884996

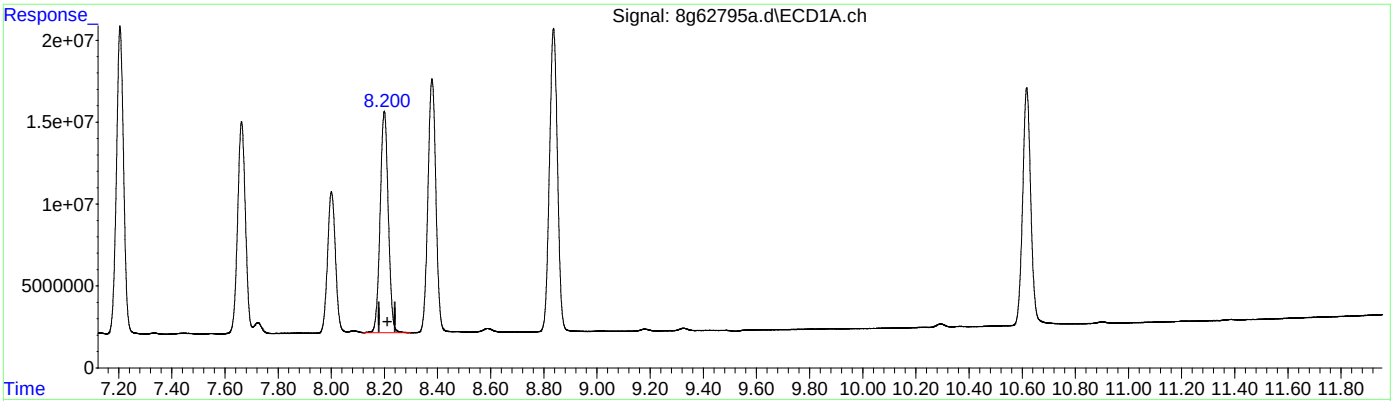
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Dec 04 14:34:33 2024

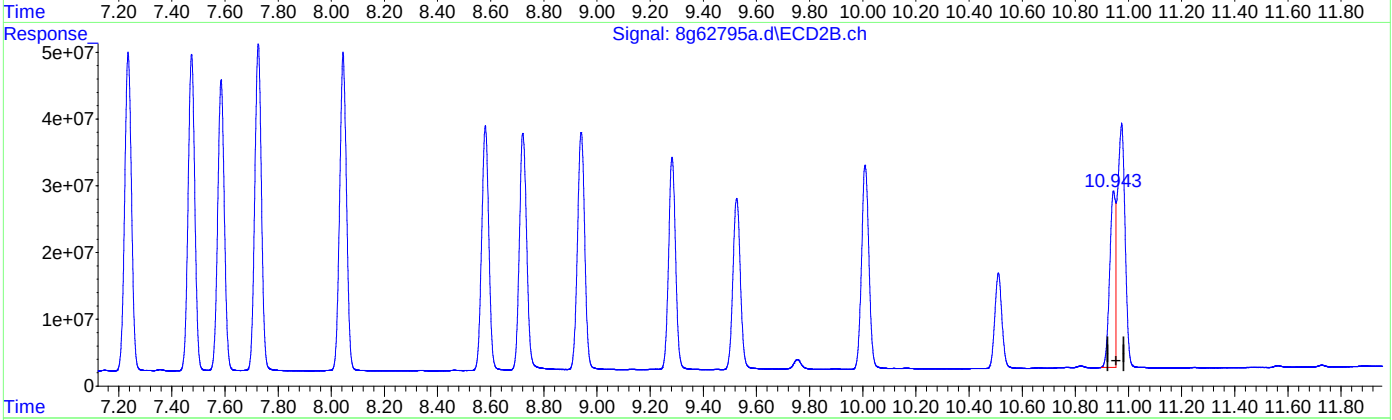
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\
Data File : 8g62795a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59740,g8g2702,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 14:15:12 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(24) Mirex

8.200min 5.396 PPB

response 287292979

(24) Mirex #2

10.943min 5.058 PPB m

response 412565586

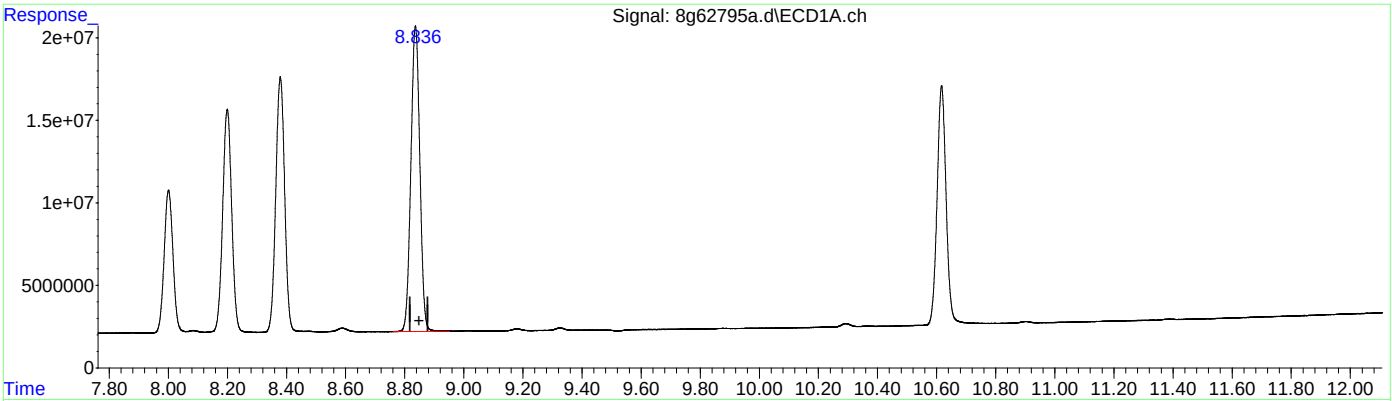
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Dec 04 14:34:59 2024

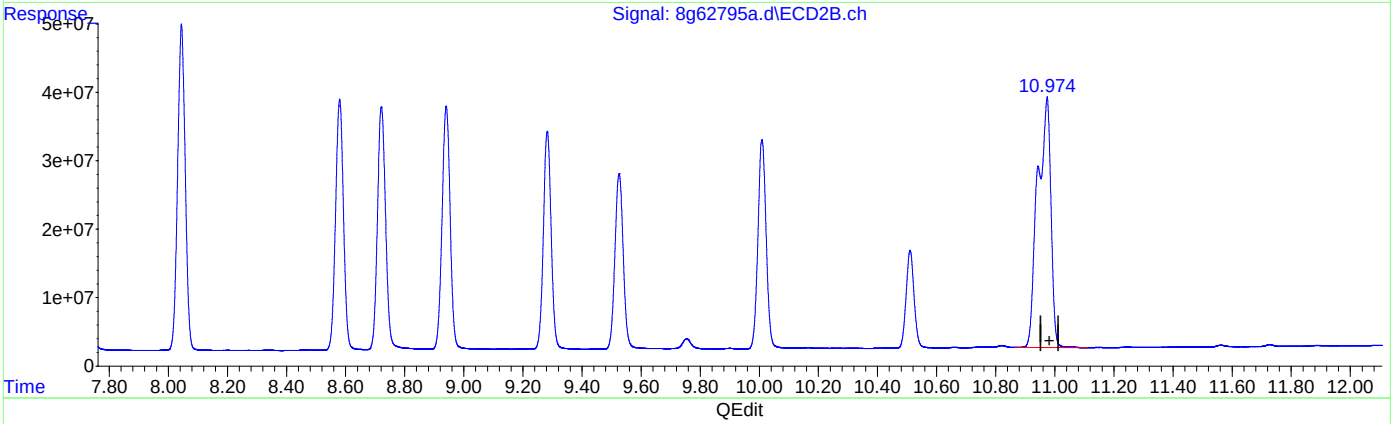
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\
Data File : 8g62795a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59740,g8g2702,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 14:15:12 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(25) Endrin Ketone (B)

8.837min 5.285 PPB

response 388696880

(25) Endrin Ketone #2 (B)

10.973min 6.536 PPB

response 1135884996

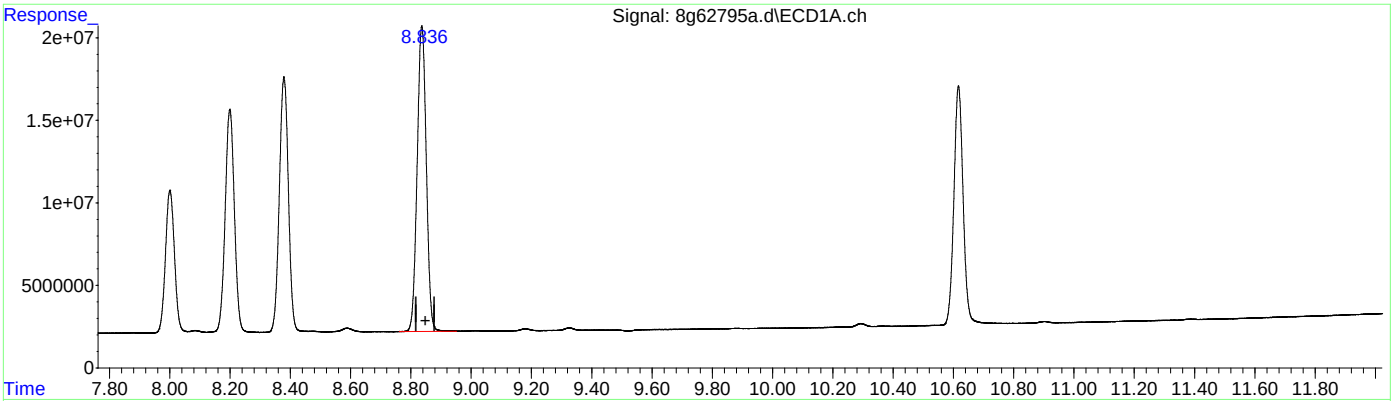
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Dec 04 14:35:04 2024

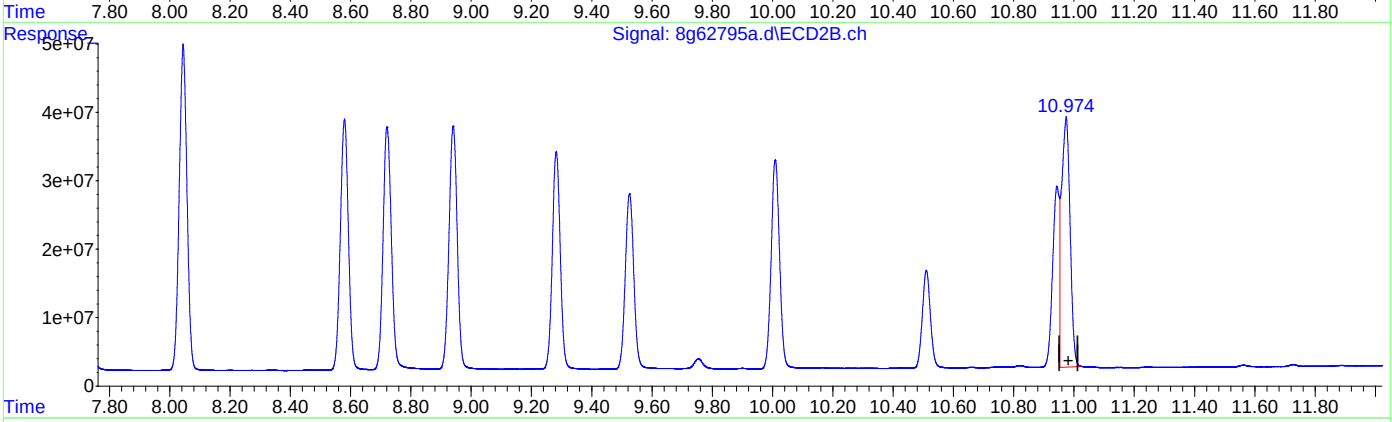
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\
Data File : 8g62795a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59740,g8g2702,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 14:15:12 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(25) Endrin Ketone (B)

8.837min 5.285 PPB

response 388696880

(25) Endrin Ketone #2 (B)

10.974min 4.093 PPB m

response 711348429

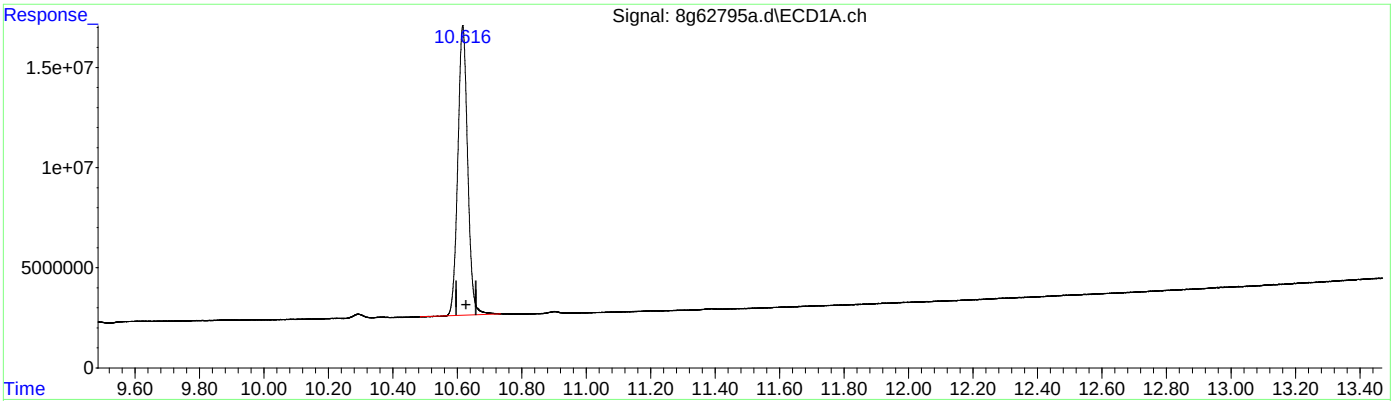
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Dec 04 14:35:33 2024

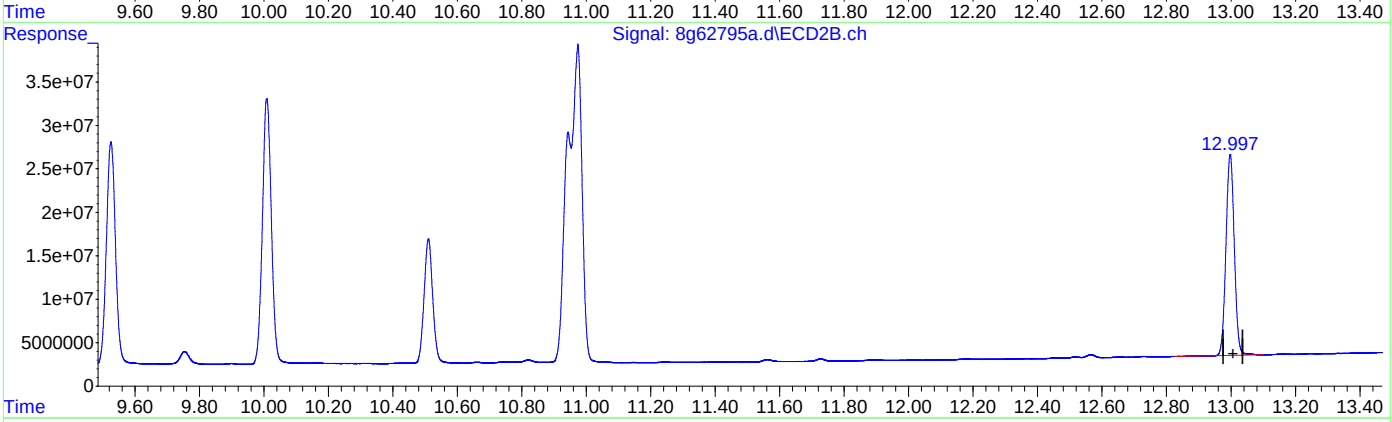
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\
Data File : 8g62795a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59740,g8g2702,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 14:15:12 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(26) Decachlorobiphenyl (SA)

10.617min 5.312 PPB

response 305555227

(26) Decachlorobiphenyl #2 (SA)

12.998min 4.204 PPB

response 414417012

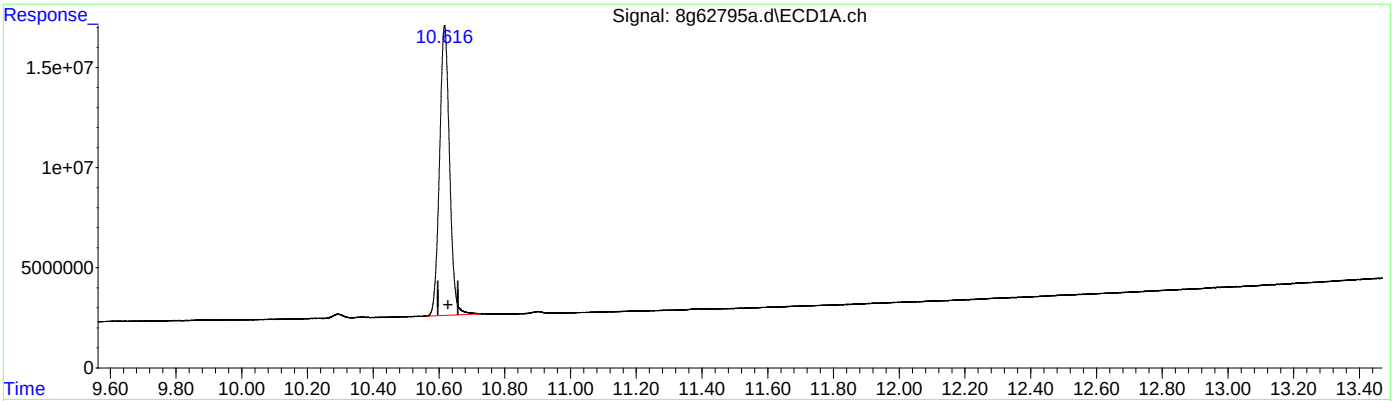
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Dec 04 14:35:44 2024

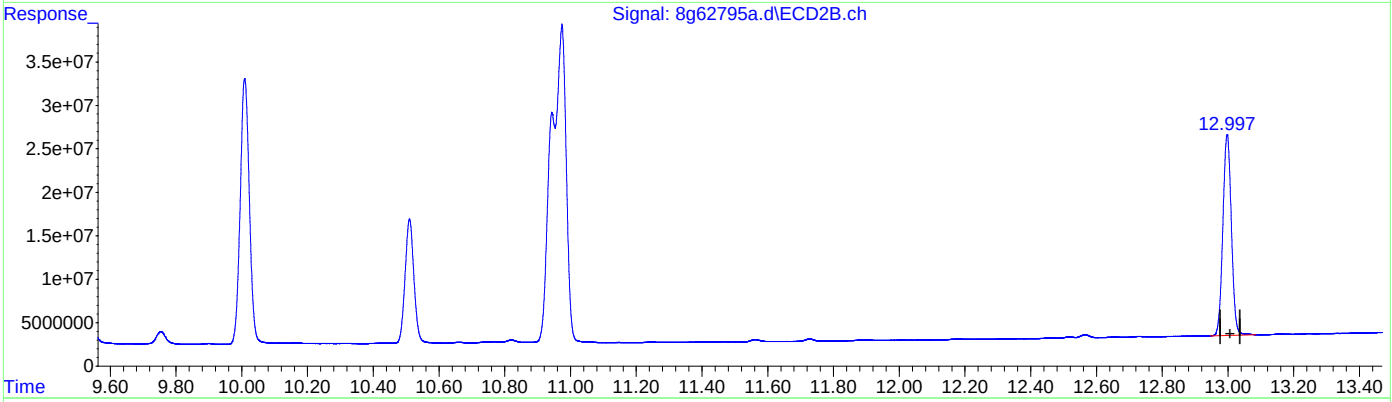
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\
Data File : 8g62795a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59740,g8g2702,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 14:15:12 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(26) Decachlorobiphenyl (SA)

10.616min 5.342 PPB m

response 307262130

(26) Decachlorobiphenyl #2 (SA)

12.997min 4.213 PPB m

response 415317387

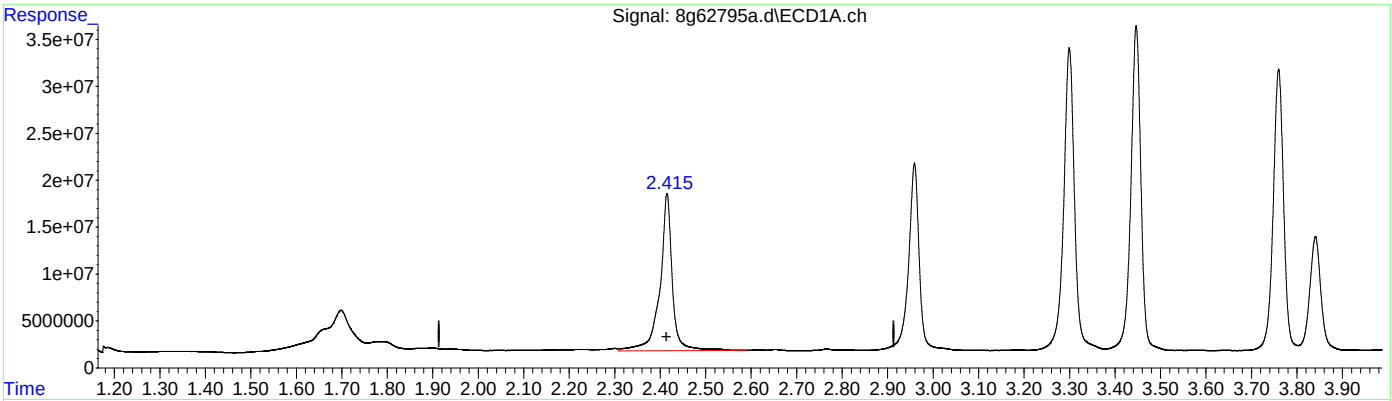
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Dec 04 14:36:07 2024

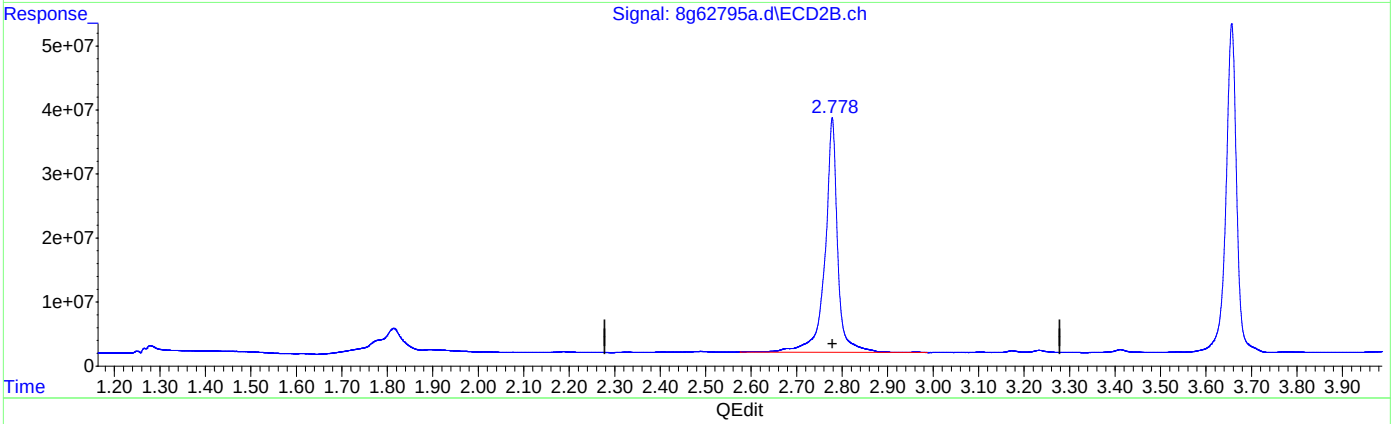
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\
Data File : 8g62795a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59740,g8g2702,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 14:15:12 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(27) 1-bromo-2-nitrobenzeneA (I)

2.415min 5.000 PPB

response 319518449

(27) 1-bromo-2-nitrobenzeneA #2 (I)

2.778min 5.000 PPB

response 711576293

(+) = Expected Retention Time
8PSTLVI2596a.M Wed Dec 04 14:36:12 2024

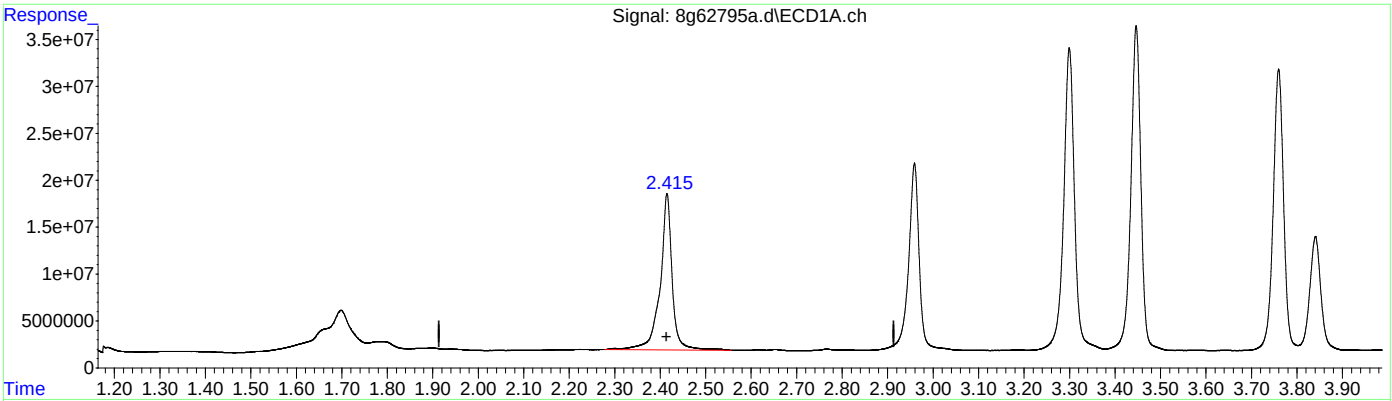
8G62795A.D edits: 1-bromo-2-nitrobenzeneA

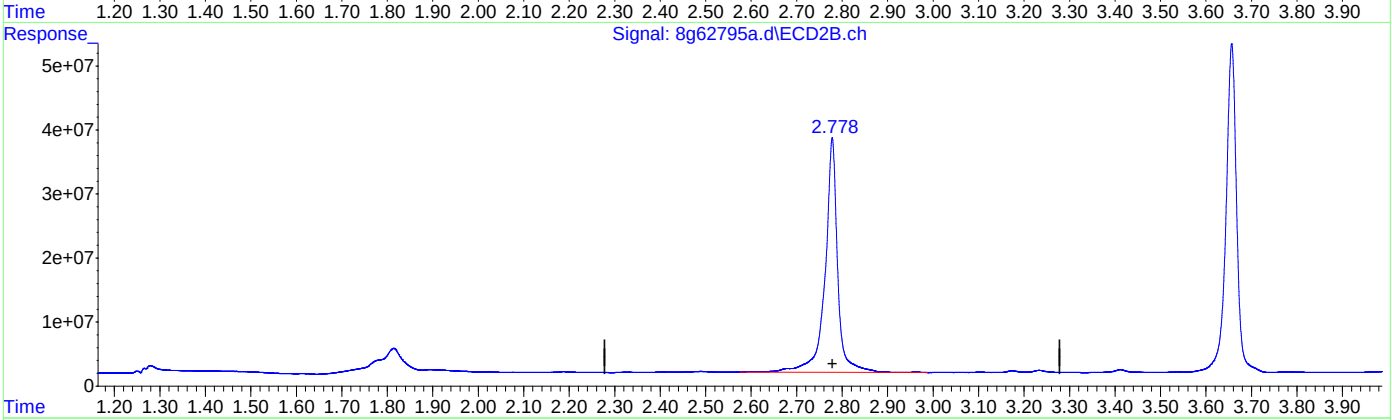
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\
Data File : 8g62795a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59740,g8g2702,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 14:15:12 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(27) 1-bromo-2-nitrobenzeneA (I)

2.415min 5.000 PPB m

response 309236336

(27) 1-bromo-2-nitrobenzeneA #2 (I)

2.778min 5.000 PPB

response 711576293

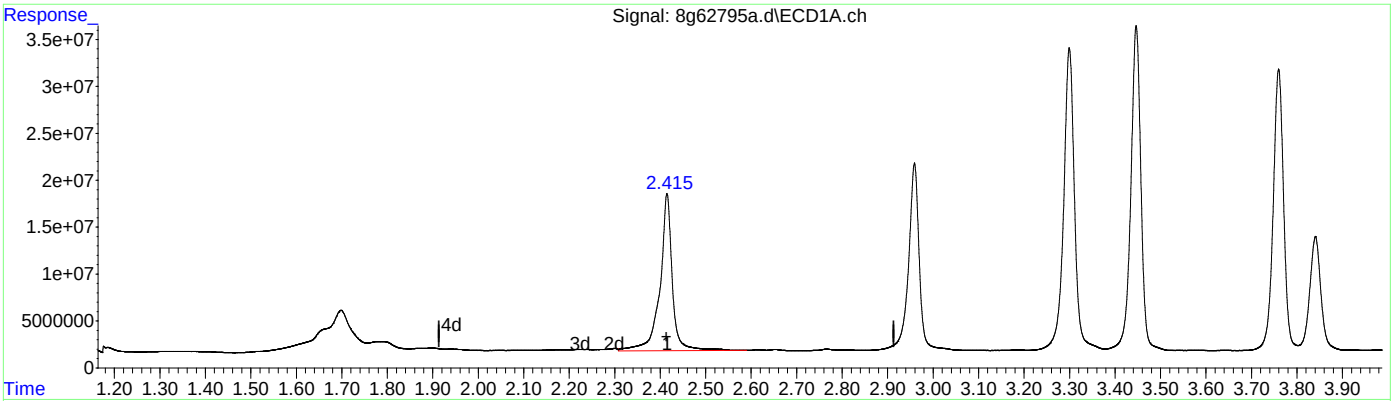
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Dec 04 14:36:27 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\
Data File : 8g62795a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59740,g8g2702,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 14:15:12 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(33) 1-bromo-2-nitrobenzeneB (I)

2.415min 5.000 PPB

response 319518449

(33) 1-bromo-2-nitrobenzeneB #2 (I)

2.778min 5.000 PPB

response 711576293

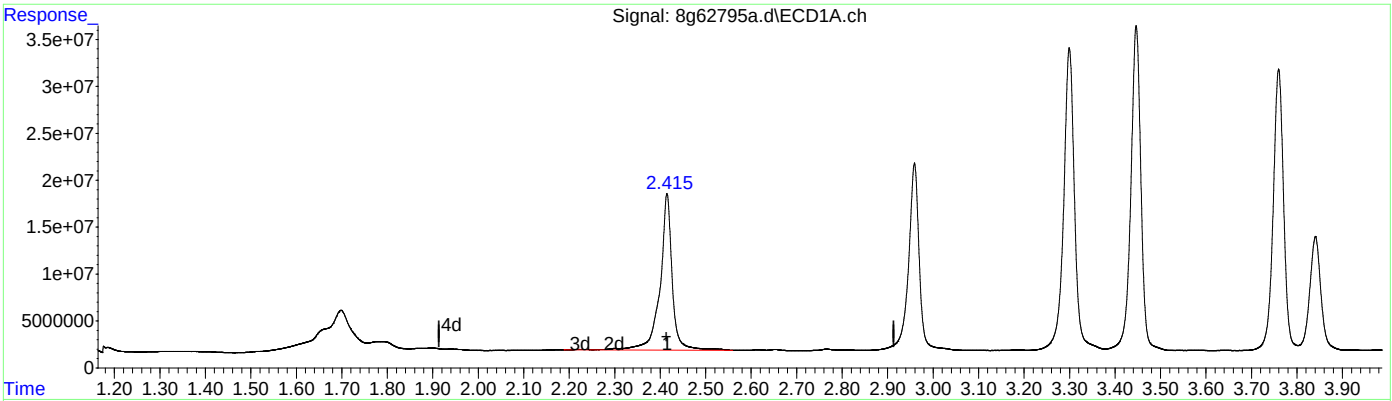
(+) = Expected Retention Time
8PSTLVI2596a.M Wed Dec 04 14:36:38 2024

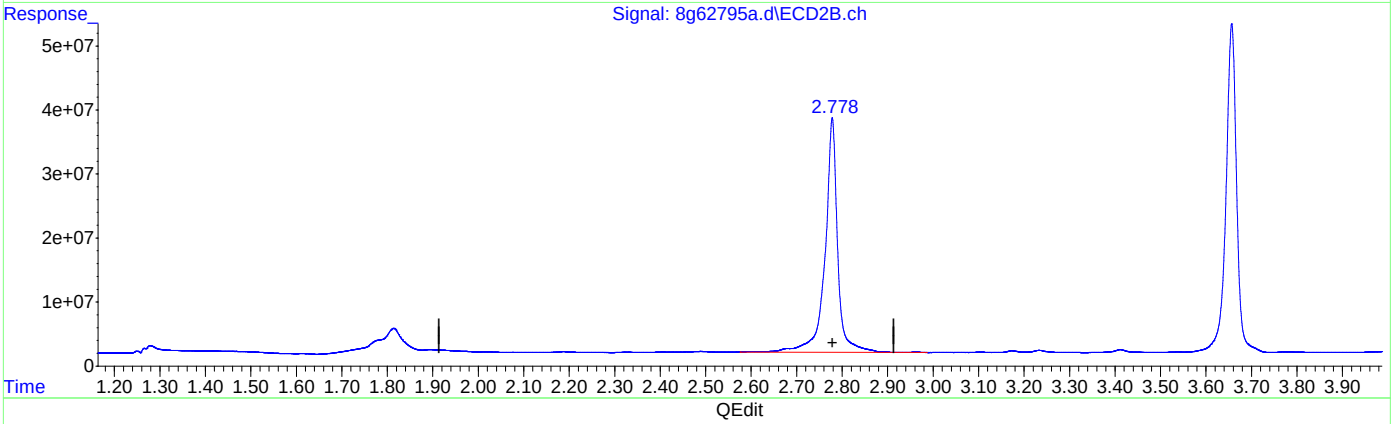
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\
Data File : 8g62795a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59740,g8g2702,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 14:15:12 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\lauraC\Dayton\g8g2702\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(33) 1-bromo-2-nitrobenzeneB (I)

2.415min 5.000 PPB m

response 313737189

(33) 1-bromo-2-nitrobenzeneB #2 (I)

2.778min 5.000 PPB

response 711576293

(+) = Expected Retention Time
8PSTLVI2596a.M Wed Dec 04 14:37:00 2024

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 12/05/24 15:03

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62845a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 3:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:27:19 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
		Internal Standards						
1)	I	1-bromo-2...	2.417	2.779	314.1E6	758.7E6	5.000	5.000
27)	I	1-bromo-2...	2.417	2.779	314.1E6	758.7E6	5.000	5.000
33)	I	1-bromo-2...	2.417	2.779	314.1E6	758.7E6	5.000	5.000
		System Monitoring Compounds						
2)	SAB	Tetrachlo...	2.959	3.655	316.7E6	866.6E6	5.225	4.662
		Spiked Amount 40.000	Range 30 - 150		Recovery =		13.06%#	11.65%#
26)	SA	Decachlor...	10.615	12.996	269.1E6	365.3E6	4.615	3.474
		Spiked Amount 40.000			Recovery =		11.54%	8.69%
		Target Compounds						
3)		hexachlor...	3.300	4.230	516.6E6	891.9E6	5.411	4.508
4)	A	alpha-BHC	3.446	4.388	515.5E6	1156.8E6	5.359	5.009
5)	MA	gamma-BHC	3.759	4.870	465.4E6	1003.8E6	5.867	4.915
6)	MA	Heptachlor	4.288	5.530	465.7E6	850.4E6	5.699	4.714
7)	B	beta-BHC	3.839	4.958	201.2E6	481.6E6	5.372	4.621
8)	B	delta-BHC	4.041	5.404	474.7E6	998.9E6	5.962	5.048
9)	MB	Aldrin	4.652	6.038	415.8E6	897.7E6	5.757	4.805
10)		alachlor	4.797	5.780	54773750	120.5E6	5.064	4.324
11)	B	Heptachlo...	5.421	6.923	392.2E6	842.2E6	5.504	4.773
12)	B	gamma-Chl...	5.594	7.233	406.6E6	851.7E6	5.353	4.883
13)	B	alpha-Chl...	5.776	7.471	403.4E6	832.2E6	5.703	4.802
14)	A	Endosulfan I	5.973	7.582	370.6E6	764.0E6	5.608	4.811
15)	B	4,4'-DDE	5.879	7.722	418.5E6	861.2E6	5.780	5.126
16)	MA	Dieldrin	6.314	8.041	402.9E6	852.0E6	5.597	4.744
17)	MA	Endrin	6.660	8.576	365.5E6	674.3E6	6.441	5.211m
18)	A	4,4'-DDD	6.766	8.718	331.0E6	681.0E6	5.459	4.610
19)	B	Endosulfa...	7.002	8.936	339.6E6	657.9E6	5.364	4.382
20)	MA	4,4'-DDT	7.204	9.280	334.6E6	557.7E6	5.467	4.564
21)	B	Endrin Al...	7.661	9.522	252.3E6	482.3E6	4.848m	4.090
22)	B	Endosulfa...	8.376	10.007	299.5E6	547.6E6	5.086	4.035
23)	A	Methoxychlor	7.998	10.509	170.5E6	249.5E6	4.793m	4.110
24)		Mirex	8.197	10.942	271.1E6	361.5E6	5.023	4.155m
25)	B	Endrin Ke...	8.834	10.971	364.2E6	635.1E6	4.885	3.427m#

SemiQuant Compounds - Not Calibrated on this Instrument

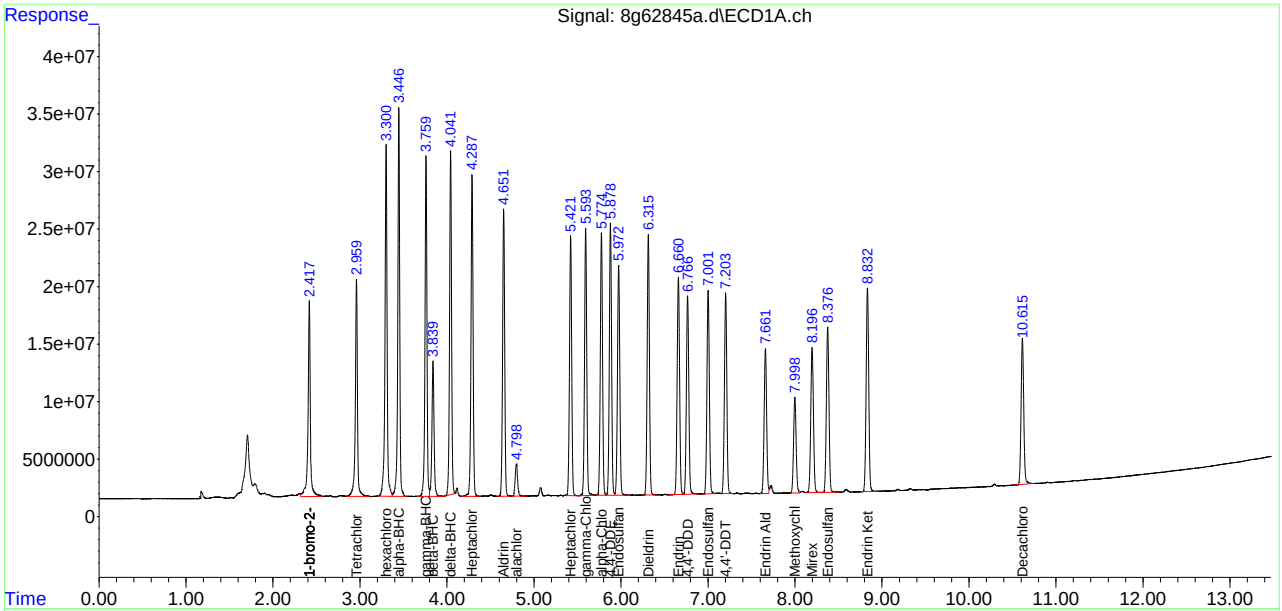
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

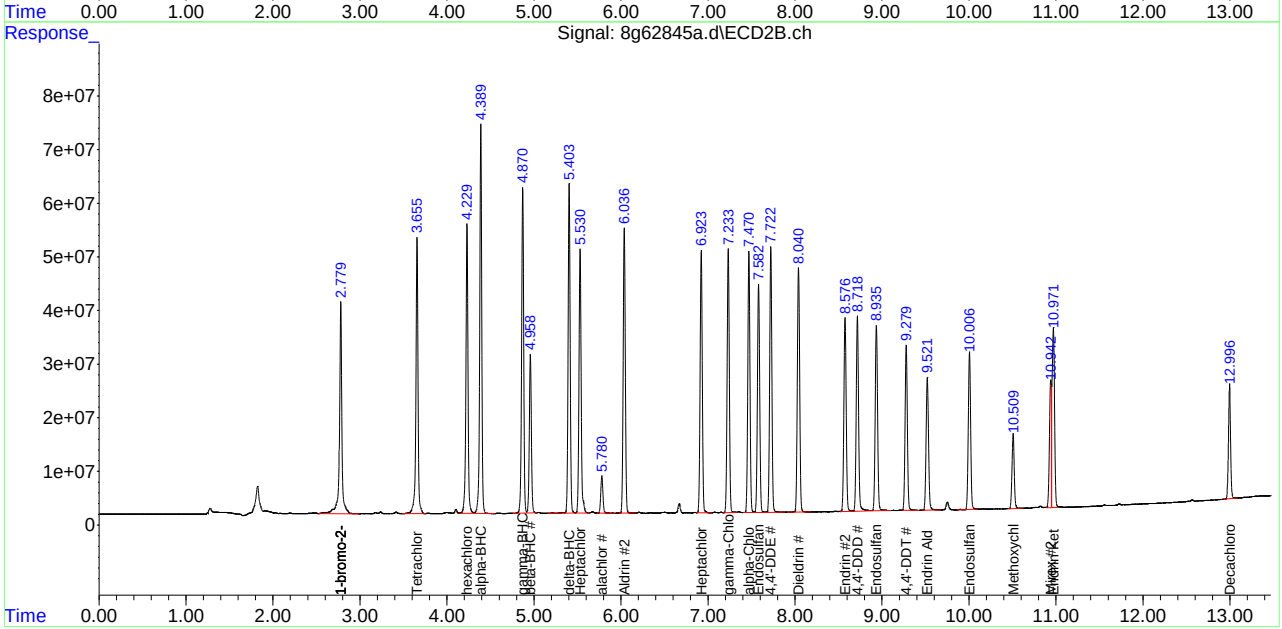
Quantitation Report (QT Reviewed)

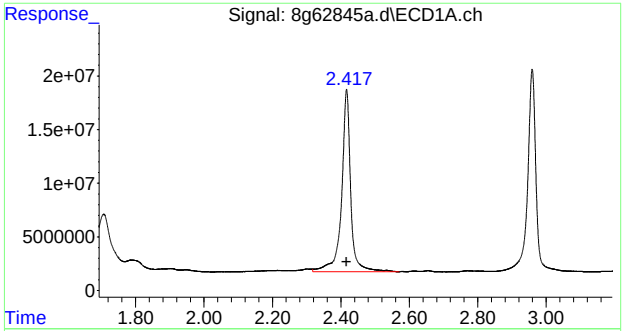
Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62845a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 3:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:27:19 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

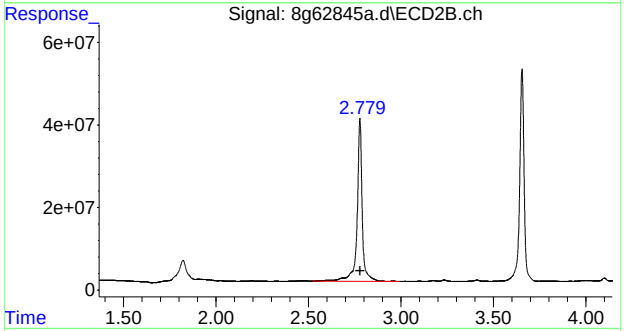






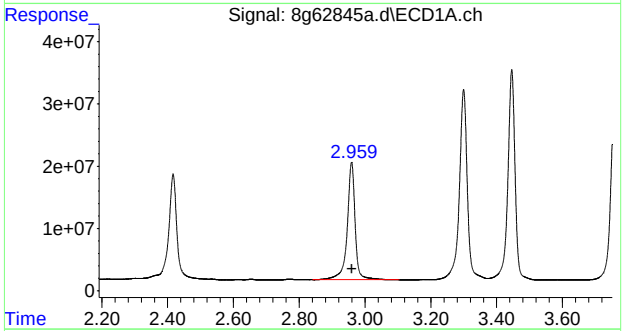
#1 1-bromo-2-nitrobenzene

R.T.: 2.417 min
Delta R.T.: 0.000 min
Response: 314141229
Conc: 5.00 PPB



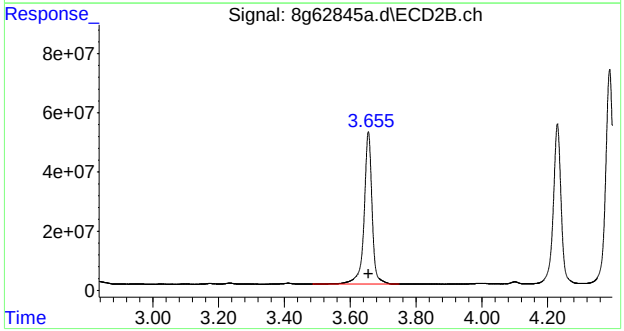
#1 1-bromo-2-nitrobenzene

R.T.: 2.779 min
Delta R.T.: 0.000 min
Response: 758724573
Conc: 5.00 PPB



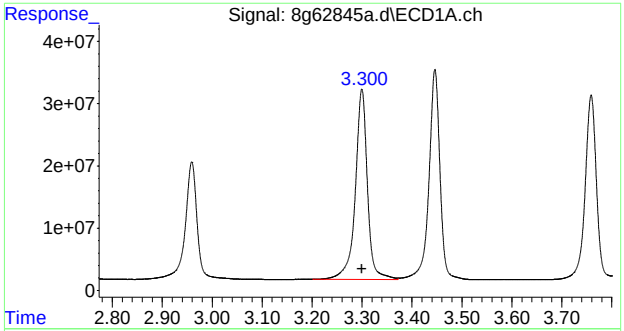
#2 Tetrachloro-m-xylene

R.T.: 2.959 min
Delta R.T.: 0.000 min
Response: 316671191
Conc: 5.22 PPB



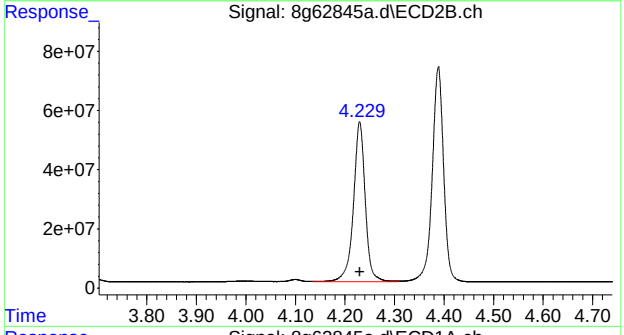
#2 Tetrachloro-m-xylene

R.T.: 3.655 min
Delta R.T.: 0.000 min
Response: 866606482
Conc: 4.66 PPB



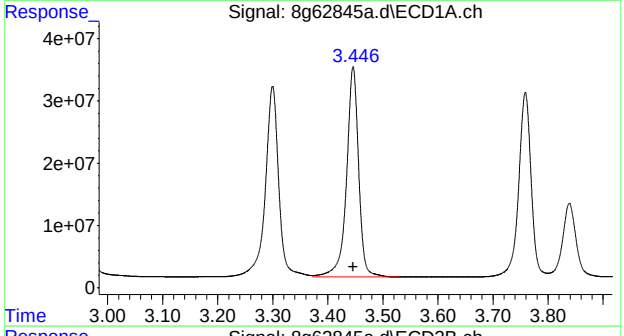
#3 hexachlorobenzene

R.T.: 3.300 min
Delta R.T.: 0.000 min
Response: 516567745
Conc: 5.41 PPB



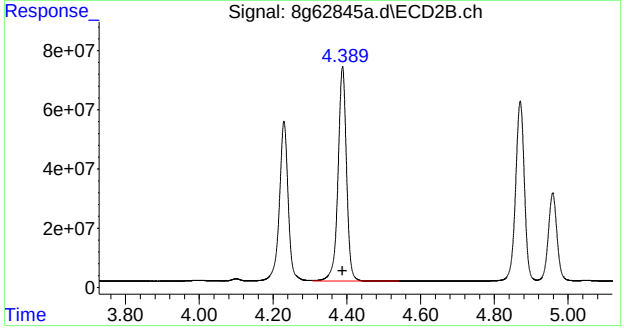
#3 hexachlorobenzene

R.T.: 4.230 min
Delta R.T.: 0.000 min
Response: 891852388
Conc: 4.51 PPB



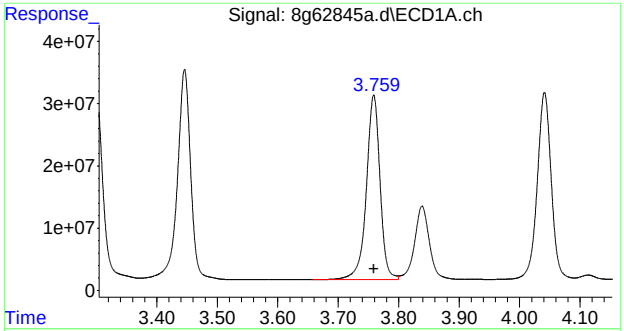
#4 alpha-BHC

R.T.: 3.446 min
Delta R.T.: 0.000 min
Response: 515548676
Conc: 5.36 PPB



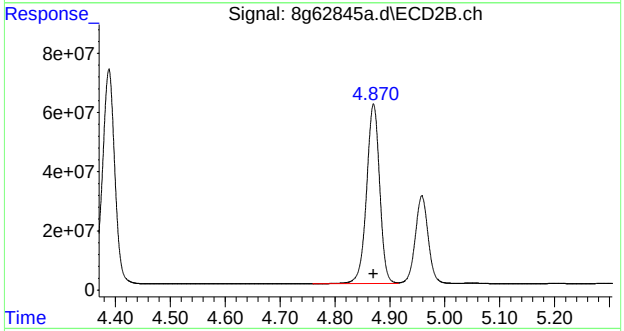
#4 alpha-BHC

R.T.: 4.388 min
Delta R.T.: 0.000 min
Response: 1156775969
Conc: 5.01 PPB



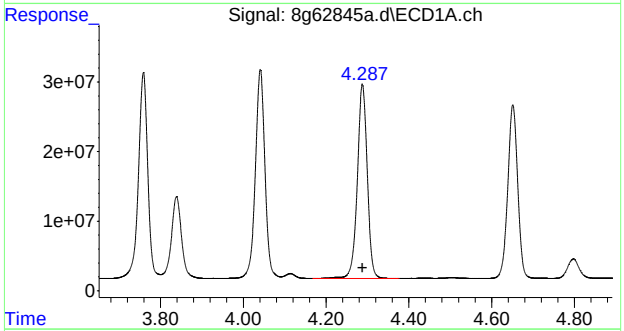
#5 gamma-BHC

R.T.: 3.759 min
Delta R.T.: 0.000 min
Response: 465372035
Conc: 5.87 PPB



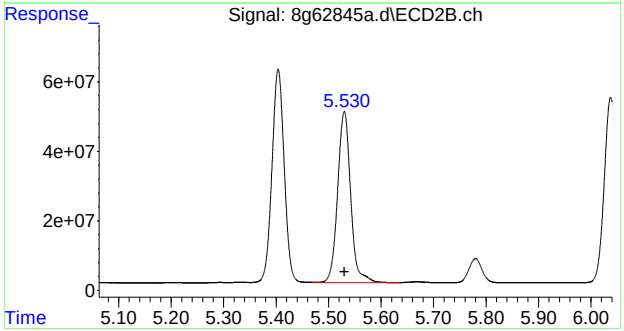
#5 gamma-BHC

R.T.: 4.870 min
Delta R.T.: 0.000 min
Response: 1003755307
Conc: 4.91 PPB



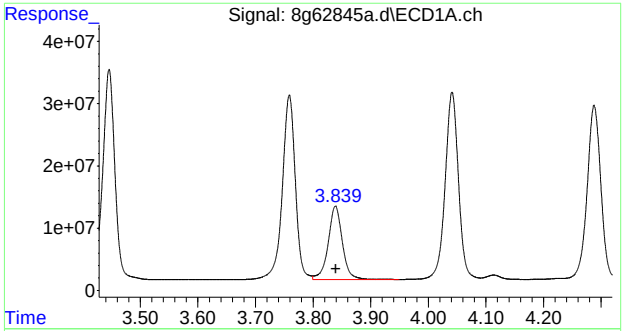
#6 Heptachlor

R.T.: 4.288 min
Delta R.T.: 0.000 min
Response: 465695294
Conc: 5.70 PPB



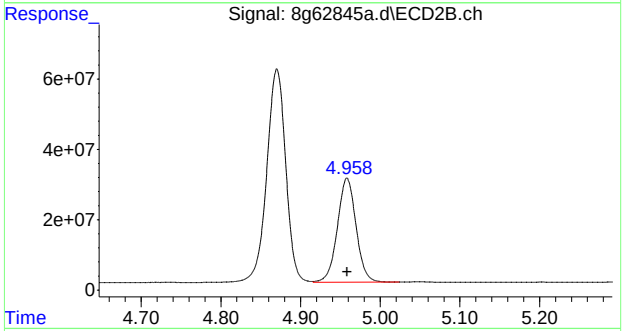
#6 Heptachlor

R.T.: 5.530 min
Delta R.T.: 0.000 min
Response: 850421075
Conc: 4.71 PPB



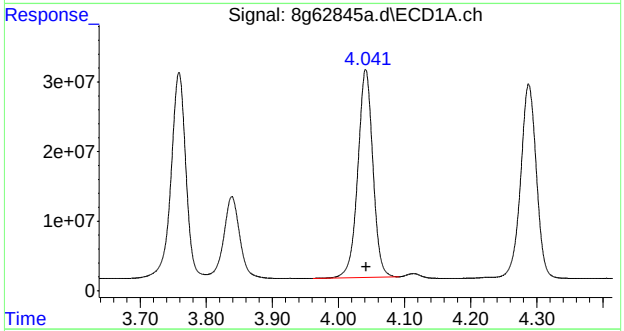
#7 beta-BHC

R.T.: 3.839 min
Delta R.T.: 0.000 min
Response: 201208849
Conc: 5.37 PPB



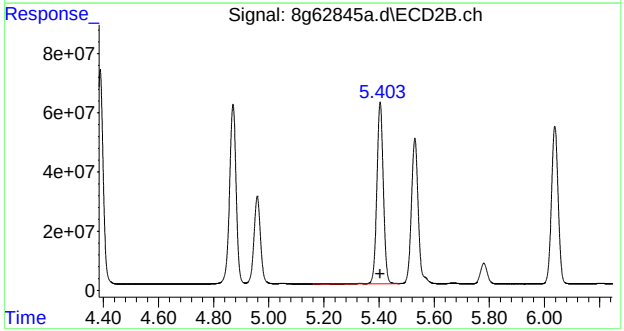
#7 beta-BHC

R.T.: 4.958 min
Delta R.T.: 0.000 min
Response: 481608020
Conc: 4.62 PPB



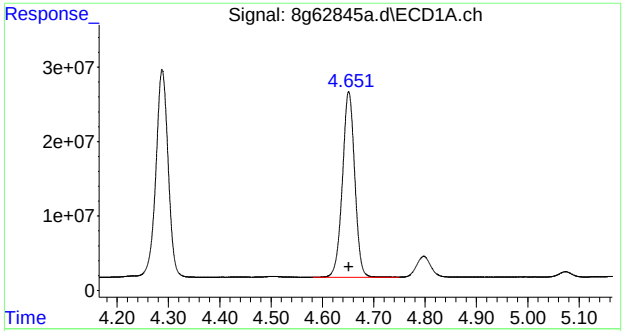
#8 delta-BHC

R.T.: 4.041 min
Delta R.T.: 0.000 min
Response: 474699127
Conc: 5.96 PPB



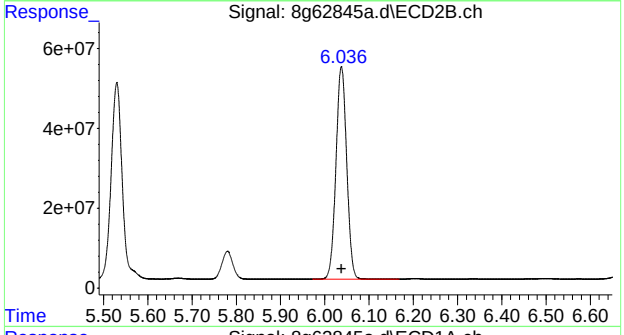
#8 delta-BHC

R.T.: 5.404 min
Delta R.T.: 0.000 min
Response: 998853445
Conc: 5.05 PPB



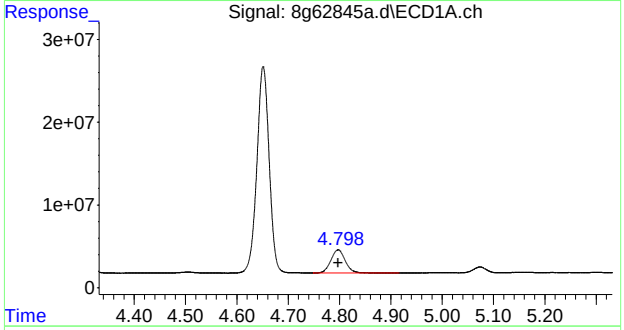
#9 Aldrin

R.T.: 4.652 min
Delta R.T.: 0.000 min
Response: 415797905
Conc: 5.76 PPB



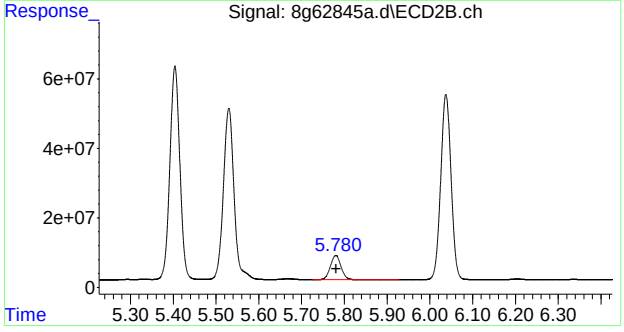
#9 Aldrin

R.T.: 6.038 min
Delta R.T.: 0.000 min
Response: 897668370
Conc: 4.81 PPB



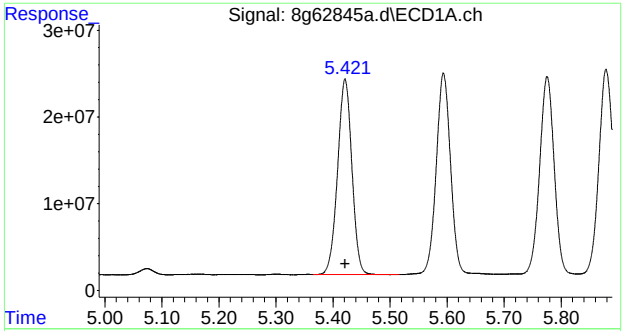
#10 alachlor

R.T.: 4.797 min
Delta R.T.: 0.000 min
Response: 54773750
Conc: 5.06 PPB



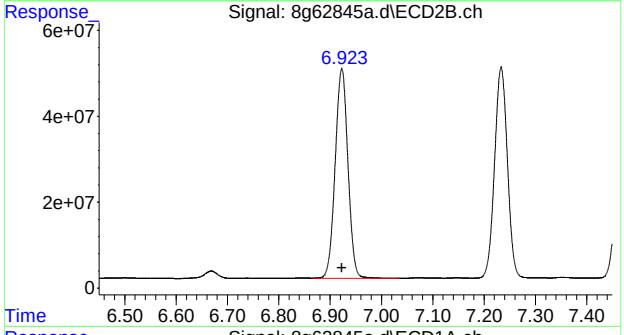
#10 alachlor

R.T.: 5.780 min
Delta R.T.: 0.000 min
Response: 120499799
Conc: 4.32 PPB



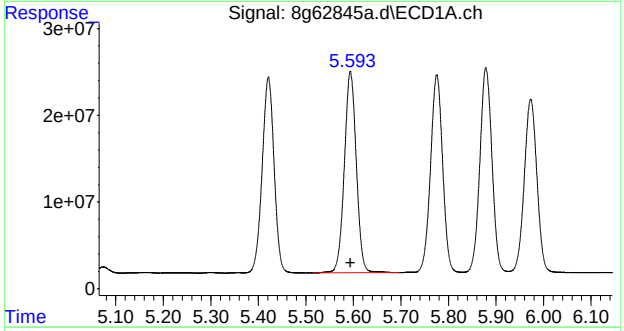
#11 Heptachlor Epoxide

R.T.: 5.421 min
Delta R.T.: 0.000 min
Response: 392211693
Conc: 5.50 PPB



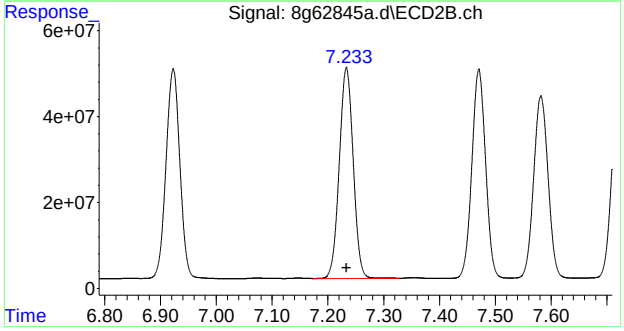
#11 Heptachlor Epoxide

R.T.: 6.923 min
Delta R.T.: 0.000 min
Response: 842201908
Conc: 4.77 PPB



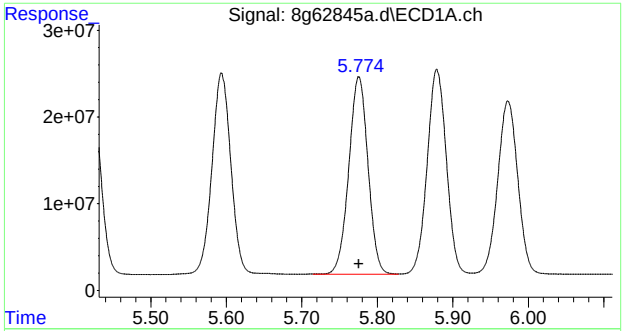
#12 gamma-Chlordane

R.T.: 5.594 min
Delta R.T.: 0.000 min
Response: 406580100
Conc: 5.35 PPB



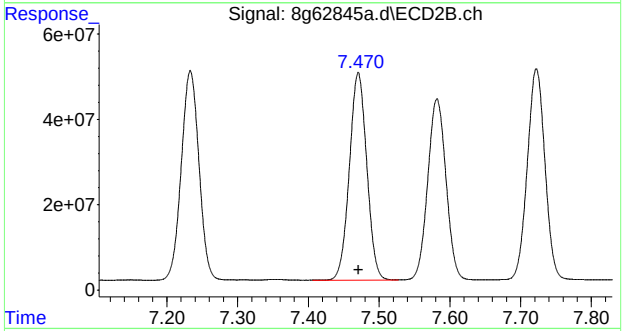
#12 gamma-Chlordane

R.T.: 7.233 min
Delta R.T.: 0.000 min
Response: 851730085
Conc: 4.88 PPB



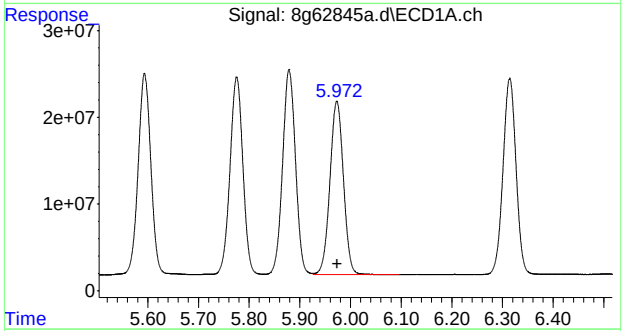
#13 alpha-Chlordane

R.T.: 5.776 min
Delta R.T.: 0.000 min
Response: 403397409
Conc: 5.70 PPB



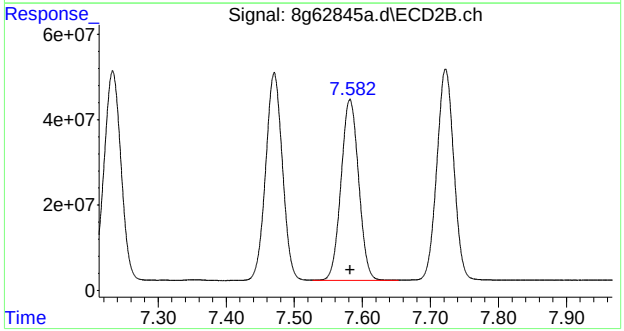
#13 alpha-Chlordane

R.T.: 7.471 min
Delta R.T.: 0.000 min
Response: 832184662
Conc: 4.80 PPB



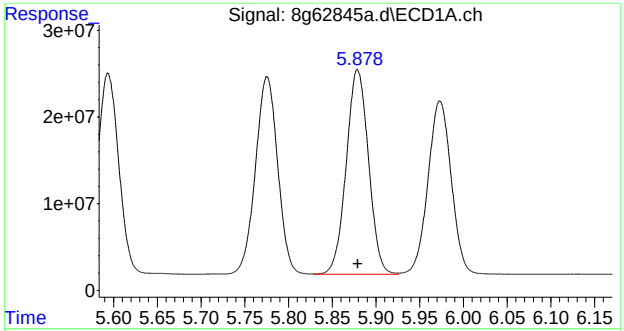
#14 Endosulfan I

R.T.: 5.973 min
Delta R.T.: 0.000 min
Response: 370624243
Conc: 5.61 PPB



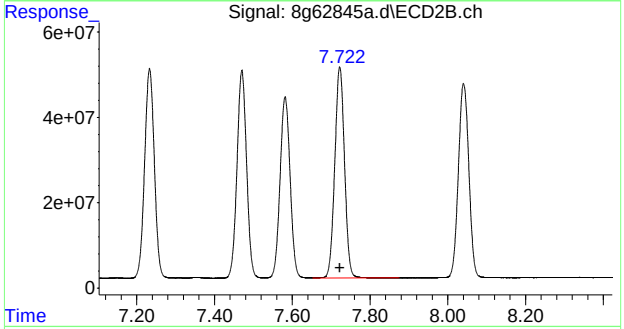
#14 Endosulfan I

R.T.: 7.582 min
Delta R.T.: 0.000 min
Response: 764014002
Conc: 4.81 PPB



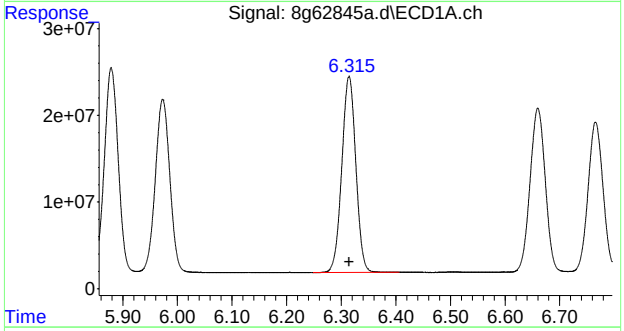
#15 4,4'-DDE

R.T.: 5.879 min
Delta R.T.: 0.000 min
Response: 418506970
Conc: 5.78 PPB



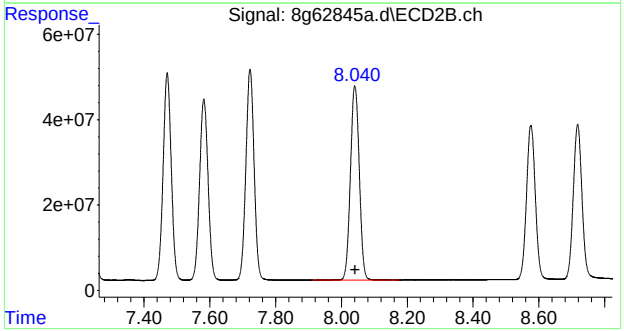
#15 4,4'-DDE

R.T.: 7.722 min
Delta R.T.: 0.000 min
Response: 861158252
Conc: 5.13 PPB



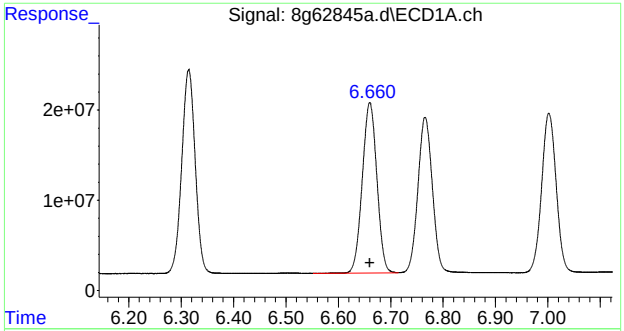
#16 Dieldrin

R.T.: 6.314 min
Delta R.T.: 0.000 min
Response: 402908857
Conc: 5.60 PPB



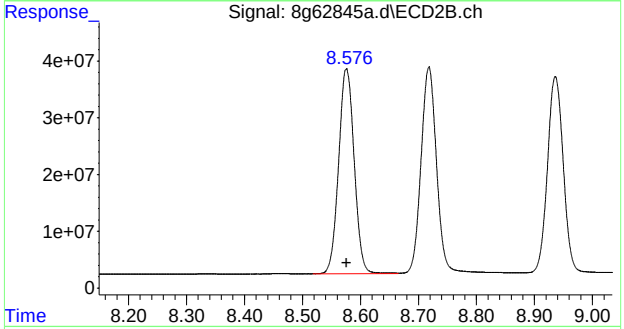
#16 Dieldrin

R.T.: 8.041 min
Delta R.T.: 0.000 min
Response: 851978409
Conc: 4.74 PPB



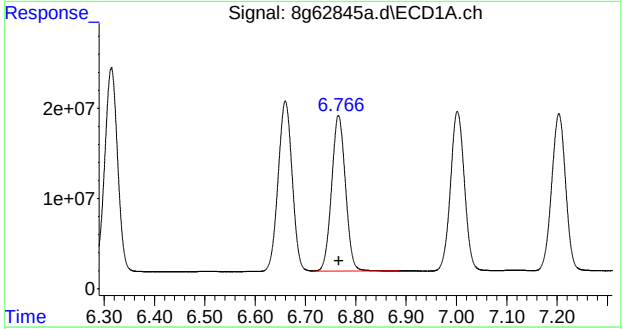
#17 Endrin

R.T.: 6.660 min
Delta R.T.: 0.000 min
Response: 365495494
Conc: 6.44 PPB



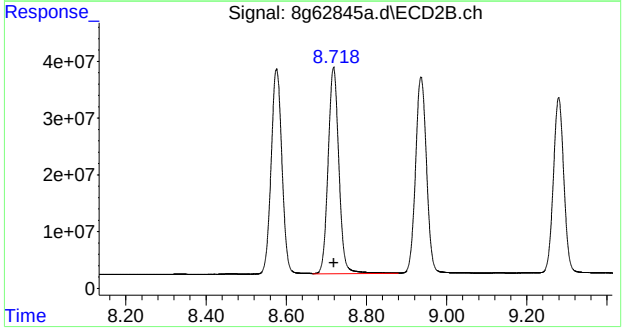
#17 Endrin

R.T.: 8.576 min
Delta R.T.: 0.000 min
Response: 674275925
Conc: 5.21 PPB m



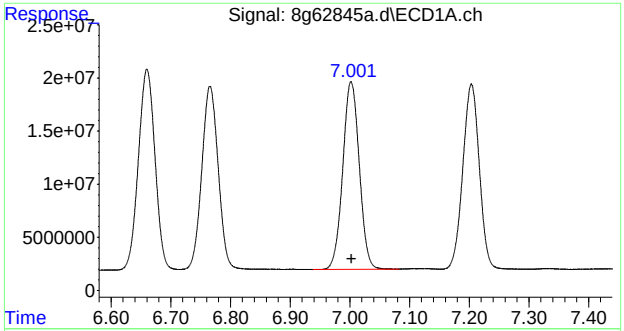
#18 4,4'-DDD

R.T.: 6.766 min
Delta R.T.: 0.000 min
Response: 330962983
Conc: 5.46 PPB



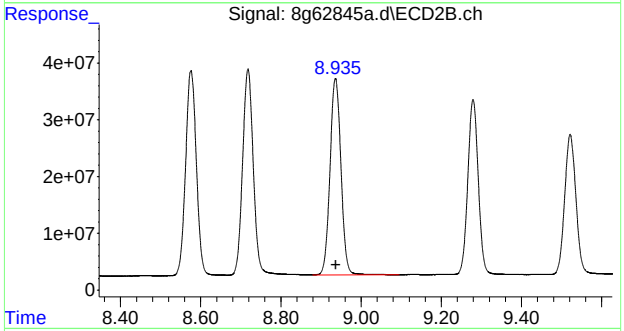
#18 4,4'-DDD

R.T.: 8.718 min
Delta R.T.: 0.000 min
Response: 680978831
Conc: 4.61 PPB



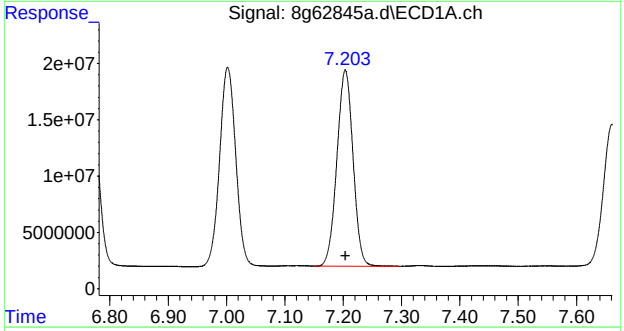
#19 Endosulfan II

R.T.: 7.002 min
Delta R.T.: 0.000 min
Response: 339569614
Conc: 5.36 PPB



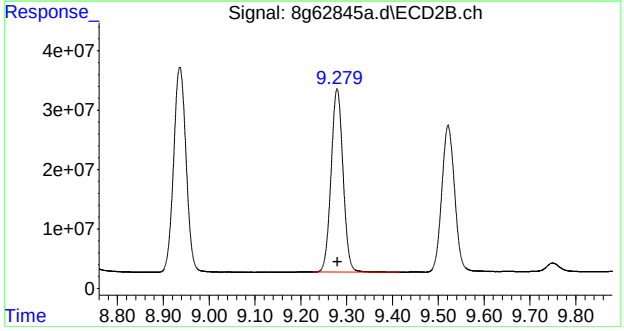
#19 Endosulfan II

R.T.: 8.936 min
Delta R.T.: 0.000 min
Response: 657903581
Conc: 4.38 PPB



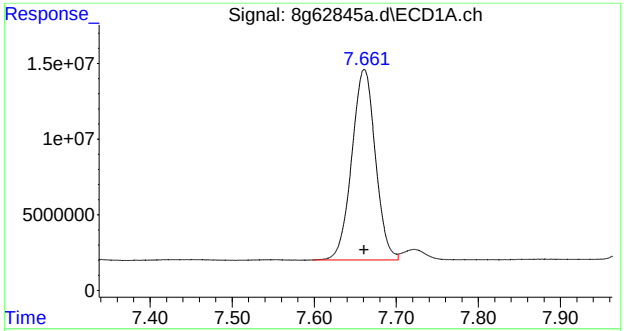
#20 4,4'-DDT

R.T.: 7.204 min
Delta R.T.: 0.000 min
Response: 334624269
Conc: 5.47 PPB



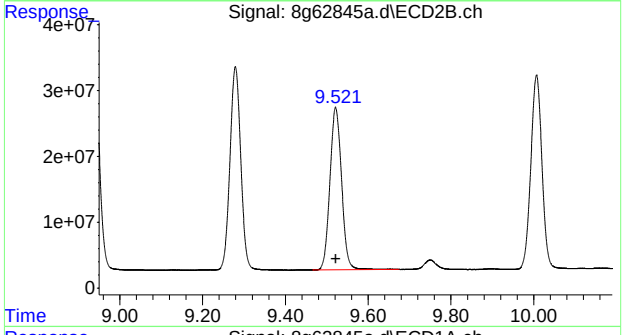
#20 4,4'-DDT

R.T.: 9.280 min
Delta R.T.: 0.000 min
Response: 557705225
Conc: 4.56 PPB



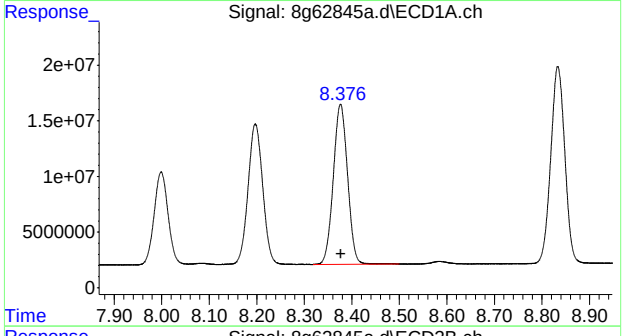
#21 Endrin Aldehyde

R.T.: 7.661 min
Delta R.T.: 0.000 min
Response: 252305799
Conc: 4.85 PPB m



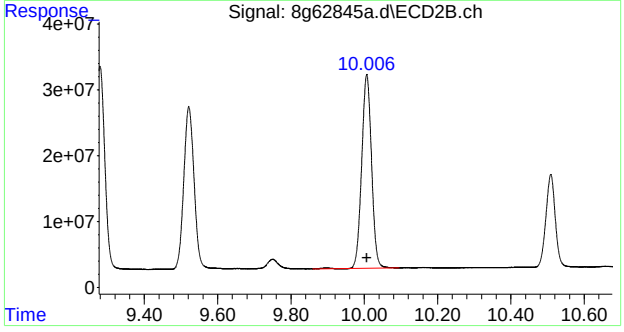
#21 Endrin Aldehyde

R.T.: 9.522 min
Delta R.T.: 0.000 min
Response: 482260007
Conc: 4.09 PPB



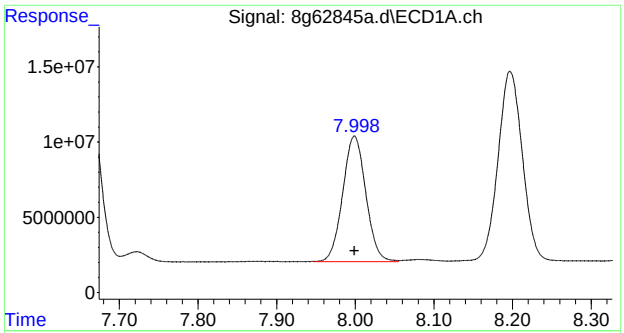
#22 Endosulfan Sulfate

R.T.: 8.376 min
Delta R.T.: 0.000 min
Response: 299463038
Conc: 5.09 PPB



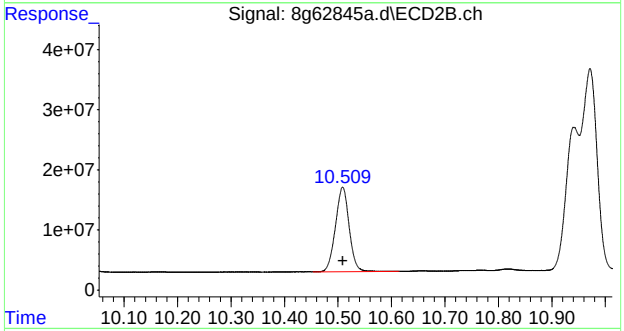
#22 Endosulfan Sulfate

R.T.: 10.007 min
Delta R.T.: 0.000 min
Response: 547573088
Conc: 4.04 PPB



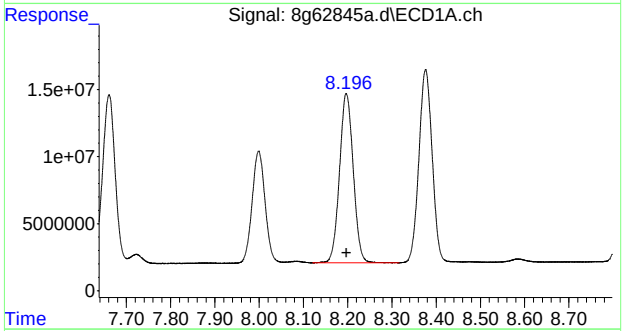
#23 Methoxychlor

R.T.: 7.998 min
Delta R.T.: 0.000 min
Response: 170545029
Conc: 4.79 PPB m



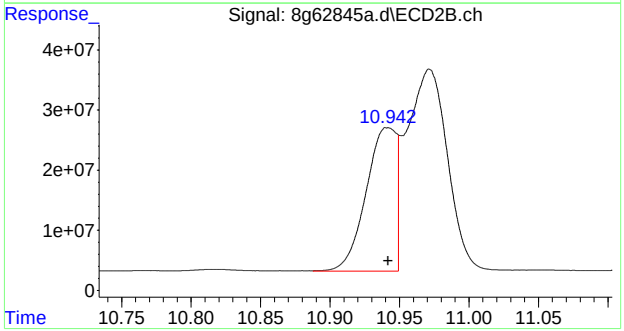
#23 Methoxychlor

R.T.: 10.509 min
Delta R.T.: 0.000 min
Response: 249506235
Conc: 4.11 PPB



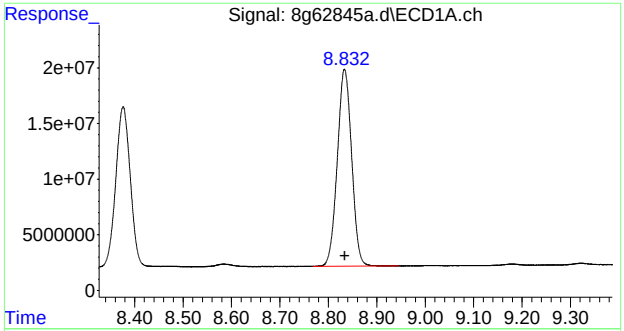
#24 Mirex

R.T.: 8.197 min
Delta R.T.: 0.000 min
Response: 271072472
Conc: 5.02 PPB



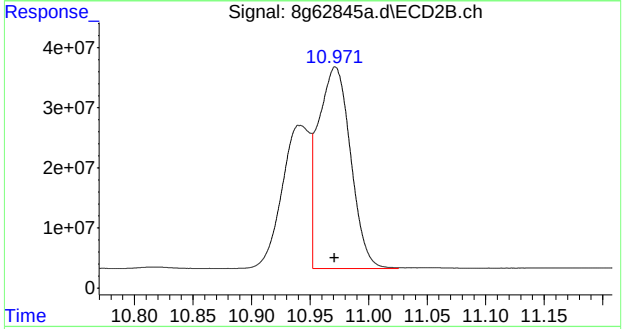
#24 Mirex

R.T.: 10.942 min
Delta R.T.: 0.000 min
Response: 361477657
Conc: 4.15 PPB m



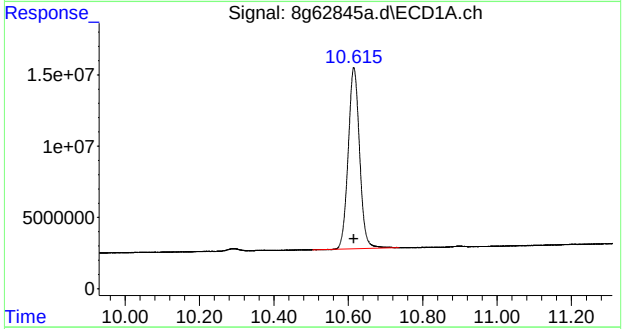
#25 Endrin Ketone

R.T.: 8.834 min
Delta R.T.: 0.000 min
Response: 364156247
Conc: 4.88 PPB



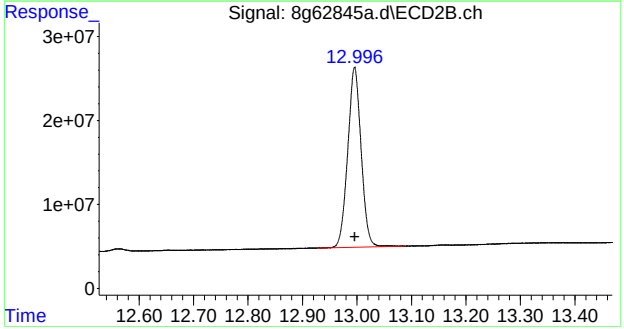
#25 Endrin Ketone

R.T.: 10.971 min
Delta R.T.: 0.000 min
Response: 635145575
Conc: 3.43 PPB m



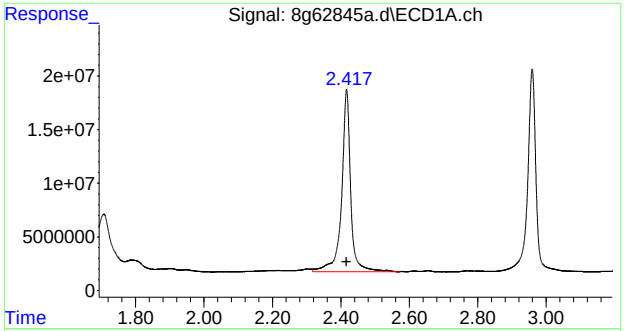
#26 Decachlorobiphenyl

R.T.: 10.615 min
Delta R.T.: 0.000 min
Response: 269109141
Conc: 4.62 PPB



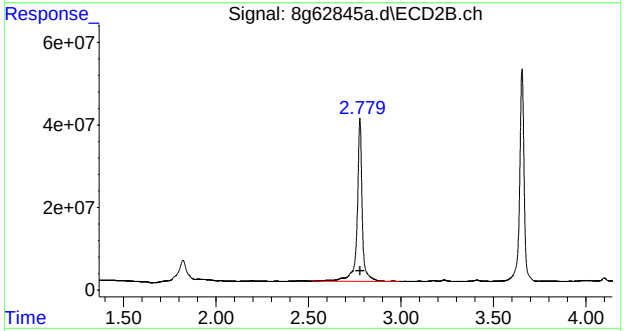
#26 Decachlorobiphenyl

R.T.: 12.996 min
Delta R.T.: 0.000 min
Response: 365301651
Conc: 3.47 PPB



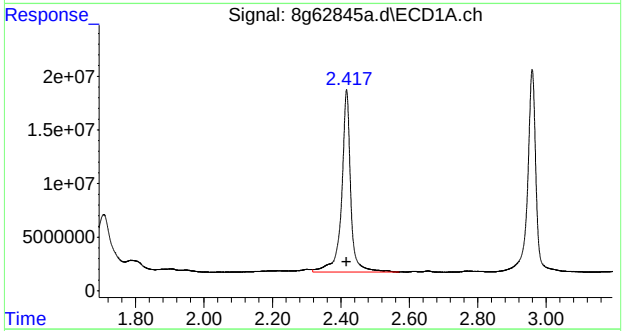
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.417 min
Delta R.T.: 0.000 min
Response: 314141229
Conc: 5.00 PPB



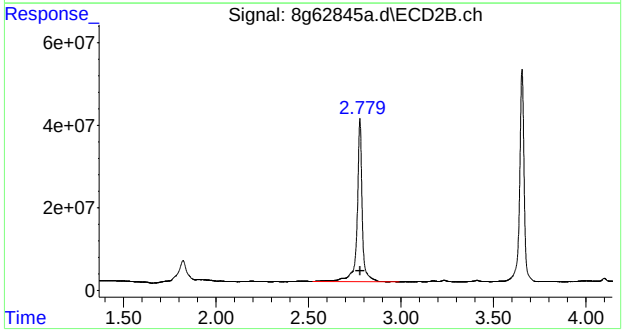
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.779 min
Delta R.T.: 0.000 min
Response: 758724573
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.417 min
Delta R.T.: 0.000 min
Response: 314141229
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.779 min
Delta R.T.: 0.000 min
Response: 758724573
Conc: 5.00 PPB

Manual Integration Approval Summary

Sample Number: G8G2704-CC2596
Lab FileID: 8G62845A.D
Injection Time: 12/04/24 15:22
Method: SW846 8081B
Analyst approved: 12/05/24 01:09 Christopher Changho
Supervisor approved: 12/05/24 15:03 Gwendolyn Burns

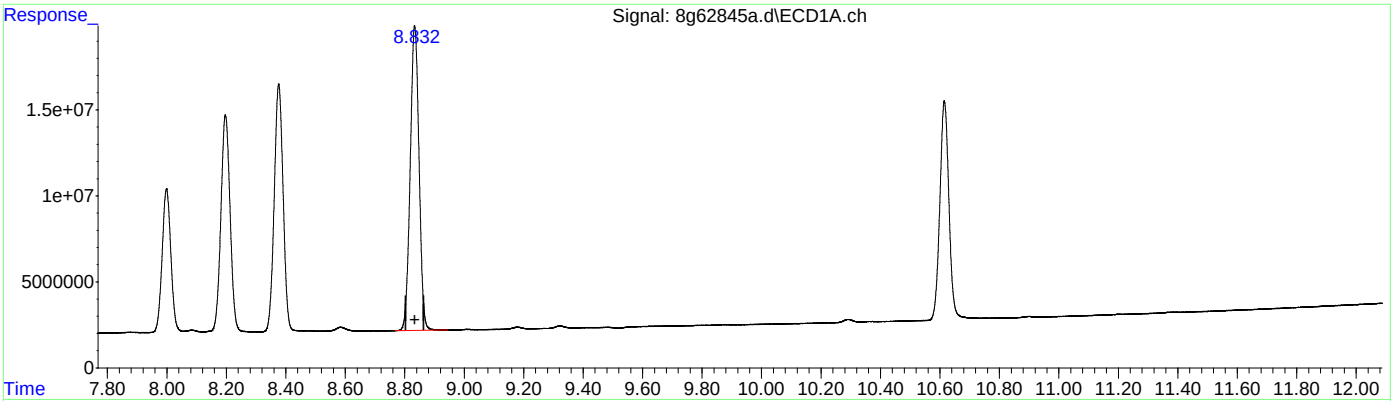
Parameter	CAS	Sig#	R.T. (min.)	Reason
Endrin aldehyde	7421-93-4	1	7.66	Poorly defined baseline
Methoxychlor	72-43-5	1	8.00	Poorly defined baseline
Endrin	72-20-8	2	8.58	Poorly defined baseline
Mirex	2385-85-5	2	10.94	Poorly defined baseline
Endrin ketone	53494-70-5	2	10.97	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62845a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 3:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:15 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(25) Endrin Ketone (B)

8.834min 4.885 PPB

response 364156247

(25) Endrin Ketone #2 (B)

10.971min 5.611 PPB

response 1040113823

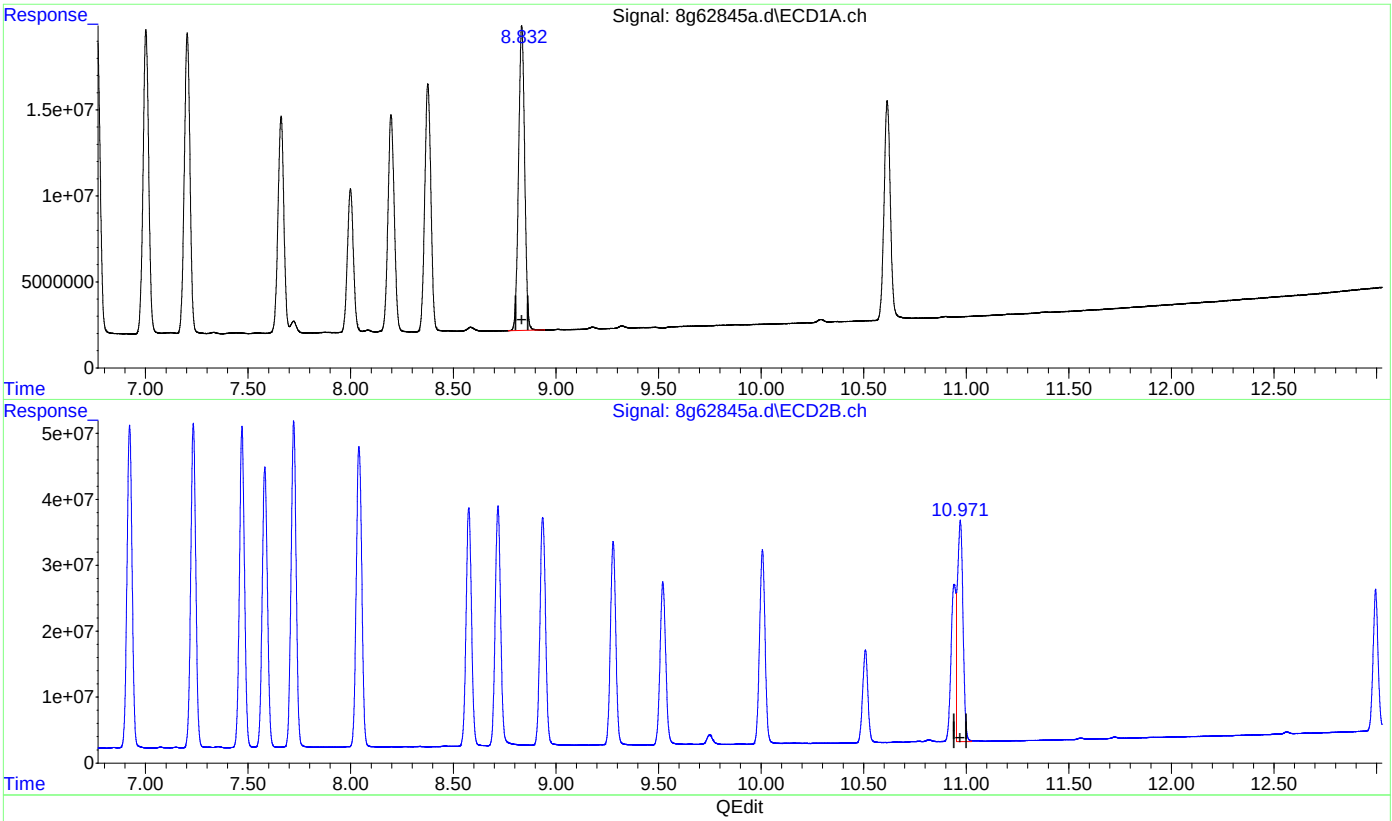
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:26:20 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62845a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 3:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:15 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(25) Endrin Ketone (B)

8.834min 4.885 PPB

response 364156247

(25) Endrin Ketone #2 (B)

10.971min 3.427 PPB m

response 635145575

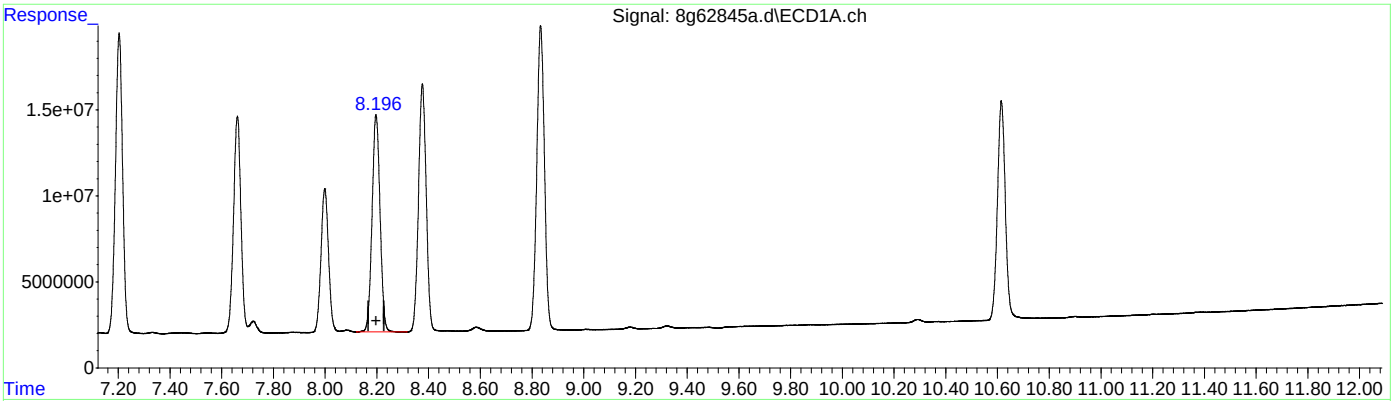
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:26:26 2024

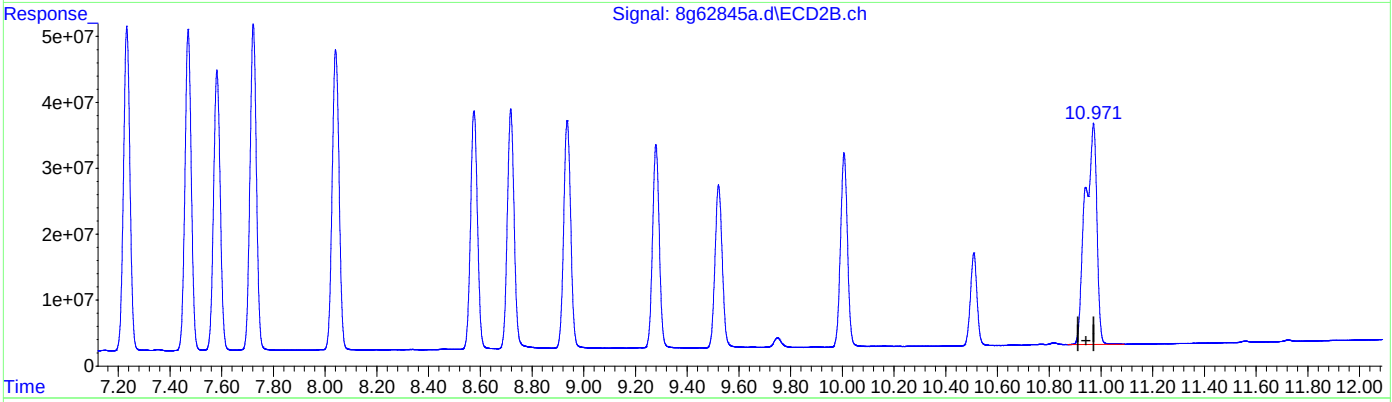
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62845a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 3:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:15 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(24) Mirex

8.197min 5.023 PPB

response 271072472

(24) Mirex #2

10.971min 11.955 PPB

response 1040113823

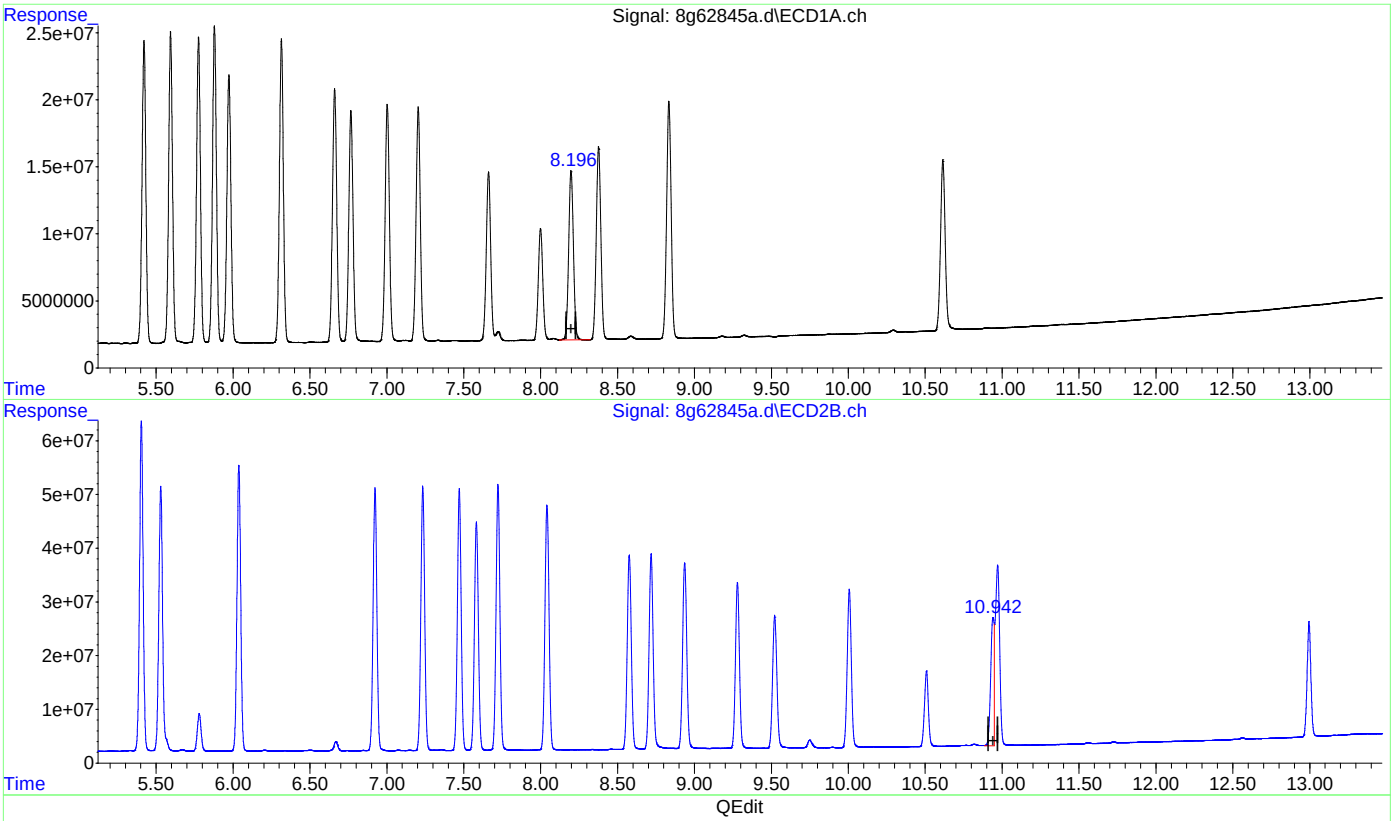
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:26:28 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62845a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 3:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:15 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(24) Mirex

8.197min 5.023 PPB

response 271072472

(24) Mirex #2

10.942min 4.155 PPB m

response 361477657

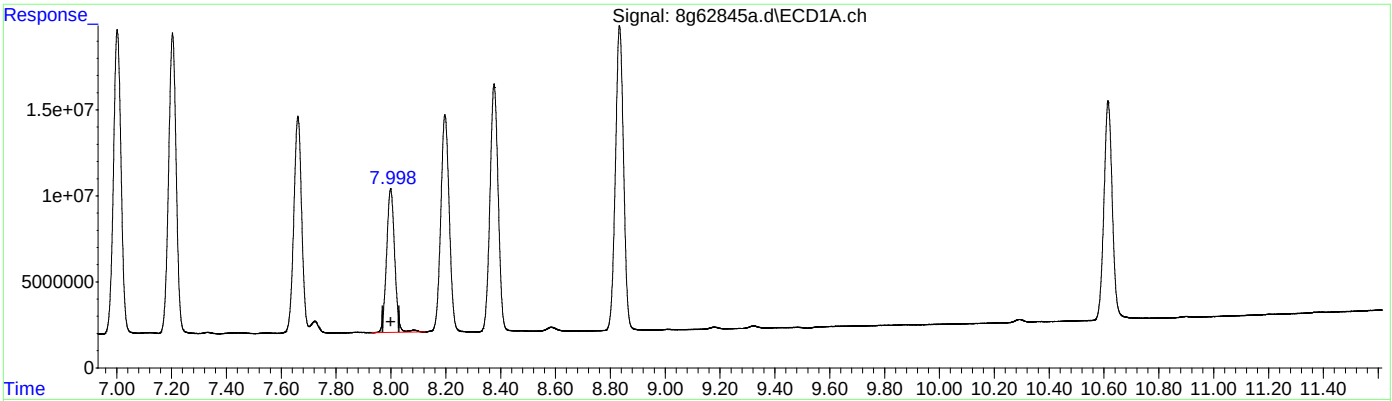
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:26:46 2024

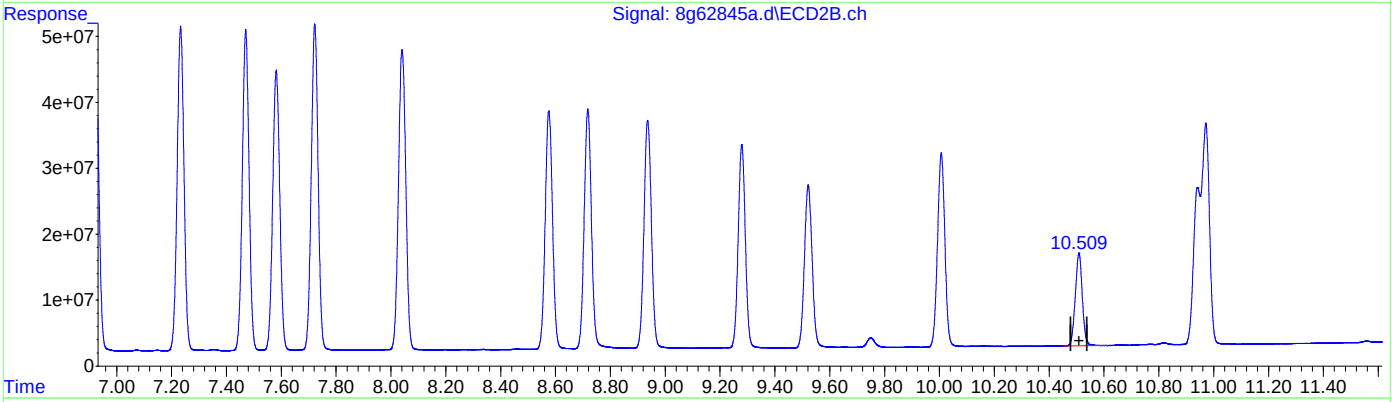
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62845a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 3:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:15 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(23) Methoxychlor (A)

7.999min 4.834 PPB

response 172013112

(23) Methoxychlor #2 (A)

10.509min 4.110 PPB

response 249506235

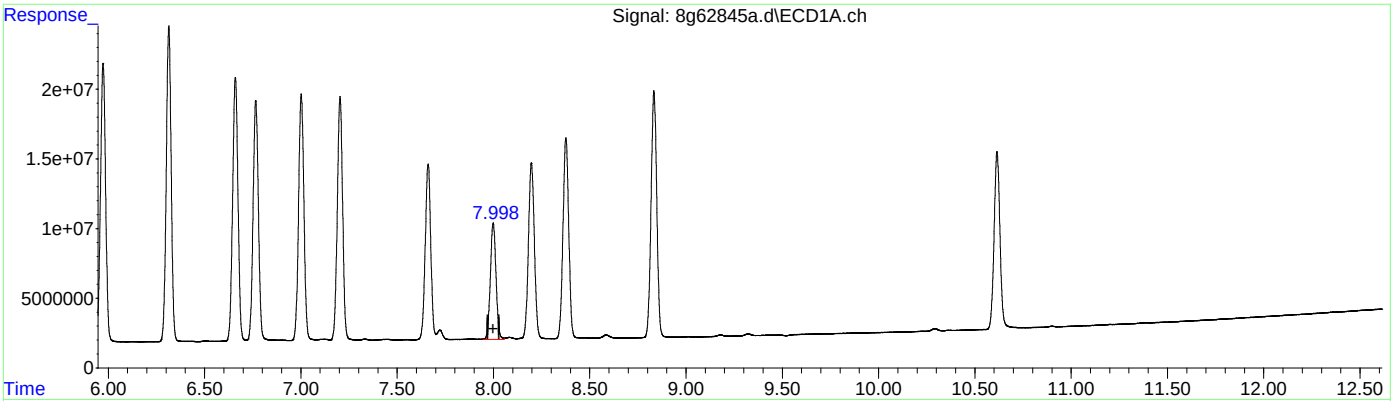
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:26:51 2024

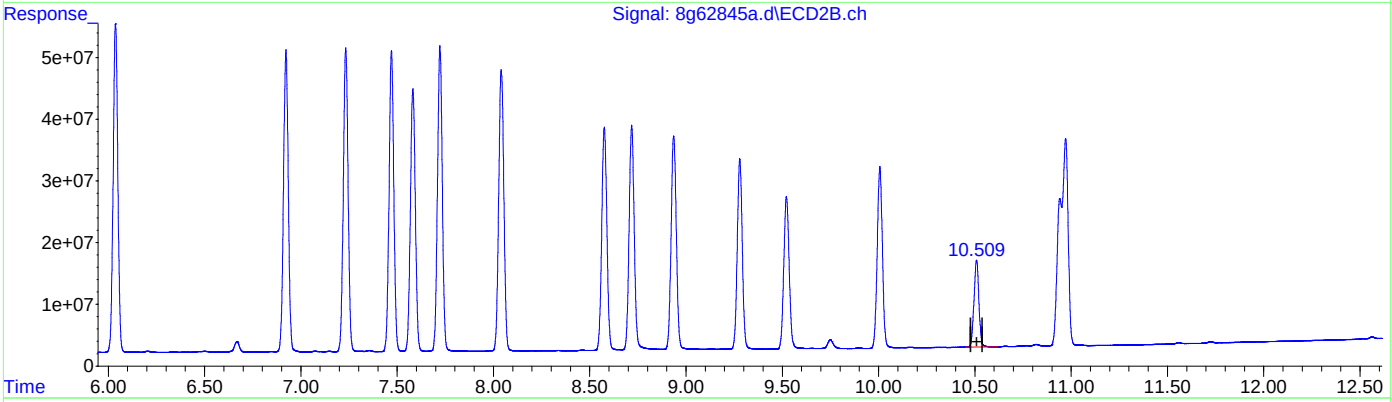
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62845a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 3:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:15 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





QEdit

(23) Methoxychlor (A)

7.998min 4.793 PPB m

response 170545029

(23) Methoxychlor #2 (A)

10.509min 4.110 PPB

response 249506235

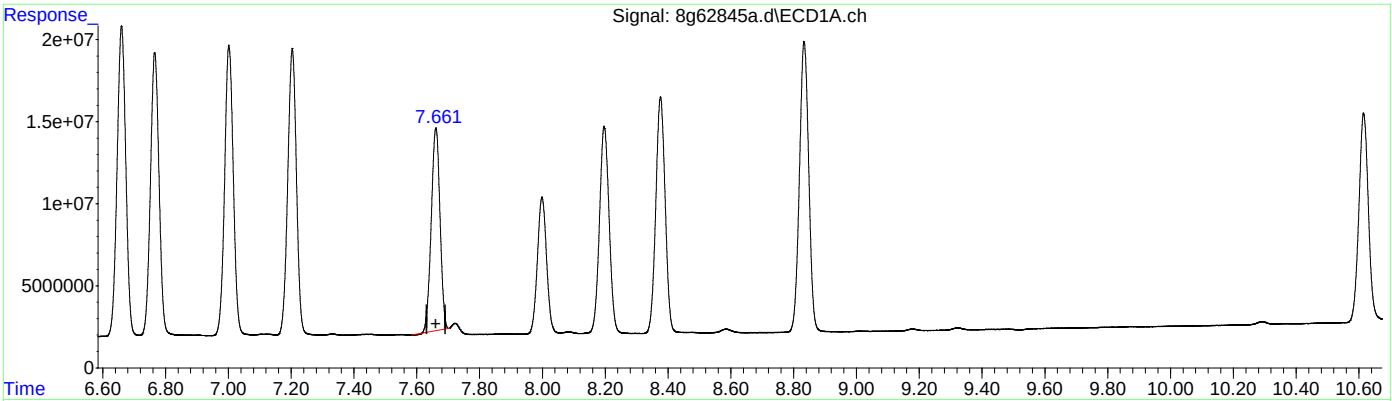
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:26:55 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62845a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 3:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:15 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(21) Endrin Aldehyde (B)

7.661min 4.573 PPB

response 237998827

(21) Endrin Aldehyde #2 (B)

9.522min 4.090 PPB

response 482260007

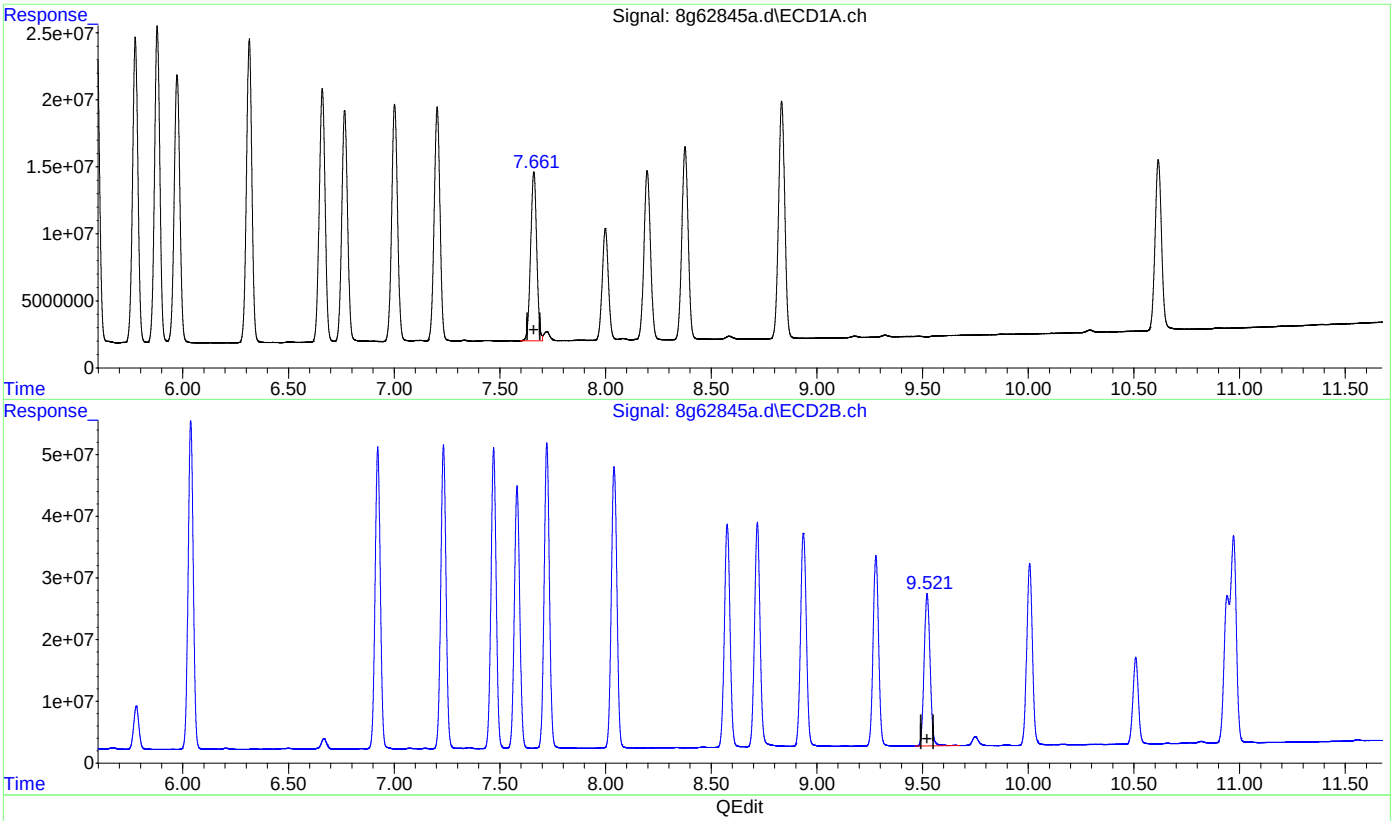
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62845a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 3:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:15 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



QEdit

(21) Endrin Aldehyde (B)

7.661min 4.848 PPB m

response 252305799

(21) Endrin Aldehyde #2 (B)

9.522min 4.090 PPB

response 482260007

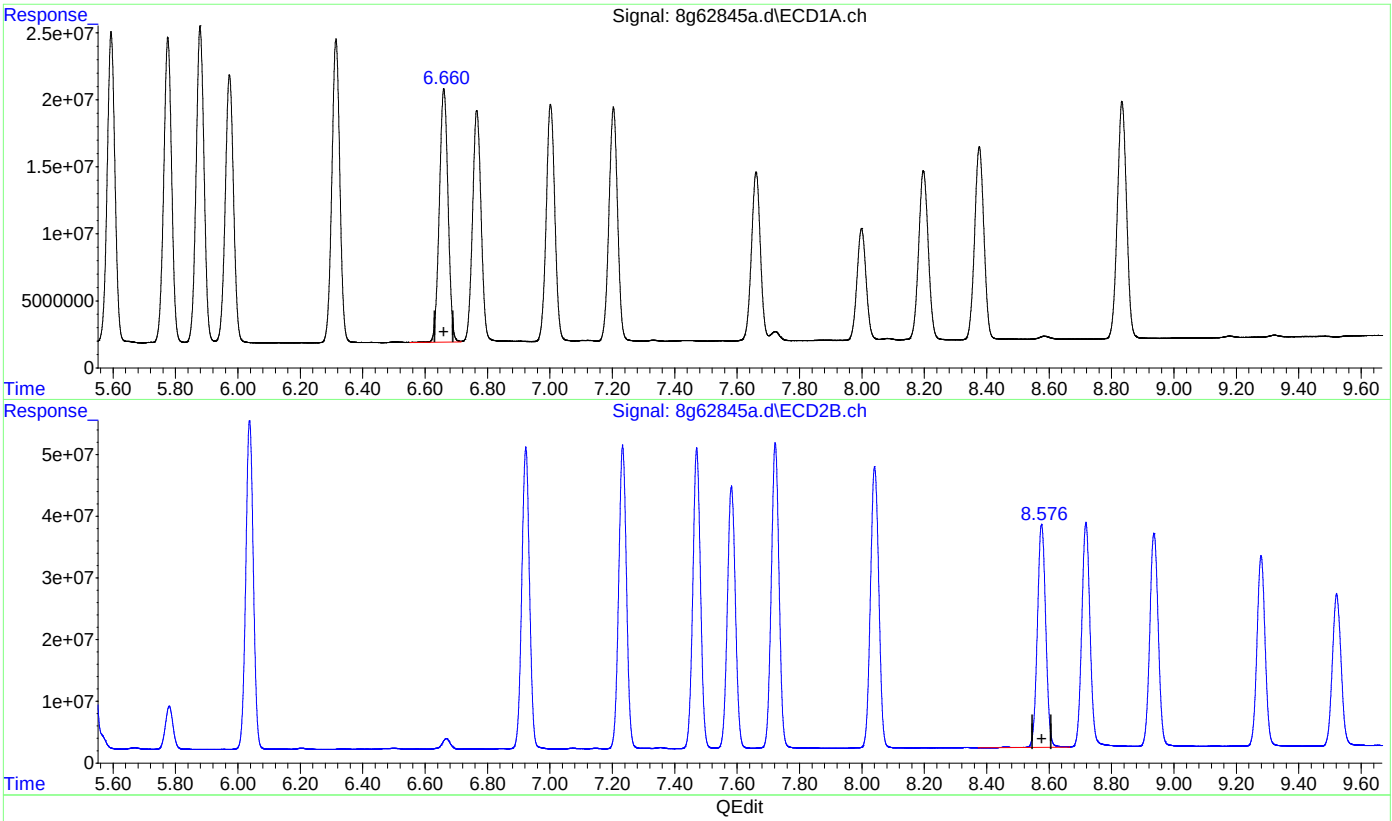
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:27:03 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62845a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 3:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:15 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(17) Endrin (MA)

6.660min 6.441 PPB

response 365495494

(17) Endrin #2 (MA)

8.576min 5.231 PPB

response 676870597

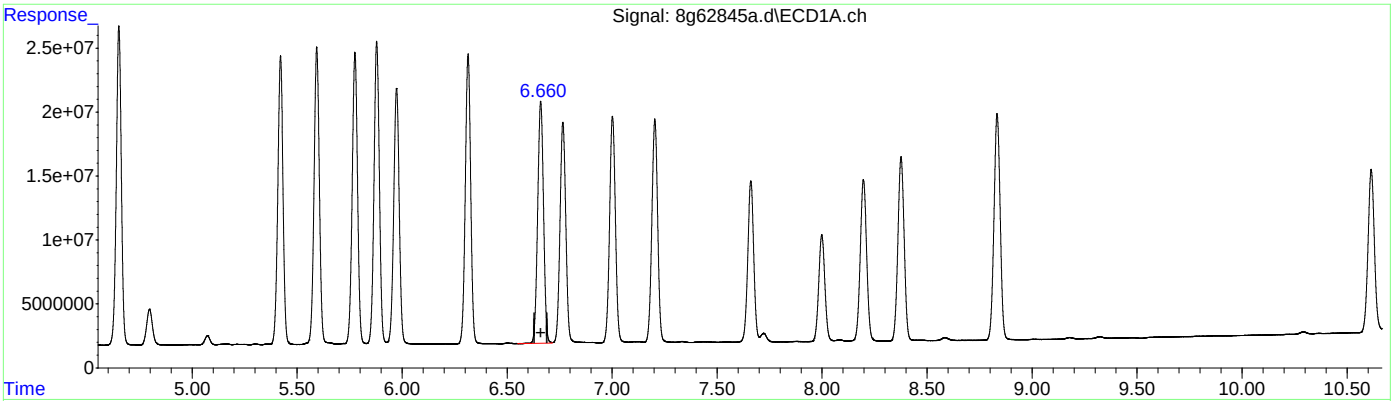
(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:27:14 2024

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\
Data File : 8g62845a.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Dec 2024 3:22 pm
Operator : kyrac
Sample : cc2596-5
Misc : op59827,g8g2704,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 05 02:19:15 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2704\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Dec 05 02:18:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(17) Endrin (MA)

6.660min 6.441 PPB

response 365495494

(17) Endrin #2 (MA)

8.576min 5.211 PPB m

response 674275925

(+) = Expected Retention Time
8PSTLVI2596a.M Thu Dec 05 02:27:20 2024

SGS

SEMIVOLATILE by GC ANALYSIS LOG

Date: 09/18/24

Standard data

Lot#	Description	Concentration
sv24-2979-85e	Pest Mix	2.5ppb
sv24-2979-85f	Pest Mix	5ppb
sv23-2979-38b	ISTD	500ppb
sv22-2951-128	IB	20ppb (10x)
sv22-2951-127	PEM	50-250ppb (10x)

Standard data

Lot#	Description	Concentration
sv24-2979-29	tba solution	n/a
24040064	Hexane (Tedia)	n/a

Batch ID:G8G2596

Print Analyst Name: Rebecca Krug

Columns:CLP1/CLP2

Method: 8081, 608

Initial Cal. Method: 8PSTLVI2596

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data file	OP Batch, Run ID, Vi,,,Vf, Dil.	SU	Status(data)	Comments
1	ddt	8g60340	op57529,g8g2596,5.0,,,10,1		ok	12:21
3	ib	8g60341	op57529,g8g2596,5.0,,,10,1		ok	
11	ic2596-0.1 (pest mix)	8g60342	op57529,g8g2596,5.0,,,10,1		ok	sv24-2979-85a
12	ic2596-0.2 (pest mix)	8g60343	op57529,g8g2596,5.0,,,10,1		ok	sv24-2979-85b
13	ic2596-0.5 (pest mix)	8g60344	op57529,g8g2596,5.0,,,10,1		ok	sv24-2979-85c
14	ic2596-1 (pest mix)	8g60345	op57529,g8g2596,5.0,,,10,1		ok	sv24-2979-85d
15	icc2596-2.5 (pest mix)	8g60346	op57529,g8g2596,5.0,,,10,1		ok	sv24-2979-85e
16	ic2596-5 (pest mix)	8g60347	op57529,g8g2596,5.0,,,10,1		ok	sv24-2979-85f
17	ic2596-7.5 (pest mix)	8g60348	op57529,g8g2596,5.0,,,10,1		ok	sv24-2979-85g
18	ic2596-10 (pest mix)	8g60349	op57529,g8g2596,5.0,,,10,1		ok	sv24-2979-85h
19	icv2596-2.5 (pest mix)	8g60350	op57529,g8g2596,5.0,,,10,1		ok	sv23-2951-137b
20	ic2596-50 (chlordane)	8g60351	op57529,g8g2596,5.0,,,10,1		ok	sv23-2951-130b
21	icv2596-50 (chlordane)	8g60352	op57529,g8g2596,5.0,,,10,1		ok	sv24-2979-49b
22	ic2596-50 (toxaphene)	8g60353	op57529,g8g2596,5.0,,,10,1		ok	sv24-2979-47b
23	icv2596-50 (toxaphene)	8g60354	op57529,g8g2596,5.0,,,10,1		ok	sv24-2979-48b/16:08

SGS

SEMIVOLATILE by GC ANALYSIS LOG

Date: 12/02/24

Standard data

Lot#	Description	Concentration
sv24-2979-70a	Pest Mix	2.5ppb
sv24-2979-70b	Pest Mix	5ppb
sv23-2979-38b	ISTD	500ppb
sv25- 2979-74	IB	20ppb (10x)
sv24-2979-72	PEM	50-250ppb (10x)

Standard data

Lot#	Description	Concentration
sv24-2979-95	tba solution	n/a
24060260	Hexane (Tedia)	n/a

Batch ID:G8G2700

Print Analyst Name: Christine Phillips

Columns:CLP1/CLP2

Method: 8081, 608

Initial Cal. Method: 8PSTLVI2596

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data file	OP Batch, Run ID, Vi,,,Vf, Dil.	SU	Status(data)	Comments
100	rinse	tlg62759	op59749,g8g2700.5.0,,,10.1			
100	rinse	tlg62760	op59749,g8g2700.5.0,,,10.1			
100	rinse	tlg62761	op59749,g8g2700.5.0,,,10.1			
1	dclt	tlg62762	op59749,g8g2700.5.0,,,10.1			
2	cc2596-2.5	tlg62763	op59749,g8g2700.5.0,,,10.1		not using	
4	cc2596-5	tlg62764	op59749,g8g2700.5.0,,,10.1		__	
3	ib	tlg62765	op59749,g8g2700.5.0,,,10.1		__	
23	op59820-mb1 m	tlg62766	op59820,g8g2700.54.3,,,2.1		__	
24	op59820-bs1 m	tlg62767	op59820,g8g2700.54.3,,,2.1		__	
25	op59820-bsd m	tlg62768	op59820,g8g2700.54.3,,,2.1		__	
26	op59833-mb1 m	tlg62769	op59833,g8g2700.5.0,,,10.1		__	
27	op59833-bs1 m	tlg62770	op59833,g8g2700.5.0,,,10.1		__	
28	je1534-8 m	tlg62771	op59820,g8g2700,54.2,,,2.1		__	
29	je1573-1 m	tlg62772	op59820,g8g2700,55.0,,,2.1		__	
30	je1573-2 m	tlg62773	op59820,g8g2700,54.5,,,2.1		__	
31	op59833-ms m	tlg62774	op59833,g8g2700.5.3,,,10.1		__	
32	op59833-msd m	tlg62775	op59833,g8g2700.5.2,,,10.1		__	
33	je1300-9 m	tlg62776	op59833,g8g2700.5.3,,,10.1		XH OK	
34	je1300-10r m	tlg62777	op59833,g8g2700.5.1,,,10.1		OK	
35	je1300-21rr m	tlg62778	op59833,g8g2700.5.1,,,10.1		OK	
36	je1300-32rr m	tlg62779	op59833,g8g2700.5.1,,,10.1		OK	
37	je1300-44rr m	tlg62780	op59833,g8g2700.5.1,,,10.1		OK	
38	je1098-10 m	tlg62781	op59742,g8g2700.5.1,,,10.1		OK	
39	je1246-4 m	tlg62782	op59740,g8g2700.5.4,,,10.2		OK	

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SGS

SEMIVOLATILE by GC ANALYSIS LOG

Date: 12/02/24

Standard data

Lot#	Description	Concentration
sv24-2979-70a	Pest Mix	2.5ppb
sv24-2979-70b	Pest Mix	5ppb
sv23-2979-38b	ISTD	500ppb
sv25-2979-74	IB	20ppb (10x)
sv24-2979-72	PEM	50-250ppb (10x)

Standard data

Lot#	Description	Concentration
sv24-2979-95	tba solution	n/a
24060260	Hexane (Tedia)	n/a

Batch ID:G8G2700

Print Analyst Name: Christine Phillips

Columns:CLP1/CLP2

Method: 8081, 608

Initial Cal. Method: 8PSTLVI2596

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data file	OP Batch, Run ID, Vi,,,Vf, Dil.	SU	Status(data)	Comments

SGS

SEMIVOLATILE by GC ANALYSIS LOG

Date: 12/02/24

Standard data

Lot#	Description	Concentration
sv24-2979-70a	Pest Mix	2.5ppb
sv24-2979-70b	Pest Mix	5ppb
sv23-2979-38b	ISTD	500ppb
sv25- 2979-74	IB	20ppb (10x)
sv24-2979-72	PEM	50-250ppb (10x)

Standard data

Lot#	Description	Concentration
sv24-2979-95	tba solution	n/a
24060260	Hexane (Tedia)	n/a

Batch ID:G8G2700

Print Analyst Name: Christine Phillips

Columns:CLP1/CLP2

Method: 8081, 608

Initial Cal. Method: 8PSTLVI2596

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data file	OP Batch, Run ID, Vi,,,Vf, Dil.	SU	Status(data)	Comments

SGS

SEMIVOLATILE by GC ANALYSIS LOG

Date: 12/03/24

Standard data

Lot#	Description	Concentration
sv24-2979-70a	Pest Mix	2.5ppb
sv24-2979-70b	Pest Mix	5ppb
sv23-2979-38b	ISTD	500ppb
sv25- 2979-74	IB	20ppb (10x)
sv24-2979-72	PEM	50-250ppb (10x)

Standard data

Lot#	Description	Concentration
sv24-2979-95	tba solution	n/a
24060260	Hexane (Tedia)	n/a

Batch ID:G8G2702

Print Analyst Name: Kyra Conover

Columns:CLP1/CLP2

Method: 8081, 608

Initial Cal. Method: 8PSTLVI2596

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data file	OP Batch, Run ID, Vi,,,Vf, Dil.	SU	Status(data)	Comments
100	rinse	8g62790	op59740,g8g2702.5.0,,,10,1			
100	rinse	8g62791	op59740,g8g2702.5.0,,,10,1			
100	rinse	8g62792	op59740,g8g2702.5.0,,,10,1			
1	dstt	8g62793	op59740,g8g2702.5.0,,,10,1		ok	1:36pm
2	cc2596-2.5	8g62794	op59740,g8g2702.5.0,,,10,1			not using
3	ib	8g62795	op59740,g8g2702.5.0,,,10,1			not using
4	cc2596-5	8g62795a	op59740,g8g2702.5.0,,,10,1		ok	
3	ib	8g62796	op59740,g8g2702.5.0,,,10,1		ok	
40	op59826-mb1 m	8g62797	op59826,g8g2702.5.0,,,10,1		ok	
41	op59826-bs1 m	8g62798	op59826,g8g2702.5.0,,,10,1		ok	
42	op59826-ms m	8g62799	op59826,g8g2702.5.1,,,10,1		ok	
43	op59826-msd m	8g62800	op59826,g8g2702.5.1,,,10,1		ok	
44	je1369-4 m	8g62801	op59826,g8g2702.5.0,,,10,1		ok	
45	je1369-10 m	8g62802	op59826,g8g2702.5.4,,,10,1		ok	
46	je1369-11 m	8g62803	op59826,g8g2702.5.4,,,10,1		ok	
47	je1369-12 m	8g62804	op59826,g8g2702.5.4,,,10,1		ok	
48	je1369-13 m	8g62805	op59826,g8g2702.5.2,,,10,1		ok	
49	je1359-11 m	8g62806	op59826,g8g2702.5.2,,,10,1		ok	
50	je1402-1 m	8g62807	op59827,g8g2702.5.0,,,10,1		ok	
51	je1402-3 m	8g62808	op59827,g8g2702.5.0,,,10,1		ok	
52	je1402-5 m	8g62809	op59827,g8g2702.5.2,,,10,1		ok	
53	je1455-1 m	8g62810	op59827,g8g2702.5.02,,,10,1		ok	missing % solids
54	je1455-2 m	8g62811	op59827,g8g2702.5.05,,,10,1		ok	missing % solids
55	je1455-3 m	8g62812	op59827,g8g2702.5.04,,,10,1		ok	missing % solids
56	je1455-4 m	8g62813	op59827,g8g2702.5.00,,,10,1		ok	missing % solids

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SGS

SEMIVOLATILE by GC ANALYSIS LOG

Date: 12/03/24

Batch ID:G8G2702

Print Analyst Name: Kyra Conover

Columns:CLP1/CLP2

Method: 8081, 608

Initial Cal. Method: 8PSTLVI2596

Standard data

Lot#	Description	Concentration
sv24-2979-70a	Pest Mix	2.5ppb
sv24-2979-70b	Pest Mix	5ppb
sv23-2979-38b	ISTD	500ppb
sv25-2979-74	IB	20ppb (10x)
sv24-2979-72	PEM	50-250ppb (10x)

Standard data

Lot#	Description	Concentration
sv24-2979-95	tba solution	n/a
24060260	Hexane (Tedia)	n/a

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data file	OP Batch, Run ID, Vi,,,Vf, Dil.	SU	Status(data)	Comments

SGS

SEMIVOLATILE by GC ANALYSIS LOG

Date: 12/03/24

Standard data

Lot#	Description	Concentration
sv24-2979-70a	Pest Mix	2.5ppb
sv24-2979-70b	Pest Mix	5ppb
sv23-2979-38b	ISTD	500ppb
sv25- 2979-74	IB	20ppb (10x)
sv24-2979-72	PEM	50-250ppb (10x)

Standard data

Lot#	Description	Concentration
sv24-2979-95	tba solution	n/a
24060260	Hexane (Tedia)	n/a

Batch ID:G8G2702

Print Analyst Name: Kyra Conover

Columns:CLP1/CLP2

Method: 8081, 608

Initial Cal. Method: 8PSTLVI2596

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data file	OP Batch, Run ID, Vi,,,Vf, Dil.	SU	Status(data)	Comments

SGS

SEMIVOLATILE by GC ANALYSIS LOG

Date: 12/04/24

Standard data

Lot#	Description	Concentration
sv24-2979-70a	Pest Mix	2.5ppb
sv24-2979-70b	Pest Mix	5ppb
sv23-2979-38b	ISTD	500ppb
sv25-2979-74	IB	20ppb (10x)
sv24-2979-72	PEM	50-250ppb (10x)

Standard data

Lot#	Description	Concentration
sv24-2979-95	tba solution	n/a
24060260	Hexane (Tedia)	n/a

Batch ID:G8G2704

Print Analyst Name: Kyra Conover

Columns:CLP1/CLP2

Method: 8081, 608

Initial Cal. Method: 8PSTLVI2596

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data file	OP Batch, Run ID, Vi,,,Vf, Dil.	SU	Status(data)	Comments
100	rinse	8g62840	op59827,g8g2704,5.0,,,10,1			
100	rinse	8g62841	op59827,g8g2704,5.0,,,10,1			
100	rinse	8g62842	op59827,g8g2704,5.0,,,10,1			
1	ddt	8g62843	op59827,g8g2704,5.0,,,10,1		ok	
2	cc2596-2.5	8g62844	op59827,g8g2704,5.0,,,10,1			not using
3	ib	8g62845	op59827,g8g2704,5.0,,,10,1			not using
4	cc2596-5	8g62845a	op59827,g8g2704,5.0,,,10,1		ok	
3	ib	8g62846	op59827,g8g2704,5.0,,,10,1			
80	op59852-mb1 m	8g62847	op59852,g8g2704,5.0,,,10,1		ok	
81	op59852-bs1 m	8g62848	op59852,g8g2704,5.0,,,10,1		ok	
82	op59852-ms m	8g62849	op59852,g8g2704,5.2,,,10,1		ok	
83	op59852-msd m	8g62850	op59852,g8g2704,5.3,,,10,1		ok	
84	je1037-1 m	8g62851	op59852,g8g2704,5.0,,,10,1		ok	
85	je1037-3 m	8g62852	op59852,g8g2704,5.1,,,10,1		ok	
86	je1037-5 m	8g62853	op59852,g8g2704,5.1,,,10,1		ok	
87	je536-1 m	8g62854	op59852,g8g2704,5.1,,,10,1		ok	
88	je1296-13r m	8g62855	op59852,g8g2704,5.2,,,10,1		ok	
89	je1296-25r m	8g62856	op59852,g8g2704,5.2,,,10,1		ok	
90	je1296-37r m	8g62857	op59852,g8g2704,5.3,,,10,1		ok	
91	je1503-1 m	8g62858	op59852,g8g2704,5.4,,,10,1		ok	
92	je1503-5 m	8g62859	op59852,g8g2704,5.0,,,10,1		ok	
93	je1503-9 m	8g62860	op59852,g8g2704,5.0,,,10,1		ok	
94	je1369-13 m	8g62861	op59826,g8g2704,5.2,,,10,5		ok	
95	je1300-32r m	8g62862	op59833,g8g2704,5.1,,,10,5		ok	
96	je1359-11 m	8g62863	op59826,g8g2704,5.2,,,10,5		ok	
97	je1402-1 m	8g62864	op59827,g8g2704,5.0,,,10,5		ok	
98	je1402-3 m	8g62865	op59827,g8g2704,5.0,,,10,5		ok	
99	je1402-5 m	8g62866	op59827,g8g2704,5.2,,,10,5		ok	
101	je1455-1 m	8g62867	op59827,g8g2704,5.02,,,10,5		ok	
102	je1455-2 m	8g62868	op59827,g8g2704,5.05,,,10,5		ok	
103	je1455-3 m	8g62869	op59827,g8g2704,5.04,,,10,5		ok	
104	je1455-4 m	8g62870	op59827,g8g2704,5.00,,,10,5		ok	

Pest OP59833 5L

Pest / PCB Extraction Log - Soils

LOGBOOK ID:

Date Started: 12/02/24 Time Started: 14:40
Date Finished: 12/02/24 Time Finished: 21:30

Extract Method (CHECK OFF "√" /DO NOT CIRCLE):
Microwave SW3546_____ Sonication SW3550C _____
Waste Dilution SW3580A_____ Soxhlet SW3540 _____

BATCH # GC OP59823	RACK# 3E
Weighed by:	MH
Extracted by:	EB
Concentrated by:	
Final Vol. Top-up:	
Vialed by:	DF
Supervisor Review:	AC 12/2/24

Special Client Spike Instructions					
QC ID# for Special Spike	Amt to Spike	Spike ID	Lot #	Conc.	Amt Spiked

WITNESS SIGN: SPIKE SIGN:

Manager/Supervisor/Team Lead Approval:

SPECIAL PROCESSING INSTRUCTIONS

Rx Reason:

Spiking:

Weights/Volumes:

Required MS/MSD:

Final Volume:

Other: HT: R105 Due: 11/27

	Sample #	3570 Analysis Type	Sample Description	Sample Wet Wt (g) Oil (g) Liq (mL)	Decant Y	Decant N	Sonicator ID	Microwave ID	Final Extract Color	Final Extract Vol (mL)	Extract Cleanup H2SO4	Florisil	Cu	KMnO4	Comment
	MB1	PCB	Na2SO4	5.0					clear	10	/		/		
	BS1		Na2SO4	5.0					clear	10	/		/		
	JE1296-1 MS		mud/rock	5.00					clear	10	/		/		
	1 MSD		mud/rock	5.03					clear	10	/		/		
	BS	Pest	Na2SO4	5.0					clear	10			/		
A	JE1300-9-2 MS		Soil	5.3					clear	10			/		
	1 MSD		Soil	5.2					clear	10			/		
1	JE1296-1	PCB	mud/rock	5.00					clear	10	/		/		
2	JE1244-1														A
3	JE896-1R		mud/rock	5.04					yellow	10	/		/		
4	-2R		mud/rock	5.01					clear	10	/		/		
5	-3R		mud/rock	5.04					yellow	10	/		/		
6	JE1394-21		mud/rock	5.04					yellow	10	/		/		
7	-22		mud/rock	5.04					clear	10	/		/		
8	-23		mud/rock	5.00					clear	10	/		/		
9	JE1300-9	Pest/PCB	Soil	5.3					clear	10	/		/		
10	-21		Soil	5.1					yellow	10	/		/		
11	-32		Soil	5.1					clear	10	/		/		
12	-44		Soil	5.1					yellow	10	/		/		
13	JE1334-1	PCB	rubber/rock	5.02					clear	10	/		/		
14	-2		rubber/rock	5.03					clear	10	/		/		
15	-3		rubber/rock	5.03					clear	10	/		/		
16	-4		rubber/rock	5.03					clear	10	/		/		
17	-5		rubber/rock	5.04					clear	10	/		/		
18	-6		rubber/rock	5.01					clear	10	/		/		
19	-7		rubber/rock	5.02					clear	10	/		/		
20	JE1300-10R	Pest	Soil	5.1					clear	10			/		

missing

Comments: QC Samples (MS, MSD, LINK and/or DUP, Link) Confirmed by:

Δ Sample put back to need, missing

Equipment/ Range	ID	Observed Temp (°C)	Correction Factor (°C)	Corrected Temp (°C)	Pressure/ Flowrate
Buchi (65-71°C)					
Buchi Chiller					
Waterbath (70-80°C)					
Waterbath Chiller (GPM)					
NEVAP (32-38°C, LPM)					
Balance	B104	N/A	N/A	N/A	N/A

SURROGATE	LOT #	CONC (ppb)	AMT (mL)
PPCB	SW24-279-82A	400	0.1
PPCB LL			
WITNESS SIGN: RG		SPIKE SIGN	EB

MATRIX SPIKE	LOT #	CONC	AMT (mL)
PEST	SW24-279-10A	350	0.1
PEST LL			
PCB	SW24-279-74A	2	0.1
PCB LL			
WITNESS SIGN: RG		SPIKE SIGN	EB

SOLVENT	LOT #	BRAND	AMT (mL)
2:1 HEXANE/ ACETONE			
1:1 METH CHLOR/ ACETONE			
HEXANE	24090341	Tedia	10.0

REAGENT	LOT #	BAKE BATCH #	BRAND
HYDROMATRIX			
SODIUM SULFATE	467203	11-17-24	LSS
FILTER PAPER			
FLORISIL			
1:1 SULFURIC ACID	241142		FSSK
COPPER	240418S9	11-16-24	LSS
PERMANG(KMnO4)			
HYDROXYLAMINE			

MATRIX	LOT #	BAKE BATCH #	BRAND
SAND			
VIALS	23052080		Thermo

SGS
Form: OP018-11
Rev Date: 5/13/22

1

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Percent Solids Raw Data Summary

Percent Solids Raw Data Summary

Job Number: JE1300R
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: JE1300-10 **Analyzed:** 01-DEC-24 by MS **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-4(2.0-2.5)

Wet Weight (Total)	28.28	g
Tare Weight	21.21	g
Dry Weight (Total)	28.05	g
Solids, Percent	96.7	%

Sample: JE1300-21 **Analyzed:** 01-DEC-24 by MS **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-11R

Wet Weight (Total)	26.46	g
Tare Weight	21.41	g
Dry Weight (Total)	26.21	g
Solids, Percent	95	%

Sample: JE1300-32 **Analyzed:** 01-DEC-24 by MS **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-10R

Wet Weight (Total)	32.68	g
Tare Weight	26.22	g
Dry Weight (Total)	32.13	g
Solids, Percent	91.5	%

Sample: JE1300-44 **Analyzed:** 01-DEC-24 by MS **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-21R

Wet Weight (Total)	30.95	g
Tare Weight	25.56	g
Dry Weight (Total)	30.44	g
Solids, Percent	90.5	%

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Matrix New World Engineering, Inc.

Ridgewood Berm Sampling, Ridgewood, NJ

23-1429; PO#20243716

SGS Job Number: JE1534

Sampling Date: 11/26/24

Report to:

Matrix New World Engineering, Inc.
26 Columbia Turnpike
Florham Park, NJ 07932
mfeury@mnwe.com

ATTN: Melissa Feury

Total number of pages in report: **658**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

Olga Azarian
Technical Director

Client Service contact: Tammy McCloskey 732-329-0200
Certifications: NJ(12129), NY(10983), CA, CO, CT, FL, HI, IL, IN, KY, LA (120428), MA, MD, ME, MN, NC, NH, NV, AK (UST-103), AZ (AZ0786), PA(68-00408), RI, SC, TX (T104704234), UT, VA, WA, WV

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SGS North America Inc.

Sample Summary

Matrix New World Engineering, Inc.

Job No: JE1534

Ridgewood Berm Sampling, Ridgewood, NJ
Project No: 23-1429; PO#20243716

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
This report contains results reported as ND = Not detected. The following applies:							
Organics ND = Not detected above the MDL							
JE1534-1	11/26/24	11:55	DC	11/26/24	SO	Soil	GRID-1
JE1534-1A	11/26/24	11:55	DC	11/26/24	SO	Soil	GRID-1
JE1534-2	11/26/24	11:45	DC	11/26/24	SO	Soil	GRID-2
JE1534-2A	11/26/24	11:45	DC	11/26/24	SO	Soil	GRID-2
JE1534-3	11/26/24	09:00	DC	11/26/24	SO	Soil	GRID-5
JE1534-3A	11/26/24	09:00	DC	11/26/24	SO	Soil	GRID-5
JE1534-4	11/26/24	09:30	DC	11/26/24	SO	Soil	GRID-6
JE1534-4A	11/26/24	09:30	DC	11/26/24	SO	Soil	GRID-6
JE1534-5	11/26/24	13:20	DC	11/26/24	SO	Soil	GRID-17
JE1534-5A	11/26/24	13:20	DC	11/26/24	SO	Soil	GRID-17
JE1534-6	11/26/24	12:25	DC	11/26/24	SO	Soil	GRID-19
JE1534-6A	11/26/24	12:25	DC	11/26/24	SO	Soil	GRID-19

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

Matrix New World Engineering, Inc.

Job No: JE1534

Ridgewood Berm Sampling, Ridgewood, NJ
Project No: 23-1429; PO#20243716

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JE1534-7	11/26/24	13:05	DC	11/26/24	SO	Soil	GRID-25
JE1534-7A	11/26/24	13:05	DC	11/26/24	SO	Soil	GRID-25
JE1534-8	11/26/24	15:50	DC	11/26/24	AQ	Field Blank Soil	FB-3

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: Matrix New World Engineering, Inc. **Job No:** JE1534

Site: Ridgewood Berm Sampling, Ridgewood, NJ **Report Date** 12/19/2024 3:39:33 P

On 11/26/2024, 7 sample(s), 0 Trip Blank(s), 0 Equip. Blank(s) and 1 Field Blank(s) were received at SGS North America Inc. (SGS) at a temperature of 2.9 °C. The samples were intact and properly preserved, unless noted below. An SGS Job Number of JE1534 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method SW846 8260D

Matrix: AQ **Batch ID:** V2S292

- All samples were analyzed within the recommended method holding time.
- Sample(s) JE1347-15DUP, JE1347-17MS were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- JE1534-8 for Vinyl chloride: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JE1534-8 for Methylene chloride: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JE1534-8 for Cyclohexane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JE1534-8 for Chloroethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JE1534-8 for Carbon disulfide: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JE1534-8 for Bromomethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JE1534-8 for 1,1-Dichloroethene: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

Matrix: SO **Batch ID:** V3C8319

- All samples were analyzed within the recommended method holding time.
- Sample(s) JE1537-1MS, JE1537-8DUP, JE1537-1MS were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- The matrix spike (MS) recovery(s) of 1,1,2,2-Tetrachloroethane, cis-1,3-Dichloropropene, trans-1,3-Dichloropropene are outside control limits. Outside control limits due to matrix interference.
- The duplicate RPD(s) for 2-Butanone (MEK) are outside control limits for sample JE1537-8DUP. RPD acceptable due to low DUP and sample concentrations.
- JE1534-2 for Dichlorodifluoromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JE1534-1 for Dichlorodifluoromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

Matrix: SO **Batch ID:** VY9149

- All samples were analyzed within the recommended method holding time.
- Sample(s) JE1503-2MS, JE1503-4DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- JE1534-6 for Acetone: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

MS Volatiles By Method SW846 8260D

Matrix: SO **Batch ID:** VY9149

- JE1534-7 for Acetone: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JE1534-4 for Acetone: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JE1534-3 for Acetone: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JE1534-5 for Acetone: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

MS Semi-volatiles By Method SW846 8270E

Matrix: AQ **Batch ID:** OP59809

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- JE1534-8 for 4,6-Dinitro-o-cresol: Associated CCV outside of control limits high, sample was ND.
- JE1534-8 for Hexachlorocyclopentadiene: Associated CCV outside of control limits high, sample was ND.
- JE1534-8 for 2,4-Dinitrophenol: Associated CCV outside of control limits high, sample was ND.
- JE1534-8 for 2-Nitrophenol: Associated CCV outside of control limits high, sample was ND.

GC/LC Semi-volatiles By Method SW846 8081B

Matrix: AQ **Batch ID:** OP59820

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- The blank spike (BS) recovery(s) of Aldrin, Heptachlor are outside control limits.
- JE1534-8: Associated blank spike outside control limits biased low. Unable to re-extract sample due to expired hold time.
- OP59820-BS1 for Heptachlor: Outside of in house control limits.
- OP59820-BS1 for Aldrin: Outside of in house control limits.

GC/LC Semi-volatiles By Method SW846 8082A

Matrix: AQ **Batch ID:** OP59821

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.

Metals Analysis By Method SW846 6010D

Matrix: AQ **Batch ID:** MP51263

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE1559-1MS, JE1559-1MSD, JE1559-1SDL were used as the QC samples for the metals analysis.
- The serial dilution RPD(s) for Chromium, Cobalt, Iron, Nickel, Selenium, Vanadium, Zinc are outside control limits for sample MP51263-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- MP51263-SD1 for Sodium: Serial dilution indicates possible matrix interference.

Metals Analysis By Method SW846 7470A

Matrix: AQ **Batch ID:** MP51277

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE1580-1MS, JE1580-1MSD were used as the QC samples for the metals analysis.

General Chemistry By Method EPA 335.4/LACHAT

Matrix: AQ **Batch ID:** GP58071

- All samples were prepared within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) LB8853-1MS, LB8853-1DUP were used as the QC samples for the Cyanide analysis.
- The matrix spike (MS) recovery(s) of Cyanide are outside control limits. Probable cause due to matrix interference.
- The duplicate RPD(s) for Cyanide are outside control limits for sample GP58071-D1. RPD acceptable due to low duplicate and sample concentrations.

General Chemistry By Method SM2540 G 18TH ED MOD

Matrix: SO **Batch ID:** GN62768

- Sample(s) JE1512-1DUP were used as the QC samples for the Solids, Percent analysis.

SGS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting SGS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by SGS indicated via signature on the report cover.

Summary of Hits

Job Number: JE1534
Account: Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Collected: 11/26/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JE1534-1	**GRID-1**					
No hits reported in this sample.						
JE1534-2	**GRID-2**					
No hits reported in this sample.						
JE1534-3	**GRID-5**					
No hits reported in this sample.						
JE1534-4	**GRID-6**					
No hits reported in this sample.						
JE1534-5	**GRID-17**					
No hits reported in this sample.						
JE1534-6	**GRID-19**					
No hits reported in this sample.						
JE1534-7	**GRID-25**					
No hits reported in this sample.						
JE1534-8	**FB-3**					
No hits reported in this sample.						

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Client Sample ID: GRID-1
Lab Sample ID: JE1534-1
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/26/24
Date Received: 11/26/24
Percent Solids: 89.2

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C191316.D	1	12/02/24 23:01	PS	11/27/24 16:00	n/a	V3C8319
Run #2							

	Initial Weight
Run #1	4.9 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	0.011	0.0047	mg/kg	
71-43-2	Benzene	ND	0.00057	0.00052	mg/kg	
74-97-5	Bromochloromethane	ND	0.0057	0.00064	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0023	0.00049	mg/kg	
75-25-2	Bromoform	ND	0.0057	0.0016	mg/kg	
74-83-9	Bromomethane	ND	0.0057	0.00087	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.011	0.0028	mg/kg	
75-15-0	Carbon disulfide	ND	0.0023	0.00061	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0023	0.00071	mg/kg	
108-90-7	Chlorobenzene	ND	0.0023	0.00053	mg/kg	
75-00-3	Chloroethane	ND	0.0057	0.00068	mg/kg	
67-66-3	Chloroform	ND	0.0023	0.0011	mg/kg	
74-87-3	Chloromethane	ND	0.0057	0.0022	mg/kg	
110-82-7	Cyclohexane	ND	0.0023	0.00075	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0023	0.00079	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0023	0.00064	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0011	0.00048	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0011	0.00062	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0011	0.00057	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0011	0.00057	mg/kg	
75-71-8	Dichlorodifluoromethane [a]	ND	0.0057	0.00083	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0011	0.00057	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0011	0.00054	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0011	0.00075	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0011	0.00096	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0011	0.00070	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0023	0.00054	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0023	0.00054	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0023	0.00052	mg/kg	
100-41-4	Ethylbenzene	ND	0.0011	0.00052	mg/kg	
76-13-1	Freon 113	ND	0.0057	0.0031	mg/kg	
591-78-6	2-Hexanone	ND	0.0057	0.0024	mg/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GRID-1		
Lab Sample ID:	JE1534-1	**Date Sampled:**	11/26/24
Matrix:	SO - Soil	**Date Received:**	11/26/24
Method:	SW846 8260D SW846 5035	**Percent Solids:**	89.2
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0023	0.0016	mg/kg	
79-20-9	Methyl Acetate	ND	0.0057	0.0016	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0023	0.0010	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0011	0.00054	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0057	0.0026	mg/kg	
75-09-2	Methylene chloride	ND	0.0057	0.0030	mg/kg	
100-42-5	Styrene	ND	0.0023	0.00046	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0023	0.00069	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0023	0.00066	mg/kg	
108-88-3	Toluene	ND	0.0011	0.00060	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0057	0.0029	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0057	0.0029	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0023	0.00055	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0023	0.00063	mg/kg	
79-01-6	Trichloroethene	ND	0.0011	0.00087	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0057	0.00078	mg/kg	
75-01-4	Vinyl chloride	ND	0.0023	0.00055	mg/kg	
	m,p-Xylene	ND	0.0011	0.0010	mg/kg	
95-47-6	o-Xylene	ND	0.0011	0.00052	mg/kg	
1330-20-7	Xylene (total)	ND	0.0011	0.00052	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		80-124%
17060-07-0	1,2-Dichloroethane-D4	104%		75-133%
2037-26-5	Toluene-D8	89%		79-125%
460-00-4	4-Bromofluorobenzene	89%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	.83	.023	mg/kg	J
	Total TIC, Volatile		0	mg/kg	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: GRID-2
Lab Sample ID: JE1534-2
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/26/24
Date Received: 11/26/24
Percent Solids: 94.0

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C191317.D	1	12/02/24 23:27	PS	11/27/24 16:00	n/a	V3C8319
Run #2							

	Initial Weight
Run #1	4.7 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	0.011	0.0047	mg/kg	
71-43-2	Benzene	ND	0.00057	0.00051	mg/kg	
74-97-5	Bromochloromethane	ND	0.0057	0.00063	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0023	0.00049	mg/kg	
75-25-2	Bromoform	ND	0.0057	0.0015	mg/kg	
74-83-9	Bromomethane	ND	0.0057	0.00086	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.011	0.0028	mg/kg	
75-15-0	Carbon disulfide	ND	0.0023	0.00061	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0023	0.00070	mg/kg	
108-90-7	Chlorobenzene	ND	0.0023	0.00052	mg/kg	
75-00-3	Chloroethane	ND	0.0057	0.00067	mg/kg	
67-66-3	Chloroform	ND	0.0023	0.0011	mg/kg	
74-87-3	Chloromethane	ND	0.0057	0.0022	mg/kg	
110-82-7	Cyclohexane	ND	0.0023	0.00074	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0023	0.00079	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0023	0.00063	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0011	0.00048	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0011	0.00062	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0011	0.00056	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0011	0.00056	mg/kg	
75-71-8	Dichlorodifluoromethane [a]	ND	0.0057	0.00082	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0011	0.00056	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0011	0.00053	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0011	0.00074	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0011	0.00095	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0011	0.00069	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0023	0.00054	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0023	0.00054	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0023	0.00052	mg/kg	
100-41-4	Ethylbenzene	ND	0.0011	0.00051	mg/kg	
76-13-1	Freon 113	ND	0.0057	0.0030	mg/kg	
591-78-6	2-Hexanone	ND	0.0057	0.0024	mg/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GRID-2		
Lab Sample ID:	JE1534-2	**Date Sampled:**	11/26/24
Matrix:	SO - Soil	**Date Received:**	11/26/24
Method:	SW846 8260D SW846 5035	**Percent Solids:**	94.0
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0023	0.0016	mg/kg	
79-20-9	Methyl Acetate	ND	0.0057	0.0016	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0023	0.00099	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0011	0.00053	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0057	0.0026	mg/kg	
75-09-2	Methylene chloride	ND	0.0057	0.0030	mg/kg	
100-42-5	Styrene	ND	0.0023	0.00045	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0023	0.00068	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0023	0.00066	mg/kg	
108-88-3	Toluene	ND	0.0011	0.00059	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0057	0.0028	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0057	0.0028	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0023	0.00055	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0023	0.00063	mg/kg	
79-01-6	Trichloroethene	ND	0.0011	0.00086	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0057	0.00077	mg/kg	
75-01-4	Vinyl chloride	ND	0.0023	0.00054	mg/kg	
	m,p-Xylene	ND	0.0011	0.0010	mg/kg	
95-47-6	o-Xylene	ND	0.0011	0.00052	mg/kg	
1330-20-7	Xylene (total)	ND	0.0011	0.00052	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		80-124%
17060-07-0	1,2-Dichloroethane-D4	103%		75-133%
2037-26-5	Toluene-D8	89%		79-125%
460-00-4	4-Bromofluorobenzene	88%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	.83	.023	mg/kg	J
	Total TIC, Volatile		0	mg/kg	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	GRID-5		
Lab Sample ID:	JE1534-3	**Date Sampled:**	11/26/24
Matrix:	SO - Soil	**Date Received:**	11/26/24
Method:	SW846 8260D SW846 5035	**Percent Solids:**	96.2
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y211533.D	1	12/02/24 23:17	PS	11/27/24 16:00	n/a	VY9149
Run #2							

	Initial Weight
Run #1	4.9 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	0.011	0.0044	mg/kg	
71-43-2	Benzene	ND	0.00053	0.00048	mg/kg	
74-97-5	Bromochloromethane	ND	0.0053	0.00059	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0021	0.00046	mg/kg	
75-25-2	Bromoform	ND	0.0053	0.0014	mg/kg	
74-83-9	Bromomethane	ND	0.0053	0.00081	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.011	0.0026	mg/kg	
75-15-0	Carbon disulfide	ND	0.0021	0.00057	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0021	0.00066	mg/kg	
108-90-7	Chlorobenzene	ND	0.0021	0.00049	mg/kg	
75-00-3	Chloroethane	ND	0.0053	0.00063	mg/kg	
67-66-3	Chloroform	ND	0.0021	0.0011	mg/kg	
74-87-3	Chloromethane	ND	0.0053	0.0021	mg/kg	
110-82-7	Cyclohexane	ND	0.0021	0.00070	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0021	0.00074	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0021	0.00059	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0011	0.00045	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0011	0.00058	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0011	0.00053	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0011	0.00052	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0053	0.00077	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0011	0.00053	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0011	0.00050	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0011	0.00069	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0011	0.00089	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0011	0.00065	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0021	0.00050	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0021	0.00050	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0021	0.00048	mg/kg	
100-41-4	Ethylbenzene	ND	0.0011	0.00048	mg/kg	
76-13-1	Freon 113	ND	0.0053	0.0028	mg/kg	
591-78-6	2-Hexanone	ND	0.0053	0.0022	mg/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GRID-5		
Lab Sample ID:	JE1534-3	**Date Sampled:**	11/26/24
Matrix:	SO - Soil	**Date Received:**	11/26/24
Method:	SW846 8260D SW846 5035	**Percent Solids:**	96.2
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0021	0.0015	mg/kg	
79-20-9	Methyl Acetate	ND	0.0053	0.0015	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0021	0.00093	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0011	0.00050	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0053	0.0024	mg/kg	
75-09-2	Methylene chloride	ND	0.0053	0.0028	mg/kg	
100-42-5	Styrene	ND	0.0021	0.00043	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0021	0.00064	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0021	0.00062	mg/kg	
108-88-3	Toluene	ND	0.0011	0.00056	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0053	0.0027	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0053	0.0027	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0021	0.00051	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0021	0.00059	mg/kg	
79-01-6	Trichloroethene	ND	0.0011	0.00081	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0053	0.00073	mg/kg	
75-01-4	Vinyl chloride	ND	0.0021	0.00051	mg/kg	
	m,p-Xylene	ND	0.0011	0.00095	mg/kg	
95-47-6	o-Xylene	ND	0.0011	0.00049	mg/kg	
1330-20-7	Xylene (total)	ND	0.0011	0.00049	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		80-124%
17060-07-0	1,2-Dichloroethane-D4	96%		75-133%
2037-26-5	Toluene-D8	92%		79-125%
460-00-4	4-Bromofluorobenzene	92%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	mg/kg	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: GRID-6
Lab Sample ID: JE1534-4
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/26/24
Date Received: 11/26/24
Percent Solids: 89.6

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y211534.D	1	12/02/24 23:38	PS	11/27/24 16:00	n/a	VY9149
Run #2							

	Initial Weight
Run #1	4.8 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	0.012	0.0048	mg/kg	
71-43-2	Benzene	ND	0.00058	0.00053	mg/kg	
74-97-5	Bromochloromethane	ND	0.0058	0.00065	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0023	0.00050	mg/kg	
75-25-2	Bromoform	ND	0.0058	0.0016	mg/kg	
74-83-9	Bromomethane	ND	0.0058	0.00089	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.012	0.0028	mg/kg	
75-15-0	Carbon disulfide	ND	0.0023	0.00062	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0023	0.00072	mg/kg	
108-90-7	Chlorobenzene	ND	0.0023	0.00053	mg/kg	
75-00-3	Chloroethane	ND	0.0058	0.00069	mg/kg	
67-66-3	Chloroform	ND	0.0023	0.0012	mg/kg	
74-87-3	Chloromethane	ND	0.0058	0.0023	mg/kg	
110-82-7	Cyclohexane	ND	0.0023	0.00076	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0023	0.00081	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0023	0.00065	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0012	0.00049	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0012	0.00063	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0012	0.00058	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0012	0.00057	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0058	0.00085	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0012	0.00058	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0012	0.00055	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0012	0.00076	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0012	0.00098	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0012	0.00071	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0023	0.00055	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0023	0.00055	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0023	0.00053	mg/kg	
100-41-4	Ethylbenzene	ND	0.0012	0.00053	mg/kg	
76-13-1	Freon 113	ND	0.0058	0.0031	mg/kg	
591-78-6	2-Hexanone	ND	0.0058	0.0025	mg/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: GRID-6
Lab Sample ID: JE1534-4
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/26/24
Date Received: 11/26/24
Percent Solids: 89.6

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0023	0.0017	mg/kg	
79-20-9	Methyl Acetate	ND	0.0058	0.0016	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0023	0.0010	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0012	0.00055	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0058	0.0026	mg/kg	
75-09-2	Methylene chloride	ND	0.0058	0.0030	mg/kg	
100-42-5	Styrene	ND	0.0023	0.00047	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0023	0.00070	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0023	0.00067	mg/kg	
108-88-3	Toluene	ND	0.0012	0.00061	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0058	0.0029	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0058	0.0029	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0023	0.00056	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0023	0.00064	mg/kg	
79-01-6	Trichloroethene	ND	0.0012	0.00089	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0058	0.00080	mg/kg	
75-01-4	Vinyl chloride	ND	0.0023	0.00056	mg/kg	
	m,p-Xylene	ND	0.0012	0.0010	mg/kg	
95-47-6	o-Xylene	ND	0.0012	0.00053	mg/kg	
1330-20-7	Xylene (total)	ND	0.0012	0.00053	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-124%
17060-07-0	1,2-Dichloroethane-D4	96%		75-133%
2037-26-5	Toluene-D8	94%		79-125%
460-00-4	4-Bromofluorobenzene	93%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	mg/kg	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: GRID-17
Lab Sample ID: JE1534-5
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/26/24
Date Received: 11/26/24
Percent Solids: 97.2

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y211535.D	1	12/03/24 00:00	PS	11/27/24 16:00	n/a	VY9149
Run #2							

	Initial Weight
Run #1	5.4 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	0.0095	0.0039	mg/kg	
71-43-2	Benzene	ND	0.00048	0.00043	mg/kg	
74-97-5	Bromochloromethane	ND	0.0048	0.00053	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0019	0.00041	mg/kg	
75-25-2	Bromoform	ND	0.0048	0.0013	mg/kg	
74-83-9	Bromomethane	ND	0.0048	0.00073	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.0095	0.0023	mg/kg	
75-15-0	Carbon disulfide	ND	0.0019	0.00051	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0019	0.00059	mg/kg	
108-90-7	Chlorobenzene	ND	0.0019	0.00044	mg/kg	
75-00-3	Chloroethane	ND	0.0048	0.00056	mg/kg	
67-66-3	Chloroform	ND	0.0019	0.00095	mg/kg	
74-87-3	Chloromethane	ND	0.0048	0.0019	mg/kg	
110-82-7	Cyclohexane	ND	0.0019	0.00063	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0019	0.00066	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0019	0.00053	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.00095	0.00040	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.00095	0.00052	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.00095	0.00047	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.00095	0.00047	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0048	0.00069	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.00095	0.00047	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.00095	0.00045	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.00095	0.00062	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.00095	0.00080	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.00095	0.00058	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0019	0.00045	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0019	0.00045	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0019	0.00044	mg/kg	
100-41-4	Ethylbenzene	ND	0.00095	0.00043	mg/kg	
76-13-1	Freon 113	ND	0.0048	0.0025	mg/kg	
591-78-6	2-Hexanone	ND	0.0048	0.0020	mg/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: GRID-17
Lab Sample ID: JE1534-5
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/26/24
Date Received: 11/26/24
Percent Solids: 97.2

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0019	0.0014	mg/kg	
79-20-9	Methyl Acetate	ND	0.0048	0.0013	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0019	0.00083	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.00095	0.00045	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0048	0.0022	mg/kg	
75-09-2	Methylene chloride	ND	0.0048	0.0025	mg/kg	
100-42-5	Styrene	ND	0.0019	0.00038	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0019	0.00057	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0019	0.00055	mg/kg	
108-88-3	Toluene	ND	0.00095	0.00050	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0048	0.0024	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0048	0.0024	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0019	0.00046	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0019	0.00053	mg/kg	
79-01-6	Trichloroethene	ND	0.00095	0.00073	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0048	0.00065	mg/kg	
75-01-4	Vinyl chloride	ND	0.0019	0.00046	mg/kg	
	m,p-Xylene	ND	0.00095	0.00085	mg/kg	
95-47-6	o-Xylene	ND	0.00095	0.00044	mg/kg	
1330-20-7	Xylene (total)	ND	0.00095	0.00044	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-124%
17060-07-0	1,2-Dichloroethane-D4	95%		75-133%
2037-26-5	Toluene-D8	93%		79-125%
460-00-4	4-Bromofluorobenzene	91%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	mg/kg	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: GRID-19
Lab Sample ID: JE1534-6
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/26/24
Date Received: 11/26/24
Percent Solids: 90.5

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y211536.D	1	12/03/24 00:22	PS	11/27/24 16:00	n/a	VY9149
Run #2							

	Initial Weight
Run #1	4.5 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	0.012	0.0051	mg/kg	
71-43-2	Benzene	ND	0.00061	0.00056	mg/kg	
74-97-5	Bromochloromethane	ND	0.0061	0.00069	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0025	0.00053	mg/kg	
75-25-2	Bromoform	ND	0.0061	0.0017	mg/kg	
74-83-9	Bromomethane	ND	0.0061	0.00094	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.012	0.0030	mg/kg	
75-15-0	Carbon disulfide	ND	0.0025	0.00066	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0025	0.00076	mg/kg	
108-90-7	Chlorobenzene	ND	0.0025	0.00056	mg/kg	
75-00-3	Chloroethane	ND	0.0061	0.00073	mg/kg	
67-66-3	Chloroform	ND	0.0025	0.0012	mg/kg	
74-87-3	Chloromethane	ND	0.0061	0.0024	mg/kg	
110-82-7	Cyclohexane	ND	0.0025	0.00081	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0025	0.00085	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0025	0.00069	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0012	0.00052	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0012	0.00067	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0012	0.00061	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0012	0.00061	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0061	0.00089	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0012	0.00061	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0012	0.00058	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0012	0.00080	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0012	0.0010	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0012	0.00075	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0025	0.00058	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0025	0.00058	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0025	0.00056	mg/kg	
100-41-4	Ethylbenzene	ND	0.0012	0.00056	mg/kg	
76-13-1	Freon 113	ND	0.0061	0.0033	mg/kg	
591-78-6	2-Hexanone	ND	0.0061	0.0026	mg/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: GRID-19
Lab Sample ID: JE1534-6
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/26/24
Date Received: 11/26/24
Percent Solids: 90.5

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0025	0.0017	mg/kg	
79-20-9	Methyl Acetate	ND	0.0061	0.0017	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0025	0.0011	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0012	0.00058	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0061	0.0028	mg/kg	
75-09-2	Methylene chloride	ND	0.0061	0.0032	mg/kg	
100-42-5	Styrene	ND	0.0025	0.00049	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0025	0.00074	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0025	0.00071	mg/kg	
108-88-3	Toluene	ND	0.0012	0.00064	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0061	0.0031	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0061	0.0031	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0025	0.00059	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0025	0.00068	mg/kg	
79-01-6	Trichloroethene	ND	0.0012	0.00094	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0061	0.00084	mg/kg	
75-01-4	Vinyl chloride	ND	0.0025	0.00059	mg/kg	
	m,p-Xylene	ND	0.0012	0.0011	mg/kg	
95-47-6	o-Xylene	ND	0.0012	0.00056	mg/kg	
1330-20-7	Xylene (total)	ND	0.0012	0.00056	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-124%
17060-07-0	1,2-Dichloroethane-D4	95%		75-133%
2037-26-5	Toluene-D8	93%		79-125%
460-00-4	4-Bromofluorobenzene	91%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	mg/kg	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: GRID-25
Lab Sample ID: JE1534-7
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/26/24
Date Received: 11/26/24
Percent Solids: 91.1

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y211537.D	1	12/03/24 00:44	PS	11/27/24 16:00	n/a	VY9149
Run #2							

	Initial Weight
Run #1	2.5 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	0.022	0.0091	mg/kg	
71-43-2	Benzene	ND	0.0011	0.0010	mg/kg	
74-97-5	Bromochloromethane	ND	0.011	0.0012	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0044	0.00094	mg/kg	
75-25-2	Bromoform	ND	0.011	0.0030	mg/kg	
74-83-9	Bromomethane	ND	0.011	0.0017	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.022	0.0053	mg/kg	
75-15-0	Carbon disulfide	ND	0.0044	0.0012	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0044	0.0014	mg/kg	
108-90-7	Chlorobenzene	ND	0.0044	0.0010	mg/kg	
75-00-3	Chloroethane	ND	0.011	0.0013	mg/kg	
67-66-3	Chloroform	ND	0.0044	0.0022	mg/kg	
74-87-3	Chloromethane	ND	0.011	0.0043	mg/kg	
110-82-7	Cyclohexane	ND	0.0044	0.0014	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0044	0.0015	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0044	0.0012	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0022	0.00092	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0022	0.0012	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0022	0.0011	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0022	0.0011	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.011	0.0016	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0022	0.0011	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0022	0.0010	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0022	0.0014	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0022	0.0018	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0022	0.0013	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0044	0.0010	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0044	0.0010	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0044	0.0010	mg/kg	
100-41-4	Ethylbenzene	ND	0.0022	0.00099	mg/kg	
76-13-1	Freon 113	ND	0.011	0.0059	mg/kg	
591-78-6	2-Hexanone	ND	0.011	0.0047	mg/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: GRID-25
Lab Sample ID: JE1534-7
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/26/24
Date Received: 11/26/24
Percent Solids: 91.1

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0044	0.0031	mg/kg	
79-20-9	Methyl Acetate	ND	0.011	0.0031	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0044	0.0019	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0022	0.0010	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.011	0.0050	mg/kg	
75-09-2	Methylene chloride	ND	0.011	0.0057	mg/kg	
100-42-5	Styrene	ND	0.0044	0.00088	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0044	0.0013	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0044	0.0013	mg/kg	
108-88-3	Toluene	ND	0.0022	0.0012	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.011	0.0055	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.011	0.0055	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0044	0.0011	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0044	0.0012	mg/kg	
79-01-6	Trichloroethene	ND	0.0022	0.0017	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.011	0.0015	mg/kg	
75-01-4	Vinyl chloride	ND	0.0044	0.0011	mg/kg	
	m,p-Xylene	ND	0.0022	0.0020	mg/kg	
95-47-6	o-Xylene	ND	0.0022	0.0010	mg/kg	
1330-20-7	Xylene (total)	ND	0.0022	0.0010	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-124%
17060-07-0	1,2-Dichloroethane-D4	97%		75-133%
2037-26-5	Toluene-D8	97%		79-125%
460-00-4	4-Bromofluorobenzene	99%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	mg/kg	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: FB-3
Lab Sample ID: JE1534-8
Matrix: AQ - Field Blank Soil
Method: SW846 8260D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/26/24
Date Received: 11/26/24
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2S011166.D	1	11/27/24 17:33	KA	n/a	n/a	V2S292
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane [a]	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide [a]	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane [a]	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane [a]	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene [a]	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB-3		
Lab Sample ID:	JE1534-8	**Date Sampled:**	11/26/24
Matrix:	AQ - Field Blank Soil	**Date Received:**	11/26/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride [a]	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride [a]	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-120%
17060-07-0	1,2-Dichloroethane-D4	97%		80-120%
2037-26-5	Toluene-D8	97%		80-120%
460-00-4	4-Bromofluorobenzene	89%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	FB-3		
Lab Sample ID:	JE1534-8	**Date Sampled:**	11/26/24
Matrix:	AQ - Field Blank Soil	**Date Received:**	11/26/24
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F223273.D	1	12/03/24 16:09	KH	12/02/24 13:50	OP59809	EF9919
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol [a]	ND	5.0	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.89	ug/l	
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol [a]	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	

ND = Not detected MDL = Method Detection Limit
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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB-3		
Lab Sample ID:	JE1534-8	**Date Sampled:**	11/26/24
Matrix:	AQ - Field Blank Soil	**Date Received:**	11/26/24
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.51	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.66	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.50	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene [a]	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	ND	1.0	0.23	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	40%		10-71%

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB-3		
Lab Sample ID:	JE1534-8	**Date Sampled:**	11/26/24
Matrix:	AQ - Field Blank Soil	**Date Received:**	11/26/24
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	27%		10-58%
118-79-6	2,4,6-Tribromophenol	83%		22-144%
4165-60-0	Nitrobenzene-d5	76%		28-118%
321-60-8	2-Fluorobiphenyl	72%		34-116%
1718-51-0	Terphenyl-d14	82%		10-127%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	4.07	46	ug/l	J
	system artifact	4.16	15	ug/l	J
	system artifact	4.27	42	ug/l	J
	Total TIC, Semi-Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	FB-3		
Lab Sample ID:	JE1534-8	**Date Sampled:**	11/26/24
Matrix:	AQ - Field Blank Soil	**Date Received:**	11/26/24
Method:	SW846 8081B SW846 3511	**Percent Solids:**	n/a
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	8G62771.D	1	12/03/24 03:55	CP	12/02/24 17:35	OP59820	G8G2700
Run #2							

	Initial Volume	Final Volume
Run #1	54.2 ml	2.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0037	0.0017	ug/l	
319-84-6	alpha-BHC	ND	0.0037	0.0017	ug/l	
319-85-7	beta-BHC	ND	0.0037	0.0029	ug/l	
319-86-8	delta-BHC	ND	0.0037	0.00081	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.0037	0.0022	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0037	0.0014	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0037	0.0012	ug/l	
57-74-9	Chlordane (alpha and gamma)	ND	0.0037	0.0012	ug/l	
60-57-1	Dieldrin	ND	0.0037	0.0027	ug/l	
72-54-8	4,4'-DDD	ND	0.0037	0.0016	ug/l	
72-55-9	4,4'-DDE	ND	0.0037	0.00095	ug/l	
50-29-3	4,4'-DDT	ND	0.0037	0.0022	ug/l	
72-20-8	Endrin	ND	0.0037	0.0019	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.0037	0.00048	ug/l	
7421-93-4	Endrin aldehyde	ND	0.0037	0.0018	ug/l	
53494-70-5	Endrin ketone	ND	0.0037	0.0027	ug/l	
959-98-8	Endosulfan-I	ND	0.0037	0.0023	ug/l	
33213-65-9	Endosulfan-II	ND	0.0037	0.0013	ug/l	
76-44-8	Heptachlor	ND	0.0037	0.0022	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.0037	0.0017	ug/l	
72-43-5	Methoxychlor	ND	0.0074	0.0043	ug/l	
8001-35-2	Toxaphene	ND	0.092	0.062	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	102%		50-150%
877-09-8	Tetrachloro-m-xylene	83%		50-150%
2051-24-3	Decachlorobiphenyl	103%		50-150%
2051-24-3	Decachlorobiphenyl	81%		50-150%

(a) Associated blank spike outside control limits biased low. Unable to re-extract sample due to expired hold time.

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N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: FB-3
Lab Sample ID: JE1534-8
Matrix: AQ - Field Blank Soil
Method: SW846 8082A SW846 3511
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/26/24
Date Received: 11/26/24
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RL23109.D	1	12/03/24 01:37	CP	12/02/24 17:35	OP59821	GRL552
Run #2							

	Initial Volume	Final Volume
Run #1	54.2 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.18	0.051	ug/l	
11104-28-2	Aroclor 1221	ND	0.18	0.096	ug/l	
11141-16-5	Aroclor 1232	ND	0.18	0.071	ug/l	
53469-21-9	Aroclor 1242	ND	0.18	0.040	ug/l	
12672-29-6	Aroclor 1248	ND	0.18	0.036	ug/l	
11097-69-1	Aroclor 1254	ND	0.18	0.068	ug/l	
11096-82-5	Aroclor 1260	ND	0.18	0.11	ug/l	
11100-14-4	Aroclor 1268	ND	0.18	0.063	ug/l	
37324-23-5	Aroclor 1262	ND	0.18	0.040	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	101%		50-150%
877-09-8	Tetrachloro-m-xylene	113%		50-150%
2051-24-3	Decachlorobiphenyl	117%		50-150%
2051-24-3	Decachlorobiphenyl	122%		50-150%

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RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB-3		
Lab Sample ID:	JE1534-8	**Date Sampled:**	11/26/24
Matrix:	AQ - Field Blank Soil	**Date Received:**	11/26/24
		Percent Solids:	n/a
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	12/02/24	12/04/24	MM	SW846 6010D [2]	SW846 3010A [3]
Antimony	< 6.0	6.0	ug/l	1	12/02/24	12/04/24	MM	SW846 6010D [2]	SW846 3010A [3]
Arsenic	< 3.0	3.0	ug/l	1	12/02/24	12/04/24	MM	SW846 6010D [2]	SW846 3010A [3]
Barium	< 200	200	ug/l	1	12/02/24	12/04/24	MM	SW846 6010D [2]	SW846 3010A [3]
Beryllium	< 1.0	1.0	ug/l	1	12/02/24	12/04/24	MM	SW846 6010D [2]	SW846 3010A [3]
Cadmium	< 3.0	3.0	ug/l	1	12/02/24	12/04/24	MM	SW846 6010D [2]	SW846 3010A [3]
Calcium	< 5000	5000	ug/l	1	12/02/24	12/04/24	MM	SW846 6010D [2]	SW846 3010A [3]
Chromium	< 10	10	ug/l	1	12/02/24	12/04/24	MM	SW846 6010D [2]	SW846 3010A [3]
Cobalt	< 50	50	ug/l	1	12/02/24	12/04/24	MM	SW846 6010D [2]	SW846 3010A [3]
Copper	< 10	10	ug/l	1	12/02/24	12/04/24	MM	SW846 6010D [2]	SW846 3010A [3]
Iron	< 100	100	ug/l	1	12/02/24	12/04/24	MM	SW846 6010D [2]	SW846 3010A [3]
Lead	< 3.0	3.0	ug/l	1	12/02/24	12/04/24	MM	SW846 6010D [2]	SW846 3010A [3]
Magnesium	< 5000	5000	ug/l	1	12/02/24	12/04/24	MM	SW846 6010D [2]	SW846 3010A [3]
Manganese	< 15	15	ug/l	1	12/02/24	12/04/24	MM	SW846 6010D [2]	SW846 3010A [3]
Mercury	< 0.20	0.20	ug/l	1	12/02/24	12/03/24	MK	SW846 7470A [1]	SW846 7470A [4]
Nickel	< 10	10	ug/l	1	12/02/24	12/04/24	MM	SW846 6010D [2]	SW846 3010A [3]
Potassium	< 10000	10000	ug/l	1	12/02/24	12/04/24	MM	SW846 6010D [2]	SW846 3010A [3]
Selenium	< 10	10	ug/l	1	12/02/24	12/04/24	MM	SW846 6010D [2]	SW846 3010A [3]
Silver	< 10	10	ug/l	1	12/02/24	12/04/24	MM	SW846 6010D [2]	SW846 3010A [3]
Sodium	< 10000	10000	ug/l	1	12/02/24	12/04/24	MM	SW846 6010D [2]	SW846 3010A [3]
Thallium	< 10	10	ug/l	1	12/02/24	12/04/24	MM	SW846 6010D [2]	SW846 3010A [3]
Vanadium	< 50	50	ug/l	1	12/02/24	12/04/24	MM	SW846 6010D [2]	SW846 3010A [3]
Zinc	< 20	20	ug/l	1	12/02/24	12/04/24	MM	SW846 6010D [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA57413
(2) Instrument QC Batch: MA57432
(3) Prep QC Batch: MP51263
(4) Prep QC Batch: MP51277

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FB-3		
Lab Sample ID:	JE1534-8	**Date Sampled:**	11/26/24
Matrix:	AQ - Field Blank Soil	**Date Received:**	11/26/24
		Percent Solids:	n/a
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.010	0.010	mg/l	1	12/02/24 19:43	SS	EPA 335.4/LACHAT

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

SO SL FB

CHAIN OF CUSTODY

SGS

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

Page 1 of 1

FED-EX Tracking #
Bottle Order Control # PREM-TM-112524-32
SGS Quote #
SGS Job # JE1534

Client / Reporting Information

Company Name: Matrix New World Engineering
Street Address: 26 Columbia Turnpike
City: Florham Park State: NJ Zip: 07932
Project Contact: Melissa Fevry E-mail: mfevry@mnwe.com
Phone #: 973-240-1800

Project Information

Project Name: Ridgewood - Scheibler Property
Street: 460 W. Saddle River Rd
City: Ridgewood State: NJ
Project #: 23-1429
Client Purchase Order #: 2024 3716
Project Manager: Melissa Fevry

Billing Information (if different from Report to)

Company Name
Street Address: SAME
City State Zip
Attention:

Sampler(s) Name(s): Daniel Cavallo Phone #: 973-865-3808

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB-Equipment Blank; RB - Rinse Blank; TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	Number of Bottles: HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)	TCL VOCs +15	SPLP VOCs	TCL/TAL+30	LAB USE ONLY
1	Grid-1	~~A~~	11/26/24	1155	DC	G		Soil	5					1			4		X	H		E100
2	Grid-2	~~A~~	"	1145															X	H		A24
3	Grid-5	~~A~~	"	0900															X	H		G38 T4
4	Grid-6	~~A~~	"	0930															X	H		V574
5	Grid-17	~~A~~	"	1320															X	H		E61T
6	Grid-19	~~A~~	"	1225															X	H		1403
7	Grid-25	~~A~~	"	1305															X	H		4925
8	FB-3		"	1550				FB	9	3	1	1		4							X	

Initial Assessment 11325
Label Verification

Turn Around Time (Business Days)

Approved By (SGS PM) / Date: Standard

- [ ] 10 Business Days
- [x] ~~5~~ Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via SGS Engage

* Approval needed for 1-3 BD TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [x] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [ ] EDD Format

~~3~~x5g encore
~~1~~x5g encore
SGS COURIER

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

X = Run
H = Extract + Hold

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1 D Cavallo	11/26/24	1 M. Dly	2 M. Dly	11/27 4pm	2 11/26 19:42
3		3	4		4
5		5	Custody Seal #	Intact / Not intact / Absent	Therm ID: IR9D On Ice / See Sample Receipt Summary Cooler Temp. °C: 2.3 / 2.4 1.8

EHSA-QAC-0023-05 Rev.Date:8/5/22

JE1534: Chain of Custody
Page 1 of 3

SGS Sample Receipt Summary

Job Number: je1534 **Client:** MATRIX NEW WORLD ENGINEERING, IN **Project:** RIDGEWOOD BERM SAMPLING, RIDGEWO

Date / Time Received: 11/26/2024 7:42:00 PM **Delivery Method:** SGS COURIER **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (2.3); Cooler 2: (2.4); Cooler 3: (1.8);

Cooler Temps (Corrected) °C: Cooler 1: (2.8); Cooler 2: (2.9); Cooler 3: (2.3);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR-50		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	3		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments -1 to -7 Rec'd only 1 x 25g encore for SPLP VOCs. Limited volume.

Responded to by: Louie DeVletter

Response Date: 11/27/2024

Proceed w/ analysis as per client.

Internal Sample Tracking Chronicle

Matrix New World Engineering, Inc.

Job No: JE1534

Ridgewood Berm Sampling, Ridgewood, NJ
Project No: 23-1429; PO#20243716

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JE1534-1 GRID-1	Collected: 26-NOV-24 11:55 By: DC		Received: 26-NOV-24 By: JK			
JE1534-1	SW846 8260D	02-DEC-24 23:01	PS			V8260TCL20+
JE1534-1	SM2540 G 18TH ED MOD	04-DEC-24 13:01	DP			SOL104
JE1534-2 GRID-2	Collected: 26-NOV-24 11:45 By: DC		Received: 26-NOV-24 By: JK			
JE1534-2	SW846 8260D	02-DEC-24 23:27	PS			V8260TCL20+
JE1534-2	SM2540 G 18TH ED MOD	04-DEC-24 13:01	DP			SOL104
JE1534-3 GRID-5	Collected: 26-NOV-24 09:00 By: DC		Received: 26-NOV-24 By: JK			
JE1534-3	SW846 8260D	02-DEC-24 23:17	PS			V8260TCL20+
JE1534-3	SM2540 G 18TH ED MOD	04-DEC-24 13:01	DP			SOL104
JE1534-4 GRID-6	Collected: 26-NOV-24 09:30 By: DC		Received: 26-NOV-24 By: JK			
JE1534-4	SW846 8260D	02-DEC-24 23:38	PS			V8260TCL20+
JE1534-4	SM2540 G 18TH ED MOD	04-DEC-24 13:01	DP			SOL104
JE1534-5 GRID-17	Collected: 26-NOV-24 13:20 By: DC		Received: 26-NOV-24 By: JK			
JE1534-5	SW846 8260D	03-DEC-24	PS			V8260TCL20+
JE1534-5	SM2540 G 18TH ED MOD	04-DEC-24 13:01	DP			SOL104
JE1534-6 GRID-19	Collected: 26-NOV-24 12:25 By: DC		Received: 26-NOV-24 By: JK			
JE1534-6	SW846 8260D	03-DEC-24 00:22	PS			V8260TCL20+
JE1534-6	SM2540 G 18TH ED MOD	04-DEC-24 13:01	DP			SOL104
JE1534-7 GRID-25	Collected: 26-NOV-24 13:05 By: DC		Received: 26-NOV-24 By: JK			
JE1534-7	SW846 8260D	03-DEC-24 00:44	PS			V8260TCL20+

Internal Sample Tracking Chronicle

Matrix New World Engineering, Inc.

Job No: JE1534

Ridgewood Berm Sampling, Ridgewood, NJ
Project No: 23-1429; PO#20243716

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JE1534-7	SM2540 G 18TH ED MOD	04-DEC-24 13:01	DP			SOL104
JE1534-8 FB-3	Collected: 26-NOV-24 15:50 By: DC		Received: 26-NOV-24 By: JK			
JE1534-8	SW846 8260D	27-NOV-24 17:33	KA			V8260TCL20+
JE1534-8	EPA 335.4/LACHAT	02-DEC-24 19:43	SS	29-NOV-24	MS	CN
JE1534-8	SW846 8082A	03-DEC-24 01:37	CP	02-DEC-24	AC	P8082PCB11AO
JE1534-8	SW846 8081B	03-DEC-24 03:55	CP	02-DEC-24	AC	P8081PESTTCL
JE1534-8	SW846 7470A	03-DEC-24 11:02	MK	02-DEC-24	MK	HG
JE1534-8	SW846 8270E	03-DEC-24 16:09	KH	02-DEC-24	GA	AB8270TCL20+
JE1534-8	SW846 6010D	04-DEC-24 02:14	MM	02-DEC-24	SL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN

SGS Internal Chain of Custody

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Received: 11/26/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE1534-1.1	Benny Liem	Secured Storage	11/27/24 15:33	Return to Storage
JE1534-1.1	Secured Storage	Todd Shoemaker	12/04/24 11:10	Retrieve from Storage
JE1534-1.1	Todd Shoemaker	Secured Staging Area	12/04/24 11:10	Return to Storage
JE1534-1.1	Secured Staging Area	Dhaval Patel	12/04/24 11:56	Retrieve from Storage
JE1534-1.1	Dhaval Patel	Secured Staging Area	12/05/24 16:48	Return to Storage
JE1534-1.2	Secured Storage	Jayna Patel	11/27/24 16:39	Retrieve from Storage
JE1534-1.2	Jayna Patel		11/27/24 16:39	Depleted
JE1534-1.4	Secured Storage	John Nieradka	12/02/24 15:38	Retrieve from Storage
JE1534-1.4	John Nieradka	GCMS3C	12/02/24 15:38	Load on Instrument
JE1534-1.4	GCMS3C	Prashant Shukla	12/03/24 10:17	Unload from Instrument
JE1534-1.4	Prashant Shukla		12/03/24 10:18	Depleted
JE1534-1.6	Secured Storage	Todd Shoemaker	12/02/24 11:34	Retrieve from Storage
JE1534-1.6	Todd Shoemaker	Secured Staging Area	12/02/24 11:35	Return to Storage
JE1534-1.6	Secured Staging Area	Brandon Bayne	12/02/24 11:42	Retrieve from Storage
JE1534-1.6	Brandon Bayne	Secured Storage	12/02/24 17:44	Return to Storage
JE1534-1.6	Secured Storage	Brandon Bayne	12/02/24 17:48	Retrieve from Storage
JE1534-1.6	Brandon Bayne		12/02/24 17:49	Depleted
JE1534-1.6.1	Brandon Bayne	TCLP	12/02/24 11:42	Leachate from JE1534-1.6
JE1534-1.6.1	TCLP	Brandon Bayne	12/02/24 17:25	Leachate from JE1534-1.6
JE1534-1.6.1	Brandon Bayne	Secured Storage	12/02/24 17:44	Return to Storage
JE1534-1.6.2	TCLP	Brandon Bayne	12/02/24 17:25	Leachate from JE1534-1.6
JE1534-1.6.2	Brandon Bayne	Secured Storage	12/02/24 17:44	Return to Storage
JE1534-2.1	Benny Liem	Secured Storage	11/27/24 15:33	Return to Storage
JE1534-2.1	Secured Storage	Todd Shoemaker	12/04/24 11:10	Retrieve from Storage
JE1534-2.1	Todd Shoemaker	Secured Staging Area	12/04/24 11:10	Return to Storage
JE1534-2.1	Secured Staging Area	Dhaval Patel	12/04/24 11:56	Retrieve from Storage
JE1534-2.1	Dhaval Patel	Secured Staging Area	12/05/24 16:48	Return to Storage
JE1534-2.2	Secured Storage	Jayna Patel	11/27/24 16:39	Retrieve from Storage
JE1534-2.2	Jayna Patel		11/27/24 16:39	Depleted
JE1534-2.4	Secured Storage	John Nieradka	12/02/24 15:38	Retrieve from Storage
JE1534-2.4	John Nieradka	GCMS3C	12/02/24 15:38	Load on Instrument
JE1534-2.4	GCMS3C	Prashant Shukla	12/03/24 10:17	Unload from Instrument
JE1534-2.4	Prashant Shukla		12/03/24 10:18	Depleted
JE1534-2.6	Secured Storage	Todd Shoemaker	12/02/24 11:34	Retrieve from Storage
JE1534-2.6	Todd Shoemaker	Secured Staging Area	12/02/24 11:35	Return to Storage

SGS Internal Chain of Custody

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Received: 11/26/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE1534-2.6	Secured Staging Area	Brandon Bayne	12/02/24 11:42	Retrieve from Storage
JE1534-2.6	Brandon Bayne	Secured Storage	12/02/24 17:44	Return to Storage
JE1534-2.6	Secured Storage	Brandon Bayne	12/02/24 17:48	Retrieve from Storage
JE1534-2.6	Brandon Bayne		12/02/24 17:49	Depleted
JE1534-2.6.1	Brandon Bayne	TCLP	12/02/24 11:42	Leachate from JE1534-2.6
JE1534-2.6.1	TCLP	Joseph Dye	12/06/24 20:32	Leachate from JE1534-2.6
JE1534-2.6.1	Joseph Dye		12/06/24 20:33	Depleted
JE1534-3.1	Benny Liem	Secured Storage	11/27/24 15:33	Return to Storage
JE1534-3.1	Secured Storage	Todd Shoemaker	12/04/24 11:10	Retrieve from Storage
JE1534-3.1	Todd Shoemaker	Secured Staging Area	12/04/24 11:10	Return to Storage
JE1534-3.1	Secured Staging Area	Dhaval Patel	12/04/24 11:56	Retrieve from Storage
JE1534-3.1	Dhaval Patel	Secured Staging Area	12/05/24 16:48	Return to Storage
JE1534-3.2	Secured Storage	Jayna Patel	11/27/24 16:39	Retrieve from Storage
JE1534-3.2	Jayna Patel		11/27/24 16:39	Depleted
JE1534-3.4	Secured Storage	Prashant Shukla	12/02/24 18:24	Retrieve from Storage
JE1534-3.4	Prashant Shukla	GCMSY	12/02/24 18:24	Load on Instrument
JE1534-3.4	GCMSY	Prashant Shukla	12/03/24 10:18	Unload from Instrument
JE1534-3.4	Prashant Shukla		12/03/24 10:18	Depleted
JE1534-3.6	Secured Storage	Todd Shoemaker	12/02/24 11:34	Retrieve from Storage
JE1534-3.6	Todd Shoemaker	Secured Staging Area	12/02/24 11:35	Return to Storage
JE1534-3.6	Secured Staging Area	Brandon Bayne	12/02/24 11:42	Retrieve from Storage
JE1534-3.6	Brandon Bayne	Secured Storage	12/02/24 17:44	Return to Storage
JE1534-3.6	Secured Storage	Brandon Bayne	12/02/24 17:48	Retrieve from Storage
JE1534-3.6	Brandon Bayne		12/02/24 17:49	Depleted
JE1534-3.6.1	Brandon Bayne	TCLP	12/02/24 11:42	Leachate from JE1534-3.6
JE1534-3.6.1	TCLP	Brandon Bayne	12/02/24 17:25	Leachate from JE1534-3.6
JE1534-3.6.1	Brandon Bayne	Secured Storage	12/02/24 17:44	Return to Storage
JE1534-3.6.2	TCLP	Brandon Bayne	12/02/24 17:25	Leachate from JE1534-3.6
JE1534-3.6.2	Brandon Bayne	Secured Storage	12/02/24 17:44	Return to Storage
JE1534-4.1	Benny Liem	Secured Storage	11/27/24 15:33	Return to Storage
JE1534-4.1	Secured Storage	Todd Shoemaker	12/04/24 11:10	Retrieve from Storage
JE1534-4.1	Todd Shoemaker	Secured Staging Area	12/04/24 11:10	Return to Storage
JE1534-4.1	Secured Staging Area	Dhaval Patel	12/04/24 11:56	Retrieve from Storage
JE1534-4.1	Dhaval Patel	Secured Staging Area	12/05/24 16:48	Return to Storage
JE1534-4.2	Secured Storage	Jayna Patel	11/27/24 16:39	Retrieve from Storage

SGS Internal Chain of Custody

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Received: 11/26/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE1534-4.2	Jayna Patel		11/27/24 16:39	Depleted
JE1534-4.4	Secured Storage	Prashant Shukla	12/02/24 18:24	Retrieve from Storage
JE1534-4.4	Prashant Shukla	GCMSY	12/02/24 18:24	Load on Instrument
JE1534-4.4	GCMSY	Prashant Shukla	12/03/24 10:18	Unload from Instrument
JE1534-4.4	Prashant Shukla		12/03/24 10:18	Depleted
JE1534-4.6	Secured Storage	Todd Shoemaker	12/02/24 11:34	Retrieve from Storage
JE1534-4.6	Todd Shoemaker	Secured Staging Area	12/02/24 11:35	Return to Storage
JE1534-4.6	Secured Staging Area	Brandon Bayne	12/02/24 11:42	Retrieve from Storage
JE1534-4.6	Brandon Bayne	Secured Storage	12/02/24 17:44	Return to Storage
JE1534-4.6	Secured Storage	Brandon Bayne	12/02/24 17:48	Retrieve from Storage
JE1534-4.6	Brandon Bayne		12/02/24 17:49	Depleted
JE1534-4.6.1	Brandon Bayne	TCLP	12/02/24 11:42	Leachate from JE1534-4.6
JE1534-4.6.1	TCLP	Brandon Bayne	12/02/24 17:25	Leachate from JE1534-4.6
JE1534-4.6.1	Brandon Bayne	Secured Storage	12/02/24 17:44	Return to Storage
JE1534-4.6.2	TCLP	Brandon Bayne	12/02/24 17:25	Leachate from JE1534-4.6
JE1534-4.6.2	Brandon Bayne	Secured Storage	12/02/24 17:44	Return to Storage
JE1534-5.1	Benny Liem	Secured Storage	11/27/24 15:33	Return to Storage
JE1534-5.1	Secured Storage	Todd Shoemaker	12/04/24 11:10	Retrieve from Storage
JE1534-5.1	Todd Shoemaker	Secured Staging Area	12/04/24 11:10	Return to Storage
JE1534-5.1	Secured Staging Area	Dhaval Patel	12/04/24 11:56	Retrieve from Storage
JE1534-5.1	Dhaval Patel	Secured Staging Area	12/05/24 16:48	Return to Storage
JE1534-5.2	Secured Storage	Jayna Patel	11/27/24 16:39	Retrieve from Storage
JE1534-5.2	Jayna Patel		11/27/24 16:39	Depleted
JE1534-5.4	Secured Storage	Prashant Shukla	12/02/24 18:24	Retrieve from Storage
JE1534-5.4	Prashant Shukla	GCMSY	12/02/24 18:24	Load on Instrument
JE1534-5.4	GCMSY	Prashant Shukla	12/03/24 10:18	Unload from Instrument
JE1534-5.4	Prashant Shukla		12/03/24 10:18	Depleted
JE1534-5.6	Secured Storage	Todd Shoemaker	12/02/24 11:34	Retrieve from Storage
JE1534-5.6	Todd Shoemaker	Secured Staging Area	12/02/24 11:35	Return to Storage
JE1534-5.6	Secured Staging Area	Brandon Bayne	12/02/24 11:42	Retrieve from Storage
JE1534-5.6	Brandon Bayne	Secured Storage	12/02/24 17:44	Return to Storage
JE1534-5.6	Secured Storage	Brandon Bayne	12/02/24 17:48	Retrieve from Storage
JE1534-5.6	Brandon Bayne		12/02/24 17:49	Depleted
JE1534-5.6.1	Brandon Bayne	TCLP	12/02/24 11:42	Leachate from JE1534-5.6
JE1534-5.6.1	TCLP	Brandon Bayne	12/02/24 17:25	Leachate from JE1534-5.6

SGS Internal Chain of Custody

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Received: 11/26/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE1534-5.6.1	Brandon Bayne	Secured Storage	12/02/24 17:44	Return to Storage
JE1534-5.6.2	TCLP	Brandon Bayne	12/02/24 17:25	Leachate from JE1534-5.6
JE1534-5.6.2	Brandon Bayne	Secured Storage	12/02/24 17:44	Return to Storage
JE1534-6.1	Benny Liem	Secured Storage	11/27/24 15:33	Return to Storage
JE1534-6.1	Secured Storage	Todd Shoemaker	12/04/24 11:10	Retrieve from Storage
JE1534-6.1	Todd Shoemaker	Secured Staging Area	12/04/24 11:10	Return to Storage
JE1534-6.1	Secured Staging Area	Dhaval Patel	12/04/24 11:56	Retrieve from Storage
JE1534-6.1	Dhaval Patel	Secured Staging Area	12/05/24 16:48	Return to Storage
JE1534-6.2	Secured Storage	Jayna Patel	11/27/24 16:39	Retrieve from Storage
JE1534-6.2	Jayna Patel		11/27/24 16:39	Depleted
JE1534-6.4	Secured Storage	Prashant Shukla	12/02/24 18:24	Retrieve from Storage
JE1534-6.4	Prashant Shukla	GCMSY	12/02/24 18:24	Load on Instrument
JE1534-6.4	GCMSY	Prashant Shukla	12/03/24 10:18	Unload from Instrument
JE1534-6.4	Prashant Shukla		12/03/24 10:18	Depleted
JE1534-6.6	Secured Storage	Todd Shoemaker	12/02/24 11:34	Retrieve from Storage
JE1534-6.6	Todd Shoemaker	Secured Staging Area	12/02/24 11:35	Return to Storage
JE1534-6.6	Secured Staging Area	Brandon Bayne	12/02/24 11:42	Retrieve from Storage
JE1534-6.6	Brandon Bayne	Secured Storage	12/02/24 17:44	Return to Storage
JE1534-6.6	Secured Storage	Brandon Bayne	12/02/24 17:48	Retrieve from Storage
JE1534-6.6	Brandon Bayne		12/02/24 17:49	Depleted
JE1534-6.6.1	Brandon Bayne	TCLP	12/02/24 11:42	Leachate from JE1534-6.6
JE1534-6.6.1	TCLP	Brandon Bayne	12/02/24 17:25	Leachate from JE1534-6.6
JE1534-6.6.1	Brandon Bayne	Secured Storage	12/02/24 17:44	Return to Storage
JE1534-6.6.2	TCLP	Brandon Bayne	12/02/24 17:25	Leachate from JE1534-6.6
JE1534-6.6.2	Brandon Bayne	Secured Storage	12/02/24 17:44	Return to Storage
JE1534-7.1	Benny Liem	Secured Storage	11/27/24 15:33	Return to Storage
JE1534-7.1	Secured Storage	Todd Shoemaker	12/04/24 11:10	Retrieve from Storage
JE1534-7.1	Todd Shoemaker	Secured Staging Area	12/04/24 11:10	Return to Storage
JE1534-7.1	Secured Staging Area	Dhaval Patel	12/04/24 11:56	Retrieve from Storage
JE1534-7.1	Dhaval Patel	Secured Staging Area	12/05/24 16:48	Return to Storage
JE1534-7.2	Secured Storage	Jayna Patel	11/27/24 16:39	Retrieve from Storage
JE1534-7.2	Jayna Patel		11/27/24 16:39	Depleted
JE1534-7.4	Secured Storage	Prashant Shukla	12/02/24 18:24	Retrieve from Storage
JE1534-7.4	Prashant Shukla	GCMSY	12/02/24 18:24	Load on Instrument

SGS Internal Chain of Custody

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Received: 11/26/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE1534-7.4	GCMSY	Prashant Shukla	12/03/24 10:18	Unload from Instrument
JE1534-7.4	Prashant Shukla		12/03/24 10:18	Depleted
JE1534-7.6	Secured Storage	Todd Shoemaker	12/02/24 11:34	Retrieve from Storage
JE1534-7.6	Todd Shoemaker	Secured Staging Area	12/02/24 11:35	Return to Storage
JE1534-7.6	Secured Staging Area	Brandon Bayne	12/02/24 11:42	Retrieve from Storage
JE1534-7.6	Brandon Bayne	Secured Storage	12/02/24 17:44	Return to Storage
JE1534-7.6	Secured Storage	Brandon Bayne	12/02/24 17:48	Retrieve from Storage
JE1534-7.6	Brandon Bayne		12/02/24 17:49	Depleted
JE1534-7.6.1	Brandon Bayne	TCLP	12/02/24 11:42	Leachate from JE1534-7.6
JE1534-7.6.1	TCLP	Joseph Dye	12/06/24 20:32	Leachate from JE1534-7.6
JE1534-7.6.1	Joseph Dye		12/06/24 20:33	Depleted
JE1534-8.1	Benny Liem	Secured Storage	11/27/24 15:33	Return to Storage
JE1534-8.1	Secured Storage	Alejandra Cruz	12/02/24 15:08	Retrieve from Storage
JE1534-8.1	Alejandra Cruz	Secured Storage	12/02/24 19:41	Return to Storage
JE1534-8.1.1	Alejandra Cruz	Organics Prep	12/02/24 15:09	Extract from JE1534-8.1
JE1534-8.1.1	Organics Prep	Alejandra Cruz	12/02/24 22:05	Extract from JE1534-8.1
JE1534-8.1.1	Alejandra Cruz	Extract Storage	12/02/24 22:05	Return to Storage
JE1534-8.1.1	Extract Storage	Christine Phillips	12/03/24 02:09	Retrieve from Storage
JE1534-8.1.1	Christine Phillips	GC8G	12/03/24 02:09	Load on Instrument
JE1534-8.1.2	Alejandra Cruz	Organics Prep	12/02/24 15:10	Extract from JE1534-8.1
JE1534-8.1.2	Organics Prep	Alejandra Cruz	12/02/24 22:06	Extract from JE1534-8.1
JE1534-8.1.2	Alejandra Cruz	Extract Storage	12/02/24 22:06	Return to Storage
JE1534-8.1.2	Extract Storage	Christine Phillips	12/03/24 00:45	Retrieve from Storage
JE1534-8.1.2	Christine Phillips	GCRL	12/03/24 00:45	Load on Instrument
JE1534-8.1.2	GCRL	Rebecca Krug	12/10/24 06:31	Unload from Instrument
JE1534-8.1.2	Rebecca Krug	Extract Freezer	12/10/24 06:31	Return to Storage
JE1534-8.2	Benny Liem	Secured Storage	11/27/24 15:33	Return to Storage
JE1534-8.2	Secured Storage	Naisha Torres	12/02/24 08:37	Retrieve from Storage
JE1534-8.2	Naisha Torres		12/02/24 18:20	Depleted
JE1534-8.2.1	Naisha Torres	Organics Prep	12/02/24 08:40	Extract from JE1534-8.2
JE1534-8.2.1	Organics Prep	George Aymes	12/03/24 02:15	Extract from JE1534-8.2
JE1534-8.2.1	George Aymes	Extract Storage	12/03/24 02:15	Return to Storage
JE1534-8.3	Benny Liem	Secured Storage	11/27/24 15:33	Return to Storage
JE1534-8.4	Benny Liem	Secured Storage	11/27/24 15:33	Return to Storage

SGS Internal Chain of Custody

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Received: 11/26/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE1534-8.5	Benny Liem	Secured Storage	11/27/24 15:33	Return to Storage
JE1534-8.5	Secured Storage	Marcin Kotowski	12/02/24 09:29	Retrieve from Storage
JE1534-8.5	Marcin Kotowski	Secured Storage	12/02/24 15:24	Return to Storage
JE1534-8.6	Benny Liem	Secured Storage	11/27/24 15:33	Return to Storage
JE1534-8.6	Secured Storage	Taylor Gorman	11/29/24 08:52	Retrieve from Storage
JE1534-8.6	Taylor Gorman	Secured Staging Area	11/29/24 08:52	Return to Storage
JE1534-8.6	Secured Staging Area	Melissa Saenz	11/29/24 10:43	Retrieve from Storage
JE1534-8.6	Melissa Saenz	Secured Storage	12/01/24 20:10	Return to Storage
JE1534-8.7	Benny Liem	Secured Storage	11/27/24 15:18	Return to Storage
JE1534-8.8	Benny Liem	Secured Storage	11/27/24 15:18	Return to Storage

MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2S292-MB	2S011155.D	1	11/27/24	KA	n/a	n/a	V2S292

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE1534-8

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	

Method Blank Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2S292-MB	2S011155.D	1	11/27/24	KA	n/a	n/a	V2S292

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE1534-8

CAS No.	Compound	Result	RL	MDL	Units	Q
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	106%	80-120%
17060-07-0	1,2-Dichloroethane-D4	109%	80-120%
2037-26-5	Toluene-D8	98%	80-120%
460-00-4	4-Bromofluorobenzene	91%	82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.06	5.7	ug/l	J
	Total TIC, Volatile		0	ug/l	

Method Blank Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3C8319-MB	3C191295.D	1	12/02/24	PS	n/a	n/a	V3C8319

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE1534-1, JE1534-2

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	4.1	ug/kg	
71-43-2	Benzene	ND	0.50	0.46	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	0.56	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	0.43	ug/kg	
75-25-2	Bromoform	ND	5.0	1.4	ug/kg	
74-83-9	Bromomethane	ND	5.0	0.76	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/kg	
75-15-0	Carbon disulfide	ND	2.0	0.54	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	0.62	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	0.46	ug/kg	
75-00-3	Chloroethane	ND	5.0	0.59	ug/kg	
67-66-3	Chloroform	ND	2.0	1.0	ug/kg	
74-87-3	Chloromethane	ND	5.0	2.0	ug/kg	
110-82-7	Cyclohexane	ND	2.0	0.66	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	0.56	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.0	0.42	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.55	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.49	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.73	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.0	0.47	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.0	0.66	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.84	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.61	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	0.47	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.48	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.46	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.45	ug/kg	
76-13-1	Freon 113	ND	5.0	2.7	ug/kg	
591-78-6	2-Hexanone	ND	5.0	2.1	ug/kg	
98-82-8	Isopropylbenzene	ND	2.0	1.4	ug/kg	
79-20-9	Methyl Acetate	ND	5.0	1.4	ug/kg	
108-87-2	Methylcyclohexane	ND	2.0	0.88	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.47	ug/kg	

Method Blank Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3C8319-MB	3C191295.D	1	12/02/24	PS	n/a	n/a	V3C8319

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE1534-1, JE1534-2

CAS No.	Compound	Result	RL	MDL	Units	Q
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	2.3	ug/kg	
75-09-2	Methylene chloride	ND	5.0	2.6	ug/kg	
100-42-5	Styrene	ND	2.0	0.40	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.60	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	0.58	ug/kg	
108-88-3	Toluene	ND	1.0	0.53	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.5	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.48	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.55	ug/kg	
79-01-6	Trichloroethene	ND	1.0	0.76	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	0.68	ug/kg	
75-01-4	Vinyl chloride	ND	2.0	0.48	ug/kg	
	m,p-Xylene	ND	1.0	0.90	ug/kg	
95-47-6	o-Xylene	ND	1.0	0.46	ug/kg	
1330-20-7	Xylene (total)	ND	1.0	0.46	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	93%	80-124%
17060-07-0	1,2-Dichloroethane-D4	98%	75-133%
2037-26-5	Toluene-D8	90%	79-125%
460-00-4	4-Bromofluorobenzene	86%	58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	.83	21	ug/kg	J
	Total TIC, Volatile		0	ug/kg	

Method Blank Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY9149-MB	Y211514.D	1	12/02/24	PS	n/a	n/a	VY9149

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE1534-3, JE1534-4, JE1534-5, JE1534-6, JE1534-7

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	4.1	ug/kg	
71-43-2	Benzene	ND	0.50	0.46	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	0.56	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	0.43	ug/kg	
75-25-2	Bromoform	ND	5.0	1.4	ug/kg	
74-83-9	Bromomethane	ND	5.0	0.76	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/kg	
75-15-0	Carbon disulfide	ND	2.0	0.54	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	0.62	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	0.46	ug/kg	
75-00-3	Chloroethane	ND	5.0	0.59	ug/kg	
67-66-3	Chloroform	ND	2.0	1.0	ug/kg	
74-87-3	Chloromethane	ND	5.0	2.0	ug/kg	
110-82-7	Cyclohexane	ND	2.0	0.66	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	0.56	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.0	0.42	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.55	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.49	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.73	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.0	0.47	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.0	0.66	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.84	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.61	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	0.47	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.48	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.46	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.45	ug/kg	
76-13-1	Freon 113	ND	5.0	2.7	ug/kg	
591-78-6	2-Hexanone	ND	5.0	2.1	ug/kg	
98-82-8	Isopropylbenzene	ND	2.0	1.4	ug/kg	
79-20-9	Methyl Acetate	ND	5.0	1.4	ug/kg	
108-87-2	Methylcyclohexane	ND	2.0	0.88	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.47	ug/kg	

Method Blank Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY9149-MB	Y211514.D	1	12/02/24	PS	n/a	n/a	VY9149

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE1534-3, JE1534-4, JE1534-5, JE1534-6, JE1534-7

CAS No.	Compound	Result	RL	MDL	Units	Q
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	2.3	ug/kg	
75-09-2	Methylene chloride	ND	5.0	2.6	ug/kg	
100-42-5	Styrene	ND	2.0	0.40	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.60	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	0.58	ug/kg	
108-88-3	Toluene	ND	1.0	0.53	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.5	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.48	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.55	ug/kg	
79-01-6	Trichloroethene	ND	1.0	0.76	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	0.68	ug/kg	
75-01-4	Vinyl chloride	ND	2.0	0.48	ug/kg	
	m,p-Xylene	ND	1.0	0.90	ug/kg	
95-47-6	o-Xylene	ND	1.0	0.46	ug/kg	
1330-20-7	Xylene (total)	ND	1.0	0.46	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	91%	80-124%
17060-07-0	1,2-Dichloroethane-D4	87%	75-133%
2037-26-5	Toluene-D8	93%	79-125%
460-00-4	4-Bromofluorobenzene	91%	58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

Blank Spike Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2S292-BS	2S011153.D	1	11/27/24	KA	n/a	n/a	V2S292

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE1534-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	200	245	123	27-175
71-43-2	Benzene	50	53.7	107	80-115
74-97-5	Bromochloromethane	50	53.2	106	83-122
75-27-4	Bromodichloromethane	50	57.9	116	82-119
75-25-2	Bromoform	50	61.7	123	77-135
74-83-9	Bromomethane	50	31.9	64	40-162
78-93-3	2-Butanone (MEK)	200	207	104	61-150
75-15-0	Carbon disulfide	50	40.8	82	64-130
56-23-5	Carbon tetrachloride	50	57.5	115	75-127
108-90-7	Chlorobenzene	50	52.4	105	80-115
75-00-3	Chloroethane	50	42.2	84	56-144
67-66-3	Chloroform	50	43.2	86	75-116
74-87-3	Chloromethane	50	44.4	89	41-153
110-82-7	Cyclohexane	50	47.2	94	66-129
96-12-8	1,2-Dibromo-3-chloropropane	50	55.1	110	69-134
124-48-1	Dibromochloromethane	50	57.9	116	81-123
106-93-4	1,2-Dibromoethane	50	55.6	111	67-138
95-50-1	1,2-Dichlorobenzene	50	52.5	105	81-117
541-73-1	1,3-Dichlorobenzene	50	55.2	110	81-115
106-46-7	1,4-Dichlorobenzene	50	53.1	106	80-114
75-71-8	Dichlorodifluoromethane	50	50.3	101	43-152
75-34-3	1,1-Dichloroethane	50	48.3	97	75-125
107-06-2	1,2-Dichloroethane	50	51.0	102	73-117
75-35-4	1,1-Dichloroethene	50	44.2	88	70-124
156-59-2	cis-1,2-Dichloroethene	50	49.5	99	80-120
156-60-5	trans-1,2-Dichloroethene	50	48.9	98	77-121
78-87-5	1,2-Dichloropropane	50	53.9	108	79-121
10061-01-5	cis-1,3-Dichloropropene	50	57.2	114	83-123
10061-02-6	trans-1,3-Dichloropropene	50	58.0	116	83-122
100-41-4	Ethylbenzene	50	51.3	103	78-116
76-13-1	Freon 113	50	48.6	97	68-134
591-78-6	2-Hexanone	200	224	112	66-136
98-82-8	Isopropylbenzene	50	55.0	110	78-121
79-20-9	Methyl Acetate	50	46.0	92	60-143
108-87-2	Methylcyclohexane	50	50.4	101	71-123
1634-04-4	Methyl Tert Butyl Ether	50	46.7	93	76-123

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2S292-BS	2S011153.D	1	11/27/24	KA	n/a	n/a	V2S292

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE1534-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	200	201	101	73-134
75-09-2	Methylene chloride	50	41.9	84	73-123
100-42-5	Styrene	50	55.1	110	81-125
79-34-5	1,1,2,2-Tetrachloroethane	50	54.7	109	73-126
127-18-4	Tetrachloroethene	50	59.0	118	73-119
108-88-3	Toluene	50	52.3	105	79-116
87-61-6	1,2,3-Trichlorobenzene	50	57.8	116	63-137
120-82-1	1,2,4-Trichlorobenzene	50	56.2	112	68-135
71-55-6	1,1,1-Trichloroethane	50	55.6	111	76-124
79-00-5	1,1,2-Trichloroethane	50	54.8	110	83-117
79-01-6	Trichloroethene	50	55.9	112	80-118
75-69-4	Trichlorofluoromethane	50	54.7	109	67-134
75-01-4	Vinyl chloride	50	43.2	86	52-146
	m,p-Xylene	100	106	106	79-119
95-47-6	o-Xylene	50	52.9	106	81-119
1330-20-7	Xylene (total)	150	159	106	80-119

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	97%	80-120%
17060-07-0	1,2-Dichloroethane-D4	108%	80-120%
2037-26-5	Toluene-D8	98%	80-120%
460-00-4	4-Bromofluorobenzene	94%	82-114%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3C8319-BS	3C191293.D	1	12/02/24	PS	n/a	n/a	V3C8319

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE1534-1, JE1534-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	200	176	88	52-156
71-43-2	Benzene	50	51.0	102	82-119
74-97-5	Bromochloromethane	50	51.5	103	82-123
75-27-4	Bromodichloromethane	50	52.0	104	83-121
75-25-2	Bromoform	50	55.6	111	74-138
74-83-9	Bromomethane	50	57.4	115	56-150
78-93-3	2-Butanone (MEK)	200	173	87	72-138
75-15-0	Carbon disulfide	50	43.2	86	67-131
56-23-5	Carbon tetrachloride	50	48.0	96	72-130
108-90-7	Chlorobenzene	50	47.8	96	83-114
75-00-3	Chloroethane	50	61.2	122	67-141
67-66-3	Chloroform	50	44.4	89	76-115
74-87-3	Chloromethane	50	52.6	105	57-141
110-82-7	Cyclohexane	50	45.8	92	69-130
96-12-8	1,2-Dibromo-3-chloropropane	50	48.1	96	72-131
124-48-1	Dibromochloromethane	50	54.3	109	80-128
106-93-4	1,2-Dibromoethane	50	47.3	95	58-145
95-50-1	1,2-Dichlorobenzene	50	49.6	99	83-117
541-73-1	1,3-Dichlorobenzene	50	49.6	99	82-114
106-46-7	1,4-Dichlorobenzene	50	48.4	97	79-114
75-71-8	Dichlorodifluoromethane	50	41.0	82	49-146
75-34-3	1,1-Dichloroethane	50	49.3	99	76-126
107-06-2	1,2-Dichloroethane	50	49.4	99	76-118
75-35-4	1,1-Dichloroethene	50	48.7	97	72-125
156-59-2	cis-1,2-Dichloroethene	50	47.2	94	80-118
156-60-5	trans-1,2-Dichloroethene	50	48.2	96	76-122
78-87-5	1,2-Dichloropropane	50	53.6	107	82-123
10061-01-5	cis-1,3-Dichloropropene	50	50.9	102	83-123
10061-02-6	trans-1,3-Dichloropropene	50	45.6	91	83-123
100-41-4	Ethylbenzene	50	46.2	92	83-115
76-13-1	Freon 113	50	51.1	102	65-132
591-78-6	2-Hexanone	200	195	98	73-138
98-82-8	Isopropylbenzene	50	46.0	92	81-122
79-20-9	Methyl Acetate	50	44.7	89	63-142
108-87-2	Methylcyclohexane	50	47.7	95	73-126
1634-04-4	Methyl Tert Butyl Ether	50	45.2	90	75-126

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3C8319-BS	3C191293.D	1	12/02/24	PS	n/a	n/a	V3C8319

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE1534-1, JE1534-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	200	190	95	71-138
75-09-2	Methylene chloride	50	43.9	88	73-122
100-42-5	Styrene	50	48.0	96	84-122
79-34-5	1,1,2,2-Tetrachloroethane	50	44.6	89	75-127
127-18-4	Tetrachloroethene	50	51.7	103	73-125
108-88-3	Toluene	50	46.5	93	82-118
87-61-6	1,2,3-Trichlorobenzene	50	52.1	104	68-132
120-82-1	1,2,4-Trichlorobenzene	50	52.8	106	72-133
71-55-6	1,1,1-Trichloroethane	50	47.6	95	77-124
79-00-5	1,1,2-Trichloroethane	50	46.2	92	83-122
79-01-6	Trichloroethene	50	51.4	103	80-122
75-69-4	Trichlorofluoromethane	50	50.2	100	69-132
75-01-4	Vinyl chloride	50	50.8	102	60-144
	m,p-Xylene	100	94.2	94	82-119
95-47-6	o-Xylene	50	44.4	89	84-120
1330-20-7	Xylene (total)	150	139	93	83-119

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	93%	80-124%
17060-07-0	1,2-Dichloroethane-D4	103%	75-133%
2037-26-5	Toluene-D8	89%	79-125%
460-00-4	4-Bromofluorobenzene	85%	58-148%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY9149-BS	Y211512.D	1	12/02/24	PS	n/a	n/a	VY9149

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE1534-3, JE1534-4, JE1534-5, JE1534-6, JE1534-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	200	135	68	52-156
71-43-2	Benzene	50	49.0	98	82-119
74-97-5	Bromochloromethane	50	48.9	98	82-123
75-27-4	Bromodichloromethane	50	48.3	97	83-121
75-25-2	Bromoform	50	44.6	89	74-138
74-83-9	Bromomethane	50	42.2	84	56-150
78-93-3	2-Butanone (MEK)	200	180	90	72-138
75-15-0	Carbon disulfide	50	51.3	103	67-131
56-23-5	Carbon tetrachloride	50	51.5	103	72-130
108-90-7	Chlorobenzene	50	43.1	86	83-114
75-00-3	Chloroethane	50	46.8	94	67-141
67-66-3	Chloroform	50	42.7	85	76-115
74-87-3	Chloromethane	50	43.6	87	57-141
110-82-7	Cyclohexane	50	50.7	101	69-130
96-12-8	1,2-Dibromo-3-chloropropane	50	44.4	89	72-131
124-48-1	Dibromochloromethane	50	48.7	97	80-128
106-93-4	1,2-Dibromoethane	50	45.7	91	58-145
95-50-1	1,2-Dichlorobenzene	50	47.2	94	83-117
541-73-1	1,3-Dichlorobenzene	50	46.7	93	82-114
106-46-7	1,4-Dichlorobenzene	50	45.4	91	79-114
75-71-8	Dichlorodifluoromethane	50	39.2	78	49-146
75-34-3	1,1-Dichloroethane	50	47.5	95	76-126
107-06-2	1,2-Dichloroethane	50	41.9	84	76-118
75-35-4	1,1-Dichloroethene	50	47.7	95	72-125
156-59-2	cis-1,2-Dichloroethene	50	50.5	101	80-118
156-60-5	trans-1,2-Dichloroethene	50	48.2	96	76-122
78-87-5	1,2-Dichloropropane	50	49.8	100	82-123
10061-01-5	cis-1,3-Dichloropropene	50	49.0	98	83-123
10061-02-6	trans-1,3-Dichloropropene	50	46.2	92	83-123
100-41-4	Ethylbenzene	50	43.2	86	83-115
76-13-1	Freon 113	50	53.2	106	65-132
591-78-6	2-Hexanone	200	161	81	73-138
98-82-8	Isopropylbenzene	50	45.3	91	81-122
79-20-9	Methyl Acetate	50	47.6	95	63-142
108-87-2	Methylcyclohexane	50	49.1	98	73-126
1634-04-4	Methyl Tert Butyl Ether	50	48.1	96	75-126

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY9149-BS	Y211512.D	1	12/02/24	PS	n/a	n/a	VY9149

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE1534-3, JE1534-4, JE1534-5, JE1534-6, JE1534-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	200	176	88	71-138
75-09-2	Methylene chloride	50	42.6	85	73-122
100-42-5	Styrene	50	44.9	90	84-122
79-34-5	1,1,2,2-Tetrachloroethane	50	40.4	81	75-127
127-18-4	Tetrachloroethene	50	46.5	93	73-125
108-88-3	Toluene	50	45.6	91	82-118
87-61-6	1,2,3-Trichlorobenzene	50	44.6	89	68-132
120-82-1	1,2,4-Trichlorobenzene	50	43.7	87	72-133
71-55-6	1,1,1-Trichloroethane	50	49.9	100	77-124
79-00-5	1,1,2-Trichloroethane	50	44.0	88	83-122
79-01-6	Trichloroethene	50	50.1	100	80-122
75-69-4	Trichlorofluoromethane	50	41.3	83	69-132
75-01-4	Vinyl chloride	50	42.3	85	60-144
	m,p-Xylene	100	88.2	88	82-119
95-47-6	o-Xylene	50	44.2	88	84-120
1330-20-7	Xylene (total)	150	132	88	83-119

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	95%	80-124%
17060-07-0	1,2-Dichloroethane-D4	84%	75-133%
2037-26-5	Toluene-D8	91%	79-125%
460-00-4	4-Bromofluorobenzene	92%	58-148%

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE1347-17MS	2S011163.D	1	11/27/24	KA	n/a	n/a	V2S292
JE1347-17	2S011160.D	1	11/27/24	KA	n/a	n/a	V2S292

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE1534-8

CAS No.	Compound	JE1347-17 ug/l	Q	Spike ug/l	MS ug/l	MS %	Limits
67-64-1	Acetone	ND		200	237	119	22-134
71-43-2	Benzene	ND		50	51.6	103	49-137
74-97-5	Bromochloromethane	ND		50	49.2	98	78-122
75-27-4	Bromodichloromethane	ND		50	53.3	107	76-121
75-25-2	Bromoform	ND		50	59.9	120	70-133
74-83-9	Bromomethane	ND		50	24.8	50	27-164
78-93-3	2-Butanone (MEK)	ND		200	212	106	52-137
75-15-0	Carbon disulfide	ND		50	28.6	57	54-136
56-23-5	Carbon tetrachloride	ND		50	55.0	110	70-132
108-90-7	Chlorobenzene	ND		50	52.2	104	68-123
75-00-3	Chloroethane	ND		50	47.4	95	48-152
67-66-3	Chloroform	ND		50	39.3	79	68-120
74-87-3	Chloromethane	ND		50	47.5	95	35-156
110-82-7	Cyclohexane	1.0	J	50	54.3	107	53-146
96-12-8	1,2-Dibromo-3-chloropropane	ND		50	61.1	122	63-134
124-48-1	Dibromochloromethane	ND		50	54.3	109	75-122
106-93-4	1,2-Dibromoethane	ND		50	53.1	106	63-134
95-50-1	1,2-Dichlorobenzene	ND		50	50.1	100	74-119
541-73-1	1,3-Dichlorobenzene	ND		50	51.6	103	75-117
106-46-7	1,4-Dichlorobenzene	ND		50	49.8	100	72-117
75-71-8	Dichlorodifluoromethane	ND		50	58.8	118	34-163
75-34-3	1,1-Dichloroethane	ND		50	44.7	89	68-129
107-06-2	1,2-Dichloroethane	ND		50	45.3	91	66-120
75-35-4	1,1-Dichloroethene	ND		50	35.4	71	59-133
156-59-2	cis-1,2-Dichloroethene	ND		50	47.1	94	52-140
156-60-5	trans-1,2-Dichloroethene	ND		50	45.2	90	70-125
78-87-5	1,2-Dichloropropane	ND		50	49.9	100	73-124
10061-01-5	cis-1,3-Dichloropropene	ND		50	53.2	106	75-125
10061-02-6	trans-1,3-Dichloropropene	ND		50	54.6	109	75-122
100-41-4	Ethylbenzene	ND		50	50.3	101	37-144
76-13-1	Freon 113	ND		50	42.4	85	61-142
591-78-6	2-Hexanone	ND		200	243	122	56-132
98-82-8	Isopropylbenzene	1.6		50	54.5	106	71-126
79-20-9	Methyl Acetate	ND		50	44.1	88	51-139
108-87-2	Methylcyclohexane	2.2	J	50	47.3	90	59-137
1634-04-4	Methyl Tert Butyl Ether	ND		50	43.1	86	66-124

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE1347-17MS	2S011163.D	1	11/27/24	KA	n/a	n/a	V2S292
JE1347-17	2S011160.D	1	11/27/24	KA	n/a	n/a	V2S292

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE1534-8

CAS No.	Compound	JE1347-17 ug/l	Q	Spike ug/l	MS ug/l	MS %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		200	198	99	65-135
75-09-2	Methylene chloride	ND		50	38.4	77	66-125
100-42-5	Styrene	ND		50	53.0	106	71-133
79-34-5	1,1,2,2-Tetrachloroethane	ND		50	56.6	113	68-127
127-18-4	Tetrachloroethene	ND		50	58.5	117	58-132
108-88-3	Toluene	ND		50	51.9	104	46-139
87-61-6	1,2,3-Trichlorobenzene	ND		50	53.8	108	57-136
120-82-1	1,2,4-Trichlorobenzene	ND		50	51.5	103	61-137
71-55-6	1,1,1-Trichloroethane	ND		50	53.0	106	67-132
79-00-5	1,1,2-Trichloroethane	ND		50	52.2	104	75-120
79-01-6	Trichloroethene	ND		50	54.2	108	56-136
75-69-4	Trichlorofluoromethane	ND		50	61.6	123	61-145
75-01-4	Vinyl chloride	ND		50	50.0	100	41-156
	m,p-Xylene	ND		100	102	102	32-151
95-47-6	o-Xylene	ND		50	52.0	104	50-139
1330-20-7	Xylene (total)	ND		150	154	103	38-147

CAS No.	Surrogate Recoveries	MS	JE1347-17	Limits
1868-53-7	Dibromofluoromethane	95%	96%	80-120%
17060-07-0	1,2-Dichloroethane-D4	92%	99%	80-120%
2037-26-5	Toluene-D8	100%	98%	80-120%
460-00-4	4-Bromofluorobenzene	97%	96%	82-114%

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE1537-1MS	3C191302.D	1	12/02/24	PS	n/a	n/a	V3C8319
JE1537-1	3C191296.D	1	12/02/24	PS	n/a	n/a	V3C8319

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE1534-1, JE1534-2

CAS No.	Compound	JE1537-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Limits
67-64-1	Acetone	32.9		195	151	61	10-170
71-43-2	Benzene	ND		48.7	44.0	90	61-132
74-97-5	Bromochloromethane	ND		48.7	42.8	88	68-126
75-27-4	Bromodichloromethane	ND		48.7	42.7	88	65-129
75-25-2	Bromoform	ND		48.7	41.4	85	52-136
74-83-9	Bromomethane	ND		48.7	48.5	100	23-158
78-93-3	2-Butanone (MEK)	ND		195	137	70	45-142
75-15-0	Carbon disulfide	ND		48.7	33.8	69	50-140
56-23-5	Carbon tetrachloride	ND		48.7	41.1	84	54-139
108-90-7	Chlorobenzene	ND		48.7	39.9	82	57-127
75-00-3	Chloroethane	ND		48.7	54.7	112	30-157
67-66-3	Chloroform	ND		48.7	39.2	81	59-127
74-87-3	Chloromethane	ND		48.7	48.6	100	49-145
110-82-7	Cyclohexane	ND		48.7	39.3	81	39-147
96-12-8	1,2-Dibromo-3-chloropropane	ND		48.7	34.0	70	35-140
124-48-1	Dibromochloromethane	ND		48.7	43.3	89	63-129
106-93-4	1,2-Dibromoethane	ND		48.7	37.5	77	45-141
95-50-1	1,2-Dichlorobenzene	ND		48.7	38.4	79	38-136
541-73-1	1,3-Dichlorobenzene	ND		48.7	38.4	79	37-135
106-46-7	1,4-Dichlorobenzene	ND		48.7	37.3	77	36-134
75-71-8	Dichlorodifluoromethane	ND		48.7	40.7	84	33-152
75-34-3	1,1-Dichloroethane	ND		48.7	42.8	88	68-131
107-06-2	1,2-Dichloroethane	ND		48.7	41.3	85	64-119
75-35-4	1,1-Dichloroethene	ND		48.7	40.8	84	60-133
156-59-2	cis-1,2-Dichloroethene	ND		48.7	40.2	83	58-133
156-60-5	trans-1,2-Dichloroethene	ND		48.7	40.4	83	62-130
78-87-5	1,2-Dichloropropane	ND		48.7	45.6	94	70-127
10061-01-5	cis-1,3-Dichloropropene	ND		48.7	30.6	63* [a]	64-126
10061-02-6	trans-1,3-Dichloropropene	ND		48.7	26.3	54* [a]	61-127
100-41-4	Ethylbenzene	ND		48.7	39.3	81	51-133
76-13-1	Freon 113	ND		48.7	41.6	85	46-138
591-78-6	2-Hexanone	ND		195	144	74	45-144
98-82-8	Isopropylbenzene	ND		48.7	38.2	78	44-142
79-20-9	Methyl Acetate	3.6		48.7	32.1	59	14-192
108-87-2	Methylcyclohexane	ND		48.7	36.0	74	27-149
1634-04-4	Methyl Tert Butyl Ether	ND		48.7	37.4	77	62-125

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE1537-1MS	3C191302.D	1	12/02/24	PS	n/a	n/a	V3C8319
JE1537-1	3C191296.D	1	12/02/24	PS	n/a	n/a	V3C8319

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE1534-1, JE1534-2

CAS No.	Compound	JE1537-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		195	143	73	50-138
75-09-2	Methylene chloride	ND		48.7	37.3	77	63-127
100-42-5	Styrene	ND		48.7	39.8	82	48-143
79-34-5	1,1,2,2-Tetrachloroethane	ND		48.7	19.8	41* [a]	44-135
127-18-4	Tetrachloroethene	ND		48.7	42.4	87	38-146
108-88-3	Toluene	ND		48.7	39.8	82	56-135
87-61-6	1,2,3-Trichlorobenzene	ND		48.7	35.1	72	10-153
120-82-1	1,2,4-Trichlorobenzene	ND		48.7	35.7	73	10-158
71-55-6	1,1,1-Trichloroethane	ND		48.7	41.5	85	61-134
79-00-5	1,1,2-Trichloroethane	ND		48.7	37.0	76	62-133
79-01-6	Trichloroethene	ND		48.7	58.5	120	52-144
75-69-4	Trichlorofluoromethane	ND		48.7	46.8	96	50-141
75-01-4	Vinyl chloride	ND		48.7	48.0	99	48-151
	m,p-Xylene	ND		97.4	78.4	81	51-135
95-47-6	o-Xylene	ND		48.7	37.8	78	52-137
1330-20-7	Xylene (total)	ND		146	116	79	50-138

CAS No.	Surrogate Recoveries	MS	JE1537-1	Limits
1868-53-7	Dibromofluoromethane	94%	95%	80-124%
17060-07-0	1,2-Dichloroethane-D4	95%	102%	75-133%
2037-26-5	Toluene-D8	90%	89%	79-125%
460-00-4	4-Bromofluorobenzene	86%	87%	58-148%

(a) Outside control limits due to matrix interference.

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE1503-2MS	Y211521.D	1	12/02/24	PS	n/a	n/a	VY9149
JE1503-2	Y211515.D	1	12/02/24	PS	n/a	n/a	VY9149

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE1534-3, JE1534-4, JE1534-5, JE1534-6, JE1534-7

CAS No.	Compound	JE1503-2 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Limits
67-64-1	Acetone	ND		222	105	47	10-170
71-43-2	Benzene	ND		55.4	51.4	93	61-132
74-97-5	Bromochloromethane	ND		55.4	52.8	95	68-126
75-27-4	Bromodichloromethane	ND		55.4	50.9	92	65-129
75-25-2	Bromoform	ND		55.4	44.5	80	52-136
74-83-9	Bromomethane	ND		55.4	44.7	81	23-158
78-93-3	2-Butanone (MEK)	ND		222	147	66	45-142
75-15-0	Carbon disulfide	ND		55.4	53.3	96	50-140
56-23-5	Carbon tetrachloride	ND		55.4	53.1	96	54-139
108-90-7	Chlorobenzene	ND		55.4	45.4	82	57-127
75-00-3	Chloroethane	ND		55.4	51.2	92	30-157
67-66-3	Chloroform	ND		55.4	46.4	84	59-127
74-87-3	Chloromethane	ND		55.4	48.2	87	49-145
110-82-7	Cyclohexane	ND		55.4	53.0	96	39-147
96-12-8	1,2-Dibromo-3-chloropropane	ND		55.4	38.9	70	35-140
124-48-1	Dibromochloromethane	ND		55.4	51.0	92	63-129
106-93-4	1,2-Dibromoethane	ND		55.4	47.3	85	45-141
95-50-1	1,2-Dichlorobenzene	ND		55.4	50.2	91	38-136
541-73-1	1,3-Dichlorobenzene	ND		55.4	48.9	88	37-135
106-46-7	1,4-Dichlorobenzene	ND		55.4	47.6	86	36-134
75-71-8	Dichlorodifluoromethane	ND		55.4	45.9	83	33-152
75-34-3	1,1-Dichloroethane	ND		55.4	50.5	91	68-131
107-06-2	1,2-Dichloroethane	ND		55.4	43.9	79	64-119
75-35-4	1,1-Dichloroethene	ND		55.4	52.7	95	60-133
156-59-2	cis-1,2-Dichloroethene	ND		55.4	54.6	98	58-133
156-60-5	trans-1,2-Dichloroethene	ND		55.4	50.7	91	62-130
78-87-5	1,2-Dichloropropane	ND		55.4	53.3	96	70-127
10061-01-5	cis-1,3-Dichloropropene	ND		55.4	39.6	71	64-126
10061-02-6	trans-1,3-Dichloropropene	ND		55.4	37.8	68	61-127
100-41-4	Ethylbenzene	ND		55.4	45.0	81	51-133
76-13-1	Freon 113	ND		55.4	52.4	95	46-138
591-78-6	2-Hexanone	ND		222	139	63	45-144
98-82-8	Isopropylbenzene	ND		55.4	47.0	85	44-142
79-20-9	Methyl Acetate	ND		55.4	43.6	79	14-192
108-87-2	Methylcyclohexane	ND		55.4	45.4	82	27-149
1634-04-4	Methyl Tert Butyl Ether	ND		55.4	49.9	90	62-125

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE1503-2MS	Y211521.D	1	12/02/24	PS	n/a	n/a	VY9149
JE1503-2	Y211515.D	1	12/02/24	PS	n/a	n/a	VY9149

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE1534-3, JE1534-4, JE1534-5, JE1534-6, JE1534-7

CAS No.	Compound	JE1503-2 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		222	157	71	50-138
75-09-2	Methylene chloride	ND		55.4	46.3	84	63-127
100-42-5	Styrene	ND		55.4	47.4	86	48-143
79-34-5	1,1,2,2-Tetrachloroethane	ND		55.4	38.1	69	44-135
127-18-4	Tetrachloroethene	ND		55.4	46.5	84	38-146
108-88-3	Toluene	ND		55.4	47.8	86	56-135
87-61-6	1,2,3-Trichlorobenzene	ND		55.4	47.1	85	10-153
120-82-1	1,2,4-Trichlorobenzene	ND		55.4	47.1	85	10-158
71-55-6	1,1,1-Trichloroethane	ND		55.4	52.1	94	61-134
79-00-5	1,1,2-Trichloroethane	ND		55.4	46.7	84	62-133
79-01-6	Trichloroethene	ND		55.4	52.3	94	52-144
75-69-4	Trichlorofluoromethane	ND		55.4	44.6	80	50-141
75-01-4	Vinyl chloride	ND		55.4	48.0	87	48-151
	m,p-Xylene	ND		111	91.4	82	51-135
95-47-6	o-Xylene	ND		55.4	46.5	84	52-137
1330-20-7	Xylene (total)	ND		166	138	83	50-138

CAS No.	Surrogate Recoveries	MS	JE1503-2	Limits
1868-53-7	Dibromofluoromethane	95%	97%	80-124%
17060-07-0	1,2-Dichloroethane-D4	81%	94%	75-133%
2037-26-5	Toluene-D8	92%	92%	79-125%
460-00-4	4-Bromofluorobenzene	92%	91%	58-148%

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE1347-15DUP	2S011165.D	1	11/27/24	KA	n/a	n/a	V2S292
JE1347-15	2S011159.D	1	11/27/24	KA	n/a	n/a	V2S292

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE1534-8

CAS No.	Compound	JE1347-15 ug/l	Q	DUP ug/l	Q	RPD	Limits
67-64-1	Acetone	ND		ND		nc	23
71-43-2	Benzene	ND		ND		nc	14
74-97-5	Bromochloromethane	ND		ND		nc	20
75-27-4	Bromodichloromethane	ND		ND		nc	10
75-25-2	Bromoform	ND		ND		nc	10
74-83-9	Bromomethane	ND		ND		nc	10
78-93-3	2-Butanone (MEK)	ND		ND		nc	10
75-15-0	Carbon disulfide	ND		ND		nc	10
56-23-5	Carbon tetrachloride	ND		ND		nc	10
108-90-7	Chlorobenzene	ND		ND		nc	10
75-00-3	Chloroethane	ND		ND		nc	10
67-66-3	Chloroform	ND		ND		nc	10
74-87-3	Chloromethane	ND		ND		nc	10
110-82-7	Cyclohexane	ND		ND		nc	14
96-12-8	1,2-Dibromo-3-chloropropane	ND		ND		nc	20
124-48-1	Dibromochloromethane	ND		ND		nc	10
106-93-4	1,2-Dibromoethane	ND		ND		nc	20
95-50-1	1,2-Dichlorobenzene	ND		ND		nc	10
541-73-1	1,3-Dichlorobenzene	ND		ND		nc	10
106-46-7	1,4-Dichlorobenzene	ND		ND		nc	10
75-71-8	Dichlorodifluoromethane	ND		ND		nc	20
75-34-3	1,1-Dichloroethane	ND		ND		nc	10
107-06-2	1,2-Dichloroethane	ND		ND		nc	10
75-35-4	1,1-Dichloroethene	ND		ND		nc	15
156-59-2	cis-1,2-Dichloroethene	ND		ND		nc	10
156-60-5	trans-1,2-Dichloroethene	ND		ND		nc	10
78-87-5	1,2-Dichloropropane	ND		ND		nc	20
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	20
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	20
100-41-4	Ethylbenzene	ND		ND		nc	20
76-13-1	Freon 113	ND		ND		nc	10
591-78-6	2-Hexanone	ND		ND		nc	10
98-82-8	Isopropylbenzene	ND		ND		nc	15
79-20-9	Methyl Acetate	ND		ND		nc	20
108-87-2	Methylcyclohexane	ND		ND		nc	20
1634-04-4	Methyl Tert Butyl Ether	ND		ND		nc	12

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE1347-15DUP	2S011165.D	1	11/27/24	KA	n/a	n/a	V2S292
JE1347-15	2S011159.D	1	11/27/24	KA	n/a	n/a	V2S292

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE1534-8

CAS No.	Compound	JE1347-15 ug/l	Q	DUP ug/l	Q	RPD	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		ND		nc	10
75-09-2	Methylene chloride	ND		ND		nc	10
100-42-5	Styrene	ND		ND		nc	20
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	10
127-18-4	Tetrachloroethene	ND		ND		nc	10
108-88-3	Toluene	ND		ND		nc	16
87-61-6	1,2,3-Trichlorobenzene	ND		ND		nc	10
120-82-1	1,2,4-Trichlorobenzene	ND		ND		nc	10
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	10
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	10
79-01-6	Trichloroethene	ND		ND		nc	14
75-69-4	Trichlorofluoromethane	ND		ND		nc	10
75-01-4	Vinyl chloride	ND		ND		nc	10
	m,p-Xylene	ND		ND		nc	18
95-47-6	o-Xylene	ND		ND		nc	18
1330-20-7	Xylene (total)	ND		ND		nc	22

CAS No.	Surrogate Recoveries	DUP	JE1347-15	Limits
1868-53-7	Dibromofluoromethane	101%	103%	80-120%
17060-07-0	1,2-Dichloroethane-D4	96%	102%	80-120%
2037-26-5	Toluene-D8	95%	95%	80-120%
460-00-4	4-Bromofluorobenzene	92%	93%	82-114%

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE1537-8DUP	3C191304.D	1	12/02/24	PS	n/a	n/a	V3C8319
JE1537-8	3C191297.D	1	12/02/24	PS	n/a	n/a	V3C8319

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE1534-1, JE1534-2

CAS No.	Compound	JE1537-8 ug/kg	Q	DUP ug/kg	Q	RPD	Limits
67-64-1	Acetone	81.1		63.1		25	50
71-43-2	Benzene	ND		ND		nc	44
74-97-5	Bromochloromethane	ND		ND		nc	30
75-27-4	Bromodichloromethane	ND		ND		nc	22
75-25-2	Bromoform	ND		ND		nc	30
74-83-9	Bromomethane	ND		ND		nc	10
78-93-3	2-Butanone (MEK)	5.0		3.0	J	50* [a]	15
75-15-0	Carbon disulfide	ND		ND		nc	43
56-23-5	Carbon tetrachloride	ND		ND		nc	38
108-90-7	Chlorobenzene	ND		ND		nc	11
75-00-3	Chloroethane	ND		ND		nc	10
67-66-3	Chloroform	ND		ND		nc	14
74-87-3	Chloromethane	ND		ND		nc	30
110-82-7	Cyclohexane	ND		ND		nc	44
96-12-8	1,2-Dibromo-3-chloropropane	ND		ND		nc	30
124-48-1	Dibromochloromethane	ND		ND		nc	10
106-93-4	1,2-Dibromoethane	ND		ND		nc	30
95-50-1	1,2-Dichlorobenzene	ND		ND		nc	10
541-73-1	1,3-Dichlorobenzene	ND		ND		nc	30
106-46-7	1,4-Dichlorobenzene	ND		ND		nc	10
75-71-8	Dichlorodifluoromethane	ND		ND		nc	30
75-34-3	1,1-Dichloroethane	ND		ND		nc	25
107-06-2	1,2-Dichloroethane	ND		ND		nc	10
75-35-4	1,1-Dichloroethene	ND		ND		nc	10
156-59-2	cis-1,2-Dichloroethene	ND		ND		nc	36
156-60-5	trans-1,2-Dichloroethene	ND		ND		nc	14
78-87-5	1,2-Dichloropropane	ND		ND		nc	30
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	30
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	30
100-41-4	Ethylbenzene	ND		ND		nc	35
76-13-1	Freon 113	ND		ND		nc	10
591-78-6	2-Hexanone	ND		ND		nc	10
98-82-8	Isopropylbenzene	ND		ND		nc	28
79-20-9	Methyl Acetate	6.6		4.7	J	34	37
108-87-2	Methylcyclohexane	ND		ND		nc	43
1634-04-4	Methyl Tert Butyl Ether	ND		ND		nc	21

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE1537-8DUP	3C191304.D	1	12/02/24	PS	n/a	n/a	V3C8319
JE1537-8	3C191297.D	1	12/02/24	PS	n/a	n/a	V3C8319

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE1534-1, JE1534-2

CAS No.	Compound	JE1537-8 ug/kg	Q	DUP ug/kg	Q	RPD	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		ND		nc	10
75-09-2	Methylene chloride	ND		ND		nc	10
100-42-5	Styrene	ND		ND		nc	10
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	10
127-18-4	Tetrachloroethene	ND		ND		nc	43
108-88-3	Toluene	ND		ND		nc	37
87-61-6	1,2,3-Trichlorobenzene	ND		ND		nc	30
120-82-1	1,2,4-Trichlorobenzene	ND		ND		nc	10
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	21
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	10
79-01-6	Trichloroethene	ND		ND		nc	44
75-69-4	Trichlorofluoromethane	ND		ND		nc	30
75-01-4	Vinyl chloride	ND		ND		nc	22
	m,p-Xylene	ND		ND		nc	44
95-47-6	o-Xylene	ND		ND		nc	45
1330-20-7	Xylene (total)	ND		ND		nc	60

CAS No.	Surrogate Recoveries	DUP	JE1537-8	Limits
1868-53-7	Dibromofluoromethane	93%	94%	80-124%
17060-07-0	1,2-Dichloroethane-D4	102%	102%	75-133%
2037-26-5	Toluene-D8	89%	89%	79-125%
460-00-4	4-Bromofluorobenzene	88%	86%	58-148%

(a) RPD acceptable due to low DUP and sample concentrations.

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE1503-4DUP	Y211523.D	1	12/02/24	PS	n/a	n/a	VY9149
JE1503-4	Y211516.D	1	12/02/24	PS	n/a	n/a	VY9149

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE1534-3, JE1534-4, JE1534-5, JE1534-6, JE1534-7

CAS No.	Compound	JE1503-4 ug/kg	Q	DUP ug/kg	Q	RPD	Limits
67-64-1	Acetone	3.7	J	3.1	J	18	50
71-43-2	Benzene	ND		ND		nc	44
74-97-5	Bromochloromethane	ND		ND		nc	30
75-27-4	Bromodichloromethane	ND		ND		nc	22
75-25-2	Bromoform	ND		ND		nc	30
74-83-9	Bromomethane	ND		ND		nc	10
78-93-3	2-Butanone (MEK)	ND		ND		nc	15
75-15-0	Carbon disulfide	ND		ND		nc	43
56-23-5	Carbon tetrachloride	ND		ND		nc	38
108-90-7	Chlorobenzene	ND		ND		nc	11
75-00-3	Chloroethane	ND		ND		nc	10
67-66-3	Chloroform	ND		ND		nc	14
74-87-3	Chloromethane	ND		ND		nc	30
110-82-7	Cyclohexane	ND		ND		nc	44
96-12-8	1,2-Dibromo-3-chloropropane	ND		ND		nc	30
124-48-1	Dibromochloromethane	ND		ND		nc	10
106-93-4	1,2-Dibromoethane	ND		ND		nc	30
95-50-1	1,2-Dichlorobenzene	ND		ND		nc	10
541-73-1	1,3-Dichlorobenzene	ND		ND		nc	30
106-46-7	1,4-Dichlorobenzene	ND		ND		nc	10
75-71-8	Dichlorodifluoromethane	ND		ND		nc	30
75-34-3	1,1-Dichloroethane	ND		ND		nc	25
107-06-2	1,2-Dichloroethane	ND		ND		nc	10
75-35-4	1,1-Dichloroethene	ND		ND		nc	10
156-59-2	cis-1,2-Dichloroethene	ND		ND		nc	36
156-60-5	trans-1,2-Dichloroethene	ND		ND		nc	14
78-87-5	1,2-Dichloropropane	ND		ND		nc	30
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	30
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	30
100-41-4	Ethylbenzene	ND		ND		nc	35
76-13-1	Freon 113	ND		ND		nc	10
591-78-6	2-Hexanone	ND		ND		nc	10
98-82-8	Isopropylbenzene	ND		ND		nc	28
79-20-9	Methyl Acetate	ND		ND		nc	37
108-87-2	Methylcyclohexane	ND		ND		nc	43
1634-04-4	Methyl Tert Butyl Ether	ND		ND		nc	21

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE1503-4DUP	Y211523.D	1	12/02/24	PS	n/a	n/a	VY9149
JE1503-4	Y211516.D	1	12/02/24	PS	n/a	n/a	VY9149

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE1534-3, JE1534-4, JE1534-5, JE1534-6, JE1534-7

CAS No.	Compound	JE1503-4 ug/kg	Q	DUP ug/kg	Q	RPD	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		ND		nc	10
75-09-2	Methylene chloride	ND		ND		nc	10
100-42-5	Styrene	ND		ND		nc	10
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	10
127-18-4	Tetrachloroethene	ND		ND		nc	43
108-88-3	Toluene	ND		ND		nc	37
87-61-6	1,2,3-Trichlorobenzene	ND		ND		nc	30
120-82-1	1,2,4-Trichlorobenzene	ND		ND		nc	10
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	21
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	10
79-01-6	Trichloroethene	ND		ND		nc	44
75-69-4	Trichlorofluoromethane	ND		ND		nc	30
75-01-4	Vinyl chloride	ND		ND		nc	22
	m,p-Xylene	ND		ND		nc	44
95-47-6	o-Xylene	ND		ND		nc	45
1330-20-7	Xylene (total)	ND		ND		nc	60

CAS No.	Surrogate Recoveries	DUP	JE1503-4	Limits
1868-53-7	Dibromofluoromethane	101%	97%	80-124%
17060-07-0	1,2-Dichloroethane-D4	95%	94%	75-133%
2037-26-5	Toluene-D8	94%	93%	79-125%
460-00-4	4-Bromofluorobenzene	93%	91%	58-148%

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	V2S228-BFB	**Injection Date:**	09/30/24
Lab File ID:	2S009366.D	**Injection Time:**	16:01
Instrument ID:	GCMS2S		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	38040	20.4		Pass
75	30.0 - 60.0% of mass 95	88811	47.7		Pass
95	Base peak, 100% relative abundance	186325	100.0		Pass
96	5.0 - 9.0% of mass 95	12371	6.64		Pass
173	Less than 2.0% of mass 174	1001	0.54	(0.69) [a]	Pass
174	50.0 - 120.0% of mass 95	145648	78.2		Pass
175	5.0 - 9.0% of mass 174	10446	5.61	(7.17) [a]	Pass
176	95.0 - 101.0% of mass 174	140048	75.2	(96.2) [a]	Pass
177	5.0 - 9.0% of mass 176	9352	5.02	(6.68) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2S228-IC228	2S009368.D	09/30/24	16:40	00:39	Initial cal 0.2
V2S228-IC228	2S009370.D	09/30/24	17:06	01:05	Initial cal 0.5
V2S228-IC228	2S009372.D	09/30/24	17:32	01:31	Initial cal 1
V2S228-IC228	2S009374.D	09/30/24	17:57	01:56	Initial cal 2
V2S228-IC228	2S009376.D	09/30/24	18:23	02:22	Initial cal 4
V2S228-IC228	2S009378.D	09/30/24	18:49	02:48	Initial cal 8
V2S228-IC228	2S009380.D	09/30/24	19:15	03:14	Initial cal 20
V2S228-ICC228	2S009382.D	09/30/24	19:41	03:40	Initial cal 50
V2S228-IC228	2S009384.D	09/30/24	20:07	04:06	Initial cal 100
V2S228-IC228	2S009386.D	09/30/24	20:33	04:32	Initial cal 200
V2S228-ICV228	2S009392.D	09/30/24	21:50	05:49	Initial cal verification 50
V2S228-ICV228	2S009394.D	09/30/24	22:16	06:15	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	V2S228-BFB2	**Injection Date:**	10/01/24
Lab File ID:	2S009398.D	**Injection Time:**	15:24
Instrument ID:	GCMS2S		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	38627	20.2		Pass
75	30.0 - 60.0% of mass 95	90099	47.1		Pass
95	Base peak, 100% relative abundance	191211	100.0		Pass
96	5.0 - 9.0% of mass 95	12617	6.60		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 150.0% of mass 95	149304	78.1		Pass
175	5.0 - 9.0% of mass 174	11143	5.83	(7.46) [a]	Pass
176	95.0 - 101.0% of mass 174	144176	75.4	(96.6) [a]	Pass
177	5.0 - 9.0% of mass 176	9411	4.92	(6.53) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2S228-ICV228	2S009400.D	10/01/24	16:08	00:44	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	V3C8247-BFB	**Injection Date:**	08/16/24
Lab File ID:	3C189350.D	**Injection Time:**	19:56
Instrument ID:	GCMS3C		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	51867	19.2		Pass
75	30.0 - 60.0% of mass 95	136923	50.6		Pass
95	Base peak, 100% relative abundance	270571	100.0		Pass
96	5.0 - 9.0% of mass 95	16947	6.26		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	192195	71.0		Pass
175	5.0 - 9.0% of mass 174	14478	5.35	(7.53) [a]	Pass
176	95.0 - 101.0% of mass 174	186491	68.9	(97.0) [a]	Pass
177	5.0 - 9.0% of mass 176	12779	4.72	(6.85) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3C8247-IC8247	3C189351.D	08/16/24	20:29	00:33	Initial cal 0.2
V3C8247-IC8247	3C189352.D	08/16/24	20:55	00:59	Initial cal 0.5
V3C8247-IC8247	3C189353.D	08/16/24	21:21	01:25	Initial cal 1
V3C8247-IC8247	3C189354.D	08/16/24	21:47	01:51	Initial cal 2
V3C8247-IC8247	3C189355.D	08/16/24	22:13	02:17	Initial cal 4
V3C8247-IC8247	3C189356.D	08/16/24	22:39	02:43	Initial cal 8
V3C8247-IC8247	3C189357.D	08/16/24	23:04	03:08	Initial cal 20
V3C8247-ICC8247	3C189358.D	08/16/24	23:30	03:34	Initial cal 50
V3C8247-IC8247	3C189359.D	08/16/24	23:56	04:00	Initial cal 100
V3C8247-IC8247	3C189360.D	08/17/24	00:22	04:26	Initial cal 200
V3C8247-ICV8247	3C189363.D	08/17/24	01:40	05:44	Initial cal verification 50
V3C8247-ICV8247	3C189364.D	08/17/24	02:06	06:10	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: VY9125-BFB
Lab File ID: Y210871.D
Instrument ID: GCMSY
Injection Date: 10/31/24
Injection Time: 22:00

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	44141	20.9		Pass
75	30.0 - 60.0% of mass 95	115077	54.4		Pass
95	Base peak, 100% relative abundance	211499	100.0		Pass
96	5.0 - 9.0% of mass 95	13378	6.33		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	188544	89.1		Pass
175	5.0 - 9.0% of mass 174	14950	7.07	(7.93) [a]	Pass
176	95.0 - 101.0% of mass 174	179691	85.0	(95.3) [a]	Pass
177	5.0 - 9.0% of mass 176	11421	5.40	(6.36) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VY9125-IC9125	Y210872.D	10/31/24	22:28	00:28	Initial cal 0.2
VY9125-IC9125	Y210873.D	10/31/24	22:50	00:50	Initial cal 0.5
VY9125-IC9125	Y210874.D	10/31/24	23:12	01:12	Initial cal 1
VY9125-IC9125	Y210875.D	10/31/24	23:34	01:34	Initial cal 2
VY9125-IC9125	Y210876.D	10/31/24	23:56	01:56	Initial cal 4
VY9125-IC9125	Y210877.D	11/01/24	00:18	02:18	Initial cal 8
VY9125-IC9125	Y210878.D	11/01/24	00:39	02:39	Initial cal 20
VY9125-ICC9125	Y210879.D	11/01/24	01:01	03:01	Initial cal 50
VY9125-IC9125	Y210880.D	11/01/24	01:23	03:23	Initial cal 100
VY9125-IC9125	Y210881.D	11/01/24	01:45	03:45	Initial cal 200
VY9125-ICV9125	Y210884.D	11/01/24	02:50	04:50	Initial cal verification 50
VY9125-ICV9125	Y210885.D	11/01/24	03:12	05:12	Initial cal verification 50
VY9126-CC9125	Y210889.D	11/01/24	13:52	15:52	Continuing cal 50
VY9126-BS	Y210890.D	11/01/24	14:33	16:33	Blank Spike
VY9126-BSD	Y210891.D	11/01/24	14:55	16:55	Blank Spike Duplicate
VY9126-MB	Y210893.D	11/01/24	15:55	17:55	Method Blank
ZZZZZZ	Y210894.D	11/01/24	16:17	18:17	(unrelated sample)
JD99286-2	Y210895.D	11/01/24	16:39	18:39	(used for QC only; not part of job JE1534)
JD99286-4	Y210896.D	11/01/24	17:01	19:01	(used for QC only; not part of job JE1534)
ZZZZZZ	Y210897.D	11/01/24	17:23	19:23	(unrelated sample)
ZZZZZZ	Y210898.D	11/01/24	17:44	19:44	(unrelated sample)
ZZZZZZ	Y210899.D	11/01/24	18:06	20:06	(unrelated sample)
ZZZZZZ	Y210900.D	11/01/24	18:28	20:28	(unrelated sample)
ZZZZZZ	Y210901.D	11/01/24	18:50	20:50	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	VY9125-BFB	**Injection Date:**	10/31/24
Lab File ID:	Y210871.D	**Injection Time:**	22:00
Instrument ID:	GCMSY		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	Y210902.D	11/01/24	19:12	21:12	(unrelated sample)
ZZZZZZ	Y210903.D	11/01/24	19:33	21:33	(unrelated sample)
JD99286-2MS	Y210904.D	11/01/24	19:55	21:55	Matrix Spike
JD99286-4DUP	Y210906.D	11/01/24	20:39	22:39	Duplicate
ZZZZZZ	Y210907.D	11/01/24	21:01	23:01	(unrelated sample)
ZZZZZZ	Y210908.D	11/01/24	21:23	23:23	(unrelated sample)
ZZZZZZ	Y210909.D	11/01/24	21:45	23:45	(unrelated sample)
ZZZZZZ	Y210910.D	11/01/24	22:06	24:06	(unrelated sample)
ZZZZZZ	Y210911.D	11/01/24	22:28	24:28	(unrelated sample)
ZZZZZZ	Y210912.D	11/01/24	22:50	24:50	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: VY9149-BFB
Lab File ID: Y211510.D
Instrument ID: GCMSY
Injection Date: 12/02/24
Injection Time: 14:25

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	33923	17.5		Pass
75	30.0 - 60.0% of mass 95	75981	39.1		Pass
95	Base peak, 100% relative abundance	194240	100.0		Pass
96	5.0 - 9.0% of mass 95	12141	6.25		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	189141	97.4		Pass
175	5.0 - 9.0% of mass 174	14886	7.66	(7.87) [a]	Pass
176	95.0 - 101.0% of mass 174	188864	97.2	(99.9) [a]	Pass
177	5.0 - 9.0% of mass 176	12539	6.46	(6.64) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VY9149-CC9125	Y211510.D	12/02/24	14:25	00:00	Continuing cal 50
VY9149-CC9125	Y211511.D	12/02/24	15:02	00:37	Continuing cal 2
VY9149-BS	Y211512.D	12/02/24	15:23	00:58	Blank Spike
VY9149-MB	Y211514.D	12/02/24	16:23	01:58	Method Blank
JE1503-2	Y211515.D	12/02/24	16:45	02:20	(used for QC only; not part of job JE1534)
JE1503-4	Y211516.D	12/02/24	17:07	02:42	(used for QC only; not part of job JE1534)
ZZZZZZ	Y211517.D	12/02/24	17:29	03:04	(unrelated sample)
ZZZZZZ	Y211518.D	12/02/24	17:50	03:25	(unrelated sample)
ZZZZZZ	Y211519.D	12/02/24	18:12	03:47	(unrelated sample)
ZZZZZZ	Y211520.D	12/02/24	18:34	04:09	(unrelated sample)
JE1503-2MS	Y211521.D	12/02/24	18:56	04:31	Matrix Spike
JE1503-4DUP	Y211523.D	12/02/24	19:39	05:14	Duplicate
ZZZZZZ	Y211524.D	12/02/24	20:01	05:36	(unrelated sample)
ZZZZZZ	Y211525.D	12/02/24	20:23	05:58	(unrelated sample)
ZZZZZZ	Y211526.D	12/02/24	20:44	06:19	(unrelated sample)
ZZZZZZ	Y211527.D	12/02/24	21:06	06:41	(unrelated sample)
ZZZZZZ	Y211528.D	12/02/24	21:28	07:03	(unrelated sample)
ZZZZZZ	Y211529.D	12/02/24	21:50	07:25	(unrelated sample)
ZZZZZZ	Y211530.D	12/02/24	22:11	07:46	(unrelated sample)
ZZZZZZ	Y211531.D	12/02/24	22:33	08:08	(unrelated sample)
ZZZZZZ	Y211532.D	12/02/24	22:55	08:30	(unrelated sample)
JE1534-3	Y211533.D	12/02/24	23:17	08:52	GRID-5
JE1534-4	Y211534.D	12/02/24	23:38	09:13	GRID-6
JE1534-5	Y211535.D	12/03/24	00:00	09:35	GRID-17

Instrument Performance Check (BFB)

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	VY9149-BFB	**Injection Date:**	12/02/24
Lab File ID:	Y211510.D	**Injection Time:**	14:25
Instrument ID:	GCMSY		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
JE1534-6	Y211536.D	12/03/24	00:22	09:57	GRID-19
JE1534-7	Y211537.D	12/03/24	00:44	10:19	GRID-25
ZZZZZZ	Y211538.D	12/03/24	01:05	10:40	(unrelated sample)
ZZZZZZ	Y211539.D	12/03/24	01:27	11:02	(unrelated sample)
VY9150-CC9125	Y211544.D	12/03/24	10:47	20:22	Continuing cal 50
VY9150-BS	Y211545.D	12/03/24	11:35	21:10	Blank Spike
VY9150-MB	Y211547.D	12/03/24	12:37	22:12	Method Blank
ZZZZZZ	Y211547A.D	12/03/24	12:37	22:12	(unrelated sample)
JE1709-1	Y211548.D	12/03/24	12:59	22:34	(used for QC only; not part of job JE1534)
JE1709-2	Y211549.D	12/03/24	13:21	22:56	(used for QC only; not part of job JE1534)
ZZZZZZ	Y211551.D	12/03/24	14:04	23:39	(unrelated sample)
ZZZZZZ	Y211552.D	12/03/24	14:26	24:01	(unrelated sample)
ZZZZZZ	Y211553.D	12/03/24	14:48	24:23	(unrelated sample)
ZZZZZZ	Y211554.D	12/03/24	15:09	24:44	(unrelated sample)

Internal Standard Area Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	V2S292-CC228	**Injection Date:**	11/27/24
Lab File ID:	2S011151.D	**Injection Time:**	10:36
Instrument ID:	GCMS2S	**Method:**	SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	145226	2.73	339700	4.62	606194	4.93	510186	6.51	291152	7.59
Upper Limit [a]	290452	3.23	679400	5.12	1212388	5.43	1020372	7.01	582304	8.09
Lower Limit [b]	72613	2.23	169850	4.12	303097	4.43	255093	6.01	145576	7.09

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
V2S292-BS	161502	2.74	335093	4.62	606473	4.93	519326	6.51	285796	7.59
V2S292-MB	124056	2.73	304061	4.62	560012	4.93	481359	6.51	276327	7.59
ZZZZZZ	111604	2.73	297635	4.62	546873	4.93	481361	6.51	268012	7.59
ZZZZZZ	128109	2.73	309620	4.62	556515	4.93	481039	6.51	279679	7.59
JE1347-15	131602	2.73	336598	4.62	620198	4.93	546813	6.51	309356	7.59
JE1347-17	128411	2.73	352405	4.62	613104	4.93	537282	6.51	297305	7.59
ZZZZZZ	148227	2.73	361809	4.62	664402	4.93	575153	6.51	330940	7.59
ZZZZZZ	147501	2.73	356192	4.62	651379	4.94	558530	6.51	319020	7.59
JE1347-17MS	187172	2.73	368792	4.61	674924	4.93	561412	6.51	299213	7.59
JE1347-15DUP	157295	2.73	389485	4.62	714647	4.93	617157	6.51	345364	7.59
JE1534-8	147070	2.73	387630	4.62	717024	4.93	614317	6.51	348243	7.59
ZZZZZZ	160812	2.73	374827	4.61	697618	4.93	600072	6.51	339952	7.59
ZZZZZZ	156768	2.73	374107	4.62	678472	4.93	586472	6.51	332584	7.59
ZZZZZZ	141591	2.73	363010	4.61	666847	4.93	572490	6.51	324380	7.59
ZZZZZZ	125115	2.73	349455	4.62	639257	4.93	540199	6.51	303258	7.59
ZZZZZZ	132941	2.73	346310	4.61	637602	4.93	553743	6.51	310224	7.59
ZZZZZZ	130374	2.74	348796	4.62	628976	4.93	537685	6.51	304240	7.59
ZZZZZZ	138991	2.73	363626	4.62	662086	4.93	554881	6.51	312221	7.59
ZZZZZZ	150779	2.73	369806	4.62	666978	4.93	572367	6.51	310490	7.59
ZZZZZZ	154521	2.73	379245	4.62	683679	4.93	589712	6.51	322150	7.59
ZZZZZZ	153559	2.73	395402	4.61	708011	4.93	604142	6.51	334814	7.59
ZZZZZZ	174051	2.73	397429	4.62	723302	4.93	612431	6.51	334304	7.59

IS 1 = Tert Butyl Alcohol-D9
IS 2 = Pentafluorobenzene
IS 3 = 1,4-Difluorobenzene
IS 4 = Chlorobenzene-D5
IS 5 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Internal Standard Area Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	V3C8319-CC8247	**Injection Date:**	12/02/24
Lab File ID:	3C191291.D	**Injection Time:**	11:51
Instrument ID:	GCMS3C	**Method:**	SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	200185	2.22	663082	3.55	1108572	4.16	1078156	6.92	599398	8.87
Upper Limit [a]	400370	2.72	1326164	4.05	2217144	4.66	2156312	7.42	1198796	9.37
Lower Limit [b]	100093	1.72	331541	3.05	554286	3.66	539078	6.42	299699	8.37

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
V3C8319-BS	201391	2.22	657567	3.55	1120998	4.16	1065231	6.92	598951	8.87
V3C8319-MB	152406	2.22	643123	3.55	1063555	4.16	1010008	6.92	564305	8.87
JE1537-1	176955	2.23	649165	3.55	1077294	4.16	1031005	6.92	559256	8.87
JE1537-8	195106	2.23	684276	3.55	1130709	4.16	1092047	6.92	606582	8.87
ZZZZZZ	174370	2.22	625043	3.55	1058860	4.16	1014731	6.92	557088	8.87
ZZZZZZ	163674	2.23	513215	3.55	888294	4.16	934735	6.92	443031	8.88
ZZZZZZ	182796	2.22	512849	3.55	1007793	4.16	898793	6.92	233114[c]	8.88
JE1537-1MS	168241	2.22	734758	3.55	1258875	4.16	1186483	6.92	663085	8.87
JE1537-8DUP	193797	2.22	705336	3.55	1171414	4.17	1130455	6.92	614243	8.87
ZZZZZZ	189080	2.22	674693	3.55	1125434	4.16	1065569	6.92	575603	8.87
ZZZZZZ	195635	2.22	672287	3.55	1128836	4.17	1066378	6.92	577501	8.87
ZZZZZZ	194480	2.22	671023	3.55	1126763	4.16	1079461	6.92	585629	8.87
ZZZZZZ	194201	2.22	659585	3.55	1109464	4.17	1071070	6.92	579630	8.87
ZZZZZZ	195836	2.22	648214	3.55	1089950	4.16	1041075	6.92	560297	8.87
ZZZZZZ	175903	2.22	652071	3.55	1086453	4.16	1055604	6.92	569209	8.87
ZZZZZZ	188423	2.22	668837	3.55	1123428	4.16	1081572	6.92	587009	8.87
ZZZZZZ	186693	2.22	612961	3.55	1028995	4.16	975837	6.92	505599	8.87
ZZZZZZ	180575	2.22	640885	3.55	1080931	4.16	1044527	6.92	565200	8.87
ZZZZZZ	177049	2.22	634769	3.55	1084911	4.17	1041832	6.92	563000	8.87
ZZZZZZ	191113	2.22	645337	3.55	1087717	4.17	1059852	6.92	576394	8.87
JE1534-1	205210	2.22	644853	3.55	1097071	4.16	1060110	6.92	570485	8.87
JE1534-2	181685	2.22	643625	3.55	1087072	4.16	1051448	6.92	565433	8.87

IS 1 = Tert Butyl Alcohol-D9
IS 2 = Pentafluorobenzene
IS 3 = 1,4-Difluorobenzene
IS 4 = Chlorobenzene-D5
IS 5 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Outside control limits due to matrix interference.

Internal Standard Area Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	VY9149-CC9125	**Injection Date:**	12/02/24
Lab File ID:	Y211510.D	**Injection Time:**	14:25
Instrument ID:	GCMSY	**Method:**	SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	184982	1.76	387778	2.83	684180	3.38	589425	5.84	349927	7.73
Upper Limit [a]	369964	2.26	775556	3.33	1368360	3.88	1178850	6.34	699854	8.23
Lower Limit [b]	92491	1.26	193889	2.33	342090	2.88	294713	5.34	174964	7.23

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
VY9149-BS	184492	1.76	395744	2.83	691784	3.38	590230	5.84	351344	7.73
VY9149-MB	112931	1.76	416179	2.84	627973	3.38	587617	5.84	390993	7.73
JE1503-2	130642	1.77	429887	2.84	668281	3.38	619134	5.84	405459	7.73
JE1503-4	143181	1.77	428566	2.84	661621	3.38	610923	5.84	401517	7.73
ZZZZZZ	138993	1.76	421597	2.84	649498	3.38	606331	5.84	397579	7.73
ZZZZZZ	146372	1.76	420638	2.84	643078	3.38	597646	5.84	379197	7.73
ZZZZZZ	142201	1.76	423985	2.84	653474	3.38	603310	5.84	395246	7.73
ZZZZZZ	139797	1.77	424649	2.84	657691	3.38	611820	5.84	404580	7.73
JE1503-2MS	147482	1.76	427735	2.84	762560	3.38	645379	5.84	387922	7.73
JE1503-4DUP	126483	1.76	417690	2.84	648653	3.38	600219	5.84	392794	7.73
ZZZZZZ	117213	1.77	408194	2.84	628009	3.38	582563	5.85	388287	7.73
ZZZZZZ	134523	1.76	411383	2.84	642014	3.38	601594	5.84	394452	7.73
ZZZZZZ	136570	1.76	421891	2.84	656802	3.38	611822	5.84	404411	7.73
ZZZZZZ	156312	1.76	407982	2.84	635619	3.38	601052	5.84	395780	7.73
ZZZZZZ	149163	1.77	408503	2.84	640300	3.38	595368	5.84	402774	7.73
ZZZZZZ	157658	1.76	418812	2.84	648313	3.38	611517	5.84	400363	7.73
ZZZZZZ	139794	1.76	404372	2.84	635856	3.38	595525	5.84	401008	7.73
ZZZZZZ	162453	1.76	413723	2.84	642637	3.38	604500	5.84	405837	7.73
ZZZZZZ	154647	1.77	414259	2.84	652251	3.38	604684	5.84	399873	7.73
JE1534-3	128968	1.76	408167	2.83	629863	3.38	595884	5.84	388745	7.73
JE1534-4	138471	1.76	412516	2.84	638465	3.38	590123	5.85	382305	7.73
JE1534-5	134846	1.76	391548	2.84	612849	3.38	571526	5.84	382345	7.73
JE1534-6	138508	1.77	397899	2.84	613512	3.38	582956	5.84	384621	7.73
JE1534-7	90779[c]	1.75	367807	2.83	562866	3.38	500550	5.84	284332	7.73
ZZZZZZ	134243	1.76	406598	2.83	640288	3.38	588038	5.84	390765	7.73
ZZZZZZ	159920	1.77	411903	2.84	651388	3.38	598944	5.84	391452	7.73

IS 1 = Tert Butyl Alcohol-D9
IS 2 = Pentafluorobenzene
IS 3 = 1,4-Difluorobenzene
IS 4 = Chlorobenzene-D5
IS 5 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Internal Standard Area Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	VY9149-CC9125	**Injection Date:**	12/02/24
Lab File ID:	Y211510.D	**Injection Time:**	14:25
Instrument ID:	GCMSY	**Method:**	SW846 8260D

Lab Sample ID	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT	IS 3 AREA	IS 3 RT	IS 4 AREA	IS 4 RT	IS 5 AREA	IS 5 RT

(c) Outside control limits. No associated compounds reported under this internal standard.

Surrogate Recovery Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Method: SW846 8260D **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
JE1534-8	2S011166.D	103	97	97	89
JE1347-15DUP	2S011165.D	101	96	95	92
JE1347-17MS	2S011163.D	95	92	100	97
V2S292-BS	2S011153.D	97	108	98	94
V2S292-MB	2S011155.D	106	109	98	91

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	80-120%
S2 = 1,2-Dichloroethane-D4	80-120%
S3 = Toluene-D8	80-120%
S4 = 4-Bromofluorobenzene	82-114%

Surrogate Recovery Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Method: SW846 8260D **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
JE1534-1	3C191316.D	97	104	89	89
JE1534-2	3C191317.D	95	103	89	88
JE1534-3	Y211533.D	97	96	92	92
JE1534-4	Y211534.D	98	96	94	93
JE1534-5	Y211535.D	100	95	93	91
JE1534-6	Y211536.D	99	95	93	91
JE1534-7	Y211537.D	98	97	97	99
JE1503-2MS	Y211521.D	95	81	92	92
JE1503-4DUP	Y211523.D	101	95	94	93
JE1537-1MS	3C191302.D	94	95	90	86
JE1537-8DUP	3C191304.D	93	102	89	88
V3C8319-BS	3C191293.D	93	103	89	85
V3C8319-MB	3C191295.D	93	98	90	86
VY9149-BS	Y211512.D	95	84	91	92
VY9149-MB	Y211514.D	91	87	93	91

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	80-124%
S2 = 1,2-Dichloroethane-D4	75-133%
S3 = Toluene-D8	79-125%
S4 = 4-Bromofluorobenzene	58-148%

Initial Calibration Summary

Job Number: JE1534 **Sample:** V2S228-ICC228
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 2S009382.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Response Factor Report GCMS S

Method : C:\msdchem\1\methods\m2s228.m (RTE Integrator)
Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
Last Update : Tue Oct 01 15:53:48 2024
Response via : Initial Calibration

Calibration Files
4 =2S009376.D 0.5 =2S009370.D 8 =2S009378.D 50 =2S009382.D
100 =2S009384.D 1 =2S009372.D 200 =2S009386.D 20 =2S009380.D
2 =2S009374.D 0.2 =2S009368.D = =

Compound	4	0.5	8	50	100	1	200	20	2	0.2	Avg	%RSD
1) I tert butyl alcohol-d9	----------ISTD----------											
2) ethanol	0.131	0.107	0.092	0.083	0.225	0.067	0.098	0.160			0.120	42.56
	----- Quadratic regression ----- Coefficient = 0.9999											
	Response Ratio = 0.02565 + 0.09617 *A + -0.00074 *A^2											
3) tertiary butyl alcohol	0.948	1.009	1.075	1.083	1.217	1.057	0.994	0.900			1.035	9.37
4) 1,4-dioxane	0.073	0.073	0.078	0.073		0.064	0.076	0.067			0.072	6.97
5) I pentafluorobenzene	----------ISTD----------											
6) chlorodifluoromethane	0.568	0.530	0.542	0.639	0.671	0.513	0.643	0.633	0.520		0.584	10.54
7) dichlorodifluoromethane	0.670	0.655	0.768	0.789	0.727	0.766	0.741	0.638			0.719	8.00
8) chloromethane	0.593	0.643	0.583	0.658	0.666	0.729	0.644	0.647	0.574		0.637	7.60
9) vinyl chloride	0.543	0.553	0.637	0.663	0.632	0.644	0.617	0.516			0.601	9.16
10) 1,3-butadiene	0.415	0.436	0.378	0.432	0.472	0.357	0.447	0.433	0.373		0.416	9.25
11) bromomethane	0.165	0.168	0.233	0.265		0.275	0.198	0.143			0.207	25.01
	----- Quadratic regression ----- Coefficient = 0.9982											
	Response Ratio = -0.00525 + 0.22899 *A + 0.01246 *A^2											
12) chloroethane	0.294	0.281	0.304	0.340	0.348	0.355	0.332	0.328	0.283		0.318	8.89
13) trichlorofluoromethane	0.577	0.582	0.676	0.708	0.622	0.675	0.658	0.568			0.633	8.44
14) ethyl ether	0.196	0.210	0.215	0.260	0.278	0.225	0.280	0.244	0.186		0.233	14.90
15) acrolein	0.097	0.104	0.116	0.122	0.099	0.123	0.107	0.103			0.109	9.47
16) freon 113	0.245	0.239	0.299	0.320		0.313	0.286	0.215			0.274	14.94
17) 1,1-dichloroethene	0.561	0.516	0.552	0.659	0.688	0.517	0.668	0.633	0.501		0.588	12.52
18) acetone	0.041	0.043	0.054	0.059		0.061	0.050	0.038			0.049	18.39
19) acetonitrile	0.060	0.060	0.064	0.065		0.065	0.062	0.065			0.063	3.60
20) iodomethane												

Initial Calibration Summary

Job Number: JE1534 **Sample:** V2S228-ICC228
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 2S009382.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

```
      0.224       0.250 0.391 0.417       0.410 0.336 0.180        0.315   30.76
            ----- Linear regression -----  Coefficient =  0.9978
              Response Ratio = -0.01409 + 0.41209 *A

21)  carbon disulfide
      1.036 1.099 1.005 1.179 1.234 1.001 1.193 1.150 0.982        1.098    8.65
22)  methylene chloride
      0.441       0.415 0.449 0.461 0.632 0.454 0.446 0.493        0.474   14.21
23)  methyl acetate
      0.067       0.070 0.096 0.106       0.112 0.085              0.089   20.58
            ----- Linear regression -----  Coefficient =  0.9969
              Response Ratio = -0.00526 + 0.10938 *A

24)  methyl tert butyl ether
      0.840       0.904 1.203 1.308 0.891       1.079 0.753        0.997   20.45
         ----- Quadratic regression -----                Coefficient =  0.9989
              Response Ratio = -0.00789 + 1.03055 *A + 0.14471 *A^2

25)  trans-1,2-dichloroethene
      0.380 0.367 0.351 0.432 0.450 0.312 0.449 0.404 0.318        0.385   13.68
26)  hexane
      0.803       0.823 1.067 1.139       1.121 0.983 0.741        0.954   17.17
27)  di-isopropyl ether
      1.207 1.305 1.253 1.574 1.677 1.266 1.665 1.424 1.064        1.382   15.63
28)  ethyl tert-butyl ether
      1.074 1.045 1.136 1.498 1.613 1.131 1.626 1.334 0.986        1.271   19.80
29)  2-butanone
      0.041       0.047 0.072 0.079       0.083 0.060 0.038        0.060   30.66
         ----- Quadratic regression -----                Coefficient =  0.9983
              Response Ratio = -0.00804 + 0.07006 *A + 0.00089 *A^2

30)  1,1-dichloroethane
      0.743 0.763 0.740 0.871 0.902 0.724 0.873 0.844 0.686        0.794    9.91
31)  chloroprene
      0.599       0.577 0.777 0.832       0.795 0.721 0.521        0.689   17.68
32)  acrylonitrile
      0.163       0.173 0.210 0.207 0.163 0.207 0.193 0.166        0.185   11.42
33)  vinyl acetate
      0.052       0.071 0.104 0.113       0.123 0.087              0.092   29.28
         ----- Quadratic regression -----                Coefficient =  0.9997
              Response Ratio = -0.00464 + 0.10235 *A + 0.00561 *A^2

34)  ethyl acetate
      0.036       0.046 0.073 0.079       0.081 0.060              0.062   29.34
            ----- Linear regression -----  Coefficient =  0.9982
              Response Ratio = -0.00477 + 0.08074 *A

35)  2,2-dichloropropane
      0.486 0.496 0.474 0.602 0.636 0.395 0.629 0.543 0.431        0.521   16.61
36)  cis-1,2-dichloroethene
      0.401 0.362 0.403 0.475 0.495 0.414 0.488 0.446 0.353        0.426   12.30
37)  propionitrile
      0.073       0.078 0.092 0.095 0.090 0.097 0.085 0.075        0.086   10.87
38)  methyl acrylate
      0.051       0.060 0.093 0.103       0.104 0.078              0.081   27.31
            ----- Linear regression -----  Coefficient =  0.9980
              Response Ratio = -0.00584 + 0.10389 *A

39)  bromochloromethane
      0.191 0.171 0.201 0.233 0.236 0.189 0.226 0.219 0.187        0.206   11.36
```

Initial Calibration Summary

Job Number: JE1534 **Sample:** V2S228-ICC228
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 2S009382.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

40) tetrahydrofuran
0.054 0.077 0.084 0.089 0.063 0.073 19.87
41) chloroform
0.197 0.186 0.210 0.214 0.210 0.205 0.205 0.180 0.201 6.14
42) dibromofluoromethane (s)
0.622 0.615 0.618 0.602 0.601 0.628 0.606 0.619 0.624 0.630 0.617 1.67
43) methacrylonitrile
0.172 0.228 0.251 0.255 0.207 0.223 15.41
44) 1,1,1-trichloroethane
0.561 0.486 0.554 0.696 0.733 0.500 0.729 0.656 0.481 0.600 17.43
45) cyclohexane
0.531 0.550 0.674 0.710 0.522 0.697 0.624 0.487 0.599 14.62
46) 1,1-dichloropropene
0.457 0.448 0.604 0.639 0.388 0.624 0.561 0.391 0.514 20.38
----- Quadratic regression ----- Coefficient = 0.9984
Response Ratio = -0.00785 + 0.60290 *A + 0.00726 *A^2

47) carbon tetrachloride
0.483 0.484 0.610 0.649 0.421 0.643 0.581 0.426 0.537 17.58
48) isobutyl alcohol
0.009 0.010 0.016 0.019 0.022 0.012 0.015 34.55
----- Quadratic regression ----- Coefficient = 0.9990
Response Ratio = -0.00635 + 0.01480 *A + 0.00019 *A^2

49) tert-amyl alcohol
0.018 0.022 0.026 0.027 0.029 0.023 0.024 15.41

50) I 1,4-difluorobenzene ----------ISTD----------
51) 1,2-dichloroethane-d4 (s)
0.375 0.373 0.381 0.361 0.361 0.376 0.360 0.380 0.374 0.373 0.371 2.09
52) iso-octane
0.661 0.641 0.827 0.900 0.890 0.756 0.567 0.749 17.37
53) benzene
0.740 0.717 0.748 0.909 0.955 0.708 0.918 0.838 0.669 0.800 13.25
54) tert-amyl methyl ether
0.455 0.523 0.478 0.604 0.655 0.525 0.670 0.531 0.417 0.540 16.16
55) heptane
0.145 0.145 0.170 0.179 0.173 0.162 0.121 0.156 13.17
56) isopropyl acetate
0.036 0.041 0.061 0.070 0.073 0.051 0.055 27.24
----- Linear regression ----- Coefficient = 0.9959
Response Ratio = -0.00427 + 0.07179 *A

57) 1,2-dichloroethane
0.309 0.414 0.306 0.345 0.348 0.350 0.338 0.333 0.284 0.336 10.90
58) n-butyl alcohol
0.003 0.003 0.006 0.007 0.007 0.004 0.005 34.33
----- Quadratic regression ----- Coefficient = 0.9976
Response Ratio = -0.01357 + 0.00547 *A + 0.00001 *A^2

59) ethyl acrylate
0.275 0.306 0.393 0.420 0.421 0.348 0.361 16.97
60) trichloroethene
0.192 0.186 0.190 0.245 0.259 0.181 0.252 0.224 0.165 0.210 16.56
61) 2-nitropropane
0.067 0.066 0.089 0.098 0.089 0.085 0.077 0.074 0.080 14.43
62) 2-chloroethyl vinyl ether
0.122 0.116 0.136 0.168 0.178 0.127 0.175 0.153 0.107 0.143 18.75
63) methyl methacrylate
0.053 0.062 0.078 0.083 0.085 0.067 0.047 0.068 22.13

```
            ----- Linear regression -----  Coefficient =  0.9978
              Response Ratio = -0.00234 + 0.08399 *A

64)  1,2-dichloropropane
      0.214 0.208 0.210 0.263 0.271 0.208 0.264 0.236 0.190        0.229   13.07
65)  methylcyclohexane
      0.160       0.155 0.196 0.212       0.207 0.177 0.148        0.179   14.50
66)  dibromomethane
      0.128 0.147 0.133 0.148 0.152 0.154 0.151 0.140 0.120        0.142    8.44
67)  bromodichloromethane
      0.256 0.279 0.262 0.322 0.330 0.272 0.322 0.294 0.232        0.286   11.89
68)  epichlorohydrin
      0.021       0.026 0.032 0.036       0.038 0.029              0.030   20.86
            ----- Linear regression -----  Coefficient =  0.9973
              Response Ratio = -0.00882 + 0.03696 *A

69)  cis-1,3-dichloropropene
      0.280 0.299 0.299 0.385 0.407 0.275 0.401 0.343 0.246        0.326   18.29
70)  4-methyl-2-pentanone
      0.086       0.092 0.123 0.130 0.084       0.109 0.073        0.100   21.66
         ----- Quadratic regression -----                Coefficient =  0.9988
              Response Ratio = -0.00404 + 0.10724 *A + 0.00305 *A^2

71)  3-methyl-1-butanol
      0.003       0.003 0.005 0.006       0.007 0.004 0.004        0.005   30.09
         ----- Quadratic regression -----                Coefficient =  0.9977
              Response Ratio = -0.00201 + 0.00471 *A + 0.00003 *A^2


72) I   chlorobenzene-d5      ----------------ISTD--------------------
73)  toluene-d8 (s)
      1.325 1.327 1.341 1.362 1.348 1.313 1.337 1.329 1.324 1.325  1.333    1.07
74)  toluene
      0.555 0.571 0.558 0.667 0.692 0.562 0.670 0.622 0.492        0.599   11.23
75)  ethyl methacrylate
      0.246       0.275 0.350 0.366 0.276 0.357 0.314 0.214        0.300   18.66
76)  trans-1,3-dichloropropene
      0.298       0.329 0.431 0.449 0.316 0.432 0.378 0.277        0.364   18.62
77)  1,1,2-trichloroethane
      0.166 0.173 0.176 0.218 0.224 0.188 0.217 0.196 0.150        0.190   13.73
78)  tetrachloroethene
      0.235 0.202 0.231 0.281 0.291 0.199 0.278 0.260 0.215        0.244   14.50
79)  2-hexanone
      0.103       0.115 0.146 0.151 0.112 0.146 0.133 0.087        0.124   18.75
80)  1,3-dichloropropane
      0.343 0.378 0.364 0.445 0.459 0.367 0.442 0.407 0.322        0.392   12.43
81)  butyl acetate
      0.142       0.154 0.214 0.231       0.231 0.183              0.192   20.18
            ----- Linear regression -----  Coefficient =  0.9986
              Response Ratio = -0.01024 + 0.23172 *A

82)  dibromochloromethane
      0.234 0.273 0.249 0.310 0.324 0.268 0.317 0.281 0.215        0.275   13.82
83)  1,2-dibromoethane
      0.219 0.204 0.223 0.277 0.285 0.234 0.280 0.247 0.198        0.241   13.89
84)  n-butyl ether
      1.029 0.963 1.096 1.308 1.335 0.951 1.252 1.234 0.887        1.117   15.12
85)  chlorobenzene
      0.613 0.644 0.626 0.730 0.753 0.631 0.720 0.680 0.557        0.662    9.64
86)  1,1,1,2-tetrachloroethane
```

```
      0.201 0.195 0.213 0.264 0.276 0.197 0.266 0.240 0.175        0.225   16.37
 87)  ethylbenzene
      1.058 1.237 1.039 1.211 1.245 1.099 1.176 1.158 0.989        1.135    8.14
 88)  m,p-xylene
      0.419 0.403 0.416 0.485 0.490 0.407 0.459 0.465 0.370        0.435    9.51
 89)  o-xylene
      0.394 0.360 0.396 0.465 0.475 0.377 0.451 0.426 0.341        0.410   11.60
 90)  styrene
      0.665 0.618 0.675 0.807 0.822 0.648 0.787 0.753 0.571        0.705   12.76
 91)  bromoform
      0.168 0.185 0.175 0.215 0.228 0.176 0.225 0.197 0.154        0.191   13.70
 92)  butyl acrylate
      0.425 0.430 0.463 0.605 0.623 0.452 0.599 0.531 0.365        0.499   18.64
 93)  isopropylbenzene
      0.909 0.830 0.888 1.079 1.095 0.853 1.045 1.013 0.796        0.945   12.05
 94)  cis-1,4-dichloro-2-butene
      0.099       0.107 0.170 0.174       0.168 0.181              0.150   24.40
           ----- Linear regression -----  Coefficient =  0.9977
             Response Ratio = -0.00613 + 0.17340 *A


 95) I   1,4-dichlorobenzene-d ----------------ISTD--------------------
 96)  4-bromofluorobenzene (s)
      0.949 0.937 0.936 0.956 0.954 0.918 0.961 0.953 0.947 0.935  0.945    1.35
 97)  bromobenzene
      0.458 0.437 0.452 0.549 0.564 0.492 0.560 0.514 0.406        0.492   11.75
 98)  1,1,2,2-tetrachloroethane
      0.510 0.541 0.547 0.675 0.706 0.523 0.715 0.622 0.485        0.591   15.07
 99)  trans-1,4-dichloro-2-butene
      0.200 0.214 0.203 0.253 0.259 0.209 0.260 0.225 0.168        0.221   14.10
100)  1,2,3-trichloropropane
      0.163       0.173 0.215 0.227 0.183 0.229 0.201 0.155        0.193   15.03
101)  n-propylbenzene
      2.277 2.236 2.211 2.758 2.819 2.225 2.719 2.603 2.029        2.431   12.03
102)  2-chlorotoluene
      0.457 0.444 0.460 0.543 0.560 0.430 0.543 0.540 0.385        0.485   12.99
103)  4-chlorotoluene
      1.480 1.411 1.435 1.750 1.775 1.402 1.711 1.649 1.336        1.550   10.97
104)  1,3,5-trimethylbenzene
      1.650 1.635 1.626 2.000 2.012 1.612 1.926 1.883 1.438        1.754   11.66
105)  tert-butylbenzene
      1.362 1.315 1.334 1.677 1.719 1.316 1.704 1.565 1.229        1.469   13.29
106)  1,2,4-trimethylbenzene
      1.705 1.616 1.684 2.071 2.085 1.642 1.987 1.936 1.432        1.795   12.84
107)  sec-butylbenzene
      1.968 1.832 1.913 2.418 2.479 1.744 2.388 2.286 1.740        2.085   14.60
108)  1,3-dichlorobenzene
      0.973 0.975 0.930 1.141 1.156 0.950 1.128 1.068 0.868 0.838  1.003   11.40
109)  p-isopropyltoluene
      1.752 1.624 1.699 2.124 2.189 1.528 2.088 2.003 1.529        1.837   14.39
110)  1,4-dichlorobenzene
      0.977 1.047 0.953 1.132 1.154 0.997 1.129 1.072 0.896 0.965  1.032    8.53
111)  1,2-dichlorobenzene
      0.913 0.974 0.914 1.087 1.100 0.980 1.076 1.020 0.838        0.989    9.09
112)  1,2,3-trimethylbenzene
      1.803 1.881 1.764 2.149 2.162 1.871 2.063 2.034 1.639        1.930    9.42
113)  n-butylbenzene
      0.904 0.885 0.880 1.135 1.181 0.809 1.132 1.068 0.805        0.978   15.33
114)  1,2-dibromo-3-chloropropane
      0.156       0.154 0.188 0.199 0.160 0.199 0.171 0.133        0.170   13.91
```

Initial Calibration Summary

Job Number: JE1534 **Sample:** V2S228-ICC228
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 2S009382.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

```
115)  1,3,5-trichlorobenzene
       0.663 0.658 0.659 0.815 0.833 0.635 0.798 0.753 0.586        0.711   12.62
116)  1,2,4-trichlorobenzene
       0.575 0.616 0.595 0.748 0.765 0.596 0.741 0.679 0.539        0.650   12.96
117)  hexachlorobutadiene
       0.242       0.238 0.293 0.304 0.228 0.298 0.273 0.226        0.263   12.53
118)  naphthalene
       1.815 1.953 1.927 2.439 2.470 2.018 2.373 2.206 1.626        2.092   14.16
119)  1,2,3-trichlorobenzene
       0.553 0.579 0.571 0.704 0.719 0.586 0.694 0.655 0.532        0.621   11.53
120)  hexachloroethane
       0.272       0.257 0.364 0.383       0.391 0.315 0.220        0.315   21.43
             ----- Linear regression -----  Coefficient =  0.9978
               Response Ratio = -0.01046 + 0.38632 *A

121)  benzyl chloride
       0.196       0.192 0.271 0.290       0.295 0.234              0.246   18.56
122)  2-methylnaphthalene
       0.896 1.054 0.906 1.103 1.157 0.986 1.207 0.993 0.795        1.011   13.21
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           m2s228.m          Tue Oct 01 15:54:31 2024
```

Initial Calibration Verification

Job Number: JE1534 **Sample:** V2S228-ICV228
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 2S009392.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\Initials\VS228\2S009392.D Vial: 30
Acq On : 30 Sep 2024 09:50 pm Operator: edwardd
Sample : icv228-50 Inst : GCMS S
Misc : MS81509,V2S228,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\m2s228.m (RTE Integrator)
Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
Last Update : Tue Oct 01 15:53:48 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	108	0.00	2.74
			True	Calc.	% Drift			
2		ethanol	5000.000	4046.544	19.1	89	0.00	2.01
			AvgRF	CCRF	% Dev			
3	M	tertiary butyl alcohol	1.035	1.071	-3.5	107	0.00	2.80
4		1,4-dioxane	0.072	0.066	8.3	91	0.00	5.35
5	I	pentafluorobenzene	1.000	1.000	0.0	100	0.00	4.62
6		chlorodifluoromethane		NA				
7		dichlorodifluoromethane	0.719	0.567	21.1	74	0.00	1.19
8		chloromethane	0.637	0.606	4.9	92	0.00	1.31
9		vinyl chloride	0.601	0.580	3.5	91	0.00	1.36
10		1,3-butadiene	0.416	0.463	-11.3	107	0.00	1.37
			True	Calc.	% Drift			
11		bromomethane	50.000	47.496	5.0	96	0.00	1.56
			AvgRF	CCRF	% Dev			
12		chloroethane	0.318	0.345	-8.5	102	0.00	1.64
13		trichlorofluoromethane	0.633	0.620	2.1	92	0.00	1.73
14		ethyl ether	0.233	0.270	-15.9	104	0.00	1.92
15		acrolein	0.109	0.120	-10.1	103	0.00	2.31
16		freon 113	0.274	0.295	-7.7	99	0.00	2.10
17		1,1-dichloroethene	0.588	0.645	-9.7	98	0.00	2.07
18		acetone		NA				
19		acetonitrile	0.063	0.065	-3.2	102	0.00	2.94
			True	Calc.	% Drift			
20		iodomethane	50.000	41.375	17.3	84	0.00	2.17
			AvgRF	CCRF	% Dev			
21		carbon disulfide	1.098	1.030	6.2	87	0.00	2.10
22		methylene chloride	0.474	0.450	5.1	100	0.00	2.50
			True	Calc.	% Drift			
23		methyl acetate	50.000	47.258	5.5	103	0.00	2.64
24		methyl tert butyl ether	50.000	52.556	-5.1	103	0.00	2.73
			AvgRF	CCRF	% Dev			
25		trans-1,2-dichloroethene	0.385	0.423	-9.9	98	0.00	2.64

Initial Calibration Verification

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: V2S228-ICV228
Lab FileID: 2S009392.D

26		hexane	0.954	1.027	-7.7	96	0.00	2.71
27		di-isopropyl ether	1.382	1.501	-8.6	95	0.00	3.09
28		ethyl tert-butyl ether	1.271	1.415	-11.3	95	0.00	3.46
			True	Calc.	% Drift			
29		2-butanone	200.000	235.028	-17.5	118	0.00	4.35
			AvgRF	CCRF	% Dev			
30	M	1,1-dichloroethane	0.794	0.853	-7.4	98	0.00	3.20
31		chloroprene	0.689	0.780	-13.2	101	0.00	3.18
32		acrylonitrile	0.185	0.224	-21.1	107	0.00	3.24
			True	Calc.	% Drift			
33		vinyl acetate	50.000	36.642	26.7	71	0.00	3.46
34		ethyl acetate	50.000	47.161	5.7	98	0.00	4.21
			AvgRF	CCRF	% Dev			
35		2,2-dichloropropane	0.521	0.584	-12.1	97	0.00	3.88
36		cis-1,2-dichloroethene	0.426	0.479	-12.4	101	0.00	3.76
37		propionitrile	0.086	0.096	-11.6	105	0.00	4.56
			True	Calc.	% Drift			
38		methyl acrylate	50.000	47.829	4.3	101	0.00	4.21
			AvgRF	CCRF	% Dev			
39		bromochloromethane	0.206	0.230	-11.7	99	0.00	3.98
40		tetrahydrofuran	0.073	0.081	-11.0	105	0.00	4.22
41		chloroform	0.201	0.214	-6.5	102	0.00	4.08
42	S	dibromofluoromethane (s)	0.617	0.600	2.8	100	0.00	4.25
43		methacrylonitrile	0.223	0.232	-4.0	102	0.00	4.58
44		1,1,1-trichloroethane	0.600	0.704	-17.3	101	0.00	4.27
45		cyclohexane	0.599	0.638	-6.5	95	0.00	3.99
			True	Calc.	% Drift			
46		1,1-dichloropropene	50.000	49.494	1.0	99	0.00	4.37
			AvgRF	CCRF	% Dev			
47		carbon tetrachloride	0.537	0.608	-13.2	100	0.00	4.21
			True	Calc.	% Drift			
48		isobutyl alcohol	500.000	523.695	-4.7	107	0.00	4.72
			AvgRF	CCRF	% Dev			
49		tert-amyl alcohol	0.024	0.027	-12.5	107	0.00	4.77
50	I	1,4-difluorobenzene	1.000	1.000	0.0	101	0.00	4.94
51	S	1,2-dichloroethane-d4 (s)	0.371	0.368	0.8	103	0.00	4.64
52		iso-octane	0.749	0.766	-2.3	93	0.00	4.47
53	M	benzene	0.800	0.895	-11.9	99	0.00	4.56
54		tert-amyl methyl ether	0.540	0.578	-7.0	97	0.00	4.64
55		heptane	0.156	0.165	-5.8	97	0.00	4.55
			True	Calc.	% Drift			
56		isopropyl acetate	50.000	45.201	9.6	100	0.00	4.85
			AvgRF	CCRF	% Dev			
57		1,2-dichloroethane	0.336	0.340	-1.2	100	0.00	4.69
			True	Calc.	% Drift			
58		n-butyl alcohol	2500.000	2489.024	0.4	102	0.00	5.11

Initial Calibration Verification

Job Number: JE1534 **Sample:** V2S228-ICV228
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 2S009392.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

			AvgRF	CCRF	% Dev			
59		ethyl acrylate	0.361	0.397	-10.0	102	0.00	5.22
60		trichloroethene	0.210	0.253	-20.5	104	0.00	4.92
61		2-nitropropane	0.080	0.098	-22.5	111	0.00	5.86
62		2-chloroethyl vinyl ether	0.143	0.168	-17.5	101	0.00	5.57
			True	Calc.	% Drift			
63		methyl methacrylate	50.000	51.073	-2.1	108	0.00	5.33
			AvgRF	CCRF	% Dev			
64		1,2-dichloropropane	0.229	0.254	-10.9	97	0.00	5.20
65		methylcyclohexane	0.179	0.200	-11.7	103	0.00	4.92
66		dibromomethane	0.142	0.150	-5.6	102	0.00	5.14
67		bromodichloromethane	0.286	0.321	-12.2	100	0.00	5.24
			True	Calc.	% Drift			
68		epichlorohydrin	250.000	242.340	3.1	106	0.00	5.73
			AvgRF	CCRF	% Dev			
69		cis-1,3-dichloropropene	0.326	0.380	-16.6	99	0.00	5.60
			True	Calc.	% Drift			
70		4-methyl-2-pentanone	200.000	208.516	-4.3	102	0.00	5.93
71		3-methyl-1-butanol	1000.000	1048.011	-4.8	105	0.00	5.83
			AvgRF	CCRF	% Dev			
72	I	chlorobenzene-d5	1.000	1.000	0.0	101	0.00	6.51
73	S	toluene-d8 (s)	1.333	1.343	-0.8	99	0.00	5.71
74		toluene	0.599	0.654	-9.2	99	0.00	5.73
75		ethyl methacrylate	0.300	0.321	-7.0	92	0.00	6.04
76		trans-1,3-dichloropropene	0.364	0.436	-19.8	102	0.00	5.96
77		1,1,2-trichloroethane	0.190	0.217	-14.2	101	0.00	6.04
78		tetrachloroethene		NA				
79		2-hexanone	0.124	0.160	-29.0	110	0.00	6.36
80		1,3-dichloropropane	0.392	0.453	-15.6	102	0.00	6.19
			True	Calc.	% Drift			
81		butyl acetate	50.000	49.994	0.0	104	0.00	6.31
			AvgRF	CCRF	% Dev			
82		dibromochloromethane	0.275	0.312	-13.5	101	0.00	6.14
83		1,2-dibromoethane	0.241	0.276	-14.5	100	0.00	6.26
84		n-butyl ether	1.117	1.277	-14.3	98	0.00	6.46
85		chlorobenzene	0.662	0.716	-8.2	99	0.00	6.52
86		1,1,1,2-tetrachloroethane	0.225	0.270	-20.0	103	0.00	6.55
87		ethylbenzene	1.135	1.222	-7.7	102	0.00	6.53
88		m,p-xylene	0.435	0.485	-11.5	101	0.00	6.60
89		o-xylene	0.410	0.481	-17.3	104	0.00	6.80
90		styrene	0.705	0.762	-8.1	95	0.00	6.83
91		bromoform	0.191	0.220	-15.2	103	0.00	6.85
92		butyl acrylate	0.499	0.603	-20.8	100	0.00	6.87
93		isopropylbenzene	0.945	1.184	-25.3	110	0.00	6.95
			True	Calc.	% Drift			
94		cis-1,4-dichloro-2-butene	50.000	49.684	0.6	98	0.00	7.10
			AvgRF	CCRF	% Dev			

Initial Calibration Verification

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: V2S228-ICV228
Lab FileID: 2S009392.D

95	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	101	0.00	7.59
96	S	4-bromofluorobenzene (s)	0.945	0.952	-0.7	101	0.00	7.08
97		bromobenzene	0.492	0.568	-15.4	105	0.00	7.13
98		1,1,2,2-tetrachloroethane	0.591	0.653	-10.5	98	0.00	7.17
99		trans-1,4-dichloro-2-bute	0.221	0.261	-18.1	104	0.00	7.24
100		1,2,3-trichloropropane	0.193	0.231	-19.7	109	0.00	7.23
101		n-propylbenzene	2.431	2.739	-12.7	101	0.00	7.14
102		2-chlorotoluene	0.485	0.584	-20.4	109	0.00	7.22
103		4-chlorotoluene	1.550	1.731	-11.7	100	0.00	7.29
104		1,3,5-trimethylbenzene	1.754	2.016	-14.9	102	0.00	7.22
105		tert-butylbenzene	1.469	1.807	-23.0	109	0.00	7.37
106		1,2,4-trimethylbenzene	1.795	2.121	-18.2	104	0.00	7.40
107		sec-butylbenzene	2.085	2.466	-18.3	103	0.00	7.45
108		1,3-dichlorobenzene	1.003	1.109	-10.6	98	0.00	7.55
109		p-isopropyltoluene	1.837	2.158	-17.5	103	0.00	7.51
110		1,4-dichlorobenzene	1.032	1.116	-8.1	100	0.00	7.60
111		1,2-dichlorobenzene	0.989	1.067	-7.9	100	0.00	7.78
112		1,2,3-trimethylbenzene		----------NA----------				
113		n-butylbenzene	0.978	1.161	-18.7	104	0.00	7.70
114		1,2-dibromo-3-chloropropa	0.170	0.193	-13.5	104	0.00	8.13
115		1,3,5-trichlorobenzene	0.711	0.862	-21.2	107	0.00	8.15
116		1,2,4-trichlorobenzene	0.650	0.745	-14.6	101	0.00	8.43
117		hexachlorobutadiene	0.263	0.291	-10.6	101	0.00	8.41
118		naphthalene	2.092	2.429	-16.1	101	0.00	8.58
119		1,2,3-trichlorobenzene	0.621	0.706	-13.7	102	0.00	8.67
		----------	True	Calc.	% Drift	----------		
120		hexachloroethane	50.000	47.823	4.4	100	0.00	7.77
		----------	AvgRF	CCRF	% Dev	----------		
121		benzyl chloride	0.246	0.271	-10.2	101	0.00	7.70
122		2-methylnaphthalene	1.011	1.103	-9.1	101	0.00	9.05

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2S009382.D m2s228.m Wed Oct 02 17:23:44 2024

Initial Calibration Verification

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: V2S228-ICV228
Lab FileID: 2S009394.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\Initials\VS228\2S009394.D Vial: 32
Acq On : 30 Sep 2024 10:16 pm Operator: edwardd
Sample : icv228-50 Inst : GCMS S
Misc : MS81509,V2S228,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\m2s228.m (RTE Integrator)
Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
Last Update : Tue Oct 01 15:09:31 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	65	0.00	2.74
		---------- True	Calc.	% Drift	----------			
2		ethanol		NA				
		---------- AvgRF	CCRF	% Dev	----------			
3	M	tertiary butyl alcohol		NA				
4		1,4-dioxane		NA				
5	I	pentafluorobenzene	1.000	1.000	0.0	95	0.00	4.62
6		chlorodifluoromethane	0.584	0.630	-7.9	94	0.00	1.22
7		dichlorodifluoromethane		NA				
8		chloromethane		NA				
9		vinyl chloride		NA				
10		1,3-butadiene		NA				
		---------- True	Calc.	% Drift	----------			
11		bromomethane		NA				
		---------- AvgRF	CCRF	% Dev	----------			
12		chloroethane		NA				
13		trichlorofluoromethane		NA				
14		ethyl ether		NA				
15		acrolein		NA				
16		freon 113		NA				
17		1,1-dichloroethene		NA				
		---------- True	Calc.	% Drift	----------			
18		acetone		NA				
		---------- AvgRF	CCRF	% Dev	----------			
19		acetonitrile	0.063	0.066	-4.8	98	0.00	2.94
		---------- True	Calc.	% Drift	----------			
20		iodomethane		NA				
		---------- AvgRF	CCRF	% Dev	----------			
21		carbon disulfide		NA				
22		methylene chloride		NA				
		---------- True	Calc.	% Drift	----------			
23		methyl acetate		NA				

Initial Calibration Verification

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: V2S228-ICV228
Lab FileID: 2S009394.D

				AvgRF	CCRF	% Dev			
24		methyl tert butyl ether			NA				
				AvgRF	CCRF	% Dev			
25		trans-1,2-dichloroethene			NA				
26		hexane			NA				
27		di-isopropyl ether			NA				
28		ethyl tert-butyl ether			NA				
				True	Calc.	% Drift			
29		2-butanone			NA				
				AvgRF	CCRF	% Dev			
30	M	1,1-dichloroethane			NA				
31		chloroprene			NA				
32		acrylonitrile		0.185	0.224	-21.1	101	0.00	3.24
				True	Calc.	% Drift			
33		vinyl acetate			NA				
34		ethyl acetate			NA				
				AvgRF	CCRF	% Dev			
35		2,2-dichloropropane			NA				
36		cis-1,2-dichloroethene			NA				
37		propionitrile			NA				
				True	Calc.	% Drift			
38		methyl acrylate			NA				
				AvgRF	CCRF	% Dev			
39		bromochloromethane			NA				
40		tetrahydrofuran			NA				
41		chloroform			NA				
42	S	dibromofluoromethane (s)		0.617	0.621	-0.6	98	0.00	4.25
43		methacrylonitrile			NA				
44		1,1,1-trichloroethane			NA				
45		cyclohexane			NA				
				True	Calc.	% Drift			
46		1,1-dichloropropene			NA				
				AvgRF	CCRF	% Dev			
47		carbon tetrachloride			NA				
				True	Calc.	% Drift			
48		isobutyl alcohol			NA				
				AvgRF	CCRF	% Dev			
49		tert-amyl alcohol			NA				
50	I	1,4-difluorobenzene		1.000	1.000	0.0	95	0.00	4.94
51	S	1,2-dichloroethane-d4 (s)		0.371	0.369	0.5	97	0.00	4.64
52		iso-octane			NA				
53	M	benzene			NA				
54		tert-amyl methyl ether			NA				
55		heptane			NA				
				True	Calc.	% Drift			
56		isopropyl acetate			NA				
				AvgRF	CCRF	% Dev			

Initial Calibration Verification

Job Number: JE1534 **Sample:** V2S228-ICV228
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 2S009394.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

57		1,2-dichloroethane		----------NA----------				
		----------	True	Calc.	% Drift	----------		
58		n-butyl alcohol		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
59		ethyl acrylate		----------NA----------				
60		trichloroethene		----------NA----------				
61		2-nitropropane		----------NA----------				
62		2-chloroethyl vinyl ether		----------NA----------				
		----------	True	Calc.	% Drift	----------		
63		methyl methacrylate		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
64		1,2-dichloropropane		----------NA----------				
65		methylcyclohexane		----------NA----------				
66		dibromomethane		----------NA----------				
67		bromodichloromethane		----------NA----------				
		----------	True	Calc.	% Drift	----------		
68		epichlorohydrin		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
69		cis-1,3-dichloropropene		----------NA----------				
		----------	True	Calc.	% Drift	----------		
70		4-methyl-2-pentanone		----------NA----------				
71		3-methyl-1-butanol		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
72	I	chlorobenzene-d5	1.000	1.000	0.0	96	0.00	6.51
73	S	toluene-d8 (s)	1.333	1.318	1.1	93	0.00	5.71
74		toluene		----------NA----------				
75		ethyl methacrylate		----------NA----------				
76		trans-1,3-dichloropropene		----------NA----------				
77		1,1,2-trichloroethane		----------NA----------				
78		tetrachloroethene	0.244	0.280	-14.8	96	0.00	5.95
79		2-hexanone		----------NA----------				
80		1,3-dichloropropane		----------NA----------				
		----------	True	Calc.	% Drift	----------		
81		butyl acetate		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
82		dibromochloromethane		----------NA----------				
83		1,2-dibromoethane		----------NA----------				
84		n-butyl ether		----------NA----------				
85		chlorobenzene		----------NA----------				
86		1,1,1,2-tetrachloroethane		----------NA----------				
87		ethylbenzene		----------NA----------				
88		m,p-xylene		----------NA----------				
89		o-xylene		----------NA----------				
90		styrene		----------NA----------				
91		bromoform		----------NA----------				
92		butyl acrylate		----------NA----------				
93		isopropylbenzene		----------NA----------				
		----------	True	Calc.	% Drift	----------		

Initial Calibration Verification

Job Number: JE1534 **Sample:** V2S228-ICV228
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 2S009394.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

94		cis-1,4-dichloro-2-butene		----------NA----------					
		----------	AvgRF	CCRF	% Dev	----------			
95	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	102	0.00	7.59	
96	S	4-bromofluorobenzene (s)	0.945	0.924	2.2	98	0.00	7.08	
97		bromobenzene		----------NA----------					
98		1,1,2,2-tetrachloroethane		----------NA----------					
99		trans-1,4-dichloro-2-bute		----------NA----------					
100		1,2,3-trichloropropane		----------NA----------					
101		n-propylbenzene		----------NA----------					
102		2-chlorotoluene		----------NA----------					
103		4-chlorotoluene		----------NA----------					
104		1,3,5-trimethylbenzene		----------NA----------					
105		tert-butylbenzene		----------NA----------					
106		1,2,4-trimethylbenzene		----------NA----------					
107		sec-butylbenzene		----------NA----------					
108		1,3-dichlorobenzene		----------NA----------					
109		p-isopropyltoluene		----------NA----------					
110		1,4-dichlorobenzene		----------NA----------					
111		1,2-dichlorobenzene		----------NA----------					
112		1,2,3-trimethylbenzene	1.930	2.359	-22.2	112	0.00	7.60	
113		n-butylbenzene		----------NA----------					
114		1,2-dibromo-3-chloropropa		----------NA----------					
115		1,3,5-trichlorobenzene		----------NA----------					
116		1,2,4-trichlorobenzene		----------NA----------					
117		hexachlorobutadiene		----------NA----------					
118		naphthalene		----------NA----------					
119		1,2,3-trichlorobenzene		----------NA----------					
		----------	True	Calc.	% Drift	----------			
120		hexachloroethane		----------NA----------					
		----------	AvgRF	CCRF	% Dev	----------			
121		benzyl chloride		----------NA----------					
122		2-methylnaphthalene		----------NA----------					

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2S009382.D m2s228.m Tue Oct 01 15:52:30 2024

Initial Calibration Verification

Job Number: JE1534 **Sample:** V2S228-ICV228
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 2S009400.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\Initials\VS228\2S009400.D Vial: 38
Acq On : 01 Oct 2024 04:08 pm Operator: edwardd
Sample : icv228-50 Inst : GCMS S
Misc : MS81509,V2S228,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\m2s228.m (RTE Integrator)
Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
Last Update : Tue Oct 01 15:53:48 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	110	0.00	2.73
		---------- True	Calc.	% Drift	----------			
2		ethanol		NA				
		---------- AvgRF	CCRF	% Dev	----------			
3	M	tertiary butyl alcohol		NA				
4		1,4-dioxane		NA				
5	I	pentafluorobenzene	1.000	1.000	0.0	98	0.00	4.62
6		chlorodifluoromethane		NA				
7		dichlorodifluoromethane		NA				
8		chloromethane		NA				
9		vinyl chloride		NA				
10		1,3-butadiene		NA				
		---------- True	Calc.	% Drift	----------			
11		bromomethane		NA				
		---------- AvgRF	CCRF	% Dev	----------			
12		chloroethane		NA				
13		trichlorofluoromethane		NA				
14		ethyl ether		NA				
15		acrolein		NA				
16		freon 113		NA				
17		1,1-dichloroethene		NA				
18		acetone	0.049	0.056	-14.3	101	0.00	2.53
19		acetonitrile		NA				
		---------- True	Calc.	% Drift	----------			
20		iodomethane		NA				
		---------- AvgRF	CCRF	% Dev	----------			
21		carbon disulfide		NA				
22		methylene chloride		NA				
		---------- True	Calc.	% Drift	----------			
23		methyl acetate		NA				
24		methyl tert butyl ether		NA				
		---------- AvgRF	CCRF	% Dev	----------			
25		trans-1,2-dichloroethene		NA				

Initial Calibration Verification

Job Number: JE1534 **Sample:** V2S228-ICV228
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 2S009400.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

26		hexane		----------NA----------				
27		di-isopropyl ether		----------NA----------				
28		ethyl tert-butyl ether		----------NA----------				
		----------	True	Calc.	% Drift	----------		
29		2-butanone		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
30	M	1,1-dichloroethane		----------NA----------				
31		chloroprene		----------NA----------				
32		acrylonitrile		----------NA----------				
		----------	True	Calc.	% Drift	----------		
33		vinyl acetate		----------NA----------				
34		ethyl acetate		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
35		2,2-dichloropropane		----------NA----------				
36		cis-1,2-dichloroethene		----------NA----------				
37		propionitrile		----------NA----------				
		----------	True	Calc.	% Drift	----------		
38		methyl acrylate		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
39		bromochloromethane		----------NA----------				
40		tetrahydrofuran		----------NA----------				
41		chloroform		----------NA----------				
42	S	dibromofluoromethane (s)	0.617	0.619	-0.3	100	0.00	4.25
43		methacrylonitrile		----------NA----------				
44		1,1,1-trichloroethane		----------NA----------				
45		cyclohexane		----------NA----------				
		----------	True	Calc.	% Drift	----------		
46		1,1-dichloropropene		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
47		carbon tetrachloride		----------NA----------				
		----------	True	Calc.	% Drift	----------		
48		isobutyl alcohol		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
49		tert-amyl alcohol		----------NA----------				
50	I	1,4-difluorobenzene	1.000	1.000	0.0	99	0.00	4.94
51	S	1,2-dichloroethane-d4 (s)	0.371	0.364	1.9	100	0.00	4.64
52		iso-octane		----------NA----------				
53	M	benzene		----------NA----------				
54		tert-amyl methyl ether		----------NA----------				
55		heptane		----------NA----------				
		----------	True	Calc.	% Drift	----------		
56		isopropyl acetate		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
57		1,2-dichloroethane		----------NA----------				
		----------	True	Calc.	% Drift	----------		
58		n-butyl alcohol		----------NA----------				

Initial Calibration Verification

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: V2S228-ICV228
Lab FileID: 2S009400.D

			AvgRF	CCRF	% Dev			
59		ethyl acrylate		NA				
60		trichloroethene		NA				
61		2-nitropropane		NA				
62		2-chloroethyl vinyl ether		NA				
			True	Calc.	% Drift			
63		methyl methacrylate		NA				
			AvgRF	CCRF	% Dev			
64		1,2-dichloropropane		NA				
65		methylcyclohexane		NA				
66		dibromomethane		NA				
67		bromodichloromethane		NA				
			True	Calc.	% Drift			
68		epichlorohydrin		NA				
			AvgRF	CCRF	% Dev			
69		cis-1,3-dichloropropene		NA				
			True	Calc.	% Drift			
70		4-methyl-2-pentanone		NA				
71		3-methyl-1-butanol		NA				
			AvgRF	CCRF	% Dev			
72	I	chlorobenzene-d5	1.000	1.000	0.0	99	0.00	6.51
73	S	toluene-d8 (s)	1.333	1.342	-0.7	98	0.00	5.70
74		toluene		NA				
75		ethyl methacrylate		NA				
76		trans-1,3-dichloropropene		NA				
77		1,1,2-trichloroethane		NA				
78		tetrachloroethene		NA				
79		2-hexanone		NA				
80		1,3-dichloropropane		NA				
			True	Calc.	% Drift			
81		butyl acetate		NA				
			AvgRF	CCRF	% Dev			
82		dibromochloromethane		NA				
83		1,2-dibromoethane		NA				
84		n-butyl ether		NA				
85		chlorobenzene		NA				
86		1,1,1,2-tetrachloroethane		NA				
87		ethylbenzene		NA				
88		m,p-xylene		NA				
89		o-xylene		NA				
90		styrene		NA				
91		bromoform		NA				
92		butyl acrylate		NA				
93		isopropylbenzene		NA				
			True	Calc.	% Drift			
94		cis-1,4-dichloro-2-butene		NA				
			AvgRF	CCRF	% Dev			

Initial Calibration Verification

Job Number: JE1534 **Sample:** V2S228-ICV228
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 2S009400.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

95	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	102	0.00	7.59
96	S	4-bromofluorobenzene (s)	0.945	0.939	0.6	100	0.00	7.08
97		bromobenzene	----------NA----------					
98		1,1,2,2-tetrachloroethane	----------NA----------					
99		trans-1,4-dichloro-2-bute	----------NA----------					
100		1,2,3-trichloropropane	----------NA----------					
101		n-propylbenzene	----------NA----------					
102		2-chlorotoluene	----------NA----------					
103		4-chlorotoluene	----------NA----------					
104		1,3,5-trimethylbenzene	----------NA----------					
105		tert-butylbenzene	----------NA----------					
106		1,2,4-trimethylbenzene	----------NA----------					
107		sec-butylbenzene	----------NA----------					
108		1,3-dichlorobenzene	----------NA----------					
109		p-isopropyltoluene	----------NA----------					
110		1,4-dichlorobenzene	----------NA----------					
111		1,2-dichlorobenzene	----------NA----------					
112		1,2,3-trimethylbenzene	----------NA----------					
113		n-butylbenzene	----------NA----------					
114		1,2-dibromo-3-chloropropa	----------NA----------					
115		1,3,5-trichlorobenzene	----------NA----------					
116		1,2,4-trichlorobenzene	----------NA----------					
117		hexachlorobutadiene	----------NA----------					
118		naphthalene	----------NA----------					
119		1,2,3-trichlorobenzene	----------NA----------					
		----------	True	Calc.	% Drift	----------		
120		hexachloroethane	----------NA----------					
		----------	AvgRF	CCRF	% Dev	----------		
121		benzyl chloride	----------NA----------					
122		2-methylnaphthalene	----------NA----------					

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2S009382.D m2s228.m Wed Oct 02 13:34:51 2024

Continuing Calibration Summary

Job Number: JE1534 **Sample:** V2S292-CC228
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 2S011151.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\m...024\V2S292\2S011151.D Vial: 5
Acq On : 27 Nov 2024 10:36 am Operator: KevinA
Sample : cc228-20 Inst : GCMS S
Misc : MS87533,V2S292,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\m2s228.m (RTE Integrator)
Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
Last Update : Tue Oct 01 15:53:48 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	154	0.00	2.73
			True	Calc.	% Drift			
2		ethanol	2000.000	2120.577	-6.0	166	0.00	2.01
			AvgRF	CCRF	% Dev			
3	M	tertiary butyl alcohol	1.035	1.027	0.8	159	-0.01	2.79
4		1,4-dioxane	0.072	0.098	-36.1#	197	0.00	5.34
5	I	pentafluorobenzene	1.000	1.000	0.0	124	0.00	4.62
6		chlorodifluoromethane	0.584	0.438	25.0#	86	0.00	1.22
7		dichlorodifluoromethane	0.719	0.638	11.3	107	0.00	1.18
8		chloromethane	0.637	0.516	19.0	99	0.00	1.32
9		vinyl chloride	0.601	0.457	24.0#	92	0.00	1.36
10		1,3-butadiene	0.416	0.277	33.4#	79	0.00	1.37
			True	Calc.	% Drift			
11		bromomethane	20.000	11.282	43.6#	74	0.00	1.56
			AvgRF	CCRF	% Dev			
12		chloroethane	0.318	0.251	21.1#	95	0.00	1.64
13		trichlorofluoromethane	0.633	0.607	4.1	115	0.00	1.73
14		ethyl ether	0.233	0.198	15.0	101	0.00	1.92
15		acrolein	0.109	0.092	15.6	107	0.00	2.30
16		freon 113	0.274	0.232	15.3	101	0.00	2.09
17		1,1-dichloroethene	0.588	0.467	20.6#	92	0.00	2.06
18		acetone	0.049	0.051	-4.1	127	0.00	2.53
19		acetonitrile	0.063	0.070	-11.1	141	0.00	2.93
			True	Calc.	% Drift			
20		iodomethane	20.000	6.517	67.4#	37	0.00	2.18
			AvgRF	CCRF	% Dev			
21		carbon disulfide	1.098	0.841	23.4#	91	0.00	2.10
22		methylene chloride	0.474	0.363	23.4#	101	0.00	2.50
			True	Calc.	% Drift			
23		methyl acetate	20.000	18.266	8.7	127	-0.01	2.63
24		methyl tert butyl ether	20.000	17.250	13.8	105	-0.01	2.72
			AvgRF	CCRF	% Dev			
25		trans-1,2-dichloroethene	0.385	0.330	14.3	101	-0.01	2.63

Continuing Calibration Summary

Job Number: JE1534 **Sample:** V2S292-CC228
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 2S011151.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

26		hexane	0.954	0.707	25.9#	89	-0.01	2.70
27		di-isopropyl ether	1.382	1.057	23.5#	92	-0.01	3.08
28		ethyl tert-butyl ether	1.271	1.017	20.0	95	0.00	3.45
			True	Calc.	% Drift			
29		2-butanone	80.000	72.598	9.3	123	0.00	4.35
			AvgRF	CCRF	% Dev			
30	M	1,1-dichloroethane	0.794	0.701	11.7	103	-0.01	3.19
31		chloroprene	0.689	0.506	26.6#	87	-0.01	3.17
32		acrylonitrile	0.185	0.176	4.9	114	0.00	3.23
			True	Calc.	% Drift			
33		vinyl acetate	20.000	18.244	8.8	119	0.00	3.45
34		ethyl acetate	20.000	16.646	16.8	114	0.00	4.20
			AvgRF	CCRF	% Dev			
35		2,2-dichloropropane	0.521	0.443	15.0	101	0.00	3.88
36		cis-1,2-dichloroethene	0.426	0.389	8.7	108	0.00	3.76
37		propionitrile	0.086	0.091	-5.8	133	0.00	4.56
			True	Calc.	% Drift			
38		methyl acrylate	20.000	16.748	16.3	115	0.00	4.21
			AvgRF	CCRF	% Dev			
39		bromochloromethane	0.206	0.203	1.5	115	-0.01	3.98
40		tetrahydrofuran	0.073	0.061	16.4	120	0.00	4.22
41		chloroform	0.201	0.167	16.9	101	0.00	4.07
42	S	dibromofluoromethane (s)	0.617	0.587	4.9	118	0.00	4.25
43		methacrylonitrile	0.223	0.189	15.2	113	-0.01	4.57
44		1,1,1-trichloroethane	0.600	0.572	4.7	108	0.00	4.26
45		cyclohexane	0.599	0.468	21.9#	93	0.00	3.99
			True	Calc.	% Drift			
46		1,1-dichloropropene	20.000	16.014	19.9	103	0.00	4.37
			AvgRF	CCRF	% Dev			
47		carbon tetrachloride	0.537	0.538	-0.2	115	0.00	4.20
			True	Calc.	% Drift			
48		isobutyl alcohol	200.000	216.413	-8.2	154	0.00	4.71
			AvgRF	CCRF	% Dev			
49		tert-amyl alcohol	0.024	0.026	-8.3	142	0.00	4.77
50	I	1,4-difluorobenzene	1.000	1.000	0.0	114	0.00	4.93
51	S	1,2-dichloroethane-d4 (s)	0.371	0.392	-5.7	118	0.00	4.64
52		iso-octane	0.749	0.600	19.9	91	0.00	4.46
53	M	benzene	0.800	0.776	3.0	106	0.00	4.55
54		tert-amyl methyl ether	0.540	0.495	8.3	106	0.00	4.64
55		heptane	0.156	0.125	19.9	88	0.00	4.54
			True	Calc.	% Drift			
56		isopropyl acetate	20.000	17.054	14.7	113	0.00	4.85
			AvgRF	CCRF	% Dev			
57		1,2-dichloroethane	0.336	0.321	4.5	110	0.00	4.68
			True	Calc.	% Drift			
58		n-butyl alcohol	1000.000	1240.807	-24.1#	177	0.00	5.10

Continuing Calibration Summary

Job Number: JE1534 **Sample:** V2S292-CC228
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 2S011151.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

			AvgRF	CCRF	% Dev			
59		ethyl acrylate	0.361	0.321	11.1	105	0.00	5.21
60		trichloroethene	0.210	0.210	0.0	107	0.00	4.92
61		2-nitropropane	0.080	0.067	16.2	100	0.00	5.85
62		2-chloroethyl vinyl ether	0.143	0.124	13.3	92	0.00	5.56
			True	Calc.	% Drift			
63		methyl methacrylate	20.000	16.594	17.0	109	0.00	5.33
			AvgRF	CCRF	% Dev			
64		1,2-dichloropropane	0.229	0.216	5.7	104	0.00	5.20
65		methylcyclohexane	0.179	0.153	14.5	98	0.00	4.91
66		dibromomethane	0.142	0.145	-2.1	118	0.00	5.14
67		bromodichloromethane	0.286	0.296	-3.5	115	0.00	5.23
			True	Calc.	% Drift			
68		epichlorohydrin	100.000	101.145	-1.1	131	0.00	5.73
			AvgRF	CCRF	% Dev			
69		cis-1,3-dichloropropene	0.326	0.321	1.5	107	-0.01	5.59
			True	Calc.	% Drift			
70		4-methyl-2-pentanone	80.000	76.410	4.5	109	0.00	5.93
71		3-methyl-1-butanol	400.000	528.733	-32.2#	184	0.00	5.82
			AvgRF	CCRF	% Dev			
72	I	chlorobenzene-d5	1.000	1.000	0.0	114	0.00	6.51
73	S	toluene-d8 (s)	1.333	1.335	-0.2	115	0.00	5.70
74		toluene	0.599	0.579	3.3	106	0.00	5.73
75		ethyl methacrylate	0.300	0.292	2.7	106	0.00	6.03
76		trans-1,3-dichloropropene	0.364	0.373	-2.5	113	0.00	5.96
77		1,1,2-trichloroethane	0.190	0.198	-4.2	115	0.00	6.04
78		tetrachloroethene	0.244	0.263	-7.8	116	0.00	5.94
79		2-hexanone	0.124	0.126	-1.6	109	0.00	6.36
80		1,3-dichloropropane	0.392	0.404	-3.1	113	0.00	6.18
			True	Calc.	% Drift			
81		butyl acetate	20.000	16.877	15.6	106	0.00	6.31
			AvgRF	CCRF	% Dev			
82		dibromochloromethane	0.275	0.293	-6.5	119	0.00	6.13
83		1,2-dibromoethane	0.241	0.249	-3.3	115	0.00	6.25
84		n-butyl ether	1.117	1.023	8.4	95	0.00	6.46
85		chlorobenzene	0.662	0.666	-0.6	112	0.00	6.52
86		1,1,1,2-tetrachloroethane	0.225	0.247	-9.8	118	0.00	6.55
87		ethylbenzene	1.135	1.078	5.0	106	0.00	6.53
88		m,p-xylene	0.435	0.429	1.4	105	0.00	6.59
89		o-xylene	0.410	0.398	2.9	107	0.00	6.80
90		styrene	0.705	0.708	-0.4	107	0.00	6.83
91		bromoform	0.191	0.224	-17.3	130	0.00	6.85
92		butyl acrylate	0.499	0.479	4.0	103	0.00	6.87
93		isopropylbenzene	0.945	0.933	1.3	105	0.00	6.95
			True	Calc.	% Drift			
94		cis-1,4-dichloro-2-butene	20.000	15.218	23.9#	74	0.00	7.10
			AvgRF	CCRF	% Dev			

Continuing Calibration Summary

Job Number: JE1534 **Sample:** V2S292-CC228
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 2S011151.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

95	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	124	0.00	7.59
96	S	4-bromofluorobenzene (s)	0.945	0.861	8.9	112	0.00	7.08
97		bromobenzene	0.492	0.490	0.4	119	0.00	7.14
98		1,1,2,2-tetrachloroethane	0.591	0.577	2.4	115	0.00	7.16
99		trans-1,4-dichloro-2-bute	0.221	0.179	19.0	99	0.00	7.24
100		1,2,3-trichloropropane	0.193	0.193	0.0	120	0.00	7.23
101		n-propylbenzene	2.431	2.234	8.1	107	0.00	7.14
102		2-chlorotoluene	0.485	0.447	7.8	103	0.00	7.21
103		4-chlorotoluene	1.550	1.445	6.8	109	0.00	7.29
104		1,3,5-trimethylbenzene	1.754	1.608	8.3	106	0.00	7.22
105		tert-butylbenzene	1.469	1.312	10.7	104	0.00	7.37
106		1,2,4-trimethylbenzene	1.795	1.671	6.9	107	0.00	7.40
107		sec-butylbenzene	2.085	1.880	9.8	102	0.00	7.44
108		1,3-dichlorobenzene	1.003	0.973	3.0	113	0.00	7.55
109		p-isopropyltoluene	1.837	1.698	7.6	105	0.00	7.51
110		1,4-dichlorobenzene	1.032	1.014	1.7	118	0.00	7.59
111		1,2-dichlorobenzene	0.989	0.943	4.7	115	0.00	7.78
112		1,2,3-trimethylbenzene	1.930	1.816	5.9	111	0.00	7.59
113		n-butylbenzene	0.978	0.895	8.5	104	0.00	7.69
114		1,2-dibromo-3-chloropropa	0.170	0.172	-1.2	125	0.00	8.13
115		1,3,5-trichlorobenzene	0.711	0.719	-1.1	119	0.00	8.14
116		1,2,4-trichlorobenzene	0.650	0.633	2.6	116	0.00	8.42
117		hexachlorobutadiene	0.263	0.259	1.5	118	0.00	8.40
118		naphthalene	2.092	1.831	12.5	103	0.00	8.57
119		1,2,3-trichlorobenzene	0.621	0.626	-0.8	119	0.00	8.66
			True	Calc.	% Drift			
120		hexachloroethane	20.000	16.075	19.6	112	0.00	7.77
			AvgRF	CCRF	% Dev			
121		benzyl chloride	0.246	0.226	8.1	120	0.00	7.70
122		2-methylnaphthalene	1.011	0.712	29.6#	89	0.00	9.05

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2S009380.D m2s228.m Thu Nov 28 15:49:01 2024

Continuing Calibration Summary

Job Number: JE1534 **Sample:** V2S292-CC228
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 2S011152.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\m...024\V2S292\2S011152.D Vial: 6
Acq On : 27 Nov 2024 11:12 am Operator: KevinA
Sample : cc228-1 Inst : GCMS S
Misc : MS87533,V2S292,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\m2s228.m (RTE Integrator)
Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
Last Update : Tue Oct 01 15:53:48 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 200% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	117	0.00	2.73
		---------- True	Calc.	% Drift	----------			
2		ethanol	----------NA----------					
		---------- AvgRF	CCRF	% Dev	----------			
3	M	tertiary butyl alcohol	----------NA----------					
4		1,4-dioxane	----------NA----------					
5	I	pentafluorobenzene	1.000	1.000	0.0	113	0.00	4.62
6		chlorodifluoromethane	0.584	0.613	-5.0	136	0.00	1.21
7		dichlorodifluoromethane	----------NA----------					
8		chloromethane	----------NA----------					
9		vinyl chloride	0.601	0.525	12.6	94	0.00	1.35
10		1,3-butadiene	0.416	0.445	-7.0	142	0.00	1.36
		---------- True	Calc.	% Drift	----------			
11		bromomethane	1.000	1.918	-91.8	0	0.00	1.56
		---------- AvgRF	CCRF	% Dev	----------			
12		chloroethane	0.318	0.328	-3.1	105	0.00	1.64
13		trichlorofluoromethane	----------NA----------					
14		ethyl ether	----------NA----------					
15		acrolein	----------NA----------					
16		freon 113	----------NA----------					
17		1,1-dichloroethene	0.588	0.510	13.3	112	0.00	2.06
18		acetone	----------NA----------					
19		acetonitrile	----------NA----------					
		---------- True	Calc.	% Drift	----------			
20		iodomethane	1.000	2.002	-100.2	0	0.00	2.17
		---------- AvgRF	CCRF	% Dev	----------			
21		carbon disulfide	1.098	1.213	-10.5	137	0.00	2.10
22		methylene chloride	0.474	0.484	-2.1	87	0.00	2.49
		---------- True	Calc.	% Drift	----------			
23		methyl acetate	----------NA----------					
24		methyl tert butyl ether	----------NA----------					
		---------- AvgRF	CCRF	% Dev	----------			
25		trans-1,2-dichloroethene	----------NA----------					

Continuing Calibration Summary

Job Number: JE1534 **Sample:** V2S292-CC228
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 2S011152.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

26		hexane	0.954	0.746	21.8	0#	-0.01		2.70
27		di-isopropyl ether	1.382	1.061	23.2	95	-0.01		3.08
28		ethyl tert-butyl ether		----------NA----------					
		----------	True	Calc.	% Drift	----------			
29		2-butanone		----------NA----------					
		----------	AvgRF	CCRF	% Dev	----------			
30	M	1,1-dichloroethane		----------NA----------					
31		chloroprene	0.689	0.478	30.6	0#	0.00		3.18
32		acrylonitrile		----------NA----------					
		----------	True	Calc.	% Drift	----------			
33		vinyl acetate		----------NA----------					
34		ethyl acetate		----------NA----------					
		----------	AvgRF	CCRF	% Dev	----------			
35		2,2-dichloropropane		----------NA----------					
36		cis-1,2-dichloroethene		----------NA----------					
37		propionitrile		----------NA----------					
		----------	True	Calc.	% Drift	----------			
38		methyl acrylate		----------NA----------					
		----------	AvgRF	CCRF	% Dev	----------			
39		bromochloromethane		----------NA----------					
40		tetrahydrofuran		----------NA----------					
41		chloroform		----------NA----------					
42	S	dibromofluoromethane (s)	0.617	0.646	-4.7	117	0.00		4.25
43		methacrylonitrile		----------NA----------					
44		1,1,1-trichloroethane		----------NA----------					
45		cyclohexane	0.599	0.422	29.5	92	0.00		3.99
		----------	True	Calc.	% Drift	----------			
46		1,1-dichloropropene		----------NA----------					
		----------	AvgRF	CCRF	% Dev	----------			
47		carbon tetrachloride		----------NA----------					
		----------	True	Calc.	% Drift	----------			
48		isobutyl alcohol		----------NA----------					
		----------	AvgRF	CCRF	% Dev	----------			
49		tert-amyl alcohol		----------NA----------					
50	I	1,4-difluorobenzene	1.000	1.000	0.0	108	0.00		4.93
51	S	1,2-dichloroethane-d4 (s)	0.371	0.392	-5.7	113	0.00		4.63
52		iso-octane		----------NA----------					
53	M	benzene		----------NA----------					
54		tert-amyl methyl ether		----------NA----------					
55		heptane		----------NA----------					
		----------	True	Calc.	% Drift	----------			
56		isopropyl acetate		----------NA----------					
		----------	AvgRF	CCRF	% Dev	----------			
57		1,2-dichloroethane		----------NA----------					
		----------	True	Calc.	% Drift	----------			
58		n-butyl alcohol		----------NA----------					

Continuing Calibration Summary

Job Number: JE1534 **Sample:** V2S292-CC228
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 2S011152.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

			AvgRF	CCRF	% Dev			
59		ethyl acrylate		NA				
60		trichloroethene		NA				
61		2-nitropropane		NA				
62		2-chloroethyl vinyl ether		NA				
			True	Calc.	% Drift			
63		methyl methacrylate		NA				
			AvgRF	CCRF	% Dev			
64		1,2-dichloropropane		NA				
65		methylcyclohexane		NA				
66		dibromomethane		NA				
67		bromodichloromethane		NA				
			True	Calc.	% Drift			
68		epichlorohydrin		NA				
			AvgRF	CCRF	% Dev			
69		cis-1,3-dichloropropene		NA				
			True	Calc.	% Drift			
70		4-methyl-2-pentanone		NA				
71		3-methyl-1-butanol		NA				
			AvgRF	CCRF	% Dev			
72	I	chlorobenzene-d5	1.000	1.000	0.0	110	0.00	6.51
73	S	toluene-d8 (s)	1.333	1.275	4.4	107	0.00	5.70
74		toluene		NA				
75		ethyl methacrylate		NA				
76		trans-1,3-dichloropropene		NA				
77		1,1,2-trichloroethane		NA				
78		tetrachloroethene		NA				
79		2-hexanone		NA				
80		1,3-dichloropropane		NA				
			True	Calc.	% Drift			
81		butyl acetate		NA				
			AvgRF	CCRF	% Dev			
82		dibromochloromethane		NA				
83		1,2-dibromoethane		NA				
84		n-butyl ether		NA				
85		chlorobenzene		NA				
86		1,1,1,2-tetrachloroethane		NA				
87		ethylbenzene		NA				
88		m,p-xylene		NA				
89		o-xylene		NA				
90		styrene		NA				
91		bromoform		NA				
92		butyl acrylate		NA				
93		isopropylbenzene		NA				
			True	Calc.	% Drift			
94		cis-1,4-dichloro-2-butene	1.000	2.121	-112.1	0	0.00	7.10
			AvgRF	CCRF	% Dev			

Continuing Calibration Summary

Job Number: JE1534 **Sample:** V2S292-CC228
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 2S011152.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

95	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	114	0.00	7.59
96	S	4-bromofluorobenzene (s)	0.945	0.858	9.2	106	0.00	7.08
97		bromobenzene		----------NA----------				
98		1,1,2,2-tetrachloroethane		----------NA----------				
99		trans-1,4-dichloro-2-bute		----------NA----------				
100		1,2,3-trichloropropane		----------NA----------				
101		n-propylbenzene		----------NA----------				
102		2-chlorotoluene		----------NA----------				
103		4-chlorotoluene		----------NA----------				
104		1,3,5-trimethylbenzene		----------NA----------				
105		tert-butylbenzene		----------NA----------				
106		1,2,4-trimethylbenzene		----------NA----------				
107		sec-butylbenzene		----------NA----------				
108		1,3-dichlorobenzene		----------NA----------				
109		p-isopropyltoluene		----------NA----------				
110		1,4-dichlorobenzene		----------NA----------				
111		1,2-dichlorobenzene		----------NA----------				
112		1,2,3-trimethylbenzene		----------NA----------				
113		n-butylbenzene		----------NA----------				
114		1,2-dibromo-3-chloropropa		----------NA----------				
115		1,3,5-trichlorobenzene		----------NA----------				
116		1,2,4-trichlorobenzene		----------NA----------				
117		hexachlorobutadiene		----------NA----------				
118		naphthalene		----------NA----------				
119		1,2,3-trichlorobenzene		----------NA----------				
		----------	True	Calc.	% Drift	----------		
120		hexachloroethane		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
121		benzyl chloride		----------NA----------				
122		2-methylnaphthalene	1.011	0.672	33.5	78	0.00	9.05

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2S009372.D m2s228.m Thu Nov 28 16:00:18 2024

Initial Calibration Summary

Job Number: JE1534 **Sample:** V3C8247-ICC8247
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 3C189358.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Response Factor Report GCMS3C

Method : C:\MSDCHEM\1\METHODS\M3C8247.M (RTE Integrator)
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
Last Update : Mon Aug 19 09:54:16 2024
Response via : Initial Calibration

Calibration Files
4 =3C189355.D 8 =3C189356.D 0.5 =3C189352.D 50 =3C189358.D
100 =3C189359.D 1 =3C189353.D 200 =3C189360.D 20 =3C189357.D
2 =3C189354.D 0.2 =3C189351.D = =

Compound	4	8	0.5	50	100	1	200	20	2	0.2	Avg	%RSD
1) I tert butyl alcohol-d9	ISTD											
2) ethanol	0.164	0.140	0.137	0.160	0.158	0.120	0.146	0.140	0.142		0.145	9.47
3) tertiary butyl alcohol	0.905	0.858		0.935	0.950	0.951	0.914	0.838	0.809		0.895	6.01
4) 1,4-dioxane	0.093	0.106		0.112	0.112		0.106	0.103			0.105	6.78
5) I pentafluorobenzene	ISTD											
6) dichlorodifluoromethane	0.548	0.545		0.527	0.547		0.512	0.515	0.565		0.537	3.59
7) chlorodifluoromethane	0.474	0.462		0.443	0.457	0.514	0.432	0.435	0.498		0.464	6.35
8) chloromethane	0.476	0.448		0.431	0.456	0.478	0.424	0.435	0.470		0.452	4.66
9) 1,3-butadiene *This compound fails initial calibration criteria.*	0.250	0.268		0.275	0.282		0.271	0.274			0.270	4.09
10) vinyl chloride	0.395	0.394	0.349	0.391	0.414	0.399	0.392	0.389	0.415		0.393	4.82
11) bromomethane	0.317	0.297	0.237	0.256	0.279	0.313	0.267	0.263	0.306		0.282	9.93
12) chloroethane	0.204	0.220	0.174	0.220	0.235	0.198	0.246	0.210	0.211		0.213	9.83
13) trichlorofluoromethane	0.493	0.446	0.470	0.489	0.525	0.497	0.504	0.490	0.448	0.509	0.487	5.25
14) ethyl ether	0.191	0.192	0.169	0.210	0.223	0.170	0.212	0.196	0.184		0.194	9.44
15) acrolein	0.031	0.026		0.029	0.032		0.029	0.025			0.028	9.27
16) freon 113	0.248	0.232	0.214	0.243	0.250	0.241	0.236	0.229	0.242		0.237	4.72
17) 1,1-dichloroethene	0.271	0.288	0.230	0.286	0.287	0.249	0.275	0.268	0.248		0.267	7.62
18) acetone	0.036	0.032		0.031	0.031		0.030	0.029	0.027		0.031	9.72
19) acetonitrile	0.048	0.045		0.041	0.042		0.040	0.040	0.046		0.043	7.15
20) iodomethane	0.207	0.253		0.390	0.445		0.444	0.310			0.341	29.42
----- Linear regression ----- Coefficient = 0.9967												
Response Ratio = -0.02692 + 0.44463 *A												
21) carbon disulfide	1.115	1.103	1.299	1.072	1.115	1.255	1.080	1.043	1.125		1.134	7.54

Initial Calibration Summary

Job Number: JE1534 **Sample:** V3C8247-ICC8247
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 3C189358.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

22) methylene chloride
0.420 0.394 0.379 0.394 0.382 0.371 0.436 0.397 5.85
23) methyl acetate
0.042 0.049 0.053 0.055 0.053 0.048 0.050 9.36
24) methyl tert butyl ether
0.988 0.987 0.827 1.006 1.067 0.880 1.047 0.962 0.909 0.964 8.13
25) trans-1,2-dichloroethene
0.345 0.323 0.317 0.339 0.350 0.305 0.337 0.331 0.321 0.330 4.38
26) hexane
0.606 0.553 0.611 0.538 0.567 0.568 0.536 0.541 0.571 0.566 4.90
27) di-isopropyl ether
1.113 1.152 1.093 1.162 1.238 1.088 1.205 1.125 1.047 1.059 1.128 5.44
28) ethyl tert-butyl ether
1.123 1.065 1.120 1.124 1.218 0.992 1.188 1.076 0.965 0.877 1.075 9.72
29) 2-butanone
0.036 0.037 0.039 0.040 0.038 0.039 0.037 0.033 0.037 5.84
30) 1,1-dichloroethane
0.630 0.640 0.636 0.619 0.640 0.578 0.630 0.619 0.584 0.620 3.77
31) chloroprene
0.497 0.502 0.442 0.529 0.541 0.466 0.529 0.492 0.480 0.559 0.504 7.15
32) acrylonitrile
0.101 0.094 0.098 0.101 0.083 0.096 0.088 0.084 0.093 7.84
33) vinyl acetate
0.054 0.080 0.082 0.087 0.085 0.077 0.078 15.26
34) ethyl acetate
0.052 0.048 0.050 0.053 0.052 0.053 0.043 0.050 7.61
35) 2,2-dichloropropane
0.535 0.537 0.646 0.528 0.556 0.519 0.549 0.501 0.543 0.546 7.49
36) cis-1,2-dichloroethene
0.381 0.386 0.406 0.385 0.402 0.360 0.389 0.379 0.373 0.384 3.64
37) propionitrile
0.042 0.043 0.043 0.046 0.044 0.044 0.042 0.043 0.043 2.87
38) bromochloromethane
0.229 0.226 0.206 0.232 0.240 0.221 0.238 0.222 0.209 0.225 5.30
39) tetrahydrofuran
0.136 0.111 0.101 0.100 0.095 0.097 0.107 14.38
40) chloroform
0.701 0.669 0.629 0.658 0.638 0.616 0.737 0.664 6.43
41) tert-butyl formate
0.174 0.197 0.211 0.237 0.187 0.241 0.191 0.173 0.201 13.11
42) isobutyl alcohol
0.048 0.050 0.046 0.050 0.049 0.046 0.052 0.049 4.34
43) dibromofluoromethane (s)
0.534 0.527 0.519 0.535 0.536 0.526 0.546 0.541 0.530 0.530 0.532 1.47
44) methacrylonitrile
0.127 0.117 0.126 0.133 0.126 0.123 0.104 0.122 7.73
45) 1,1,1-trichloroethane
0.502 0.528 0.501 0.538 0.561 0.438 0.543 0.518 0.523 0.517 6.80
46) cyclohexane
0.514 0.506 0.451 0.502 0.531 0.525 0.504 0.491 0.505 0.503 4.57
47) 1,1-dichloropropene
0.169 0.183 0.172 0.167 0.173 0.171 0.164 0.161 0.167 0.170 3.76
48) tert-amyl alcohol
0.027 0.031 0.030 0.031 0.031 0.028 0.029 6.15
49) carbon tetrachloride
0.482 0.463 0.451 0.469 0.457 0.429 0.486 0.462 4.19

50) I 1,4-difluorobenzene ----------ISTD----------
51) 1,2-dichloroethane-d4 (s)
0.306 0.306 0.306 0.302 0.304 0.304 0.302 0.309 0.305 0.310 0.305 0.92

Initial Calibration Summary

Job Number: JE1534 **Sample:** V3C8247-ICC8247
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 3C189358.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

52) 2,2,4-trimethylpentane
0.754 0.747 0.783 0.696 0.743 0.735 0.686 0.705 0.749 0.733 4.31
53) tert-amyl methyl ether
0.634 0.631 0.603 0.633 0.669 0.614 0.655 0.605 0.589 0.660 0.629 4.22
54) n-butyl alcohol
0.005 0.005 0.006 0.006 0.005 0.006 0.005 0.005 0.006 8.07
55) benzene
0.811 0.773 0.788 0.763 0.785 0.766 0.757 0.740 0.778 0.766 0.773 2.51
56) heptane
0.160 0.158 0.146 0.144 0.148 0.154 0.138 0.140 0.149 0.149 5.11
57) isopropyl acetate
0.173 0.177 0.181 0.193 0.154 0.190 0.173 0.150 0.174 8.86
58) 1,2-dichloroethane
0.273 0.262 0.311 0.261 0.272 0.279 0.265 0.248 0.270 0.271 6.44
59) trichloroethene
0.203 0.194 0.208 0.193 0.204 0.212 0.196 0.186 0.191 0.199 4.34
60) ethyl acrylate
0.237 0.236 0.231 0.242 0.221 0.235 0.225 0.210 0.230 4.54
61) 2-nitropropane
0.054 0.047 0.050 0.055 0.053 0.041 0.048 0.050 9.76
62) 2-chloroethyl vinyl ether
0.110 0.106 0.106 0.107 0.111 0.098 0.108 0.102 0.096 0.094 0.104 5.83
63) methyl methacrylate
0.044 0.046 0.048 0.050 0.048 0.045 0.034 0.045 11.79
64) 1,2-dichloropropane
0.196 0.198 0.223 0.196 0.206 0.191 0.198 0.191 0.184 0.198 5.59
65) methylcyclohexane
0.353 0.340 0.364 0.320 0.339 0.330 0.319 0.315 0.331 0.335 4.84
66) dibromomethane
0.117 0.119 0.128 0.117 0.124 0.116 0.116 0.110 0.108 0.117 5.19
67) bromodichloromethane
0.258 0.249 0.265 0.264 0.280 0.241 0.275 0.251 0.258 0.260 4.81
68) epichlorohydrin
0.017 0.017 0.018 0.019 0.018 0.016 0.015 0.017 7.17
69) cis-1,3-dichloropropene
0.341 0.332 0.354 0.350 0.370 0.306 0.364 0.328 0.309 0.339 6.68
70) 4-methyl-2-pentanone
0.032 0.031 0.031 0.032 0.027 0.031 0.029 0.028 0.030 6.02
71) 3-methyl-1-butanol
0.008 0.008 0.008 0.009 0.008 0.009 0.008 0.006 0.008 10.49

72) I chlorobenzene-d5 ----------ISTD----------
73) toluene-d8 (s)
1.373 1.366 1.377 1.359 1.344 1.367 1.336 1.351 1.367 1.347 1.359 1.01
74) toluene
0.588 0.564 0.608 0.555 0.567 0.558 0.548 0.541 0.581 0.568 3.73
75) trans-1,3-dichloropropene
0.339 0.330 0.332 0.351 0.375 0.316 0.370 0.322 0.300 0.337 7.31
76) ethyl methacrylate
0.266 0.267 0.252 0.275 0.289 0.236 0.281 0.264 0.248 0.264 6.30
77) 1,1,2-trichloroethane
0.169 0.163 0.184 0.164 0.171 0.149 0.168 0.160 0.150 0.164 6.63
78) 2-hexanone
0.079 0.077 0.070 0.076 0.077 0.067 0.074 0.072 0.067 0.073 6.25
79) tetrachloroethene
0.234 0.222 0.213 0.223 0.227 0.233 0.217 0.220 0.235 0.226 0.225 3.30
80) 1,3-dichloropropane
0.338 0.346 0.310 0.340 0.355 0.346 0.349 0.332 0.336 0.339 3.82
81) butyl acetate
0.151 0.138 0.136 0.137 0.149 0.133 0.130 0.147 0.140 5.54

Initial Calibration Summary

Job Number: JE1534 **Sample:** V3C8247-ICC8247
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 3C189358.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

82) dibromochloromethane
0.206 0.214 0.212 0.232 0.246 0.205 0.243 0.216 0.198 0.214 0.219 7.35
83) 1,2-dibromoethane
0.202 0.188 0.215 0.195 0.203 0.160 0.199 0.185 0.183 0.192 8.17
84) n-butyl ether
1.006 0.999 0.981 0.973 1.020 0.978 0.992 0.982 0.976 0.990 1.59
85) chlorobenzene
0.663 0.629 0.661 0.634 0.655 0.627 0.640 0.630 0.655 0.644 2.25
86) 1,1,1,2-tetrachloroethane
0.225 0.215 0.219 0.229 0.239 0.210 0.238 0.219 0.197 0.221 6.09
87) ethylbenzene
1.128 1.099 1.149 1.063 1.112 1.078 1.081 1.033 1.100 1.172 1.102 3.73
88) m,p-xylene
0.437 0.440 0.454 0.417 0.431 0.414 0.420 0.407 0.430 0.470 0.432 4.44
89) o-xylene
0.887 0.891 1.036 0.865 0.910 0.849 0.903 0.843 0.865 0.976 0.902 6.70
90) styrene
0.726 0.721 0.728 0.715 0.752 0.721 0.748 0.690 0.686 0.793 0.728 4.28
91) bromoform
0.135 0.129 0.131 0.146 0.158 0.131 0.161 0.130 0.110 0.137 11.46
92) butyl acrylate
0.414 0.395 0.386 0.423 0.449 0.396 0.447 0.386 0.370 0.378 0.404 6.86
93) isopropylbenzene
1.006 0.991 1.049 0.969 1.017 0.984 1.009 0.944 0.965 1.109 1.004 4.72
94) cis-1,4-dichloro-2-butene
0.081 0.083 0.088 0.097 0.074 0.099 0.082 0.077 0.085 10.49

95) I 1,4-dichlorobenzene-d ----------ISTD----------
96) 4-bromofluorobenzene (s)
0.937 0.934 0.945 0.929 0.917 0.937 0.918 0.934 0.942 0.941 0.933 1.02
97) bromobenzene
0.518 0.476 0.489 0.492 0.493 0.509 0.488 0.472 0.458 0.488 3.77
98) 1,1,2,2-tetrachloroethane
0.496 0.453 0.442 0.463 0.477 0.456 0.463 0.444 0.431 0.516 0.464 5.58
99) trans-1,4-dichloro-2-butene
0.062 0.074 0.080 0.084 0.084 0.071 0.059 0.073 13.52
100) 1,2,3-trichloropropane
0.133 0.148 0.134 0.139 0.142 0.134 0.129 0.122 0.135 5.86
101) n-propylbenzene
2.486 2.386 2.637 2.304 2.365 2.526 2.299 2.272 2.461 2.415 5.03
102) 2-chlorotoluene
0.474 0.472 0.446 0.456 0.466 0.449 0.453 0.444 0.438 0.486 0.458 3.35
103) 4-chlorotoluene
0.538 0.492 0.552 0.479 0.499 0.513 0.486 0.486 0.501 0.505 4.90
104) 1,3,5-trimethylbenzene
1.674 1.676 1.830 1.632 1.698 1.725 1.685 1.580 1.651 1.683 4.08
105) tert-butylbenzene
1.468 1.489 1.525 1.421 1.460 1.439 1.429 1.386 1.380 1.444 3.26
106) 1,2,4-trimethylbenzene
1.777 1.716 1.904 1.723 1.803 1.717 1.767 1.672 1.662 1.749 4.25
107) sec-butylbenzene
2.239 2.205 2.391 2.117 2.215 2.123 2.157 2.071 2.116 2.182 4.39
108) 1,3-dichlorobenzene
1.050 1.008 1.142 0.984 1.028 1.083 0.989 0.956 1.018 1.029 5.53
109) p-isopropyltoluene
1.897 1.855 1.963 1.812 1.932 1.944 1.862 1.767 1.792 1.869 3.73
110) 1,4-dichlorobenzene
1.085 1.036 1.258 1.006 1.050 1.179 1.020 0.980 1.022 1.071 8.49
111) 1,2,3-trimethylbenzene
1.859 1.821 2.047 1.824 1.913 1.849 1.874 1.762 1.831 1.864 4.30

Initial Calibration Summary

Job Number: JE1534 **Sample:** V3C8247-ICC8247
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 3C189358.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

```
112)  1,2-dichlorobenzene
       1.018 0.978 1.147 0.958 1.000 0.968 0.966 0.933 0.971        0.993    6.30
113)  n-butylbenzene
       0.987 0.939 1.056 0.933 0.986 0.965 0.951 0.915 0.937        0.963    4.41
114)  1,2-dibromo-3-chloropropane
       0.096 0.102       0.114 0.116 0.101 0.111 0.104 0.093        0.105    7.79
115)  1,3,5-trichlorobenzene
       0.783 0.717       0.727 0.767 0.766 0.713 0.716 0.743        0.742    3.68
116)  1,2,4-trichlorobenzene
       0.688 0.668       0.663 0.684 0.659 0.639 0.639 0.637        0.660    3.03
117)  hexachlorobutadiene
       0.343 0.335       0.324 0.332 0.374 0.314 0.328 0.327        0.335    5.36
118)  naphthalene
       1.620 1.574 1.973 1.646 1.659 1.613 1.546 1.572 1.520        1.636    8.21
119)  1,2,3-trichlorobenzene
       0.622 0.612       0.605 0.625 0.608 0.584 0.587 0.573        0.602    3.14
120)  hexachloroethane
       0.242 0.222       0.254 0.273 0.204 0.270 0.234 0.207        0.238   11.19
121)  benzyl chloride
       0.839 0.842 0.806 0.960 1.025 0.787 1.007 0.876 0.765        0.878   10.96
122)  2-methylnaphthalene
       0.877 0.821       0.924 0.949 1.032 0.879 0.846 0.864        0.899    7.48

123)     pentafluorobenzene(a) ----------------ISTD---------------------
124)  vinyl bromide
                                                                    0.000   -1.00
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           M3C8247.M         Mon Aug 19 11:22:06 2024
```

Initial Calibration Verification

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: V3C8247-ICV8247
Lab FileID: 3C189363.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\V3C8247\3C189363.D Vial: 15
Acq On : 17 Aug 2024 1:40 am Operator: PrashanS
Sample : ICV8247-50 Inst : GCMS3C
Misc : MS83977,V3C8247,5.0,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\M3C8247.M (RTE Integrator)
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
Last Update : Mon Aug 19 09:54:16 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	107	0.00	2.22
2		ethanol	0.145	0.153	-5.5	102	0.00	1.70
3		tertiary butyl alcohol	0.895	0.867	3.1	99	0.00	2.28
4		1,4-dioxane	0.105	0.110	-4.8	104	0.00	4.74
5	I	pentafluorobenzene	1.000	1.000	0.0	104	0.00	3.56
6		dichlorodifluoromethane	0.537	0.400	25.5	79	0.00	0.93
7		chlorodifluoromethane		----------NA----------				
8		chloromethane	0.452	0.424	6.2	102	0.00	1.07
9		1,3-butadiene	0.270	0.354	-31.1#	134	0.00	1.13
10		vinyl chloride	0.393	0.365	7.1	97	0.00	1.11
11		bromomethane	0.282	0.267	5.3	108	0.00	1.32
12		chloroethane	0.213	0.227	-6.6	107	0.00	1.38
13		trichlorofluoromethane	0.487	0.447	8.2	95	0.00	1.52
14		ethyl ether	0.194	0.212	-9.3	105	0.00	1.70
15		acrolein	0.028	0.031	-10.7	113	0.00	1.82
16		freon 113	0.237	0.241	-1.7	103	0.00	1.83
17		1,1-dichloroethene	0.267	0.277	-3.7	101	0.00	1.85
18		acetone	0.031	0.028	9.7	96	0.00	1.92
19		acetonitrile	0.043	0.044	-2.3	111	0.00	2.15
		----------	True	Calc.	% Drift	----------		
20		iodomethane	50.000	45.189	9.6	100	0.00	1.96
		----------	AvgRF	CCRF	% Dev	----------		
21		carbon disulfide	1.134	1.000	11.8	97	0.00	1.98
22		methylene chloride	0.397	0.373	6.0	103	0.00	2.21
23		methyl acetate	0.050	0.054	-8.0	107	0.00	2.12
24		methyl tert butyl ether	0.964	1.002	-3.9	104	0.00	2.34
25		trans-1,2-dichloroethene	0.330	0.333	-0.9	102	0.00	2.36
26		hexane	0.566	0.526	7.1	102	0.00	2.49
27		di-isopropyl ether	1.128	1.100	2.5	99	0.00	2.67
28		ethyl tert-butyl ether	1.075	1.073	0.2	99	0.00	2.93
29		2-butanone	0.037	0.038	-2.7	103	0.00	3.14
30		1,1-dichloroethane	0.620	0.608	1.9	102	0.00	2.68
31		chloroprene	0.504	0.523	-3.8	103	0.00	2.72
32		acrylonitrile	0.093	0.099	-6.5	105	0.00	2.42
33		vinyl acetate	0.078	0.076	2.6	97	0.00	2.71
34		ethyl acetate	0.050	0.050	0.0	104	0.00	3.16
35		2,2-dichloropropane	0.546	0.518	5.1	102	0.00	3.09
36		cis-1,2-dichloroethene	0.384	0.380	1.0	103	0.00	3.13
37		propionitrile	0.043	0.043	0.0	104	0.00	3.25

Initial Calibration Verification

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: V3C8247-ICV8247
Lab FileID: 3C189363.D

38		bromochloromethane	0.225	0.231	-2.7	103	0.00	3.32
39		tetrahydrofuran	0.107	0.096	10.3	99	0.00	3.32
40		chloroform	0.664	0.621	6.5	103	0.00	3.38
41		tert-butyl formate	0.201	0.247	-22.9	122	0.00	3.38
42		isobutyl alcohol	0.049	0.047	4.1	105	0.00	3.77
43	S	dibromofluoromethane (s)	0.532	0.532	0.0	104	0.00	3.51
44		methacrylonitrile	0.122	0.127	-4.1	105	0.00	3.34
45		1,1,1-trichloroethane	0.517	0.535	-3.5	104	0.00	3.48
46		cyclohexane	0.503	0.542	-7.8	112	0.00	3.46
47		1,1-dichloropropene	0.170	0.166	2.4	104	0.00	3.61
48		tert-amyl alcohol	0.029	0.029	0.0	102	0.00	3.84
49		carbon tetrachloride	0.462	0.432	6.5	100	0.00	3.58
50	I	1,4-difluorobenzene	1.000	1.000	0.0	104	0.00	4.17
51	S	1,2-dichloroethane-d4 (s)	0.305	0.300	1.6	103	0.00	3.80
52		2,2,4-trimethylpentane	0.733	0.683	6.8	102	0.00	3.76
53		tert-amyl methyl ether	0.629	0.606	3.7	100	0.00	3.85
54		n-butyl alcohol	0.006	0.006	0.0	102	0.00	4.38
55		benzene	0.773	0.752	2.7	103	0.00	3.78
56		heptane	0.149	0.150	-0.7	109	0.00	3.95
57		isopropyl acetate	0.174	0.173	0.6	99	0.00	3.86
58		1,2-dichloroethane	0.271	0.258	4.8	103	0.00	3.87
59		trichloroethene	0.199	0.192	3.5	104	0.00	4.37
60		ethyl acrylate	0.230	0.216	6.1	97	0.00	4.50
61		2-nitropropane	0.050	0.051	-2.0	106	0.00	5.19
62		2-chloroethyl vinyl ether	0.104	0.116	-11.5	113	0.00	5.22
63		methyl methacrylate	0.045	0.049	-8.9	108	0.00	4.73
64		1,2-dichloropropane	0.198	0.195	1.5	104	0.00	4.62
65		methylcyclohexane	0.335	0.336	-0.3	109	0.00	4.47
66		dibromomethane	0.117	0.117	0.0	105	0.00	4.74
67		bromodichloromethane	0.260	0.268	-3.1	106	0.00	4.89
68		epichlorohydrin	0.017	0.018	-5.9	102	0.00	5.31
69		cis-1,3-dichloropropene	0.339	0.345	-1.8	103	0.00	5.35
70		4-methyl-2-pentanone	0.030	0.032	-6.7	108	0.00	5.50
71		3-methyl-1-butanol	0.008	0.008	0.0	102	0.00	5.62
72	I	chlorobenzene-d5	1.000	1.000	0.0	103	0.00	6.92
73	S	toluene-d8 (s)	1.359	1.374	-1.1	104	0.00	5.55
74		toluene	0.568	0.547	3.7	101	0.00	5.62
75		trans-1,3-dichloropropene	0.337	0.354	-5.0	104	0.00	5.94
76		ethyl methacrylate	0.264	0.259	1.9	97	0.00	5.98
77		1,1,2-trichloroethane	0.164	0.168	-2.4	106	0.00	6.10
78		2-hexanone	0.073	0.075	-2.7	101	0.00	6.32
79		tetrachloroethene	0.225	0.265	-17.8	122	0.00	6.12
80		1,3-dichloropropane	0.339	0.345	-1.8	104	0.00	6.25
81		butyl acetate	0.140	0.137	2.1	103	0.00	6.42
82		dibromochloromethane	0.219	0.230	-5.0	102	0.00	6.43
83		1,2-dibromoethane	0.192	0.201	-4.7	106	0.00	6.53
84		n-butyl ether	0.990	0.988	0.2	104	0.00	7.02
85		chlorobenzene	0.644	0.631	2.0	102	0.00	6.94
86		1,1,1,2-tetrachloroethane	0.221	0.229	-3.6	103	0.00	7.03
87		ethylbenzene	1.102	1.082	1.8	105	0.00	7.02
88		m,p-xylene	0.432	0.420	2.8	104	0.00	7.13
89		o-xylene	0.902	0.897	0.6	107	0.00	7.47
90		styrene	0.728	0.676	7.1	97	0.00	7.50
91		bromoform	0.137	0.143	-4.4	101	0.00	7.67
92		butyl acrylate	0.404	0.425	-5.2	103	0.00	7.48
93		isopropylbenzene	1.004	1.031	-2.7	109	0.00	7.77
94		cis-1,4-dichloro-2-butene	0.085	0.083	2.4	97	0.00	7.91

Initial Calibration Verification

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: V3C8247-ICV8247
Lab FileID: 3C189363.D

95	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	104	0.00	8.87
96	S	4-bromofluorobenzene (s)	0.933	0.926	0.8	104	0.00	7.94
97		bromobenzene	0.488	0.485	0.6	103	0.00	8.04
98		1,1,2,2-tetrachloroethane	0.464	0.454	2.2	102	0.00	8.11
99		trans-1,4-dichloro-2-bute	0.073	0.082	-12.3	106	0.00	8.16
100		1,2,3-trichloropropane	0.135	0.135	0.0	105	0.00	8.14
101		n-propylbenzene	2.415	2.287	5.3	103	0.00	8.12
102		2-chlorotoluene	0.458	0.452	1.3	103	0.00	8.20
103		4-chlorotoluene	0.505	0.481	4.8	105	0.00	8.30
104		1,3,5-trimethylbenzene	1.683	1.614	4.1	103	0.00	8.27
105		tert-butylbenzene	1.444	1.405	2.7	103	0.00	8.52
106		1,2,4-trimethylbenzene	1.749	1.718	1.8	104	0.00	8.57
107		sec-butylbenzene	2.182	2.119	2.9	104	0.00	8.70
108		1,3-dichlorobenzene	1.029	0.971	5.6	103	0.00	8.81
109		p-isopropyltoluene	1.869	1.809	3.2	104	0.00	8.82
110		1,4-dichlorobenzene	1.071	0.966	9.8	100	0.00	8.90
111		1,2,3-trimethylbenzene		----------NA----------				
112		1,2-dichlorobenzene	0.993	0.931	6.2	101	0.00	9.19
113		n-butylbenzene	0.963	0.924	4.0	103	0.00	9.15
114		1,2-dibromo-3-chloropropa	0.105	0.108	-2.9	99	0.00	9.82
115		1,3,5-trichlorobenzene	0.742	0.748	-0.8	107	0.00	9.94
116		1,2,4-trichlorobenzene	0.660	0.638	3.3	100	0.00	10.43
117		hexachlorobutadiene	0.335	0.316	5.7	102	0.00	10.52
118		naphthalene	1.636	1.594	2.6	101	0.00	10.62
119		1,2,3-trichlorobenzene	0.602	0.601	0.2	104	0.00	10.80
120		hexachloroethane	0.238	0.253	-6.3	104	0.00	9.35
121		benzyl chloride	0.878	0.910	-3.6	99	0.00	9.01
122		2-methylnaphthalene	0.899	0.921	-2.4	104	0.00	11.47
123		pentafluorobenzene(a)	1.000	1.000	0.0	104	0.00	3.56
124		vinyl bromide		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3C189358.D M3C8247.M Mon Aug 19 09:57:17 2024

Initial Calibration Verification

Job Number: JE1534 **Sample:** V3C8247-ICV8247
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 3C189364.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\V3C8247\3C189364.D Vial: 16
Acq On : 17 Aug 2024 2:06 am Operator: PrashanS
Sample : ICV8247-50 Inst : GCMS3C
Misc : MS83977,V3C8247,5.0,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\M3C8247.M (RTE Integrator)
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
Last Update : Mon Aug 19 09:54:16 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	95	0.00	2.22
2		ethanol		----------NA----------				
3		tertiary butyl alcohol		----------NA----------				
4		1,4-dioxane		----------NA----------				
5	I	pentafluorobenzene	1.000	1.000	0.0	99	0.00	3.56
6		dichlorodifluoromethane		----------NA----------				
7		chlorodifluoromethane	0.464	0.496	-6.9	111	0.00	0.96
8		chloromethane		----------NA----------				
9		1,3-butadiene		----------NA----------				
10		vinyl chloride		----------NA----------				
11		bromomethane		----------NA----------				
12		chloroethane		----------NA----------				
13		trichlorofluoromethane		----------NA----------				
14		ethyl ether		----------NA----------				
15		acrolein		----------NA----------				
16		freon 113		----------NA----------				
17		1,1-dichloroethene		----------NA----------				
18		acetone		----------NA----------				
19		acetonitrile	0.043	0.042	2.3	102	0.00	2.15
		----------	True	Calc.	% Drift	----------		
20		iodomethane		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
21		carbon disulfide		----------NA----------				
22		methylene chloride		----------NA----------				
23		methyl acetate		----------NA----------				
24		methyl tert butyl ether		----------NA----------				
25		trans-1,2-dichloroethene		----------NA----------				
26		hexane		----------NA----------				
27		di-isopropyl ether		----------NA----------				
28		ethyl tert-butyl ether		----------NA----------				
29		2-butanone		----------NA----------				
30		1,1-dichloroethane		----------NA----------				
31		chloroprene		----------NA----------				
32		acrylonitrile	0.093	0.117	-25.8	119	0.00	2.42
33		vinyl acetate		----------NA----------				
34		ethyl acetate		----------NA----------				
35		2,2-dichloropropane		----------NA----------				
36		cis-1,2-dichloroethene		----------NA----------				
37		propionitrile		----------NA----------				

Initial Calibration Verification

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: V3C8247-ICV8247
Lab FileID: 3C189364.D

38		bromochloromethane		----------NA----------					
39		tetrahydrofuran		----------NA----------					
40		chloroform		----------NA----------					
41		tert-butyl formate		----------NA----------					
42		isobutyl alcohol		----------NA----------					
43	S	dibromofluoromethane (s)	0.532	0.521	2.1	97	0.00	3.51	
44		methacrylonitrile		----------NA----------					
45		1,1,1-trichloroethane		----------NA----------					
46		cyclohexane		----------NA----------					
47		1,1-dichloropropene		----------NA----------					
48		tert-amyl alcohol		----------NA----------					
49		carbon tetrachloride		----------NA----------					
50	I	1,4-difluorobenzene	1.000	1.000	0.0	95	0.00	4.17	
51	S	1,2-dichloroethane-d4 (s)	0.305	0.304	0.3	96	0.00	3.80	
52		2,2,4-trimethylpentane		----------NA----------					
53		tert-amyl methyl ether		----------NA----------					
54		n-butyl alcohol		----------NA----------					
55		benzene		----------NA----------					
56		heptane		----------NA----------					
57		isopropyl acetate		----------NA----------					
58		1,2-dichloroethane		----------NA----------					
59		trichloroethene		----------NA----------					
60		ethyl acrylate		----------NA----------					
61		2-nitropropane		----------NA----------					
62		2-chloroethyl vinyl ether		----------NA----------					
63		methyl methacrylate		----------NA----------					
64		1,2-dichloropropane		----------NA----------					
65		methylcyclohexane		----------NA----------					
66		dibromomethane		----------NA----------					
67		bromodichloromethane		----------NA----------					
68		epichlorohydrin		----------NA----------					
69		cis-1,3-dichloropropene		----------NA----------					
70		4-methyl-2-pentanone		----------NA----------					
71		3-methyl-1-butanol		----------NA----------					
72	I	chlorobenzene-d5	1.000	1.000	0.0	98	0.00	6.92	
73	S	toluene-d8 (s)	1.359	1.355	0.3	97	0.00	5.55	
74		toluene		----------NA----------					
75		trans-1,3-dichloropropene		----------NA----------					
76		ethyl methacrylate		----------NA----------					
77		1,1,2-trichloroethane		----------NA----------					
78		2-hexanone		----------NA----------					
79		tetrachloroethene	0.225	0.225	0.0	98	0.00	6.12	
80		1,3-dichloropropane		----------NA----------					
81		butyl acetate		----------NA----------					
82		dibromochloromethane		----------NA----------					
83		1,2-dibromoethane		----------NA----------					
84		n-butyl ether		----------NA----------					
85		chlorobenzene		----------NA----------					
86		1,1,1,2-tetrachloroethane		----------NA----------					
87		ethylbenzene		----------NA----------					
88		m,p-xylene		----------NA----------					
89		o-xylene		----------NA----------					
90		styrene		----------NA----------					
91		bromoform		----------NA----------					
92		butyl acrylate		----------NA----------					
93		isopropylbenzene		----------NA----------					
94		cis-1,4-dichloro-2-butene		----------NA----------					

Initial Calibration Verification

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: V3C8247-ICV8247
Lab FileID: 3C189364.D

95	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	96	0.00	8.87
96	S	4-bromofluorobenzene (s)	0.933	0.917	1.7	95	0.00	7.94
97		bromobenzene		----------NA----------				
98		1,1,2,2-tetrachloroethane		----------NA----------				
99		trans-1,4-dichloro-2-bute		----------NA----------				
100		1,2,3-trichloropropane		----------NA----------				
101		n-propylbenzene		----------NA----------				
102		2-chlorotoluene		----------NA----------				
103		4-chlorotoluene		----------NA----------				
104		1,3,5-trimethylbenzene		----------NA----------				
105		tert-butylbenzene		----------NA----------				
106		1,2,4-trimethylbenzene		----------NA----------				
107		sec-butylbenzene		----------NA----------				
108		1,3-dichlorobenzene		----------NA----------				
109		p-isopropyltoluene		----------NA----------				
110		1,4-dichlorobenzene		----------NA----------				
111		1,2,3-trimethylbenzene	1.864	2.008	-7.7	106	0.00	8.91
112		1,2-dichlorobenzene		----------NA----------				
113		n-butylbenzene		----------NA----------				
114		1,2-dibromo-3-chloropropa		----------NA----------				
115		1,3,5-trichlorobenzene		----------NA----------				
116		1,2,4-trichlorobenzene		----------NA----------				
117		hexachlorobutadiene		----------NA----------				
118		naphthalene		----------NA----------				
119		1,2,3-trichlorobenzene		----------NA----------				
120		hexachloroethane		----------NA----------				
121		benzyl chloride		----------NA----------				
122		2-methylnaphthalene		----------NA----------				
123		pentafluorobenzene(a)	1.000	1.000	0.0	99	0.00	3.56
124		vinyl bromide		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3C189358.D M3C8247.M Mon Aug 19 10:01:27 2024

Continuing Calibration Summary

Job Number: JE1534 **Sample:** V3C8319-CC8247
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 3C191291.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\k...24\V3C8319\3C191291.D Vial: 4
Acq On : 2 Dec 2024 11:51 am Operator: PrashanS
Sample : CC8247-50 Inst : GCMS3C
Misc : MS87521,V3C8319,5.0,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\M3C8247.M (RTE Integrator)
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
Last Update : Mon Aug 19 09:54:16 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	114	0.00	2.22
2		ethanol	0.145	0.208	-43.4#	148	0.00	1.70
3		tertiary butyl alcohol	0.895	0.987	-10.3	120	0.00	2.27
4		1,4-dioxane	0.105	0.124	-18.1	126	0.00	4.74
5	I	pentafluorobenzene	1.000	1.000	0.0	150	0.00	3.55
6		dichlorodifluoromethane	0.537	0.428	20.3#	122	0.00	0.93
7		chlorodifluoromethane	0.464	0.446	3.9	151	0.00	0.96
8		chloromethane	0.452	0.464	-2.7	162	0.00	1.07
9		1,3-butadiene	0.270	0.294	-8.9	161	0.00	1.13
10		vinyl chloride	0.393	0.387	1.5	149	0.00	1.11
11		bromomethane	0.282	0.324	-14.9	191	0.00	1.32
12		chloroethane	0.213	0.248	-16.4	169	0.00	1.38
13		trichlorofluoromethane	0.487	0.475	2.5	146	0.00	1.51
14		ethyl ether	0.194	0.194	0.0	139	0.00	1.70
15		acrolein	0.028	0.059	-110.7#	309#	0.00	1.82
16		freon 113	0.237	0.230	3.0	142	0.00	1.82
17		1,1-dichloroethene	0.267	0.244	8.6	128	0.00	1.85
18		acetone	0.031	0.027	12.9	131	0.00	1.92
19		acetonitrile	0.043	0.043	0.0	156	0.00	2.15
		----------	True	Calc.	% Drift	----------		
20		iodomethane	50.000	46.638	6.7	150	0.00	1.96
		----------	AvgRF	CCRF	% Dev	----------		
21		carbon disulfide	1.134	0.931	17.9	131	0.00	1.98
22		methylene chloride	0.397	0.338	14.9	134	0.00	2.21
23		methyl acetate	0.050	0.044	12.0	126	0.00	2.12
24		methyl tert butyl ether	0.964	0.856	11.2	128	0.00	2.33
25		trans-1,2-dichloroethene	0.330	0.306	7.3	136	0.00	2.35
26		hexane	0.566	0.519	8.3	145	0.00	2.48
27		di-isopropyl ether	1.128	1.240	-9.9	160	0.00	2.67
28		ethyl tert-butyl ether	1.075	1.066	0.8	143	0.00	2.93
29		2-butanone	0.037	0.032	13.5	125	0.00	3.14
30		1,1-dichloroethane	0.620	0.585	5.6	142	0.00	2.68
31		chloroprene	0.504	0.511	-1.4	145	0.00	2.71
32		acrylonitrile	0.093	0.115	-23.7#	176	0.00	2.41
33		vinyl acetate	0.078	0.069	11.5	128	0.00	2.70
34		ethyl acetate	0.050	0.051	-2.0	153	0.00	3.15
35		2,2-dichloropropane	0.546	0.428	21.6#	122	0.00	3.09
36		cis-1,2-dichloroethene	0.384	0.351	8.6	137	0.00	3.12
37		propionitrile	0.043	0.043	0.0	148	0.00	3.24

Continuing Calibration Summary

Job Number: JE1534 **Sample:** V3C8319-CC8247
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 3C191291.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

38		bromochloromethane	0.225	0.223	0.9	145	0.00	3.32
39		tetrahydrofuran	0.107	0.098	8.4	146	0.00	3.31
40		chloroform	0.664	0.571	14.0	137	0.00	3.37
41		tert-butyl formate	0.201	0.089	55.7#	63	0.00	3.37
42		isobutyl alcohol	0.049	0.044	10.2	145	0.00	3.77
43	S	dibromofluoromethane (s)	0.532	0.489	8.1	138	0.00	3.51
44		methacrylonitrile	0.122	0.116	4.9	139	0.00	3.33
45		1,1,1-trichloroethane	0.517	0.482	6.8	135	0.00	3.47
46		cyclohexane	0.503	0.425	15.5	127	0.00	3.46
47		1,1-dichloropropene	0.170	0.154	9.4	139	0.00	3.61
48		tert-amyl alcohol	0.029	0.020	31.0#	104	0.00	3.83
49		carbon tetrachloride	0.462	0.429	7.1	143	0.00	3.58
50	I	1,4-difluorobenzene	1.000	1.000	0.0	136	0.00	4.16
51	S	1,2-dichloroethane-d4 (s)	0.305	0.304	0.3	137	0.00	3.80
52		2,2,4-trimethylpentane	0.733	0.763	-4.1	149	0.00	3.76
53		tert-amyl methyl ether	0.629	0.581	7.6	125	0.00	3.85
54		n-butyl alcohol	0.006	0.005	16.7	125	0.00	4.38
55		benzene	0.773	0.768	0.6	137	0.00	3.78
56		heptane	0.149	0.160	-7.4	151	0.00	3.94
57		isopropyl acetate	0.174	0.170	2.3	128	0.00	3.85
58		1,2-dichloroethane	0.271	0.273	-0.7	142	0.00	3.86
59		trichloroethene	0.199	0.190	4.5	134	0.00	4.37
60		ethyl acrylate	0.230	0.231	-0.4	136	0.00	4.50
61		2-nitropropane	0.050	0.042	16.0	115	0.00	5.19
62		2-chloroethyl vinyl ether	0.104	0.106	-1.9	135	0.00	5.22
63		methyl methacrylate	0.045	0.046	-2.2	130	0.00	4.72
64		1,2-dichloropropane	0.198	0.210	-6.1	146	0.00	4.61
65		methylcyclohexane	0.335	0.306	8.7	130	0.00	4.46
66		dibromomethane	0.117	0.115	1.7	134	0.00	4.74
67		bromodichloromethane	0.260	0.266	-2.3	137	0.00	4.89
68		epichlorohydrin	0.017	0.019	-11.8	142	0.00	5.30
69		cis-1,3-dichloropropene	0.339	0.341	-0.6	132	0.00	5.35
70		4-methyl-2-pentanone	0.030	0.029	3.3	128	0.00	5.50
71		3-methyl-1-butanol	0.008	0.007	12.5	121	0.00	5.61
72	I	chlorobenzene-d5	1.000	1.000	0.0	153	0.00	6.92
73	S	toluene-d8 (s)	1.359	1.184	12.9	133	0.00	5.55
74		toluene	0.568	0.486	14.4	134	0.00	5.62
75		trans-1,3-dichloropropene	0.337	0.300	11.0	131	0.00	5.94
76		ethyl methacrylate	0.264	0.233	11.7	129	0.00	5.98
77		1,1,2-trichloroethane	0.164	0.147	10.4	136	0.00	6.10
78		2-hexanone	0.073	0.070	4.1	141	0.00	6.32
79		tetrachloroethene	0.225	0.214	4.9	147	0.00	6.12
80		1,3-dichloropropane	0.339	0.295	13.0	133	0.00	6.25
81		butyl acetate	0.140	0.124	11.4	139	0.00	6.42
82		dibromochloromethane	0.219	0.231	-5.5	152	0.00	6.43
83		1,2-dibromoethane	0.192	0.180	6.3	141	0.00	6.53
84		n-butyl ether	0.990	0.926	6.5	145	0.00	7.02
85		chlorobenzene	0.644	0.575	10.7	139	0.00	6.95
86		1,1,1,2-tetrachloroethane	0.221	0.210	5.0	140	0.00	7.03
87		ethylbenzene	1.102	0.929	15.7	134	0.00	7.02
88		m,p-xylene	0.432	0.370	14.4	136	0.00	7.13
89		o-xylene	0.902	0.750	16.9	132	0.00	7.47
90		styrene	0.728	0.641	12.0	137	0.00	7.49
91		bromoform	0.137	0.148	-8.0	154	0.00	7.67
92		butyl acrylate	0.404	0.390	3.5	141	0.00	7.48
93		isopropylbenzene	1.004	0.833	17.0	131	0.00	7.77
94		cis-1,4-dichloro-2-butene	0.085	0.082	3.5	144	0.00	7.91

Continuing Calibration Summary

Job Number: JE1534 **Sample:** V3C8319-CC8247
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 3C191291.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

95	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	153	0.00	8.87
96	S	4-bromofluorobenzene (s)	0.933	0.802	14.0	132	0.00	7.94
97		bromobenzene	0.488	0.453	7.2	141	0.00	8.04
98		1,1,2,2-tetrachloroethane	0.464	0.413	11.0	137	0.00	8.11
99		trans-1,4-dichloro-2-bute	0.073	0.064	12.3	121	0.00	8.16
100		1,2,3-trichloropropane	0.135	0.122	9.6	139	0.00	8.14
101		n-propylbenzene	2.415	1.943	19.5	129	0.00	8.11
102		2-chlorotoluene	0.458	0.413	9.8	139	0.00	8.20
103		4-chlorotoluene	0.505	0.440	12.9	141	0.00	8.30
104		1,3,5-trimethylbenzene	1.683	1.391	17.3	131	0.00	8.27
105		tert-butylbenzene	1.444	1.261	12.7	136	0.00	8.52
106		1,2,4-trimethylbenzene	1.749	1.467	16.1	130	0.00	8.57
107		sec-butylbenzene	2.182	1.795	17.7	130	0.00	8.70
108		1,3-dichlorobenzene	1.029	0.926	10.0	144	0.00	8.81
109		p-isopropyltoluene	1.869	1.613	13.7	136	0.00	8.82
110		1,4-dichlorobenzene	1.071	0.944	11.9	144	0.00	8.89
111		1,2,3-trimethylbenzene	1.864	1.611	13.6	135	0.00	8.91
112		1,2-dichlorobenzene	0.993	0.897	9.7	144	0.00	9.18
113		n-butylbenzene	0.963	0.751	22.0#	123	0.00	9.14
114		1,2-dibromo-3-chloropropa	0.105	0.098	6.7	131	0.00	9.82
115		1,3,5-trichlorobenzene	0.742	0.696	6.2	147	0.00	9.94
116		1,2,4-trichlorobenzene	0.660	0.633	4.1	146	0.00	10.43
117		hexachlorobutadiene	0.335	0.293	12.5	139	0.00	10.52
118		naphthalene	1.636	1.509	7.8	140	0.00	10.61
119		1,2,3-trichlorobenzene	0.602	0.580	3.7	147	0.00	10.80
120		hexachloroethane	0.238	0.242	-1.7	146	0.00	9.34
121		benzyl chloride	0.878	0.774	11.8	124	0.00	9.01
122		2-methylnaphthalene	0.899	0.762	15.2	126	0.00	11.47
123		pentafluorobenzene(a)	1.000	1.000	0.0	150	0.00	3.55
124		vinyl bromide		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3C189358.D M3C8247.M Mon Dec 02 20:57:30 2024

Continuing Calibration Summary

Job Number: JE1534 **Sample:** V3C8319-CC8247
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 3C191292.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\k...24\V3C8319\3C191292.D Vial: 5
Acq On : 2 Dec 2024 12:28 pm Operator: PrashanS
Sample : CC8247-2 Inst : GCMS3C
Misc : MS87521,V3C8319,5.0,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\M3C8247.M (RTE Integrator)
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
Last Update : Mon Aug 19 09:54:16 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 100% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	115	0.00	2.22
2		ethanol		----------NA----------				
3		tertiary butyl alcohol		----------NA----------				
4		1,4-dioxane		----------NA----------				
5	I	pentafluorobenzene	1.000	1.000	0.0	148	0.00	3.55
6		dichlorodifluoromethane	0.537	0.243	54.7	64	0.00	0.93
7		chlorodifluoromethane		----------NA----------				
8		chloromethane		----------NA----------				
9		1,3-butadiene		----------NA----------				
10		vinyl chloride		----------NA----------				
11		bromomethane		----------NA----------				
12		chloroethane		----------NA----------				
13		trichlorofluoromethane		----------NA----------				
14		ethyl ether		----------NA----------				
15		acrolein		----------NA----------				
16		freon 113		----------NA----------				
17		1,1-dichloroethene		----------NA----------				
18		acetone		----------NA----------				
19		acetonitrile		----------NA----------				
		----------	True	Calc.	% Drift	----------		
20		iodomethane		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
21		carbon disulfide		----------NA----------				
22		methylene chloride		----------NA----------				
23		methyl acetate		----------NA----------				
24		methyl tert butyl ether		----------NA----------				
25		trans-1,2-dichloroethene		----------NA----------				
26		hexane		----------NA----------				
27		di-isopropyl ether		----------NA----------				
28		ethyl tert-butyl ether		----------NA----------				
29		2-butanone		----------NA----------				
30		1,1-dichloroethane		----------NA----------				
31		chloroprene		----------NA----------				
32		acrylonitrile		----------NA----------				
33		vinyl acetate		----------NA----------				
34		ethyl acetate		----------NA----------				
35		2,2-dichloropropane		----------NA----------				
36		cis-1,2-dichloroethene		----------NA----------				
37		propionitrile		----------NA----------				

Continuing Calibration Summary

Job Number: JE1534 **Sample:** V3C8319-CC8247
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 3C191292.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

38		bromochloromethane			----------NA----------				
39		tetrahydrofuran			----------NA----------				
40		chloroform			----------NA----------				
41		tert-butyl formate			----------NA----------				
42		isobutyl alcohol			----------NA----------				
43	S	dibromofluoromethane (s)	0.532	0.491	7.7	137	0.00	3.51	
44		methacrylonitrile			----------NA----------				
45		1,1,1-trichloroethane			----------NA----------				
46		cyclohexane			----------NA----------				
47		1,1-dichloropropene			----------NA----------				
48		tert-amyl alcohol	0.029	0.012	58.6	0#	0.01	3.84	
49		carbon tetrachloride			----------NA----------				
50	I	1,4-difluorobenzene	1.000	1.000	0.0	137	0.00	4.17	
51	S	1,2-dichloroethane-d4 (s)	0.305	0.312	-2.3	140	0.00	3.80	
52		2,2,4-trimethylpentane			----------NA----------				
53		tert-amyl methyl ether			----------NA----------				
54		n-butyl alcohol			----------NA----------				
55		benzene			----------NA----------				
56		heptane			----------NA----------				
57		isopropyl acetate			----------NA----------				
58		1,2-dichloroethane			----------NA----------				
59		trichloroethene			----------NA----------				
60		ethyl acrylate			----------NA----------				
61		2-nitropropane			----------NA----------				
62		2-chloroethyl vinyl ether			----------NA----------				
63		methyl methacrylate			----------NA----------				
64		1,2-dichloropropane			----------NA----------				
65		methylcyclohexane			----------NA----------				
66		dibromomethane			----------NA----------				
67		bromodichloromethane			----------NA----------				
68		epichlorohydrin			----------NA----------				
69		cis-1,3-dichloropropene			----------NA----------				
70		4-methyl-2-pentanone			----------NA----------				
71		3-methyl-1-butanol			----------NA----------				
72	I	chlorobenzene-d5	1.000	1.000	0.0	148	0.00	6.92	
73	S	toluene-d8 (s)	1.359	1.226	9.8	133	0.00	5.55	
74		toluene			----------NA----------				
75		trans-1,3-dichloropropene			----------NA----------				
76		ethyl methacrylate			----------NA----------				
77		1,1,2-trichloroethane			----------NA----------				
78		2-hexanone			----------NA----------				
79		tetrachloroethene			----------NA----------				
80		1,3-dichloropropane			----------NA----------				
81		butyl acetate			----------NA----------				
82		dibromochloromethane			----------NA----------				
83		1,2-dibromoethane			----------NA----------				
84		n-butyl ether			----------NA----------				
85		chlorobenzene			----------NA----------				
86		1,1,1,2-tetrachloroethane			----------NA----------				
87		ethylbenzene			----------NA----------				
88		m,p-xylene			----------NA----------				
89		o-xylene			----------NA----------				
90		styrene			----------NA----------				
91		bromoform			----------NA----------				
92		butyl acrylate			----------NA----------				
93		isopropylbenzene			----------NA----------				
94		cis-1,4-dichloro-2-butene			----------NA----------				

Continuing Calibration Summary

Job Number: JE1534 **Sample:** V3C8319-CC8247
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 3C191292.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

95	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	152	0.00	8.87
96	S	4-bromofluorobenzene (s)	0.933	0.810	13.2	131	0.00	7.94
97		bromobenzene		----------NA----------				
98		1,1,2,2-tetrachloroethane		----------NA----------				
99		trans-1,4-dichloro-2-bute		----------NA----------				
100		1,2,3-trichloropropane		----------NA----------				
101		n-propylbenzene		----------NA----------				
102		2-chlorotoluene		----------NA----------				
103		4-chlorotoluene		----------NA----------				
104		1,3,5-trimethylbenzene		----------NA----------				
105		tert-butylbenzene		----------NA----------				
106		1,2,4-trimethylbenzene		----------NA----------				
107		sec-butylbenzene		----------NA----------				
108		1,3-dichlorobenzene		----------NA----------				
109		p-isopropyltoluene		----------NA----------				
110		1,4-dichlorobenzene		----------NA----------				
111		1,2,3-trimethylbenzene		----------NA----------				
112		1,2-dichlorobenzene		----------NA----------				
113		n-butylbenzene	0.963	0.817	15.2	133	0.00	9.14
114		1,2-dibromo-3-chloropropa		----------NA----------				
115		1,3,5-trichlorobenzene		----------NA----------				
116		1,2,4-trichlorobenzene		----------NA----------				
117		hexachlorobutadiene		----------NA----------				
118		naphthalene		----------NA----------				
119		1,2,3-trichlorobenzene		----------NA----------				
120		hexachloroethane		----------NA----------				
121		benzyl chloride		----------NA----------				
122		2-methylnaphthalene		----------NA----------				
123		pentafluorobenzene(a)	1.000	1.000	0.0	148	0.00	3.55
124		vinyl bromide		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3C189354.D M3C8247.M Mon Dec 02 21:06:36 2024

Initial Calibration Summary

Job Number: JE1534 **Sample:** VY9125-ICC9125
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** Y210879.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Response Factor Report GCMSY

Method : C:\msdchem\1\METHODS\MY9125.M (RTE Integrator)
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
Last Update : Mon Nov 04 11:44:01 2024
Response via : Initial Calibration

Calibration Files
4 =Y210876.D 8 =Y210877.D 0.5 =Y210873.D 50 =Y210879.D
100 =Y210880.D 1 =Y210874.D 200 =Y210881.D 20 =Y210878.D
2 =Y210875.D 0.2 =Y210872.D = =

Compound

	4	8	0.5	50	100	1	200	20	2	0.2	Avg	%RSD
1) I	tert butyl alcohol-d9 ----------ISTD----------											
2)	ethanol											
	0.081	0.090		0.054	0.040	0.087		0.070	0.090		0.073	26.82
	----- Quadratic regression ----- Coefficient = 0.9926											
	Response Ratio = 0.00533 + 0.07524 *A + -0.00181 *A^2											
3)	tertiary butyl alcohol											
	1.037	1.041		0.977	0.979	1.168	0.826	1.104	1.016		1.019	9.87
4)	1,4-dioxane											
	0.103	0.131		0.117	0.106		0.094	0.121			0.112	11.90
5) I	pentafluorobenzene ----------ISTD----------											
6)	dichlorodifluoromethane											
	1.154	1.155	1.195	1.091	1.161	1.172	1.078	1.163	1.186		1.150	3.47
7)	chlorodifluoromethane											
	0.666	0.655	0.760	0.590	0.599	0.690	0.554	0.620	0.626		0.640	9.58
8)	chloromethane											
	0.960	0.869		0.805	0.848	0.919	0.785	0.869	0.891		0.868	6.59
9)	1,3-butadiene *This compound fails Initial Calibration criteria*											
	0.349	0.358		0.335	0.341	0.307	0.345	0.351	0.344		0.341	4.55
10)	vinyl chloride											
	0.848	0.824	0.833	0.785	0.832	0.837	0.776	0.866	0.787	1.031	0.842	8.65
11)	bromomethane											
	0.693	0.568		0.491	0.518		0.476	0.536			0.547	14.33
12)	chloroethane											
	0.430	0.426	0.419	0.429	0.470	0.391	0.445	0.441	0.468		0.435	5.60
13)	trichlorofluoromethane											
	0.989	0.990	1.055	0.940	0.997	1.075	0.957	1.011	1.022		1.004	4.27
14)	ethyl ether											
	0.237	0.231		0.258	0.286		0.288	0.247	0.230		0.254	9.69
15)	acrolein											
	0.062	0.055		0.076	0.081		0.083	0.065			0.070	16.44
16)	freon 113											
	0.356	0.364	0.375	0.372	0.390	0.361	0.383	0.371	0.352	0.398	0.372	3.97
17)	1,1-dichloroethene											
	0.439	0.401	0.429	0.397	0.405	0.401	0.394	0.401	0.400	0.433	0.410	4.11
18)	acetone											
	0.069	0.067		0.064	0.070	0.073	0.064	0.057	0.062		0.065	7.63
19)	acetonitrile											
	0.079	0.066		0.067	0.062	0.085	0.057	0.070	0.083		0.071	14.18
20)	iodomethane											
	0.279	0.404		0.621	0.655		0.626	0.537			0.520	28.72
	----- Linear regression ----- Coefficient = 0.9990											
	Response Ratio = -0.03272 + 0.64568 *A											

Initial Calibration Summary

Job Number: JE1534 **Sample:** VY9125-ICC9125
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** Y210879.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

21) carbon disulfide
1.539 1.531 1.677 1.485 1.539 1.511 1.481 1.472 1.430 1.518 4.57
22) methylene chloride
0.569 0.534 0.523 0.540 0.671 0.526 0.539 0.624 0.566 9.52
23) methyl acetate
0.053 0.067 0.079 0.086 0.086 0.072 0.063 0.072 16.84
24) methyl tert butyl ether
1.039 1.079 1.035 1.243 1.376 0.909 1.380 1.124 0.894 1.120 16.07
25) trans-1,2-dichloroethene
0.434 0.445 0.461 0.447 0.469 0.378 0.456 0.439 0.394 0.553 0.447 10.45
26) hexane
0.704 0.699 0.676 0.680 0.742 0.676 0.735 0.670 0.679 0.880 0.714 8.89
27) di-isopropyl ether
1.439 1.545 1.343 1.664 1.803 1.209 1.755 1.590 1.289 1.432 1.507 13.19
28) ethyl tert-butyl ether
1.237 1.262 1.401 1.561 1.171 1.638 1.294 1.119 1.335 13.78
29) 2-butanone
0.055 0.049 0.058 0.066 0.066 0.057 0.047 0.057 12.92
30) 1,1-dichloroethane
0.935 0.939 0.970 0.935 0.989 0.824 0.946 0.938 0.874 0.892 0.924 5.22
31) chloroprene
0.641 0.653 0.764 0.776 0.594 0.767 0.676 0.577 0.681 11.67
32) acrylonitrile
0.135 0.145 0.150 0.164 0.132 0.166 0.146 0.143 0.148 8.31
33) vinyl acetate
0.062 0.076 0.092 0.101 0.076 0.081 18.98
34) ethyl acetate
0.067 0.056 0.068 0.073 0.073 0.063 0.061 0.066 9.73
35) 2,2-dichloropropane
0.740 0.677 0.769 0.806 0.598 0.849 0.727 0.618 0.723 12.14
36) cis-1,2-dichloroethene
0.491 0.446 0.483 0.542 0.425 0.528 0.488 0.424 0.478 9.25
37) propionitrile
0.067 0.065 0.073 0.080 0.061 0.081 0.069 0.067 0.070 10.23
38) bromochloromethane
0.317 0.327 0.280 0.294 0.326 0.239 0.316 0.313 0.272 0.298 9.97
39) tetrahydrofuran
0.187 0.152 0.164 0.193 0.189 0.156 0.209 0.179 12.02
40) chloroform
0.949 0.894 0.914 0.962 1.133 0.931 0.870 0.961 0.952 8.44
41) tert-butyl formate *This compound fails Initial Calibration criteria*
0.070 0.076 0.094 0.124 0.138 0.090 0.099 27.24
----- Quadratic regression ----- Coefficient = 0.9978
Response Ratio = -0.00282 + 0.09534 *A + 0.01116 *A^2

42) isobutyl alcohol
0.053 0.057 0.055 0.060 0.050 0.056 0.057 0.053 0.055 5.71
43) dibromofluoromethane (s)
0.517 0.541 0.514 0.537 0.546 0.522 0.543 0.531 0.531 0.511 0.529 2.40
44) methacrylonitrile
0.139 0.148 0.162 0.195 0.172 0.195 0.157 0.122 0.161 15.95
45) 1,1,1-trichloroethane
0.754 0.713 0.777 0.834 0.623 0.829 0.754 0.665 0.744 9.95
46) cyclohexane
0.680 0.651 0.724 0.801 0.621 0.755 0.716 0.649 0.700 8.65
47) 1,1-dichloropropene
0.198 0.210 0.220 0.245 0.191 0.243 0.212 0.170 0.211 12.00
48) tert-amyl alcohol
0.030 0.030 0.041 0.043 0.034 0.035 0.040 0.036 14.58

Initial Calibration Summary

Job Number: JE1534 **Sample:** VY9125-ICC9125
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** Y210879.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

49) carbon tetrachloride
0.660 0.620 0.667 0.742 0.506 0.741 0.608 0.559 0.638 12.94

50) I 1,4-difluorobenzene ----------ISTD----------
51) 1,2-dichloroethane-d4 (s)
0.381 0.389 0.375 0.343 0.363 0.383 0.362 0.370 0.393 0.389 0.375 4.09
52) 2,2,4-trimethylpentane
1.003 1.024 1.167 1.018 1.061 0.932 1.003 1.041 0.980 1.211 1.044 8.11
53) tert-amyl methyl ether
0.692 0.711 0.731 0.817 0.589 0.864 0.698 0.707 0.726 11.48
54) n-butyl alcohol
0.007 0.007 0.009 0.010 0.009 0.008 0.006 0.008 17.73
55) benzene
1.113 1.040 1.114 1.014 1.052 0.999 0.998 1.034 0.950 1.035 5.20
56) heptane
0.236 0.234 0.279 0.219 0.227 0.201 0.212 0.233 0.239 0.231 9.44
57) isopropyl acetate
0.198 0.203 0.217 0.245 0.239 0.206 0.212 0.217 8.28
58) 1,2-dichloroethane
0.420 0.377 0.367 0.380 0.379 0.365 0.362 0.348 0.375 5.63
59) trichloroethene
0.277 0.271 0.286 0.299 0.228 0.278 0.282 0.249 0.271 8.35
60) ethyl acrylate
0.681 0.662 0.596 0.662 0.688 0.592 0.657 0.642 0.614 0.707 0.650 5.98
61) 2-nitropropane
0.116 0.099 0.118 0.125 0.119 0.107 0.090 0.111 11.32
62) 2-chloroethyl vinyl ether
0.109 0.106 0.115 0.122 0.095 0.116 0.109 0.090 0.108 9.95
63) methyl methacrylate
0.066 0.056 0.063 0.068 0.063 0.058 0.057 0.062 7.35
64) 1,2-dichloropropane
0.265 0.280 0.271 0.276 0.295 0.224 0.279 0.264 0.220 0.264 9.65
65) methylcyclohexane
0.486 0.463 0.460 0.463 0.485 0.427 0.464 0.472 0.422 0.471 0.461 4.65
66) dibromomethane
0.178 0.165 0.154 0.162 0.172 0.155 0.162 0.163 0.172 0.125 0.161 9.17
67) bromodichloromethane
0.385 0.372 0.321 0.386 0.417 0.333 0.393 0.371 0.315 0.344 0.364 9.29
68) epichlorohydrin
0.026 0.026 0.030 0.031 0.031 0.027 0.020 0.027 13.50
69) cis-1,3-dichloropropene
0.418 0.419 0.467 0.496 0.336 0.478 0.443 0.375 0.429 12.57
70) 4-methyl-2-pentanone
0.038 0.037 0.041 0.044 0.031 0.042 0.039 0.032 0.038 11.82
71) 3-methyl-1-butanol
0.013 0.011 0.012 0.013 0.014 0.010 0.015 0.013 13.85

72) I chlorobenzene-d5 ----------ISTD----------
73) toluene-d8 (s)
1.358 1.326 1.332 1.306 1.276 1.349 1.258 1.312 1.346 1.334 1.320 2.45
74) toluene
0.776 0.751 0.758 0.730 0.767 0.757 0.717 0.742 0.720 0.946 0.766 8.60
75) trans-1,3-dichloropropene
0.429 0.441 0.509 0.561 0.327 0.525 0.458 0.405 0.457 16.29
76) ethyl methacrylate
0.384 0.360 0.384 0.371 0.394 0.309 0.366 0.379 0.327 0.364 7.77
77) 1,1,2-trichloroethane
0.226 0.220 0.189 0.250 0.263 0.199 0.244 0.231 0.214 0.226 10.58
78) 2-hexanone
0.116 0.113 0.113 0.115 0.120 0.088 0.113 0.111 0.103 0.118 0.111 8.47

Initial Calibration Summary

Job Number: JE1534 **Sample:** VY9125-ICC9125
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** Y210879.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

79) tetrachloroethene
0.379 0.363 0.421 0.351 0.370 0.364 0.344 0.368 0.356 0.460 0.378 9.51
80) 1,3-dichloropropane
0.452 0.440 0.399 0.482 0.518 0.429 0.485 0.452 0.429 0.379 0.447 9.25
81) butyl acetate
0.207 0.177 0.182 0.191 0.230 0.179 0.176 0.174 0.190 10.33
82) dibromochloromethane
0.310 0.305 0.329 0.356 0.275 0.341 0.314 0.253 0.311 10.83
83) 1,2-dibromoethane
0.280 0.274 0.284 0.308 0.220 0.290 0.265 0.230 0.269 11.13
84) n-butyl ether
1.474 1.454 1.458 1.362 1.360 1.384 1.251 1.400 1.416 1.674 1.423 7.67
85) chlorobenzene
0.847 0.865 0.866 0.818 0.860 0.884 0.799 0.816 0.802 0.995 0.855 6.71
86) 1,1,1,2-tetrachloroethane
0.253 0.277 0.282 0.283 0.310 0.210 0.305 0.286 0.227 0.270 12.53
87) ethylbenzene
1.578 1.459 1.556 1.368 1.402 1.500 1.302 1.434 1.459 1.821 1.488 9.63
88) m,p-xylene
0.637 0.579 0.696 0.551 0.561 0.563 0.539 0.569 0.595 0.588 8.42
89) o-xylene
1.331 1.233 1.358 1.174 1.184 1.228 1.112 1.211 1.227 1.229 6.18
90) styrene
1.047 0.967 0.991 0.898 0.929 0.909 0.892 0.917 0.894 0.992 0.943 5.61
91) bromoform
0.231 0.234 0.251 0.276 0.205 0.273 0.234 0.221 0.240 10.29
92) butyl acrylate
0.615 0.598 0.598 0.602 0.630 0.551 0.592 0.610 0.550 0.546 0.589 5.04
93) isopropylbenzene
1.413 1.296 1.345 1.268 1.322 1.308 1.266 1.286 1.287 1.654 1.344 8.70
94) cis-1,4-dichloro-2-butene
0.103 0.118 0.135 0.150 0.152 0.118 0.117 0.128 14.37

95) I 1,4-dichlorobenzene-d ----------ISTD----------
96) 4-bromofluorobenzene (s)
0.868 0.865 0.874 0.859 0.843 0.877 0.825 0.884 0.875 0.846 0.862 2.14
97) bromobenzene
0.638 0.623 0.565 0.606 0.609 0.599 0.584 0.603 0.592 0.672 0.609 4.89
98) 1,1,2,2-tetrachloroethane
0.562 0.552 0.527 0.591 0.625 0.542 0.605 0.560 0.545 0.505 0.561 6.46
99) trans-1,4-dichloro-2-butene
0.078 0.082 0.094 0.109 0.111 0.083 0.093 15.43
100) 1,2,3-trichloropropane
0.144 0.148 0.152 0.159 0.111 0.162 0.152 0.154 0.148 10.70
101) n-propylbenzene
3.345 3.067 3.408 2.959 2.920 3.108 2.725 3.130 2.953 3.068 6.93
102) 2-chlorotoluene
0.645 0.585 0.545 0.572 0.574 0.530 0.543 0.594 0.524 0.568 6.68
103) 4-chlorotoluene
0.664 0.618 0.652 0.609 0.607 0.602 0.588 0.605 0.621 0.618 3.97
104) 1,3,5-trimethylbenzene
2.226 2.102 2.113 2.130 2.162 2.061 1.988 2.170 2.042 2.271 2.126 4.02
105) tert-butylbenzene
2.008 1.880 1.975 1.874 1.913 1.888 1.827 1.906 1.768 2.434 1.947 9.44
106) 1,2,4-trimethylbenzene
2.298 2.221 2.093 2.188 2.249 2.073 2.086 2.216 2.020 2.160 4.39
107) sec-butylbenzene
3.059 2.785 3.008 2.782 2.867 2.896 2.670 2.859 2.736 2.851 4.39
108) 1,3-dichlorobenzene
1.396 1.284 1.425 1.262 1.299 1.348 1.222 1.291 1.249 1.308 5.21

Initial Calibration Summary

Job Number: JE1534 **Sample:** VY9125-ICC9125
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** Y210879.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

```
109)  p-isopropyltoluene
       2.681 2.512 2.794 2.464 2.520 2.457 2.326 2.549 2.428        2.526    5.50
110)  1,4-dichlorobenzene
       1.335 1.239 1.430 1.242 1.285 1.428 1.201 1.237 1.204        1.289    6.93
111)  1,2,3-trimethylbenzene
       2.315 2.217 2.213 2.259 2.347 2.112 2.154 2.245 2.196        2.229    3.30
112)  1,2-dichlorobenzene
       1.323 1.264 1.157 1.205 1.250 1.174 1.160 1.234 1.201        1.219    4.49
113)  n-butylbenzene
       1.433 1.271 1.428 1.374 1.431 1.476 1.307 1.355 1.220 1.679  1.397    9.14
114)  1,2-dibromo-3-chloropropane
       0.160 0.162       0.172 0.191 0.147 0.180 0.164 0.142        0.165    9.82
115)  1,3,5-trichlorobenzene
       1.277 1.226 1.481 1.274 1.264 1.233 1.097 1.240 1.203        1.255    8.04
116)  1,2,4-trichlorobenzene
       1.222 1.143 1.238 1.169 1.149 1.130 1.002 1.105 1.106        1.141    6.11
117)  hexachlorobutadiene
       0.749 0.668       0.631 0.613 0.738 0.547 0.648 0.661        0.657    9.96
118)  naphthalene
       2.373 2.186 2.357 2.374 2.368 2.004 2.116 2.237 2.178        2.244    5.97
119)  1,2,3-trichlorobenzene
       1.139 1.082 1.071 1.126 1.085 1.108 0.945 1.074 1.061        1.077    5.18
120)  hexachloroethane
       0.339 0.350 0.351 0.404 0.448 0.364 0.438 0.382 0.340        0.379   10.96
121)  benzyl chloride
       0.158 0.174       0.236 0.264       0.262 0.203              0.216   20.78
             ----- Linear regression -----  Coefficient =  0.9979
               Response Ratio = -0.01207 + 0.26245 *A

122)  2-methylnaphthalene
       1.536 1.438       1.420 1.363 1.623 1.193 1.417 1.365        1.419    8.95

123)     pentafluorobenzene(a) ----------------ISTD---------------------
124)  vinyl bromide
                                                                    0.000   -1.00
125)  Allyl chloride
                                                                    0.000   -1.00

126)     1,4-dichlorobenzene-d ----------------ISTD---------------------
127)  4-ethyltoluene
                                                                    0.000   -1.00
128)  Pentachloroethane
                                                                    0.000   -1.00
129)  1,4-diethylbenzene
                                                                    0.000   -1.00
130)  1,2,4,5-tetramethylbenzene
                                                                    0.000   -1.00
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          MY9125.M          Mon Nov 04 11:45:47 2024   GCMSY
```

Initial Calibration Verification

Job Number: JE1534 **Sample:** VY9125-ICV9125
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** Y210884.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\VY9125\Y210884.D Vial: 15
Acq On : 1 Nov 2024 2:50 am Operator: PrashanS
Sample : ICV9125-50 Inst : GCMSY
Misc : MS86364,VY9125,5.0,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\MY9125.M (RTE Integrator)
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
Last Update : Fri Nov 01 16:34:54 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	tert butyl alcohol-d9	1.000	1.000	0.0	100	0.00	1.76
		True	Calc.	% Drift			
2	ethanol	5000.000	4359.325	12.8	98	0.00	1.37
		AvgRF	CCRF	% Dev			
3	tertiary butyl alcohol	1.019	1.021	-0.2	104	0.00	1.80
4	1,4-dioxane	0.112	0.115	-2.7	98	0.00	3.89
5 I	pentafluorobenzene	1.000	1.000	0.0	103	0.00	2.84
6	dichlorodifluoromethane	1.150	1.062	7.7	101	0.00	0.86
7	chlorodifluoromethane		NA				
8	chloromethane	0.868	0.938	-8.1	120	0.00	0.95
9	1,3-butadiene	0.341	0.708	-107.6#	218#	0.00	1.00
10	vinyl chloride	0.842	0.857	-1.8	113	0.00	1.00
11	bromomethane	0.547	0.569	-4.0	120	0.00	1.14
12	chloroethane	0.435	0.486	-11.7	117	0.00	1.18
13	trichlorofluoromethane	1.004	0.961	4.3	106	0.00	1.28
14	ethyl ether	0.254	0.290	-14.2	116	0.00	1.40
15	acrolein	0.070	0.076	-8.6	103	0.00	1.50
16	freon 113	0.372	0.432	-16.1	120	0.00	1.49
17	1,1-dichloroethene	0.410	0.477	-16.3	124	0.00	1.52
18	acetone	0.065	0.070	-7.7	113	0.00	1.57
19	acetonitrile		NA				
		True	Calc.	% Drift			
20	iodomethane	50.000	50.186	-0.4	102	0.00	1.62
		AvgRF	CCRF	% Dev			
21	carbon disulfide	1.518	1.738	-14.5	121	0.00	1.64
22	methylene chloride	0.566	0.597	-5.5	118	0.00	1.79
23	methyl acetate	0.072	0.086	-19.4	112	0.00	1.71
24	methyl tert butyl ether	1.120	1.384	-23.6	115	0.00	1.88
25	trans-1,2-dichloroethene	0.447	0.502	-12.3	116	0.00	1.90
26	hexane	0.714	0.809	-13.3	123	0.00	2.00
27	di-isopropyl ether	1.507	1.734	-15.1	108	0.00	2.12
28	ethyl tert-butyl ether	1.335	1.517	-13.6	112	0.00	2.34
29	2-butanone	0.057	0.064	-12.3	115	0.00	2.51
30	1,1-dichloroethane	0.924	1.056	-14.3	116	0.00	2.15
31	chloroprene	0.681	0.831	-22.0	112	0.00	2.18
32	acrylonitrile		NA				
33	vinyl acetate	0.081	0.090	-11.1	122	0.00	2.16

Initial Calibration Verification

Job Number: JE1534 **Sample:** VY9125-ICV9125
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** Y210884.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

34		ethyl acetate	0.066	0.071	-7.6	107	0.00	2.51
35		2,2-dichloropropane	0.723	0.902	-24.8	121	0.00	2.49
36		cis-1,2-dichloroethene	0.478	0.534	-11.7	114	0.00	2.51
37		propionitrile	0.070	0.075	-7.1	105	0.00	2.61
38		bromochloromethane	0.298	0.346	-16.1	122	0.00	2.67
39		tetrahydrofuran	0.179	0.167	6.7	105	0.00	2.66
40		chloroform	0.952	1.001	-5.1	113	0.00	2.70
		----------	True	Calc.	% Drift	----------		
41		tert-butyl formate	50.000	31.518	37.0#	68	0.00	2.71
		----------	AvgRF	CCRF	% Dev	----------		
42		isobutyl alcohol	0.055	0.060	-9.1	113	0.00	2.80
43	S	dibromofluoromethane (s)	0.529	0.531	-0.4	102	0.00	2.82
44		methacrylonitrile	0.161	0.180	-11.8	114	0.00	2.68
45		1,1,1-trichloroethane	0.744	0.875	-17.6	116	0.00	2.81
46		cyclohexane	0.700	0.820	-17.1	117	0.00	2.80
47		1,1-dichloropropene	0.211	0.249	-18.0	117	0.00	2.92
48		tert-amyl alcohol	0.036	0.040	-11.1	101	0.00	3.07
49		carbon tetrachloride	0.638	0.764	-19.7	118	0.00	2.89
50	I	1,4-difluorobenzene	1.000	1.000	0.0	103	0.00	3.38
51	S	1,2-dichloroethane-d4 (s)	0.375	0.353	5.9	105	0.00	3.08
52		2,2,4-trimethylpentane	1.044	1.163	-11.4	117	0.00	3.04
53		tert-amyl methyl ether	0.726	0.761	-4.8	107	0.00	3.11
54		n-butyl alcohol	0.008	0.009	-12.5	103	0.00	3.53
55		benzene	1.035	1.123	-8.5	114	0.00	3.07
56		heptane	0.231	0.257	-11.3	120	0.00	3.18
57		isopropyl acetate	0.217	0.230	-6.0	109	0.00	3.11
58		1,2-dichloroethane	0.375	0.391	-4.3	109	0.00	3.14
59		trichloroethene	0.271	0.317	-17.0	114	0.00	3.56
60		ethyl acrylate	0.650	0.702	-8.0	109	0.00	3.66
61		2-nitropropane	0.111	0.118	-6.3	103	0.00	4.30
62		2-chloroethyl vinyl ether	0.108	0.114	-5.6	101	0.00	4.31
63		methyl methacrylate	0.062	0.070	-12.9	114	0.00	3.86
64		1,2-dichloropropane	0.264	0.292	-10.6	108	0.00	3.79
65		methylcyclohexane	0.461	0.555	-20.4	123	0.00	3.66
66		dibromomethane	0.161	0.177	-9.9	112	0.00	3.89
67		bromodichloromethane	0.364	0.425	-16.8	113	0.00	4.02
68		epichlorohydrin	0.027	0.029	-7.4	98	0.00	4.38
69		cis-1,3-dichloropropene	0.429	0.500	-16.6	110	0.00	4.42
70		4-methyl-2-pentanone	0.038	0.039	-2.6	99	0.00	4.55
71		3-methyl-1-butanol	0.013	0.012	7.7	104	0.00	4.62
72	I	chlorobenzene-d5	1.000	1.000	0.0	103	0.00	5.84
73	S	toluene-d8 (s)	1.320	1.319	0.1	104	0.00	4.61
74		toluene	0.766	0.798	-4.2	113	0.00	4.66
75		trans-1,3-dichloropropene	0.457	0.550	-20.4	111	0.00	4.93
76		ethyl methacrylate	0.364	0.366	-0.5	102	0.00	4.96
77		1,1,2-trichloroethane	0.226	0.260	-15.0	107	0.00	5.08
78		2-hexanone	0.111	0.117	-5.4	105	0.00	5.28
79		tetrachloroethene		----------	NA	----------		
80		1,3-dichloropropane	0.447	0.512	-14.5	109	0.00	5.23
81		butyl acetate	0.190	0.193	-1.6	109	0.00	5.36
82		dibromochloromethane	0.311	0.348	-11.9	109	0.00	5.38
83		1,2-dibromoethane	0.269	0.304	-13.0	110	0.00	5.48
84		n-butyl ether	1.423	1.436	-0.9	109	0.00	5.93
85		chlorobenzene	0.855	0.873	-2.1	110	0.00	5.87
86		1,1,1,2-tetrachloroethane	0.270	0.314	-16.3	115	0.00	5.95
87		ethylbenzene	1.488	1.499	-0.7	113	0.00	5.94

Initial Calibration Verification

Job Number: JE1534 **Sample:** VY9125-ICV9125
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** Y210884.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

88		m,p-xylene	0.588	0.597	-1.5	112	0.00	6.04
89		o-xylene	1.229	1.328	-8.1	117	0.00	6.37
90		styrene	0.943	0.915	3.0	105	0.00	6.39
91		bromoform	0.240	0.263	-9.6	108	0.00	6.56
92		butyl acrylate	0.589	0.632	-7.3	108	0.00	6.37
93		isopropylbenzene	1.344	1.500	-11.6	122	0.00	6.66
94		cis-1,4-dichloro-2-butene	0.128	0.128	0.0	98	0.00	6.79
95	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	102	0.00	7.73
96	S	4-bromofluorobenzene (s)	0.862	0.879	-2.0	104	0.00	6.82
97		bromobenzene	0.609	0.672	-10.3	113	0.00	6.92
98		1,1,2,2-tetrachloroethane	0.561	0.619	-10.3	107	0.00	6.97
99		trans-1,4-dichloro-2-bute	0.093	0.108	-16.1	117	0.00	7.03
100		1,2,3-trichloropropane	0.148	0.175	-18.2	117	0.00	7.01
101		n-propylbenzene	3.068	3.256	-6.1	112	0.00	6.99
102		2-chlorotoluene	0.568	0.636	-12.0	113	0.00	7.07
103		4-chlorotoluene	0.618	0.655	-6.0	109	0.00	7.17
104		1,3,5-trimethylbenzene	2.126	2.340	-10.1	112	0.00	7.14
105		tert-butylbenzene	1.947	2.095	-7.6	114	0.00	7.38
106		1,2,4-trimethylbenzene	2.160	2.419	-12.0	112	0.00	7.43
107		sec-butylbenzene	2.851	3.100	-8.7	113	0.00	7.56
108		1,3-dichlorobenzene	1.308	1.344	-2.8	108	0.00	7.67
109		p-isopropyltoluene	2.526	2.701	-6.9	111	0.00	7.68
110		1,4-dichlorobenzene	1.289	1.297	-0.6	106	0.00	7.75
111		1,2,3-trimethylbenzene		----------NA----------				
112		1,2-dichlorobenzene	1.219	1.272	-4.3	107	0.00	8.04
113		n-butylbenzene	1.397	1.524	-9.1	113	0.00	8.00
114		1,2-dibromo-3-chloropropa	0.165	0.182	-10.3	108	0.00	8.67
115		1,3,5-trichlorobenzene	1.255	1.405	-12.0	112	0.00	8.78
116		1,2,4-trichlorobenzene	1.141	1.190	-4.3	104	0.00	9.28
117		hexachlorobutadiene	0.657	0.659	-0.3	106	0.00	9.36
118		naphthalene	2.244	2.463	-9.8	105	0.00	9.46
119		1,2,3-trichlorobenzene	1.077	1.166	-8.3	105	0.00	9.65
120		hexachloroethane	0.379	0.442	-16.6	111	0.00	8.19
		----------	True	Calc.	% Drift	----------		
121		benzyl chloride	50.000	48.988	2.0	106	0.00	7.87
		----------	AvgRF	CCRF	% Dev	----------		
122		2-methylnaphthalene	1.419	1.467	-3.4	105	0.00	10.32
123		pentafluorobenzene(a)	1.000	1.000	0.0	103	0.00	2.84
124		vinyl bromide		----------NA----------				
125		Allyl chloride		----------NA----------				
126		1,4-dichlorobenzene-d4(a)	1.000	1.000	0.0	102	0.00	7.73
127		4-ethyltoluene		----------NA----------				
128		Pentachloroethane		----------NA----------				
129		1,4-diethylbenzene		----------NA----------				
130		1,2,4,5-tetramethylbenzen		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Y210879.D MY9125.M Fri Nov 01 16:44:57 2024 GCMSY

Initial Calibration Verification

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: VY9125-ICV9125
Lab FileID: Y210885.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\VY9125\Y210885.D Vial: 16
Acq On : 1 Nov 2024 3:12 am Operator: PrashanS
Sample : ICV9125-50 Inst : GCMSY
Misc : MS86364,VY9125,5.0,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\MY9125.M (RTE Integrator)
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
Last Update : Mon Nov 04 11:44:01 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	68	0.00	1.75
		----------	True	Calc.	% Drift	----------		
2		ethanol		NA				
		----------	AvgRF	CCRF	% Dev	----------		
3		tertiary butyl alcohol		NA				
4		1,4-dioxane		NA				
5	I	pentafluorobenzene	1.000	1.000	0.0	101	0.00	2.83
6		dichlorodifluoromethane		NA				
7		chlorodifluoromethane		NA				
8		chloromethane		NA				
9		1,3-butadiene		NA				
10		vinyl chloride		NA				
11		bromomethane		NA				
12		chloroethane		NA				
13		trichlorofluoromethane		NA				
14		ethyl ether		NA				
15		acrolein		NA				
16		freon 113		NA				
17		1,1-dichloroethene		NA				
18		acetone		NA				
19		acetonitrile	0.071	0.064	9.9	97	0.00	1.74
		----------	True	Calc.	% Drift	----------		
20		iodomethane		NA				
		----------	AvgRF	CCRF	% Dev	----------		
21		carbon disulfide		NA				
22		methylene chloride		NA				
23		methyl acetate		NA				
24		methyl tert butyl ether		NA				
25		trans-1,2-dichloroethene		NA				
26		hexane		NA				
27		di-isopropyl ether		NA				
28		ethyl tert-butyl ether		NA				
29		2-butanone		NA				
30		1,1-dichloroethane		NA				
31		chloroprene		NA				
32		acrylonitrile	0.148	0.153	-3.4	103	0.00	1.94
33		vinyl acetate		NA				

Initial Calibration Verification

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: VY9125-ICV9125
Lab FileID: Y210885.D

				True	Calc.	% Drift			
34		ethyl acetate			NA				
35		2,2-dichloropropane			NA				
36		cis-1,2-dichloroethene			NA				
37		propionitrile			NA				
38		bromochloromethane			NA				
39		tetrahydrofuran			NA				
40		chloroform			NA				
41		tert-butyl formate			NA				
				AvgRF	CCRF	% Dev			
42		isobutyl alcohol			NA				
43	S	dibromofluoromethane (s)		0.529	0.515	2.6	97	0.00	2.81
44		methacrylonitrile			NA				
45		1,1,1-trichloroethane			NA				
46		cyclohexane			NA				
47		1,1-dichloropropene			NA				
48		tert-amyl alcohol			NA				
49		carbon tetrachloride			NA				
50	I	1,4-difluorobenzene		1.000	1.000	0.0	91	0.00	3.38
51	S	1,2-dichloroethane-d4 (s)		0.375	0.373	0.5	99	0.00	3.07
52		2,2,4-trimethylpentane			NA				
53		tert-amyl methyl ether			NA				
54		n-butyl alcohol			NA				
55		benzene			NA				
56		heptane			NA				
57		isopropyl acetate			NA				
58		1,2-dichloroethane			NA				
59		trichloroethene			NA				
60		ethyl acrylate			NA				
61		2-nitropropane			NA				
62		2-chloroethyl vinyl ether			NA				
63		methyl methacrylate			NA				
64		1,2-dichloropropane			NA				
65		methylcyclohexane			NA				
66		dibromomethane			NA				
67		bromodichloromethane			NA				
68		epichlorohydrin			NA				
69		cis-1,3-dichloropropene			NA				
70		4-methyl-2-pentanone			NA				
71		3-methyl-1-butanol			NA				
72	I	chlorobenzene-d5		1.000	1.000	0.0	97	0.00	5.84
73	S	toluene-d8 (s)		1.320	1.331	-0.8	99	0.00	4.61
74		toluene			NA				
75		trans-1,3-dichloropropene			NA				
76		ethyl methacrylate			NA				
77		1,1,2-trichloroethane			NA				
78		2-hexanone			NA				
79		tetrachloroethene		0.378	0.380	-0.5	105	0.00	5.11
80		1,3-dichloropropane			NA				
81		butyl acetate			NA				
82		dibromochloromethane			NA				
83		1,2-dibromoethane			NA				
84		n-butyl ether			NA				
85		chlorobenzene			NA				
86		1,1,1,2-tetrachloroethane			NA				
87		ethylbenzene			NA				

Initial Calibration Verification

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: VY9125-ICV9125
Lab FileID: Y210885.D

88		m,p-xylene		----------NA----------				
89		o-xylene		----------NA----------				
90		styrene		----------NA----------				
91		bromoform		----------NA----------				
92		butyl acrylate		----------NA----------				
93		isopropylbenzene		----------NA----------				
94		cis-1,4-dichloro-2-butene		----------NA----------				
95	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	100	0.00	7.73
96	S	4-bromofluorobenzene (s)	0.862	0.889	-3.1	103	0.00	6.82
97		bromobenzene		----------NA----------				
98		1,1,2,2-tetrachloroethane		----------NA----------				
99		trans-1,4-dichloro-2-bute		----------NA----------				
100		1,2,3-trichloropropane		----------NA----------				
101		n-propylbenzene		----------NA----------				
102		2-chlorotoluene		----------NA----------				
103		4-chlorotoluene		----------NA----------				
104		1,3,5-trimethylbenzene		----------NA----------				
105		tert-butylbenzene		----------NA----------				
106		1,2,4-trimethylbenzene		----------NA----------				
107		sec-butylbenzene		----------NA----------				
108		1,3-dichlorobenzene		----------NA----------				
109		p-isopropyltoluene		----------NA----------				
110		1,4-dichlorobenzene		----------NA----------				
111		1,2,3-trimethylbenzene	2.229	2.455	-10.1	109	0.00	7.77
112		1,2-dichlorobenzene		----------NA----------				
113		n-butylbenzene		----------NA----------				
114		1,2-dibromo-3-chloropropa		----------NA----------				
115		1,3,5-trichlorobenzene		----------NA----------				
116		1,2,4-trichlorobenzene		----------NA----------				
117		hexachlorobutadiene		----------NA----------				
118		naphthalene		----------NA----------				
119		1,2,3-trichlorobenzene		----------NA----------				
120		hexachloroethane		----------NA----------				
		----------	True	Calc.	% Drift	----------		
121		benzyl chloride		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
122		2-methylnaphthalene		----------NA----------				
123		pentafluorobenzene(a)	1.000	1.000	0.0	101	0.00	2.83
124		vinyl bromide		----------NA----------				
125		Allyl chloride		----------NA----------				
126		1,4-dichlorobenzene-d4(a)	1.000	1.000	0.0	100	0.00	7.73
127		4-ethyltoluene		----------NA----------				
128		Pentachloroethane		----------NA----------				
129		1,4-diethylbenzene		----------NA----------				
130		1,2,4,5-tetramethylbenzen		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Y210879.D MY9125.M Mon Nov 04 11:45:33 2024 GCMSY

Continuing Calibration Summary

Job Number: JE1534 **Sample:** VY9149-CC9125
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** Y211510.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\r...3-24\VY9149\Y211510.d Vial: 2
Acq On : 2 Dec 2024 2:25 pm Operator: PrashanS
Sample : CC9125-50 Inst : GCMSY
Misc : MS87421,VY9149,5.0,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\MY9125.M (RTE Integrator)
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
Last Update : Mon Nov 04 11:44:01 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	tert butyl alcohol-d9	1.000	1.000	0.0	78	0.00	1.76
	---------- True	Calc.	% Drift	----------			
2	ethanol	5000.000	5242.018	-4.8	87	0.00	1.37
	---------- AvgRF	CCRF	% Dev	----------			
3	tertiary butyl alcohol	1.019	0.943	7.5	75	0.00	1.80
4	1,4-dioxane	0.112	0.128	-14.3	85	0.00	3.88
5 I	pentafluorobenzene	1.000	1.000	0.0	98	0.00	2.83
6	dichlorodifluoromethane	1.150	0.926	19.5	84	0.00	0.86
7	chlorodifluoromethane	0.640	0.865	-35.2#	144	0.00	0.88
8	chloromethane	0.868	0.764	12.0	93	0.00	0.96
9	1,3-butadiene	0.341	0.510	-49.6#	150	0.00	1.00
10	vinyl chloride	0.842	0.727	13.7	91	0.00	1.00
11	bromomethane	0.547	0.480	12.2	96	0.00	1.14
12	chloroethane	0.435	0.409	6.0	94	0.00	1.18
13	trichlorofluoromethane	1.004	0.841	16.2	88	0.00	1.28
14	ethyl ether	0.254	0.264	-3.9	101	0.00	1.40
15	acrolein	0.070	0.088	-25.7#	114	0.00	1.50
16	freon 113	0.372	0.407	-9.4	108	0.00	1.49
17	1,1-dichloroethene	0.410	0.399	2.7	99	0.00	1.52
18	acetone	0.065	0.049	24.6#	76	0.00	1.57
19	acetonitrile	0.071	0.059	16.9	86	0.00	1.74
	---------- True	Calc.	% Drift	----------			
20	iodomethane	50.000	52.518	-5.0	102	0.00	1.62
	---------- AvgRF	CCRF	% Dev	----------			
21	carbon disulfide	1.518	1.588	-4.6	105	0.00	1.64
22	methylene chloride	0.566	0.480	15.2	90	0.00	1.79
23	methyl acetate	0.072	0.066	8.3	82	0.00	1.71
24	methyl tert butyl ether	1.120	1.085	3.1	86	0.00	1.88
25	trans-1,2-dichloroethene	0.447	0.436	2.5	96	0.00	1.90
26	hexane	0.714	0.760	-6.4	110	0.00	1.99
27	di-isopropyl ether	1.507	1.533	-1.7	91	0.00	2.12
28	ethyl tert-butyl ether	1.335	1.340	-0.4	94	0.00	2.33
29	2-butanone	0.057	0.054	5.3	93	0.00	2.51
30	1,1-dichloroethane	0.924	0.883	4.4	93	0.00	2.15
31	chloroprene	0.681	0.784	-15.1	101	0.00	2.18
32	acrylonitrile	0.148	0.162	-9.5	106	0.00	1.94
33	vinyl acetate	0.081	0.079	2.5	103	0.00	2.15

Continuing Calibration Summary

Job Number: JE1534 **Sample:** VY9149-CC9125
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** Y211510.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

34		ethyl acetate	0.066	0.061	7.6	88	0.00	2.51
35		2,2-dichloropropane	0.723	0.745	-3.0	95	0.00	2.49
36		cis-1,2-dichloroethene	0.478	0.494	-3.3	101	0.00	2.50
37		propionitrile	0.070	0.065	7.1	87	0.00	2.61
38		bromochloromethane	0.298	0.298	0.0	100	0.00	2.66
39		tetrahydrofuran	0.179	0.143	20.1#	86	0.00	2.66
40		chloroform	0.952	0.833	12.5	90	0.00	2.70
		----------	True	Calc.	% Drift	----------		
41		tert-butyl formate	50.000	56.656	-13.3	125	0.00	2.71
		----------	AvgRF	CCRF	% Dev	----------		
42		isobutyl alcohol	0.055	0.049	10.9	87	0.00	2.80
43	S	dibromofluoromethane (s)	0.529	0.502	5.1	92	0.00	2.82
44		methacrylonitrile	0.161	0.145	9.9	88	0.00	2.68
45		1,1,1-trichloroethane	0.744	0.763	-2.6	97	0.00	2.81
46		cyclohexane	0.700	0.725	-3.6	99	0.00	2.80
47		1,1-dichloropropene	0.211	0.231	-9.5	103	0.00	2.92
48		tert-amyl alcohol	0.036	0.029	19.4	71	0.00	3.06
49		carbon tetrachloride	0.638	0.677	-6.1	100	0.00	2.89
50	I	1,4-difluorobenzene	1.000	1.000	0.0	97	0.00	3.38
51	S	1,2-dichloroethane-d4 (s)	0.375	0.312	16.8	88	0.00	3.07
52		2,2,4-trimethylpentane	1.044	1.018	2.5	97	0.00	3.04
53		tert-amyl methyl ether	0.726	0.639	12.0	85	0.00	3.11
54		n-butyl alcohol	0.008	0.007	12.5	79	0.00	3.52
55		benzene	1.035	1.024	1.1	98	0.00	3.06
56		heptane	0.231	0.214	7.4	94	0.00	3.18
57		isopropyl acetate	0.217	0.198	8.8	88	0.00	3.11
58		1,2-dichloroethane	0.375	0.317	15.5	84	0.00	3.13
59		trichloroethene	0.271	0.278	-2.6	94	0.00	3.56
60		ethyl acrylate	0.650	0.621	4.5	91	0.00	3.66
61		2-nitropropane	0.111	0.100	9.9	82	0.00	4.29
62		2-chloroethyl vinyl ether	0.108	0.115	-6.5	97	0.00	4.30
63		methyl methacrylate	0.062	0.055	11.3	85	0.00	3.86
64		1,2-dichloropropane	0.264	0.266	-0.8	93	0.00	3.79
65		methylcyclohexane	0.461	0.460	0.2	96	0.00	3.65
66		dibromomethane	0.161	0.146	9.3	88	0.00	3.89
67		bromodichloromethane	0.364	0.356	2.2	89	0.00	4.02
68		epichlorohydrin	0.027	0.027	0.0	86	0.00	4.38
69		cis-1,3-dichloropropene	0.429	0.419	2.3	87	0.00	4.42
70		4-methyl-2-pentanone	0.038	0.034	10.5	80	0.00	4.55
71		3-methyl-1-butanol	0.013	0.009	30.8#	77	0.00	4.62
72	I	chlorobenzene-d5	1.000	1.000	0.0	103	0.00	5.84
73	S	toluene-d8 (s)	1.320	1.194	9.5	94	0.00	4.61
74		toluene	0.766	0.704	8.1	99	0.00	4.66
75		trans-1,3-dichloropropene	0.457	0.428	6.3	86	0.00	4.93
76		ethyl methacrylate	0.364	0.288	20.9#	80	0.00	4.96
77		1,1,2-trichloroethane	0.226	0.204	9.7	84	0.00	5.08
78		2-hexanone	0.111	0.089	19.8	79	0.00	5.27
79		tetrachloroethene	0.378	0.353	6.6	103	0.00	5.11
80		1,3-dichloropropane	0.447	0.407	8.9	87	0.00	5.23
81		butyl acetate	0.190	0.145	23.7#	82	0.00	5.36
82		dibromochloromethane	0.311	0.302	2.9	94	0.00	5.38
83		1,2-dibromoethane	0.269	0.250	7.1	90	0.00	5.48
84		n-butyl ether	1.423	1.233	13.4	93	0.00	5.93
85		chlorobenzene	0.855	0.740	13.5	93	0.00	5.87
86		1,1,1,2-tetrachloroethane	0.270	0.258	4.4	94	0.00	5.95
87		ethylbenzene	1.488	1.279	14.0	96	0.00	5.94

Continuing Calibration Summary

Job Number: JE1534 **Sample:** VY9149-CC9125
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** Y211510.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

88		m,p-xylene	0.588	0.526	10.5	98	0.00	6.04
89		o-xylene	1.229	1.090	11.3	95	0.00	6.36
90		styrene	0.943	0.850	9.9	97	0.00	6.39
91		bromoform	0.240	0.216	10.0	88	0.00	6.56
92		butyl acrylate	0.589	0.498	15.4	85	0.00	6.37
93		isopropylbenzene	1.344	1.231	8.4	100	0.00	6.66
94		cis-1,4-dichloro-2-butene	0.128	0.105	18.0	80	0.00	6.79
95	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	101	0.00	7.73
96	S	4-bromofluorobenzene (s)	0.862	0.804	6.7	94	0.00	6.82
97		bromobenzene	0.609	0.586	3.8	98	0.00	6.92
98		1,1,2,2-tetrachloroethane	0.561	0.456	18.7	78	0.00	6.97
99		trans-1,4-dichloro-2-bute	0.093	0.078	16.1	84	0.00	7.03
100		1,2,3-trichloropropane	0.148	0.127	14.2	84	0.00	7.01
101		n-propylbenzene	3.068	2.827	7.9	96	0.00	6.98
102		2-chlorotoluene	0.568	0.551	3.0	97	0.00	7.07
103		4-chlorotoluene	0.618	0.571	7.6	94	0.00	7.17
104		1,3,5-trimethylbenzene	2.126	2.078	2.3	98	0.00	7.14
105		tert-butylbenzene	1.947	1.809	7.1	97	0.00	7.38
106		1,2,4-trimethylbenzene	2.160	2.153	0.3	99	0.00	7.43
107		sec-butylbenzene	2.851	2.769	2.9	100	0.00	7.56
108		1,3-dichlorobenzene	1.308	1.264	3.4	101	0.00	7.67
109		p-isopropyltoluene	2.526	2.409	4.6	99	0.00	7.68
110		1,4-dichlorobenzene	1.289	1.218	5.5	99	0.00	7.75
111		1,2,3-trimethylbenzene	2.229	2.177	2.3	97	0.00	7.77
112		1,2-dichlorobenzene	1.219	1.179	3.3	99	0.00	8.04
113		n-butylbenzene	1.397	1.305	6.6	96	0.00	7.99
114		1,2-dibromo-3-chloropropa	0.165	0.146	11.5	86	0.00	8.67
115		1,3,5-trichlorobenzene	1.255	1.200	4.4	95	0.00	8.78
116		1,2,4-trichlorobenzene	1.141	1.087	4.7	94	0.00	9.27
117		hexachlorobutadiene	0.657	0.606	7.8	97	0.00	9.36
118		naphthalene	2.244	2.285	-1.8	97	0.00	9.46
119		1,2,3-trichlorobenzene	1.077	1.006	6.6	90	0.00	9.65
120		hexachloroethane	0.379	0.391	-3.2	98	0.00	8.19
			True	Calc.	% Drift			
121		benzyl chloride	50.000	41.040	17.9	87	0.00	7.87
			AvgRF	CCRF	% Dev			
122		2-methylnaphthalene	1.419	1.532	-8.0	109	0.00	10.32
123		pentafluorobenzene(a)	1.000	1.000	0.0	98	0.00	2.83
124		vinyl bromide		----------NA----------				
125		Allyl chloride		----------NA----------				
126		1,4-dichlorobenzene-d4(a)	1.000	1.000	0.0	101	0.00	7.73
127		4-ethyltoluene		----------NA----------				
128		Pentachloroethane		----------NA----------				
129		1,4-diethylbenzene		----------NA----------				
130		1,2,4,5-tetramethylbenzen		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Y210879.D MY9125.M Tue Dec 03 06:43:37 2024

Continuing Calibration Summary

Job Number: JE1534 **Sample:** VY9149-CC9125
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** Y211511.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\r...3-24\VY9149\Y211511.d Vial: 3
Acq On : 2 Dec 2024 3:02 pm Operator: PrashanS
Sample : CC9125-2 Inst : GCMSY
Misc : MS87421,VY9149,5.0,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\MY9125.M (RTE Integrator)
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
Last Update : Mon Nov 04 11:44:01 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 200% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	71	0.00	1.76
		---------- True	Calc.	% Drift	----------			
2		ethanol		NA				
		---------- AvgRF	CCRF	% Dev	----------			
3		tertiary butyl alcohol		NA				
4		1,4-dioxane		NA				
5	I	pentafluorobenzene	1.000	1.000	0.0	101	0.00	2.84
6		dichlorodifluoromethane		NA				
7		chlorodifluoromethane		NA				
8		chloromethane		NA				
9		1,3-butadiene		NA				
10		vinyl chloride		NA				
11		bromomethane		NA				
12		chloroethane		NA				
13		trichlorofluoromethane		NA				
14		ethyl ether		NA				
15		acrolein		NA				
16		freon 113		NA				
17		1,1-dichloroethene		NA				
18		acetone	0.065	0.042	35.4	69	0.00	1.57
19		acetonitrile		NA				
		---------- True	Calc.	% Drift	----------			
20		iodomethane		NA				
		---------- AvgRF	CCRF	% Dev	----------			
21		carbon disulfide		NA				
22		methylene chloride		NA				
23		methyl acetate		NA				
24		methyl tert butyl ether		NA				
25		trans-1,2-dichloroethene		NA				
26		hexane		NA				
27		di-isopropyl ether		NA				
28		ethyl tert-butyl ether		NA				
29		2-butanone		NA				
30		1,1-dichloroethane		NA				
31		chloroprene		NA				
32		acrylonitrile		NA				
33		vinyl acetate		NA				

Continuing Calibration Summary

Job Number: JE1534 **Sample:** VY9149-CC9125
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** Y211511.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

			AvgRF	CCRF	% Dev			
34		ethyl acetate		----------NA----------				
35		2,2-dichloropropane		----------NA----------				
36		cis-1,2-dichloroethene		----------NA----------				
37		propionitrile		----------NA----------				
38		bromochloromethane		----------NA----------				
39		tetrahydrofuran	0.179	0.154	14.0	74	0.00	2.66
40		chloroform		----------NA----------				
			True	Calc.	% Drift			
41		tert-butyl formate		----------NA----------				
			AvgRF	CCRF	% Dev			
42		isobutyl alcohol		----------NA----------				
43	S	dibromofluoromethane (s)	0.529	0.500	5.5	95	0.00	2.82
44		methacrylonitrile		----------NA----------				
45		1,1,1-trichloroethane		----------NA----------				
46		cyclohexane		----------NA----------				
47		1,1-dichloropropene		----------NA----------				
48		tert-amyl alcohol		----------NA----------				
49		carbon tetrachloride		----------NA----------				
50	I	1,4-difluorobenzene	1.000	1.000	0.0	96	0.00	3.38
51	S	1,2-dichloroethane-d4 (s)	0.375	0.350	6.7	85	0.00	3.08
52		2,2,4-trimethylpentane		----------NA----------				
53		tert-amyl methyl ether		----------NA----------				
54		n-butyl alcohol		----------NA----------				
55		benzene		----------NA----------				
56		heptane		----------NA----------				
57		isopropyl acetate		----------NA----------				
58		1,2-dichloroethane		----------NA----------				
59		trichloroethene		----------NA----------				
60		ethyl acrylate		----------NA----------				
61		2-nitropropane		----------NA----------				
62		2-chloroethyl vinyl ether		----------NA----------				
63		methyl methacrylate		----------NA----------				
64		1,2-dichloropropane		----------NA----------				
65		methylcyclohexane		----------NA----------				
66		dibromomethane		----------NA----------				
67		bromodichloromethane		----------NA----------				
68		epichlorohydrin		----------NA----------				
69		cis-1,3-dichloropropene		----------NA----------				
70		4-methyl-2-pentanone		----------NA----------				
71		3-methyl-1-butanol	0.013	0.008	38.5	47	-0.01	4.61
72	I	chlorobenzene-d5	1.000	1.000	0.0	103	0.00	5.84
73	S	toluene-d8 (s)	1.320	1.230	6.8	94	0.00	4.61
74		toluene		----------NA----------				
75		trans-1,3-dichloropropene		----------NA----------				
76		ethyl methacrylate	0.364	0.149	59.1	47	0.00	4.96
77		1,1,2-trichloroethane		----------NA----------				
78		2-hexanone		----------NA----------				
79		tetrachloroethene		----------NA----------				
80		1,3-dichloropropane		----------NA----------				
81		butyl acetate	0.190	0.057	70.0	34	0.00	5.36
82		dibromochloromethane		----------NA----------				
83		1,2-dibromoethane		----------NA----------				
84		n-butyl ether		----------NA----------				
85		chlorobenzene		----------NA----------				
86		1,1,1,2-tetrachloroethane		----------NA----------				
87		ethylbenzene		----------NA----------				

Continuing Calibration Summary

Job Number: JE1534 **Sample:** VY9149-CC9125
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** Y211511.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

88		m,p-xylene			----------NA----------				
89		o-xylene			----------NA----------				
90		styrene			----------NA----------				
91		bromoform			----------NA----------				
92		butyl acrylate			----------NA----------				
93		isopropylbenzene			----------NA----------				
94		cis-1,4-dichloro-2-butene			----------NA----------				
95	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	107	0.00	7.73	
96	S	4-bromofluorobenzene (s)	0.862	0.788	8.6	96	0.00	6.82	
97		bromobenzene			----------NA----------				
98		1,1,2,2-tetrachloroethane			----------NA----------				
99		trans-1,4-dichloro-2-bute			----------NA----------				
100		1,2,3-trichloropropane			----------NA----------				
101		n-propylbenzene			----------NA----------				
102		2-chlorotoluene			----------NA----------				
103		4-chlorotoluene			----------NA----------				
104		1,3,5-trimethylbenzene			----------NA----------				
105		tert-butylbenzene			----------NA----------				
106		1,2,4-trimethylbenzene			----------NA----------				
107		sec-butylbenzene			----------NA----------				
108		1,3-dichlorobenzene			----------NA----------				
109		p-isopropyltoluene			----------NA----------				
110		1,4-dichlorobenzene			----------NA----------				
111		1,2,3-trimethylbenzene			----------NA----------				
112		1,2-dichlorobenzene			----------NA----------				
113		n-butylbenzene			----------NA----------				
114		1,2-dibromo-3-chloropropa			----------NA----------				
115		1,3,5-trichlorobenzene			----------NA----------				
116		1,2,4-trichlorobenzene			----------NA----------				
117		hexachlorobutadiene			----------NA----------				
118		naphthalene			----------NA----------				
119		1,2,3-trichlorobenzene			----------NA----------				
120		hexachloroethane			----------NA----------				
		----------	True	Calc.	% Drift	----------			
121		benzyl chloride			----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------			
122		2-methylnaphthalene			----------NA----------				
123		pentafluorobenzene(a)	1.000	1.000	0.0	101	0.00	2.84	
124		vinyl bromide			----------NA----------				
125		Allyl chloride			----------NA----------				
126		1,4-dichlorobenzene-d4(a)	1.000	1.000	0.0	107	0.00	7.73	
127		4-ethyltoluene			----------NA----------				
128		Pentachloroethane			----------NA----------				
129		1,4-diethylbenzene			----------NA----------				
130		1,2,4,5-tetramethylbenzen			----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Y210875.D MY9125.M Tue Dec 03 06:49:41 2024

Run Sequence Report

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: V2S228	**Method:** SW846 8260D	**Instrument ID:** GCMS2S

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V2S228-BFB	2S009366.D	09/30/24 16:01	n/a	BFB Tune
V2S228-IC228	2S009368.D	09/30/24 16:40	n/a	Initial cal 0.2
V2S228-IC228	2S009370.D	09/30/24 17:06	n/a	Initial cal 0.5
V2S228-IC228	2S009372.D	09/30/24 17:32	n/a	Initial cal 1
V2S228-IC228	2S009374.D	09/30/24 17:57	n/a	Initial cal 2
V2S228-IC228	2S009376.D	09/30/24 18:23	n/a	Initial cal 4
V2S228-IC228	2S009378.D	09/30/24 18:49	n/a	Initial cal 8
V2S228-IC228	2S009380.D	09/30/24 19:15	n/a	Initial cal 20
V2S228-ICC228	2S009382.D	09/30/24 19:41	n/a	Initial cal 50
V2S228-IC228	2S009384.D	09/30/24 20:07	n/a	Initial cal 100
V2S228-IC228	2S009386.D	09/30/24 20:33	n/a	Initial cal 200
V2S228-ICV228	2S009392.D	09/30/24 21:50	n/a	Initial cal verification 50
V2S228-ICV228	2S009394.D	09/30/24 22:16	n/a	Initial cal verification 50
V2S228-BFB2	2S009398.D	10/01/24 15:24	n/a	BFB Tune
V2S228-ICV228	2S009400.D	10/01/24 16:08	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: V2S292	**Method:** SW846 8260D	**Instrument ID:** GCMS2S

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V2S292-CC228	2S011151.D	11/27/24 10:36	n/a	Continuing cal 20
V2S292-CC228	2S011152.D	11/27/24 11:12	n/a	Continuing cal 1
V2S292-BS	2S011153.D	11/27/24 11:39	n/a	Blank Spike
V2S292-MB	2S011155.D	11/27/24 12:32	n/a	Method Blank
ZZZZZZ	2S011156.D	11/27/24 13:01	n/a	(unrelated sample)
ZZZZZZ	2S011157.D	11/27/24 13:34	n/a	(unrelated sample)
JE1347-15	2S011159.D	11/27/24 14:27	n/a	(used for QC only; not part of job JE1534)
JE1347-17	2S011160.D	11/27/24 14:53	n/a	(used for QC only; not part of job JE1534)
ZZZZZZ	2S011161.D	11/27/24 15:20	n/a	(unrelated sample)
ZZZZZZ	2S011162.D	11/27/24 15:46	n/a	(unrelated sample)
JE1347-17MS	2S011163.D	11/27/24 16:13	n/a	Matrix Spike
JE1347-15DUP	2S011165.D	11/27/24 17:06	n/a	Duplicate
JE1534-8	2S011166.D	11/27/24 17:33	n/a	FB-3
ZZZZZZ	2S011167.D	11/27/24 18:00	n/a	(unrelated sample)
ZZZZZZ	2S011168.D	11/27/24 18:26	n/a	(unrelated sample)
ZZZZZZ	2S011169.D	11/27/24 18:53	n/a	(unrelated sample)
ZZZZZZ	2S011170.D	11/27/24 19:20	n/a	(unrelated sample)
ZZZZZZ	2S011171.D	11/27/24 19:46	n/a	(unrelated sample)
ZZZZZZ	2S011172.D	11/27/24 20:13	n/a	(unrelated sample)
ZZZZZZ	2S011173.D	11/27/24 20:40	n/a	(unrelated sample)
ZZZZZZ	2S011174.D	11/27/24 21:06	n/a	(unrelated sample)
ZZZZZZ	2S011175.D	11/27/24 21:33	n/a	(unrelated sample)
ZZZZZZ	2S011176.D	11/27/24 22:00	n/a	(unrelated sample)
ZZZZZZ	2S011177.D	11/27/24 22:26	n/a	(unrelated sample)

Run Sequence Report

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: V3C8247	**Method:** SW846 8260D	**Instrument ID:** GCMS3C

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V3C8247-BFB	3C189350.D	08/16/24 19:56	n/a	BFB Tune
V3C8247-IC8247	3C189351.D	08/16/24 20:29	n/a	Initial cal 0.2
V3C8247-IC8247	3C189352.D	08/16/24 20:55	n/a	Initial cal 0.5
V3C8247-IC8247	3C189353.D	08/16/24 21:21	n/a	Initial cal 1
V3C8247-IC8247	3C189354.D	08/16/24 21:47	n/a	Initial cal 2
V3C8247-IC8247	3C189355.D	08/16/24 22:13	n/a	Initial cal 4
V3C8247-IC8247	3C189356.D	08/16/24 22:39	n/a	Initial cal 8
V3C8247-IC8247	3C189357.D	08/16/24 23:04	n/a	Initial cal 20
V3C8247-ICC8247	3C189358.D	08/16/24 23:30	n/a	Initial cal 50
V3C8247-IC8247	3C189359.D	08/16/24 23:56	n/a	Initial cal 100
V3C8247-IC8247	3C189360.D	08/17/24 00:22	n/a	Initial cal 200
V3C8247-ICV8247	3C189363.D	08/17/24 01:40	n/a	Initial cal verification 50
V3C8247-ICV8247	3C189364.D	08/17/24 02:06	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: V3C8319	**Method:** SW846 8260D	**Instrument ID:** GCMS3C

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V3C8319-CC8247	3C191291.D	12/02/24 11:51	n/a	Continuing cal 50
V3C8319-CC8247	3C191292.D	12/02/24 12:28	n/a	Continuing cal 2
V3C8319-BS	3C191293.D	12/02/24 12:53	n/a	Blank Spike
V3C8319-MB	3C191295.D	12/02/24 14:00	n/a	Method Blank
JE1537-1	3C191296.D	12/02/24 14:26	n/a	(used for QC only; not part of job JE1534)
JE1537-8	3C191297.D	12/02/24 14:52	n/a	(used for QC only; not part of job JE1534)
ZZZZZZ	3C191298.D	12/02/24 15:17	n/a	(unrelated sample)
ZZZZZZ	3C191299.D	12/02/24 15:43	n/a	(unrelated sample)
ZZZZZZ	3C191300.D	12/02/24 16:09	n/a	(unrelated sample)
JE1537-1MS	3C191302.D	12/02/24 17:01	n/a	Matrix Spike
JE1537-8DUP	3C191304.D	12/02/24 17:52	n/a	Duplicate
ZZZZZZ	3C191305.D	12/02/24 18:18	n/a	(unrelated sample)
ZZZZZZ	3C191306.D	12/02/24 18:44	n/a	(unrelated sample)
ZZZZZZ	3C191307.D	12/02/24 19:09	n/a	(unrelated sample)
ZZZZZZ	3C191308.D	12/02/24 19:35	n/a	(unrelated sample)
ZZZZZZ	3C191309.D	12/02/24 20:01	n/a	(unrelated sample)
ZZZZZZ	3C191310.D	12/02/24 20:27	n/a	(unrelated sample)
ZZZZZZ	3C191311.D	12/02/24 20:53	n/a	(unrelated sample)
ZZZZZZ	3C191312.D	12/02/24 21:18	n/a	(unrelated sample)
ZZZZZZ	3C191313.D	12/02/24 21:44	n/a	(unrelated sample)
ZZZZZZ	3C191314.D	12/02/24 22:10	n/a	(unrelated sample)
ZZZZZZ	3C191315.D	12/02/24 22:36	n/a	(unrelated sample)
JE1534-1	3C191316.D	12/02/24 23:01	n/a	GRID-1
JE1534-2	3C191317.D	12/02/24 23:27	n/a	GRID-2

Run Sequence Report

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: VY9125	**Method:** SW846 8260D	**Instrument ID:** GCMSY

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VY9125-BFB	Y210871.D	10/31/24 22:00	n/a	BFB Tune
VY9125-IC9125	Y210872.D	10/31/24 22:28	n/a	Initial cal 0.2
VY9125-IC9125	Y210873.D	10/31/24 22:50	n/a	Initial cal 0.5
VY9125-IC9125	Y210874.D	10/31/24 23:12	n/a	Initial cal 1
VY9125-IC9125	Y210875.D	10/31/24 23:34	n/a	Initial cal 2
VY9125-IC9125	Y210876.D	10/31/24 23:56	n/a	Initial cal 4
VY9125-IC9125	Y210877.D	11/01/24 00:18	n/a	Initial cal 8
VY9125-IC9125	Y210878.D	11/01/24 00:39	n/a	Initial cal 20
VY9125-ICC9125	Y210879.D	11/01/24 01:01	n/a	Initial cal 50
VY9125-IC9125	Y210880.D	11/01/24 01:23	n/a	Initial cal 100
VY9125-IC9125	Y210881.D	11/01/24 01:45	n/a	Initial cal 200
VY9125-ICV9125	Y210884.D	11/01/24 02:50	n/a	Initial cal verification 50
VY9125-ICV9125	Y210885.D	11/01/24 03:12	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: VY9149	**Method:** SW846 8260D	**Instrument ID:** GCMSY

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VY9149-BFB	Y211510.D	12/02/24 14:25	n/a	BFB Tune
VY9149-CC9125	Y211510.D	12/02/24 14:25	n/a	Continuing cal 50
VY9149-CC9125	Y211511.D	12/02/24 15:02	n/a	Continuing cal 2
VY9149-BS	Y211512.D	12/02/24 15:23	n/a	Blank Spike
VY9149-MB	Y211514.D	12/02/24 16:23	n/a	Method Blank
JE1503-2	Y211515.D	12/02/24 16:45	n/a	(used for QC only; not part of job JE1534)
JE1503-4	Y211516.D	12/02/24 17:07	n/a	(used for QC only; not part of job JE1534)
ZZZZZZ	Y211517.D	12/02/24 17:29	n/a	(unrelated sample)
ZZZZZZ	Y211518.D	12/02/24 17:50	n/a	(unrelated sample)
ZZZZZZ	Y211519.D	12/02/24 18:12	n/a	(unrelated sample)
ZZZZZZ	Y211520.D	12/02/24 18:34	n/a	(unrelated sample)
JE1503-2MS	Y211521.D	12/02/24 18:56	n/a	Matrix Spike
JE1503-4DUP	Y211523.D	12/02/24 19:39	n/a	Duplicate
ZZZZZZ	Y211524.D	12/02/24 20:01	n/a	(unrelated sample)
ZZZZZZ	Y211525.D	12/02/24 20:23	n/a	(unrelated sample)
ZZZZZZ	Y211526.D	12/02/24 20:44	n/a	(unrelated sample)
ZZZZZZ	Y211527.D	12/02/24 21:06	n/a	(unrelated sample)
ZZZZZZ	Y211528.D	12/02/24 21:28	n/a	(unrelated sample)
ZZZZZZ	Y211529.D	12/02/24 21:50	n/a	(unrelated sample)
ZZZZZZ	Y211530.D	12/02/24 22:11	n/a	(unrelated sample)
ZZZZZZ	Y211531.D	12/02/24 22:33	n/a	(unrelated sample)
ZZZZZZ	Y211532.D	12/02/24 22:55	n/a	(unrelated sample)
JE1534-3	Y211533.D	12/02/24 23:17	n/a	GRID-5
JE1534-4	Y211534.D	12/02/24 23:38	n/a	GRID-6
JE1534-5	Y211535.D	12/03/24 00:00	n/a	GRID-17
JE1534-6	Y211536.D	12/03/24 00:22	n/a	GRID-19
JE1534-7	Y211537.D	12/03/24 00:44	n/a	GRID-25
ZZZZZZ	Y211538.D	12/03/24 01:05	n/a	(unrelated sample)
ZZZZZZ	Y211539.D	12/03/24 01:27	n/a	(unrelated sample)

MS Volatiles

Raw Data

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191316.D
Acq On : 2 Dec 2024 11:01 pm
Operator : PrashanS
Sample : JE1534-1 Inst : GCMS3C
Misc : MS87631,V3C8319,4.9,,,,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Dec 03 14:57:22 2024
Quant Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
QLast Update : Mon Aug 19 09:54:16 2024
Response via : Initial Calibration

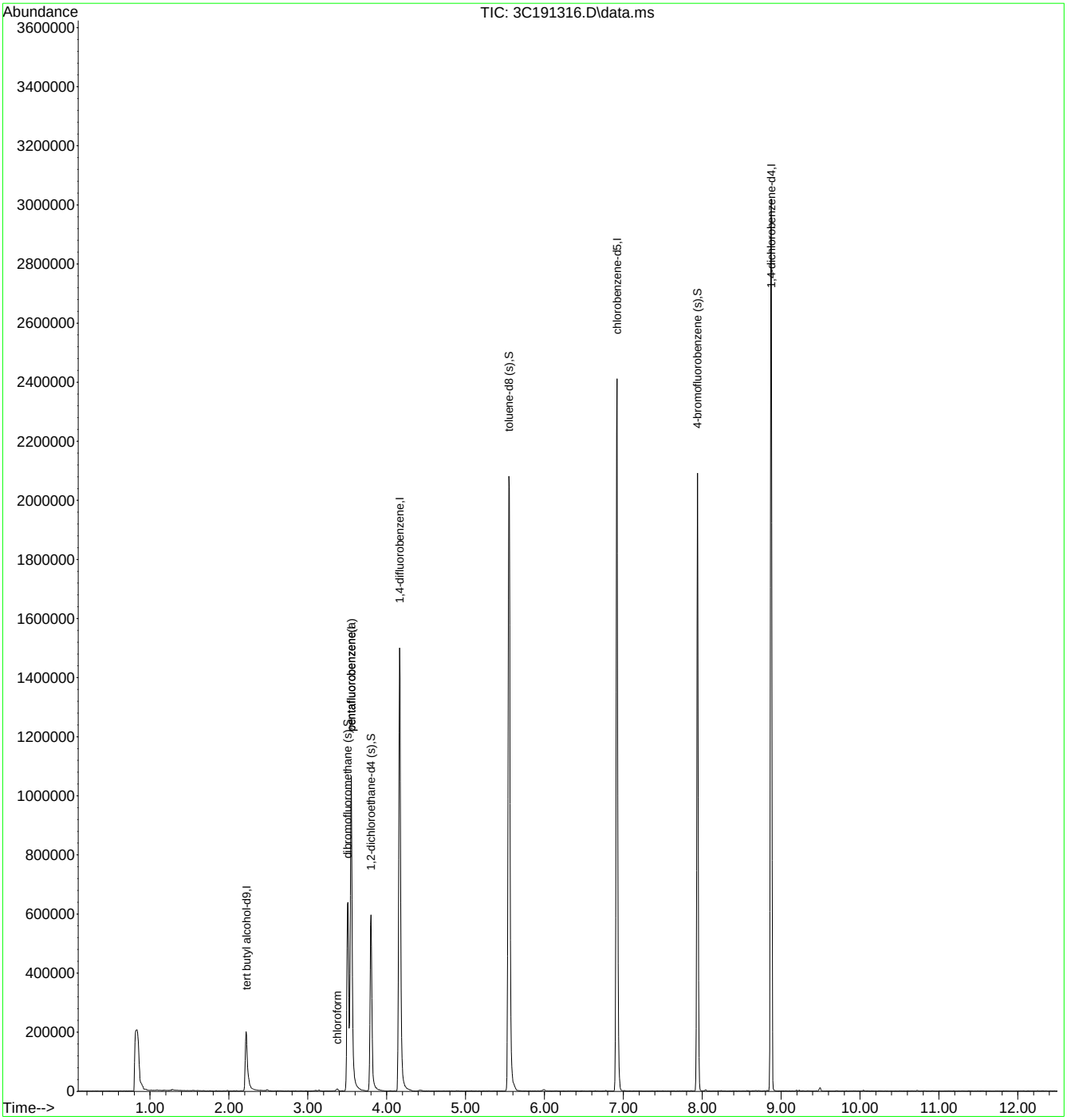
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.222	65	205210	500.00	ug/L	0.00
5) pentafluorobenzene	3.551	168	644853	50.00	ug/L	0.00
50) 1,4-difluorobenzene	4.163	114	1097071	50.00	ug/L	0.00
72) chlorobenzene-d5	6.919	117	1060110	50.00	ug/L	0.00
95) 1,4-dichlorobenzene-d4	8.875	152	570485	50.00	ug/L	0.00
123) pentafluorobenzene(a)	3.551	168	644853	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	3.503	113	332613	48.45	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 96.90%			
51) 1,2-dichloroethane-d4 (s)	3.802	65	349941	52.21	ug/L	0.00
Spiked Amount 50.000	Range 75 - 133		Recovery = 104.42%			
73) toluene-d8 (s)	5.549	98	1280903	44.47	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 88.94%			
96) 4-bromofluorobenzene (s)	7.939	95	473623	44.47	ug/L	0.00
Spiked Amount 50.000	Range 58 - 148		Recovery = 88.94%			
Target Compounds						Qvalue
40) chloroform	3.373	83	4062	0.4743	ug/L	85

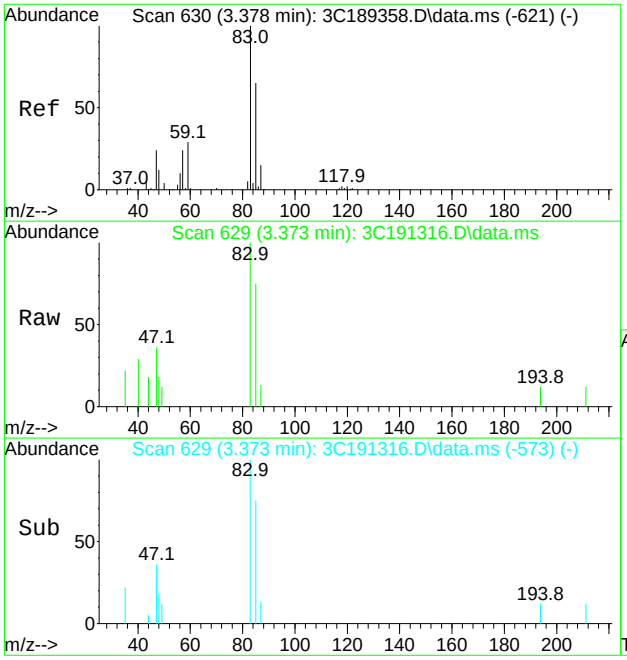
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191316.D
Acq On : 2 Dec 2024 11:01 pm
Operator : PrashanS
Sample : JE1534-1 Inst : GCMS3C
Misc : MS87631,V3C8319,4.9,,,,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Dec 03 14:57:22 2024
Quant Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
QLast Update : Mon Aug 19 09:54:16 2024
Response via : Initial Calibration

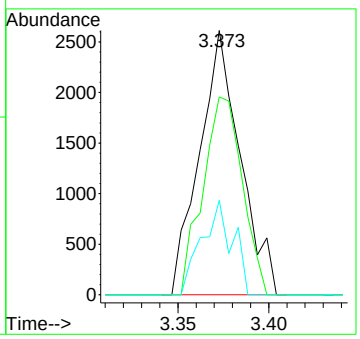




#40
chloroform
Concen: 0.4743 ug/L
RT: 3.373 min Scan# 629
Delta R.T. -0.005 min
Lab File: 3C191316.D
Acq: 2 Dec 2024 11:01 pm

Tgt Ion: 83 Resp: 4062

Ion	Ratio	Lower	Upper
83	100		
85	74.8	34.9	94.9
47	35.8	0.0	55.3



LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191316.D
Acq On : 2 Dec 2024 11:01 pm
Operator : PrashanS
Sample : JE1534-1
Misc : MS87631,V3C8319,4.9,,,,1
ALS Vial : 29 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

Signal : TIC: 3C191316.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	0.256	30	33	35	rVB	1105	1149	0.03%	0.006%
2	0.276	35	37	42	rBV	1180	1655	0.05%	0.008%
3	0.674	110	113	117	rBV2	1613	1899	0.05%	0.009%
4	0.831	135	143	161	rBV3	207773	747221	21.00%	3.604%
5	1.840	333	336	340	rVB	1356	1126	0.03%	0.005%
6	1.934	351	354	359	rBV2	1335	2187	0.06%	0.011%
7	1.982	359	363	367	rVB2	2002	2200	0.06%	0.011%
8	2.091	381	384	391	rBV2	1459	1985	0.06%	0.010%
9	2.149	393	395	401	rBV2	1057	1574	0.04%	0.008%
10	2.217	401	408	443	rBV	201515	450660	12.67%	2.174%
11	2.478	456	458	466	rVB3	3681	5141	0.14%	0.025%
12	2.797	517	519	522	rBV	1036	920	0.03%	0.004%
13	2.850	527	529	532	rBV	1205	874	0.02%	0.004%
14	3.069	568	571	573	rBV3	1044	998	0.03%	0.005%
15	3.106	573	578	580	rVV2	2315	3023	0.08%	0.015%
16	3.143	582	585	594	rVB4	4438	5851	0.16%	0.028%
17	3.221	597	600	602	rBV2	936	934	0.03%	0.005%
18	3.373	624	629	635	rVB3	8504	13936	0.39%	0.067%
19	3.509	645	655	658	rBV	638720	1009231	28.36%	4.868%
20	3.551	658	663	699	rVV	1064828	1884568	52.97%	9.090%
21	3.802	703	711	739	rBV	596060	1021517	28.71%	4.927%
22	4.032	752	755	757	rBV2	1210	1137	0.03%	0.005%
23	4.163	771	780	817	rVB	1500264	2563556	72.05%	12.365%
24	4.377	817	821	822	rBV2	840	962	0.03%	0.005%
25	4.419	822	829	838	rVV3	3592	9121	0.26%	0.044%
26	4.508	842	846	849	rBV2	1404	2110	0.06%	0.010%
27	4.534	849	851	856	rVB2	1232	1248	0.04%	0.006%
28	4.576	858	859	866	rBV2	640	968	0.03%	0.005%
29	4.717	884	886	893	rVB2	1232	1199	0.03%	0.006%
30	4.822	903	906	908	rVB	1371	1140	0.03%	0.005%
31	4.884	913	918	920	rBV2	1658	1697	0.05%	0.008%
32	5.041	945	948	950	rBV	1458	1559	0.04%	0.008%
33	5.125	962	964	969	rBV2	1392	1708	0.05%	0.008%
34	5.167	971	972	978	rVB2	1385	1657	0.05%	0.008%
35	5.203	978	979	982	rBV	1101	986	0.03%	0.005%
36	5.287	994	995	1002	rBV2	1453	2213	0.06%	0.011%
37	5.413	1014	1019	1021	rBV	1126	1402	0.04%	0.007%
38	5.549	1036	1045	1071	rBV	2080689	3532584	99.28%	17.039%
39	5.815	1095	1096	1100	rBV	1215	1097	0.03%	0.005%
40	5.988	1124	1129	1137	rVB	4612	8792	0.25%	0.042%

LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191316.D
Acq On : 2 Dec 2024 11:01 pm
Operator : PrashanS
Sample : JE1534-1
Misc : MS87631,V3C8319,4.9,,,,1
ALS Vial : 29 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

41	6.276	1180	1184	1185	rBV	821	923	0.03%	0.004%
42	6.474	1219	1222	1223	rBV	1627	1143	0.03%	0.006%
43	6.647	1250	1255	1258	rBV2	1798	2330	0.07%	0.011%
44	6.778	1277	1280	1285	rVB2	2440	2160	0.06%	0.010%
45	6.919	1297	1307	1323	rBV	2411354	3265811	91.79%	15.752%
46	7.139	1346	1349	1352	rBV	1584	1564	0.04%	0.008%
47	7.363	1388	1392	1399	rVB2	973	1554	0.04%	0.007%
48	7.635	1442	1444	1449	rVB2	1238	1779	0.05%	0.009%
49	7.688	1450	1454	1456	rVB	1077	977	0.03%	0.005%
50	7.714	1456	1459	1464	rBV2	1569	2087	0.06%	0.010%
51	7.756	1464	1467	1469	rBV	1107	1020	0.03%	0.005%
52	7.860	1484	1487	1490	rVB	2149	2088	0.06%	0.010%
53	7.892	1490	1493	1495	rBV2	1265	1517	0.04%	0.007%
54	7.939	1495	1502	1512	rVV	2091300	2505184	70.41%	12.084%
55	8.043	1518	1522	1528	rBV5	5244	6451	0.18%	0.031%
56	8.127	1535	1538	1539	rBV	1029	1084	0.03%	0.005%
57	8.242	1558	1560	1564	rVV2	1145	1091	0.03%	0.005%
58	8.336	1575	1578	1580	rBV2	931	1145	0.03%	0.006%
59	8.399	1585	1590	1595	rBV2	1265	2297	0.06%	0.011%
60	8.561	1618	1621	1624	rVB2	1535	1597	0.04%	0.008%
61	8.587	1624	1626	1630	rBV2	1960	1730	0.05%	0.008%
62	8.718	1647	1651	1654	rBV3	1984	2207	0.06%	0.011%
63	8.739	1654	1655	1660	rVB	1132	1149	0.03%	0.006%
64	8.781	1660	1663	1667	rBV2	1127	1884	0.05%	0.009%
65	8.823	1667	1671	1673	rVV2	2122	2145	0.06%	0.010%
66	8.875	1673	1681	1694	rVB	3019325	3558035	100.00%	17.162%
67	9.136	1728	1731	1737	rBV2	1423	2304	0.06%	0.011%
68	9.194	1739	1742	1745	rVV2	3271	3177	0.09%	0.015%
69	9.231	1745	1749	1753	rVV2	3496	3591	0.10%	0.017%
70	9.267	1754	1756	1762	rVB2	1500	2031	0.06%	0.010%
71	9.445	1786	1790	1791	rBV	1145	915	0.03%	0.004%
72	9.492	1793	1799	1807	rVV	11074	15442	0.43%	0.074%
73	9.581	1812	1816	1819	rVB2	876	1247	0.04%	0.006%
74	9.712	1836	1841	1843	rBV2	2037	2457	0.07%	0.012%
75	9.780	1852	1854	1858	rVB	901	897	0.03%	0.004%
76	9.827	1858	1863	1865	rBV	1803	1668	0.05%	0.008%
77	10.041	1901	1904	1907	rBV2	2450	1637	0.05%	0.008%
78	10.099	1913	1915	1922	rBV	1608	2136	0.06%	0.010%
79	10.151	1922	1925	1926	rVB	1406	992	0.03%	0.005%
80	10.240	1940	1942	1947	rBV	1252	1582	0.04%	0.008%
81	10.319	1954	1957	1961	rVB	1186	1550	0.04%	0.007%
82	10.449	1980	1982	1984	rBV	1298	882	0.02%	0.004%
83	10.606	2010	2012	2015	rBV	1648	972	0.03%	0.005%
84	10.721	2031	2034	2042	rVB2	2382	3386	0.10%	0.016%
85	10.794	2042	2048	2049	rBV2	969	1166	0.03%	0.006%

LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191316.D
Acq On : 2 Dec 2024 11:01 pm
Operator : PrashanS
Sample : JE1534-1
Misc : MS87631,V3C8319,4.9,,,,1
ALS Vial : 29 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

86	10.873	2061	2063	2067	rVB2	980	1190	0.03%	0.006%
87	10.915	2067	2071	2073	rBV2	1481	1553	0.04%	0.007%
88	11.009	2087	2089	2091	rBV	1437	1048	0.03%	0.005%
89	11.380	2157	2160	2162	rBV2	1544	1554	0.04%	0.007%
90	11.767	2233	2234	2242	rVB2	1221	1725	0.05%	0.008%
91	11.820	2242	2244	2246	rBV	1508	879	0.02%	0.004%
92	11.924	2262	2264	2267	rVB	1151	950	0.03%	0.005%
93	11.950	2267	2269	2273	rBV2	1289	1150	0.03%	0.006%
94	12.008	2277	2280	2282	rVB	1098	1099	0.03%	0.005%
95	12.039	2282	2286	2289	rBV2	1362	1832	0.05%	0.009%
96	12.160	2306	2309	2312	rBV	1508	2008	0.06%	0.010%
97	12.248	2323	2326	2329	rVB	1349	1490	0.04%	0.007%
98	12.400	2352	2355	2356	rBV	1071	924	0.03%	0.004%
99	12.452	2362	2365	2366	rBV	1099	997	0.03%	0.005%
100	12.468	2366	2368	2370	rVB	1436	905	0.03%	0.004%

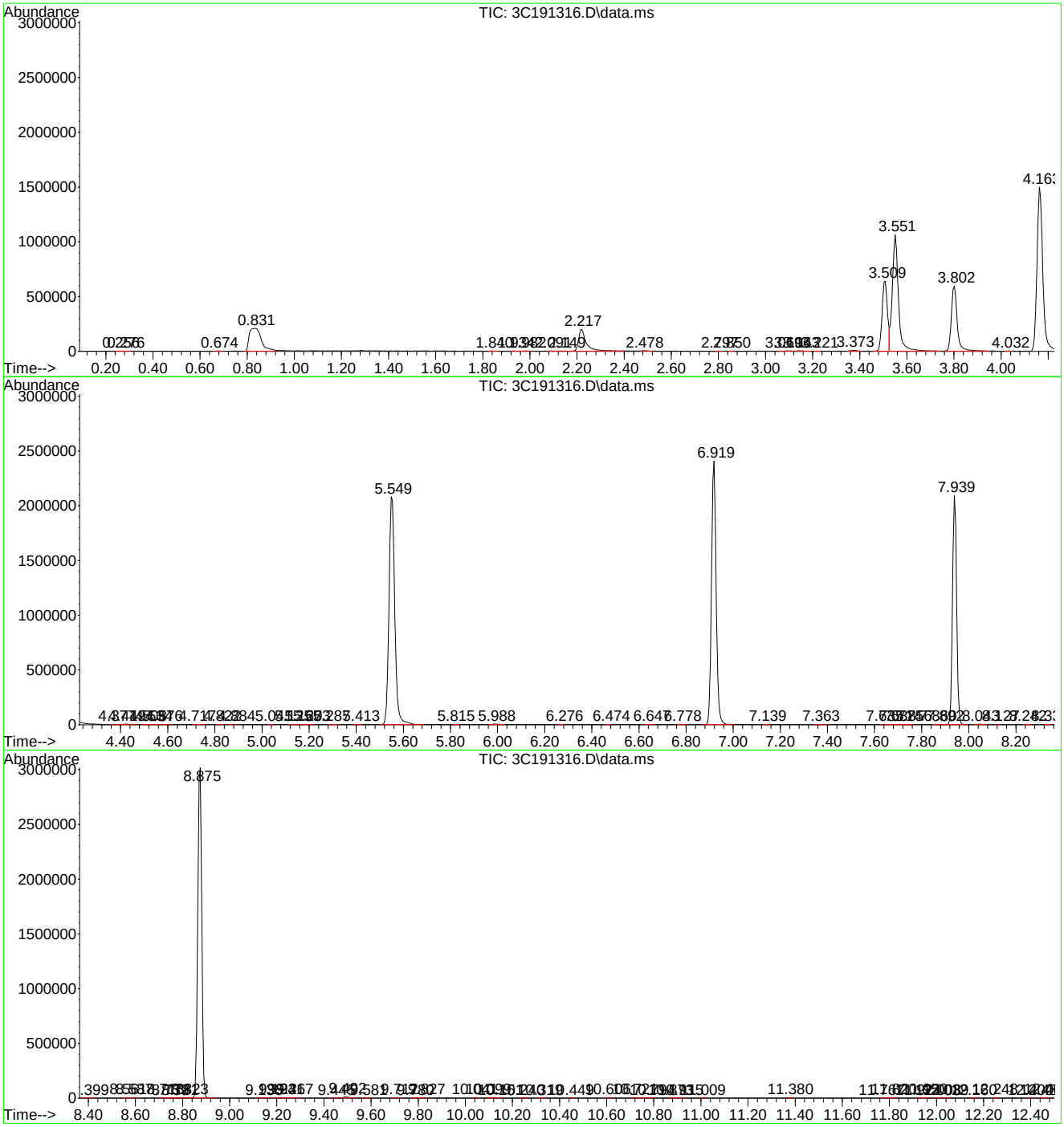
Sum of corrected areas: 20732073

LSC Report - Integrated Chromatogram

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191316.D
Acq On : 2 Dec 2024 11:01 pm
Operator : PrashanS
Sample : JE1534-1
Misc : MS87631,V3C8319,4.9,,,,1
ALS Vial : 29 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p



Library Search Compound Report

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191316.D
Acq On : 2 Dec 2024 11:01 pm
Operator : PrashanS
Sample : JE1534-1
Misc : MS87631,V3C8319,4.9,,,,1
ALS Vial : 29 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

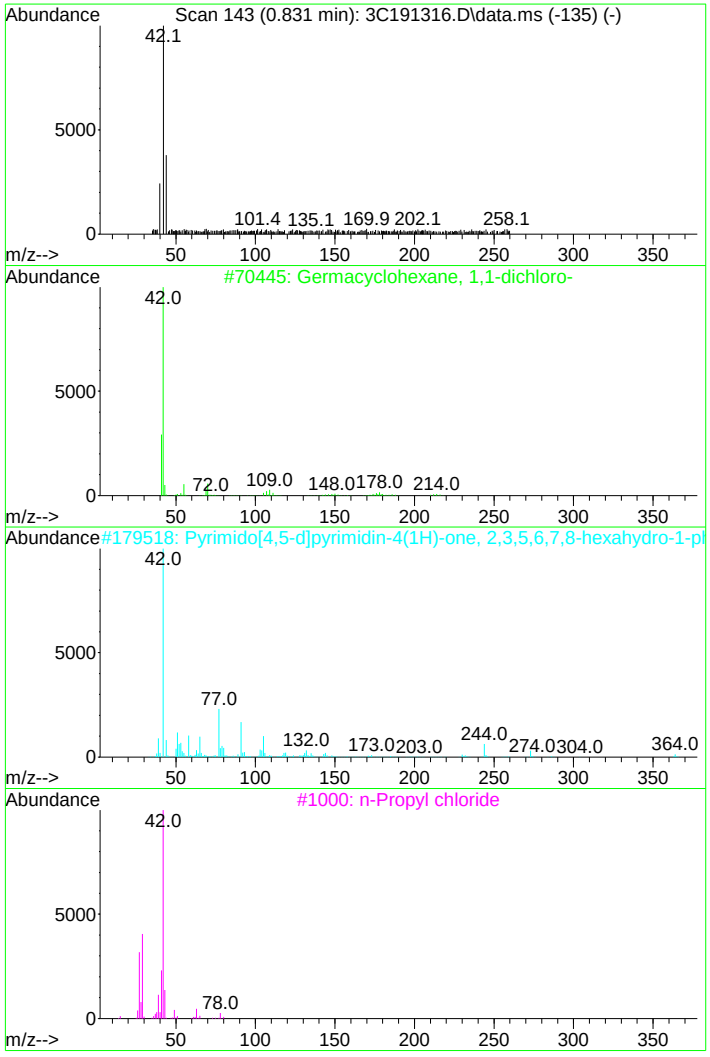
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

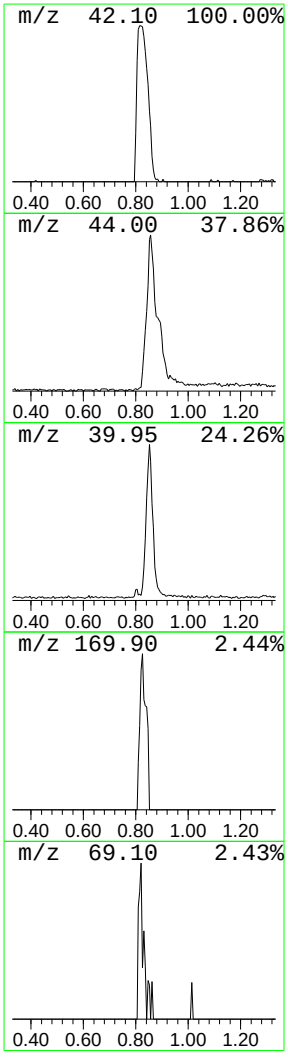
****

Peak Number 1 system artifact Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
0.831	19.82 ug/L	747221	pentafluorobenzene	3.551

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Germacyclohexane, 1,1-dichloro-	214	C5H10Cl2Ge	056438-28-9	40
2	Pyrimido[4,5-d]pyrimidin-4(1H)-o...	364	C20H20N4OS	1000351-71-9	40
3	n-Propyl chloride	78	C3H7Cl	000540-54-5	38
4	2H-Tetrazol-2-ethanal, 5-methyl-	126	C4H6N4O	1000270-75-3	36
5	3-n-Butyl-6-[3',6'-bis[trifluoro...	455	C24H23F6NO	1000214-59-3	36





Tentatively Identified Compound (LSC) summary

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191316.D
Acq On : 2 Dec 2024 11:01 pm
Operator : PrashanS
Sample : JE1534-1
Misc : MS87631,V3C8319,4.9,,,,1
ALS Vial : 29 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
system artifact	0.831	19.8	ug/L	747221	2	3.551	1884570	50.0

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191317.D
Acq On : 2 Dec 2024 11:27 pm
Operator : PrashanS
Sample : JE1534-2 Inst : GCMS3C
Misc : MS87631,V3C8319,4.7,,,,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 03 14:58:33 2024
Quant Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
QLast Update : Mon Aug 19 09:54:16 2024
Response via : Initial Calibration

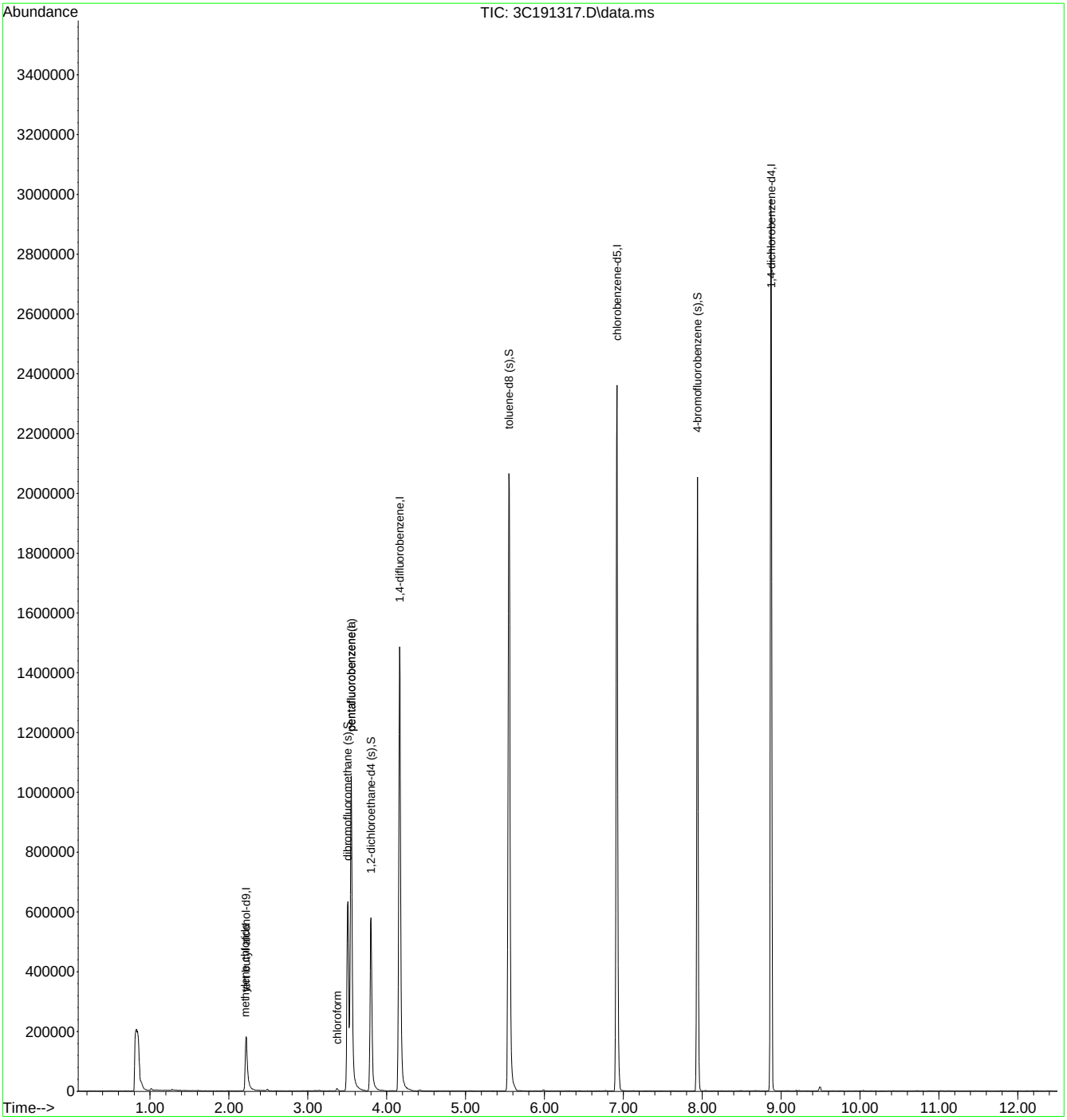
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.217	65	181685	500.00	ug/L	0.00
5) pentafluorobenzene	3.551	168	643625	50.00	ug/L	0.00
50) 1,4-difluorobenzene	4.163	114	1087072	50.00	ug/L	0.00
72) chlorobenzene-d5	6.919	117	1051448	50.00	ug/L	0.00
95) 1,4-dichlorobenzene-d4	8.875	152	565433	50.00	ug/L	0.00
123) pentafluorobenzene(a)	3.551	168	643625	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	3.504	113	327122	47.74	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 95.48%			
51) 1,2-dichloroethane-d4 (s)	3.802	65	340708	51.30	ug/L	0.00
Spiked Amount 50.000	Range 75 - 133		Recovery = 102.60%			
73) toluene-d8 (s)	5.549	98	1268767	44.41	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 88.82%			
96) 4-bromofluorobenzene (s)	7.939	95	463525	43.91	ug/L	0.00
Spiked Amount 50.000	Range 58 - 148		Recovery = 87.82%			
Target Compounds						Qvalue
22) methylene chloride	2.206	84	2217	0.4344	ug/L #	66
40) chloroform	3.373	83	4347	0.5085	ug/L	95

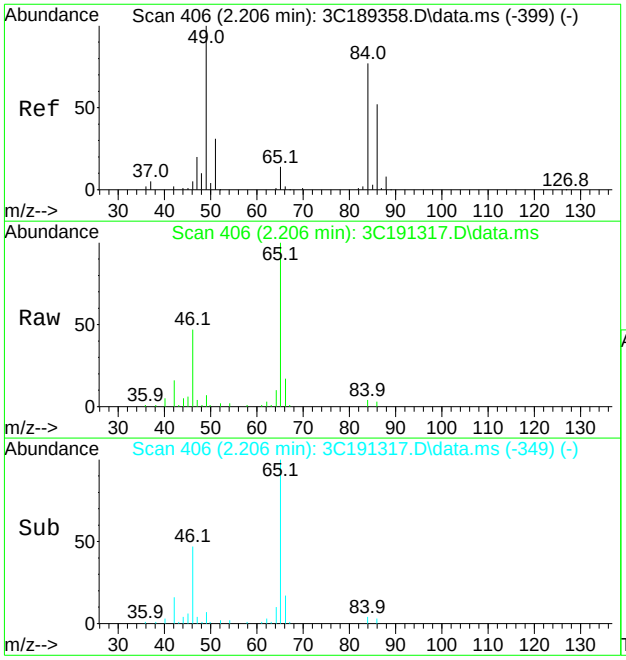
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191317.D
Acq On : 2 Dec 2024 11:27 pm
Operator : PrashanS
Sample : JE1534-2 Inst : GCMS3C
Misc : MS87631,V3C8319,4.7,,,,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 03 14:58:33 2024
Quant Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
QLast Update : Mon Aug 19 09:54:16 2024
Response via : Initial Calibration

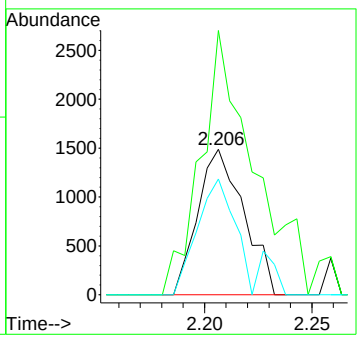


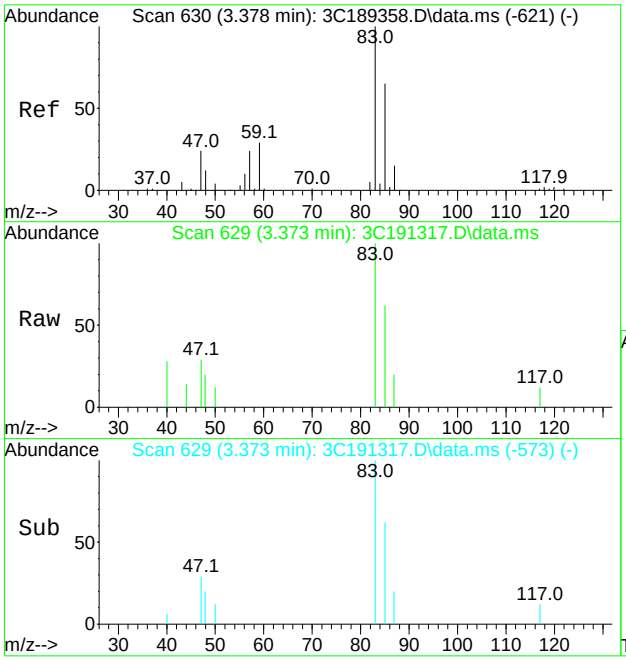


#22
methylene chloride
Concen: 0.4344 ug/L
RT: 2.206 min Scan# 406
Delta R.T. 0.000 min
Lab File: 3C191317.D
Acq: 2 Dec 2024 11:27 pm

Tgt Ion: 84 Resp: 2217

Ion	Ratio	Lower	Upper
84	100		
49	181.9	100.3	160.3#
86	79.6	37.9	97.9

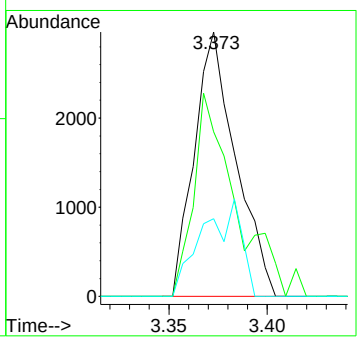




#40
chloroform
Concen: 0.5085 ug/L
RT: 3.373 min Scan# 629
Delta R.T. -0.005 min
Lab File: 3C191317.D
Acq: 2 Dec 2024 11:27 pm

Tgt Ion: 83 Resp: 4347

Ion	Ratio	Lower	Upper
83	100		
85	62.3	34.9	94.9
47	29.4	0.0	55.3



LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191317.D
Acq On : 2 Dec 2024 11:27 pm
Operator : PrashanS
Sample : JE1534-2
Misc : MS87631,V3C8319,4.7,,,,1
ALS Vial : 30 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

Signal : TIC: 3C191317.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	0.135	6	10	14	rVB2	782	1017	0.03%	0.005%
2	0.245	29	31	33	rBV	1349	1069	0.03%	0.005%
3	0.360	50	53	56	rBV	1230	1259	0.04%	0.006%
4	0.397	56	60	62	rBV2	1268	1337	0.04%	0.007%
5	0.517	79	83	85	rVB2	1016	1371	0.04%	0.007%
6	0.831	134	143	175	rBV2	206478	775590	22.11%	3.790%
7	1.014	175	178	184	rVB3	6351	8235	0.23%	0.040%
8	1.281	226	229	233	rBV3	4358	4753	0.14%	0.023%
9	1.610	289	292	297	rVB	1921	2667	0.08%	0.013%
10	1.982	360	363	365	rVB2	1806	1817	0.05%	0.009%
11	2.154	393	396	399	rBV	831	970	0.03%	0.005%
12	2.217	399	408	438	rBV	181548	400108	11.41%	1.955%
13	2.489	455	460	465	rVB4	5499	8153	0.23%	0.040%
14	2.614	480	484	486	rBV	1917	1829	0.05%	0.009%
15	2.703	500	501	507	rBV2	922	1174	0.03%	0.006%
16	2.865	524	532	535	rBV2	878	2300	0.07%	0.011%
17	3.090	571	575	580	rVB2	2095	3085	0.09%	0.015%
18	3.137	582	584	590	rVB4	2829	4737	0.14%	0.023%
19	3.368	623	628	639	rBV3	8959	13036	0.37%	0.064%
20	3.509	646	655	658	rBV	633488	994930	28.36%	4.861%
21	3.551	658	663	694	rVB	1052364	1870428	53.33%	9.139%
22	3.802	702	711	736	rBV	578813	998469	28.47%	4.879%
23	4.047	753	758	760	rBV2	1990	2144	0.06%	0.010%
24	4.074	760	763	767	rVV2	1300	1915	0.05%	0.009%
25	4.163	772	780	817	rVB	1486216	2534443	72.26%	12.384%
26	4.424	824	830	836	rBV2	3557	6538	0.19%	0.032%
27	4.618	863	867	869	rBV	1307	1382	0.04%	0.007%
28	4.743	886	891	893	rBV2	1581	1952	0.06%	0.010%
29	4.890	916	919	924	rBV3	1229	1876	0.05%	0.009%
30	5.015	941	943	948	rBV2	1325	1726	0.05%	0.008%
31	5.057	948	951	958	rVB	2049	2832	0.08%	0.014%
32	5.120	958	963	966	rBV2	1166	1555	0.04%	0.008%
33	5.156	966	970	973	rBV	1384	1543	0.04%	0.008%
34	5.444	1022	1025	1027	rVB	1038	1034	0.03%	0.005%
35	5.549	1036	1045	1068	rBV	2065098	3494280	99.62%	17.074%
36	5.878	1106	1108	1113	rVB	1206	1366	0.04%	0.007%
37	5.909	1113	1114	1120	rBV	1335	1057	0.03%	0.005%
38	5.988	1124	1129	1138	rVB3	4717	7931	0.23%	0.039%
39	6.092	1145	1149	1154	rBV2	1210	2276	0.06%	0.011%
40	6.155	1158	1161	1167	rVV2	989	1819	0.05%	0.009%

LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191317.D
Acq On : 2 Dec 2024 11:27 pm
Operator : PrashanS
Sample : JE1534-2
Misc : MS87631,V3C8319,4.7,,,,1
ALS Vial : 30 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

41	6.197	1167	1169	1174	rVB	943	1104	0.03%	0.005%
42	6.312	1190	1191	1194	rBV2	1714	991	0.03%	0.005%
43	6.333	1194	1195	1202	rVB2	1210	1726	0.05%	0.008%
44	6.459	1217	1219	1225	rVB2	1332	1394	0.04%	0.007%
45	6.678	1258	1261	1265	rVB	1634	1647	0.05%	0.008%
46	6.772	1277	1279	1289	rVB2	2270	3469	0.10%	0.017%
47	6.851	1289	1294	1299	rVB2	1812	2185	0.06%	0.011%
48	6.919	1299	1307	1324	rBV	2361420	3216241	91.69%	15.715%
49	7.076	1335	1337	1341	rVB2	885	1161	0.03%	0.006%
50	7.133	1344	1348	1353	rVB3	2304	2765	0.08%	0.014%
51	7.175	1353	1356	1358	rBV	1180	1245	0.04%	0.006%
52	7.269	1372	1374	1377	rBV	1389	1063	0.03%	0.005%
53	7.332	1383	1386	1390	rVB2	1529	1950	0.06%	0.010%
54	7.390	1394	1397	1400	rBV	1390	1230	0.04%	0.006%
55	7.526	1419	1423	1428	rVB	989	1768	0.05%	0.009%
56	7.578	1428	1433	1436	rBV2	1144	1599	0.05%	0.008%
57	7.860	1483	1487	1490	rBV	1302	1301	0.04%	0.006%
58	7.939	1492	1502	1517	rVV	2053568	2459392	70.12%	12.017%
59	8.038	1517	1521	1527	rVB	3049	3957	0.11%	0.019%
60	8.211	1552	1554	1558	rBV	938	1079	0.03%	0.005%
61	8.242	1558	1560	1566	rVB	1836	1833	0.05%	0.009%
62	8.493	1605	1608	1610	rBV2	2134	2235	0.06%	0.011%
63	8.671	1640	1642	1647	rVB2	1410	1656	0.05%	0.008%
64	8.823	1669	1671	1673	rVB	1399	956	0.03%	0.005%
65	8.870	1673	1680	1692	rBV	2984086	3507598	100.00%	17.139%
66	9.121	1725	1728	1730	rBV	1562	1532	0.04%	0.007%
67	9.194	1739	1742	1745	rBV2	3508	3289	0.09%	0.016%
68	9.225	1745	1748	1753	rBV3	2979	3366	0.10%	0.016%
69	9.346	1768	1771	1778	rBV2	1360	2132	0.06%	0.010%
70	9.487	1793	1798	1806	rBV	14300	22729	0.65%	0.111%
71	9.665	1830	1832	1838	rBV2	1103	1682	0.05%	0.008%
72	9.712	1838	1841	1845	rVB2	1156	1698	0.05%	0.008%
73	9.743	1845	1847	1849	rBV	2018	1321	0.04%	0.006%
74	9.827	1857	1863	1867	rBV2	852	1718	0.05%	0.008%
75	9.853	1867	1868	1873	rBV2	996	1205	0.03%	0.006%
76	10.047	1898	1905	1907	rVV3	2647	3369	0.10%	0.016%
77	10.078	1908	1911	1914	rVB	1389	986	0.03%	0.005%
78	10.115	1914	1918	1920	rBV	1078	1598	0.05%	0.008%
79	10.146	1922	1924	1929	rVV	1092	1562	0.04%	0.008%
80	10.203	1932	1935	1937	rVB	1371	1422	0.04%	0.007%
81	10.507	1991	1993	1995	rBV	1372	1181	0.03%	0.006%
82	10.643	2016	2019	2022	rBV2	1150	964	0.03%	0.005%
83	10.716	2031	2033	2039	rVB2	1443	1963	0.06%	0.010%
84	10.878	2061	2064	2067	rVB2	1590	1368	0.04%	0.007%
85	10.941	2072	2076	2078	rBV2	1090	1620	0.05%	0.008%

LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191317.D
Acq On : 2 Dec 2024 11:27 pm
Operator : PrashanS
Sample : JE1534-2
Misc : MS87631,V3C8319,4.7,,,,1
ALS Vial : 30 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

86	11.014	2088	2090	2095	rVV	1254	1512	0.04%	0.007%
87	11.119	2105	2110	2111	rVB2	831	1090	0.03%	0.005%
88	11.182	2117	2122	2124	rVB	1077	1416	0.04%	0.007%
89	11.229	2124	2131	2134	rBV2	1233	2147	0.06%	0.010%
90	11.323	2147	2149	2153	rVB2	1008	1304	0.04%	0.006%
91	11.365	2153	2157	2158	rBV2	1112	1523	0.04%	0.007%
92	11.453	2172	2174	2178	rBV2	1203	1178	0.03%	0.006%
93	11.694	2219	2220	2226	rVB2	1460	1573	0.04%	0.008%
94	11.736	2226	2228	2231	rVB	1527	1293	0.04%	0.006%
95	11.773	2231	2235	2237	rBV	1905	1833	0.05%	0.009%
96	12.113	2297	2300	2302	rBV	1682	1288	0.04%	0.006%
97	12.133	2302	2304	2307	rVV2	1351	1616	0.05%	0.008%
98	12.248	2324	2326	2329	rBV	1732	1282	0.04%	0.006%
99	12.374	2349	2350	2355	rBV2	995	1128	0.03%	0.006%
100	12.416	2355	2358	2363	rBV2	949	1355	0.04%	0.007%

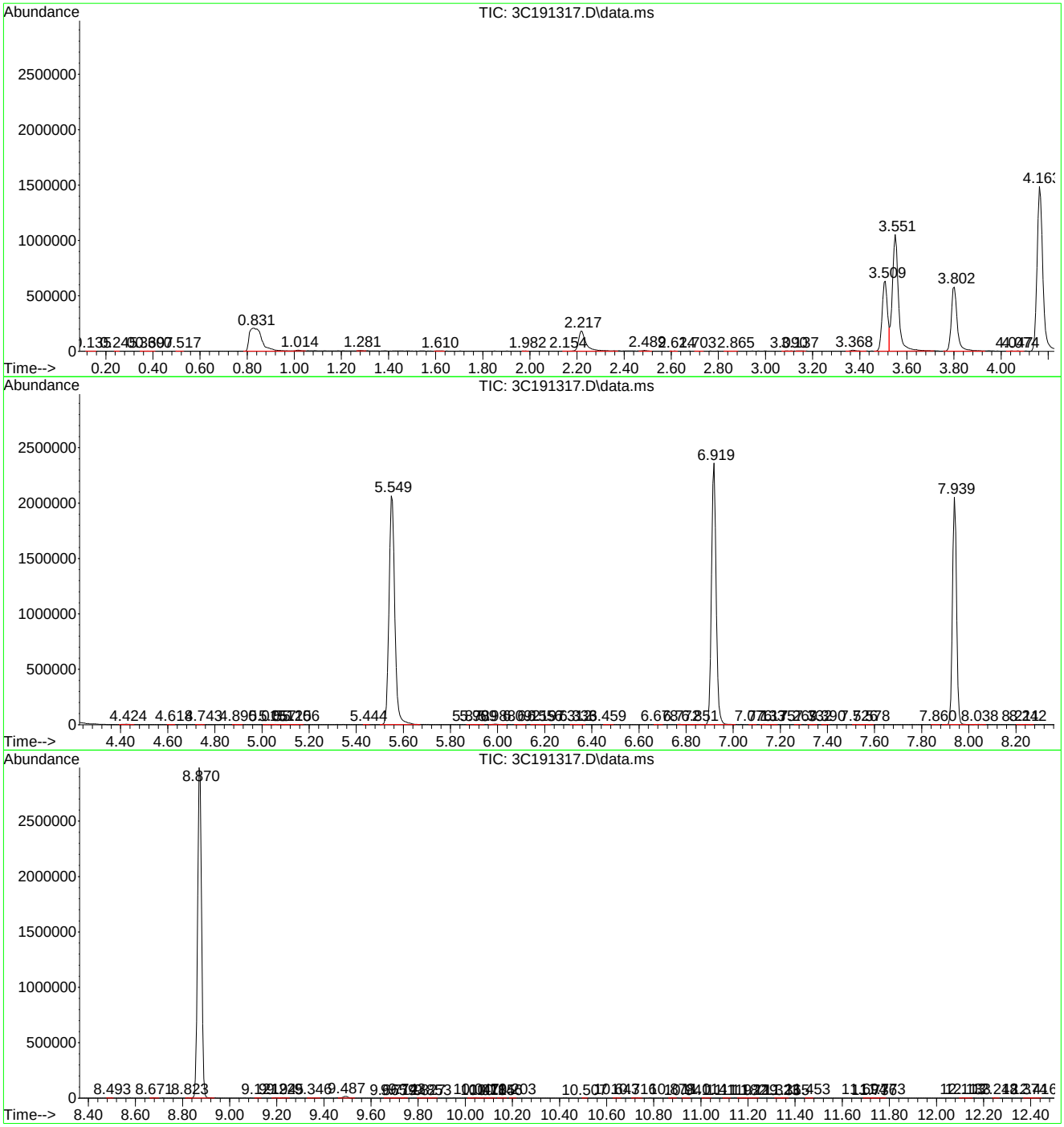
Sum of corrected areas: 20465791

LSC Report - Integrated Chromatogram

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191317.D
Acq On : 2 Dec 2024 11:27 pm
Operator : PrashanS
Sample : JE1534-2
Misc : MS87631,V3C8319,4.7,,,,1
ALS Vial : 30 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p



Library Search Compound Report

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191317.D
Acq On : 2 Dec 2024 11:27 pm
Operator : PrashanS
Sample : JE1534-2
Misc : MS87631,V3C8319,4.7,,,,1
ALS Vial : 30 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

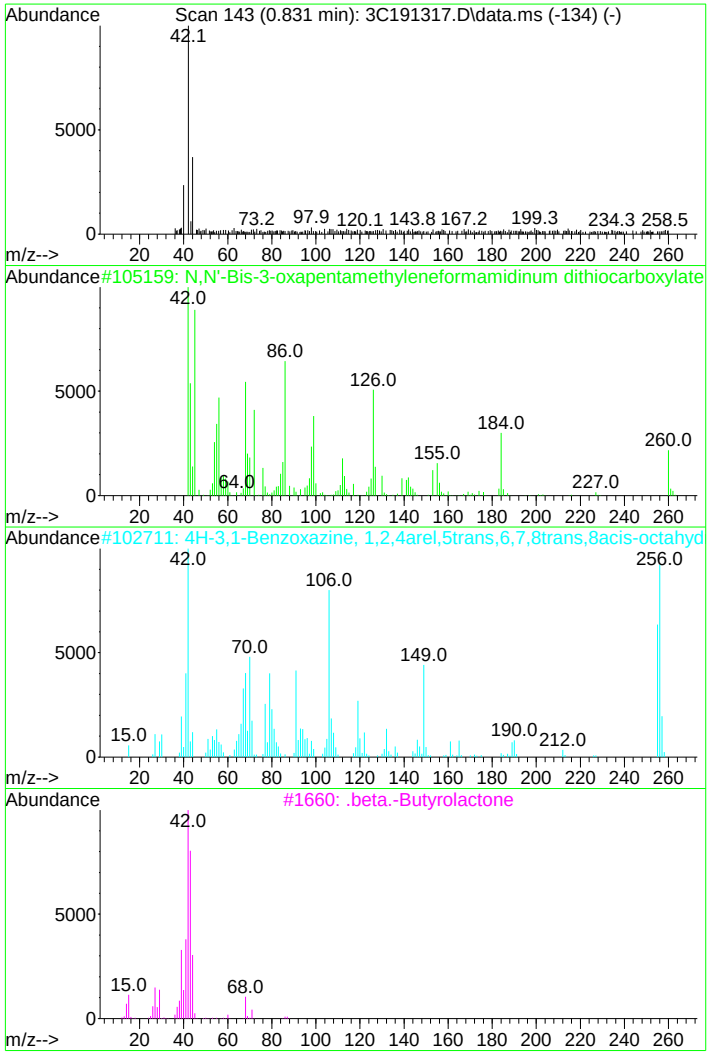
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

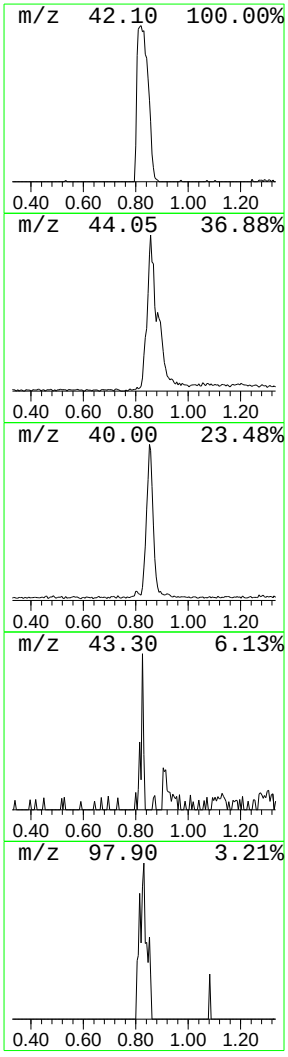
****

Peak Number 1 system artifact Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
0.831	20.73 ug/L	775590	pentafluorobenzene	3.551

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N,N'-Bis-3-oxapentamethyleneform...	260	C10H16N2O2S2	004030-53-9	98
2	4H-3,1-Benzoxazine, 1,2,4arel,5t...	256	C16H20N2O	112456-37-8	64
3	.beta.-Butyrolactone	86	C4H6O2	003068-88-0	50
4	1,3,5-Triazaadamantane, 7-(2,4-d...	310	C14H16Cl2N4	304880-73-7	50
5	Azetidine, 1-bromo-	135	C3H6BrN	038455-26-4	50





Tentatively Identified Compound (LSC) summary

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191317.D
Acq On : 2 Dec 2024 11:27 pm
Operator : PrashanS
Sample : JE1534-2
Misc : MS87631,V3C8319,4.7,,,,1
ALS Vial : 30 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
system artifact	0.831	20.7	ug/L	775590	2	3.551	1870430	50.0

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Dec 2024\12-03-24\VY9149\
Data File : Y211533.d
Acq On : 2 Dec 2024 11:17 pm
Operator : PrashanS
Sample : JE1534-3 Inst : GCMSY
Misc : MS87631,VY9149,4.9,,,,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 03 07:17:26 2024
Quant Method : C:\msdchem\1\methods\MY9125.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
QLast Update : Mon Nov 04 11:44:01 2024
Response via : Initial Calibration

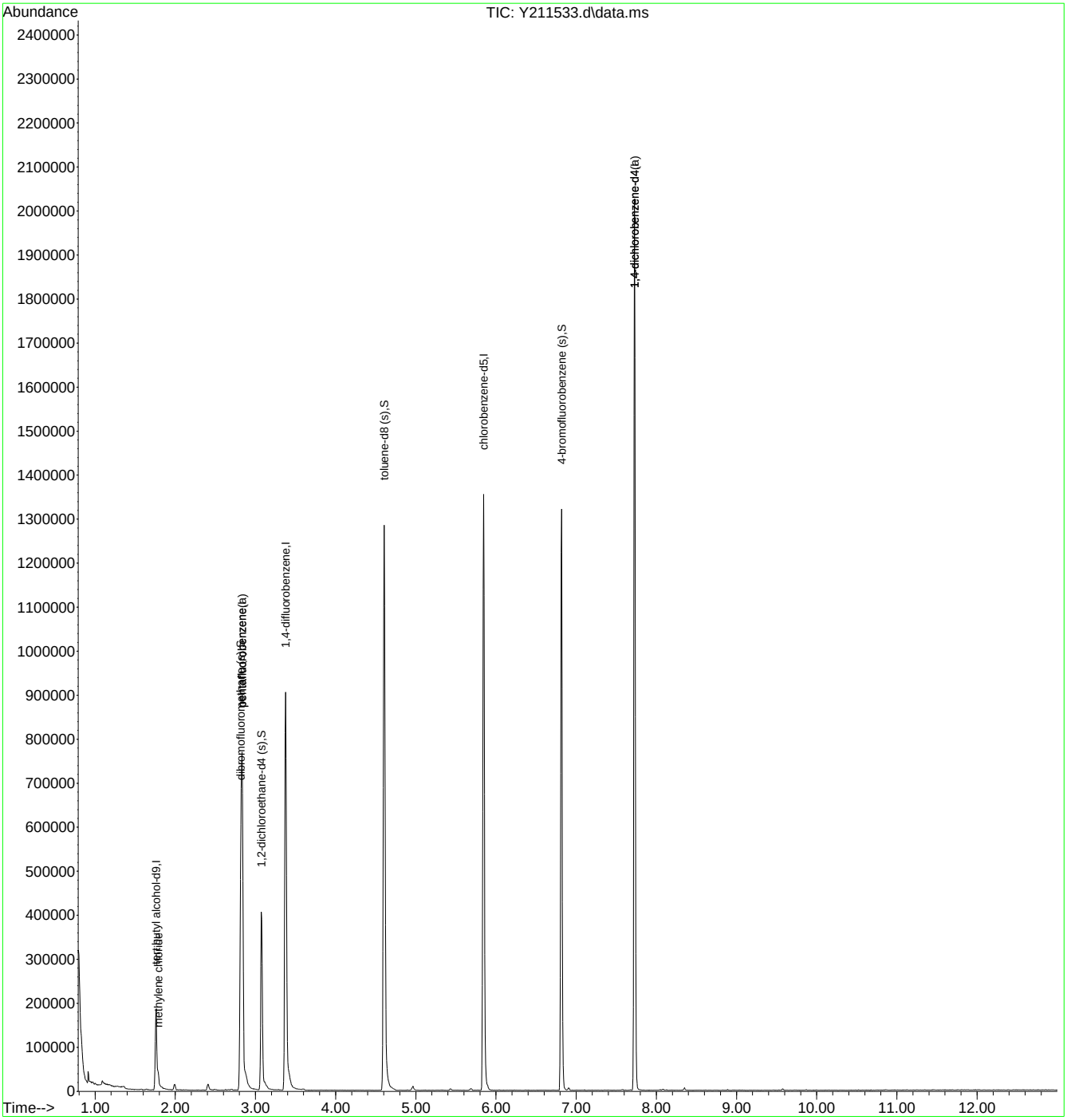
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	1.760	65	128968	500.00	ug/L	0.00
5) pentafluorobenzene	2.832	168	408167	50.00	ug/L	0.00
50) 1,4-difluorobenzene	3.376	114	629863	50.00	ug/L	0.00
72) chlorobenzene-d5	5.845	117	595884	50.00	ug/L	0.00
95) 1,4-dichlorobenzene-d4	7.728	152	388745	50.00	ug/L	0.00
123) pentafluorobenzene(a)	2.832	168	408167	50.00	ug/L	0.00
126) 1,4-dichlorobenzene-d4(a)	7.728	152	388745	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	2.817	113	210155	48.64	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 97.28%			
51) 1,2-dichloroethane-d4 (s)	3.073	65	226194	47.89	ug/L	0.00
Spiked Amount 50.000	Range 75 - 133		Recovery = 95.78%			
73) toluene-d8 (s)	4.605	98	722842	45.96	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 91.92%			
96) 4-bromofluorobenzene (s)	6.818	95	308057	45.99	ug/L	0.00
Spiked Amount 50.000	Range 58 - 148		Recovery = 91.98%			
Target Compounds						Qvalue
22) methylene chloride	1.786	84	7986	1.7290	ug/L	90

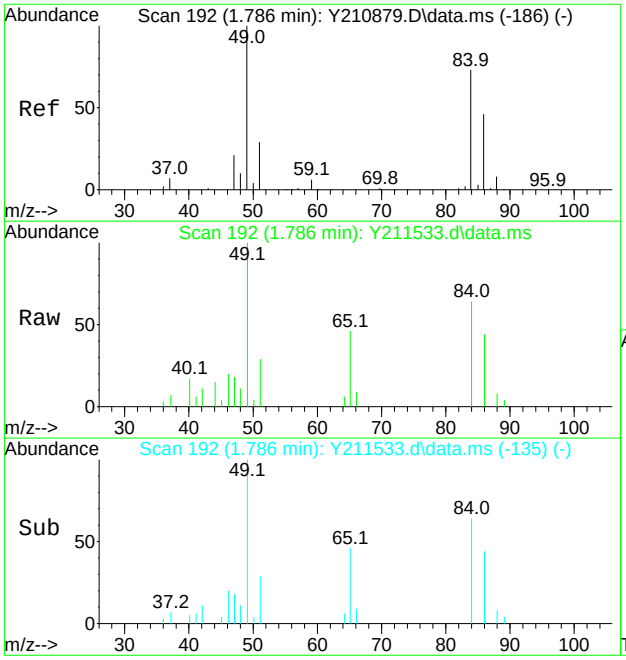
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Dec 2024\12-03-24\VY9149\
Data File : Y211533.d
Acq On : 2 Dec 2024 11:17 pm
Operator : PrashanS
Sample : JE1534-3 Inst : GCMSY
Misc : MS87631,VY9149,4.9,,,,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 03 07:17:26 2024
Quant Method : C:\msdchem\1\methods\MY9125.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
QLast Update : Mon Nov 04 11:44:01 2024
Response via : Initial Calibration

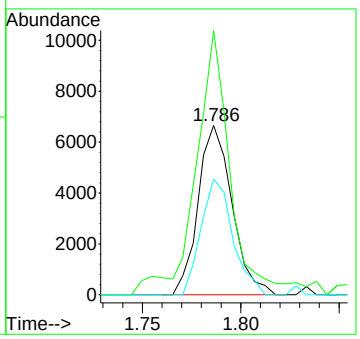




#22
methylene chloride
Concen: 1.7290 ug/L
RT: 1.786 min Scan# 192
Delta R.T. 0.000 min
Lab File: Y211533.d
Acq: 2 Dec 2024 11:17 pm

Tgt Ion: 84 Resp: 7986

Ion	Ratio	Lower	Upper
84	100		
49	149.7	106.8	166.8
86	68.4	32.7	92.7



LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\rosanlie\Dec 2024\12-03-24\VY9149\
Data File : Y211533.d
Acq On : 2 Dec 2024 11:17 pm
Operator : PrashanS
Sample : JE1534-3
Misc : MS87631,VY9149,4.9,,,,1
ALS Vial : 25 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\MY9125.M
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

Signal : TIC: Y211533.d\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	0.913	23	25	34	rVB2	26850	25834	1.10%	0.211%
2	1.091	56	59	72	rVB5	9406	17269	0.74%	0.141%
3	1.493	135	136	143	rBV2	1527	2484	0.11%	0.020%
4	1.640	160	164	167	rBV3	2365	2785	0.12%	0.023%
5	1.713	175	178	181	rBV2	1111	1135	0.05%	0.009%
6	1.760	181	187	219	rBV	184091	329107	14.03%	2.686%
7	1.990	226	231	236	rVB4	13175	18810	0.80%	0.154%
8	2.058	241	244	250	rVB3	1357	1854	0.08%	0.015%
9	2.288	286	288	295	rBV2	1077	1273	0.05%	0.010%
10	2.351	295	300	304	rVB2	967	1735	0.07%	0.014%
11	2.409	304	311	320	rBV	14395	23991	1.02%	0.196%
12	2.487	323	326	333	rVB2	2528	4172	0.18%	0.034%
13	2.628	349	353	356	rVB	1336	977	0.04%	0.008%
14	2.665	356	360	363	rBV2	957	1288	0.05%	0.011%
15	2.696	363	366	371	rVB2	2113	2902	0.12%	0.024%
16	2.832	382	392	419	rBV2	768395	1809784	77.14%	14.773%
17	3.073	432	438	467	rVB	404530	620740	26.46%	5.067%
18	3.376	488	496	521	rBV	904307	1443734	61.54%	11.785%
19	3.591	534	537	544	rVB4	2930	5464	0.23%	0.045%
20	3.643	545	547	551	rVB2	839	1098	0.05%	0.009%
21	3.737	561	565	568	rVB2	796	1023	0.04%	0.008%
22	3.816	578	580	586	rBV2	857	1312	0.06%	0.011%
23	3.915	595	599	602	rBV2	733	1307	0.06%	0.011%
24	4.061	622	627	629	rBV	730	1008	0.04%	0.008%
25	4.203	650	654	660	rVB2	899	1863	0.08%	0.015%
26	4.417	692	695	699	rVV	825	964	0.04%	0.008%
27	4.605	722	731	759	rVB	1284281	1980098	84.40%	16.163%
28	4.809	764	770	774	rBV2	901	1724	0.07%	0.014%
29	4.888	784	785	790	rBV2	1159	1201	0.05%	0.010%
30	4.961	790	799	807	rBV2	8939	15722	0.67%	0.128%
31	5.024	807	811	815	rVB2	788	1089	0.05%	0.009%
32	5.118	827	829	834	rVB2	935	969	0.04%	0.008%
33	5.427	883	888	894	rBV3	3572	5208	0.22%	0.043%
34	5.688	931	938	944	rBV5	4127	7381	0.31%	0.060%
35	5.777	951	955	957	rVB	1126	1000	0.04%	0.008%
36	5.845	957	968	987	rBV	1354478	1832889	78.12%	14.961%
37	6.049	1002	1007	1010	rBV2	1169	1485	0.06%	0.012%
38	6.138	1020	1024	1028	rVB2	815	1021	0.04%	0.008%
39	6.164	1028	1029	1038	rVB2	857	1765	0.08%	0.014%
40	6.232	1038	1042	1044	rBV2	1123	1183	0.05%	0.010%

LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\rosanlie\Dec 2024\12-03-24\VY9149\
Data File : Y211533.d
Acq On : 2 Dec 2024 11:17 pm
Operator : PrashanS
Sample : JE1534-3
Misc : MS87631,VY9149,4.9,,,,1
ALS Vial : 25 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\MY9125.M
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

41	6.368	1063	1068	1072	rVB3	802	1001	0.04%	0.008%
42	6.509	1092	1095	1097	rVB	1168	1071	0.05%	0.009%
43	6.713	1131	1134	1138	rVB2	934	968	0.04%	0.008%
44	6.818	1146	1154	1166	rBV	1320399	1626738	69.34%	13.279%
45	6.901	1166	1170	1176	rVB4	5693	7897	0.34%	0.064%
46	7.074	1200	1203	1207	rBV	775	1223	0.05%	0.010%
47	7.152	1215	1218	1224	rBV2	794	1331	0.06%	0.011%
48	7.278	1237	1242	1246	rBV2	717	1231	0.05%	0.010%
49	7.398	1263	1265	1271	rVB2	861	1466	0.06%	0.012%
50	7.581	1294	1300	1303	rBV4	1694	2419	0.10%	0.020%
51	7.681	1315	1319	1322	rVB2	1586	1542	0.07%	0.013%
52	7.728	1322	1328	1348	rBV	2025402	2346104	100.00%	19.151%
53	8.047	1385	1389	1391	rVV2	1838	2070	0.09%	0.017%
54	8.078	1393	1395	1399	rVV2	2491	2882	0.12%	0.024%
55	8.125	1401	1404	1410	rVB2	1849	1833	0.08%	0.015%
56	8.193	1410	1417	1420	rBV2	1424	1941	0.08%	0.016%
57	8.251	1423	1428	1432	rBV2	1122	1895	0.08%	0.015%
58	8.350	1442	1447	1452	rVV	6096	7080	0.30%	0.058%
59	8.831	1534	1539	1541	rVV2	1311	1023	0.04%	0.008%
60	8.889	1546	1550	1555	rVB2	2049	1627	0.07%	0.013%
61	8.957	1558	1563	1565	rBV2	1048	1308	0.06%	0.011%
62	9.041	1575	1579	1582	rVB2	1033	1238	0.05%	0.010%
63	9.072	1582	1585	1589	rBV2	1114	1333	0.06%	0.011%
64	9.161	1598	1602	1609	rBV2	799	1975	0.08%	0.016%
65	9.349	1634	1638	1642	rVV2	792	1067	0.05%	0.009%
66	9.464	1655	1660	1663	rVB	1427	2190	0.09%	0.018%
67	9.485	1663	1664	1669	rBV2	1122	1420	0.06%	0.012%
68	9.574	1678	1681	1688	rBV2	3865	4740	0.20%	0.039%
69	9.621	1688	1690	1695	rVB2	930	1165	0.05%	0.010%
70	9.668	1695	1699	1704	rBV	870	1389	0.06%	0.011%
71	9.867	1734	1737	1741	rVB2	1317	1410	0.06%	0.012%
72	9.993	1756	1761	1767	rBV2	1284	2444	0.10%	0.020%
73	10.155	1788	1792	1794	rBV2	1024	1157	0.05%	0.009%
74	10.301	1817	1820	1824	rVB2	850	1171	0.05%	0.010%
75	10.400	1836	1839	1841	rBV	806	972	0.04%	0.008%
76	10.484	1853	1855	1858	rVB	1128	1007	0.04%	0.008%
77	10.521	1858	1862	1867	rVB2	1647	1884	0.08%	0.015%
78	10.678	1889	1892	1896	rBV	1741	1631	0.07%	0.013%
79	10.767	1900	1909	1912	rVV3	1098	2626	0.11%	0.021%
80	10.829	1920	1921	1924	rVB2	1135	907	0.04%	0.007%
81	10.856	1924	1926	1935	rBV3	1412	3077	0.13%	0.025%
82	10.929	1935	1940	1942	rBV2	701	928	0.04%	0.008%
83	11.002	1952	1954	1960	rVB3	652	928	0.04%	0.008%
84	11.086	1969	1970	1972	rVV2	1276	878	0.04%	0.007%
85	11.122	1973	1977	1983	rVV2	1415	2375	0.10%	0.019%

LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\rosanlie\Dec 2024\12-03-24\VY9149\
Data File : Y211533.d
Acq On : 2 Dec 2024 11:17 pm
Operator : PrashanS
Sample : JE1534-3
Misc : MS87631,VY9149,4.9,,,,1
ALS Vial : 25 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\MY9125.M
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

86	11.216	1988	1995	1996	rVV3	1032	1313	0.06%	0.011%
87	11.243	1997	2000	2004	rVB2	744	1110	0.05%	0.009%
88	11.347	2016	2020	2025	rVB3	1189	1735	0.07%	0.014%
89	11.452	2038	2040	2048	rVB3	928	1548	0.07%	0.013%
90	11.577	2060	2064	2066	rBV2	779	883	0.04%	0.007%
91	11.755	2093	2098	2104	rBV3	1115	2322	0.10%	0.019%
92	11.802	2106	2107	2112	rBV2	959	1117	0.05%	0.009%
93	12.011	2144	2147	2150	rBV2	754	923	0.04%	0.008%
94	12.095	2160	2163	2166	rVB2	919	1020	0.04%	0.008%
95	12.325	2205	2207	2214	rVB3	721	1211	0.05%	0.010%
96	12.451	2228	2231	2236	rBV3	866	1333	0.06%	0.011%
97	12.618	2261	2263	2267	rBV3	898	1010	0.04%	0.008%
98	12.765	2288	2291	2295	rVB2	1217	1478	0.06%	0.012%
99	12.812	2298	2300	2305	rVB3	965	1200	0.05%	0.010%
100	12.848	2305	2307	2312	rVB	1249	1321	0.06%	0.011%

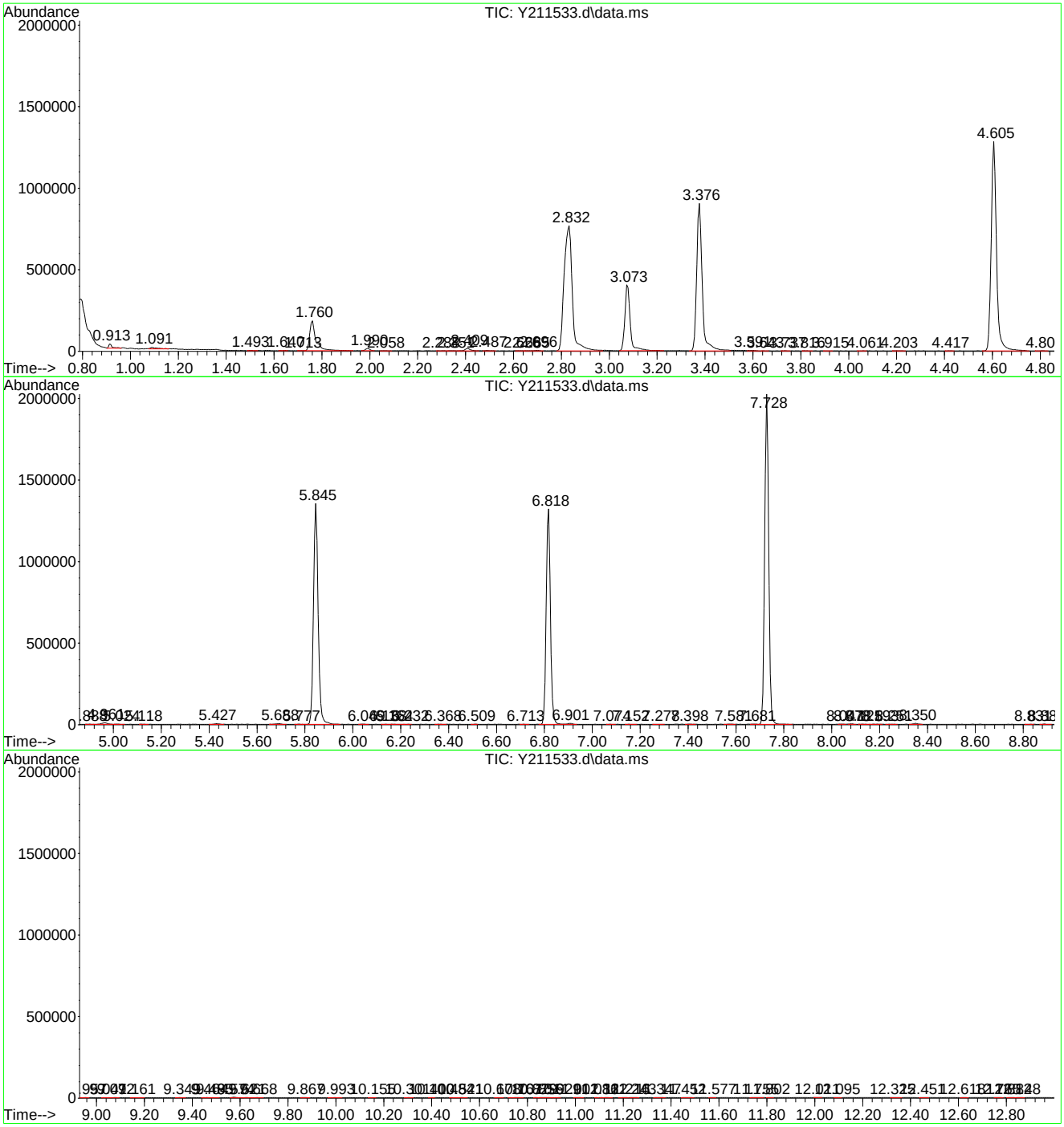
Sum of corrected areas: 12250734

LSC Report - Integrated Chromatogram

Data Path : X:\Dayton VOA GCMS\rosanlie\Dec 2024\12-03-24\VY9149\
Data File : Y211533.d
Acq On : 2 Dec 2024 11:17 pm
Operator : PrashanS
Sample : JE1534-3
Misc : MS87631,VY9149,4.9,,,,1
ALS Vial : 25 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\MY9125.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p



Tentatively Identified Compound (LSC) summary

Data Path : X:\Dayton VOA GCMS\rosanlie\Dec 2024\12-03-24\VY9149\
Data File : Y211533.d
Acq On : 2 Dec 2024 11:17 pm
Operator : PrashanS
Sample : JE1534-3
Misc : MS87631,VY9149,4.9,,,,1
ALS Vial : 25 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\MY9125.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

						--Internal Standard---		
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

No Library Search Compounds Detected
****

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Dec 2024\12-03-24\VY9149\
Data File : Y211534.d
Acq On : 2 Dec 2024 11:38 pm
Operator : PrashanS
Sample : JE1534-4 Inst : GCMSY
Misc : MS87631,VY9149,4.8,,,,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 03 07:18:23 2024
Quant Method : C:\msdchem\1\methods\MY9125.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
QLast Update : Mon Nov 04 11:44:01 2024
Response via : Initial Calibration

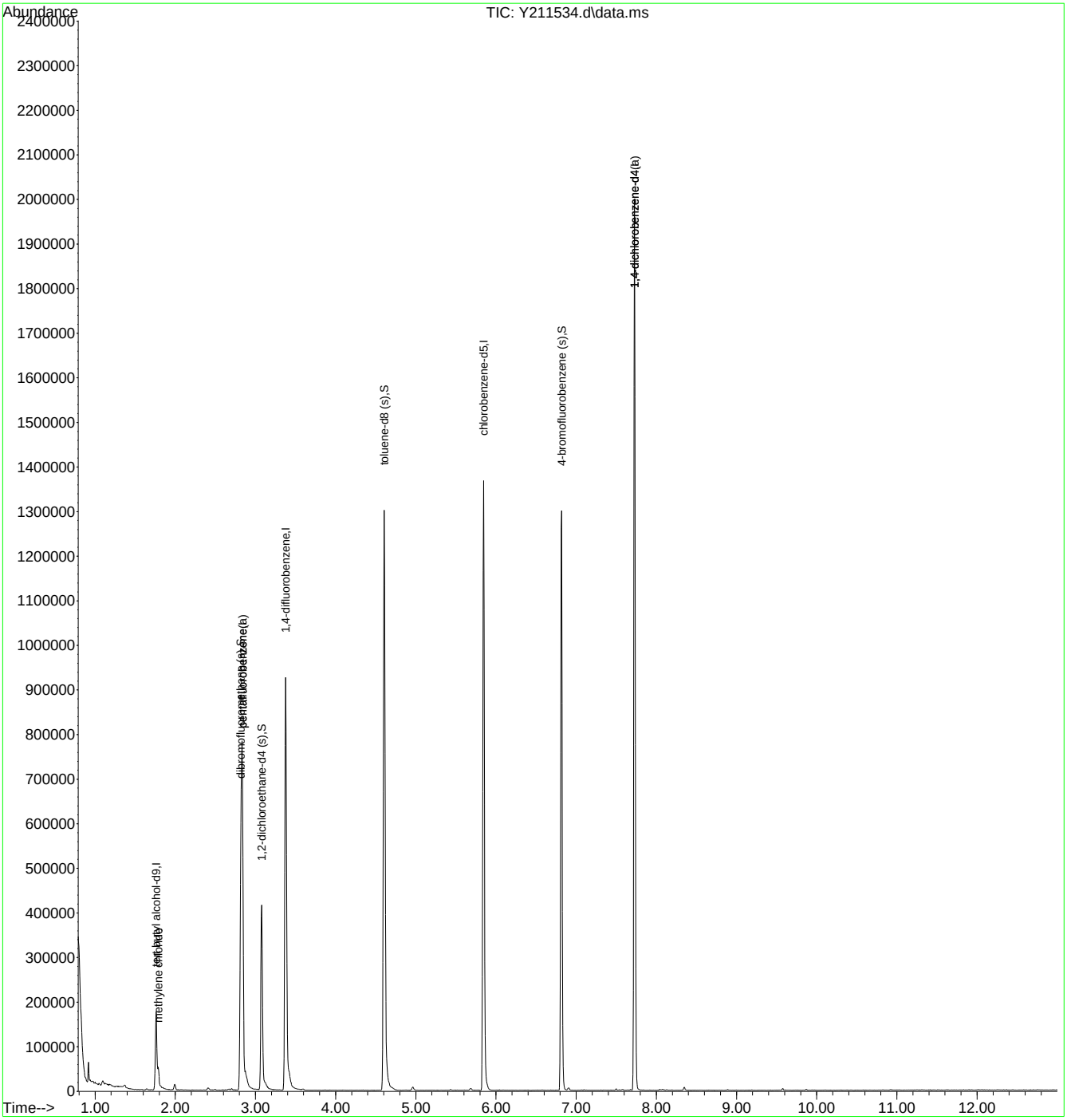
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	1.760	65	138471	500.00	ug/L	0.00
5) pentafluorobenzene	2.838	168	412516	50.00	ug/L	0.00
50) 1,4-difluorobenzene	3.376	114	638465	50.00	ug/L	0.00
72) chlorobenzene-d5	5.845	117	590123	50.00	ug/L	0.00
95) 1,4-dichlorobenzene-d4	7.728	152	382305	50.00	ug/L	0.00
123) pentafluorobenzene(a)	2.838	168	412516	50.00	ug/L	0.00
126) 1,4-dichlorobenzene-d4(a)	7.728	152	382305	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	2.817	113	214038	49.01	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 98.02%			
51) 1,2-dichloroethane-d4 (s)	3.078	65	230340	48.11	ug/L	0.00
Spiked Amount 50.000	Range 75 - 133		Recovery = 96.22%			
73) toluene-d8 (s)	4.605	98	730869	46.93	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 93.86%			
96) 4-bromofluorobenzene (s)	6.818	95	305518	46.38	ug/L	0.00
Spiked Amount 50.000	Range 58 - 148		Recovery = 92.76%			
Target Compounds						Qvalue
22) methylene chloride	1.786	84	11254	2.4108	ug/L	87

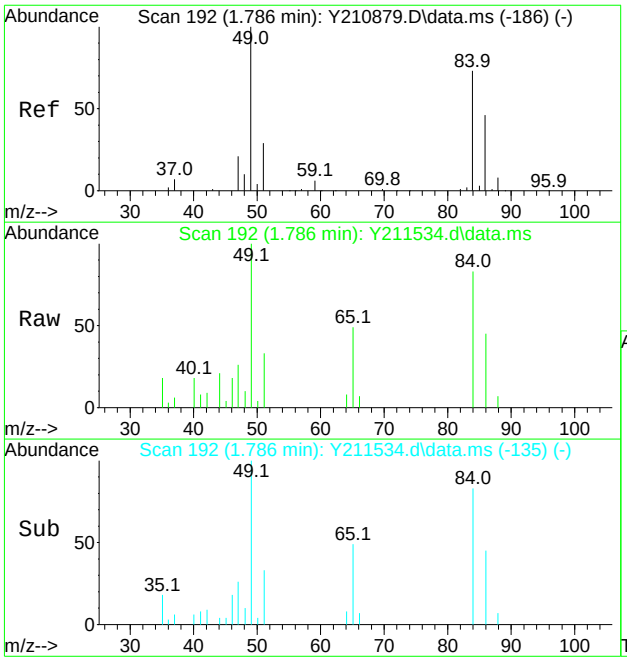
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Dec 2024\12-03-24\VY9149\
Data File : Y211534.d
Acq On : 2 Dec 2024 11:38 pm
Operator : PrashanS
Sample : JE1534-4 Inst : GCMSY
Misc : MS87631,VY9149,4.8,,,,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 03 07:18:23 2024
Quant Method : C:\msdchem\1\methods\MY9125.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
QLast Update : Mon Nov 04 11:44:01 2024
Response via : Initial Calibration

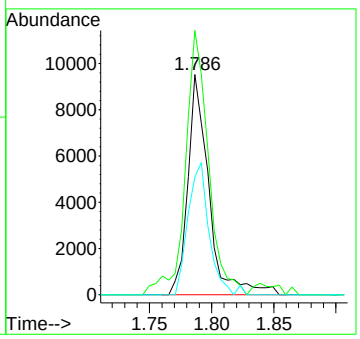




#22
methylene chloride
Concen: 2.4108 ug/L
RT: 1.786 min Scan# 192
Delta R.T. 0.000 min
Lab File: Y211534.d
Acq: 2 Dec 2024 11:38 pm

Tgt Ion: 84 Resp: 11254

Ion	Ratio	Lower	Upper
84	100		
49	120.0	106.8	166.8
86	53.4	32.7	92.7



LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\rosanlie\Dec 2024\12-03-24\VY9149\
Data File : Y211534.d
Acq On : 2 Dec 2024 11:38 pm
Operator : PrashanS
Sample : JE1534-4
Misc : MS87631,VY9149,4.8,,,,1
ALS Vial : 26 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\MY9125.M
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

Signal : TIC: Y211534.d\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	0.918	23	26	33	rBV	44671	37450	1.62%	0.304%
2	1.096	55	60	64	rBV4	10619	15915	0.69%	0.129%
3	1.499	136	137	142	rVB3	1524	1891	0.08%	0.015%
4	1.530	142	143	147	rBV2	1347	1237	0.05%	0.010%
5	1.640	159	164	173	rVB2	3109	5296	0.23%	0.043%
6	1.692	173	174	180	rBV2	1075	1497	0.06%	0.012%
7	1.760	180	187	214	rBV2	176070	327724	14.18%	2.662%
8	1.990	225	231	238	rVB3	13043	18411	0.80%	0.150%
9	2.163	263	264	268	rVB2	1085	1147	0.05%	0.009%
10	2.257	280	282	288	rVB2	963	1194	0.05%	0.010%
11	2.356	298	301	304	rBV2	990	1100	0.05%	0.009%
12	2.409	306	311	318	rVV3	5274	9058	0.39%	0.074%
13	2.461	318	321	323	rVV2	1441	1234	0.05%	0.010%
14	2.503	323	329	333	rVB3	1775	2754	0.12%	0.022%
15	2.592	340	346	351	rBV2	1189	1485	0.06%	0.012%
16	2.670	355	361	364	rVV3	2399	3888	0.17%	0.032%
17	2.702	364	367	371	rVB2	3334	3618	0.16%	0.029%
18	2.832	381	392	427	rBV2	783032	1831049	79.22%	14.873%
19	3.078	432	439	467	rVB	414782	642675	27.81%	5.220%
20	3.298	479	481	488	rVB2	1450	1967	0.09%	0.016%
21	3.376	488	496	531	rBV	925871	1472641	63.71%	11.962%
22	3.596	534	538	544	rVV3	3456	5480	0.24%	0.045%
23	3.863	583	589	594	rVB2	1045	1613	0.07%	0.013%
24	3.926	598	601	605	rBV2	1287	1106	0.05%	0.009%
25	4.605	723	731	763	rVB	1301058	2003730	86.69%	16.276%
26	4.862	773	780	782	rBV	601	953	0.04%	0.008%
27	4.961	793	799	807	rBV2	7918	14008	0.61%	0.114%
28	5.212	843	847	853	rBV2	981	1734	0.08%	0.014%
29	5.322	863	868	871	rBV2	796	949	0.04%	0.008%
30	5.432	886	889	896	rVB3	1970	2361	0.10%	0.019%
31	5.610	916	923	925	rVV2	883	1227	0.05%	0.010%
32	5.683	931	937	945	rVB3	4912	8619	0.37%	0.070%
33	5.845	960	968	988	rBV	1367721	1827265	79.06%	14.843%
34	6.012	993	1000	1003	rVB2	1021	1694	0.07%	0.014%
35	6.044	1003	1006	1009	rBV2	1668	1400	0.06%	0.011%
36	6.399	1072	1074	1081	rVB	1509	1446	0.06%	0.012%
37	6.494	1090	1092	1096	rVV2	874	1060	0.05%	0.009%
38	6.583	1105	1109	1114	rVB2	1021	1704	0.07%	0.014%
39	6.682	1124	1128	1133	rBV	877	1118	0.05%	0.009%
40	6.818	1146	1154	1166	rBV	1300139	1622859	70.21%	13.182%

LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\rosanlie\Dec 2024\12-03-24\VY9149\
Data File : Y211534.d
Acq On : 2 Dec 2024 11:38 pm
Operator : PrashanS
Sample : JE1534-4
Misc : MS87631,VY9149,4.8,,,,1
ALS Vial : 26 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\MY9125.M
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

41	6.907	1166	1171	1178	rVV6	5749	9187	0.40%	0.075%
42	7.074	1199	1203	1205	rVB2	1090	1090	0.05%	0.009%
43	7.095	1205	1207	1211	rVV2	1438	1503	0.07%	0.012%
44	7.126	1211	1213	1217	rVV2	962	893	0.04%	0.007%
45	7.304	1245	1247	1251	rVB2	1823	1823	0.08%	0.015%
46	7.341	1251	1254	1264	rBV2	1721	4457	0.19%	0.036%
47	7.466	1274	1278	1281	rVB2	845	905	0.04%	0.007%
48	7.498	1281	1284	1289	rBV3	4012	4057	0.18%	0.033%
49	7.540	1289	1292	1295	rVV2	1621	1375	0.06%	0.011%
50	7.576	1295	1299	1303	rVB3	2258	3238	0.14%	0.026%
51	7.676	1315	1318	1322	rVB2	1985	2035	0.09%	0.017%
52	7.728	1322	1328	1347	rVB	1999068	2311316	100.00%	18.775%
53	7.843	1347	1350	1353	rVB2	1132	1069	0.05%	0.009%
54	7.885	1353	1358	1360	rBV	783	943	0.04%	0.008%
55	7.916	1362	1364	1370	rBV2	1082	1151	0.05%	0.009%
56	8.042	1386	1388	1391	rVV2	2489	2763	0.12%	0.022%
57	8.078	1393	1395	1398	rVV3	2912	2673	0.12%	0.022%
58	8.131	1401	1405	1409	rVV3	1463	2100	0.09%	0.017%
59	8.199	1413	1418	1421	rVB2	924	1570	0.07%	0.013%
60	8.345	1441	1446	1454	rBV	7321	10122	0.44%	0.082%
61	8.455	1462	1467	1470	rBV2	1130	2193	0.09%	0.018%
62	8.889	1540	1550	1555	rBV3	2137	3422	0.15%	0.028%
63	8.999	1568	1571	1574	rVB2	1024	933	0.04%	0.008%
64	9.187	1604	1607	1614	rBV2	1326	1687	0.07%	0.014%
65	9.287	1619	1626	1631	rVB2	959	1822	0.08%	0.015%
66	9.344	1633	1637	1641	rVB2	660	1062	0.05%	0.009%
67	9.407	1641	1649	1651	rBV2	780	1451	0.06%	0.012%
68	9.470	1659	1661	1665	rVV2	674	920	0.04%	0.007%
69	9.532	1669	1673	1676	rVV	1341	1553	0.07%	0.013%
70	9.579	1678	1682	1688	rVV2	4248	5763	0.25%	0.047%
71	9.642	1692	1694	1699	rVB2	826	1246	0.05%	0.010%
72	9.867	1734	1737	1743	rVB3	2635	2870	0.12%	0.023%
73	9.946	1749	1752	1753	rVB2	1278	953	0.04%	0.008%
74	10.170	1792	1795	1800	rVB	1187	978	0.04%	0.008%
75	10.218	1800	1804	1806	rVB2	1094	1255	0.05%	0.010%
76	10.244	1806	1809	1812	rBV	846	1127	0.05%	0.009%
77	10.427	1841	1844	1851	rVB2	1021	1527	0.07%	0.012%
78	10.589	1870	1875	1878	rVV2	933	966	0.04%	0.008%
79	10.662	1887	1889	1897	rVB3	816	1480	0.06%	0.012%
80	10.819	1917	1919	1925	rVB3	948	1243	0.05%	0.010%
81	10.913	1935	1937	1940	rBV2	1428	1465	0.06%	0.012%
82	10.971	1947	1948	1952	rVB2	1271	1075	0.05%	0.009%
83	11.086	1969	1970	1975	rBV2	784	1037	0.04%	0.008%
84	11.305	2009	2012	2014	rBV2	1476	1653	0.07%	0.013%
85	11.509	2049	2051	2054	rBV3	1236	1192	0.05%	0.010%

LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\rosanlie\Dec 2024\12-03-24\VY9149\
Data File : Y211534.d
Acq On : 2 Dec 2024 11:38 pm
Operator : PrashanS
Sample : JE1534-4
Misc : MS87631,VY9149,4.8,,,,1
ALS Vial : 26 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\MY9125.M
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

86	11.630	2070	2074	2080	rVB3	1365	2198	0.10%	0.018%
87	11.682	2080	2084	2086	rBV3	821	988	0.04%	0.008%
88	11.896	2123	2125	2127	rBV2	1310	917	0.04%	0.007%
89	12.027	2146	2150	2152	rVB2	980	1060	0.05%	0.009%
90	12.121	2165	2168	2172	rVB3	1235	1925	0.08%	0.016%
91	12.153	2172	2174	2179	rBV2	1589	1982	0.09%	0.016%
92	12.257	2189	2194	2200	rBV3	1126	2214	0.10%	0.018%
93	12.331	2205	2208	2211	rBV2	1266	1515	0.07%	0.012%
94	12.362	2211	2214	2218	rBV2	1257	1550	0.07%	0.013%
95	12.451	2227	2231	2234	rVV2	802	1029	0.04%	0.008%
96	12.582	2253	2256	2258	rVB	1268	1088	0.05%	0.009%
97	12.613	2259	2262	2265	rVB2	804	930	0.04%	0.008%
98	12.665	2270	2272	2276	rBV2	1246	1172	0.05%	0.010%
99	12.702	2278	2279	2285	rVB3	1088	1131	0.05%	0.009%
100	12.754	2285	2289	2296	rBV3	1089	2421	0.10%	0.020%

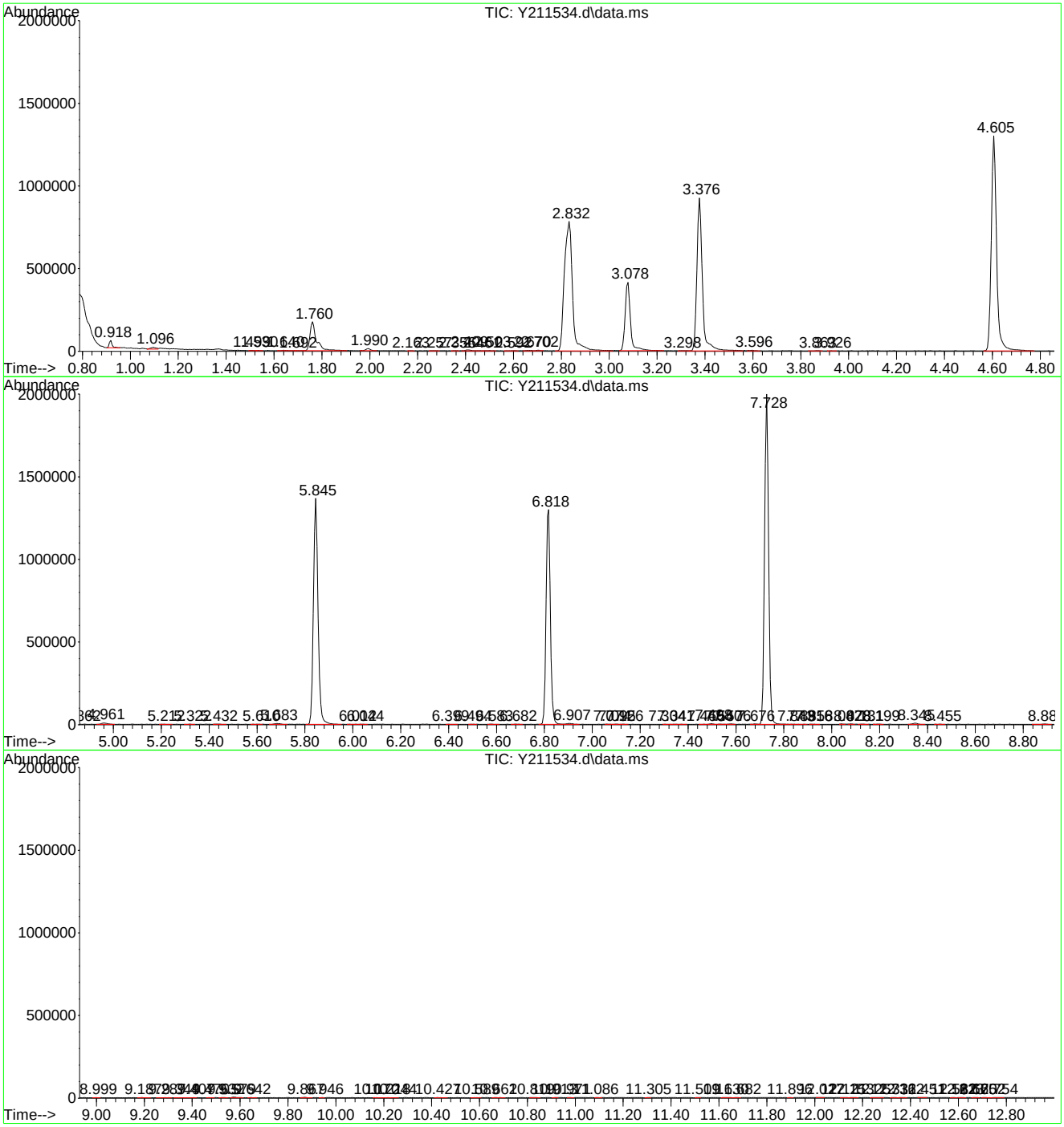
Sum of corrected areas: 12310820

LSC Report - Integrated Chromatogram

Data Path : X:\Dayton VOA GCMS\rosanlie\Dec 2024\12-03-24\VY9149\
Data File : Y211534.d
Acq On : 2 Dec 2024 11:38 pm
Operator : PrashanS
Sample : JE1534-4
Misc : MS87631,VY9149,4.8,,,,1
ALS Vial : 26 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\MY9125.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p



Tentatively Identified Compound (LSC) summary

Data Path : X:\Dayton VOA GCMS\rosanlie\Dec 2024\12-03-24\VY9149\
Data File : Y211534.d
Acq On : 2 Dec 2024 11:38 pm
Operator : PrashanS
Sample : JE1534-4
Misc : MS87631,VY9149,4.8,,,,1
ALS Vial : 26 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\MY9125.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

No Library Search Compounds Detected
****

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Dec 2024\12-03-24\VY9149\
Data File : Y211535.d
Acq On : 3 Dec 2024 12:00 am
Operator : PrashanS
Sample : JE1534-5 Inst : GCMSY
Misc : MS87631,VY9149,5.4,,,,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 03 07:19:23 2024
Quant Method : C:\msdchem\1\methods\MY9125.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
QLast Update : Mon Nov 04 11:44:01 2024
Response via : Initial Calibration

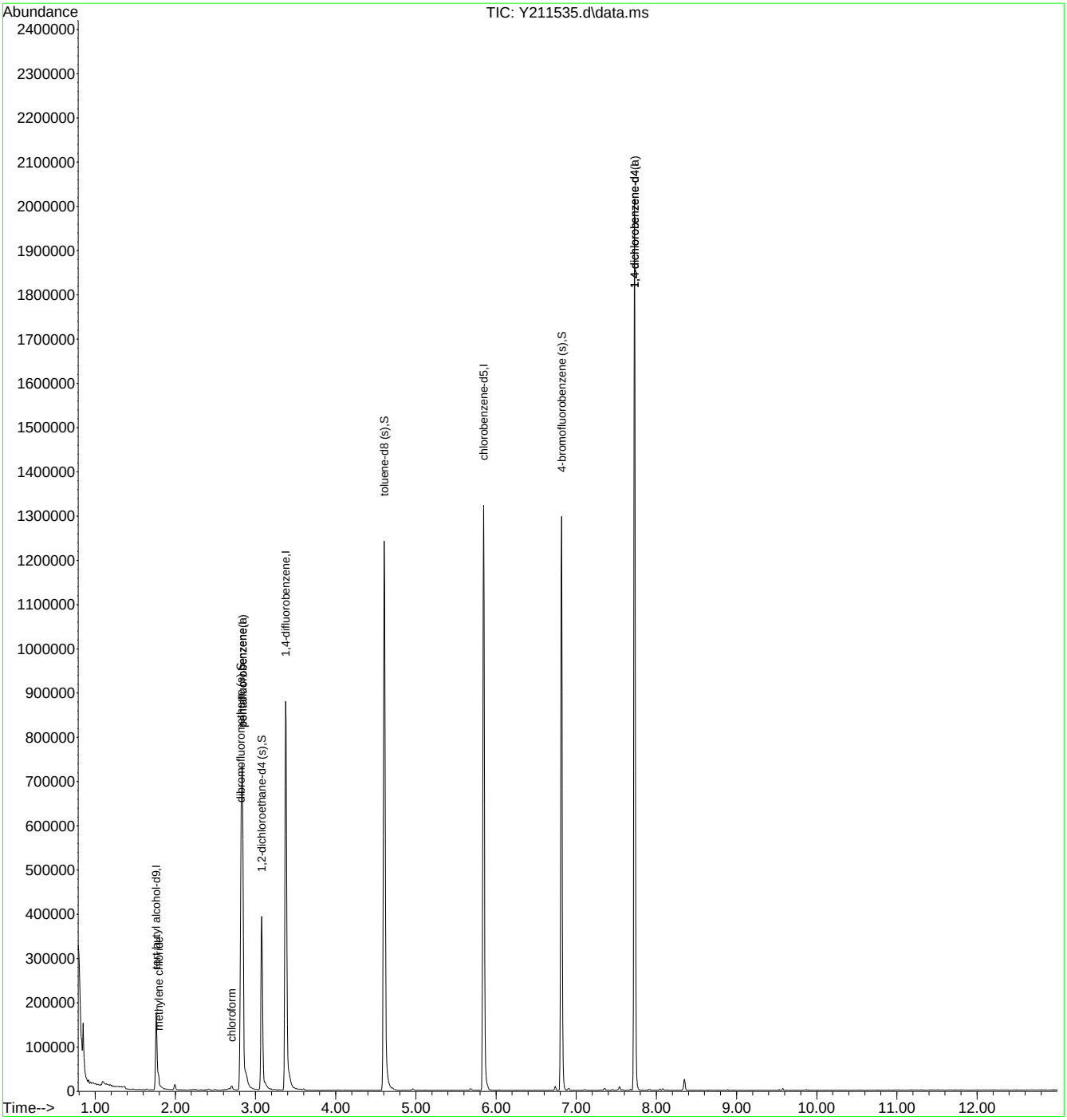
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	1.760	65	134846	500.00	ug/L	0.00
5) pentafluorobenzene	2.837	168	391548	50.00	ug/L	0.00
50) 1,4-difluorobenzene	3.376	114	612849	50.00	ug/L	0.00
72) chlorobenzene-d5	5.845	117	571526	50.00	ug/L	0.00
95) 1,4-dichlorobenzene-d4	7.728	152	382345	50.00	ug/L	0.00
123) pentafluorobenzene(a)	2.837	168	391548	50.00	ug/L	0.00
126) 1,4-dichlorobenzene-d4(a)	7.728	152	382345	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	2.816	113	207363	50.03	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 100.06%			
51) 1,2-dichloroethane-d4 (s)	3.078	65	218219	47.49	ug/L	0.00
Spiked Amount 50.000	Range 75 - 133		Recovery = 94.98%			
73) toluene-d8 (s)	4.605	98	705055	46.74	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 93.48%			
96) 4-bromofluorobenzene (s)	6.818	95	298700	45.34	ug/L	0.00
Spiked Amount 50.000	Range 58 - 148		Recovery = 90.68%			
Target Compounds						Qvalue
22) methylene chloride	1.791	84	6438	1.4530	ug/L	87
40) chloroform	2.701	83	4939	0.6626	ug/L	89

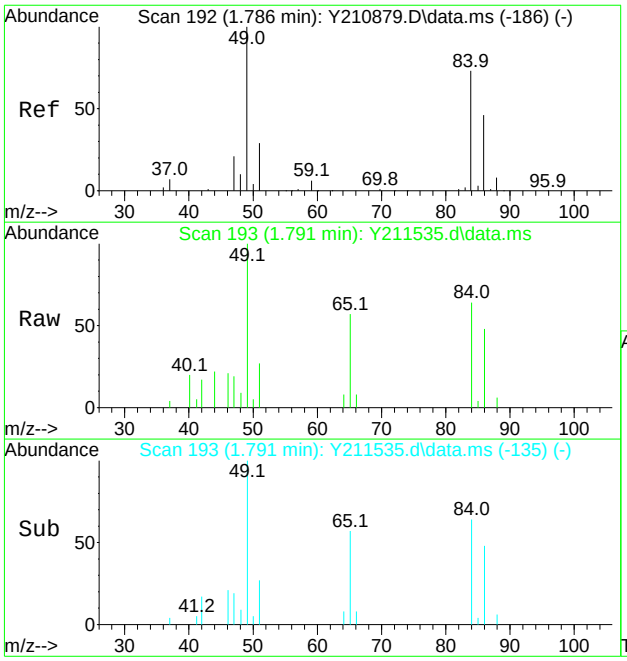
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Dec 2024\12-03-24\VY9149\
Data File : Y211535.d
Acq On : 3 Dec 2024 12:00 am
Operator : PrashanS
Sample : JE1534-5 Inst : GCMSY
Misc : MS87631,VY9149,5.4,,,,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 03 07:19:23 2024
Quant Method : C:\msdchem\1\methods\MY9125.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
QLast Update : Mon Nov 04 11:44:01 2024
Response via : Initial Calibration

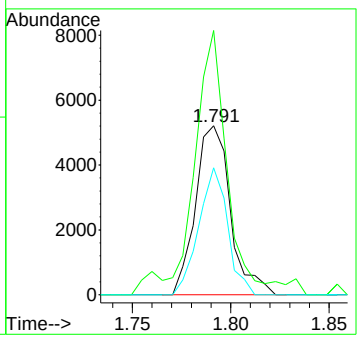


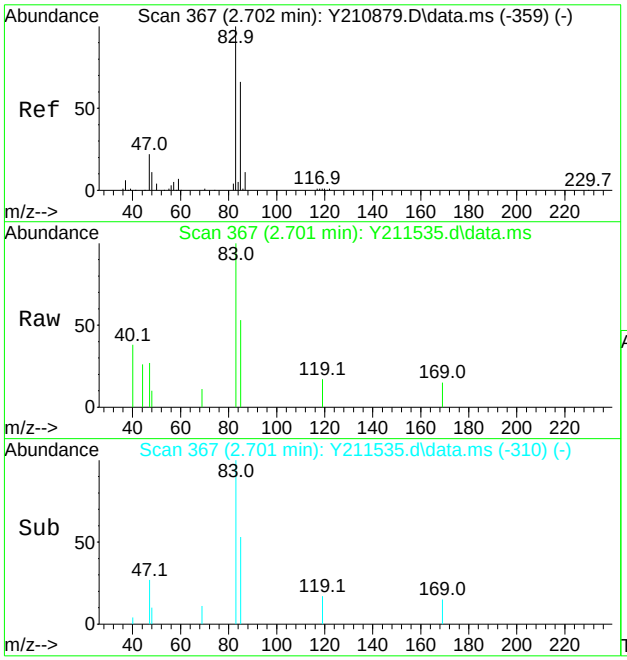


#22
methylene chloride
Concen: 1.4530 ug/L
RT: 1.791 min Scan# 193
Delta R.T. 0.005 min
Lab File: Y211535.d
Acq: 3 Dec 2024 12:00 am

Tgt Ion: 84 Resp: 6438

Ion	Ratio	Lower	Upper
84	100		
49	150.5	106.8	166.8
86	75.1	32.7	92.7

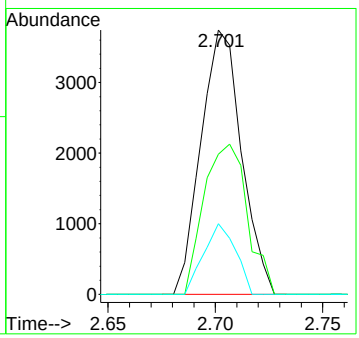




#40
chloroform
Concen: 0.6626 ug/L
RT: 2.701 min Scan# 367
Delta R.T. -0.001 min
Lab File: Y211535.d
Acq: 3 Dec 2024 12:00 am

Tgt Ion: 83 Resp: 4939

Ion	Ratio	Lower	Upper
83	100		
85	53.0	35.6	95.6
47	26.8	0.0	56.8



LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\rosanlie\Dec 2024\12-03-24\VY9149\
Data File : Y211535.d
Acq On : 3 Dec 2024 12:00 am
Operator : PrashanS
Sample : JE1534-5
Misc : MS87631,VY9149,5.4,,,,1
ALS Vial : 27 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\MY9125.M
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

Signal : TIC: Y211535.d\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	0.850	11	13	24	rVB	133036	155591	6.68%	1.282%
2	1.096	57	60	76	rVB2	9196	23650	1.02%	0.195%
3	1.645	162	165	170	rVB3	2079	2855	0.12%	0.024%
4	1.760	181	187	206	rBV	172701	295355	12.69%	2.434%
5	1.995	227	232	241	rVB3	12395	17866	0.77%	0.147%
6	2.178	261	267	268	rBV2	993	955	0.04%	0.008%
7	2.320	292	294	297	rVB2	1268	953	0.04%	0.008%
8	2.367	300	303	304	rBV	1703	937	0.04%	0.008%
9	2.409	309	311	319	rVB3	2841	4880	0.21%	0.040%
10	2.497	323	328	333	rBV2	1957	2862	0.12%	0.024%
11	2.623	339	352	353	rBV4	1950	4731	0.20%	0.039%
12	2.665	356	360	363	rVV3	3589	5880	0.25%	0.048%
13	2.707	363	368	379	rVB3	9780	16814	0.72%	0.139%
14	2.832	381	392	431	rBV2	739187	1767817	75.94%	14.569%
15	3.078	431	439	461	rBV	391959	602628	25.89%	4.966%
16	3.376	488	496	528	rBV	878955	1408342	60.50%	11.606%
17	3.601	535	539	544	rVB3	3432	5108	0.22%	0.042%
18	3.664	548	551	556	rBV	858	918	0.04%	0.008%
19	3.732	560	564	566	rBV	731	832	0.04%	0.007%
20	4.025	615	620	621	rBV	1152	1006	0.04%	0.008%
21	4.166	646	647	651	rBV2	791	899	0.04%	0.007%
22	4.396	688	691	695	rBV2	1086	1003	0.04%	0.008%
23	4.443	698	700	705	rVB2	889	1137	0.05%	0.009%
24	4.501	705	711	716	rBV2	966	1866	0.08%	0.015%
25	4.605	722	731	749	rBV	1241518	1914169	82.23%	15.775%
26	4.872	778	782	784	rBV	941	824	0.04%	0.007%
27	4.903	786	788	795	rVV2	956	1406	0.06%	0.012%
28	4.961	795	799	808	rVV2	3720	6155	0.26%	0.051%
29	5.374	876	878	883	rVB2	652	848	0.04%	0.007%
30	5.683	933	937	945	rVB4	3791	6361	0.27%	0.052%
31	5.845	960	968	993	rVB	1323156	1778715	76.41%	14.659%
32	6.038	1000	1005	1007	rBV2	1444	1425	0.06%	0.012%
33	6.336	1058	1062	1064	rVB	943	875	0.04%	0.007%
34	6.514	1093	1096	1100	rBV2	640	864	0.04%	0.007%
35	6.739	1133	1139	1144	rVB2	9992	12689	0.55%	0.105%
36	6.818	1144	1154	1167	rBV	1297460	1592670	68.42%	13.125%
37	6.907	1167	1171	1180	rVB4	4836	7782	0.33%	0.064%
38	6.964	1180	1182	1185	rBV	722	862	0.04%	0.007%
39	7.037	1191	1196	1201	rVB2	964	1564	0.07%	0.013%
40	7.105	1204	1209	1214	rVB4	2235	3455	0.15%	0.028%

LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\rosanlie\Dec 2024\12-03-24\VY9149\
Data File : Y211535.d
Acq On : 3 Dec 2024 12:00 am
Operator : PrashanS
Sample : JE1534-5
Misc : MS87631,VY9149,5.4,,,,1
ALS Vial : 27 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\MY9125.M
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

41	7.215	1229	1230	1239	rVB	1049	1809	0.08%	0.015%
42	7.304	1239	1247	1249	rBV3	1599	2918	0.13%	0.024%
43	7.325	1249	1251	1253	rVV2	1282	1128	0.05%	0.009%
44	7.356	1253	1257	1263	rVV2	4971	6835	0.29%	0.056%
45	7.393	1263	1264	1269	rVV2	1212	1119	0.05%	0.009%
46	7.450	1272	1275	1281	rVV2	2160	2592	0.11%	0.021%
47	7.539	1284	1292	1296	rBV2	8711	11942	0.51%	0.098%
48	7.576	1298	1299	1307	rVB2	1743	2061	0.09%	0.017%
49	7.675	1315	1318	1322	rVV3	3130	3557	0.15%	0.029%
50	7.728	1322	1328	1342	rVV	2014770	2327859	100.00%	19.184%
51	7.806	1342	1343	1346	rVV3	1065	893	0.04%	0.007%
52	7.858	1349	1353	1355	rBV2	1199	1570	0.07%	0.013%
53	7.911	1359	1363	1367	rBV4	2898	4606	0.20%	0.038%
54	7.984	1374	1377	1383	rBV2	932	1623	0.07%	0.013%
55	8.041	1383	1388	1391	rVV2	3345	3542	0.15%	0.029%
56	8.078	1392	1395	1401	rVV3	3648	4615	0.20%	0.038%
57	8.136	1401	1406	1409	rVB	996	1349	0.06%	0.011%
58	8.198	1417	1418	1422	rVB	1034	851	0.04%	0.007%
59	8.261	1427	1430	1433	rVB2	942	928	0.04%	0.008%
60	8.293	1433	1436	1438	rBV2	827	973	0.04%	0.008%
61	8.350	1441	1447	1454	rVB	25429	36510	1.57%	0.301%
62	8.413	1454	1459	1460	rBV2	779	845	0.04%	0.007%
63	8.476	1465	1471	1475	rBV2	1227	1978	0.08%	0.016%
64	8.633	1493	1501	1503	rBV	1724	3075	0.13%	0.025%
65	8.674	1507	1509	1512	rVV2	1592	1517	0.07%	0.013%
66	8.732	1516	1520	1523	rVV2	1132	1517	0.07%	0.013%
67	8.842	1539	1541	1545	rVV2	1258	1336	0.06%	0.011%
68	8.884	1545	1549	1553	rVV2	1858	2263	0.10%	0.019%
69	8.967	1561	1565	1569	rBV2	1108	1391	0.06%	0.011%
70	9.171	1603	1604	1608	rBV2	1080	1048	0.05%	0.009%
71	9.255	1615	1620	1623	rBV2	705	1257	0.05%	0.010%
72	9.396	1642	1647	1650	rVB2	862	1458	0.06%	0.012%
73	9.532	1667	1673	1677	rBV3	2273	2521	0.11%	0.021%
74	9.574	1677	1681	1687	rVB2	4058	4702	0.20%	0.039%
75	9.762	1714	1717	1719	rBV	1077	1087	0.05%	0.009%
76	9.872	1732	1738	1740	rVB4	1982	2254	0.10%	0.019%
77	9.935	1745	1750	1754	rVB	1121	1251	0.05%	0.010%
78	10.118	1780	1785	1788	rBV2	705	863	0.04%	0.007%
79	10.207	1800	1802	1805	rBV	755	853	0.04%	0.007%
80	10.249	1807	1810	1814	rVB2	895	1023	0.04%	0.008%
81	10.290	1814	1818	1820	rVB	1283	1055	0.05%	0.009%
82	10.468	1848	1852	1855	rVB2	1085	1147	0.05%	0.009%
83	10.547	1866	1867	1873	rBV2	1149	940	0.04%	0.008%
84	10.850	1923	1925	1929	rVV2	896	1102	0.05%	0.009%
85	10.897	1932	1934	1939	rVV2	1315	1302	0.06%	0.011%

LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\rosanlie\Dec 2024\12-03-24\VY9149\
Data File : Y211535.d
Acq On : 3 Dec 2024 12:00 am
Operator : PrashanS
Sample : JE1534-5
Misc : MS87631,VY9149,5.4,,,,1
ALS Vial : 27 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\MY9125.M
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

86	10.939	1939	1942	1946	rVB2	1205	1476	0.06%	0.012%
87	10.981	1946	1950	1952	rBV3	1340	1893	0.08%	0.016%
88	11.028	1953	1959	1965	rVB3	1118	2707	0.12%	0.022%
89	11.300	2008	2011	2015	rVB2	1477	1579	0.07%	0.013%
90	11.415	2032	2033	2037	rBV2	1076	937	0.04%	0.008%
91	11.452	2037	2040	2046	rVB3	1334	2082	0.09%	0.017%
92	11.509	2046	2051	2054	rBV2	1294	2325	0.10%	0.019%
93	11.833	2111	2113	2118	rVB3	982	1067	0.05%	0.009%
94	11.865	2118	2119	2124	rBV3	1000	999	0.04%	0.008%
95	11.907	2126	2127	2132	rBV3	806	951	0.04%	0.008%
96	12.011	2146	2147	2150	rBV2	1202	1099	0.05%	0.009%
97	12.116	2165	2167	2170	rVB2	1147	979	0.04%	0.008%
98	12.215	2185	2186	2191	rBV2	997	1011	0.04%	0.008%
99	12.681	2273	2275	2282	rBV3	1011	1519	0.07%	0.013%
100	12.911	2315	2319	2320	rVB2	842	930	0.04%	0.008%

Sum of corrected areas: 12134168

LSC Report - Integrated Chromatogram

```
Data Path : X:\Dayton VOA GCMS\rosanlie\Dec 2024\12-03-24\VY9149\
Data File : Y211535.d
Acq On    :  3 Dec 2024  12:00 am
Operator  : PrashanS
Sample    : JE1534-5
Misc      : MS87631,VY9149,5.4,,,,1
ALS Vial  : 27   Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\MY9125.M
Quant Title  : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

TIC Library   : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p
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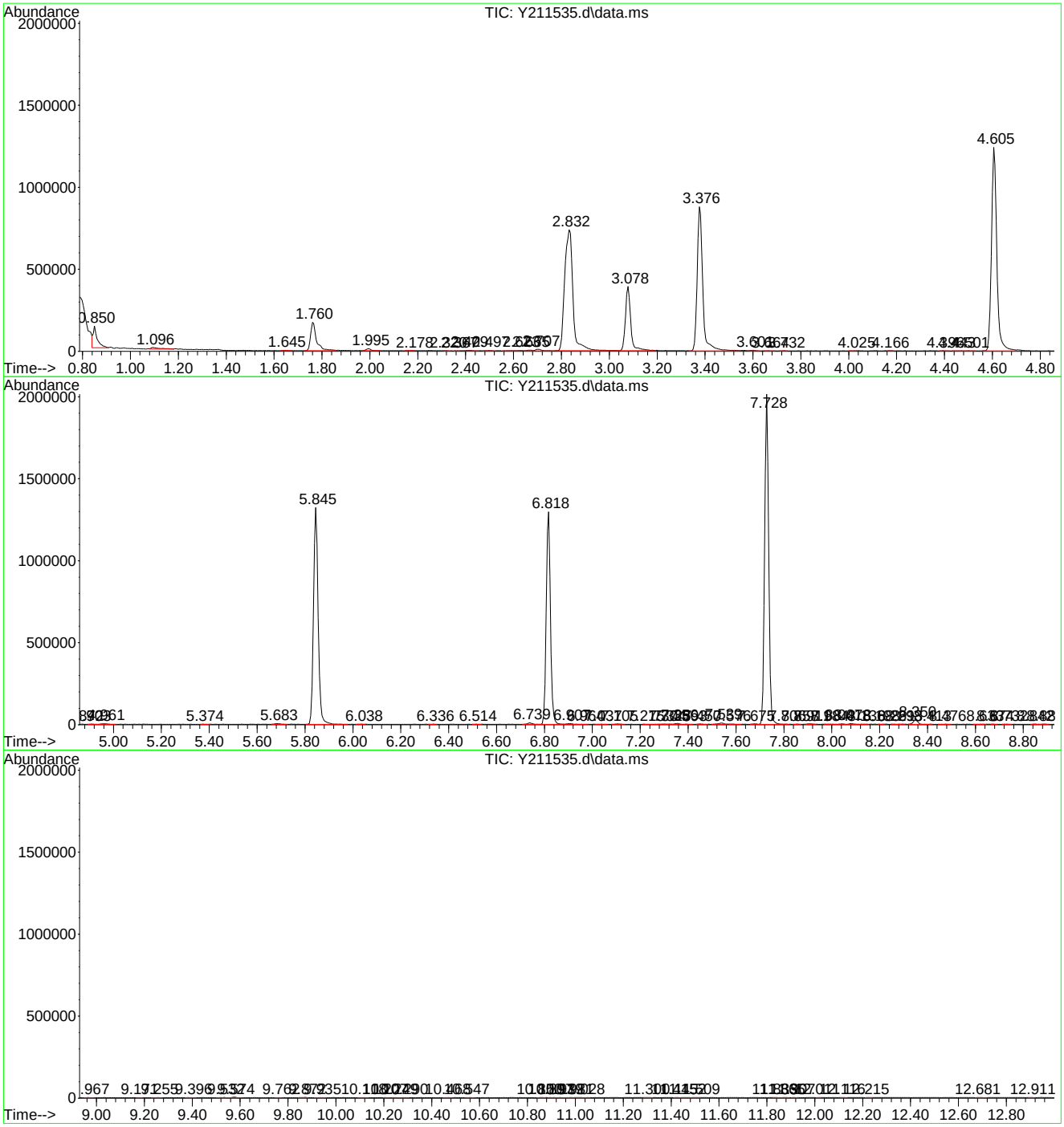


Tentatively Identified Compound (LSC) summary

Data Path : X:\Dayton VOA GCMS\rosanlie\Dec 2024\12-03-24\VY9149\
Data File : Y211535.d
Acq On : 3 Dec 2024 12:00 am
Operator : PrashanS
Sample : JE1534-5
Misc : MS87631,VY9149,5.4,,,,1
ALS Vial : 27 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\MY9125.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

No Library Search Compounds Detected
****

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Dec 2024\12-03-24\VY9149\
Data File : Y211536.d
Acq On : 3 Dec 2024 12:22 am
Operator : PrashanS
Sample : JE1534-6 Inst : GCMSY
Misc : MS87631,VY9149,4.5,,,,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 03 07:20:22 2024
Quant Method : C:\msdchem\1\methods\MY9125.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
QLast Update : Mon Nov 04 11:44:01 2024
Response via : Initial Calibration

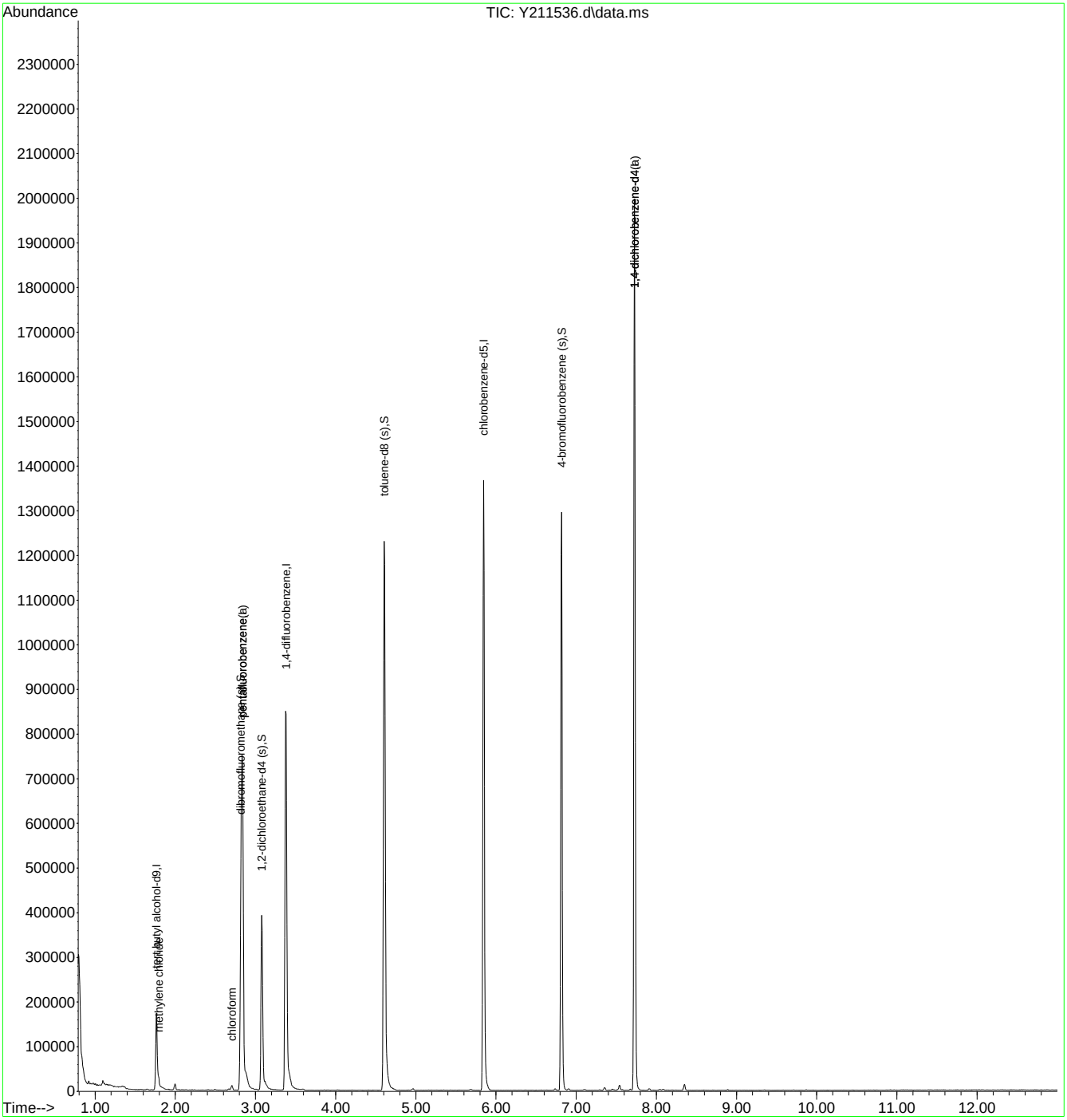
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	1.765	65	138508	500.00	ug/L	0.00
5) pentafluorobenzene	2.837	168	397899	50.00	ug/L	0.00
50) 1,4-difluorobenzene	3.381	114	613512	50.00	ug/L	0.00
72) chlorobenzene-d5	5.845	117	582956	50.00	ug/L	0.00
95) 1,4-dichlorobenzene-d4	7.728	152	384621	50.00	ug/L	0.00
123) pentafluorobenzene(a)	2.837	168	397899	50.00	ug/L	0.00
126) 1,4-dichlorobenzene-d4(a)	7.728	152	384621	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	2.817	113	209343	49.70	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 99.40%			
51) 1,2-dichloroethane-d4 (s)	3.078	65	217856	47.36	ug/L	0.00
Spiked Amount 50.000	Range 75 - 133		Recovery = 94.72%			
73) toluene-d8 (s)	4.605	98	711891	46.27	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 92.54%			
96) 4-bromofluorobenzene (s)	6.818	95	301681	45.52	ug/L	0.00
Spiked Amount 50.000	Range 58 - 148		Recovery = 91.04%			
Target Compounds						Qvalue
22) methylene chloride	1.791	84	5253	1.1666	ug/L	87
40) chloroform	2.707	83	5674	0.7491	ug/L	86

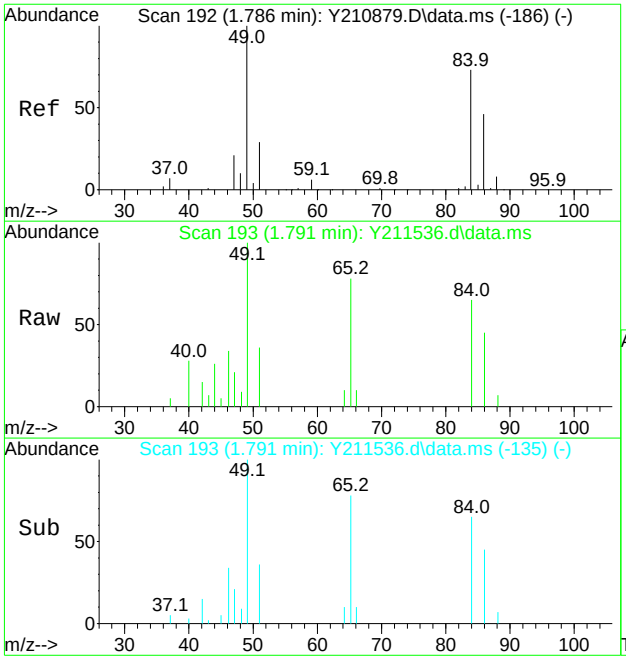
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Dec 2024\12-03-24\VY9149\
Data File : Y211536.d
Acq On : 3 Dec 2024 12:22 am
Operator : PrashanS
Sample : JE1534-6 Inst : GCMSY
Misc : MS87631,VY9149,4.5,,,,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 03 07:20:22 2024
Quant Method : C:\msdchem\1\methods\MY9125.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
QLast Update : Mon Nov 04 11:44:01 2024
Response via : Initial Calibration

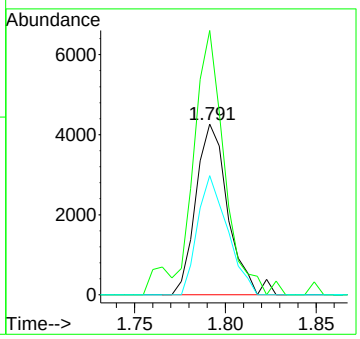


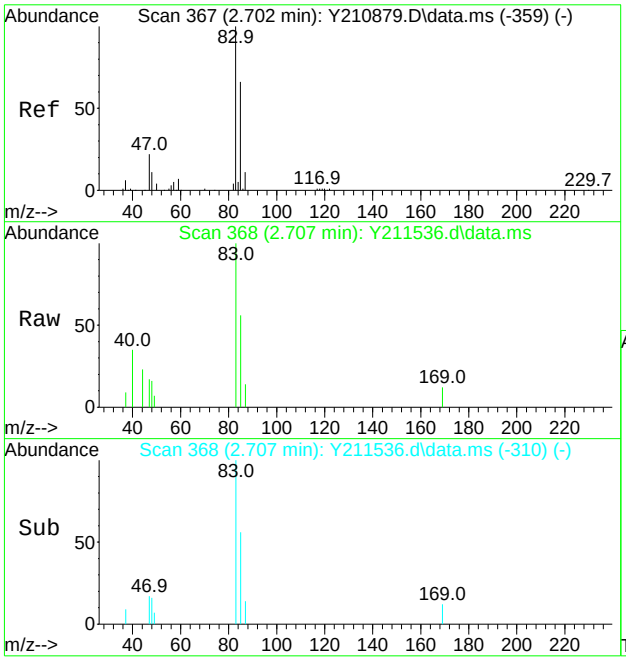


#22
methylene chloride
Concen: 1.1666 ug/L
RT: 1.791 min Scan# 193
Delta R.T. 0.005 min
Lab File: Y211536.d
Acq: 3 Dec 2024 12:22 am

Tgt Ion: 84 Resp: 5253

Ion	Ratio	Lower	Upper
84	100		
49	155.0	106.8	166.8
86	69.9	32.7	92.7

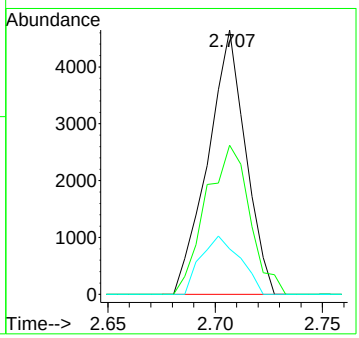




#40
chloroform
Concen: 0.7491 ug/L
RT: 2.707 min Scan# 368
Delta R.T. 0.005 min
Lab File: Y211536.d
Acq: 3 Dec 2024 12:22 am

Tgt Ion: 83 Resp: 5674

Ion	Ratio	Lower	Upper
83	100		
85	56.4	35.6	95.6
47	17.1	0.0	56.8



LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\rosanlie\Dec 2024\12-03-24\VY9149\
Data File : Y211536.d
Acq On : 3 Dec 2024 12:22 am
Operator : PrashanS
Sample : JE1534-6
Misc : MS87631,VY9149,4.5,,,,1
ALS Vial : 28 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\MY9125.M
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

Signal : TIC: Y211536.d\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	0.923	25	27	29	rVB	7220	4722	0.20%	0.039%
2	1.096	56	60	67	rBV	10990	15726	0.67%	0.130%
3	1.650	157	166	172	rVB2	2302	5303	0.23%	0.044%
4	1.692	172	174	180	rBV2	1258	1885	0.08%	0.016%
5	1.765	180	188	224	rBV	172705	297872	12.73%	2.467%
6	1.995	226	232	240	rBV2	13303	16847	0.72%	0.140%
7	2.084	246	249	252	rBV3	846	1013	0.04%	0.008%
8	2.492	324	327	335	rVB4	2285	3263	0.14%	0.027%
9	2.623	349	352	356	rVB2	1105	1329	0.06%	0.011%
10	2.670	356	361	363	rBV	3475	4434	0.19%	0.037%
11	2.707	363	368	373	rVB2	10650	13861	0.59%	0.115%
12	2.832	382	392	424	rBV2	751926	1789792	76.50%	14.824%
13	3.078	431	439	461	rBV	391477	609819	26.07%	5.051%
14	3.235	466	469	474	rVV3	1114	1557	0.07%	0.013%
15	3.376	488	496	524	rVV	848431	1402582	59.95%	11.617%
16	3.585	535	536	547	rVB3	3181	5118	0.22%	0.042%
17	3.805	576	578	585	rBV2	937	1594	0.07%	0.013%
18	3.863	585	589	592	rBV	1003	1282	0.05%	0.011%
19	3.904	592	597	599	rBV2	1017	1082	0.05%	0.009%
20	3.952	603	606	608	rBV2	705	1014	0.04%	0.008%
21	4.019	615	619	623	rBV2	961	1307	0.06%	0.011%
22	4.307	666	674	680	rVB2	1066	3107	0.13%	0.026%
23	4.349	680	682	685	rBV	934	1000	0.04%	0.008%
24	4.407	688	693	699	rVB	1122	1728	0.07%	0.014%
25	4.532	716	717	721	rBV2	906	1015	0.04%	0.008%
26	4.605	723	731	763	rVB	1230109	1957047	83.65%	16.209%
27	4.794	763	767	771	rBV	1088	1305	0.06%	0.011%
28	4.966	794	800	807	rVB3	4085	6866	0.29%	0.057%
29	5.029	807	812	814	rVB2	999	1267	0.05%	0.010%
30	5.160	833	837	839	rBV	929	947	0.04%	0.008%
31	5.249	850	854	855	rVV	882	895	0.04%	0.007%
32	5.264	855	857	862	rVB2	1236	1630	0.07%	0.014%
33	5.317	862	867	868	rBV2	1464	1488	0.06%	0.012%
34	5.343	871	872	876	rVB2	1273	1076	0.05%	0.009%
35	5.426	886	888	896	rBV2	972	1751	0.07%	0.015%
36	5.542	906	910	911	rBV	1483	1336	0.06%	0.011%
37	5.693	930	939	943	rVB3	2466	5373	0.23%	0.045%
38	5.730	943	946	950	rBV2	689	933	0.04%	0.008%
39	5.845	960	968	989	rBV	1366338	1809523	77.34%	14.987%
40	6.133	1022	1023	1030	rVB2	876	994	0.04%	0.008%

LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\rosanlie\Dec 2024\12-03-24\VY9149\
Data File : Y211536.d
Acq On : 3 Dec 2024 12:22 am
Operator : PrashanS
Sample : JE1534-6
Misc : MS87631,VY9149,4.5,,,,1
ALS Vial : 28 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\MY9125.M
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

41	6.368	1066	1068	1073	rVB2	1137	1086	0.05%	0.009%
42	6.441	1077	1082	1083	rVB2	682	920	0.04%	0.008%
43	6.452	1083	1084	1090	rVB2	826	1020	0.04%	0.008%
44	6.499	1090	1093	1097	rBV2	1038	953	0.04%	0.008%
45	6.603	1109	1113	1116	rBV2	890	1197	0.05%	0.010%
46	6.635	1116	1119	1122	rVB2	1117	1137	0.05%	0.009%
47	6.734	1135	1138	1144	rVV3	3875	4974	0.21%	0.041%
48	6.818	1146	1154	1167	rVV	1294531	1606638	68.67%	13.307%
49	6.901	1167	1170	1176	rVV4	3410	5433	0.23%	0.045%
50	7.100	1204	1208	1217	rVB3	1917	3130	0.13%	0.026%
51	7.294	1238	1245	1249	rBV2	1829	2106	0.09%	0.017%
52	7.356	1251	1257	1262	rBV3	6286	9057	0.39%	0.075%
53	7.414	1262	1268	1270	rVV2	865	964	0.04%	0.008%
54	7.451	1270	1275	1281	rVV2	3078	4202	0.18%	0.035%
55	7.539	1284	1292	1297	rVV2	11811	17773	0.76%	0.147%
56	7.576	1297	1299	1305	rVB2	2281	1992	0.09%	0.016%
57	7.639	1305	1311	1314	rVB2	929	1394	0.06%	0.012%
58	7.675	1314	1318	1322	rBV2	3202	3967	0.17%	0.033%
59	7.728	1322	1328	1348	rVB	1996591	2339579	100.00%	19.377%
60	7.843	1348	1350	1353	rVB2	1087	901	0.04%	0.007%
61	7.906	1358	1362	1369	rBV5	3971	5899	0.25%	0.049%
62	8.042	1385	1388	1393	rBV4	2345	3433	0.15%	0.028%
63	8.083	1393	1396	1402	rVB3	2774	4401	0.19%	0.036%
64	8.193	1411	1417	1422	rBV3	1287	1970	0.08%	0.016%
65	8.246	1422	1427	1432	rBV2	1081	1558	0.07%	0.013%
66	8.350	1442	1447	1454	rBV	14020	19998	0.85%	0.166%
67	8.507	1472	1477	1482	rBV2	712	1324	0.06%	0.011%
68	8.559	1486	1487	1492	rVB2	896	1104	0.05%	0.009%
69	8.591	1492	1493	1498	rBV	1241	1527	0.07%	0.013%
70	8.831	1538	1539	1546	rVB	1323	1993	0.09%	0.017%
71	8.889	1546	1550	1553	rBV2	2597	2856	0.12%	0.024%
72	8.993	1566	1570	1574	rBV2	934	1294	0.06%	0.011%
73	9.271	1620	1623	1627	rVB2	898	1238	0.05%	0.010%
74	9.344	1635	1637	1641	rVV	869	933	0.04%	0.008%
75	9.401	1641	1648	1653	rVB2	632	1376	0.06%	0.011%
76	9.584	1679	1683	1686	rVB2	975	1018	0.04%	0.008%
77	9.710	1705	1707	1712	rVB2	1233	1479	0.06%	0.012%
78	9.752	1712	1715	1718	rBV2	818	1027	0.04%	0.009%
79	9.867	1733	1737	1740	rBV	1897	1641	0.07%	0.014%
80	10.128	1783	1787	1790	rVB2	1082	1130	0.05%	0.009%
81	10.170	1790	1795	1800	rBV2	977	1838	0.08%	0.015%
82	10.379	1834	1835	1841	rBV2	820	1071	0.05%	0.009%
83	10.447	1843	1848	1850	rVV2	972	926	0.04%	0.008%
84	10.500	1853	1858	1862	rVB2	732	1287	0.06%	0.011%
85	10.651	1880	1887	1890	rBV3	1361	2235	0.10%	0.019%

LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\rosanlie\Dec 2024\12-03-24\VY9149\
Data File : Y211536.d
Acq On : 3 Dec 2024 12:22 am
Operator : PrashanS
Sample : JE1534-6
Misc : MS87631,VY9149,4.5,,,,1
ALS Vial : 28 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\MY9125.M
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

86	10.709	1896	1898	1901	rVB2	1111	1039	0.04%	0.009%
87	10.866	1926	1928	1931	rBV2	1124	984	0.04%	0.008%
88	10.918	1935	1938	1942	rVB2	1189	1100	0.05%	0.009%
89	11.044	1959	1962	1967	rBV3	1157	1983	0.08%	0.016%
90	11.232	1993	1998	1999	rBV3	1266	1939	0.08%	0.016%
91	11.384	2025	2027	2032	rVV3	884	1223	0.05%	0.010%
92	11.582	2063	2065	2073	rVB2	1087	1322	0.06%	0.011%
93	11.907	2125	2127	2131	rVB2	1037	1171	0.05%	0.010%
94	12.194	2180	2182	2188	rBV2	980	1576	0.07%	0.013%
95	12.357	2211	2213	2215	rVB	1324	1007	0.04%	0.008%
96	12.388	2215	2219	2221	rBV3	1129	1643	0.07%	0.014%
97	12.691	2275	2277	2280	rVB2	1092	1040	0.04%	0.009%
98	12.717	2280	2282	2284	rBV2	1269	1165	0.05%	0.010%
99	12.806	2294	2299	2301	rBV2	1330	1376	0.06%	0.011%
100	12.869	2308	2311	2318	rBV	948	1617	0.07%	0.013%

Sum of corrected areas: 12073847

LSC Report - Integrated Chromatogram

```
Data Path : X:\Dayton VOA GCMS\rosanlie\Dec 2024\12-03-24\VY9149\
Data File : Y211536.d
Acq On    :  3 Dec 2024  12:22 am
Operator  : PrashanS
Sample    : JE1534-6
Misc      : MS87631,VY9149,4.5,,,,1
ALS Vial  : 28   Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\MY9125.M
Quant Title  : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

TIC Library   : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p
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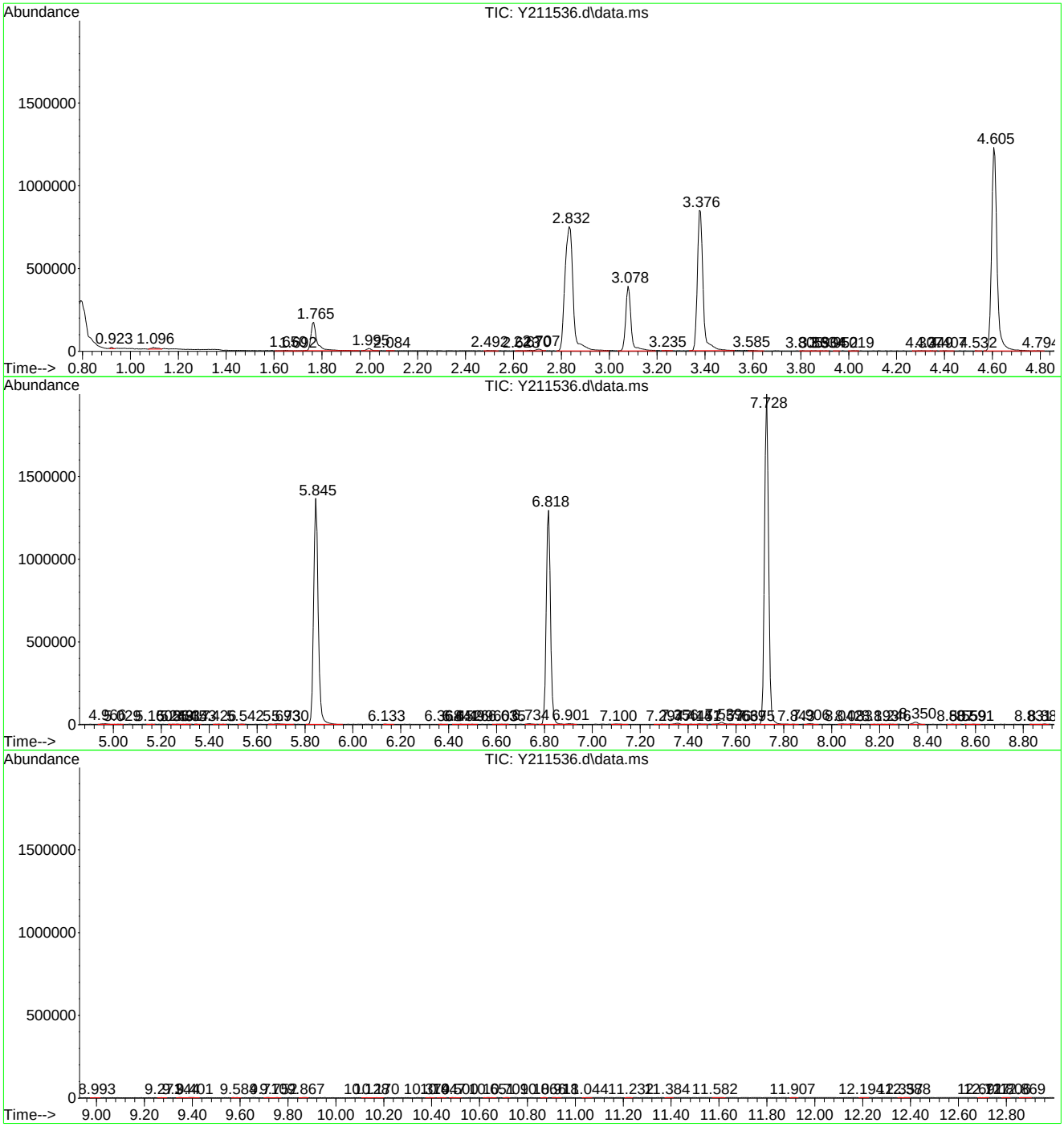


Tentatively Identified Compound (LSC) summary

Data Path : X:\Dayton VOA GCMS\rosanlie\Dec 2024\12-03-24\VY9149\
Data File : Y211536.d
Acq On : 3 Dec 2024 12:22 am
Operator : PrashanS
Sample : JE1534-6
Misc : MS87631,VY9149,4.5,,,,1
ALS Vial : 28 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\MY9125.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

No Library Search Compounds Detected
****

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Dec 2024\12-03-24\VY9149\
Data File : Y211537.d
Acq On : 3 Dec 2024 12:44 am
Operator : PrashanS
Sample : JE1534-7 Inst : GCMSY
Misc : MS87631,VY9149,2.5,,,,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Dec 03 07:21:30 2024
Quant Method : C:\msdchem\1\methods\MY9125.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
QLast Update : Mon Nov 04 11:44:01 2024
Response via : Initial Calibration

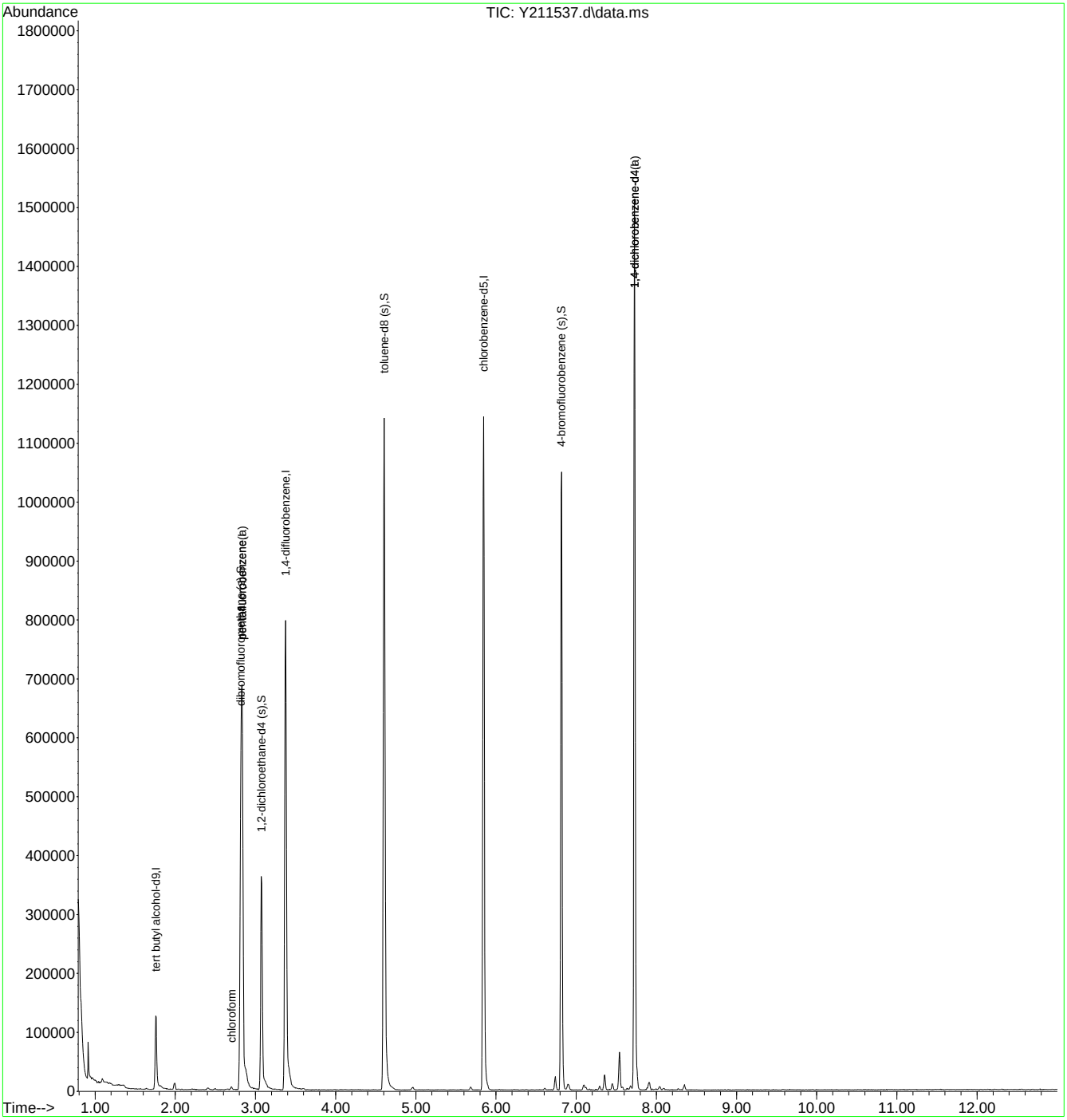
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	1.755	65	90779	500.00	ug/L	0.00
5) pentafluorobenzene	2.832	168	367807	50.00	ug/L	0.00
50) 1,4-difluorobenzene	3.376	114	562866	50.00	ug/L	0.00
72) chlorobenzene-d5	5.845	117	500550	50.00	ug/L	0.00
95) 1,4-dichlorobenzene-d4	7.728	152	284332	50.00	ug/L	0.00
123) pentafluorobenzene(a)	2.832	168	367807	50.00	ug/L	0.00
126) 1,4-dichlorobenzene-d4(a)	7.728	152	284332	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	2.817	113	190970	49.05	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 98.10%			
51) 1,2-dichloroethane-d4 (s)	3.073	65	205134	48.60	ug/L	0.00
Spiked Amount 50.000	Range 75 - 133		Recovery = 97.20%			
73) toluene-d8 (s)	4.605	98	640509	48.48	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 96.96%			
96) 4-bromofluorobenzene (s)	6.812	95	243631	49.72	ug/L	0.00
Spiked Amount 50.000	Range 58 - 148		Recovery = 99.44%			
Target Compounds						Qvalue
40) chloroform	2.702	83	2705	0.3863	ug/L	76

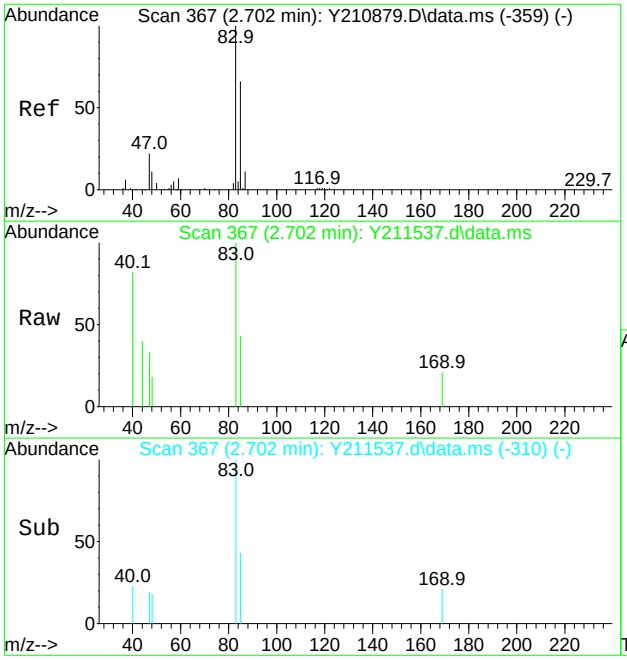
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Dec 2024\12-03-24\VY9149\
Data File : Y211537.d
Acq On : 3 Dec 2024 12:44 am
Operator : PrashanS
Sample : JE1534-7 Inst : GCMSY
Misc : MS87631,VY9149,2.5,,,,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Dec 03 07:21:30 2024
Quant Method : C:\msdchem\1\methods\MY9125.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
QLast Update : Mon Nov 04 11:44:01 2024
Response via : Initial Calibration

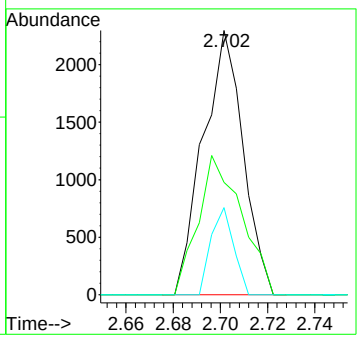




#40
chloroform
Concen: 0.3863 ug/L
RT: 2.702 min Scan# 367
Delta R.T. -0.000 min
Lab File: Y211537.d
Acq: 3 Dec 2024 12:44 am

Tgt Ion: 83 Resp: 2705

Ion	Ratio	Lower	Upper
83	100		
85	42.5	35.6	95.6
47	33.0	0.0	56.8



LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\rosanlie\Dec 2024\12-03-24\VY9149\
Data File : Y211537.d
Acq On : 3 Dec 2024 12:44 am
Operator : PrashanS
Sample : JE1534-7
Misc : MS87631,VY9149,2.5,,,,1
ALS Vial : 29 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\MY9125.M
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

Signal : TIC: Y211537.d\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	0.913	23	25	34	rBV	61830	46246	2.60%	0.437%
2	1.091	56	59	64	rVB3	6089	6089	0.34%	0.058%
3	1.509	138	139	142	rVB3	1447	1135	0.06%	0.011%
4	1.640	159	164	173	rVB2	2402	2965	0.17%	0.028%
5	1.755	176	186	195	rBV	124761	185673	10.42%	1.756%
6	1.990	225	231	237	rVB4	10748	15270	0.86%	0.144%
7	2.032	237	239	246	rVB2	1237	2089	0.12%	0.020%
8	2.084	246	249	254	rBV3	1532	1394	0.08%	0.013%
9	2.210	270	273	276	rVB	1590	1257	0.07%	0.012%
10	2.409	302	311	323	rVB3	3341	6955	0.39%	0.066%
11	2.498	323	328	331	rBV2	2719	2779	0.16%	0.026%
12	2.660	349	359	361	rVB2	1574	3452	0.19%	0.033%
13	2.702	361	367	373	rVV3	5343	8399	0.47%	0.079%
14	2.738	373	374	377	rVB2	1418	1150	0.06%	0.011%
15	2.832	382	392	415	rBV2	688514	1653181	92.80%	15.634%
16	3.073	431	438	468	rBV	362658	575494	32.31%	5.442%
17	3.313	483	484	487	rBV2	1098	891	0.05%	0.008%
18	3.376	487	496	519	rBV	797201	1288592	72.33%	12.186%
19	3.585	535	536	545	rVB3	2647	4523	0.25%	0.043%
20	3.643	545	547	552	rBV2	917	1143	0.06%	0.011%
21	3.727	558	563	564	rBV2	1136	1442	0.08%	0.014%
22	3.988	607	613	616	rBV	984	1332	0.07%	0.013%
23	4.119	633	638	640	rBV2	830	980	0.06%	0.009%
24	4.197	648	653	657	rVB2	736	1043	0.06%	0.010%
25	4.333	676	679	685	rBV2	701	1114	0.06%	0.011%
26	4.412	690	694	698	rVB2	926	1393	0.08%	0.013%
27	4.459	698	703	704	rBV	957	910	0.05%	0.009%
28	4.605	723	731	760	rVV	1140623	1756403	98.60%	16.610%
29	4.794	765	767	772	rVB2	820	859	0.05%	0.008%
30	4.961	792	799	805	rBV2	4621	8012	0.45%	0.076%
31	5.254	850	855	857	rBV	942	1283	0.07%	0.012%
32	5.343	870	872	881	rVB2	545	914	0.05%	0.009%
33	5.683	930	937	944	rVV3	5286	7593	0.43%	0.072%
34	5.845	961	968	984	rBV	1143264	1549757	87.00%	14.655%
35	6.044	1003	1006	1008	rVB2	1548	1331	0.07%	0.013%
36	6.070	1008	1011	1014	rBV2	763	971	0.05%	0.009%
37	6.373	1066	1069	1077	rBV2	1497	2431	0.14%	0.023%
38	6.446	1079	1083	1090	rVB2	886	1640	0.09%	0.016%
39	6.504	1090	1094	1098	rBV2	997	1361	0.08%	0.013%
40	6.609	1110	1114	1118	rVV4	3626	4573	0.26%	0.043%

LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\rosanlie\Dec 2024\12-03-24\VY9149\
Data File : Y211537.d
Acq On : 3 Dec 2024 12:44 am
Operator : PrashanS
Sample : JE1534-7
Misc : MS87631,VY9149,2.5,,,,1
ALS Vial : 29 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\MY9125.M
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

41	6.640	1118	1120	1123	rVV	968	902	0.05%	0.009%
42	6.661	1123	1124	1127	rVV	1326	962	0.05%	0.009%
43	6.687	1127	1129	1132	rVV2	1102	909	0.05%	0.009%
44	6.739	1132	1139	1147	rVV2	23419	32223	1.81%	0.305%
45	6.818	1147	1154	1164	rVV	1049265	1294825	72.68%	12.245%
46	6.896	1164	1169	1179	rVV5	10441	19632	1.10%	0.186%
47	7.100	1199	1208	1218	rVV6	8653	19583	1.10%	0.185%
48	7.163	1218	1220	1223	rVV2	1909	1848	0.10%	0.017%
49	7.189	1223	1225	1232	rVB2	1215	1734	0.10%	0.016%
50	7.241	1232	1235	1240	rBV2	1602	1918	0.11%	0.018%
51	7.294	1240	1245	1250	rBV2	7076	9810	0.55%	0.093%
52	7.356	1250	1257	1265	rVV	25817	33302	1.87%	0.315%
53	7.414	1265	1268	1269	rVV	1664	1215	0.07%	0.011%
54	7.451	1270	1275	1281	rVV	11079	14219	0.80%	0.134%
55	7.539	1281	1292	1304	rVV	64233	91454	5.13%	0.865%
56	7.634	1304	1310	1314	rVV2	3218	4057	0.23%	0.038%
57	7.675	1314	1318	1322	rVV3	7357	11034	0.62%	0.104%
58	7.728	1322	1328	1346	rVB	1512473	1781428	100.00%	16.846%
59	7.911	1352	1363	1368	rVB5	13280	23736	1.33%	0.224%
60	7.947	1368	1370	1372	rBV2	1769	1529	0.09%	0.014%
61	7.995	1373	1379	1383	rVV3	2073	2849	0.16%	0.027%
62	8.042	1383	1388	1392	rVV3	5560	8211	0.46%	0.078%
63	8.089	1394	1397	1401	rVB4	2506	3647	0.20%	0.034%
64	8.272	1427	1432	1437	rBV3	2435	2642	0.15%	0.025%
65	8.350	1442	1447	1453	rBV2	9492	13276	0.75%	0.126%
66	8.497	1472	1475	1480	rVB2	820	1212	0.07%	0.011%
67	8.711	1513	1516	1518	rBV2	992	966	0.05%	0.009%
68	8.769	1524	1527	1530	rVB2	807	890	0.05%	0.008%
69	8.857	1541	1544	1547	rVB	1210	1129	0.06%	0.011%
70	8.894	1547	1551	1555	rBV	1252	1546	0.09%	0.015%
71	8.988	1565	1569	1573	rVV2	783	1351	0.08%	0.013%
72	9.020	1573	1575	1578	rVV2	815	867	0.05%	0.008%
73	9.082	1586	1587	1592	rVB2	1034	911	0.05%	0.009%
74	9.203	1607	1610	1613	rVB2	740	888	0.05%	0.008%
75	9.339	1632	1636	1641	rVB2	796	1152	0.06%	0.011%
76	9.381	1641	1644	1647	rBV2	871	974	0.05%	0.009%
77	9.459	1658	1659	1663	rBV2	1314	1155	0.06%	0.011%
78	9.496	1663	1666	1669	rBV2	960	950	0.05%	0.009%
79	9.579	1676	1682	1685	rBV3	1484	2539	0.14%	0.024%
80	9.663	1696	1698	1704	rVB2	1182	1065	0.06%	0.010%
81	9.951	1749	1753	1757	rVB2	934	1412	0.08%	0.013%
82	10.484	1850	1855	1857	rBV2	870	1049	0.06%	0.010%
83	10.510	1857	1860	1865	rVV2	780	882	0.05%	0.008%
84	10.646	1885	1886	1889	rBV	1142	862	0.05%	0.008%
85	10.699	1895	1896	1901	rVB2	691	865	0.05%	0.008%

LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\rosanlie\Dec 2024\12-03-24\VY9149\
Data File : Y211537.d
Acq On : 3 Dec 2024 12:44 am
Operator : PrashanS
Sample : JE1534-7
Misc : MS87631,VY9149,2.5,,,,1
ALS Vial : 29 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\MY9125.M
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

86	10.777	1908	1911	1915	rBV2	715	1082	0.06%	0.010%
87	11.352	2017	2021	2024	rBV3	621	906	0.05%	0.009%
88	11.405	2029	2031	2037	rVB3	1262	1726	0.10%	0.016%
89	11.546	2055	2058	2059	rVB2	1631	1136	0.06%	0.011%
90	11.755	2094	2098	2102	rBV3	922	1288	0.07%	0.012%
91	11.818	2104	2110	2112	rVB3	730	958	0.05%	0.009%
92	11.839	2112	2114	2118	rBV3	892	967	0.05%	0.009%
93	12.043	2150	2153	2157	rBV2	1478	2503	0.14%	0.024%
94	12.215	2183	2186	2189	rBV2	1471	1663	0.09%	0.016%
95	12.561	2249	2252	2255	rBV2	853	1033	0.06%	0.010%
96	12.644	2265	2268	2271	rVB2	1095	1342	0.08%	0.013%
97	12.691	2275	2277	2281	rVB2	1136	1279	0.07%	0.012%
98	12.733	2281	2285	2289	rVB2	845	1251	0.07%	0.012%
99	12.785	2289	2295	2298	rBV	1987	2302	0.13%	0.022%
100	12.838	2302	2305	2308	rBV3	1247	1514	0.08%	0.014%

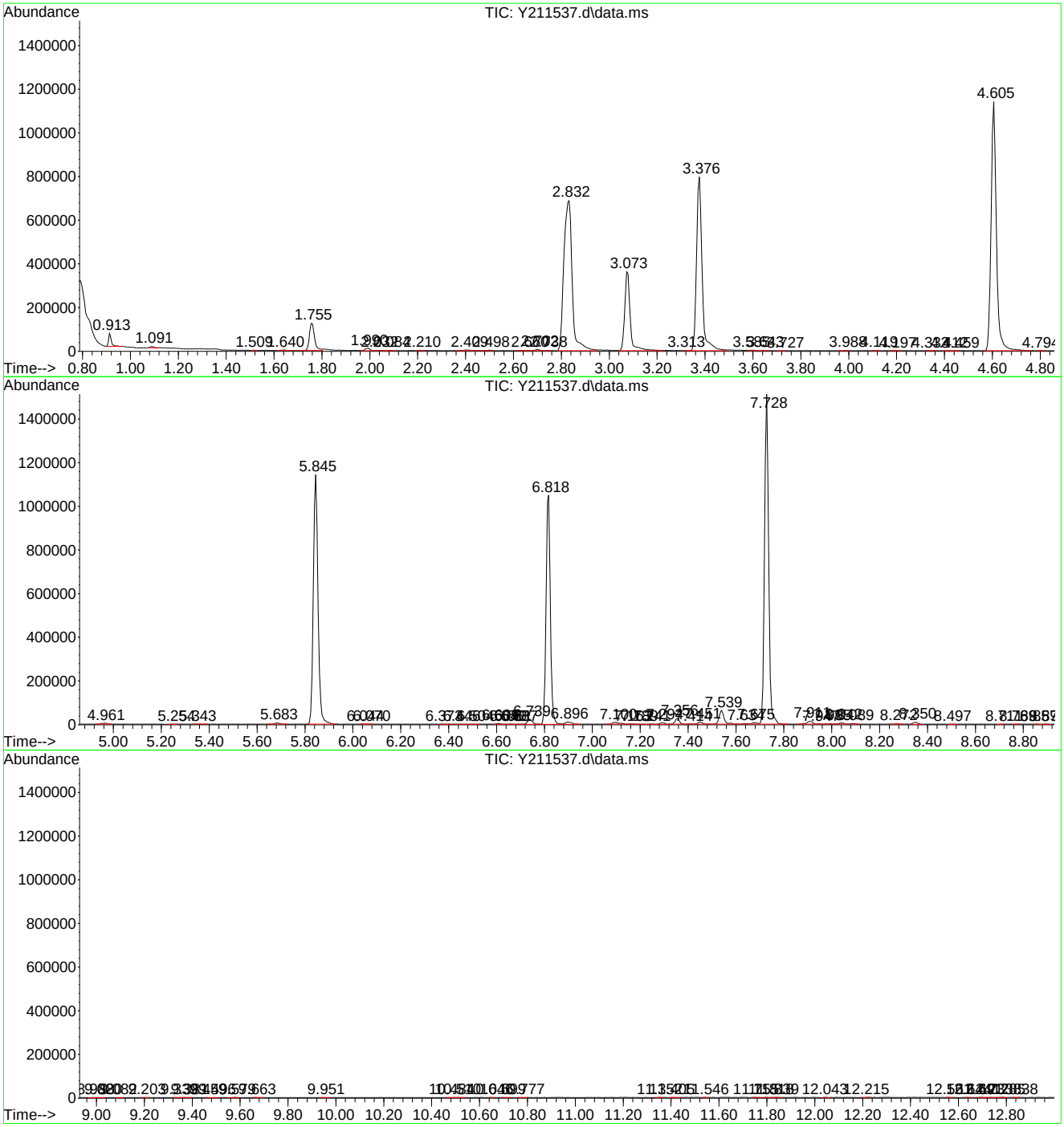
Sum of corrected areas: 10574579

LSC Report - Integrated Chromatogram

Data Path : X:\Dayton VOA GCMS\rosanlie\Dec 2024\12-03-24\VY9149\
Data File : Y211537.d
Acq On : 3 Dec 2024 12:44 am
Operator : PrashanS
Sample : JE1534-7
Misc : MS87631,VY9149,2.5,,,,1
ALS Vial : 29 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\MY9125.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p



Tentatively Identified Compound (LSC) summary

Data Path : X:\Dayton VOA GCMS\rosanlie\Dec 2024\12-03-24\VY9149\
Data File : Y211537.d
Acq On : 3 Dec 2024 12:44 am
Operator : PrashanS
Sample : JE1534-7
Misc : MS87631,VY9149,2.5,,,,1
ALS Vial : 29 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\MY9125.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

No Library Search Compounds Detected
****

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\michaellab\11-28-2024\V2S292\
Data File : 2S011166.D
Acq On : 27 Nov 2024 05:33 pm
Operator : KevinA
Sample : JE1534-8 Inst : GCMS S
Misc : MS87632,V2S292,5,,,,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 28 16:44:44 2024
Quant Method : C:\msdchem\1\methods\m2s228.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Tue Oct 01 15:53:48 2024
Response via : Initial Calibration

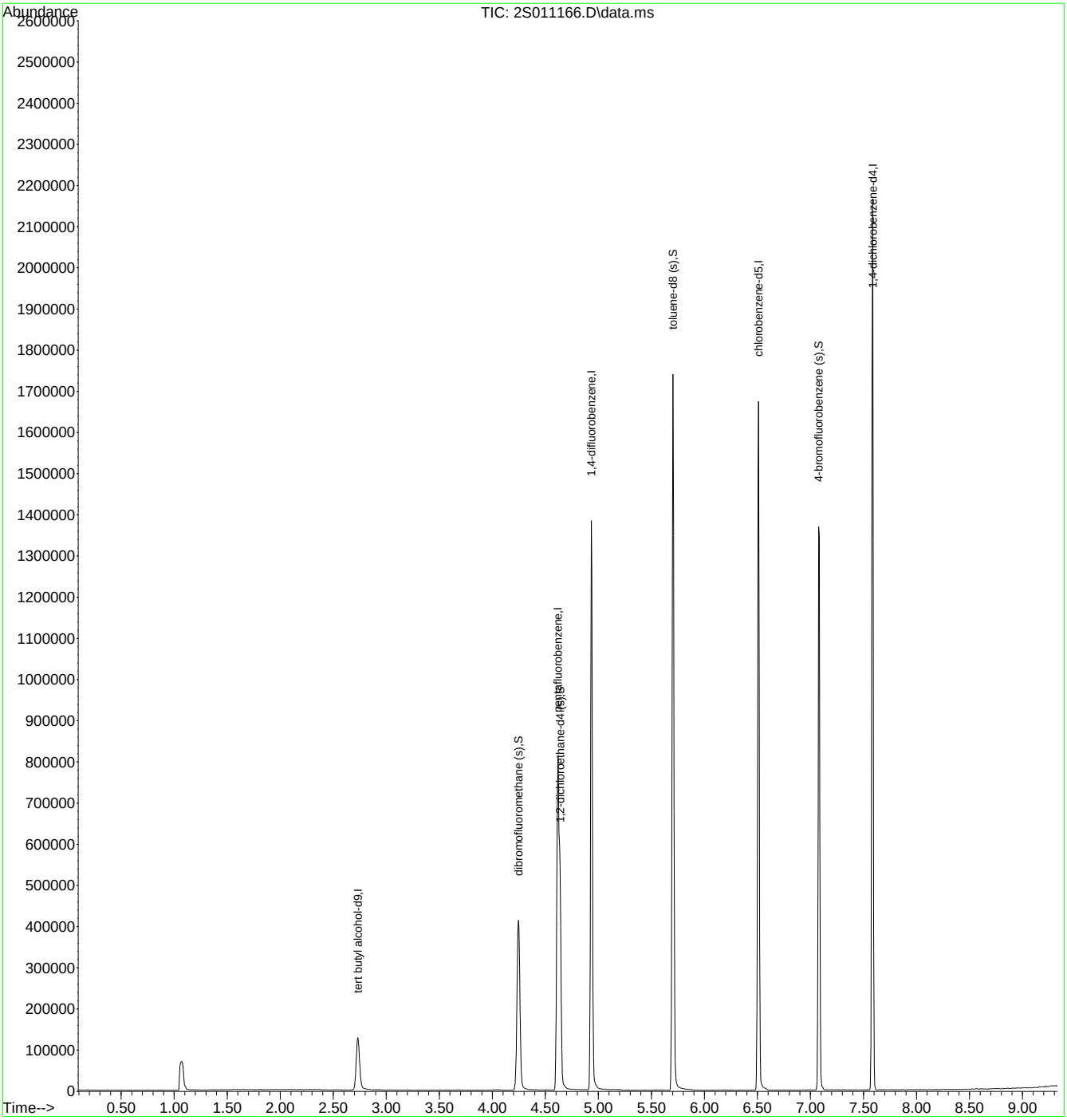
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.731	65	147070	500.00	ug/L	0.00
5) pentafluorobenzene	4.618	168	387630	50.00	ug/L	0.00
50) 1,4-difluorobenzene	4.933	114	717024	50.00	ug/L	0.00
72) chlorobenzene-d5	6.511	117	614317	50.00	ug/L	0.00
95) 1,4-dichlorobenzene-d4	7.586	152	348243	50.00	ug/L	0.00
System Monitoring Compounds						
42) dibromofluoromethane (s)	4.246	113	246200	51.50	ug/L	0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 103.00%			
51) 1,2-dichloroethane-d4 (s)	4.639	65	257203	48.31	ug/L	0.00
Spiked Amount 50.000	Range 75 - 130		Recovery = 96.62%			
73) toluene-d8 (s)	5.704	98	792340	48.38	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.76%			
96) 4-bromofluorobenzene (s)	7.077	95	292791	44.51	ug/L	0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 89.02%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\michaellab\11-28-2024\V2S292\
Data File : 2S011166.D
Acq On : 27 Nov 2024 05:33 pm
Operator : KevinA
Sample : JE1534-8 Inst : GCMS S
Misc : MS87632,V2S292,5,,,,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 28 16:44:44 2024
Quant Method : C:\msdchem\1\methods\m2s228.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Tue Oct 01 15:53:48 2024
Response via : Initial Calibration



LSC Area Percent Report

Data Path : R:\MSVOA\Done\Batch\2024\11. November\11-28-2024\michaellab\V2S292\
Data File : 2S011166.D
Acq On : 27 Nov 2024 05:33 pm
Operator : KevinA
Sample : JE1534-8
Misc : MS87632,V2S292,5,,,,1
ALS Vial : 20 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 100

Method : C:\msdchem\1\methods\m2s228.m
Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um

Signal : TIC: 2S011166.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	0.193	11	20	23	rBV2	602	1087	0.05%	0.009%
2	0.377	47	55	61	rBV2	731	1034	0.05%	0.008%
3	0.492	75	77	85	rBV2	884	1759	0.09%	0.014%
4	0.560	85	90	97	rVB2	648	1169	0.06%	0.010%
5	0.628	97	103	107	rBV2	658	868	0.04%	0.007%
6	0.759	121	128	131	rBV2	785	1214	0.06%	0.010%
7	0.807	131	137	143	rVB	434	704	0.03%	0.006%
8	0.849	143	145	151	rBV2	656	646	0.03%	0.005%
9	0.885	151	152	165	rVB2	640	945	0.05%	0.008%
10	1.006	165	175	179	rBV2	585	1252	0.06%	0.010%
11	1.069	179	187	203	rVV2	70194	173203	8.48%	1.423%
12	1.174	203	207	211	rBV2	982	1415	0.07%	0.012%
13	1.368	231	244	255	rBV3	1199	4628	0.23%	0.038%
14	1.436	255	257	263	rVV2	1083	1023	0.05%	0.008%
15	1.567	267	282	293	rVV4	1826	6421	0.31%	0.053%
16	1.640	293	296	305	rVB2	1215	2650	0.13%	0.022%
17	1.714	305	310	315	rBV3	961	1996	0.10%	0.016%
18	1.845	331	335	337	rBV2	793	911	0.04%	0.007%
19	1.881	337	342	343	rVV3	948	869	0.04%	0.007%
20	1.965	347	358	367	rVV3	1012	3285	0.16%	0.027%
21	2.044	367	373	375	rVB2	1069	1265	0.06%	0.010%
22	2.096	375	383	391	rBV3	1229	3382	0.17%	0.028%
23	2.186	397	400	407	rBV4	1148	1807	0.09%	0.015%
24	2.495	451	459	463	rBV2	549	636	0.03%	0.005%
25	2.731	485	504	533	rBV2	127907	302790	14.82%	2.487%
26	2.899	533	536	539	rVV2	1259	1713	0.08%	0.014%
27	2.925	539	541	551	rVV2	1046	2486	0.12%	0.020%
28	3.019	555	559	563	rVV3	683	1081	0.05%	0.009%
29	3.082	567	571	579	rVV3	672	1262	0.06%	0.010%
30	3.145	579	583	587	rVB2	771	729	0.04%	0.006%
31	3.192	587	592	595	rBV2	813	920	0.05%	0.008%
32	3.218	595	597	607	rBV2	548	659	0.03%	0.005%
33	3.349	615	622	625	rVB2	661	879	0.04%	0.007%
34	3.418	631	635	639	rBV3	706	1336	0.07%	0.011%
35	3.502	649	651	657	rVB2	543	634	0.03%	0.005%
36	3.559	657	662	665	rBV2	671	887	0.04%	0.007%
37	3.675	677	684	689	rBV2	869	1528	0.07%	0.013%
38	3.758	697	700	707	rVB2	553	646	0.03%	0.005%
39	3.853	707	718	721	rBV2	593	1076	0.05%	0.009%
40	4.068	745	759	767	rBV4	1237	4855	0.24%	0.040%

LSC Area Percent Report

Data Path : R:\MSVOA\Done\Batch\2024\11. November\11-28-2024\michaellab\V2S292\
Data File : 2S011166.D
Acq On : 27 Nov 2024 05:33 pm
Operator : KevinA
Sample : JE1534-8
Misc : MS87632,V2S292,5,,,,1
ALS Vial : 20 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 100

Method : C:\msdchem\1\methods\m2s228.m
Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um

41	4.141	767	773	775	rVB2	558	692	0.03%	0.006%
42	4.246	775	793	815	rBV2	412857	814022	39.85%	6.687%
43	4.482	833	838	839	rVB2	529	643	0.03%	0.005%
44	4.513	839	844	851	rVB5	1070	1681	0.08%	0.014%
45	4.618	851	864	897	rBV2	808543	1788882	87.58%	14.696%
46	4.812	897	901	911	rVB5	1782	3894	0.19%	0.032%
47	4.933	911	924	951	rBV	1382846	1607100	78.68%	13.202%
48	5.190	967	973	981	rVB3	2078	4574	0.22%	0.038%
49	5.284	981	991	995	rBV2	1068	1332	0.07%	0.011%
50	5.352	995	1004	1005	rVV2	665	843	0.04%	0.007%
51	5.415	1009	1016	1017	rVB2	722	881	0.04%	0.007%
52	5.473	1017	1027	1033	rVB2	655	1982	0.10%	0.016%
53	5.525	1033	1037	1039	rBV2	876	773	0.04%	0.006%
54	5.562	1039	1044	1049	rBV3	996	2359	0.12%	0.019%
55	5.609	1049	1053	1059	rVV	757	1281	0.06%	0.011%
56	5.704	1059	1071	1109	rVB	1739060	2042664	100.00%	16.780%
57	5.913	1109	1111	1115	rBV2	583	676	0.03%	0.006%
58	5.945	1115	1117	1123	rVB	730	672	0.03%	0.006%
59	6.039	1133	1135	1141	rVB2	663	1207	0.06%	0.010%
60	6.134	1141	1153	1159	rBV2	763	2369	0.12%	0.019%
61	6.186	1159	1163	1171	rVB2	942	1818	0.09%	0.015%
62	6.254	1171	1176	1189	rBV2	800	2104	0.10%	0.017%
63	6.359	1189	1196	1201	rVB2	892	1635	0.08%	0.013%
64	6.406	1201	1205	1207	rBV2	697	710	0.03%	0.006%
65	6.511	1207	1225	1245	rBV	1673075	1809785	88.60%	14.867%
66	6.752	1265	1271	1275	rBV3	761	1476	0.07%	0.012%
67	6.826	1279	1285	1287	rVB2	685	995	0.05%	0.008%
68	6.857	1287	1291	1295	rBV3	657	1032	0.05%	0.008%
69	6.899	1295	1299	1301	rVB2	708	775	0.04%	0.006%
70	6.936	1301	1306	1307	rBV2	967	967	0.05%	0.008%
71	6.993	1307	1317	1321	rBV2	886	2244	0.11%	0.018%
72	7.077	1321	1333	1349	rVV	1369035	1428120	69.91%	11.732%
73	7.203	1349	1357	1361	rVV	1455	1934	0.09%	0.016%
74	7.256	1361	1367	1373	rVB3	1321	2777	0.14%	0.023%
75	7.329	1373	1381	1389	rBV3	1375	2927	0.14%	0.024%
76	7.429	1389	1400	1401	rVB3	742	1058	0.05%	0.009%
77	7.476	1405	1409	1413	rBV2	976	939	0.05%	0.008%
78	7.507	1413	1415	1417	rVB	1028	623	0.03%	0.005%
79	7.586	1421	1430	1439	rVB	2164699	2030849	99.42%	16.683%
80	7.654	1439	1443	1447	rBV2	1330	2314	0.11%	0.019%
81	7.707	1447	1453	1457	rVB2	747	1215	0.06%	0.010%
82	7.748	1457	1461	1475	rBV5	751	1919	0.09%	0.016%
83	7.869	1479	1484	1489	rVB3	1065	2253	0.11%	0.019%
84	7.916	1489	1493	1497	rBV3	1069	1669	0.08%	0.014%
85	8.037	1503	1516	1527	rVB5	1270	6221	0.30%	0.051%

LSC Area Percent Report

Data Path : R:\MSVOA\Done\Batch\2024\11. November\11-28-2024\michaellab\V2S292\
Data File : 2S011166.D
Acq On : 27 Nov 2024 05:33 pm
Operator : KevinA
Sample : JE1534-8
Misc : MS87632,V2S292,5,,,,1
ALS Vial : 20 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 100

Method : C:\msdchem\1\methods\m2s228.m
Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um

86	8.131	1527	1534	1539	rBV5	1137	3056	0.15%	0.025%
87	8.178	1539	1543	1547	rVB3	947	868	0.04%	0.007%
88	8.247	1551	1556	1561	rBV4	1929	3863	0.19%	0.032%
89	8.346	1573	1575	1579	rBV3	1101	800	0.04%	0.007%
90	8.441	1581	1593	1599	rVV5	738	2079	0.10%	0.017%
91	8.530	1599	1610	1611	rBV4	927	1221	0.06%	0.010%
92	8.561	1611	1616	1621	rBV4	1640	2408	0.12%	0.020%
93	8.645	1621	1632	1637	rBV7	1302	2951	0.14%	0.024%
94	8.734	1637	1649	1651	rBV6	1600	4540	0.22%	0.037%
95	8.766	1651	1655	1659	rVB4	1402	1066	0.05%	0.009%
96	8.865	1661	1674	1677	rBV5	1782	3094	0.15%	0.025%
97	8.907	1677	1682	1689	rBV6	1564	3589	0.18%	0.029%
98	9.043	1697	1708	1711	rBV8	1651	4942	0.24%	0.041%
99	9.122	1715	1723	1725	rBV9	1513	3144	0.15%	0.026%
100	9.217	1725	1741	1745	rBV10	3578	10768	0.53%	0.088%

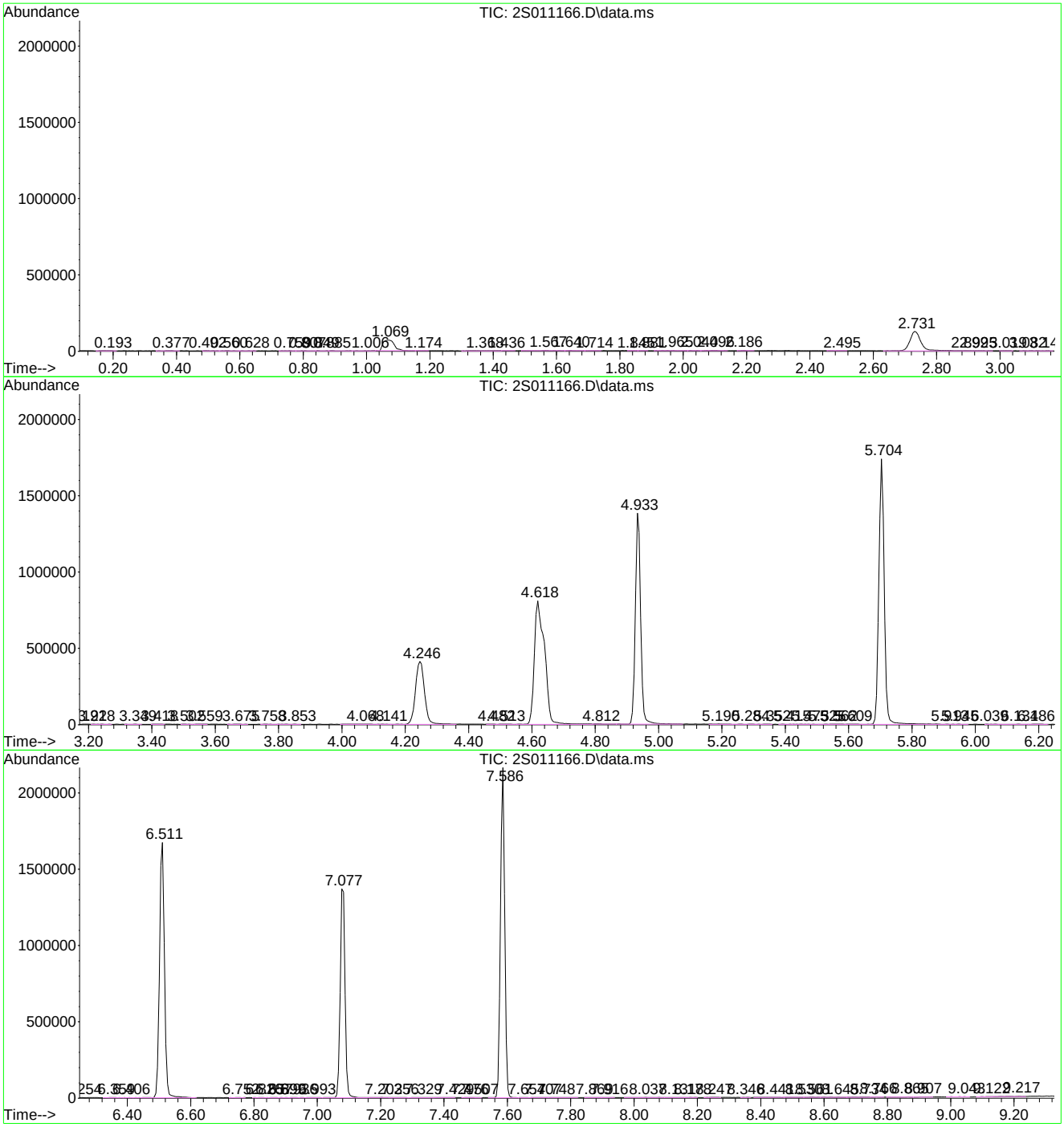
Sum of corrected areas: 12172925

LSC Report - Integrated Chromatogram

Data Path : R:\MSVOA\Done\Batch\2024\11. November\11-28-2024\michaellab\V2S292\
Data File : 2S011166.D
Acq On : 27 Nov 2024 05:33 pm
Operator : KevinA
Sample : JE1534-8
Misc : MS87632,V2S292,5,,,,1
ALS Vial : 20 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\m2s228.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: lscint.p



Tentatively Identified Compound (LSC) summary

Data Path : R:\MSVOA\Done\Batch\2024\11. November\11-28-2024\michaellab\V2S292\
Data File : 2S011166.D
Acq On : 27 Nov 2024 05:33 pm
Operator : KevinA
Sample : JE1534-8
Misc : MS87632,V2S292,5,,,,1
ALS Vial : 20 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\m2s228.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: lscint.p

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

No Library Search Compounds Detected
****

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\michaellab\11-28-2024\V2S292\
Data File : 2S011155.D
Acq On : 27 Nov 2024 12:32 pm
Operator : KevinA
Sample : mb Inst : GCMS S
Misc : MS46075,V2S292,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 28 16:04:13 2024
Quant Method : C:\msdchem\1\methods\m2s228.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Tue Oct 01 15:53:48 2024
Response via : Initial Calibration

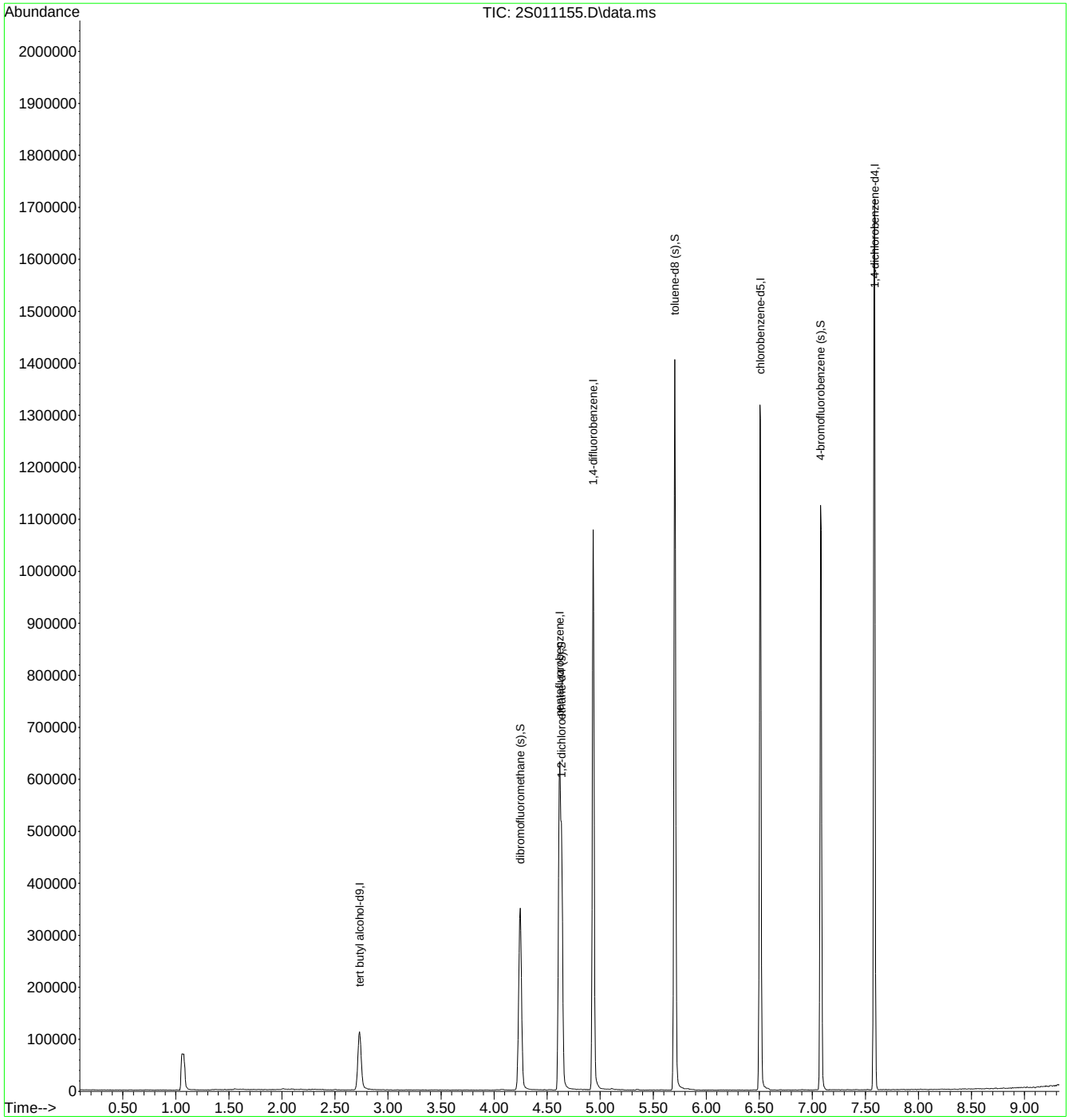
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.731	65	124056	500.00	ug/L	0.00
5) pentafluorobenzene	4.618	168	304061	50.00	ug/L	0.00
50) 1,4-difluorobenzene	4.933	114	560012	50.00	ug/L	0.00
72) chlorobenzene-d5	6.511	117	481359	50.00	ug/L	0.00
95) 1,4-dichlorobenzene-d4	7.586	152	276327	50.00	ug/L	0.00
System Monitoring Compounds						
42) dibromofluoromethane (s)	4.246	113	198441	52.92	ug/L	0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 105.84%			
51) 1,2-dichloroethane-d4 (s)	4.634	65	226149	54.39	ug/L	0.00
Spiked Amount 50.000	Range 75 - 130		Recovery = 108.78%			
73) toluene-d8 (s)	5.704	98	625790	48.76	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.52%			
96) 4-bromofluorobenzene (s)	7.077	95	236688	45.34	ug/L	0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 90.68%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\michaellab\11-28-2024\V2S292\
Data File : 2S011155.D
Acq On : 27 Nov 2024 12:32 pm
Operator : KevinA
Sample : mb Inst : GCMS S
Misc : MS46075,V2S292,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 28 16:04:13 2024
Quant Method : C:\msdchem\1\methods\m2s228.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Tue Oct 01 15:53:48 2024
Response via : Initial Calibration



LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\michaellab\11-28-2024\V2S292\
Data File : 2S011155.D
Acq On : 27 Nov 2024 12:32 pm
Operator : KevinA
Sample : mb
Misc : MS46075,V2S292,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 100

Method : C:\msdchem\1\methods\m2s228.m
Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um

Signal : TIC: 2S011155.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	0.230	23	27	35	rVB	626	769	0.05%	0.008%
2	0.282	35	37	49	rVB2	552	1125	0.07%	0.011%
3	0.429	55	65	67	rVB2	796	1771	0.11%	0.018%
4	0.471	67	73	75	rBV	690	1151	0.07%	0.012%
5	0.508	75	80	85	rBV	665	1161	0.07%	0.012%
6	0.566	85	91	97	rVV	720	1529	0.09%	0.015%
7	0.618	97	101	105	rVV	480	538	0.03%	0.005%
8	0.660	105	109	117	rVB2	728	1200	0.07%	0.012%
9	0.712	117	119	131	rBV2	898	1943	0.12%	0.019%
10	0.786	131	133	139	rBV2	310	687	0.04%	0.007%
11	0.849	139	145	155	rVB2	663	2117	0.13%	0.021%
12	0.912	155	157	163	rBV2	456	722	0.04%	0.007%
13	1.058	177	185	215	rVV2	70138	169437	10.23%	1.699%
14	1.247	215	221	225	rBV2	541	805	0.05%	0.008%
15	1.373	233	245	259	rBV3	1384	6362	0.38%	0.064%
16	1.494	261	268	269	rVB	489	627	0.04%	0.006%
17	1.551	269	279	285	rBV5	2010	4249	0.26%	0.043%
18	1.729	307	313	319	rBV3	1197	2665	0.16%	0.027%
19	1.777	319	322	327	rVB2	534	800	0.05%	0.008%
20	1.971	349	359	361	rBV3	849	2026	0.12%	0.020%
21	2.013	361	367	375	rVV4	2338	5391	0.33%	0.054%
22	2.091	375	382	387	rVB5	1910	4377	0.26%	0.044%
23	2.138	389	391	393	rVV	652	544	0.03%	0.005%
24	2.175	397	398	407	rVB3	1541	1717	0.10%	0.017%
25	2.254	407	413	415	rVB	1368	967	0.06%	0.010%
26	2.285	415	419	421	rBV	1619	1307	0.08%	0.013%
27	2.317	423	425	429	rVB2	670	502	0.03%	0.005%
28	2.411	441	443	449	rVB2	544	685	0.04%	0.007%
29	2.500	449	460	477	rVB2	1183	2905	0.18%	0.029%
30	2.731	479	504	541	rVV	111998	263163	15.89%	2.638%
31	2.946	543	545	551	rVB3	735	861	0.05%	0.009%
32	3.030	557	561	565	rVB	1206	1129	0.07%	0.011%
33	3.093	565	573	575	rBV2	947	1767	0.11%	0.018%
34	3.177	581	589	591	rVB2	646	1005	0.06%	0.010%
35	3.198	591	593	599	rVB2	871	1125	0.07%	0.011%
36	3.245	599	602	605	rBV	534	707	0.04%	0.007%
37	3.281	605	609	615	rVV2	427	818	0.05%	0.008%
38	3.444	631	640	645	rBV2	638	2021	0.12%	0.020%
39	3.690	669	687	689	rBV2	721	1912	0.12%	0.019%
40	3.832	701	714	717	rVB2	699	1527	0.09%	0.015%

LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\michaellab\11-28-2024\V2S292\
Data File : 2S011155.D
Acq On : 27 Nov 2024 12:32 pm
Operator : KevinA
Sample : mb
Misc : MS46075,V2S292,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 100

Method : C:\msdchem\1\methods\m2s228.m
Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um

41	3.863	717	720	725	rBV2	596	929	0.06%	0.009%
42	3.921	725	731	733	rBV2	425	623	0.04%	0.006%
43	4.073	739	760	769	rBV5	1327	4681	0.28%	0.047%
44	4.246	775	793	815	rBV	349765	664436	40.12%	6.661%
45	4.409	817	824	835	rVB3	1026	3748	0.23%	0.038%
46	4.482	835	838	841	rBV	954	921	0.06%	0.009%
47	4.535	841	848	853	rVB3	800	1788	0.11%	0.018%
48	4.618	853	864	895	rBV2	632069	1476080	89.12%	14.798%
49	4.849	905	908	915	rVB3	887	1233	0.07%	0.012%
50	4.933	915	924	947	rBV	1077299	1292292	78.02%	12.955%
51	5.106	953	957	969	rVB5	2636	3749	0.23%	0.038%
52	5.347	995	1003	1021	rVB2	1877	3786	0.23%	0.038%
53	5.484	1021	1029	1035	rBV2	476	1273	0.08%	0.013%
54	5.573	1035	1046	1051	rVB2	969	1942	0.12%	0.019%
55	5.625	1051	1056	1063	rBV2	671	1201	0.07%	0.012%
56	5.704	1063	1071	1101	rBV	1405185	1647548	99.47%	16.517%
57	5.913	1109	1111	1119	rVB2	556	841	0.05%	0.008%
58	6.008	1119	1129	1137	rBV2	592	1628	0.10%	0.016%
59	6.060	1137	1139	1145	rVB2	388	619	0.04%	0.006%
60	6.134	1149	1153	1161	rBV2	864	2428	0.15%	0.024%
61	6.218	1167	1169	1173	rBV2	614	650	0.04%	0.007%
62	6.312	1177	1187	1195	rVB2	874	2419	0.15%	0.024%
63	6.375	1195	1199	1205	rBV2	622	909	0.05%	0.009%
64	6.443	1205	1212	1217	rBV2	705	1461	0.09%	0.015%
65	6.506	1217	1224	1247	rVV	1317670	1471166	88.82%	14.749%
66	6.637	1247	1249	1255	rVV2	399	514	0.03%	0.005%
67	6.705	1255	1262	1265	rVB2	875	1256	0.08%	0.013%
68	6.779	1265	1276	1277	rBV2	686	1605	0.10%	0.016%
69	6.904	1291	1300	1307	rBV2	1161	2414	0.15%	0.024%
70	7.077	1319	1333	1345	rBV	1124802	1167095	70.46%	11.700%
71	7.161	1345	1349	1351	rVB3	832	677	0.04%	0.007%
72	7.198	1351	1356	1359	rBV3	812	1102	0.07%	0.011%
73	7.256	1359	1367	1369	rVB3	836	1477	0.09%	0.015%
74	7.277	1369	1371	1375	rBV2	772	930	0.06%	0.009%
75	7.329	1375	1381	1385	rVB2	852	1051	0.06%	0.011%
76	7.408	1385	1396	1405	rBV4	1029	2676	0.16%	0.027%
77	7.518	1405	1417	1423	rVB3	1041	3177	0.19%	0.032%
78	7.586	1423	1430	1441	rBV	1713780	1656316	100.00%	16.605%
79	7.717	1449	1455	1461	rBV3	493	604	0.04%	0.006%
80	7.759	1461	1463	1467	rBV	555	454	0.03%	0.005%
81	7.859	1473	1482	1485	rVB5	1179	2526	0.15%	0.025%
82	7.906	1485	1491	1495	rBV3	1006	1634	0.10%	0.016%
83	8.021	1505	1513	1517	rBV3	1243	2031	0.12%	0.020%
84	8.121	1525	1532	1535	rBV2	861	467	0.03%	0.005%
85	8.189	1535	1545	1547	rBV4	760	1258	0.08%	0.013%

LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\michaellab\11-28-2024\V2S292\
Data File : 2S011155.D
Acq On : 27 Nov 2024 12:32 pm
Operator : KevinA
Sample : mb
Misc : MS46075,V2S292,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 100

Method : C:\msdchem\1\methods\m2s228.m
Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um

86	8.247	1549	1556	1559	rVB5	1024	1774	0.11%	0.018%
87	8.283	1559	1563	1567	rBV2	855	715	0.04%	0.007%
88	8.341	1569	1574	1581	rVB3	913	1416	0.09%	0.014%
89	8.420	1581	1589	1591	rBV4	1331	2613	0.16%	0.026%
90	8.477	1597	1600	1603	rBV3	803	784	0.05%	0.008%
91	8.582	1603	1620	1623	rBV6	1334	3630	0.22%	0.036%
92	8.640	1627	1631	1637	rVV6	1265	2040	0.12%	0.020%
93	8.682	1637	1639	1643	rVV4	1170	1151	0.07%	0.012%
94	8.729	1643	1648	1651	rVB5	1728	2382	0.14%	0.024%
95	8.802	1657	1662	1669	rBV5	1080	1737	0.10%	0.017%
96	8.871	1669	1675	1679	rBV4	1050	2836	0.17%	0.028%
97	8.949	1679	1690	1691	rBV7	1663	2397	0.14%	0.024%
98	8.965	1691	1693	1695	rVV3	1116	575	0.03%	0.006%
99	9.154	1719	1729	1737	rBV9	3327	13361	0.81%	0.134%
100	9.243	1739	1746	1751	rVV8	1673	3734	0.23%	0.037%

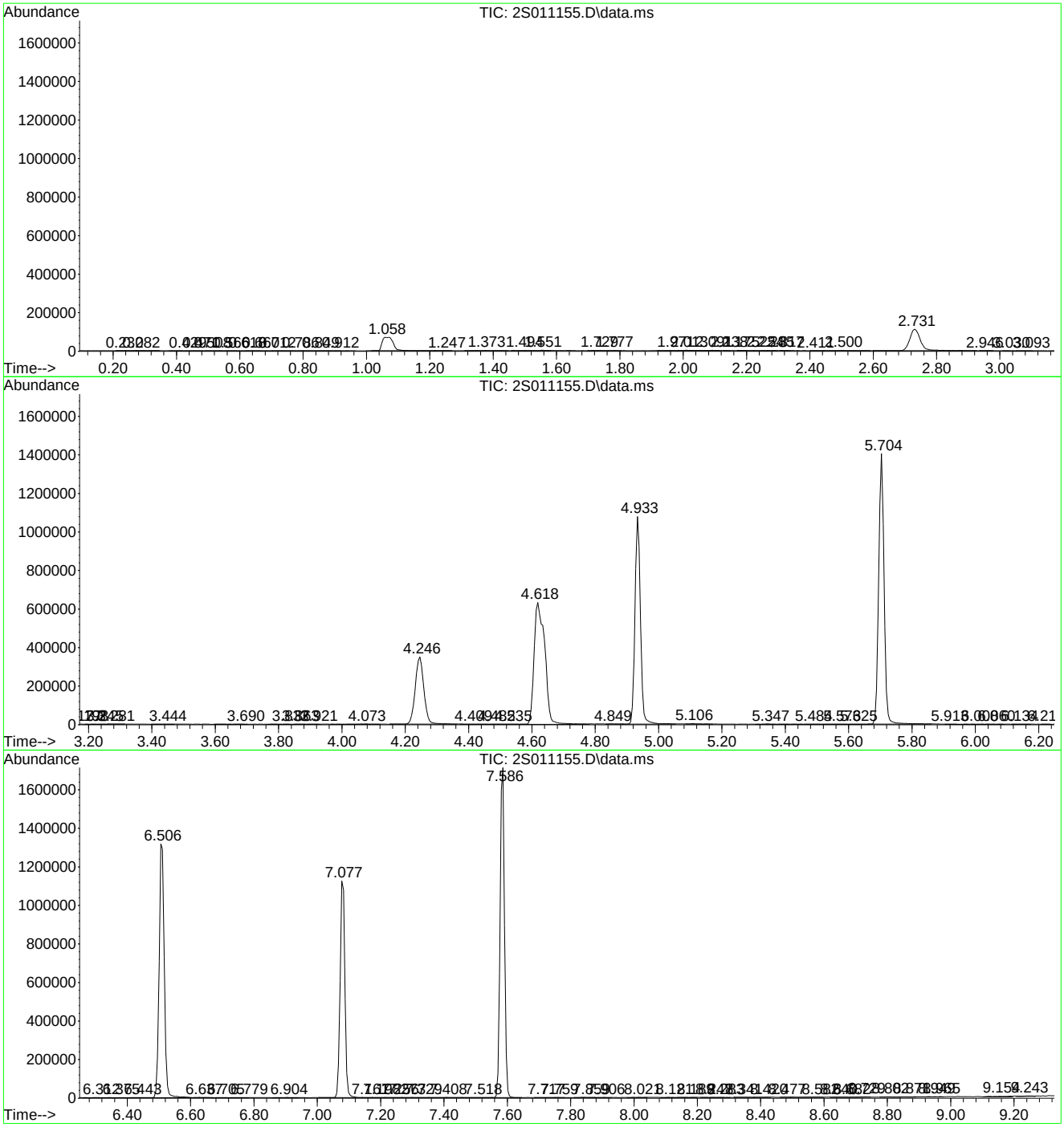
Sum of corrected areas: 9974874

LSC Report - Integrated Chromatogram

Data Path : X:\Dayton VOA GCMS\michaellab\11-28-2024\V2S292\
Data File : 2S011155.D
Acq On : 27 Nov 2024 12:32 pm
Operator : KevinA
Sample : mb
Misc : MS46075,V2S292,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\m2s228.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: lscint.p



Library Search Compound Report

Data Path : X:\Dayton VOA GCMS\michaellab\11-28-2024\V2S292\
Data File : 2S011155.D
Acq On : 27 Nov 2024 12:32 pm
Operator : KevinA
Sample : mb
Misc : MS46075,V2S292,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\m2s228.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um

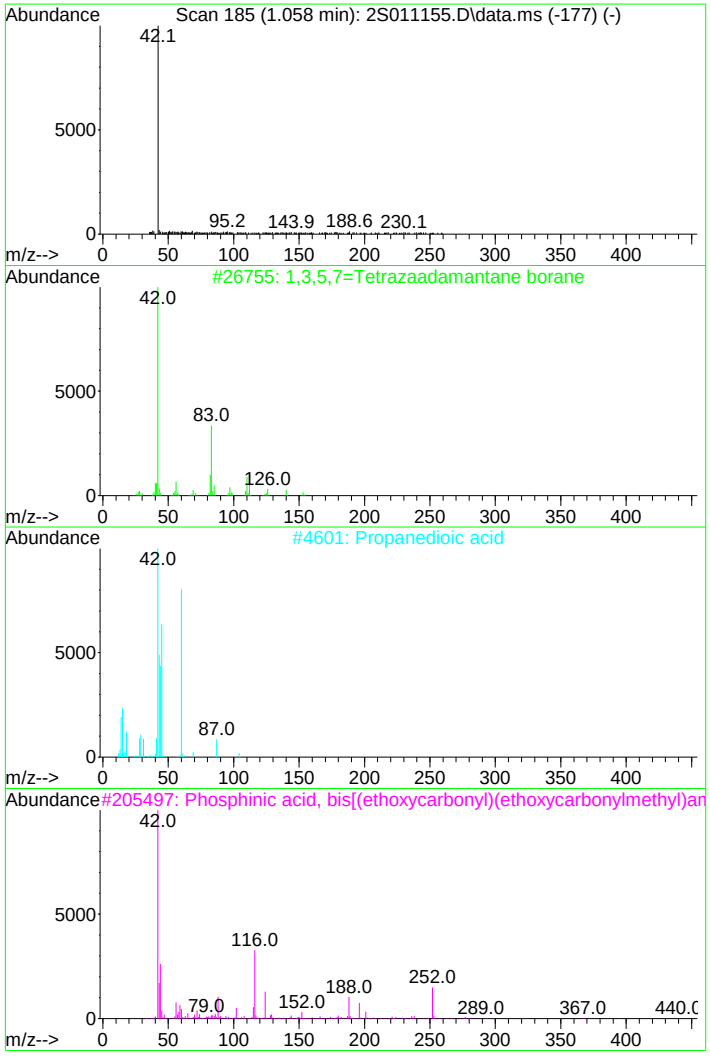
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: lscint.p

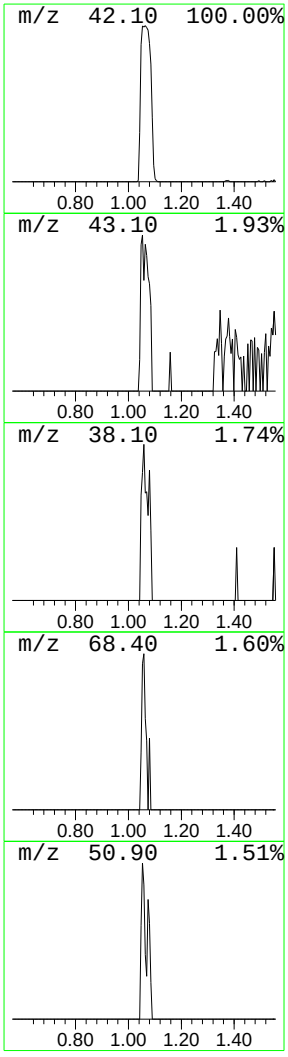
****

Peak Number 1 system artifact Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.058	5.74 ug/L	169437	pentafluorobenzene	4.618

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,5,7=Tetrazaadamantane borane	154	C6H15BN4	1000153-69-4	45
2	Propanedioic acid	104	C3H4O4	000141-82-2	9
3	Phosphinic acid, bis[(ethoxycarb...	440	C16H29N2O10P	1000273-12-8	9
4	Boron, ethyl[ethyltriselenoperbo...	460	C10H22B2N4Se3	124176-86-9	9
5	3,3-Di[5-barbituryl]oxindole	385	C16H11N5O7	1000253-27-3	9





Tentatively Identified Compound (LSC) summary

Data Path : X:\Dayton VOA GCMS\michaellab\11-28-2024\V2S292\
Data File : 2S011155.D
Acq On : 27 Nov 2024 12:32 pm
Operator : KevinA
Sample : mb
Misc : MS46075,V2S292,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\m2s228.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: lscint.p

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
system artifact	1.058	5.7	ug/L	169437	2	4.618	1476080	50.0

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\120224\V3C8319\
Data File : 3C191295.D
Acq On : 2 Dec 2024 2:00 pm
Operator : PrashanS
Sample : MB Inst : GCMS3C
Misc : MS46186,V3C8319,5.0,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 02 21:07:45 2024
Quant Method : C:\msdchem\1\methods\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
QLast Update : Mon Aug 19 09:54:16 2024
Response via : Initial Calibration

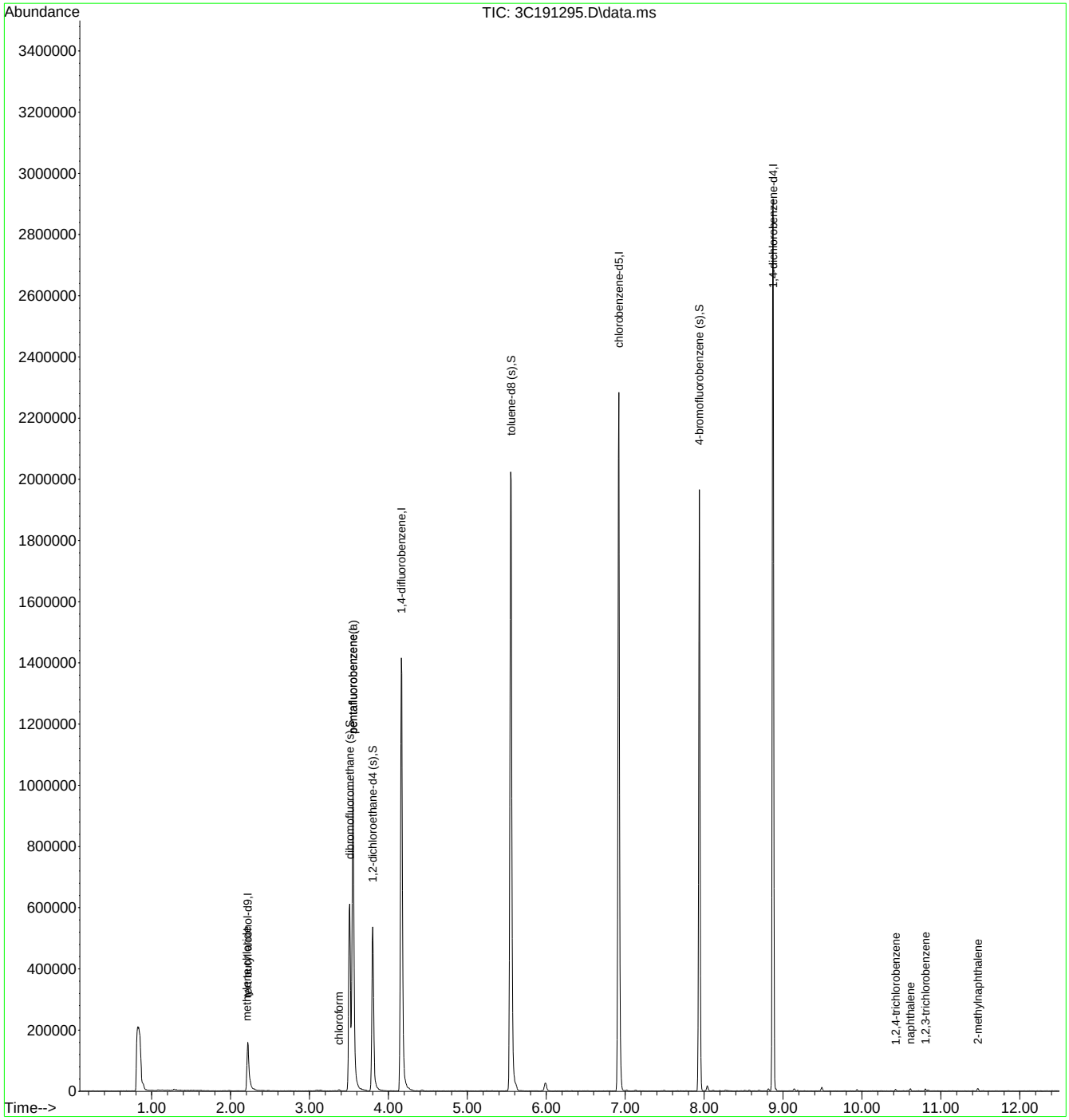
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.217	65	152406	500.00	ug/L	0.00
5) pentafluorobenzene	3.550	168	643123	50.00	ug/L	0.00
50) 1,4-difluorobenzene	4.162	114	1063555	50.00	ug/L	0.00
72) chlorobenzene-d5	6.919	117	1010008	50.00	ug/L	0.00
95) 1,4-dichlorobenzene-d4	8.875	152	564305	50.00	ug/L	0.00
123) pentafluorobenzene(a)	3.550	168	643123	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	3.509	113	317048	46.31	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 92.62%			
51) 1,2-dichloroethane-d4 (s)	3.801	65	318078	48.96	ug/L	0.00
Spiked Amount 50.000	Range 75 - 133		Recovery = 97.92%			
73) toluene-d8 (s)	5.554	98	1240541	45.20	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 90.40%			
96) 4-bromofluorobenzene (s)	7.939	95	451255	42.83	ug/L	0.00
Spiked Amount 50.000	Range 58 - 148		Recovery = 85.66%			
Target Compounds						Qvalue
22) methylene chloride	2.206	84	1472	0.2886	ug/L	81
40) chloroform	3.373	83	2711	0.3174	ug/L	69
116) 1,2,4-trichlorobenzene	10.428	180	1664	0.2235	ug/L	99
118) naphthalene	10.611	128	5621	0.3045	ug/L	98
119) 1,2,3-trichlorobenzene	10.805	180	2190	0.3224	ug/L	91
122) 2-methylnaphthalene	11.469	142	3658	0.3605	ug/L	85

(#) = qualifier out of range (m) = manual integration (+) = signals summed

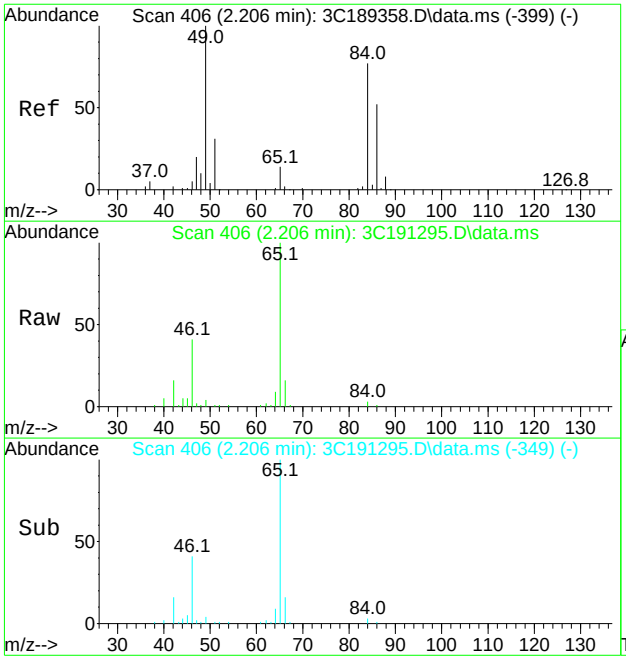
Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\120224\V3C8319\
Data File : 3C191295.D
Acq On : 2 Dec 2024 2:00 pm
Operator : PrashanS
Sample : MB Inst : GCMS3C
Misc : MS46186,V3C8319,5.0,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 02 21:07:45 2024
Quant Method : C:\msdchem\1\methods\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
QLast Update : Mon Aug 19 09:54:16 2024
Response via : Initial Calibration



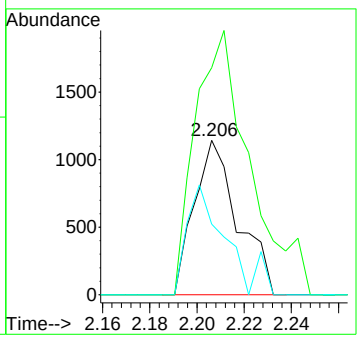
M3C8247.M Mon Dec 02 21:21:15 2024 Page: 2

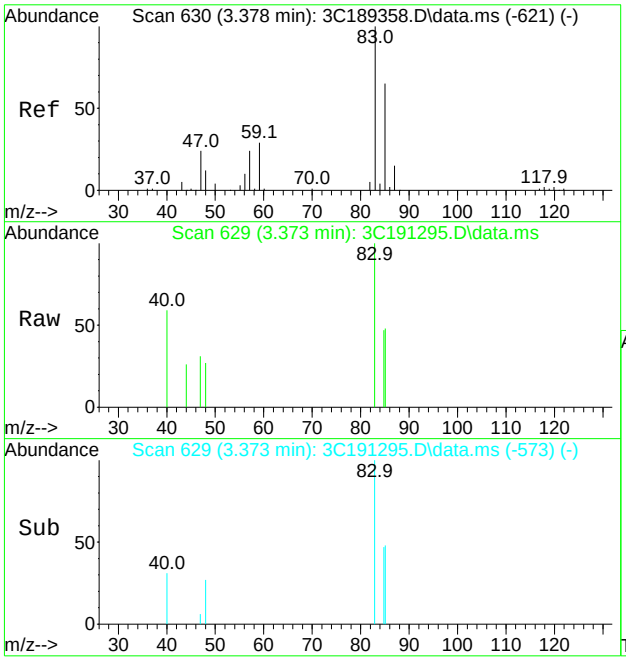


#22
methylene chloride
Concen: 0.2886 ug/L
RT: 2.206 min Scan# 406
Delta R.T. 0.000 min
Lab File: 3C191295.D
Acq: 2 Dec 2024 2:00 pm

Tgt Ion: 84 Resp: 1472

Ion	Ratio	Lower	Upper
84	100		
49	147.2	100.3	160.3
86	45.8	37.9	97.9

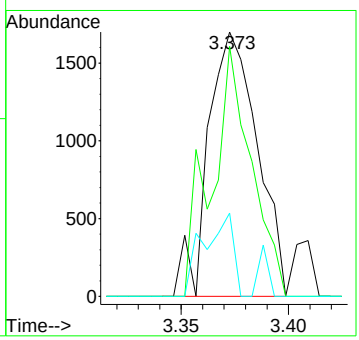


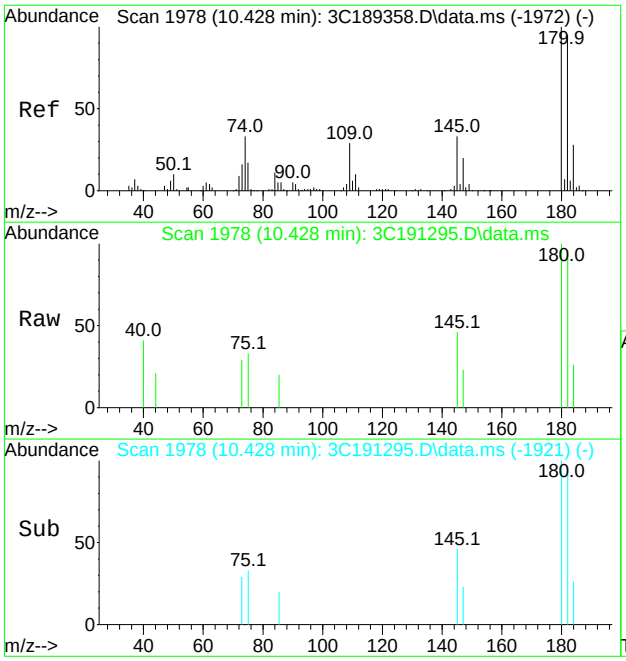


#40
chloroform
Concen: 0.3174 ug/L
RT: 3.373 min Scan# 629
Delta R.T. -0.005 min
Lab File: 3C191295.D
Acq: 2 Dec 2024 2:00 pm

Tgt Ion: 83 Resp: 2711

Ion	Ratio	Lower	Upper
83	100		
85	94.6	34.9	94.9
47	31.5	0.0	55.3

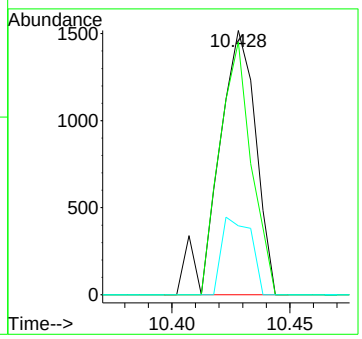


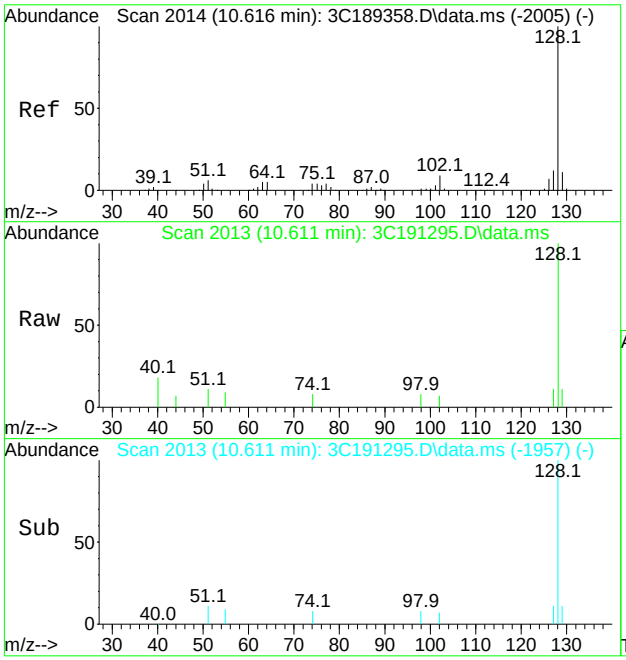


#116
1,2,4-trichlorobenzene
Concen: 0.2235 ug/L
RT: 10.428 min Scan# 1978
Delta R.T. 0.000 min
Lab File: 3C191295.D
Acq: 2 Dec 2024 2:00 pm

Tgt Ion:180 Resp: 1664

Ion	Ratio	Lower	Upper
180	100		
182	95.7	64.7	124.7
184	26.1	0.0	57.6

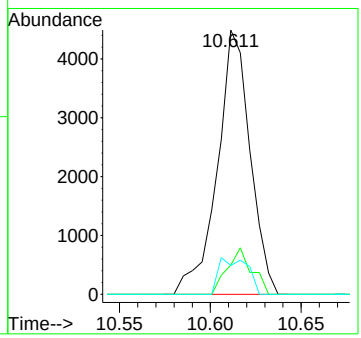


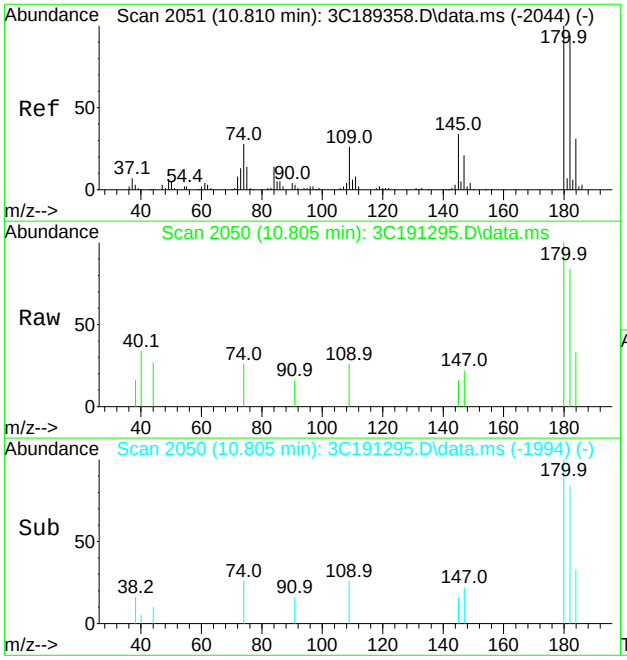


#118
naphthalene
Concen: 0.3045 ug/L
RT: 10.611 min Scan# 2013
Delta R.T. -0.005 min
Lab File: 3C191295.D
Acq: 2 Dec 2024 2:00 pm

Tgt Ion:128 Resp: 5621

Ion	Ratio	Lower	Upper
128	100		
129	11.1	0.0	41.1
127	10.9	0.0	42.2

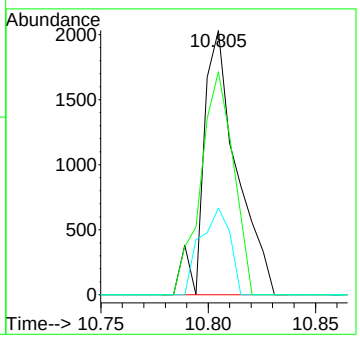


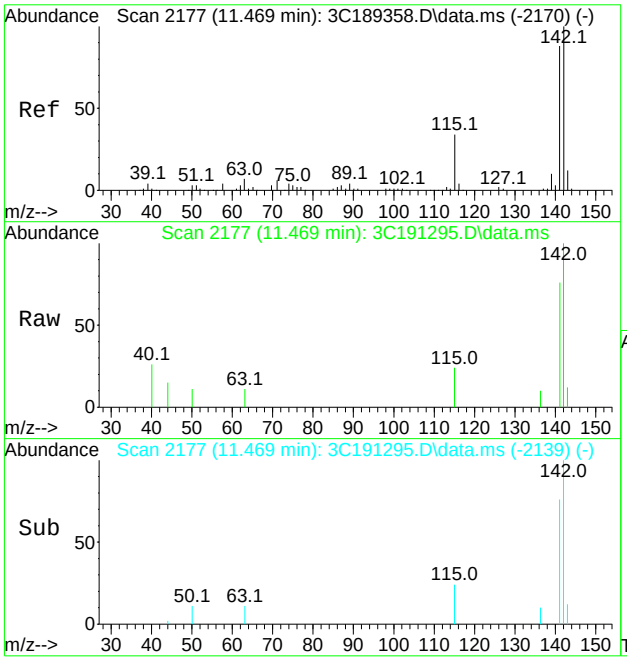


#119
1,2,3-trichlorobenzene
Concen: 0.3224 ug/L
RT: 10.805 min Scan# 2050
Delta R.T. -0.005 min
Lab File: 3C191295.D
Acq: 2 Dec 2024 2:00 pm

Tgt Ion:180 Resp: 2190

Ion	Ratio	Lower	Upper
180	100		
182	84.4	64.4	124.4
184	32.9	1.0	61.0

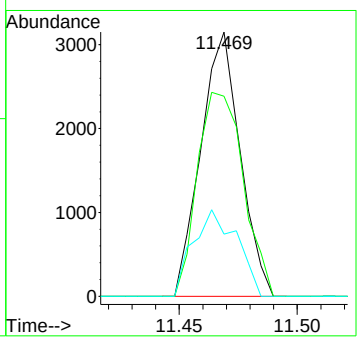




#122
2-methylnaphthalene
Concen: 0.3605 ug/L
RT: 11.469 min Scan# 2177
Delta R.T. -0.000 min
Lab File: 3C191295.D
Acq: 2 Dec 2024 2:00 pm

Tgt Ion:142 Resp: 3658

Ion	Ratio	Lower	Upper
142	100		
141	75.7	68.4	108.4
115	23.5	14.0	54.0



LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\kristelv\120224\V3C8319\
Data File : 3C191295.D
Acq On : 2 Dec 2024 2:00 pm
Operator : PrashanS
Sample : MB
Misc : MS46186,V3C8319,5.0,,,,1
ALS Vial : 8 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M3C8247.M
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

Signal : TIC: 3C191295.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	0.716	116	121	124	rBV2	1365	1693	0.05%	0.008%
2	0.825	133	142	172	rBV3	210253	751927	21.88%	3.773%
3	1.082	188	191	193	rBV2	2449	2922	0.09%	0.015%
4	1.129	199	200	207	rVB3	1632	2239	0.07%	0.011%
5	1.249	221	223	226	rBV2	1677	1621	0.05%	0.008%
6	1.280	226	229	234	rVV2	4259	5113	0.15%	0.026%
7	1.458	261	263	268	rVB2	2299	2492	0.07%	0.013%
8	1.495	268	270	271	rBV	2188	1360	0.04%	0.007%
9	1.709	307	311	317	rVB2	1430	2305	0.07%	0.012%
10	1.924	349	352	356	rVB2	1212	1553	0.05%	0.008%
11	1.981	359	363	366	rBV2	2048	2902	0.08%	0.015%
12	2.217	400	408	432	rVV	158828	327645	9.53%	1.644%
13	2.823	521	524	529	rVB	1367	1454	0.04%	0.007%
14	2.959	547	550	554	rVB	1371	1574	0.05%	0.008%
15	2.991	554	556	562	rBV2	2152	2688	0.08%	0.013%
16	3.095	569	576	580	rBV2	3268	6184	0.18%	0.031%
17	3.142	580	585	593	rVB3	4156	6308	0.18%	0.032%
18	3.200	593	596	602	rVB2	1088	1969	0.06%	0.010%
19	3.373	623	629	637	rVB2	4485	6632	0.19%	0.033%
20	3.509	647	655	658	rBV	611311	957671	27.86%	4.805%
21	3.550	658	663	692	rVB	1019724	1825162	53.10%	9.158%
22	3.801	702	711	729	rBV	536316	915061	26.62%	4.592%
23	4.032	751	755	761	rVB2	1994	2931	0.09%	0.015%
24	4.162	771	780	815	rVB	1415764	2461370	71.61%	12.351%
25	4.356	815	817	821	rVB	2119	1856	0.05%	0.009%
26	4.424	825	830	839	rVB4	3812	7975	0.23%	0.040%
27	4.706	880	884	886	rBV	1706	1920	0.06%	0.010%
28	4.743	886	891	893	rVV	1302	1661	0.05%	0.008%
29	4.764	893	895	899	rVV2	1086	1270	0.04%	0.006%
30	4.910	918	923	926	rVV2	1235	1696	0.05%	0.009%
31	4.994	938	939	947	rVV	1599	1892	0.06%	0.009%
32	5.313	995	1000	1004	rBV2	1523	2165	0.06%	0.011%
33	5.486	1029	1033	1035	rBV	1963	1596	0.05%	0.008%
34	5.548	1035	1045	1066	rBV	2023327	3399203	98.89%	17.057%
35	5.820	1093	1097	1098	rVV2	1317	1487	0.04%	0.007%
36	5.857	1101	1104	1106	rVV	1415	1354	0.04%	0.007%
37	5.878	1106	1108	1112	rVB2	1287	1473	0.04%	0.007%
38	5.988	1118	1129	1140	rBV	26681	58098	1.69%	0.292%
39	6.118	1147	1154	1156	rVB2	1490	1849	0.05%	0.009%
40	6.207	1168	1171	1175	rVB2	1205	1317	0.04%	0.007%

LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\kristelv\120224\V3C8319\
Data File : 3C191295.D
Acq On : 2 Dec 2024 2:00 pm
Operator : PrashanS
Sample : MB
Misc : MS46186,V3C8319,5.0,,,,1
ALS Vial : 8 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M3C8247.M
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

41	6.260	1175	1181	1187	rBV2	1493	3105	0.09%	0.016%
42	6.328	1190	1194	1195	rVB	1873	1433	0.04%	0.007%
43	6.464	1217	1220	1223	rVV2	1092	1488	0.04%	0.007%
44	6.532	1227	1233	1238	rVB2	1430	2500	0.07%	0.013%
45	6.798	1282	1284	1290	rBV2	1023	1441	0.04%	0.007%
46	6.919	1298	1307	1323	rVV	2283117	3102739	90.27%	15.569%
47	7.018	1323	1326	1337	rVB3	4192	5851	0.17%	0.029%
48	7.128	1342	1347	1353	rVB3	2948	4482	0.13%	0.022%
49	7.185	1354	1358	1362	rVB2	1384	2305	0.07%	0.012%
50	7.499	1413	1418	1422	rVB3	2378	3707	0.11%	0.019%
51	7.609	1432	1439	1442	rBV2	1349	2448	0.07%	0.012%
52	7.667	1447	1450	1452	rBV	1893	1872	0.05%	0.009%
53	7.703	1454	1457	1460	rVB2	1527	1473	0.04%	0.007%
54	7.771	1466	1470	1475	rVB2	2103	2931	0.09%	0.015%
55	7.939	1492	1502	1511	rVV	1965855	2389817	69.53%	11.992%
56	8.001	1511	1514	1517	rVV	1815	2221	0.06%	0.011%
57	8.038	1517	1521	1532	rVV5	17677	25731	0.75%	0.129%
58	8.106	1532	1534	1541	rVB4	2342	3658	0.11%	0.018%
59	8.200	1548	1552	1555	rVB2	2681	2555	0.07%	0.013%
60	8.268	1561	1565	1569	rVV2	3746	5192	0.15%	0.026%
61	8.299	1569	1571	1574	rVV	2928	2056	0.06%	0.010%
62	8.320	1574	1575	1582	rVB2	1265	1810	0.05%	0.009%
63	8.415	1586	1593	1597	rBV2	1678	2345	0.07%	0.012%
64	8.462	1597	1602	1608	rVV2	913	1739	0.05%	0.009%
65	8.514	1608	1612	1619	rVB2	2849	4529	0.13%	0.023%
66	8.571	1619	1623	1627	rBV	3468	4211	0.12%	0.021%
67	8.645	1627	1637	1640	rBV2	906	1872	0.05%	0.009%
68	8.692	1640	1646	1651	rVV3	3035	4340	0.13%	0.022%
69	8.812	1664	1669	1674	rVV5	7359	8490	0.25%	0.043%
70	8.875	1674	1681	1692	rVB	2915367	3437346	100.00%	17.248%
71	8.990	1700	1703	1706	rBV2	1256	1499	0.04%	0.008%
72	9.142	1727	1732	1737	rVB3	7444	10497	0.31%	0.053%
73	9.183	1737	1740	1744	rBV2	3194	3248	0.09%	0.016%
74	9.272	1755	1757	1763	rVB2	1931	1832	0.05%	0.009%
75	9.346	1768	1771	1775	rVB2	1254	1379	0.04%	0.007%
76	9.424	1781	1786	1787	rVB	1135	1541	0.04%	0.008%
77	9.492	1789	1799	1805	rVV2	12695	16861	0.49%	0.085%
78	9.785	1850	1855	1860	rBV2	899	1616	0.05%	0.008%
79	9.853	1863	1868	1871	rVB	1133	1445	0.04%	0.007%
80	9.937	1877	1884	1890	rBV2	5594	6987	0.20%	0.035%
81	9.999	1894	1896	1900	rBV2	1497	1294	0.04%	0.006%
82	10.046	1900	1905	1910	rVB2	1265	2032	0.06%	0.010%
83	10.135	1919	1922	1926	rVB	1006	1356	0.04%	0.007%
84	10.177	1929	1930	1935	rVB	1220	1449	0.04%	0.007%
85	10.240	1940	1942	1946	rVB2	1408	1721	0.05%	0.009%

LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\kristelv\120224\V3C8319\
Data File : 3C191295.D
Acq On : 2 Dec 2024 2:00 pm
Operator : PrashanS
Sample : MB
Misc : MS46186,V3C8319,5.0,,,,1
ALS Vial : 8 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M3C8247.M
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

86	10.282	1946	1950	1952	rBV	1544	1515	0.04%	0.008%
87	10.423	1974	1977	1986	rBV3	5840	6682	0.19%	0.034%
88	10.528	1991	1997	2001	rBV2	1666	2942	0.09%	0.015%
89	10.569	2001	2005	2008	rVV2	1169	1271	0.04%	0.006%
90	10.616	2008	2014	2020	rVB2	7703	9122	0.27%	0.046%
91	10.805	2042	2050	2054	rBV3	7334	9455	0.28%	0.047%
92	10.836	2054	2056	2063	rVB3	3741	4337	0.13%	0.022%
93	11.155	2113	2117	2124	rBV2	1141	1986	0.06%	0.010%
94	11.406	2161	2165	2172	rVB2	1734	2326	0.07%	0.012%
95	11.464	2172	2176	2185	rVB2	8513	11842	0.34%	0.059%
96	11.851	2247	2250	2255	rVB	889	1711	0.05%	0.009%
97	11.914	2256	2262	2265	rVB	1284	1425	0.04%	0.007%
98	11.945	2265	2268	2274	rBV2	636	1262	0.04%	0.006%
99	12.337	2341	2343	2349	rBV	1138	1390	0.04%	0.007%
100	12.405	2353	2356	2360	rVB2	1499	1370	0.04%	0.007%

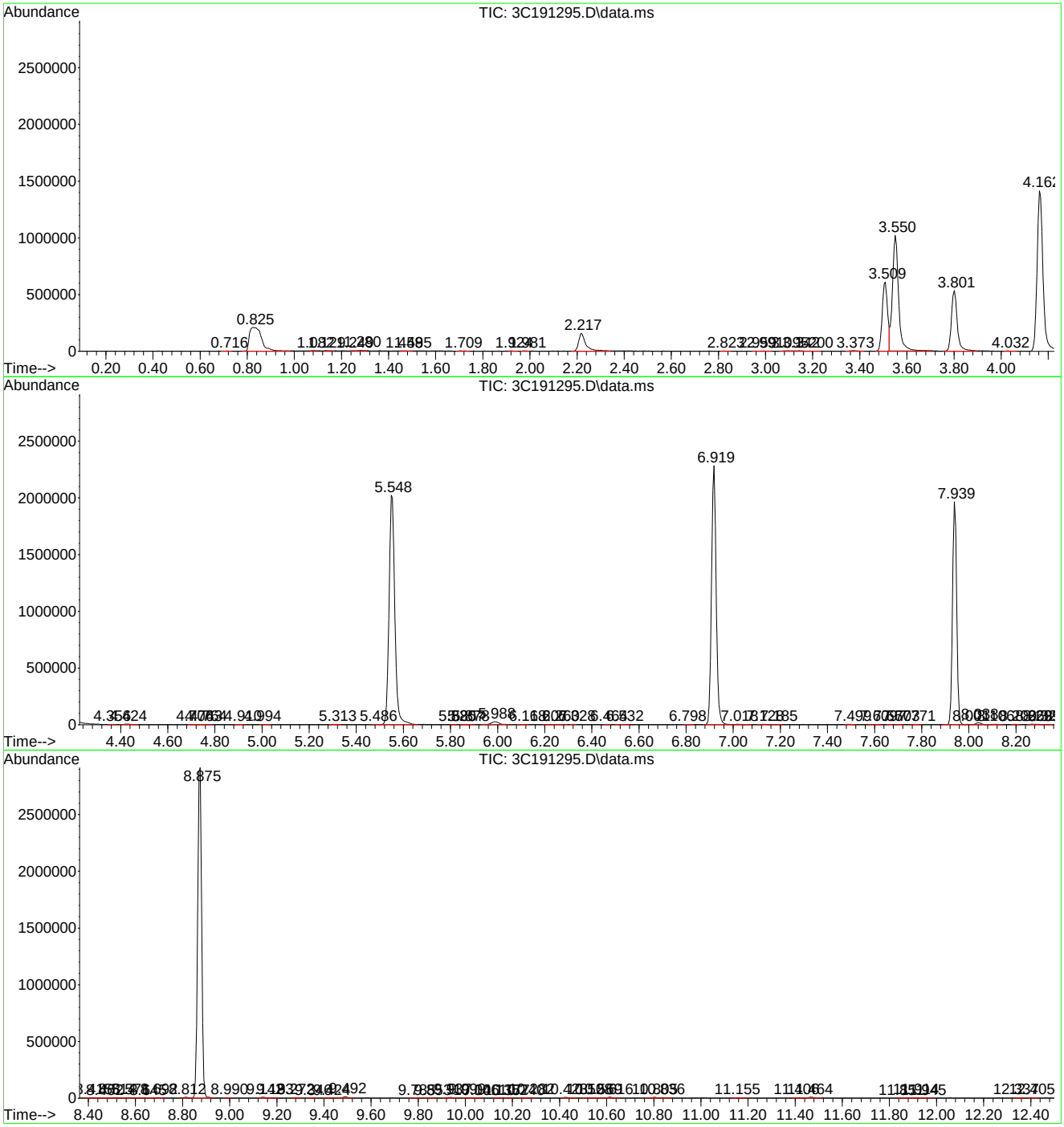
Sum of corrected areas: 19928668

LSC Report - Integrated Chromatogram

Data Path : X:\Dayton VOA GCMS\kristelv\120224\V3C8319\
Data File : 3C191295.D
Acq On : 2 Dec 2024 2:00 pm
Operator : PrashanS
Sample : MB
Misc : MS46186,V3C8319,5.0,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p



Library Search Compound Report

Data Path : X:\Dayton VOA GCMS\kristelv\120224\V3C8319\
Data File : 3C191295.D
Acq On : 2 Dec 2024 2:00 pm
Operator : PrashanS
Sample : MB
Misc : MS46186,V3C8319,5.0,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

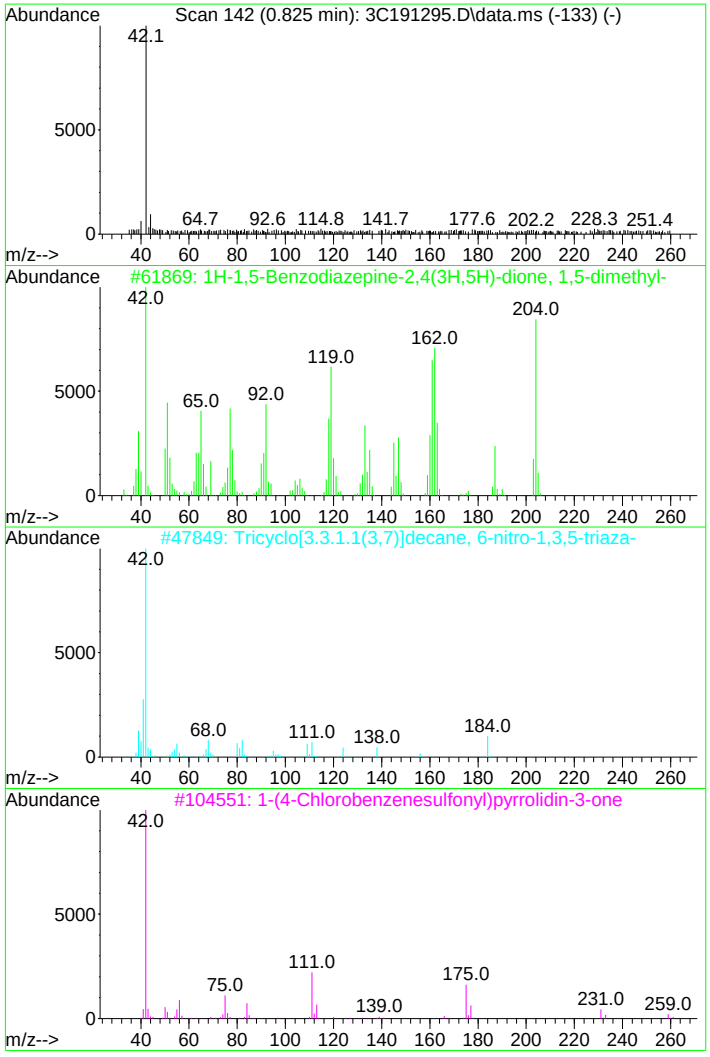
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

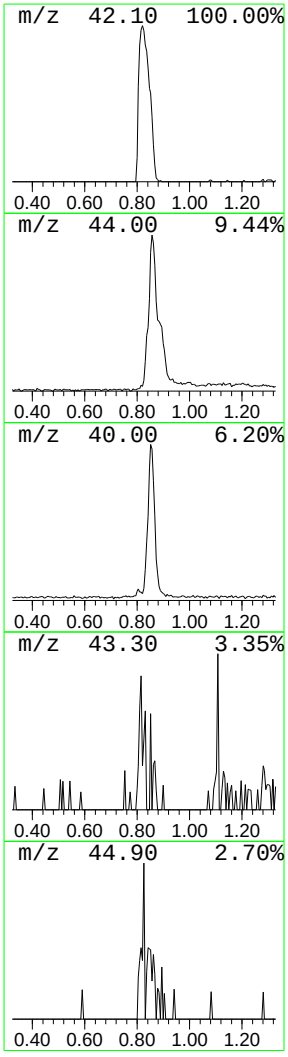
****

Peak Number 1 system artifact Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
0.825	20.60 ug/L	751927	pentafluorobenzene	3.550

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-1,5-Benzodiazepine-2,4(3H,5H)...	204	C11H12N2O2	023954-54-3	91
2	Tricyclo[3.3.1.1(3,7)]decane, 6-...	184	C7H12N4O2	1000310-09-5	50
3	1-(4-Chlorobenzenesulfonyl)pyrro...	259	C10H10ClNO3S	083132-99-4	50
4	Acetic acid, 2-(2-methyl-4-nitro...	245	C8H11N3O4S	1000267-54-4	40
5	1,3,5,7-Tetraazabicyclo[3.3.1]no...	186	C5H10N6O2	000101-25-7	40





Tentatively Identified Compound (LSC) summary

Data Path : X:\Dayton VOA GCMS\kristelv\120224\V3C8319\
Data File : 3C191295.D
Acq On : 2 Dec 2024 2:00 pm
Operator : PrashanS
Sample : MB
Misc : MS46186,V3C8319,5.0,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
system artifact	0.825	20.6	ug/L	751927	2	3.550	1825160	50.0

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Dec 2024\12-03-24\VY9149\
Data File : Y211514.d
Acq On : 2 Dec 2024 4:23 pm
Operator : PrashanS
Sample : MB Inst : GCMSY
Misc : MS46186,VY9149,5.0,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 03 06:52:23 2024
Quant Method : C:\msdchem\1\methods\MY9125.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
QLast Update : Mon Nov 04 11:44:01 2024
Response via : Initial Calibration

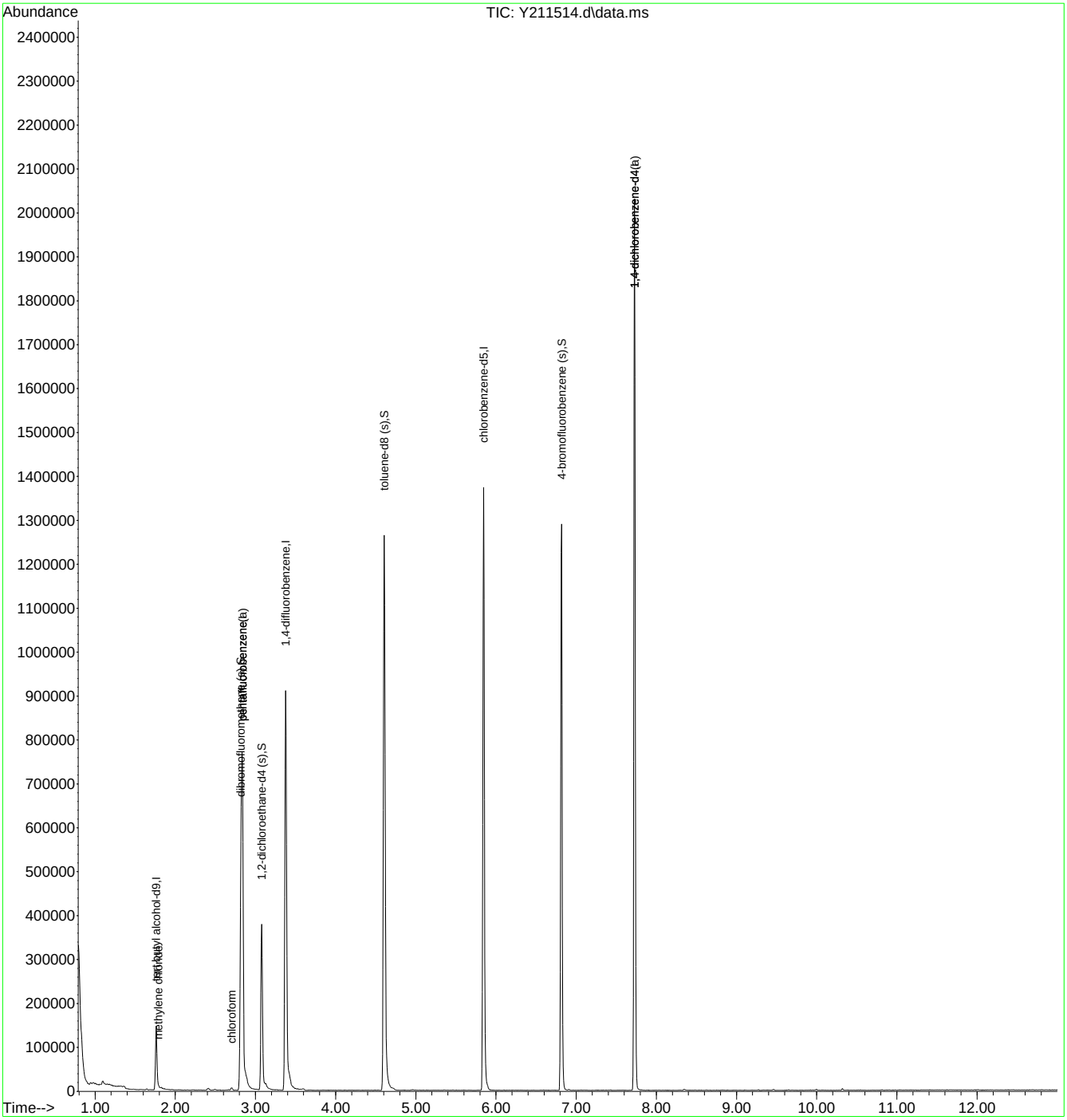
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	1.760	65	112931	500.00	ug/L	0.00
5) pentafluorobenzene	2.838	168	416179	50.00	ug/L	0.00
50) 1,4-difluorobenzene	3.376	114	627973	50.00	ug/L	0.00
72) chlorobenzene-d5	5.845	117	587617	50.00	ug/L	0.00
95) 1,4-dichlorobenzene-d4	7.728	152	390993	50.00	ug/L	0.00
123) pentafluorobenzene(a)	2.838	168	416179	50.00	ug/L	0.00
126) 1,4-dichlorobenzene-d4(a)	7.728	152	390993	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	2.817	113	201428	45.72	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 91.44%			
51) 1,2-dichloroethane-d4 (s)	3.078	65	205854	43.72	ug/L	0.00
Spiked Amount 50.000	Range 75 - 133		Recovery = 87.44%			
73) toluene-d8 (s)	4.605	98	719984	46.42	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 92.84%			
96) 4-bromofluorobenzene (s)	6.818	95	307558	45.65	ug/L	0.00
Spiked Amount 50.000	Range 58 - 148		Recovery = 91.30%			
Target Compounds						Qvalue
22) methylene chloride	1.786	84	1156	0.2455	ug/L #	71
40) chloroform	2.702	83	3192	0.4029	ug/L	97

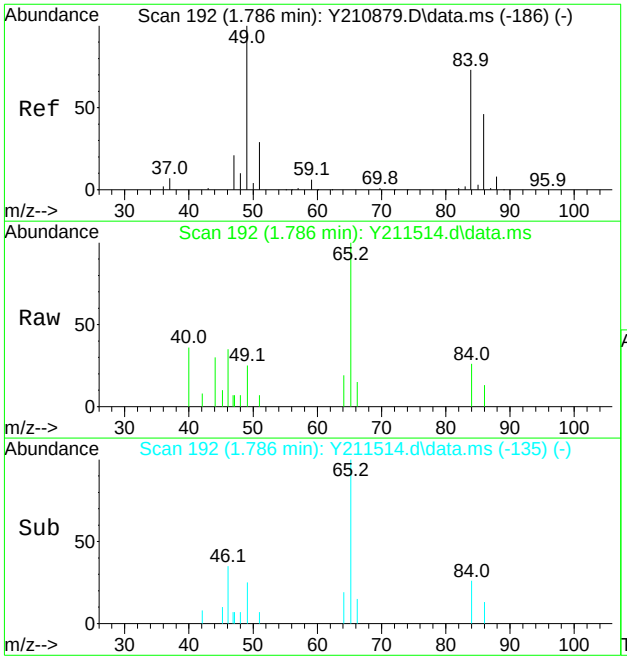
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Dec 2024\12-03-24\VY9149\
Data File : Y211514.d
Acq On : 2 Dec 2024 4:23 pm
Operator : PrashanS
Sample : MB Inst : GCMSY
Misc : MS46186,VY9149,5.0,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 03 06:52:23 2024
Quant Method : C:\msdchem\1\methods\MY9125.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
QLast Update : Mon Nov 04 11:44:01 2024
Response via : Initial Calibration

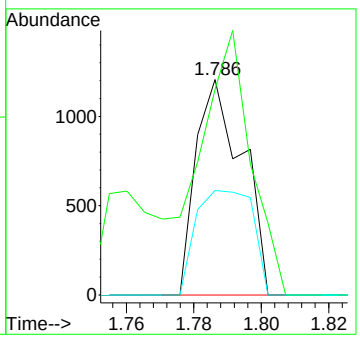


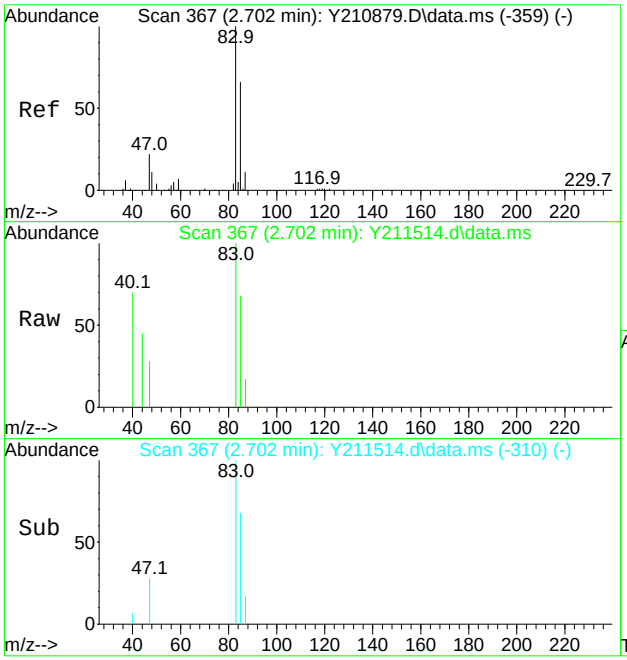


#22
methylene chloride
Concen: 0.2455 ug/L
RT: 1.786 min Scan# 192
Delta R.T. 0.000 min
Lab File: Y211514.d
Acq: 2 Dec 2024 4:23 pm

Tgt Ion: 84 Resp: 1156

Ion	Ratio	Lower	Upper
84	100		
49	95.4	106.8	166.8#
86	48.5	32.7	92.7

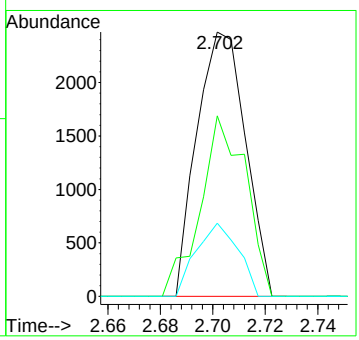




#40
chloroform
Concen: 0.4029 ug/L
RT: 2.702 min Scan# 367
Delta R.T. -0.000 min
Lab File: Y211514.d
Acq: 2 Dec 2024 4:23 pm

Tgt Ion: 83 Resp: 3192

Ion	Ratio	Lower	Upper
83	100		
85	68.3	35.6	95.6
47	27.7	0.0	56.8



LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\rosanlie\Dec 2024\12-03-24\VY9149\
Data File : Y211514.d
Acq On : 2 Dec 2024 4:23 pm
Operator : PrashanS
Sample : MB
Misc : MS46186,VY9149,5.0,,,,1
ALS Vial : 6 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\MY9125.M
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

Signal : TIC: Y211514.d\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.096	56	60	69	rBV3	8178	12932	0.55%	0.108%
2	1.645	162	165	169	rVB3	2934	3126	0.13%	0.026%
3	1.692	169	174	176	rBV2	1070	1774	0.08%	0.015%
4	1.760	181	187	206	rBV	145921	218147	9.28%	1.827%
5	2.043	239	241	244	rBV2	1006	809	0.03%	0.007%
6	2.069	244	246	248	rVB2	1273	937	0.04%	0.008%
7	2.116	252	255	257	rBV	974	992	0.04%	0.008%
8	2.147	258	261	267	rVB2	663	1002	0.04%	0.008%
9	2.283	285	287	290	rBV2	879	881	0.04%	0.007%
10	2.409	303	311	319	rVB2	4503	8799	0.37%	0.074%
11	2.492	319	327	333	rBV3	2554	4828	0.21%	0.040%
12	2.592	341	346	348	rBV2	1227	2052	0.09%	0.017%
13	2.639	351	355	357	rVV2	1095	1513	0.06%	0.013%
14	2.660	358	359	363	rVV3	1765	1515	0.06%	0.013%
15	2.702	363	367	373	rVB3	5929	9113	0.39%	0.076%
16	2.738	373	374	380	rBV2	828	1457	0.06%	0.012%
17	2.832	382	392	424	rBV2	769779	1808804	76.94%	15.149%
18	3.078	432	439	465	rVB	377263	571999	24.33%	4.790%
19	3.376	489	496	523	rBV	909883	1436909	61.12%	12.034%
20	3.591	534	537	546	rVB3	3461	6272	0.27%	0.053%
21	3.680	552	554	561	rVB2	1276	2288	0.10%	0.019%
22	3.727	561	563	567	rBV	761	1153	0.05%	0.010%
23	3.952	600	606	607	rVB2	705	1090	0.05%	0.009%
24	4.156	642	645	648	rBV2	809	825	0.04%	0.007%
25	4.197	652	653	658	rVB2	822	1044	0.04%	0.009%
26	4.443	696	700	704	rVB2	769	1025	0.04%	0.009%
27	4.490	704	709	711	rBV2	1351	1352	0.06%	0.011%
28	4.527	711	716	722	rVB2	1023	1253	0.05%	0.010%
29	4.605	722	731	762	rBV	1264094	1971157	83.84%	16.508%
30	4.956	793	798	804	rBV3	1877	3360	0.14%	0.028%
31	5.134	829	832	834	rVB2	1364	1113	0.05%	0.009%
32	5.155	834	836	841	rBV2	977	1518	0.06%	0.013%
33	5.463	892	895	898	rBV2	971	1042	0.04%	0.009%
34	5.735	943	947	948	rBV2	868	903	0.04%	0.008%
35	5.767	950	953	956	rVV2	1071	1380	0.06%	0.012%
36	5.793	956	958	960	rVV	1029	997	0.04%	0.008%
37	5.845	960	968	989	rVB	1373277	1806013	76.82%	15.125%
38	5.960	989	990	996	rBV2	969	1063	0.05%	0.009%
39	6.044	1004	1006	1011	rVB2	884	1112	0.05%	0.009%
40	6.101	1015	1017	1019	rVB	1535	917	0.04%	0.008%

LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\rosanlie\Dec 2024\12-03-24\VY9149\
Data File : Y211514.d
Acq On : 2 Dec 2024 4:23 pm
Operator : PrashanS
Sample : MB
Misc : MS46186,VY9149,5.0,,,,1
ALS Vial : 6 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\MY9125.M
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

41	6.133	1022	1023	1028	rBV2	1029	1413	0.06%	0.012%
42	6.206	1036	1037	1041	rBV2	972	977	0.04%	0.008%
43	6.363	1064	1067	1070	rVB2	832	892	0.04%	0.007%
44	6.384	1070	1071	1074	rBV2	1013	884	0.04%	0.007%
45	6.818	1145	1154	1168	rBV	1289769	1613437	68.63%	13.513%
46	6.907	1168	1171	1178	rVB3	2124	2964	0.13%	0.025%
47	6.970	1178	1183	1185	rVB2	810	1056	0.04%	0.009%
48	7.064	1194	1201	1205	rBV2	1354	2956	0.13%	0.025%
49	7.111	1205	1210	1213	rVB2	704	1233	0.05%	0.010%
50	7.200	1224	1227	1230	rBV2	843	851	0.04%	0.007%
51	7.309	1245	1248	1250	rVB	800	879	0.04%	0.007%
52	7.435	1268	1272	1274	rVB2	1176	1145	0.05%	0.010%
53	7.466	1274	1278	1281	rBV2	595	885	0.04%	0.007%
54	7.581	1296	1300	1305	rVB2	571	1177	0.05%	0.010%
55	7.618	1305	1307	1312	rVB2	747	810	0.03%	0.007%
56	7.665	1312	1316	1318	rBV2	976	1206	0.05%	0.010%
57	7.728	1318	1328	1343	rBV	2029460	2351067	100.00%	19.690%
58	7.958	1369	1372	1374	rVB2	1035	932	0.04%	0.008%
59	7.979	1374	1376	1378	rBV2	884	847	0.04%	0.007%
60	7.995	1378	1379	1384	rVV2	1108	1310	0.06%	0.011%
61	8.042	1384	1388	1391	rVV2	1058	1651	0.07%	0.014%
62	8.078	1393	1395	1398	rVV2	811	913	0.04%	0.008%
63	8.303	1431	1438	1442	rBV2	636	1295	0.06%	0.011%
64	8.345	1442	1446	1457	rVB3	2547	3722	0.16%	0.031%
65	8.481	1470	1472	1479	rVB	1223	1025	0.04%	0.009%
66	8.622	1497	1499	1506	rVB2	833	950	0.04%	0.008%
67	8.811	1532	1535	1537	rBV	706	813	0.03%	0.007%
68	8.884	1547	1549	1554	rBV	1065	1389	0.06%	0.012%
69	8.967	1563	1565	1568	rBV2	880	894	0.04%	0.007%
70	9.271	1619	1623	1629	rVB2	1658	1949	0.08%	0.016%
71	9.339	1629	1636	1641	rVV2	1029	1757	0.07%	0.015%
72	9.391	1641	1646	1649	rVV2	1062	1441	0.06%	0.012%
73	9.464	1654	1660	1665	rVB2	2139	3361	0.14%	0.028%
74	9.600	1683	1686	1689	rVB	790	815	0.03%	0.007%
75	9.621	1689	1690	1693	rBV	1285	1040	0.04%	0.009%
76	9.653	1693	1696	1701	rVB3	1528	1520	0.06%	0.013%
77	9.694	1701	1704	1708	rBV2	748	1047	0.04%	0.009%
78	9.998	1756	1762	1767	rVB3	2372	3431	0.15%	0.029%
79	10.181	1792	1797	1799	rVB2	834	845	0.04%	0.007%
80	10.249	1806	1810	1812	rBV2	950	899	0.04%	0.008%
81	10.322	1819	1824	1832	rVB3	3878	4259	0.18%	0.036%
82	10.380	1832	1835	1837	rBV	828	845	0.04%	0.007%
83	10.547	1864	1867	1870	rBV2	1041	932	0.04%	0.008%
84	10.814	1917	1918	1924	rVB2	1655	1833	0.08%	0.015%
85	10.850	1924	1925	1927	rBV2	970	814	0.03%	0.007%

LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\rosanlie\Dec 2024\12-03-24\VY9149\
Data File : Y211514.d
Acq On : 2 Dec 2024 4:23 pm
Operator : PrashanS
Sample : MB
Misc : MS46186,VY9149,5.0,,,,1
ALS Vial : 6 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\MY9125.M
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

86	10.976	1947	1949	1953	rVB2	1328	1742	0.07%	0.015%
87	11.033	1953	1960	1962	rBV3	1814	2949	0.13%	0.025%
88	11.175	1983	1987	1988	rVV3	985	1060	0.05%	0.009%
89	11.190	1989	1990	1994	rVV2	871	1010	0.04%	0.008%
90	11.222	1994	1996	2001	rVB3	1351	1794	0.08%	0.015%
91	11.624	2069	2073	2076	rVB2	1271	1535	0.07%	0.013%
92	11.970	2136	2139	2141	rVB	1393	1018	0.04%	0.009%
93	12.006	2144	2146	2151	rVB3	938	1092	0.05%	0.009%
94	12.069	2156	2158	2159	rBV	1287	852	0.04%	0.007%
95	12.388	2216	2219	2223	rBV	1289	1425	0.06%	0.012%
96	12.430	2223	2227	2229	rBV3	666	943	0.04%	0.008%
97	12.623	2262	2264	2266	rBV2	1165	869	0.04%	0.007%
98	12.650	2268	2269	2272	rBV	1268	865	0.04%	0.007%
99	12.801	2296	2298	2302	rVB2	1153	1171	0.05%	0.010%
100	12.906	2315	2318	2319	rVB2	1394	1156	0.05%	0.010%

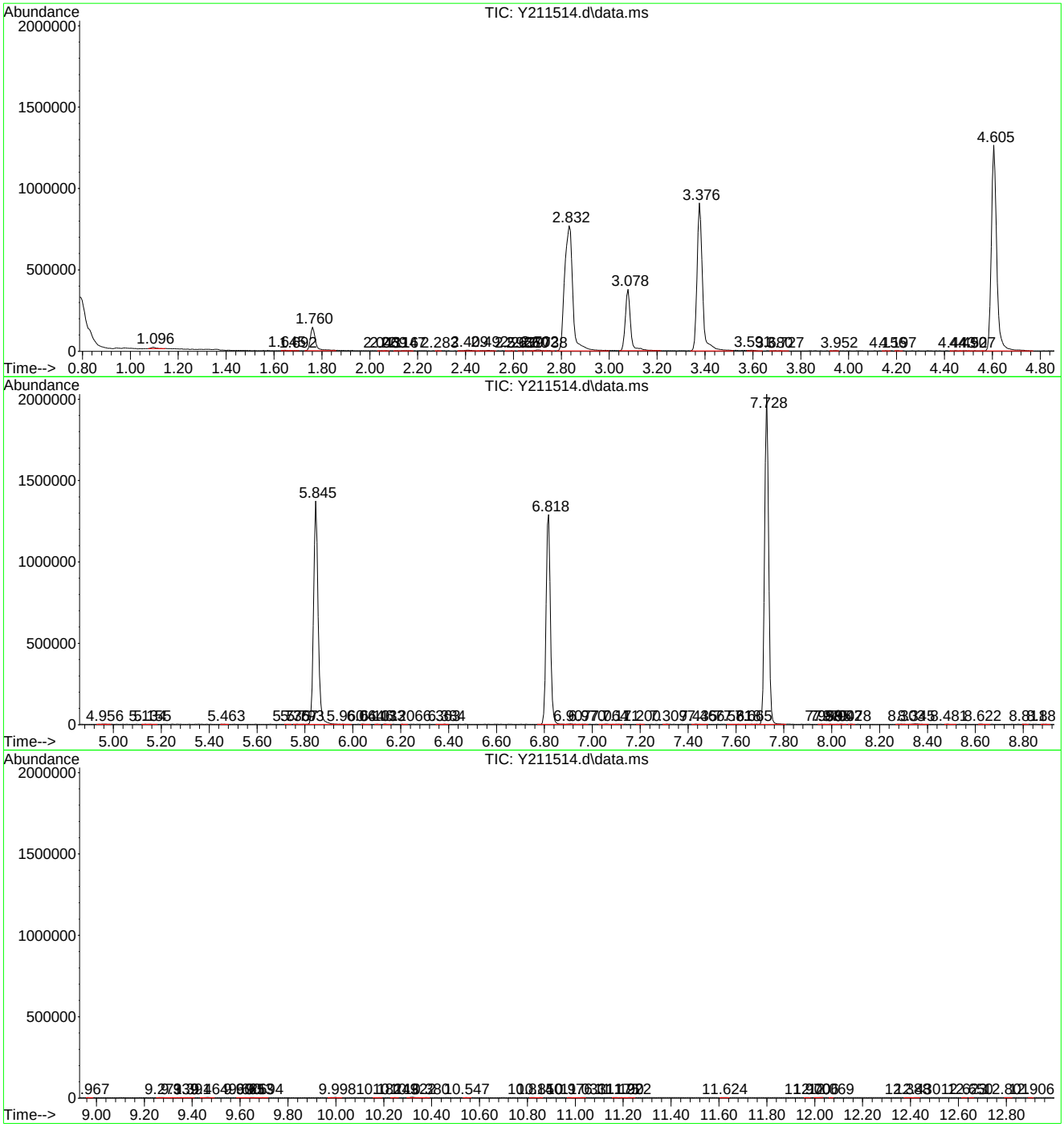
Sum of corrected areas: 11940308

LSC Report - Integrated Chromatogram

Data Path : X:\Dayton VOA GCMS\rosanlie\Dec 2024\12-03-24\VY9149\
Data File : Y211514.d
Acq On : 2 Dec 2024 4:23 pm
Operator : PrashanS
Sample : MB
Misc : MS46186,VY9149,5.0,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\MY9125.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p



Tentatively Identified Compound (LSC) summary

Data Path : X:\Dayton VOA GCMS\rosanlie\Dec 2024\12-03-24\VY9149\
Data File : Y211514.d
Acq On : 2 Dec 2024 4:23 pm
Operator : PrashanS
Sample : MB
Misc : MS46186,VY9149,5.0,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\MY9125.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

No Library Search Compounds Detected
****

MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (DFTPP)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59809-MB1	F223260.D	1	12/03/24	KH	12/02/24	OP59809	EF9919

The QC reported here applies to the following samples: **Method:** SW846 8270E

JE1534-8

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol	ND	5.0	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.89	ug/l	
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	
105-60-2	Caprolactam	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	

Method Blank Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59809-MB1	F223260.D	1	12/03/24	KH	12/02/24	OP59809	EF9919

The QC reported here applies to the following samples: **Method:** SW846 8270E

JE1534-8

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.51	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.66	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.50	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	ND	1.0	0.23	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

Method Blank Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59809-MB1	F223260.D	1	12/03/24	KH	12/02/24	OP59809	EF9919

The QC reported here applies to the following samples: **Method:** SW846 8270E

JE1534-8

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	44%	10-71%
4165-62-2	Phenol-d5	30%	10-58%
118-79-6	2,4,6-Tribromophenol	87%	22-144%
4165-60-0	Nitrobenzene-d5	81%	28-118%
321-60-8	2-Fluorobiphenyl	75%	34-116%
1718-51-0	Terphenyl-d14	90%	10-127%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact	4.07	49	ug/l	J
	System artifact	4.16	16	ug/l	J
	System artifact	4.27	45	ug/l	J
	Internal standard added for SIM test	4.80	4.3	ug/l	J
	Internal standard added for SIM test	6.14	4.5	ug/l	J
	Internal standard added for SIM test	7.45	4.5	ug/l	J
	Internal standard added for SIM test	10.16	4.6	ug/l	J
	Total TIC, Semi-Volatile		0	ug/l	

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59809-BS1	F223261.D	1	12/03/24	KH	12/02/24	OP59809	EF9919
OP59809-BSD	F223262.D	1	12/03/24	KH	12/02/24	OP59809	EF9919

The QC reported here applies to the following samples: **Method:** SW846 8270E

JE1534-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	50	35.7	71	37.1	74	4	17-111/59
59-50-7	4-Chloro-3-methyl phenol	50	40.1	80	45.3	91	12	30-118/47
120-83-2	2,4-Dichlorophenol	50	40.7	81	45.0	90	10	30-119/50
105-67-9	2,4-Dimethylphenol	50	36.1	72	39.5	79	9	20-114/49
51-28-5	2,4-Dinitrophenol	100	115	115	120	120	4	11-141/72
534-52-1	4,6-Dinitro-o-cresol	50	56.7	113	60.1	120	6	30-142/51
95-48-7	2-Methylphenol	50	33.3	67	35.6	71	7	10-110/56
	3&4-Methylphenol	100	62.8	63	67.6	68	7	10-164/59
88-75-5	2-Nitrophenol	50	46.9	94	49.9	100	6	33-123/49
100-02-7	4-Nitrophenol	50	22.9	46	26.5	53	15	10-84/61
87-86-5	Pentachlorophenol	100	87.2	87	92.7	93	6	10-171/41
108-95-2	Phenol	50	20.3	41	21.4	43	5	10-85/57
58-90-2	2,3,4,6-Tetrachlorophenol	50	43.9	88	47.3	95	7	36-130/44
95-95-4	2,4,5-Trichlorophenol	50	40.8	82	43.9	88	7	38-124/44
88-06-2	2,4,6-Trichlorophenol	50	41.9	84	45.7	91	9	37-122/46
83-32-9	Acenaphthene	50	37.6	75	39.7	79	5	52-115/30
208-96-8	Acenaphthylene	50	40.1	80	42.3	85	5	30-114/31
98-86-2	Acetophenone	50	35.8	72	37.5	75	5	40-115/39
120-12-7	Anthracene	50	39.5	79	41.4	83	5	55-122/29
1912-24-9	Atrazine	50	41.7	83	45.4	91	8	54-140/33
100-52-7	Benzaldehyde	50	29.0	58	29.8	60	3	35-121/35
56-55-3	Benzo(a)anthracene	50	41.7	83	44.4	89	6	55-122/29
50-32-8	Benzo(a)pyrene	50	42.1	84	44.6	89	6	50-123/30
205-99-2	Benzo(b)fluoranthene	50	43.8	88	45.8	92	4	57-124/28
191-24-2	Benzo(g,h,i)perylene	50	44.3	89	46.5	93	5	55-125/30
207-08-9	Benzo(k)fluoranthene	50	41.9	84	44.7	89	6	53-124/28
101-55-3	4-Bromophenyl phenyl ether	50	40.9	82	43.1	86	5	55-124/29
85-68-7	Butyl benzyl phthalate	50	43.4	87	46.6	93	7	54-134/29
92-52-4	1,1'-Biphenyl	50	36.6	73	39.1	78	7	46-115/32
91-58-7	2-Chloronaphthalene	50	38.9	78	42.4	85	9	44-113/32
106-47-8	4-Chloroaniline	50	20.4	41	22.4	45	9	10-100/92
86-74-8	Carbazole	50	41.0	82	43.4	87	6	56-123/29
105-60-2	Caprolactam	50	11.0	22	7.7	15	35	10-85/35
218-01-9	Chrysene	50	39.7	79	41.9	84	5	54-122/29
111-91-1	bis(2-Chloroethoxy)methane	50	38.5	77	40.7	81	6	39-116/36
111-44-4	bis(2-Chloroethyl)ether	50	35.6	71	37.4	75	5	31-118/45

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59809-BS1	F223261.D	1	12/03/24	KH	12/02/24	OP59809	EF9919
OP59809-BSD	F223262.D	1	12/03/24	KH	12/02/24	OP59809	EF9919

The QC reported here applies to the following samples: **Method:** SW846 8270E

JE1534-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
108-60-1	2,2'-Oxybis(1-chloropropane)	50	35.2	70	36.8	74	4	34-117/43
7005-72-3	4-Chlorophenyl phenyl ether	50	38.2	76	40.3	81	5	53-119/28
121-14-2	2,4-Dinitrotoluene	50	47.5	95	49.5	99	4	58-129/29
606-20-2	2,6-Dinitrotoluene	50	46.8	94	49.9	100	6	56-128/30
91-94-1	3,3'-Dichlorobenzidine	50	28.7	57	29.7	59	3	23-122/44
123-91-1	1,4-Dioxane	50	17.2	34	19.5	39	13	10-88/49
53-70-3	Dibenzo(a,h)anthracene	50	45.5	91	47.5	95	4	55-127/29
132-64-9	Dibenzofuran	50	39.3	79	41.1	82	4	53-116/29
84-74-2	Di-n-butyl phthalate	50	42.6	85	45.1	90	6	57-129/30
117-84-0	Di-n-octyl phthalate	50	43.4	87	45.8	92	5	45-139/28
84-66-2	Diethyl phthalate	50	39.7	79	42.8	86	8	53-123/30
131-11-3	Dimethyl phthalate	50	40.0	80	43.0	86	7	50-122/35
117-81-7	bis(2-Ethylhexyl)phthalate	50	42.2	84	44.6	89	6	49-137/30
206-44-0	Fluoranthene	50	43.4	87	46.1	92	6	58-125/30
86-73-7	Fluorene	50	39.6	79	41.4	83	4	56-119/28
118-74-1	Hexachlorobenzene	50	41.5	83	43.0	86	4	53-125/29
87-68-3	Hexachlorobutadiene	50	31.2	62	31.1	62	0	21-109/47
77-47-4	Hexachlorocyclopentadiene	100	61.1	61	61.0	61	0	10-96/52
67-72-1	Hexachloroethane	50	29.4	59	30.0	60	2	19-105/40
193-39-5	Indeno(1,2,3-cd)pyrene	50	42.2	84	43.3	87	3	50-132/30
78-59-1	Isophorone	50	37.4	75	40.6	81	8	41-117/33
91-57-6	2-Methylnaphthalene	50	37.9	76	40.0	80	5	41-112/35
88-74-4	2-Nitroaniline	50	41.2	82	43.9	88	6	48-128/31
99-09-2	3-Nitroaniline	50	30.5	61	33.4	67	9	30-115/51
100-01-6	4-Nitroaniline	50	37.9	76	41.3	83	9	43-121/34
91-20-3	Naphthalene	50	36.7	73	38.0	76	3	37-112/39
98-95-3	Nitrobenzene	50	38.7	77	40.5	81	5	35-119/39
621-64-7	N-Nitroso-di-n-propylamine	50	36.7	73	38.8	78	6	34-121/36
86-30-6	N-Nitrosodiphenylamine	50	39.2	78	41.3	83	5	52-121/29
85-01-8	Phenanthrene	50	39.1	78	41.1	82	5	56-121/28
129-00-0	Pyrene	50	40.7	81	42.6	85	5	55-125/29
95-94-3	1,2,4,5-Tetrachlorobenzene	50	35.2	70	36.7	73	4	40-110/35

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59809-BS1	F223261.D	1	12/03/24	KH	12/02/24	OP59809	EF9919
OP59809-BSD	F223262.D	1	12/03/24	KH	12/02/24	OP59809	EF9919

The QC reported here applies to the following samples: **Method:** SW846 8270E

JE1534-8

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
367-12-4	2-Fluorophenol	51%	53%	10-71%
4165-62-2	Phenol-d5	38%	39%	10-58%
118-79-6	2,4,6-Tribromophenol	92%	99%	22-144%
4165-60-0	Nitrobenzene-d5	86%	86%	28-118%
321-60-8	2-Fluorobiphenyl	81%	85%	34-116%
1718-51-0	Terphenyl-d14	86%	91%	10-127%

* = Outside of Control Limits.

Instrument Performance Check (DFTPP)

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EF9895-DFTPP
Lab File ID: F222664.D
Instrument ID: GCMSF
Injection Date: 10/29/24
Injection Time: 10:13

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	23575	40.1		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	24117	41.0		Pass
70	Less than 2.0% of mass 69	153	0.26	(0.63) [a]	Pass
127	40.0 - 60.0% of mass 198	27738	47.2		Pass
197	Less than 1.0% of mass 198	192	0.33		Pass
198	Base peak, 100% relative abundance	58781	100.0		Pass
199	5.0 - 9.0% of mass 198	4014	6.83		Pass
275	10.0 - 30.0% of mass 198	13632	23.2		Pass
365	1.0 - 100.0% of mass 198	1422	2.42		Pass
441	Present, but less than mass 443	5233	8.90	(76.5) [b]	Pass
442	40.0 - 100.0% of mass 198	35538	60.5		Pass
443	17.0 - 23.0% of mass 442	6839	11.6	(19.2) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EF9895-IC9895	F222673.D	10/29/24	13:30	03:17	Initial cal 1
EF9895-IC9895	F222674.D	10/29/24	13:52	03:39	Initial cal 2
EF9895-IC9895	F222675.D	10/29/24	14:15	04:02	Initial cal 5
EF9895-IC9895	F222676.D	10/29/24	14:38	04:25	Initial cal 10
EF9895-IC9895	F222677.D	10/29/24	15:01	04:48	Initial cal 25
EF9895-ICC9895	F222678.D	10/29/24	15:23	05:10	Initial cal 50
EF9895-IC9895	F222679.D	10/29/24	15:46	05:33	Initial cal 80
EF9895-IC9895	F222680.D	10/29/24	16:09	05:56	Initial cal 100
EF9895-IC9895	F222681.D	10/29/24	16:31	06:18	Initial cal 1
EF9895-IC9895	F222682.D	10/29/24	16:54	06:41	Initial cal 2
EF9895-IC9895	F222683.D	10/29/24	17:17	07:04	Initial cal 5
EF9895-IC9895	F222684.D	10/29/24	17:39	07:26	Initial cal 10
EF9895-IC9895	F222685.D	10/29/24	18:02	07:49	Initial cal 25
EF9895-IC9895	F222686.D	10/29/24	18:25	08:12	Initial cal 50
EF9895-IC9895	F222687.D	10/29/24	18:47	08:34	Initial cal 80
EF9895-IC9895	F222688.D	10/29/24	19:10	08:57	Initial cal 100
EF9895-ICV9895	F222689.D	10/29/24	19:33	09:20	Initial cal verification 50
EF9895-ICV9895	F222690.D	10/29/24	19:55	09:42	Initial cal verification 50
EF9895-ICV9895	F222691.D	10/29/24	20:18	10:05	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	EF9895-DFTPP	**Injection Date:**	10/29/24
Lab File ID:	F222664.D	**Injection Time:**	10:13
Instrument ID:	GCMSF		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EF9895-ICV9895	F222692.D	10/29/24	20:41	10:28	Initial cal verification 50
EF9895-ICV9895	F222695.D	10/29/24	21:49	11:36	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EF9899-DFTPP
Lab File ID: F222732A.D
Instrument ID: GCMSF
Injection Date: 11/07/24
Injection Time: 08:48

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	19558	36.6		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	19448	36.4		Pass
70	Less than 2.0% of mass 69	83	0.16	(0.43) [a]	Pass
127	40.0 - 60.0% of mass 198	23578	44.2		Pass
197	Less than 1.0% of mass 198	195	0.37		Pass
198	Base peak, 100% relative abundance	53402	100.0		Pass
199	5.0 - 9.0% of mass 198	3465	6.49		Pass
275	10.0 - 30.0% of mass 198	13109	24.5		Pass
365	1.0 - 100.0% of mass 198	1301	2.44		Pass
441	Present, but less than mass 443	4675	8.75	(73.2) [b]	Pass
442	40.0 - 100.0% of mass 198	31362	58.7		Pass
443	17.0 - 23.0% of mass 442	6386	12.0	(20.4) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EF9899-IC9899	F222733.D	11/07/24	09:00	00:12	Initial cal 1
EF9899-IC9899	F222734.D	11/07/24	09:23	00:35	Initial cal 2
EF9899-IC9899	F222735.D	11/07/24	09:46	00:58	Initial cal 5
EF9899-IC9899	F222736.D	11/07/24	10:10	01:22	Initial cal 10
EF9899-IC9899	F222737.D	11/07/24	10:33	01:45	Initial cal 25
EF9899-ICC9899	F222739.D	11/07/24	10:56	02:08	Initial cal 50
EF9899-IC9899	F222738.D	11/07/24	11:20	02:32	Initial cal 80
EF9899-IC9899	F222740.D	11/07/24	11:43	02:55	Initial cal 100
EF9899-ICV9899	F222741.D	11/07/24	12:06	03:18	Initial cal verification 50
EF9899-ICV9899	F222742.D	11/07/24	12:30	03:42	Initial cal verification 50
EF9899-ICV9899	F222743.D	11/07/24	12:53	04:05	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EF9919-DFTPP
Lab File ID: F223254.D
Instrument ID: GCMSF
Injection Date: 12/03/24
Injection Time: 09:06

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	9847	32.1		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	10503	34.2		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	13338	43.4		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	30717	100.0		Pass
199	5.0 - 9.0% of mass 198	2141	6.97		Pass
275	10.0 - 30.0% of mass 198	8361	27.2		Pass
365	1.0 - 100.0% of mass 198	965	3.14		Pass
441	Present, but less than mass 443	3603	11.7	(74.7) [b]	Pass
442	40.0 - 100.0% of mass 198	23463	76.4		Pass
443	17.0 - 23.0% of mass 442	4824	15.7	(20.6) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EF9919-CC9899	F223255.D	12/03/24	09:17	00:11	Continuing cal 50
EF9919-CC9895	F223256.D	12/03/24	09:40	00:34	Continuing cal 50
OP59806-MB1	F223257.D	12/03/24	10:05	00:59	Method Blank
OP59806B-MB1	F223257.D	12/03/24	10:05	00:59	Method Blank
OP59806B-BS1	F223258.D	12/03/24	10:28	01:22	Blank Spike
OP59806-BS1	F223258.D	12/03/24	10:28	01:22	Blank Spike
OP59806B-BSD	F223259.D	12/03/24	10:51	01:45	Blank Spike Duplicate
OP59806-BSD	F223259.D	12/03/24	10:51	01:45	Blank Spike Duplicate
OP59809-MB1	F223260.D	12/03/24	11:14	02:08	Method Blank
OP59809B-MB1	F223260.D	12/03/24	11:14	02:08	Method Blank
OP59809B-BS1	F223261.D	12/03/24	11:36	02:30	Blank Spike
OP59809-BS1	F223261.D	12/03/24	11:36	02:30	Blank Spike
OP59809B-BSD	F223262.D	12/03/24	11:59	02:53	Blank Spike Duplicate
OP59809-BSD	F223262.D	12/03/24	11:59	02:53	Blank Spike Duplicate
ZZZZZZ	F223263.D	12/03/24	12:22	03:16	(unrelated sample)
ZZZZZZ	F223264.D	12/03/24	12:45	03:39	(unrelated sample)
ZZZZZZ	F223265.D	12/03/24	13:07	04:01	(unrelated sample)
ZZZZZZ	F223266.D	12/03/24	13:30	04:24	(unrelated sample)
ZZZZZZ	F223267.D	12/03/24	13:53	04:47	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	EF9919-DFTPP	**Injection Date:**	12/03/24
Lab File ID:	F223254.D	**Injection Time:**	09:06
Instrument ID:	GCMSF		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	F223268.D	12/03/24	14:15	05:09	(unrelated sample)
ZZZZZZ	F223269.D	12/03/24	14:38	05:32	(unrelated sample)
ZZZZZZ	F223270.D	12/03/24	15:01	05:55	(unrelated sample)
ZZZZZZ	F223271.D	12/03/24	15:24	06:18	(unrelated sample)
ZZZZZZ	F223272.D	12/03/24	15:46	06:40	(unrelated sample)
JE1534-8	F223273.D	12/03/24	16:09	07:03	FB-3
ZZZZZZ	F223274.D	12/03/24	16:32	07:26	(unrelated sample)
ZZZZZZ	F223275.D	12/03/24	16:55	07:49	(unrelated sample)
ZZZZZZ	F223276.D	12/03/24	17:22	08:16	(unrelated sample)
ZZZZZZ	F223277.D	12/03/24	17:44	08:38	(unrelated sample)
ZZZZZZ	F223278.D	12/03/24	18:07	09:01	(unrelated sample)
ZZZZZZ	F223279.D	12/03/24	18:30	09:24	(unrelated sample)
ZZZZZZ	F223280.D	12/03/24	18:53	09:47	(unrelated sample)

Internal Standard Area Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	EF9919-CC9899	**Injection Date:**	12/03/24
Lab File ID:	F223255.D	**Injection Time:**	09:17
Instrument ID:	GCMSF	**Method:**	SW846 8270E

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Initial Cal [a]	51226	4.76	196878	5.66	106090	7.04	207792	8.67	202954	12.51	214191	14.60
Check Std [b]	43232	4.69	161942	5.59	89376	6.95	173548	8.55	168473	12.37	180439	14.46
Upper Limit [c]	86464	4.86	323884	5.76	178752	7.12	347096	8.72	336946	12.54	360878	14.63
Lower Limit [d]	21616	4.52	80971	5.42	44688	6.78	86774	8.38	84237	12.20	90220	14.29

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP59806-MB1	36857	4.69	135901	5.59	77170	6.95	148633	8.55	137977	12.36	153778	14.46
OP59806B-MB1	36857	4.69	135901	5.59	77170	6.95	148633	8.55	137977	12.36	153778	14.46
OP59806-BS1	36711	4.69	135086	5.59	74620	6.95	150068	8.55	141406	12.37	152650	14.46
OP59806B-BS1 [e]	36711	4.69	135086	5.59	74620	6.95	150068	8.55	141406	12.37	152650	14.46
OP59806-BSD	36595	4.69	138330	5.59	76964	6.95	151267	8.55	142785	12.37	155124	14.46
OP59806B-BSD	36595	4.69	138330	5.59	76964	6.95	151267	8.55	142785	12.37	155124	14.46
OP59809B-MB1	36259	4.69	135570	5.59	75875	6.95	147956	8.55	139037	12.36	156608	14.45
OP59809-MB1	36259	4.69	135570	5.59	75875	6.95	147956	8.55	139037	12.36	156608	14.45
OP59809-BS1	39906	4.69	148983	5.59	83145	6.95	162797	8.55	158681	12.37	170487	14.46
OP59809B-BS1	39906	4.69	148983	5.59	83145	6.95	162797	8.55	158681	12.37	170487	14.46
OP59809B-BSD	41510	4.69	153561	5.59	86868	6.95	170971	8.55	165494	12.37	178166	14.46
OP59809-BSD	41510	4.69	153561	5.59	86868	6.95	170971	8.55	165494	12.37	178166	14.46
ZZZZZZ	40383	4.69	155321	5.59	86105	6.95	168704	8.55	158529	12.36	176349	14.46
ZZZZZZ	43032	4.69	160572	5.59	89123	6.95	175810	8.55	168264	12.36	187128	14.46
ZZZZZZ	41459	4.69	156670	5.59	88026	6.95	173641	8.55	167787	12.36	181870	14.46
ZZZZZZ	36823	4.69	139929	5.59	78214	6.95	153795	8.55	144718	12.36	159996	14.46
ZZZZZZ	41491	4.69	152005	5.59	84946	6.95	167310	8.55	158550	12.36	176643	14.46
ZZZZZZ	39174	4.69	150835	5.59	84557	6.95	165408	8.55	155277	12.36	172564	14.46
ZZZZZZ	38394	4.69	146124	5.59	80785	6.95	160621	8.55	149854	12.36	165551	14.45
ZZZZZZ	40434	4.69	149925	5.59	81784	6.95	157953	8.55	149148	12.36	162658	14.46
ZZZZZZ	39932	4.69	149408	5.59	83187	6.95	163121	8.55	152975	12.36	167191	14.45
ZZZZZZ	42378	4.69	159464	5.59	88642	6.95	171053	8.55	160237	12.36	180106	14.46
JE1534-8	40381	4.69	153488	5.59	85917	6.95	166522	8.55	155079	12.36	174705	14.46
ZZZZZZ	42066	4.69	158173	5.59	87221	6.95	169737	8.55	164324	12.36	179058	14.46
ZZZZZZ	38017	4.69	143239	5.59	81941	6.95	156828	8.55	149848	12.36	164214	14.45
ZZZZZZ	44196	4.69	161316	5.59	89283	6.95	178378	8.55	168091	12.37	187709	14.46
ZZZZZZ	38502	4.69	142357	5.59	81449	6.95	156041	8.55	146228	12.36	164224	14.46
ZZZZZZ	40592	4.69	151519	5.59	83850	6.95	163326	8.55	153145	12.36	169075	14.46
ZZZZZZ	39487	4.69	107251	5.61	80550	6.96	150904	8.57	140375	12.39	153627	14.49
ZZZZZZ	39397	4.69	145567	5.59	81196	6.95	160454	8.55	148040	12.38	162087	14.47

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8

Internal Standard Area Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	EF9919-CC9899	**Injection Date:**	12/03/24
Lab File ID:	F223255.D	**Injection Time:**	09:17
Instrument ID:	GCMSF	**Method:**	SW846 8270E

Lab Sample ID	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT	IS 3 AREA	IS 3 RT	IS 4 AREA	IS 4 RT	IS 5 AREA	IS 5 RT	IS 6 AREA	IS 6 RT

IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Initial Cal is: EF9899-ICC9899 F222739.D 11/07/24 10:56
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.
(e) BS LOW

Surrogate Recovery Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Method: SW846 8270E **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
JE1534-8	F223273.D	40	27	83	76	72	82
OP59809-BS1	F223261.D	51	38	92	86	81	86
OP59809-BSD	F223262.D	53	39	99	86	85	91
OP59809-MB1	F223260.D	44	30	87	81	75	90

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	10-71%
S2 = Phenol-d5	10-58%
S3 = 2,4,6-Tribromophenol	22-144%
S4 = Nitrobenzene-d5	28-118%
S5 = 2-Fluorobiphenyl	34-116%
S6 = Terphenyl-d14	10-127%

Initial Calibration Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EF9895-ICC9895
Lab FileID: F222678.D

Response Factor Report GCMSF

Method : C:\MSDCHEM\1\METHODS\MF9895.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Oct 30 14:42:20 2024
Response via : Initial Calibration

Calibration Files
2 =F222674.D 5 =F222675.D 25 =F222677.D 80 =F222679.D
100 =F222680.D 50 =F222678.D 10 =F222676.D 1 =F222673.D

Compound	2	5	25	80	100	50	10	1	Avg	%RSD
102) I 1,4-Dichlorobenzene-d	ISTD									
103) 2-Picoline	1.267	1.295	1.370	1.305	1.303	1.300	1.276	1.102	1.277	6.04
104) Pentachloroe	0.574	0.519	0.579	0.547	0.546	0.538	0.528	0.533	0.545	3.88
105) Methyl metha	0.621	0.678	0.654	0.612	0.615	0.614	0.631	0.556	0.623	5.72
106) N-Nitrosodie	0.529	0.528	0.534	0.515	0.518	0.507	0.483	0.482	0.512	3.96
107) N-Nitrosomet	0.775	0.833	0.684	0.604	0.589	0.587	0.689		0.680	14.10
108) Ethyl methan	0.858	0.858	0.869	0.818	0.831	0.828	0.799	0.725	0.823	5.61
109) N-Nitrosopyr	0.550	0.621	0.601	0.592	0.582	0.575	0.560	0.468	0.569	8.17
110) N-Nitrosomor	0.844	0.808	0.728	0.653	0.637	0.658	0.706	0.657	0.711	10.88
111) o-Toluidine	1.660	1.986	1.746	1.580	1.540	1.594	1.785	1.665	1.695	8.50
112) I Naphthalene-d8A	ISTD									
113) O,O,O-Trieth	0.161	0.168	0.173	0.170	0.170	0.168	0.156	0.169	0.167	3.33
114) N-Nitrosopip	0.242	0.236	0.222	0.198	0.196	0.206	0.218	0.210	0.216	7.81
115) A,A-Dimethyl		0.538	0.689	0.645	0.651	0.641	0.587		0.625	8.61
116) Hexachloropr	0.202	0.197	0.215	0.228	0.232	0.218	0.205	0.165	0.208	10.17
117) N-Nitrosodi-	0.249	0.204	0.207	0.193	0.196	0.192	0.186	0.233	0.208	10.77
118) p-Phenylened		0.140	0.107	0.099	0.105	0.084	0.121		0.109	17.77
119) Safrole	0.230	0.228	0.256	0.238	0.247	0.237	0.225	0.243	0.238	4.34
120) Isosafrole	0.177	0.175	0.174	0.167	0.170	0.165	0.153	0.147	0.166	6.54
121) Acenaphthene-d10A	ISTD									
122) Thionazin	0.163	0.167	0.173	0.165	0.165	0.163	0.157	0.143	0.162	5.45
123) Tetraethyl d	0.149	0.164	0.165	0.168	0.168	0.164	0.153	0.130	0.158	8.16
124) Phorate		0.115	0.146	0.193	0.196	0.167	0.113		0.155	23.75
----- Quadratic regression ----- Coefficient = 0.9989										
Response Ratio = -0.00526 + 0.14102 *A + 0.02434 *A^2										
125) Phenacetin	0.573	0.570	0.620	0.596	0.586	0.594	0.572	0.473	0.573	7.64
126) 1,4-Naphthoq	0.359	0.375	0.389	0.348	0.332	0.355	0.351	0.402	0.364	6.34
127) m-Dinitroben		0.092	0.128	0.156	0.165	0.143	0.097		0.130	23.23
----- Quadratic regression ----- Coefficient = 0.9996										
Response Ratio = -0.00543 + 0.12504 *A + 0.01680 *A^2										
128) Pentachlorob	0.536	0.566	0.550	0.551	0.543	0.536	0.518	0.511	0.539	3.33
129) 2-Naphthylam	1.067	1.064	1.108	1.020	0.975	1.024	1.056	1.021	1.042	3.87
130) 1-Naphthylam	0.945	1.014	1.079	1.007	0.985	0.991	1.011	0.921	0.994	4.79
131) 5-Nitro-o-to		0.234	0.314	0.341	0.340	0.329	0.255		0.302	15.24
132) I Phenanthrene-d10A	ISTD									
133) Disulfoton	0.304	0.376	0.314	0.284	0.281	0.284	0.317	0.285	0.306	10.40
134) Dinoseb		0.070	0.097	0.130	0.137	0.113	0.070		0.103	28.14
----- Quadratic regression ----- Coefficient = 0.9994										
Response Ratio = -0.00414 + 0.09192 *A + 0.01913 *A^2										

Initial Calibration Summary

Job Number: JE1534 **Sample:** EF9895-ICC9895
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** F222678.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

```
135) Dimethoate   0.190 0.202 0.223 0.202 0.194 0.210 0.202 0.188 0.201   5.64
136) 4-Aminobiphe 0.611 0.689 0.772 0.764 0.760 0.753 0.671 0.651 0.709   8.67
137) Methyl parat       0.095 0.135 0.146 0.141 0.140 0.105       0.127  16.81
138) Parathion          0.077 0.102 0.110 0.112 0.109 0.081       0.099  15.73
139) Diphenylamin 0.537 0.543 0.570 0.554 0.548 0.542 0.517 0.523 0.542   3.12
140) Isodrin      0.109 0.111 0.117 0.114 0.111 0.112 0.107 0.103 0.111   3.92
141) Diallate     0.175 0.188 0.186 0.174 0.167 0.169 0.180 0.204 0.180   6.75
142) Pentachloron 0.027 0.026 0.034 0.036 0.036 0.034 0.030 0.027 0.031# 13.10
143) Pronamide    0.307 0.298 0.325 0.314 0.315 0.308 0.304 0.279 0.306   4.49
144) 4-Nitroquino       0.036 0.068 0.084 0.087 0.077 0.042       0.066  33.35
          ----- Quadratic regression -----                Coefficient =  0.9991
               Response Ratio = -0.02164 + 0.07075 *A + 0.00193 *A^2

145) Methapyrilin       0.394 0.249 0.200 0.169 0.239 0.352       0.267  32.93
          ----- Quadratic regression -----                Coefficient =  0.9958
               Response Ratio = 0.01723 + 0.27033 *A + -0.04199 *A^2

146) sym-Trinitro       0.021 0.029 0.040 0.043 0.035 0.020       0.032# 30.73
          ----- Quadratic regression -----                Coefficient =  0.9994
               Response Ratio = -0.00122 + 0.02695 *A + 0.00685 *A^2


147) I   Chrysene-d12A         ----------------ISTD---------------------
148) Aramite      0.087 0.085 0.109 0.114 0.113 0.109 0.093 0.074 0.098  15.70
149) p-(Dimethyla 0.251 0.274 0.293 0.285 0.283 0.284 0.268 0.246 0.273   6.20
150) Kepone       0.082 0.097 0.093 0.076 0.071 0.079 0.094 0.070 0.083  13.02
151) Famphur      0.471 0.470 0.434 0.288 0.255 0.336 0.444       0.385  23.49
          ----- Quadratic regression -----                Coefficient =  0.9980
               Response Ratio = 0.01140 + 0.45634 *A + -0.01382 *A^2

152) 2-Acetylamin 0.388 0.424 0.480 0.493 0.496 0.479 0.428       0.455   9.19
153) Chlorobenzil 0.255 0.277 0.318 0.323 0.323 0.313 0.277 0.254 0.292  10.28

154) I   Perylene-d12A         ----------------ISTD---------------------
155) Hexachloroph       0.023 0.055 0.073 0.076 0.066 0.034       0.054  39.74
          ----- Quadratic regression -----                Coefficient =  0.9992
               Response Ratio = -0.02663 + 0.05920 *A + 0.00157 *A^2

156) 3-Methylchol 0.202 0.213 0.239 0.239 0.240 0.232 0.220 0.177 0.220  10.19

157) I   1,4-Dichlorobenzene-d ----------------ISTD---------------------
158) Benzaldehyde 1.183 1.099 1.016 1.109 1.258 1.051 1.143 1.302 1.145   8.59

159) I   Phenanthrene-d10b     ----------------ISTD---------------------
160) Atrazine     0.161 0.177 0.193 0.188 0.197 0.210 0.191 0.201 0.190   7.92

161) I   Naphthalene-d8b       ----------------ISTD---------------------
162) Caprolactam  0.100 0.146 0.134 0.138 0.156 0.139 0.146 0.145 0.138  12.11


180) Catechol                                                  0.000# -1.00
 ------------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          MF9895.M          Thu Oct 31 08:46:47 2024   RT1
```

8.6.1

8

Initial Calibration Verification

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EF9895-ICV9895
Lab FileID: F222689.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF9895\f222689.D Vial: 26
Acq On : 29 Oct 2024 7:33 pm Operator: jackleey
Sample : icv9895-50 Inst : GCMSF
Misc : op58797b,ef9895,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9895.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Oct 30 14:42:20 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102	I	1,4-Dichlorobenzene-d4A	1.000	1.000	0.0	111	0.00	4.79
103	M	2-Picoline	1.277	1.446	-13.2	123	0.02	3.51
104		Pentachloroethane	0.545	0.500	8.3	103	0.00	4.60
105	M	Methyl methanesulfonate	0.623	0.461	26.0	83	0.00	3.79
106	M	N-Nitrosodiethylamine	0.512	0.585	-14.3	128	0.01	4.06
107	M	N-Nitrosomethylethylamine	0.680	0.691	-1.6	130	0.01	3.58
108	M	Ethyl methanesulfonate	0.823	0.953	-15.8	127	0.00	4.26
109	M	N-Nitrosopyrrolidine	0.569	0.645	-13.4	124	0.00	5.05
110	M	N-Nitrosomorpholine	0.711	0.699	1.7	118	0.00	5.08
112	I	Naphthalene-d8A	1.000	1.000	0.0	110	0.00	5.68
113	M	O,O,O-Triethyl phosphorot	0.167	0.203	-21.6	132	0.00	5.48
114	M	N-Nitrosopiperidine	0.216	0.236	-9.3	125	0.00	5.29
115	M	A,A-Dimethylphenethylamin	0.625	0.691	-10.6	118	0.00	5.56
116	M	Hexachloropropene	0.208	0.248	-19.2	125	0.00	5.75
117	M	N-Nitrosodi-n-butylamine	0.208	0.249	-19.7	142	0.00	5.96
118		p-Phenylenediamine	0.109	0.177	-62.4#	232#	0.00	5.99
119	M	Safrole	0.238	0.280	-17.6	130	0.00	6.12
120		Isosafrole	0.166	0.282	-69.9#	187	0.00	6.53
121		Acenaphthene-d10A	1.000	1.000	0.0	111	0.00	7.07
122	M	Thionazin	0.162	0.185	-14.2	126	0.00	7.59
123	M	Tetraethyl dithiopyrophos	0.158	0.197	-24.7	134	0.00	7.93
		----------	True	Calc.	% Drift	----------		
124	M	Phorate	50.000	53.672	-7.3	122	0.00	8.03
		----------	AvgRF	CCRF	% Dev	----------		
125	M	Phenacetin	0.573	0.616	-7.5	116	0.00	8.11
126	M	1,4-Naphthoquinone	0.364	0.309	15.1	97	0.00	6.74
		----------	True	Calc.	% Drift	----------		
127	M	m-Dinitrobenzene	50.000	63.044	-26.1	145	0.00	6.85
		----------	AvgRF	CCRF	% Dev	----------		
128	M	Pentachlorobenzene	0.539	0.594	-10.2	124	0.00	7.23
131	M	5-Nitro-o-toluidine	0.302	0.359	-18.9	122	0.00	7.64
132	I	Phenanthrene-d10A	1.000	1.000	0.0	107	0.00	8.71

8.6.2

8

Initial Calibration Verification

Job Number: JE1534 **Sample:** EF9895-ICV9895
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** F222689.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

133	M	Disulfoton	0.306	0.355	-16.0	134	0.00	8.73
		----------	AvgRF	CCRF	% Dev	----------		
135	M	Dimethoate	0.201	0.206	-2.5	105	0.00	8.29
136	M	4-Aminobiphenyl	0.709	0.510	28.1	73	0.00	8.48
137	M	Methyl parathion	0.127	0.113	11.0	86	0.00	9.22
138	M	Parathion	0.099	0.128	-29.3	125	0.00	9.77
139	M	Diphenylamine	0.542	0.728	-43.3#	144	0.00	7.75
140	M	Isodrin	0.111	0.135	-21.6	129	0.00	10.15
141	M	Diallate	0.180	0.186	-3.3	118	0.00	8.07
142	M	Pentachloronitrobenzene	0.031	0.040	-29.0	126	0.00	8.48
143	M	Pronamide	0.306	0.365	-19.3	127	0.00	8.56
		----------	True	Calc.	% Drift	----------		
144	M	4-Nitroquinoline 1-oxide	200.000	258.496	-29.2	108	-0.01	9.78
145	M	Methapyriline	50.000	22.020	56.0#	55	0.00	9.93
146	M	sym-Trinitrobenzene	50.000	55.191	-10.4	121	0.00	8.03
		----------	AvgRF	CCRF	% Dev	----------		
147	I	Chrysene-d12A	1.000	1.000	0.0	94	0.00	12.55
148		Aramite	0.098	0.120	-22.4	103	0.00	11.12
149	M	p-(Dimethylamine)azobenze	0.273	0.344	-26.0	113	0.00	11.20
		----------	True	Calc.	% Drift	----------		
151	M	Famphur		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
152	M	2-Acetylaminofluorene	0.455	0.571	-25.5	111	0.00	12.10
154	I	Perylene-d12A	1.000	1.000	0.0	85	0.00	14.64
		----------	AvgRF	CCRF	% Dev	----------		
156		3-Methylcholanthrene	0.220	0.282	-28.2	103	0.00	15.04

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F222686A.D MF9895.M Wed Oct 30 15:29:15 2024 RT1

Initial Calibration Verification

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EF9895-ICV9895
Lab FileID: F222690.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF9895\f222690.D Vial: 27
Acq On : 29 Oct 2024 7:55 pm Operator: jackleey
Sample : icv9895-50 Inst : GCMSF
Misc : op58797b,ef9895,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9895.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Oct 30 14:42:20 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
		AvgRF	CCRF	% Dev			
147 I	Chrysene-d12A	1.000	1.000	0.0	98	0.00	12.55
150	Kepone	0.083	0.096	-15.6	114	0.00	11.73
153 M	Chlorobenzilate	0.292	0.343	-17.5	107	0.00	11.29

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F222686A.D MF9895.M Wed Oct 30 15:29:17 2024 RT1

Initial Calibration Verification

Job Number: JE1534 **Sample:** EF9895-ICV9895
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** F222691.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF9895\f222691.D Vial: 28
Acq On : 29 Oct 2024 8:18 pm Operator: jackleey
Sample : icv9895-50 Inst : GCMSF
Misc : op58797b,ef9895,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9895.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Oct 30 14:42:20 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
	AvgRF CCRF % Dev						
147 I	Chrysene-d12A	1.000	1.000	0.0	88	0.00	12.55
	True Calc. % Drift						
151 M	Famphur	300.000	359.334	-19.7	138	-0.02	11.67

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F222686A.D MF9895.M Wed Oct 30 15:29:19 2024 RT1

8.6.4

8

Initial Calibration Verification

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EF9895-ICV9895
Lab FileID: F222692.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF9895\f222692.D Vial: 29
Acq On : 29 Oct 2024 8:41 pm Operator: jackleey
Sample : icv9895-50 Inst : GCMSF
Misc : op58797b,ef9895,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9895.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Oct 30 14:42:20 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102 I	1,4-Dichlorobenzene-d4A	1.000	1.000	0.0	95	0.00	4.79
111 M	o-Toluidine	1.695	1.889	-11.4	113	0.00	5.09
121	Acenaphthene-d10A	1.000	1.000	0.0	103	0.00	7.07
129 M	2-Naphthylamine	1.042	1.270	-21.9	127	0.00	7.43
130 M	1-Naphthylamine	0.994	1.172	-17.9	121	0.00	7.35

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F222686A.D MF9895.M Wed Oct 30 15:29:21 2024 RT1

8.6.5

Initial Calibration Verification

Job Number: JE1534 **Sample:** EF9895-ICV9895
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** F222695.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF9895\f222695.D Vial: 32
Acq On : 29 Oct 2024 9:49 pm Operator: jackleey
Sample : icv9895-50 Inst : GCMSF
Misc : op58797b,ef9895,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9895.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Oct 30 12:14:01 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
157	I	1,4-Dichlorobenzene-d4b	1.000	1.000	0.0	101	0.00	4.79
158		Benzaldehyde	1.145	0.972	15.1	93	0.00	4.49
159	I	Phenanthrene-d10b	1.000	1.000	0.0	104	0.00	8.70
160		Atrazine	0.190	0.190	0.0	94	0.00	8.37
161	I	Naphthalene-d8b	1.000	1.000	0.0	101	0.00	5.68
162		Caprolactam	0.138	0.132	4.3	96	0.00	5.97

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F222678A.D MF9895.M Wed Oct 30 12:16:25 2024 RT1

8.6.8

Initial Calibration Summary

Job Number: JE1534 **Sample:** EF9899-ICC9899
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** F222739.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Response Factor Report GCMSF

Method : C:\MSDCHEM\1\METHODS\MF9899.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Dec 06 10:48:19 2024
Response via : Initial Calibration

Calibration Files
2 =F222734.D 5 =F222735.D 25 =F222737.D 80 =F222738.D
100 =F222740.D 50 =F222739.D 10 =F222736.D 1 =F222733.D

Compound	2	5	25	80	100	50	10	1	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	ISTD									
2) 1,4-Dioxane	0.619	0.535	0.435	0.436	0.489	0.451	0.490	0.587	0.505	13.73
3) Pyridine	1.055	1.185	1.195	1.222	1.380	1.278	1.144	0.885	1.168	12.72
4) N-Nitrosodim	0.756	0.529	0.566	0.561	0.621	0.587	0.553	0.683	0.607	12.62
5) 2-Fluorophen	1.073	0.967	1.067	1.082	1.243	1.126	1.023	1.013	1.074	7.80
6) Indene	2.007	2.057	2.054	2.092	2.376	2.171	2.002	2.075	2.104	5.79
7) Cumene	2.329	2.245	2.204	2.261	2.547	2.333	2.238	2.246	2.300	4.75
8) Phenol-d5	1.118	1.222	1.246	1.293	1.461	1.326	1.251	1.073	1.249	9.66
9) Phenol	1.350	1.304	1.370	1.423	1.579	1.457	1.327	1.347	1.395	6.44
10) Aniline	1.742	1.673	1.755	1.766	1.977	1.825	1.680	1.736	1.769	5.47
11) bis(2-Chloro	1.015	1.064	1.052	1.074	1.216	1.128	1.085	1.102	1.092	5.53
12) 2-Chlorophen	1.186	1.090	1.184	1.229	1.376	1.269	1.147	1.129	1.201	7.50
13) Decane	1.214	1.119	1.142	1.135	1.279	1.195	1.179	1.211	1.184	4.42
14) 1,3-Dichloro	1.419	1.361	1.388	1.420	1.595	1.459	1.344	1.425	1.426	5.43
15) 1,4-Dichloro	1.446	1.421	1.419	1.449	1.628	1.496	1.421	1.407	1.461	5.00
16) Benzyl alcoh	0.719	0.693	0.738	0.762	0.865	0.785	0.690	0.651	0.738	9.05
17) 1,2-Dichloro	1.380	1.336	1.342	1.372	1.566	1.410	1.361	1.421	1.399	5.27
18) Acetophenone	1.711	1.687	1.686	1.731	1.940	1.816	1.681	1.667	1.740	5.38
19) 2-Methylphen	0.933	1.007	1.012	1.057	1.183	1.091	0.984	0.949	1.027	7.96
20) 2,2'-oxybis(	0.361	0.337	0.321	0.351	0.381	0.353	0.329	0.349	0.348	5.42
21) 3&4-Methylph	1.062	0.994	1.075	1.121	1.275	1.176	1.048	0.946	1.087	9.55
22) n-Nitroso-di	0.756	0.785	0.806	0.803	0.886	0.840	0.808	0.664	0.793	8.16
23) Hexachloroet	0.582	0.502	0.552	0.573	0.657	0.592	0.533	0.512	0.563	8.89
24) I Naphthalene-d8	ISTD									
25) Nitrobenzene	0.261	0.248	0.279	0.301	0.335	0.305	0.277	0.275	0.285	9.65
26) Nitrobenzene	0.280	0.283	0.305	0.328	0.357	0.329	0.303	0.265	0.306	9.93
27) Quinoline	0.611	0.579	0.598	0.623	0.704	0.646	0.602	0.626	0.624	6.09
28) Isophorone	0.543	0.537	0.537	0.566	0.628	0.582	0.547	0.534	0.559	5.79
29) 2-Nitropheno		0.115	0.128	0.163	0.191	0.156	0.118		0.145	20.72
----- Quadratic regression ----- Coefficient = 0.9980										
Response Ratio = 0.00008 + 0.11047 *A + 0.03073 *A^2										
30) 2,4-Dimethyl	0.292	0.287	0.303	0.322	0.363	0.330	0.304	0.270	0.309	9.41
31) Benzoic acid		0.097	0.155	0.200	0.237	0.190	0.124		0.167	30.91
----- Quadratic regression ----- Coefficient = 0.9980										
Response Ratio = -0.00598 + 0.14080 *A + 0.03715 *A^2										
32) bis(2-Chloro	0.347	0.340	0.346	0.370	0.412	0.378	0.358	0.366	0.365	6.34
33) 2,4-Dichloro	0.246	0.255	0.263	0.296	0.328	0.291	0.261	0.247	0.273	10.61
34) 2,6-Dichloro	0.249	0.258	0.269	0.299	0.339	0.300	0.266	0.258	0.280	10.87
35) 1,3,5-Trichl	0.343	0.336	0.343	0.367	0.414	0.371	0.348	0.322	0.355	8.05
36) 1,2,4-Trichl	0.325	0.307	0.320	0.347	0.386	0.347	0.318	0.296	0.331	8.64
37) 1,2,3-Trichl	0.335	0.319	0.315	0.347	0.395	0.356	0.323	0.302	0.337	8.73
38) Naphthalene	0.982	0.923	0.917	0.967	1.079	0.985	0.939	0.925	0.965	5.53
39) 4-Chloroanil	0.358	0.373	0.387	0.417	0.467	0.429	0.394	0.379	0.400	8.85

Initial Calibration Summary

Job Number: JE1534 **Sample:** EF9899-ICC9899
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** F222739.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

40)	2,3-Dichloro	0.311	0.317	0.320	0.345	0.391	0.350	0.330	0.290	0.332	9.23
41)	Hydroquinone	0.230	0.246	0.262	0.282	0.309	0.290	0.261	0.226	0.263	11.04
42)	Hexachlorobu	0.205	0.199	0.202	0.219	0.250	0.225	0.205	0.191	0.212	8.75
43)	4-Chloro-3-m	0.231	0.221	0.240	0.258	0.290	0.270	0.247	0.214	0.246	10.36
44)	2-Methylnaph	0.560	0.546	0.557	0.592	0.671	0.601	0.571	0.545	0.581	7.19
45)	1-Methylnaph	0.606	0.576	0.576	0.621	0.690	0.620	0.596	0.562	0.606	6.65
46)	I Acenaphthene-d10	ISTD									
47)	Hexachlorocy	0.299	0.366	0.430	0.489	0.422	0.339		0.391		17.68
48)	1,2,4,5-tetr	0.658	0.618	0.667	0.701	0.791	0.718	0.656	0.558	0.671	10.32
49)	2,4,6-Trichl	0.324	0.366	0.394	0.429	0.480	0.434	0.362	0.325	0.389	14.27
50)	2,4,5-Trichl	0.390	0.376	0.435	0.479	0.538	0.489	0.411		0.445	13.19
51)	2-Fluorobiph	1.350	1.322	1.348	1.435	1.602	1.475	1.374	1.314	1.402	6.97
52)	2-Chloronaph	1.156	1.117	1.170	1.231	1.382	1.259	1.179	1.158	1.207	6.95
53)	Biphenyl	1.489	1.446	1.500	1.571	1.737	1.610	1.523	1.515	1.549	5.88
54)	2-Nitroanili	0.214	0.265	0.293	0.324	0.299	0.236		0.272		15.30
55)	Dimethylphth	1.242	1.267	1.294	1.341	1.504	1.379	1.313	1.248	1.323	6.54
56)	Acenaphthyle	1.534	1.537	1.652	1.744	1.927	1.771	1.696	1.492	1.669	8.79
57)	2,6-Dinitrot	0.132	0.162	0.232	0.268	0.312	0.263	0.194	0.140	0.213	31.02
	----- Quadratic regression -----									Coefficient =	0.9980
	Response Ratio = -0.00262 + 0.20199 *A + 0.04156 *A^2										
58)	3-Nitroanili	0.212	0.278	0.322	0.357	0.315	0.248		0.289		18.35
59)	Acenaphthene	1.285	1.207	1.229	1.261	1.415	1.301	1.242	1.350	1.286	5.34
60)	2,4-Dinitrop	0.049	0.061	0.105	0.159	0.189	0.141	0.080		0.112	47.09
	----- Quadratic regression -----									Coefficient =	0.9988
	Response Ratio = -0.00481 + 0.08380 *A + 0.02075 *A^2										
61)	4-Nitropheno	0.127	0.162	0.177	0.201	0.180	0.149		0.166		15.64
62)	Dibenzofuran	1.731	1.702	1.692	1.797	2.004	1.848	1.742	1.763	1.785	5.70
63)	2,4-Dinitrot	0.196	0.212	0.317	0.382	0.433	0.375	0.265	0.173	0.294	32.99
	----- Quadratic regression -----									Coefficient =	0.9983
	Response Ratio = -0.00422 + 0.28441 *A + 0.05812 *A^2										
64)	2,3,4,6-Tetr	0.261	0.332	0.371	0.412	0.372	0.312		0.343		15.46
65)	Diethylphtha	1.287	1.347	1.361	1.427	1.566	1.453	1.365	1.320	1.391	6.37
66)	Fluorene	1.314	1.251	1.368	1.450	1.639	1.469	1.324	1.228	1.381	9.76
67)	4-Chlorophen	0.733	0.706	0.707	0.748	0.841	0.771	0.720	0.768	0.749	5.97
68)	4-Nitroanili	0.241	0.302	0.326	0.358	0.343	0.277		0.308		14.24
69)	I Phenanthrene-d10	ISTD									
70)	4,6-Dinitro-	0.040	0.070	0.100	0.115	0.090	0.055		0.078		36.37
	----- Quadratic regression -----									Coefficient =	0.9992
	Response Ratio = -0.00337 + 0.06384 *A + 0.02060 *A^2										
71)	n-Nitrosodip	0.571	0.555	0.565	0.607	0.687	0.626	0.584	0.514	0.589	8.83
72)	1,2-Diphenyl	0.588	0.621	0.609	0.622	0.684	0.644	0.631	0.580	0.622	5.26
73)	2,4,6-Tribro	0.080	0.091	0.101	0.115	0.106	0.091		0.097		12.82
74)	4-Bromopheny	0.215	0.192	0.210	0.221	0.247	0.223	0.208	0.198	0.214	7.91
75)	Hexachlorobe	0.239	0.215	0.217	0.231	0.260	0.238	0.231	0.208	0.230	7.18
76)	Pentachlorop	0.096	0.104	0.137	0.161	0.182	0.160	0.127		0.138	22.87
	----- Quadratic regression -----									Coefficient =	0.9986
	Response Ratio = -0.00431 + 0.12945 *A + 0.01005 *A^2										
77)	Phenanthrene	1.061	1.001	0.997	1.061	1.188	1.079	1.044	1.074	1.063	5.59
78)	Anthracene	1.050	0.967	1.013	1.080	1.211	1.102	1.019	0.919	1.045	8.53
79)	Carbazole	0.933	0.872	0.933	1.000	1.125	1.029	0.938	0.834	0.958	9.59
80)	Di-n-butylph	0.993	0.995	1.116	1.236	1.390	1.251	1.097	0.971	1.131	13.24
81)	Fluoranthene	1.039	1.036	1.145	1.234	1.397	1.252	1.116	0.977	1.150	12.09
82)	Octadecane	0.316	0.337	0.366	0.379	0.419	0.394	0.362	0.301	0.359	11.05

Initial Calibration Summary

Job Number: JE1534 **Sample:** EF9899-ICC9899
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** F222739.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

```
 83) I   Chrysene-d12          ----------------ISTD--------------------
 84) Benzidine    0.553 0.601 0.706 0.806 0.900 0.733 0.643 0.690 0.704  15.84
 85) Pyrene       1.252 1.253 1.291 1.334 1.487 1.381 1.306 1.271 1.322   6.01
 86) Terphenyl-d1 0.899 0.882 0.895 0.952 1.054 0.985 0.931 0.885 0.936   6.42
 87) Butylbenzylp 0.287 0.339 0.456 0.525 0.588 0.524 0.413       0.447  24.23
          ----- Quadratic regression -----                Coefficient =  0.9979
               Response Ratio = -0.00729 + 0.41936 *A + 0.06664 *A^2

 88) Benzo[a]anth 1.113 1.065 1.155 1.250 1.391 1.286 1.143 1.107 1.189   9.29
 89) 3,3'-Dichlor 0.318 0.360 0.441 0.502       0.515 0.402       0.423  18.41
 90) Chrysene     1.279 1.219 1.207 1.248 1.382 1.303 1.256 1.237 1.266   4.43
 91) bis(2-Ethylh 0.471 0.547 0.735 0.829 0.930 0.838 0.666       0.717  23.13
          ----- Quadratic regression -----                Coefficient =  0.9977
               Response Ratio = -0.01146 + 0.67822 *A + 0.09901 *A^2


 92) I   Perylene-d12          ----------------ISTD--------------------
 93) Di-n-octylph 0.524 0.678 1.066 1.297 1.469 1.277 0.875       1.026  33.99
          ----- Quadratic regression -----                Coefficient =  0.9984
               Response Ratio = -0.03098 + 1.00592 *A + 0.18191 *A^2

 94) Benzo[b]fluo 0.980 1.002 1.141 1.279 1.431 1.299 1.085 0.847 1.133  17.09
 95) Benzo[k]fluo 0.990 1.036 1.186 1.227 1.351 1.264 1.146 0.947 1.143  12.39
 96) Benzo[a]pyre 0.769 0.829 0.966 1.064 1.185 1.077 0.915 0.704 0.939  17.71
 97) Indeno[1,2,3 0.830 0.815 0.984 1.118 1.277 1.138 0.934 0.677 0.972  20.41
          ----- Quadratic regression -----                Coefficient =  0.9982
               Response Ratio = -0.00670 + 0.92225 *A + 0.13173 *A^2

 98) Dibenz(a,h)a       0.684 0.794 0.910 1.031 0.919 0.742       0.847  15.23
 99) Dibenz[a,h]a 0.794 0.890 1.014 1.121 1.274 1.140 0.969 0.726 0.991  18.69
100) 7,12-Dimethy       0.395 0.474 0.526 0.588 0.535 0.438       0.493  14.29
101) Benzo[g,h,i] 0.799 0.860 0.963 1.053 1.189 1.083 0.941 0.721 0.951  16.36

 ------------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           MF9899.M          Fri Dec 06 10:50:29 2024   RT1
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8.6.7

8

Initial Calibration Verification

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EF9899-ICV9899
Lab FileID: F222741.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF9899\f222741.D Vial: 10
Acq On : 7 Nov 2024 12:06 pm Operator: jackleey
Sample : icv9899-50 Inst : GCMSF
Misc : op58797b,ef9899,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9899.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Dec 06 11:47:12 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.07	4.77
2	t	1,4-Dioxane	0.505	0.481	4.8	110	0.18	2.70
6	t	Indene	2.104	2.264	-7.6	107	0.07	4.94
7	t	Cumene	2.300	2.444	-6.3	108	0.09	4.22
11	t	bis(2-Chloroethyl)ether	1.092	1.119	-2.5	102	0.07	4.57
13	t	Decane	1.184	1.250	-5.6	108	0.07	4.65
14	t	1,3-Dichlorobenzene	1.426	1.510	-5.9	106	0.07	4.72
15	t	1,4-Dichlorobenzene	1.461	1.558	-6.6	107	0.07	4.78
16	t	Benzyl alcohol	0.738	0.785	-6.4	103	0.06	4.86
17	t	1,2-Dichlorobenzene	1.399	1.487	-6.3	108	0.07	4.88
18	t	Acetophenone	1.740	1.829	-5.1	104	0.06	5.04
20	t	2,2'-oxybis(1-Chloropropa	0.348	0.370	-6.3	108	0.07	4.95
23	t	Hexachloroethane	0.563	0.604	-7.3	105	0.06	5.12
24	I	Naphthalene-d8	1.000	1.000	0.0	102	0.06	5.66
26	t	Nitrobenzene	0.306	0.337	-10.1	104	0.06	5.16
27	t	Quinoline	0.624	0.657	-5.3	103	0.05	5.91
28	t	Isophorone	0.559	0.605	-8.2	106	0.06	5.33
32	t	bis(2-Chloroethoxy)methan	0.365	0.381	-4.4	102	0.06	5.48
35		1,3,5-Trichlorobenzene	0.355	0.381	-7.3	104	0.06	5.39
36	t	1,2,4-Trichlorobenzene	0.331	0.364	-10.0	107	0.06	5.61
37		1,2,3-Trichlorobenzene	0.337	0.371	-10.1	106	0.06	5.77
38	t	Naphthalene	0.965	1.054	-9.2	109	0.06	5.67
40	t	2,3-Dichloroaniline	0.332	0.352	-6.0	102	0.06	6.38
42	t	Hexachlorobutadiene	0.212	0.228	-7.5	103	0.06	5.75
44	t	2-Methylnaphthalene	0.581	0.621	-6.9	105	0.06	6.17
45	t	1-Methylnaphthalene	0.606	0.631	-4.1	103	0.06	6.25
46	I	Acenaphthene-d10	1.000	1.000	0.0	102	0.08	7.04
47	t	Hexachlorocyclopentadiene	0.391	0.470	-20.2	114	0.07	6.29
48	t	1,2,4,5-tetrachlorobenzen	0.671	0.753	-12.2	107	0.06	6.29

Initial Calibration Verification

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EF9899-ICV9899
Lab FileID: F222741.D

52	t	2-Chloronaphthalene	1.207	1.295	-7.3	105	0.09	6.55
53	t	Biphenyl	1.549	1.619	-4.5	103	0.07	6.54
55	t	Dimethylphthalate	1.323	1.419	-7.3	105	0.07	6.80
56	t	Acenaphthylene	1.669	1.882	-12.8	109	0.07	6.91
		----------	True	Calc.	% Drift	----------		
57	t	2,6-Dinitrotoluene	50.000	52.607	-5.2	104	0.07	6.85
		----------	AvgRF	CCRF	% Dev	----------		
59	t	Acenaphthene	1.286	1.365	-6.1	107	0.08	7.07
		----------	True	Calc.	% Drift	----------		
62	t	Dibenzofuran	1.785	1.910	-7.0	106	0.08	7.24
		----------	True	Calc.	% Drift	----------		
63	t	2,4-Dinitrotoluene	50.000	50.349	-0.7	97	0.07	7.22
		----------	AvgRF	CCRF	% Dev	----------		
65	t	Diethylphthalate	1.391	1.501	-7.9	106	0.08	7.47
66	t	Fluorene	1.381	1.523	-10.3	106	0.08	7.59
67	t	4-Chlorophenyl-phenylethe	0.749	0.793	-5.9	105	0.08	7.59
69	I	Phenanthrene-d10	1.000	1.000	0.0	106	0.09	8.67
72	t	1,2-Diphenylhydrazine	0.622	0.642	-3.2	106	0.09	7.76
74	t	4-Bromophenyl-phenylether	0.214	0.221	-3.3	105	0.09	8.13
75	t	Hexachlorobenzene	0.230	0.237	-3.0	106	0.09	8.19
77	t	Phenanthrene	1.063	1.099	-3.4	108	0.09	8.70
78	t	Anthracene	1.045	1.103	-5.6	106	0.09	8.76
79	t	Carbazole	0.958	1.020	-6.5	105	0.08	8.97
80	t	Di-n-butylphthalate	1.131	1.258	-11.2	107	0.10	9.49
81	t	Fluoranthene	1.150	1.268	-10.3	107	0.10	10.32
82	t	Octadecane	0.359	0.389	-8.4	105	0.10	8.57
83	I	Chrysene-d12	1.000	1.000	0.0	97	0.11	12.51
85	t	Pyrene	1.322	1.486	-12.4	105	0.10	10.65
86	S	Terphenyl-d14		----------NA----------				
		----------	True	Calc.	% Drift	----------		
87	t	Butylbenzylphthalate	50.000	56.516	-13.0	107	0.11	11.74
		----------	AvgRF	CCRF	% Dev	----------		
88	t	Benzo[a]anthracene	1.189	1.343	-13.0	101	0.10	12.49
89	t	3,3'-Dichlorobenzidine		----------NA----------				
90	t	Chrysene	1.266	1.386	-9.5	103	0.11	12.55
		----------	True	Calc.	% Drift	----------		
91	t	bis(2-Ethylhexyl)phthalat	50.000	56.200	-12.4	105	0.12	12.69
		----------	AvgRF	CCRF	% Dev	----------		

Initial Calibration Verification

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EF9899-ICV9899
Lab FileID: F222741.D

92	I	Perylene-d12	1.000	1.000	0.0	104	0.11	14.60
		----------	True	Calc.	% Drift	----------		
93	t	Di-n-octylphthalate	50.000	53.474	-6.9	107	0.12	13.68
		----------	AvgRF	CCRF	% Dev	----------		
94	t	Benzo[b]fluoranthene	1.133	1.291	-13.9	103	0.11	14.09
95	t	Benzo[k]fluoranthene	1.143	1.318	-15.3	108	0.10	14.12
96	t	Benzo[a]pyrene	0.939	1.113	-18.5	107	0.11	14.53
		----------	True	Calc.	% Drift	----------		
97	t	Indeno[1,2,3-cd]pyrene	50.000	49.951	0.1	99	0.13	16.00
		----------	AvgRF	CCRF	% Dev	----------		
98	t	Dibenz(a,h)acridine	0.847	0.916	-8.1	104	0.13	15.70
99	t	Dibenz[a,h]anthracene	0.991	1.117	-12.7	102	0.14	16.04
100	t	7,12-Dimethylbenz(a)anthr	0.493	0.514	-4.3	100	0.11	14.09
101	t	Benzo[g,h,i]perylene	0.951	1.053	-10.7	101	0.15	16.38

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F223137.D MF9899.M Fri Dec 06 12:33:52 2024 RT1

8.6.8

Initial Calibration Verification

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EF9899-ICV9899
Lab FileID: F222742.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF9899\f222742.D Vial: 11
Acq On : 7 Nov 2024 12:30 pm Operator: jackleey
Sample : icv9899-50 Inst : GCMSF
Misc : op58797b,ef9899,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9899.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Dec 06 11:47:12 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	106	0.07	4.77
2	t	1,4-Dioxane		----------NA----------				
3	t	Pyridine		----------NA----------				
4	t	N-Nitrosodimethylamine		----------NA----------				
5	S	2-Fluorophenol		----------NA----------				
6	t	Indene		----------NA----------				
7	t	Cumene		----------NA----------				
8	S	Phenol-d5		----------NA----------				
9	t	Phenol	1.395	1.419	-1.7	103	0.02	4.50
10	t	Aniline		----------NA----------				
11	t	bis(2-Chloroethyl)ether		----------NA----------				
12	t	2-Chlorophenol	1.201	1.257	-4.7	105	0.05	4.62
13	t	Decane		----------NA----------				
14	t	1,3-Dichlorobenzene		----------NA----------				
15	t	1,4-Dichlorobenzene		----------NA----------				
16	t	Benzyl alcohol		----------NA----------				
17	t	1,2-Dichlorobenzene		----------NA----------				
18	t	Acetophenone		----------NA----------				
19	t	2-Methylphenol	1.027	1.082	-5.4	105	0.03	4.92
20	t	2,2'-oxybis(1-Chloropropa		----------NA----------				
21	t	3&4-Methylphenol	1.087	1.154	-6.2	104	0.03	5.03
22		n-Nitroso-di-n-propylamin		----------NA----------				
23	t	Hexachloroethane		----------NA----------				
24	I	Naphthalene-d8	1.000	1.000	0.0	107	0.06	5.66
25	S	Nitrobenzene-d5		----------NA----------				
26	t	Nitrobenzene		----------NA----------				
27	t	Quinoline		----------NA----------				
28	t	Isophorone		----------NA----------				
		----------	True	Calc.	% Drift	----------		
29	t	2-Nitrophenol	50.000	52.030	-4.1	107	0.06	5.38
		----------	AvgRF	CCRF	% Dev	----------		
30	t	2,4-Dimethylphenol	0.309	0.330	-6.8	107	0.03	5.40
		----------	True	Calc.	% Drift	----------		
31	t	Benzoic acid	50.000	52.953	-5.9	110	0.02	5.47
		----------	AvgRF	CCRF	% Dev	----------		
32	t	bis(2-Chloroethoxy)methan		----------NA----------				
33	t	2,4-Dichlorophenol	0.273	0.296	-8.4	109	0.03	5.55

Initial Calibration Verification

Job Number: JE1534 **Sample:** EF9899-ICV9899
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** F222742.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

34		2,6-Dichlorophenol	0.280	0.296	-5.7	105	0.05	5.71
35		1,3,5-Trichlorobenzene		----------NA----------				
36	t	1,2,4-Trichlorobenzene		----------NA----------				
37		1,2,3-Trichlorobenzene		----------NA----------				
38	t	Naphthalene		----------NA----------				
39	t	4-Chloroaniline		----------NA----------				
40	t	2,3-Dichloroaniline		----------NA----------				
41	t	Hydroquinone	0.263	0.327	-24.3	121	0.03	5.96
42	t	Hexachlorobutadiene		----------NA----------				
43	t	4-Chloro-3-methylphenol	0.246	0.263	-6.9	104	0.02	6.04
44	t	2-Methylnaphthalene		----------NA----------				
45	t	1-Methylnaphthalene		----------NA----------				
46	I	Acenaphthene-d10	1.000	1.000	0.0	106	0.08	7.04
47	t	Hexachlorocyclopentadiene		----------NA----------				
48	t	1,2,4,5-tetrachlorobenzen		----------NA----------				
49	t	2,4,6-Trichlorophenol	0.389	0.427	-9.8	104	0.05	6.38
50	t	2,4,5-Trichlorophenol	0.445	0.461	-3.6	100	0.02	6.41
51	S	2-Fluorobiphenyl		----------NA----------				
52	t	2-Chloronaphthalene		----------NA----------				
53	t	Biphenyl		----------NA----------				
54	t	2-Nitroaniline		----------NA----------				
55	t	Dimethylphthalate		----------NA----------				
56	t	Acenaphthylene		----------NA----------				
		----------	True	Calc.	% Drift	----------		
57	t	2,6-Dinitrotoluene		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
58	t	3-Nitroaniline		----------NA----------				
59	t	Acenaphthene		----------NA----------				
		----------	True	Calc.	% Drift	----------		
60	t	2,4-Dinitrophenol	100.000	102.081	-2.1	103	0.06	7.09
		----------	AvgRF	CCRF	% Dev	----------		
61	t	4-Nitrophenol	0.166	0.189	-13.9	111	-0.01	7.14
62	t	Dibenzofuran		----------NA----------				
		----------	True	Calc.	% Drift	----------		
63	t	2,4-Dinitrotoluene		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
64		2,3,4,6-Tetrachlorophenol	0.343	0.366	-6.7	104	0.06	7.35
65	t	Diethylphthalate		----------NA----------				
66	t	Fluorene		----------NA----------				
67	t	4-Chlorophenyl-phenylethe		----------NA----------				
68	t	4-Nitroaniline		----------NA----------				
69	I	Phenanthrene-d10	1.000	1.000	0.0	110	0.09	8.66
		----------	True	Calc.	% Drift	----------		
70	t	4,6-Dinitro-2-methylpheno	50.000	50.477	-1.0	108	0.07	7.63
		----------	AvgRF	CCRF	% Dev	----------		
71	t	n-Nitrosodiphenylamine		----------NA----------				
72	t	1,2-Diphenylhydrazine		----------NA----------				
73	S	2,4,6-Tribromophenol		----------NA----------				
74	t	4-Bromophenyl-phenylether		----------NA----------				
75	t	Hexachlorobenzene		----------NA----------				

Initial Calibration Verification

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EF9899-ICV9899
Lab FileID: F222742.D

			True	Calc.	% Drift			
76	t	Pentachlorophenol	100.000	98.995	1.0	104	0.07	8.42
			AvgRF	CCRF	% Dev			
77	t	Phenanthrene			NA			
78	t	Anthracene			NA			
79	t	Carbazole			NA			
80	t	Di-n-butylphthalate			NA			
81	t	Fluoranthene			NA			
82	t	Octadecane			NA			
83	I	Chrysene-d12	1.000	1.000	0.0	93	0.11	12.51
84	t	Benzidine			NA			
85	t	Pyrene			NA			
86	S	Terphenyl-d14			NA			
			True	Calc.	% Drift			
87	t	Butylbenzylphthalate			NA			
			AvgRF	CCRF	% Dev			
88	t	Benzo[a]anthracene			NA			
89	t	3,3'-Dichlorobenzidine			NA			
90	t	Chrysene			NA			
			True	Calc.	% Drift			
91	t	bis(2-Ethylhexyl)phthalat			NA			
			AvgRF	CCRF	% Dev			
92	I	Perylene-d12	1.000	1.000	0.0	98	0.11	14.59
			True	Calc.	% Drift			
93	t	Di-n-octylphthalate			NA			
			AvgRF	CCRF	% Dev			
94	t	Benzo[b]fluoranthene			NA			
95	t	Benzo[k]fluoranthene			NA			
96	t	Benzo[a]pyrene			NA			
			True	Calc.	% Drift			
97	t	Indeno[1,2,3-cd]pyrene			NA			
			AvgRF	CCRF	% Dev			
98	t	Dibenz(a,h)acridine			NA			
99	t	Dibenz[a,h]anthracene			NA			
100	t	7,12-Dimethylbenz(a)anthr			NA			
101	t	Benzo[g,h,i]perylene			NA			
102	I	1,4-Dichlorobenzene-d4A	1.000	1.000	0.0	93	0.07	4.77
103	M	2-Picoline			NA			
104		Pentachloroethane			NA			
105	M	Methyl methanesulfonate			NA			
106	M	N-Nitrosodiethylamine			NA			
107	M	N-Nitrosomethylethylamine			NA			
108	M	Ethyl methanesulfonate			NA			
109	M	N-Nitrosopyrrolidine			NA			
110	M	N-Nitrosomorpholine			NA			
111	M	o-Toluidine			NA			

Initial Calibration Verification

Job Number: JE1534 **Sample:** EF9899-ICV9899
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** F222742.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

112	I	Naphthalene-d8A	1.000	1.000	0.0	97	0.06	5.66
113	M	O,O,O-Triethyl phosphorot		----------NA----------				
114	M	N-Nitrosopiperidine		----------NA----------				
115	M	A,A-Dimethylphenethylamin		----------NA----------				
116	M	Hexachloropropene		----------NA----------				
117	M	N-Nitrosodi-n-butylamine		----------NA----------				
118		p-Phenylenediamine		----------NA----------				
119	M	Safrole		----------NA----------				
120		Isosafrole		----------NA----------				
121		Acenaphthene-d10A	1.000	1.000	0.0	101	0.08	7.04
122	M	Thionazin		----------NA----------				
123	M	Tetraethyl dithiopyrophos		----------NA----------				
		----------	True	Calc.	% Drift	----------		
124	M	Phorate		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
125	M	Phenacetin		----------NA----------				
126	M	1,4-Naphthoquinone		----------NA----------				
		----------	True	Calc.	% Drift	----------		
127	M	m-Dinitrobenzene		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
128	M	Pentachlorobenzene		----------NA----------				
129	M	2-Naphthylamine		----------NA----------				
130	M	1-Naphthylamine		----------NA----------				
131	M	5-Nitro-o-toluidine		----------NA----------				
132	I	Phenanthrene-d10A	1.000	1.000	0.0	106	0.09	8.66
133	M	Disulfoton		----------NA----------				
		----------	True	Calc.	% Drift	----------		
134	M	Dinoseb		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
135	M	Dimethoate		----------NA----------				
136	M	4-Aminobiphenyl		----------NA----------				
137	M	Methyl parathion		----------NA----------				
138	M	Parathion		----------NA----------				
139	M	Diphenylamine		----------NA----------				
140	M	Isodrin		----------NA----------				
141	M	Diallate		----------NA----------				
142	M	Pentachloronitrobenzene		----------NA----------				
143	M	Pronamide		----------NA----------				
		----------	True	Calc.	% Drift	----------		
144	M	4-Nitroquinoline 1-oxide		----------NA----------				
145	M	Methapyriline		----------NA----------				
146	M	sym-Trinitrobenzene		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
147	I	Chrysene-d12A	1.000	1.000	0.0	94	0.11	12.51
148		Aramite		----------NA----------				
149	M	p-(Dimethylamine)azobenze		----------NA----------				
150		Kepone		----------NA----------				
		----------	True	Calc.	% Drift	----------		

Initial Calibration Verification

Job Number: JE1534 **Sample:** EF9899-ICV9899
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** F222742.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

			AvgRF	CCRF	% Dev			
151	M	Famphur		----------NA----------				
			AvgRF	CCRF	% Dev			
152	M	2-Acetylaminofluorene		----------NA----------				
153	M	Chlorobenzilate		----------NA----------				
154	I	Perylene-d12A	1.000	1.000	0.0	95	0.11	14.59
			True	Calc.	% Drift			
155		Hexachlorophene		----------NA----------				
			AvgRF	CCRF	% Dev			
156		3-Methylcholanthrene		----------NA----------				
157	I	1,4-Dichlorobenzene-d4b	1.000	1.000	0.0	107	0.07	4.77
158		Benzaldehyde		----------NA----------				
159	I	Phenanthrene-d10b	1.000	1.000	0.0	121	0.09	8.66
160		Atrazine		----------NA----------				
161	I	Naphthalene-d8b	1.000	1.000	0.0	111	0.06	5.66
162		Caprolactam		----------NA----------				
163	I	Naphthalene-d8c	1.000	1.000	0.0	107	0.06	5.66
164		2-Chloroaniline		----------NA----------				
165		3-Chloroaniline		----------NA----------				
166		1-chloro-2-nitrobenzene		----------NA----------				
167	I	1,4-Dichlorobenzene-d4c	1.000	1.000	0.0	106	0.07	4.77
168		m-Toluidine		----------NA----------				
169	I	Chrysene-d12c	1.000	1.000	0.0	93	0.11	12.51
170		bis(2-Ethylhexyl)adipate		----------NA----------				
171	I	Chrysene-d12d	1.000	1.000	0.0	93	0.11	12.51
172		2,3,7,8-tcdd		----------NA----------				
173		Naphthalene-d8d	1.000	1.000	0.0	107	0.06	5.66
174	t	Salicylic acid		----------NA----------				
175		Chrysene-d12e	1.000	1.000	0.0	93	0.11	12.51
176		3,3'-Dimethylbenzidine		----------NA----------				
177		Perylene-d12b	1.000	1.000	0.0	98	0.11	14.59
178		4,4-Methylene-bis-(2-chlo		----------NA----------				
179		Naphthalene-d8e	1.000	1.000	0.0	107	0.06	5.66
180		Catechol		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F223137.D MF9899.M Fri Dec 06 12:34:39 2024 RT1

Initial Calibration Verification

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EF9899-ICV9899
Lab FileID: F222743.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF9899\f222743.D Vial: 12
Acq On : 7 Nov 2024 12:53 pm Operator: jackleey
Sample : icv9899-50 Inst : GCMSF
Misc : op58797b,ef9899,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9899.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Nov 08 09:33:11 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00	4.76
3	t	Pyridine	1.168	1.248	-6.8	102	0.00	2.94
4	t	N-Nitrosodimethylamine	0.607	0.580	4.4	103	0.00	2.92
10	t	Aniline	1.769	1.797	-1.6	103	0.00	4.54
22		n-Nitroso-di-n-propylamin	0.793	0.829	-4.5	103	0.00	5.04
24	I	Naphthalene-d8	1.000	1.000	0.0	103	0.00	5.66
39	t	4-Chloroaniline	0.400	0.416	-4.0	100	0.00	5.71
46	I	Acenaphthene-d10	1.000	1.000	0.0	106	0.00	7.04
54	t	2-Nitroaniline	0.272	0.286	-5.1	101	0.00	6.64
		----------	AvgRF	CCRF	% Dev	----------		
58	t	3-Nitroaniline	0.289	0.301	-4.2	101	0.00	7.00
68	t	4-Nitroaniline	0.308	0.294	4.5	91	0.00	7.61
69	I	Phenanthrene-d10	1.000	1.000	0.0	108	0.00	8.66
		----------	AvgRF	CCRF	% Dev	----------		
71	t	n-Nitrosodiphenylamine	0.589	0.586	0.5	101	0.00	7.71
83	I	Chrysene-d12	1.000	1.000	0.0	99	0.00	12.51
84	t	Benzidine	0.704	0.867	-23.2	118	0.00	10.56
89	t	3,3'-Dichlorobenzidine	0.423	0.470	-11.1	91	0.00	12.50

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F222739.D MF9899.M Fri Nov 08 09:57:45 2024 RT1

8.6.10

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Continuing Calibration Summary

Job Number: JE1534 **Sample:** EF9919-CC9899
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** F223255.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : X:\Dayton SVOA GCMS\...rose\EF9919\f223255.D Vial: 3
Acq On : 3 Dec 2024 9:17 am Operator: kaleigh
Sample : cc9899-50 Inst : GCMSF
Misc : op58797,ef9919,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : X:\Dayton SVOA G...methods\MF9899.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Dec 04 04:25:50 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	84	0.00	4.69
2	t	1,4-Dioxane	0.505	0.465	7.9	87	0.00	2.53
3	t	Pyridine	1.168	1.246	-6.7	82	0.00	2.80
4	t	N-Nitrosodimethylamine	0.607	0.563	7.2	81	0.00	2.76
5	S	2-Fluorophenol	1.074	1.164	-8.4	87	0.00	3.79
6	t	Indene	2.104	2.163	-2.8	84	0.00	4.87
7	t	Cumene	2.300	2.398	-4.3	87	0.00	4.13
8	S	Phenol-d5	1.249	1.379	-10.4	88	0.00	4.45
9	t	Phenol	1.395	1.603	-14.9	93	0.00	4.45
10	t	Aniline	1.769	1.783	-0.8	82	0.00	4.46
11	t	bis(2-Chloroethyl)ether	1.092	1.142	-4.6	85	0.00	4.50
12	t	2-Chlorophenol	1.201	1.288	-7.2	86	0.00	4.55
13	t	Decane	1.184	1.223	-3.3	86	0.00	4.57
14	t	1,3-Dichlorobenzene	1.426	1.527	-7.1	88	0.00	4.65
15	t	1,4-Dichlorobenzene	1.461	1.564	-7.0	88	0.00	4.70
16	t	Benzyl alcohol	0.738	0.786	-6.5	84	0.00	4.79
17	t	1,2-Dichlorobenzene	1.399	1.457	-4.1	87	0.00	4.81
18	t	Acetophenone	1.740	1.727	0.7	80	0.00	4.97
19	t	2-Methylphenol	1.027	1.095	-6.6	85	0.00	4.87
20	t	2,2'-oxybis(1-Chloropropa	0.348	0.341	2.0	81	0.00	4.87
21	t	3&4-Methylphenol	1.087	1.152	-6.0	83	0.00	4.98
22		n-Nitroso-di-n-propylamin	0.793	0.798	-0.6	80	0.00	4.97
23	t	Hexachloroethane	0.563	0.606	-7.6	86	0.00	5.05
24	I	Naphthalene-d8	1.000	1.000	0.0	82	0.00	5.59
25	S	Nitrobenzene-d5	0.285	0.315	-10.5	85	0.00	5.08
26	t	Nitrobenzene	0.306	0.338	-10.5	84	0.00	5.09
27	t	Quinoline	0.624	0.665	-6.6	85	0.00	5.85
28	t	Isophorone	0.559	0.571	-2.1	81	0.00	5.26
		----------	True	Calc.	% Drift	----------		
29	t	2-Nitrophenol	50.000	61.337	-22.7#	102	0.00	5.32
		----------	AvgRF	CCRF	% Dev	----------		
30	t	2,4-Dimethylphenol	0.309	0.329	-6.5	82	0.00	5.35
		----------	True	Calc.	% Drift	----------		
31	t	Benzoic acid	50.000	54.271	-8.5	88	0.00	5.44
		----------	AvgRF	CCRF	% Dev	----------		
32	t	bis(2-Chloroethoxy)methan	0.365	0.379	-3.8	83	0.00	5.41
33	t	2,4-Dichlorophenol	0.273	0.312	-14.3	88	0.00	5.49

8.6.11
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Continuing Calibration Summary

Job Number: JE1534 **Sample:** EF9919-CC9899
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** F223255.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

34		2,6-Dichlorophenol	0.280	0.305	-8.9	84	0.00	5.64
35		1,3,5-Trichlorobenzene	0.355	0.377	-6.2	84	0.00	5.32
36	t	1,2,4-Trichlorobenzene	0.331	0.358	-8.2	85	0.00	5.54
37		1,2,3-Trichlorobenzene	0.337	0.359	-6.5	83	0.00	5.70
38	t	Naphthalene	0.965	1.015	-5.2	85	0.00	5.60
39	t	4-Chloroaniline	0.400	0.410	-2.5	79	0.00	5.64
40	t	2,3-Dichloroaniline	0.332	0.342	-3.0	80	0.00	6.31
41	t	Hydroquinone	0.263	0.253	3.8	72	0.00	5.90
42	t	Hexachlorobutadiene	0.212	0.225	-6.1	83	0.00	5.68
43	t	4-Chloro-3-methylphenol	0.246	0.268	-8.9	82	0.00	5.99
44	t	2-Methylnaphthalene	0.581	0.620	-6.7	85	0.00	6.09
45	t	1-Methylnaphthalene	0.606	0.643	-6.1	85	0.00	6.17
46	I	Acenaphthene-d10	1.000	1.000	0.0	84	0.00	6.95
47	t	Hexachlorocyclopentadiene	0.391	0.474	-21.2#	95	0.00	6.21
48	t	1,2,4,5-tetrachlorobenzen	0.671	0.701	-4.5	82	0.00	6.22
49	t	2,4,6-Trichlorophenol	0.389	0.430	-10.5	84	0.00	6.31
50	t	2,4,5-Trichlorophenol	0.445	0.485	-9.0	84	0.00	6.35
51	S	2-Fluorobiphenyl	1.402	1.467	-4.6	84	0.00	6.37
52	t	2-Chloronaphthalene	0.518	0.552	-6.6	84	0.00	5.64
53	t	Biphenyl	1.549	1.585	-2.3	83	0.00	6.46
54	t	2-Nitroaniline	0.272	0.299	-9.9	84	0.00	6.56
55	t	Dimethylphthalate	1.323	1.391	-5.1	85	0.00	6.71
56	t	Acenaphthylene	1.669	1.797	-7.7	85	0.00	6.82
			True	Calc.	% Drift			
57	t	2,6-Dinitrotoluene	50.000	56.906	-13.8	94	0.00	6.77
			AvgRF	CCRF	% Dev			
58	t	3-Nitroaniline	0.289	0.325	-12.5	87	0.00	6.93
59	t	Acenaphthene	1.286	1.285	0.1	83	0.00	6.98
			True	Calc.	% Drift			
60	t	2,4-Dinitrophenol	100.000	137.550	-37.6#	126	0.00	7.02
			AvgRF	CCRF	% Dev			
61	t	4-Nitrophenol	0.166	0.177	-6.6	83	0.00	7.11
62	t	Dibenzofuran	1.785	1.835	-2.8	84	0.00	7.15
			True	Calc.	% Drift			
63	t	2,4-Dinitrotoluene	50.000	58.719	-17.4	97	0.00	7.13
			AvgRF	CCRF	% Dev			
64		2,3,4,6-Tetrachlorophenol	0.343	0.392	-14.3	89	0.00	7.27
65	t	Diethylphthalate	1.391	1.449	-4.2	84	0.00	7.37
66	t	Fluorene	1.381	1.427	-3.3	82	0.00	7.48
67	t	4-Chlorophenyl-phenylethe	0.749	0.746	0.4	82	0.00	7.48
68	t	4-Nitroaniline	0.308	0.321	-4.2	79	0.00	7.52
69	I	Phenanthrene-d10	1.000	1.000	0.0	84	0.00	8.55
			True	Calc.	% Drift			
70	t	4,6-Dinitro-2-methylpheno	50.000	69.805	-39.6#	126	0.00	7.54
			AvgRF	CCRF	% Dev			
71	t	n-Nitrosodiphenylamine	0.589	0.616	-4.6	82	0.00	7.61
72	t	1,2-Diphenylhydrazine	0.622	0.611	1.8	79	0.00	7.65
73	S	2,4,6-Tribromophenol	0.097	0.116	-19.6	92	0.00	7.74
74	t	4-Bromophenyl-phenylether	0.214	0.225	-5.1	84	0.00	8.02
75	t	Hexachlorobenzene	0.230	0.248	-7.8	87	0.00	8.08

Continuing Calibration Summary

Job Number: JE1534 **Sample:** EF9919-CC9899
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** F223255.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

			True	Calc.	% Drift			
76	t	Pentachlorophenol	100.000	111.301	-11.3	91	0.00	8.33
			AvgRF	CCRF	% Dev			
77	t	Phenanthrene	1.063	1.080	-1.6	84	0.00	8.58
78	t	Anthracene	1.045	1.084	-3.7	82	0.00	8.65
79	t	Carbazole	0.958	1.022	-6.7	83	0.00	8.87
80	t	Di-n-butylphthalate	1.131	1.257	-11.1	84	0.00	9.36
81	t	Fluoranthene	1.150	1.284	-11.7	86	0.00	10.20
82	t	Octadecane	0.359	0.393	-9.5	83	0.00	8.44
83	I	Chrysene-d12	1.000	1.000	0.0	83	0.00	12.37
84	t	Benzidine	0.704	0.592	15.9	67	0.00	10.44
85	t	Pyrene	1.322	1.397	-5.7	84	0.00	10.52
86	S	Terphenyl-d14	0.936	0.984	-5.1	83	0.00	10.80
			True	Calc.	% Drift			
87	t	Butylbenzylphthalate	50.000	56.467	-12.9	91	0.00	11.60
			AvgRF	CCRF	% Dev			
88	t	Benzo[a]anthracene	1.189	1.299	-9.3	84	0.00	12.35
89	t	3,3'-Dichlorobenzidine	0.423	0.504	-19.1	81	0.00	12.36
90	t	Chrysene	1.266	1.272	-0.5	81	0.00	12.41
			True	Calc.	% Drift			
91	t	bis(2-Ethylhexyl)phthalat	50.000	53.127	-6.3	84	0.00	12.54
			AvgRF	CCRF	% Dev			
92	I	Perylene-d12	1.000	1.000	0.0	84	0.00	14.46
			True	Calc.	% Drift			
93	t	Di-n-octylphthalate	50.000	54.996	-10.0	90	0.00	13.52
			AvgRF	CCRF	% Dev			
94	t	Benzo[b]fluoranthene	1.133	1.303	-15.0	84	0.00	13.95
95	t	Benzo[k]fluoranthene	1.143	1.245	-8.9	83	0.00	13.99
96	t	Benzo[a]pyrene	0.939	1.096	-16.7	86	0.00	14.38
			True	Calc.	% Drift			
97	t	Indeno[1,2,3-cd]pyrene	50.000	54.890	-9.8	89	0.00	15.83
			AvgRF	CCRF	% Dev			
98	t	Dibenz(a,h)acridine	0.847	0.985	-16.3	90	0.00	15.54
99	t	Dibenz[a,h]anthracene	0.991	1.167	-17.8	86	0.00	15.87
100	t	7,12-Dimethylbenz(a)anthr	0.493	0.527	-6.9	83	0.00	13.95
101	t	Benzo[g,h,i]perylene	0.951	1.117	-17.5	87	0.00	16.20

(#) = Out of Range SPCC's out = 0 CCC's out = 0
f223255.D MF9899.M Wed Dec 04 04:38:53 2024

8.6.11

8

Continuing Calibration Summary

Job Number: JE1534 **Sample:** EF9919-CC9895
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** F223256.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : X:\Dayton SVOA GCMS\...rose\EF9919\f223256.D Vial: 4
Acq On : 3 Dec 2024 9:40 am Operator: kaleigh
Sample : cc9895-50 Inst : GCMSF
Misc : op58797,ef9919,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : X:\Dayton SVOA G...methods\MF9899.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Dec 04 04:25:50 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
157 I	1,4-Dichlorobenzene-d4b	1.000	1.000	0.0	125	0.00	4.69
158	Benzaldehyde	1.145	0.926	19.1	110	0.00	4.38
159 I	Phenanthrene-d10b	1.000	1.000	0.0	146	0.00	8.55
160	Atrazine	0.190	0.187	1.6	130	-0.10	8.23
161 I	Naphthalene-d8b	1.000	1.000	0.0	124	0.00	5.59
162	Caprolactam	0.138	0.123	10.9	109	-0.01	5.88

(#) = Out of Range SPCC's out = 0 CCC's out = 0
f223255.D MF9899.M Wed Dec 04 04:38:58 2024

8.6.12

8

Run Sequence Report

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: EF9895	**Method:** EPA 625.1	**Instrument ID:** GCMSF

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
EF9895-DFTPP	F222664.D	10/29/24 10:13	n/a	DFTPP Tune
EF9895-IC9895	F222673.D	10/29/24 13:30	n/a	Initial cal 1
EF9895-IC9895	F222674.D	10/29/24 13:52	n/a	Initial cal 2
EF9895-IC9895	F222675.D	10/29/24 14:15	n/a	Initial cal 5
EF9895-IC9895	F222676.D	10/29/24 14:38	n/a	Initial cal 10
EF9895-IC9895	F222677.D	10/29/24 15:01	n/a	Initial cal 25
EF9895-ICC9895	F222678.D	10/29/24 15:23	n/a	Initial cal 50
EF9895-IC9895	F222679.D	10/29/24 15:46	n/a	Initial cal 80
EF9895-IC9895	F222680.D	10/29/24 16:09	n/a	Initial cal 100
EF9895-IC9895	F222681.D	10/29/24 16:31	n/a	Initial cal 1
EF9895-IC9895	F222682.D	10/29/24 16:54	n/a	Initial cal 2
EF9895-IC9895	F222683.D	10/29/24 17:17	n/a	Initial cal 5
EF9895-IC9895	F222684.D	10/29/24 17:39	n/a	Initial cal 10
EF9895-IC9895	F222685.D	10/29/24 18:02	n/a	Initial cal 25
EF9895-IC9895	F222686.D	10/29/24 18:25	n/a	Initial cal 50
EF9895-IC9895	F222687.D	10/29/24 18:47	n/a	Initial cal 80
EF9895-IC9895	F222688.D	10/29/24 19:10	n/a	Initial cal 100
EF9895-ICV9895	F222689.D	10/29/24 19:33	n/a	Initial cal verification 50
EF9895-ICV9895	F222690.D	10/29/24 19:55	n/a	Initial cal verification 50
EF9895-ICV9895	F222691.D	10/29/24 20:18	n/a	Initial cal verification 50
EF9895-ICV9895	F222692.D	10/29/24 20:41	n/a	Initial cal verification 50
EF9895-ICV9895	F222695.D	10/29/24 21:49	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: EF9899	**Method:** EPA 625.1	**Instrument ID:** GCMSF

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
EF9899-DFTPP	F222732A.D	11/07/24 08:48	n/a	DFTPP Tune
EF9899-IC9899	F222733.D	11/07/24 09:00	n/a	Initial cal 1
EF9899-IC9899	F222734.D	11/07/24 09:23	n/a	Initial cal 2
EF9899-IC9899	F222735.D	11/07/24 09:46	n/a	Initial cal 5
EF9899-IC9899	F222736.D	11/07/24 10:10	n/a	Initial cal 10
EF9899-IC9899	F222737.D	11/07/24 10:33	n/a	Initial cal 25
EF9899-ICC9899	F222739.D	11/07/24 10:56	n/a	Initial cal 50
EF9899-IC9899	F222738.D	11/07/24 11:20	n/a	Initial cal 80
EF9899-IC9899	F222740.D	11/07/24 11:43	n/a	Initial cal 100
EF9899-ICV9899	F222741.D	11/07/24 12:06	n/a	Initial cal verification 50
EF9899-ICV9899	F222742.D	11/07/24 12:30	n/a	Initial cal verification 50
EF9899-ICV9899	F222743.D	11/07/24 12:53	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: EF9919	**Method:** SW846 8270E	**Instrument ID:** GCMSF

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
EF9919-DFTPP	F223254.D	12/03/24 09:06	n/a	DFTPP Tune
EF9919-CC9899	F223255.D	12/03/24 09:17	n/a	Continuing cal 50
EF9919-CC9895	F223256.D	12/03/24 09:40	n/a	Continuing cal 50
OP59806-MB1	F223257.D	12/03/24 10:05	OP59806	Method Blank
OP59806B-MB1	F223257.D	12/03/24 10:05	OP59806B	Method Blank
OP59806-BS1	F223258.D	12/03/24 10:28	OP59806	Blank Spike
OP59806B-BS1	F223258.D	12/03/24 10:28	OP59806B	Blank Spike
OP59806-BSD	F223259.D	12/03/24 10:51	OP59806	Blank Spike Duplicate
OP59806B-BSD	F223259.D	12/03/24 10:51	OP59806B	Blank Spike Duplicate
OP59809-MB1	F223260.D	12/03/24 11:14	OP59809	Method Blank
OP59809B-MB1	F223260.D	12/03/24 11:14	OP59809B	Method Blank
OP59809B-BS1	F223261.D	12/03/24 11:36	OP59809B	Blank Spike
OP59809-BS1	F223261.D	12/03/24 11:36	OP59809	Blank Spike
OP59809-BSD	F223262.D	12/03/24 11:59	OP59809	Blank Spike Duplicate
OP59809B-BSD	F223262.D	12/03/24 11:59	OP59809B	Blank Spike Duplicate
ZZZZZZ	F223263.D	12/03/24 12:22	OP59809B	(unrelated sample)
ZZZZZZ	F223264.D	12/03/24 12:45	OP59809B	(unrelated sample)
ZZZZZZ	F223265.D	12/03/24 13:07	OP59809B	(unrelated sample)
ZZZZZZ	F223266.D	12/03/24 13:30	OP59809B	(unrelated sample)
ZZZZZZ	F223267.D	12/03/24 13:53	OP59809B	(unrelated sample)
ZZZZZZ	F223268.D	12/03/24 14:15	OP59809B	(unrelated sample)
ZZZZZZ	F223269.D	12/03/24 14:38	OP59809B	(unrelated sample)
ZZZZZZ	F223270.D	12/03/24 15:01	OP59809B	(unrelated sample)
ZZZZZZ	F223271.D	12/03/24 15:24	OP59809B	(unrelated sample)
ZZZZZZ	F223272.D	12/03/24 15:46	OP59809	(unrelated sample)
JE1534-8	F223273.D	12/03/24 16:09	OP59809	FB-3
ZZZZZZ	F223274.D	12/03/24 16:32	OP59809	(unrelated sample)
ZZZZZZ	F223275.D	12/03/24 16:55	OP59809	(unrelated sample)
ZZZZZZ	F223276.D	12/03/24 17:22	OP59809	(unrelated sample)
ZZZZZZ	F223277.D	12/03/24 17:44	OP59809	(unrelated sample)
ZZZZZZ	F223278.D	12/03/24 18:07	OP59809	(unrelated sample)
ZZZZZZ	F223279.D	12/03/24 18:30	OP59809	(unrelated sample)
ZZZZZZ	F223280.D	12/03/24 18:53	OP59809	(unrelated sample)

MS Semi-volatiles

Raw Data

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\EF9919\
Data File : f223273.D
Acq On : 3 Dec 2024 4:09 pm
Operator : kaleigh
Sample : je1534-8 Inst : GCMSF
Misc : op59809,ef9919,1000,,,1,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 04 07:08:26 2024
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MF9899.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Dec 04 04:40:25 2024
Response via : Initial Calibration

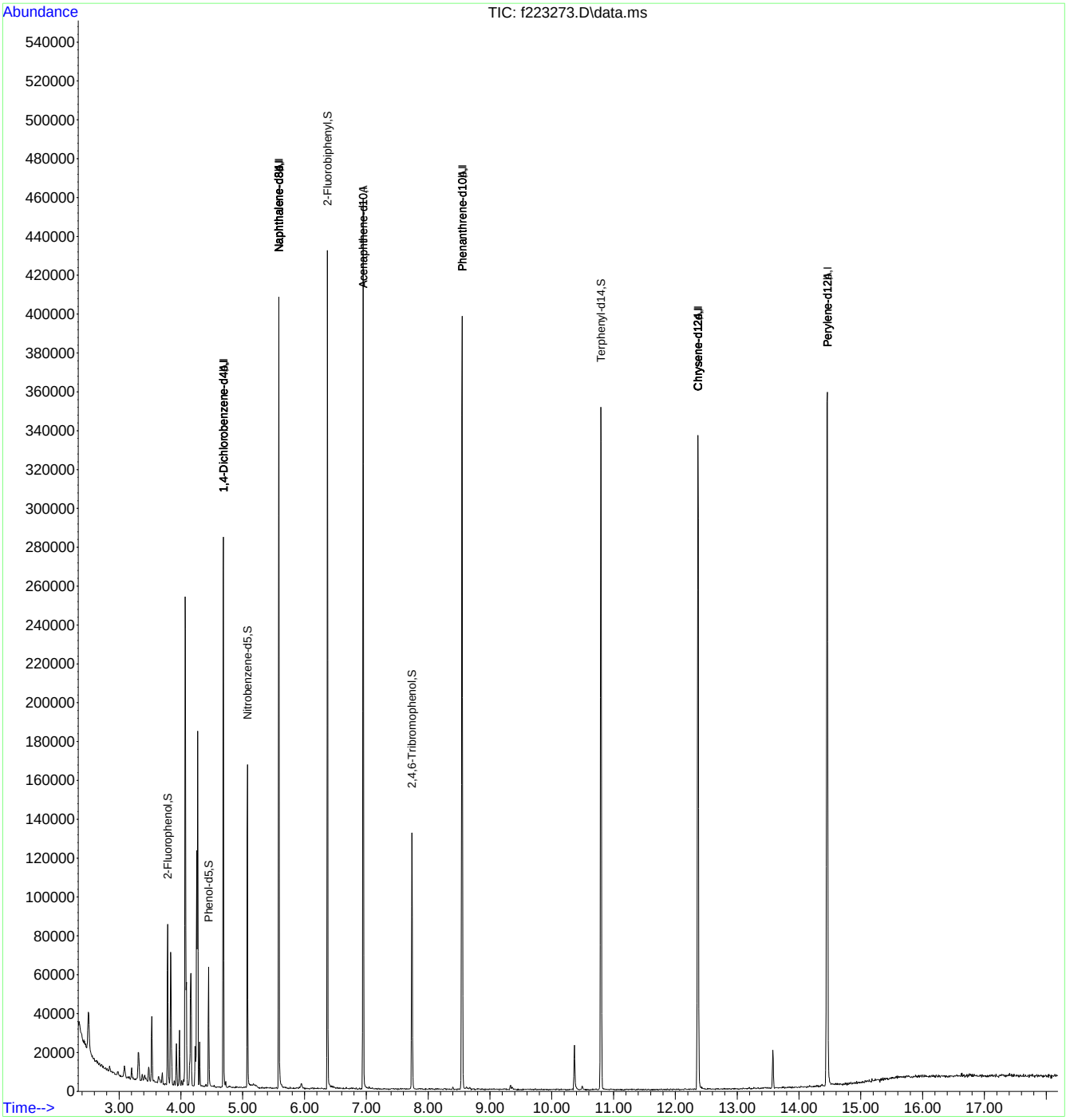
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.688	152	40381	40.00	ppm	0.00
24) Naphthalene-d8	5.585	136	153488	40.00	ppm	0.00
46) Acenaphthene-d10	6.948	164	85917	40.00	ppm	0.00
69) Phenanthrene-d10	8.550	188	166522	40.00	ppm	0.00
83) Chrysene-d12	12.365	240	155079	40.00	ppm	0.00
92) Perylene-d12	14.459	264	174705	40.00	ppm	0.00
102) 1,4-Dichlorobenzene-d4A	4.688	152	40381	40.00	ppm	0.00
112) Naphthalene-d8A	5.585	136	153488	40.00	ppm	0.00
121) Acenaphthene-d10A	6.948	164	85917	40.00	ppm	0.00
132) Phenanthrene-d10A	8.550	188	166522	40.00	ppm	0.00
147) Chrysene-d12A	12.365	240	155079	40.00	ppm	0.00
154) Perylene-d12A	14.459	264	174705	40.00	ppm	0.00
157) 1,4-Dichlorobenzene-d4b	4.688	152	40381	40.00	ppm	0.00
159) Phenanthrene-d10b	8.550	188	166522	40.00	ppm	0.00
161) Naphthalene-d8b	5.585	136	153488	40.00	ppm	0.00
163) Naphthalene-d8c	5.585	136	153488	40.00	ppm	0.00
167) 1,4-Dichlorobenzene-d4c	4.688	152	40381	40.00	ppm	0.00
169) Chrysene-d12c	12.365	240	155079	40.00	ppm	0.00
171) Chrysene-d12d	12.365	240	155079	40.00	ppm	0.00
173) Naphthalene-d8d	5.585	136	153488	40.00	ppm	0.00
175) Chrysene-d12e	12.365	240	155079	40.00	ppm	0.00
177) Perylene-d12b	14.459	264	174705	40.00	ppm	0.00
179) Naphthalene-d8e	5.585	136	153488	40.00	ppm	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.785	112	21450	19.78	ppm	0.00
Spiked Amount 50.000			Recovery = 39.56%			
8) Phenol-d5	4.447	99	17069	13.54	ppm	0.00
Spiked Amount 50.000			Recovery = 27.08%			
25) Nitrobenzene-d5	5.078	82	41457	37.90	ppm	0.00
Spiked Amount 50.000			Recovery = 75.80%			
51) 2-Fluorobiphenyl	6.371	172	108083	35.88	ppm	0.00
Spiked Amount 50.000			Recovery = 71.76%			
73) 2,4,6-Tribromophenol	7.738	330	16819	41.59	ppm	0.00
Spiked Amount 50.000			Recovery = 83.18%			
86) Terphenyl-d14	10.794	244	147824	40.76	ppm	0.00
Spiked Amount 50.000			Recovery = 81.52%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\EF9919\
Data File : f223273.D
Acq On : 3 Dec 2024 4:09 pm
Operator : kaleigh
Sample : je1534-8 Inst : GCMSF
Misc : op59809,ef9919,1000,,,1,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 04 07:08:26 2024
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MF9899.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Dec 04 04:40:25 2024
Response via : Initial Calibration



MF9899.M Wed Dec 04 08:04:17 2024 Page: 2

LSC Area Percent Report

Data Path : X:\Dayton SVOA GCMS\nerirose\EF9919\
Data File : f223273.D
Acq On : 3 Dec 2024 4:09 pm
Operator : kaleigh
Sample : je1534-8
Misc : op59809,ef9919,1000,,,1,1
ALS Vial : 21 Sample Multiplier: 1

Integration Parameters: lscint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 10 Area counts
Start Thrs: 0.01 Max Peaks: 200
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : X:\Dayton SVOA GCMS\nerirose\methods\MF9899.M
Title : Semi Volatile Extractables by GC/MS

Signal : TIC: f223273.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.068	317	325	333	rBV2	251488	253427	54.33%	6.685%
2	4.164	336	343	351	rVB2	58101	80296	17.21%	2.118%
3	4.271	351	363	366	rBV2	182718	231560	49.64%	6.108%
4	4.303	366	369	373	rVB	22844	15510	3.33%	0.409%
5	4.447	393	396	406	rVB	61577	45424	9.74%	1.198%
6	4.688	437	441	446	rBV	283192	219114	46.97%	5.780%
7	5.078	510	514	523	rBV	166279	123285	26.43%	3.252%
8	5.585	604	609	622	rBV	407757	287839	61.71%	7.593%
9	5.767	642	643	645	rBV	809	401	0.09%	0.011%
10	5.917	668	671	672	rBV3	987	669	0.14%	0.018%
11	5.949	673	677	687	rVB6	2878	5662	1.21%	0.149%
12	6.152	714	715	718	rBV2	684	587	0.13%	0.015%
13	6.275	736	738	744	rVB3	732	1104	0.24%	0.029%
14	6.371	752	756	767	rBV	431558	290233	62.22%	7.656%
15	6.675	810	813	822	rVB4	1000	1659	0.36%	0.044%
16	6.734	822	824	827	rBV2	567	631	0.14%	0.017%
17	6.766	827	830	831	rBV	698	599	0.13%	0.016%
18	6.835	841	843	846	rVB2	1045	813	0.17%	0.021%
19	6.889	851	853	856	rVB3	761	537	0.12%	0.014%
20	6.948	858	864	874	rBV	458081	349829	75.00%	9.228%
21	7.044	880	882	886	rBV3	1091	991	0.21%	0.026%
22	7.151	900	902	904	rVB2	504	421	0.09%	0.011%
23	7.193	907	910	913	rBV2	764	695	0.15%	0.018%
24	7.274	922	925	926	rBV	457	363	0.08%	0.010%
25	7.295	927	929	934	rVB3	614	582	0.12%	0.015%
26	7.327	934	935	939	rBV2	327	320	0.07%	0.008%
27	7.407	947	950	954	rBV3	468	799	0.17%	0.021%
28	7.466	959	961	964	rVV3	593	689	0.15%	0.018%
29	7.498	965	967	969	rVB3	554	530	0.11%	0.014%
30	7.557	974	978	980	rBV3	724	685	0.15%	0.018%
31	7.583	980	983	988	rBV2	537	728	0.16%	0.019%
32	7.653	994	996	998	rBV2	625	546	0.12%	0.014%
33	7.738	1007	1012	1022	rVB	131896	120748	25.89%	3.185%
34	7.899	1040	1042	1047	rVB2	555	684	0.15%	0.018%
35	8.027	1063	1066	1067	rVB2	652	550	0.12%	0.015%
36	8.123	1081	1084	1088	rBV	769	824	0.18%	0.022%
37	8.150	1088	1089	1092	rVV	763	667	0.14%	0.018%
38	8.182	1093	1095	1097	rVV3	534	435	0.09%	0.011%
39	8.219	1098	1102	1106	rVB3	449	767	0.16%	0.020%
40	8.267	1106	1111	1114	rBV2	699	1127	0.24%	0.030%

LSC Area Percent Report

Data Path : X:\Dayton SVOA GCMS\nerirose\EF9919\
Data File : f223273.D
Acq On : 3 Dec 2024 4:09 pm
Operator : kaleigh
Sample : je1534-8
Misc : op59809,ef9919,1000,,,1,1
ALS Vial : 21 Sample Multiplier: 1

Integration Parameters: lscint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 10 Area counts
Start Thrs: 0.01 Max Peaks: 200
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : X:\Dayton SVOA GCMS\nerirose\methods\MF9899.M
Title : Semi Volatile Extractables by GC/MS

41	8.401	1133	1136	1140	rVB3	1454	1368	0.29%	0.036%
42	8.454	1144	1146	1148	rVB2	606	507	0.11%	0.013%
43	8.476	1148	1150	1152	rBV2	627	568	0.12%	0.015%
44	8.550	1157	1164	1172	rVV	398205	388371	83.26%	10.245%
45	8.620	1175	1177	1184	rVV4	1671	2805	0.60%	0.074%
46	8.673	1184	1187	1191	rVB3	1488	1912	0.41%	0.050%
47	8.743	1197	1200	1203	rVB	749	879	0.19%	0.023%
48	8.796	1207	1210	1211	rVV2	481	373	0.08%	0.010%
49	8.871	1221	1224	1228	rVB3	604	737	0.16%	0.019%
50	8.908	1229	1231	1233	rVB2	812	517	0.11%	0.014%
51	8.930	1233	1235	1239	rBV	703	891	0.19%	0.024%
52	8.983	1243	1245	1246	rBV	557	356	0.08%	0.009%
53	9.047	1255	1257	1259	rBV2	337	305	0.07%	0.008%
54	9.165	1276	1279	1281	rBV2	679	585	0.13%	0.015%
55	9.229	1288	1291	1296	rBV2	616	776	0.17%	0.020%
56	9.336	1307	1311	1313	rBV2	2432	2859	0.61%	0.075%
57	9.357	1314	1315	1322	rVV2	1553	1898	0.41%	0.050%
58	9.405	1322	1324	1329	rVB2	499	671	0.14%	0.018%
59	9.469	1335	1336	1340	rBV	472	331	0.07%	0.009%
60	9.533	1346	1348	1349	rBV	786	349	0.07%	0.009%
61	9.651	1369	1370	1373	rVB2	516	310	0.07%	0.008%
62	9.710	1380	1381	1383	rBV2	553	338	0.07%	0.009%
63	9.731	1383	1385	1390	rVB3	623	723	0.15%	0.019%
64	9.774	1390	1393	1396	rBV	326	322	0.07%	0.008%
65	9.832	1402	1404	1406	rBV2	625	344	0.07%	0.009%
66	9.961	1425	1428	1430	rBV2	543	505	0.11%	0.013%
67	9.987	1430	1433	1437	rVV3	299	487	0.10%	0.013%
68	10.073	1447	1449	1451	rBV2	665	373	0.08%	0.010%
69	10.100	1451	1454	1458	rVB4	698	875	0.19%	0.023%
70	10.126	1458	1459	1461	rBV	513	418	0.09%	0.011%
71	10.287	1488	1489	1494	rBV3	504	617	0.13%	0.016%
72	10.340	1495	1499	1500	rVB2	701	732	0.16%	0.019%
73	10.367	1500	1504	1519	rBV	23192	27004	5.79%	0.712%
74	10.490	1521	1527	1532	rBV3	1958	2519	0.54%	0.066%
75	10.580	1542	1544	1546	rBV3	607	462	0.10%	0.012%
76	10.660	1558	1559	1562	rBV3	571	306	0.07%	0.008%
77	10.687	1562	1564	1567	rBV2	437	456	0.10%	0.012%
78	10.714	1567	1569	1576	rVB4	648	743	0.16%	0.020%
79	10.794	1576	1584	1593	rBV	351453	380027	81.47%	10.025%
80	10.960	1611	1615	1619	rBV3	574	601	0.13%	0.016%
81	11.040	1628	1630	1632	rVB2	450	382	0.08%	0.010%
82	11.061	1632	1634	1636	rBV2	604	607	0.13%	0.016%
83	11.115	1642	1644	1645	rVB	633	389	0.08%	0.010%
84	11.141	1648	1649	1654	rVB2	483	565	0.12%	0.015%
85	11.179	1654	1656	1659	rBV2	644	594	0.13%	0.016%

LSC Area Percent Report

Data Path : X:\Dayton SVOA GCMS\nerirose\EF9919\
Data File : f223273.D
Acq On : 3 Dec 2024 4:09 pm
Operator : kaleigh
Sample : je1534-8
Misc : op59809,ef9919,1000,,,1,1
ALS Vial : 21 Sample Multiplier: 1

Integration Parameters: lscint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 10 Area counts
Start Thrs: 0.01 Max Peaks: 200
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : X:\Dayton SVOA GCMS\nerirose\methods\MF9899.M
Title : Semi Volatile Extractables by GC/MS

86	11.259	1668	1671	1672	rBV2	438	395	0.08%	0.010%
87	11.296	1677	1678	1681	rBV2	579	363	0.08%	0.010%
88	11.328	1683	1684	1690	rVB3	652	743	0.16%	0.020%
89	11.371	1690	1692	1694	rBV2	566	439	0.09%	0.012%
90	11.398	1694	1697	1701	rBV4	562	501	0.11%	0.013%
91	11.462	1706	1709	1711	rVB2	544	519	0.11%	0.014%
92	11.483	1711	1713	1717	rBV	594	531	0.11%	0.014%
93	11.515	1717	1719	1723	rVB3	538	475	0.10%	0.013%
94	11.563	1723	1728	1734	rVB4	576	948	0.20%	0.025%
95	11.611	1736	1737	1739	rVB	516	318	0.07%	0.008%
96	11.649	1741	1744	1748	rBV3	613	771	0.17%	0.020%
97	11.702	1752	1754	1758	rVB	591	454	0.10%	0.012%
98	11.740	1758	1761	1764	rBV3	546	524	0.11%	0.014%
99	11.772	1764	1767	1771	rVB	582	507	0.11%	0.013%
100	11.820	1771	1776	1779	rVB2	565	717	0.15%	0.019%
101	11.841	1779	1780	1782	rBV	551	344	0.07%	0.009%
102	11.868	1784	1785	1791	rBV2	677	808	0.17%	0.021%
103	11.921	1793	1795	1800	rVB	765	1051	0.23%	0.028%
104	11.964	1800	1803	1805	rBV2	773	685	0.15%	0.018%
105	12.023	1811	1814	1816	rBV	518	329	0.07%	0.009%
106	12.092	1823	1827	1828	rBV3	556	670	0.14%	0.018%
107	12.156	1835	1839	1844	rBV3	749	1178	0.25%	0.031%
108	12.247	1853	1856	1858	rBV3	560	671	0.14%	0.018%
109	12.311	1865	1868	1870	rBV2	685	707	0.15%	0.019%
110	12.365	1872	1878	1887	rBV2	336936	410659	88.04%	10.833%
111	12.520	1904	1907	1908	rBV	755	321	0.07%	0.008%
112	12.658	1931	1933	1935	rBV2	784	707	0.15%	0.019%
113	12.787	1955	1957	1959	rVB3	703	398	0.09%	0.010%
114	12.926	1980	1983	1986	rVB2	647	800	0.17%	0.021%
115	13.032	2001	2003	2005	rBV2	472	364	0.08%	0.010%
116	13.054	2005	2007	2013	rVV3	495	648	0.14%	0.017%
117	13.097	2013	2015	2019	rBV2	707	758	0.16%	0.020%
118	13.198	2027	2034	2038	rVB3	998	1437	0.31%	0.038%
119	13.268	2046	2047	2049	rBV	804	473	0.10%	0.012%
120	13.342	2055	2061	2065	rVB3	753	1028	0.22%	0.027%
121	13.438	2077	2079	2083	rBV3	482	641	0.14%	0.017%
122	13.577	2100	2105	2110	rVB2	19723	20995	4.50%	0.554%
123	14.031	2188	2190	2194	rBV3	565	499	0.11%	0.013%
124	14.459	2263	2270	2281	rBV	357173	466460	100.00%	12.305%

Sum of corrected areas: 3790923

LSC Report - Integrated Chromatogram

```
Data Path : X:\Dayton SVOA GCMS\nerirose\EF9919\
Data File : f223273.D
Acq On    :  3 Dec 2024   4:09 pm
Operator  : kaleigh
Sample    : je1534-8
Misc      : op59809,ef9919,1000,,,1,1
ALS Vial  : 21   Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MF9899.M
Quant Title  : Semi Volatile Extractables by GC/MS

TIC Library   : C:\Database\NIST08.L
TIC Integration Parameters: LSCINT.P
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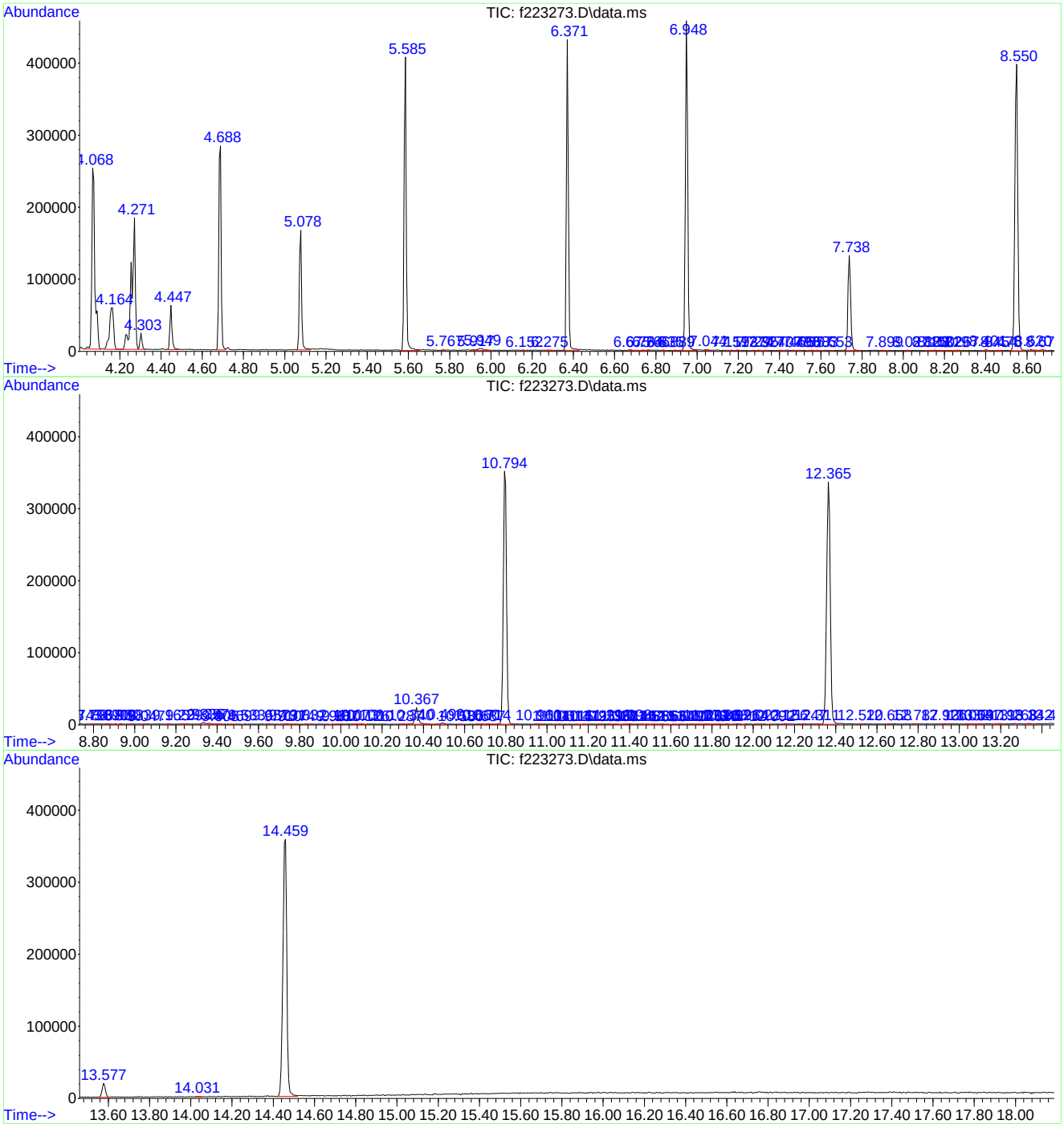


Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\nerirose\EF9919\
Data File : f223273.D
Acq On : 3 Dec 2024 4:09 pm
Operator : kaleigh
Sample : je1534-8
Misc : op59809,ef9919,1000,,,1,1
ALS Vial : 21 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MF9899.M
Quant Title : Semi Volatile Extractables by GC/MS

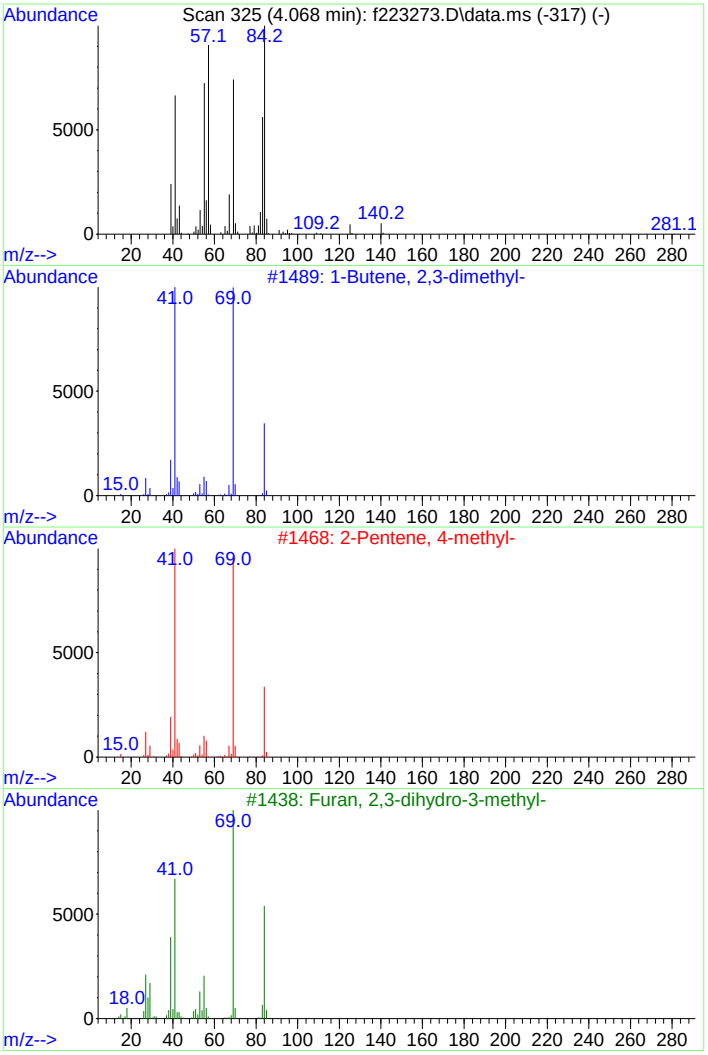
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: LSCINT.P

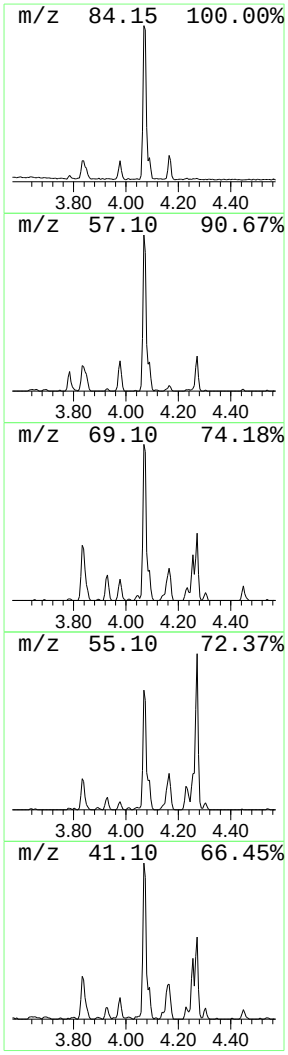
****

Peak Number 1 system artifact Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.068	46.26 ppm	253427	1,4-Dichlorobenzene-d4A	4.688

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butene, 2,3-dimethyl-	84	C6H12	000563-78-0	50
2	2-Pentene, 4-methyl-	84	C6H12	004461-48-7	50
3	Furan, 2,3-dihydro-3-methyl-	84	C5H8O	001708-27-6	50
4	Cyclopentane, 1,2,3,4,5-pentamet...	140	C10H20	1000152-79-7	50
5	1H-Imidazole, 4,5-dihydro-2-methyl-	84	C4H8N2	000534-26-9	43





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\nerirose\EF9919\
Data File : f223273.D
Acq On : 3 Dec 2024 4:09 pm
Operator : kaleigh
Sample : je1534-8
Misc : op59809,ef9919,1000,,,1,1
ALS Vial : 21 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MF9899.M
Quant Title : Semi Volatile Extractables by GC/MS

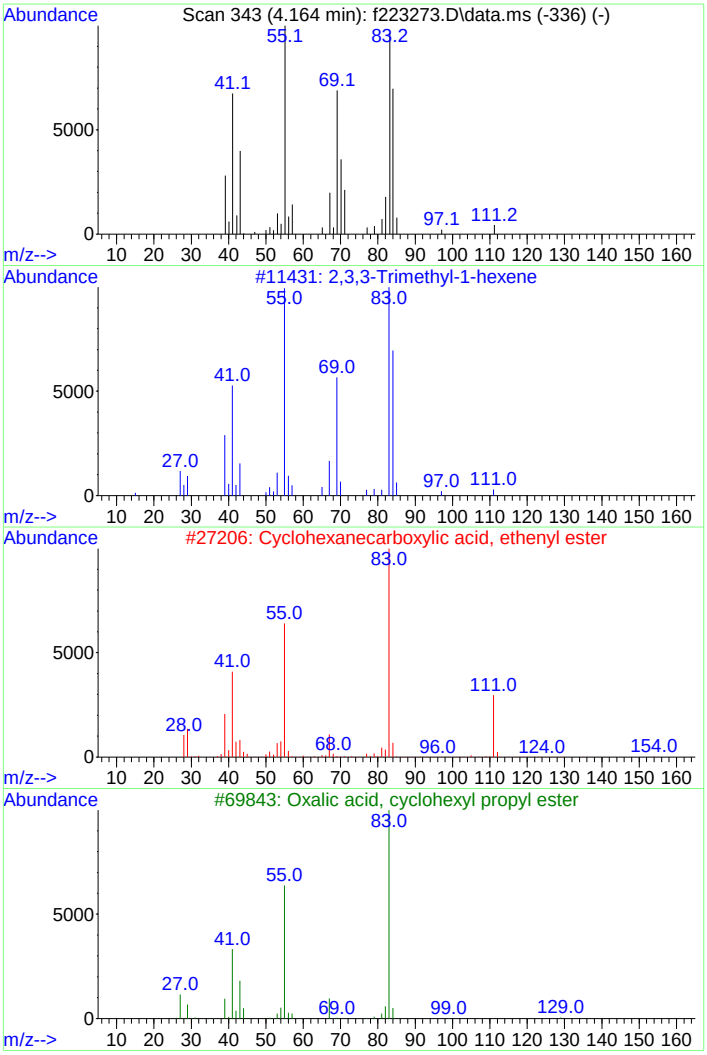
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: LSCINT.P

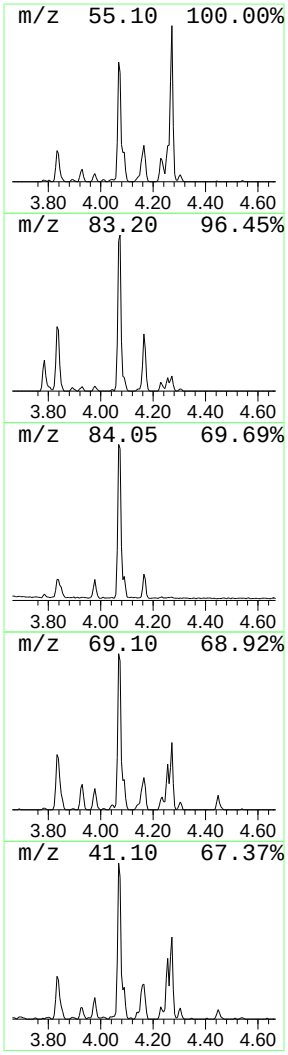
****

Peak Number 2 system artifact Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.164	14.66 ppm	80296	1,4-Dichlorobenzene-d4A	4.688

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,3-Trimethyl-1-hexene	126	C9H18	1000113-52-1	64
2	Cyclohexanecarboxylic acid, ethe...	154	C9H14O2	004840-76-0	43
3	Oxalic acid, cyclohexyl propyl e...	214	C11H18O4	1000309-30-3	43
4	Cyclohexane, bromo-	162	C6H11Br	000108-85-0	43
5	Cyclopropane, 2-bromo-1,1,3-trim...	162	C6H11Br	036617-00-2	38





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\nerirose\EF9919\
Data File : f223273.D
Acq On : 3 Dec 2024 4:09 pm
Operator : kaleigh
Sample : je1534-8
Misc : op59809,ef9919,1000,,,1,1
ALS Vial : 21 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MF9899.M
Quant Title : Semi Volatile Extractables by GC/MS

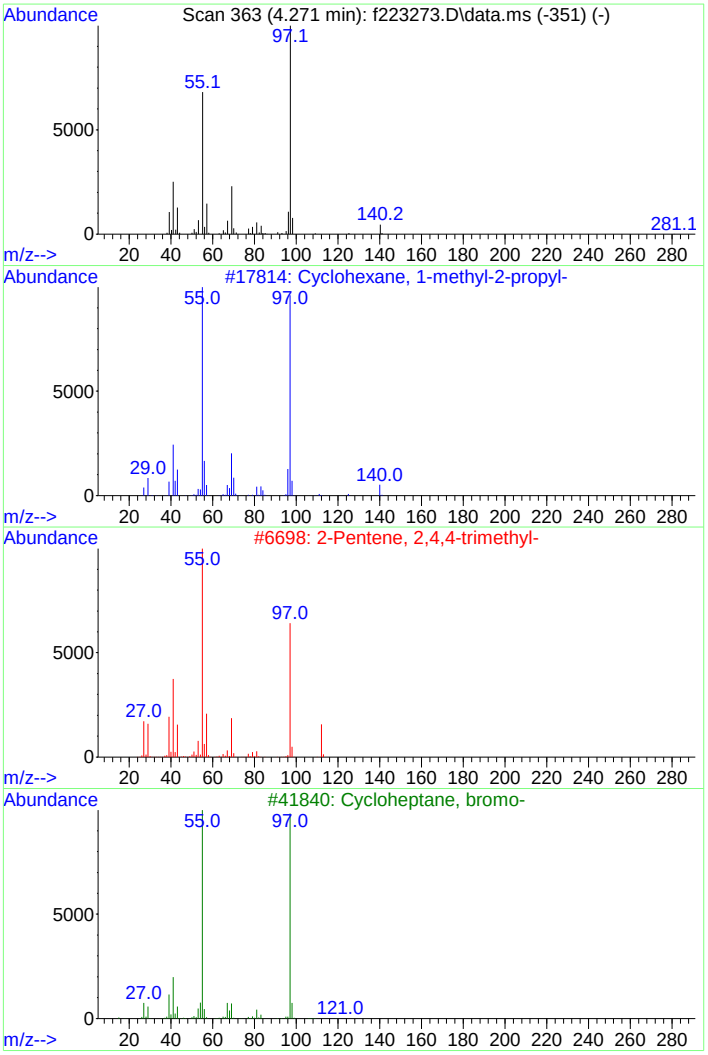
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: LSCINT.P

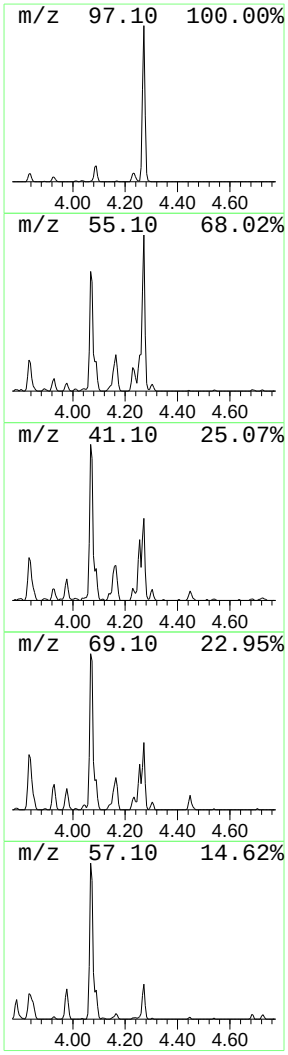
****

Peak Number 3 system artifact Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.271	42.27 ppm	231560	1,4-Dichlorobenzene-d4A	4.688

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	72
2	2-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-40-4	64
3	Cycloheptane, bromo-	176	C7H13Br	002404-35-5	59
4	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	59
5	1,3-Dimethylcyclohexane,c&t	112	C8H16	000591-21-9	59





Tentatively Identified Compound (LSC) summary

Data Path : X:\Dayton SVOA GCMS\nerirose\EF9919\
Data File : f223273.D
Acq On : 3 Dec 2024 4:09 pm
Operator : kaleigh
Sample : je1534-8
Misc : op59809,ef9919,1000,,,1,1
ALS Vial : 21 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MF9899.M
Quant Title : Semi Volatile Extractables by GC/MS

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
system artifact	4.068	46.3	ppm	253427	2	4.688	219114	40.0
system artifact	4.164	14.7	ppm	80296	2	4.688	219114	40.0
system artifact	4.271	42.3	ppm	231560	2	4.688	219114	40.0

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\EF9919\
Data File : f223260.D
Acq On : 3 Dec 2024 11:14 am
Operator : kaleigh
Sample : op59809-mb1 Inst : GCMSF
Misc : op59809,ef9919,1000,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 04 06:05:23 2024
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MF9899.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Dec 04 04:40:25 2024
Response via : Initial Calibration

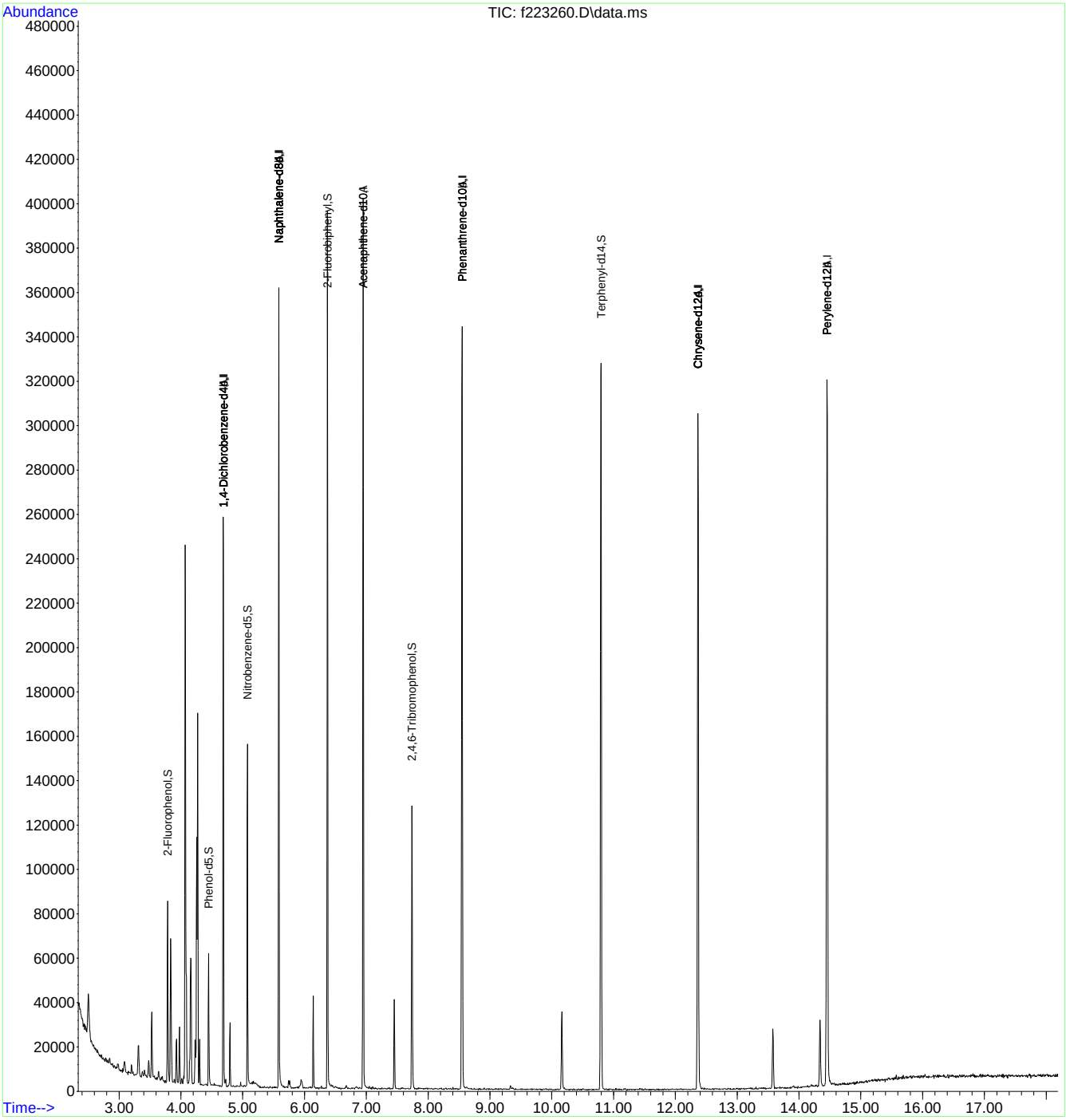
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.688	152	36259	40.00	ppm	0.00
24) Naphthalene-d8	5.585	136	135570	40.00	ppm	0.00
46) Acenaphthene-d10	6.948	164	75875	40.00	ppm	0.00
69) Phenanthrene-d10	8.550	188	147956	40.00	ppm	0.00
83) Chrysene-d12	12.365	240	139037	40.00	ppm	0.00
92) Perylene-d12	14.454	264	156608	40.00	ppm	0.00
102) 1,4-Dichlorobenzene-d4A	4.688	152	36259	40.00	ppm	0.00
112) Naphthalene-d8A	5.585	136	135570	40.00	ppm	0.00
121) Acenaphthene-d10A	6.948	164	75875	40.00	ppm	0.00
132) Phenanthrene-d10A	8.550	188	147956	40.00	ppm	0.00
147) Chrysene-d12A	12.365	240	139037	40.00	ppm	0.00
154) Perylene-d12A	14.454	264	156608	40.00	ppm	0.00
157) 1,4-Dichlorobenzene-d4b	4.688	152	36259	40.00	ppm	0.00
159) Phenanthrene-d10b	8.550	188	147956	40.00	ppm	0.00
161) Naphthalene-d8b	5.585	136	135570	40.00	ppm	0.00
163) Naphthalene-d8c	5.585	136	135570	40.00	ppm	0.00
167) 1,4-Dichlorobenzene-d4c	4.688	152	36259	40.00	ppm	0.00
169) Chrysene-d12c	12.365	240	139037	40.00	ppm	0.00
171) Chrysene-d12d	12.365	240	139037	40.00	ppm	0.00
173) Naphthalene-d8d	5.585	136	135570	40.00	ppm	0.00
175) Chrysene-d12e	12.365	240	139037	40.00	ppm	0.00
177) Perylene-d12b	14.454	264	156608	40.00	ppm	0.00
179) Naphthalene-d8e	5.585	136	135570	40.00	ppm	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.785	112	21249	21.82	ppm	0.00
Spiked Amount 50.000			Recovery = 43.64%			
8) Phenol-d5	4.448	99	17189	15.19	ppm	0.00
Spiked Amount 50.000			Recovery = 30.38%			
25) Nitrobenzene-d5	5.078	82	38986	40.35	ppm	0.00
Spiked Amount 50.000			Recovery = 80.70%			
51) 2-Fluorobiphenyl	6.371	172	99480	37.39	ppm	0.00
Spiked Amount 50.000			Recovery = 74.78%			
73) 2,4,6-Tribromophenol	7.738	330	15672	43.61	ppm	0.00
Spiked Amount 50.000			Recovery = 87.22%			
86) Terphenyl-d14	10.800	244	146227	44.97	ppm	0.00
Spiked Amount 50.000			Recovery = 89.94%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\EF9919\
Data File : f223260.D
Acq On : 3 Dec 2024 11:14 am
Operator : kaleigh
Sample : op59809-mb1 Inst : GCMSF
Misc : op59809,ef9919,1000,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 04 06:05:23 2024
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MF9899.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Dec 04 04:40:25 2024
Response via : Initial Calibration



LSC Area Percent Report

Data Path : X:\Dayton SVOA GCMS\nerirose\EF9919\
Data File : f223260.D
Acq On : 3 Dec 2024 11:14 am
Operator : kaleigh
Sample : op59809-mb1
Misc : op59809,ef9919,1000,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Integration Parameters: lscint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 10 Area counts
Start Thrs: 0.01 Max Peaks: 200
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : X:\Dayton SVOA GCMS\nerirose\methods\MF9899.M
Title : Semi Volatile Extractables by GC/MS

Signal : TIC: f223260.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.068	318	325	333	rBV2	242947	242710	59.02%	6.578%
2	4.159	335	342	348	rVV2	56979	77966	18.96%	2.113%
3	4.271	351	363	366	rVV2	167648	221252	53.80%	5.997%
4	4.303	366	369	373	rVB	20765	14336	3.49%	0.389%
5	4.448	393	396	404	rBV	59725	45361	11.03%	1.229%
6	4.538	412	413	415	rVB2	1112	424	0.10%	0.011%
7	4.683	436	440	445	rBV	256850	197731	48.08%	5.359%
8	4.725	446	448	452	rVV	3452	2382	0.58%	0.065%
9	4.795	454	461	468	rVV	28961	21124	5.14%	0.573%
10	4.848	469	471	475	rVB2	691	532	0.13%	0.014%
11	4.907	480	482	485	rBV4	577	397	0.10%	0.011%
12	4.966	491	493	501	rVB5	2219	2170	0.53%	0.059%
13	5.025	501	504	507	rBV3	781	889	0.22%	0.024%
14	5.078	510	514	522	rBV	154154	113839	27.68%	3.085%
15	5.163	528	530	531	rBV2	1229	713	0.17%	0.019%
16	5.281	551	552	554	rVB	922	452	0.11%	0.012%
17	5.329	558	561	562	rVB2	605	498	0.12%	0.013%
18	5.350	564	565	571	rVB3	807	729	0.18%	0.020%
19	5.393	571	573	578	rVB3	583	776	0.19%	0.021%
20	5.441	580	582	589	rVB2	961	1016	0.25%	0.028%
21	5.586	604	609	621	rBV	360865	255386	62.10%	6.922%
22	5.708	629	632	634	rBV2	528	525	0.13%	0.014%
23	5.740	636	638	640	rBV	3434	2814	0.68%	0.076%
24	5.762	640	642	649	rVB2	3300	2957	0.72%	0.080%
25	5.885	661	665	666	rVB2	572	609	0.15%	0.017%
26	5.943	669	676	683	rBV3	3909	7779	1.89%	0.211%
27	6.034	691	693	696	rVB4	469	311	0.08%	0.008%
28	6.082	696	702	703	rBV3	633	815	0.20%	0.022%
29	6.141	708	713	720	rVB	41848	29015	7.06%	0.786%
30	6.221	726	728	730	rVB2	753	616	0.15%	0.017%
31	6.243	730	732	735	rBV3	742	830	0.20%	0.022%
32	6.275	735	738	741	rVV2	1013	799	0.19%	0.022%
33	6.333	747	749	752	rBV3	483	467	0.11%	0.013%
34	6.371	752	756	765	rBV	395448	270968	65.89%	7.344%
35	6.435	766	768	770	rVB2	880	753	0.18%	0.020%
36	6.499	777	780	783	rBV	792	892	0.22%	0.024%
37	6.601	797	799	802	rBV2	631	558	0.14%	0.015%
38	6.643	805	807	808	rVV	453	326	0.08%	0.009%
39	6.675	808	813	818	rVV4	1561	2122	0.52%	0.058%
40	6.707	818	819	826	rVB3	650	635	0.15%	0.017%

LSC Area Percent Report

Data Path : X:\Dayton SVOA GCMS\nerirose\EF9919\
Data File : f223260.D
Acq On : 3 Dec 2024 11:14 am
Operator : kaleigh
Sample : op59809-mb1
Misc : op59809,ef9919,1000,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Integration Parameters: lscint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 10 Area counts
Start Thrs: 0.01 Max Peaks: 200
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : X:\Dayton SVOA GCMS\nerirose\methods\MF9899.M
Title : Semi Volatile Extractables by GC/MS

41	6.766	826	830	831	rBV2	611	479	0.12%	0.013%
42	6.841	838	844	850	rBV6	1226	2541	0.62%	0.069%
43	6.884	851	852	859	rVV3	885	1143	0.28%	0.031%
44	6.948	859	864	876	rVV	401154	308640	75.05%	8.365%
45	7.049	880	883	886	rVV4	1210	1221	0.30%	0.033%
46	7.103	890	893	895	rBV3	1273	1156	0.28%	0.031%
47	7.145	900	901	903	rVV2	635	369	0.09%	0.010%
48	7.204	907	912	914	rBV2	645	775	0.19%	0.021%
49	7.252	919	921	924	rBV	716	535	0.13%	0.015%
50	7.359	937	941	942	rBV2	568	611	0.15%	0.017%
51	7.375	942	944	946	rVB2	804	544	0.13%	0.015%
52	7.402	946	949	952	rBV2	547	653	0.16%	0.018%
53	7.450	954	958	963	rBV	40444	34367	8.36%	0.931%
54	7.567	977	980	981	rBV2	608	483	0.12%	0.013%
55	7.626	989	991	993	rVB	378	328	0.08%	0.009%
56	7.674	995	1000	1004	rVB2	504	827	0.20%	0.022%
57	7.738	1004	1012	1020	rBV	127849	112838	27.44%	3.058%
58	7.829	1027	1029	1031	rBV2	568	468	0.11%	0.013%
59	7.845	1031	1032	1035	rVV	726	469	0.11%	0.013%
60	7.867	1035	1036	1041	rVV	586	645	0.16%	0.017%
61	7.899	1041	1042	1047	rVB3	593	678	0.16%	0.018%
62	7.952	1050	1052	1055	rBV2	503	525	0.13%	0.014%
63	7.984	1055	1058	1060	rVB	665	549	0.13%	0.015%
64	8.011	1060	1063	1066	rBV3	584	688	0.17%	0.019%
65	8.112	1078	1082	1084	rBV	598	708	0.17%	0.019%
66	8.187	1093	1096	1099	rBV2	504	423	0.10%	0.011%
67	8.214	1099	1101	1104	rVB3	728	467	0.11%	0.013%
68	8.283	1109	1114	1118	rBV3	831	1597	0.39%	0.043%
69	8.326	1118	1122	1126	rVB2	441	485	0.12%	0.013%
70	8.358	1126	1128	1131	rVB2	638	467	0.11%	0.013%
71	8.401	1134	1136	1139	rBV3	1074	782	0.19%	0.021%
72	8.433	1139	1142	1145	rBV2	574	546	0.13%	0.015%
73	8.454	1145	1146	1151	rVB	658	785	0.19%	0.021%
74	8.486	1151	1152	1155	rBV	470	388	0.09%	0.011%
75	8.550	1155	1164	1173	rBV	343823	346320	84.21%	9.387%
76	8.625	1175	1178	1182	rVB2	721	943	0.23%	0.026%
77	8.748	1197	1201	1204	rVB3	675	632	0.15%	0.017%
78	8.802	1209	1211	1213	rVB	464	429	0.10%	0.012%
79	8.823	1213	1215	1217	rBV	814	584	0.14%	0.016%
80	8.839	1217	1218	1221	rVB2	565	429	0.10%	0.012%
81	8.908	1230	1231	1237	rVB4	912	755	0.18%	0.020%
82	8.951	1237	1239	1244	rBV2	586	748	0.18%	0.020%
83	8.989	1244	1246	1248	rBV2	574	414	0.10%	0.011%
84	9.015	1248	1251	1255	rBV2	383	508	0.12%	0.014%
85	9.053	1257	1258	1261	rBV2	409	321	0.08%	0.009%

LSC Area Percent Report

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Operator : kaleigh
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Misc : op59809,ef9919,1000,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Integration Parameters: lscint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 10 Area counts
Start Thrs: 0.01 Max Peaks: 200
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : X:\Dayton SVOA GCMS\nerirose\methods\MF9899.M
Title : Semi Volatile Extractables by GC/MS

86	9.090	1261	1265	1266	rBV	591	391	0.10%	0.011%
87	9.133	1272	1273	1275	rVB	694	338	0.08%	0.009%
88	9.149	1275	1276	1278	rBV	593	435	0.11%	0.012%
89	9.170	1278	1280	1282	rVV2	587	385	0.09%	0.010%
90	9.192	1282	1284	1286	rVB	489	321	0.08%	0.009%
91	9.224	1286	1290	1293	rBV2	536	643	0.16%	0.017%
92	9.330	1303	1310	1314	rBV2	1714	2020	0.49%	0.055%
93	9.416	1323	1326	1332	rBV3	536	633	0.15%	0.017%
94	9.496	1337	1341	1342	rVB	512	449	0.11%	0.012%
95	9.517	1342	1345	1347	rBV2	601	536	0.13%	0.015%
96	9.603	1359	1361	1364	rBV2	481	427	0.10%	0.012%
97	9.651	1364	1370	1371	rBV2	386	415	0.10%	0.011%
98	9.672	1371	1374	1377	rVB2	570	450	0.11%	0.012%
99	9.694	1377	1378	1380	rBV2	512	324	0.08%	0.009%
100	9.720	1380	1383	1385	rVB	347	308	0.07%	0.008%
101	9.790	1393	1396	1397	rBV	398	383	0.09%	0.010%
102	9.817	1398	1401	1403	rVB	584	512	0.12%	0.014%
103	9.870	1407	1411	1413	rBV2	591	721	0.18%	0.020%
104	9.902	1414	1417	1422	rVB4	402	558	0.14%	0.015%
105	9.934	1422	1423	1426	rVB	451	316	0.08%	0.009%
106	9.955	1426	1427	1431	rBV	532	709	0.17%	0.019%
107	9.993	1431	1434	1439	rVB4	586	662	0.16%	0.018%
108	10.062	1444	1447	1448	rBV	529	418	0.10%	0.011%
109	10.084	1448	1451	1452	rBV	494	357	0.09%	0.010%
110	10.164	1458	1466	1472	rBV	35350	39400	9.58%	1.068%
111	10.249	1481	1482	1487	rVB3	330	465	0.11%	0.013%
112	10.303	1490	1492	1499	rVB3	565	952	0.23%	0.026%
113	10.356	1499	1502	1504	rBV3	630	680	0.17%	0.018%
114	10.372	1504	1505	1510	rVV	422	420	0.10%	0.011%
115	10.431	1513	1516	1520	rBV2	725	810	0.20%	0.022%
116	10.506	1525	1530	1538	rBV2	811	1783	0.43%	0.048%
117	10.623	1551	1552	1557	rVB2	359	398	0.10%	0.011%
118	10.719	1565	1570	1572	rBV2	478	530	0.13%	0.014%
119	10.800	1577	1585	1596	rVV	327571	376257	91.49%	10.198%
120	10.880	1596	1600	1602	rVB2	536	393	0.10%	0.011%
121	10.944	1609	1612	1614	rBV3	555	631	0.15%	0.017%
122	10.992	1620	1621	1626	rBV2	504	590	0.14%	0.016%
123	11.035	1626	1629	1633	rVV	996	951	0.23%	0.026%
124	11.077	1635	1637	1639	rVB2	651	471	0.11%	0.013%
125	11.099	1639	1641	1643	rBV2	634	469	0.11%	0.013%
126	11.168	1650	1654	1656	rVV2	659	523	0.13%	0.014%
127	11.184	1656	1657	1662	rVB2	982	1219	0.30%	0.033%
128	11.227	1662	1665	1667	rBV	770	750	0.18%	0.020%
129	11.264	1671	1672	1677	rVB2	454	605	0.15%	0.016%

LSC Area Percent Report

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Data File : f223260.D
Acq On : 3 Dec 2024 11:14 am
Operator : kaleigh
Sample : op59809-mb1
Misc : op59809,ef9919,1000,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Integration Parameters: lscint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 10 Area counts
Start Thrs: 0.01 Max Peaks: 200
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : X:\Dayton SVOA GCMS\nerirose\methods\MF9899.M
Title : Semi Volatile Extractables by GC/MS

130	11.296	1677	1678	1682	rBV	536	354	0.09%	0.010%
131	11.323	1682	1683	1687	rVB	612	625	0.15%	0.017%
132	11.350	1687	1688	1690	rBV	715	525	0.13%	0.014%
133	11.425	1700	1702	1707	rVB3	829	758	0.18%	0.021%
134	11.510	1713	1718	1721	rBV2	723	889	0.22%	0.024%
135	11.590	1731	1733	1735	rBV	524	388	0.09%	0.011%
136	11.628	1738	1740	1741	rBV	409	334	0.08%	0.009%
137	11.702	1749	1754	1757	rBV3	653	861	0.21%	0.023%
138	11.793	1769	1771	1773	rBV3	588	382	0.09%	0.010%
139	11.825	1773	1777	1780	rBV4	592	686	0.17%	0.019%
140	11.868	1783	1785	1789	rVB5	518	629	0.15%	0.017%
141	11.905	1789	1792	1794	rBV2	440	440	0.11%	0.012%
142	11.932	1794	1797	1799	rBV3	485	475	0.12%	0.013%
143	11.948	1799	1800	1805	rVV2	398	488	0.12%	0.013%
144	12.018	1809	1813	1817	rVB3	471	529	0.13%	0.014%
145	12.087	1823	1826	1827	rBV	432	376	0.09%	0.010%
146	12.130	1833	1834	1838	rBV2	407	423	0.10%	0.011%
147	12.178	1839	1843	1847	rVV3	378	464	0.11%	0.013%
148	12.215	1848	1850	1854	rVB2	358	314	0.08%	0.009%
149	12.279	1856	1862	1863	rBV2	433	389	0.09%	0.011%
150	12.365	1869	1878	1890	rBV	304835	365860	88.96%	9.916%
151	12.434	1890	1891	1896	rVB3	767	947	0.23%	0.026%
152	12.466	1896	1897	1900	rBV	832	595	0.14%	0.016%
153	12.514	1905	1906	1912	rVB3	559	739	0.18%	0.020%
154	12.557	1912	1914	1918	rBV2	382	382	0.09%	0.010%
155	12.600	1918	1922	1926	rVB3	647	871	0.21%	0.024%
156	12.637	1926	1929	1932	rBV3	646	837	0.20%	0.023%
157	12.712	1940	1943	1944	rVB	676	502	0.12%	0.014%
158	12.749	1945	1950	1952	rVV3	465	774	0.19%	0.021%
159	12.808	1955	1961	1963	rVV3	569	1005	0.24%	0.027%
160	12.851	1967	1969	1975	rBV3	699	898	0.22%	0.024%
161	12.888	1975	1976	1980	rVB2	666	377	0.09%	0.010%
162	12.947	1984	1987	1989	rBV2	552	412	0.10%	0.011%
163	12.985	1992	1994	1997	rBV3	593	582	0.14%	0.016%
164	13.006	1997	1998	2001	rVB	649	464	0.11%	0.013%
165	13.038	2001	2004	2005	rVB	625	496	0.12%	0.013%
166	13.070	2005	2010	2013	rBV2	747	1221	0.30%	0.033%
167	13.139	2019	2023	2024	rBV2	485	566	0.14%	0.015%
168	13.220	2035	2038	2040	rVB3	754	704	0.17%	0.019%
169	13.246	2040	2043	2045	rBV3	600	372	0.09%	0.010%
170	13.284	2045	2050	2052	rBV	422	393	0.10%	0.011%
171	13.305	2052	2054	2056	rVV2	994	467	0.11%	0.013%
172	13.321	2056	2057	2060	rVB2	460	342	0.08%	0.009%
173	13.358	2060	2064	2066	rBV2	761	1052	0.26%	0.029%

LSC Area Percent Report

Data Path : X:\Dayton SVOA GCMS\nerirose\EF9919\
Data File : f223260.D
Acq On : 3 Dec 2024 11:14 am
Operator : kaleigh
Sample : op59809-mb1
Misc : op59809,ef9919,1000,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Integration Parameters: lscint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 10 Area counts
Start Thrs: 0.01 Max Peaks: 200
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : X:\Dayton SVOA GCMS\nerirose\methods\MF9899.M
Title : Semi Volatile Extractables by GC/MS

174	13.380	2067	2068	2070	rVV2	597	394	0.10%	0.011%
175	13.417	2073	2075	2077	rVV2	743	481	0.12%	0.013%
176	13.433	2077	2078	2081	rVB2	733	575	0.14%	0.016%
177	13.497	2086	2090	2093	rVV4	404	654	0.16%	0.018%
178	13.519	2093	2094	2098	rVV2	516	622	0.15%	0.017%
179	13.578	2100	2105	2110	rVB2	27123	31927	7.76%	0.865%
180	13.647	2117	2118	2120	rBV	520	376	0.09%	0.010%
181	13.727	2131	2133	2136	rVV2	623	583	0.14%	0.016%
182	13.775	2139	2142	2144	rVV2	589	404	0.10%	0.011%
183	13.807	2144	2148	2149	rVB	490	393	0.10%	0.011%
184	13.861	2157	2158	2160	rBV2	698	434	0.11%	0.012%
185	13.914	2161	2168	2171	rVB6	1185	1859	0.45%	0.050%
186	13.946	2173	2174	2178	rVB2	592	475	0.12%	0.013%
187	13.984	2180	2181	2184	rBV2	1014	798	0.19%	0.022%
188	14.032	2189	2190	2192	rVB2	633	370	0.09%	0.010%
189	14.069	2192	2197	2198	rBV3	666	959	0.23%	0.026%
190	14.138	2208	2210	2214	rVB4	927	764	0.19%	0.021%
191	14.197	2215	2221	2224	rBV5	1113	1518	0.37%	0.041%
192	14.341	2240	2248	2258	rBV	30261	39576	9.62%	1.073%
193	14.454	2262	2269	2283	rVV	318066	411265	100.00%	11.147%
194	14.646	2304	2305	2309	rBV3	859	915	0.22%	0.025%
195	14.865	2342	2346	2348	rBV4	826	921	0.22%	0.025%
196	14.940	2357	2360	2362	rBV2	1249	1050	0.26%	0.028%
197	15.282	2422	2424	2425	rBV2	1004	523	0.13%	0.014%
198	15.453	2452	2456	2460	rBV5	1158	1733	0.42%	0.047%
199	16.441	2638	2641	2644	rBV4	1488	2010	0.49%	0.054%
200	17.392	2817	2819	2823	rVB5	930	976	0.24%	0.026%

Sum of corrected areas: 3689487

LSC Report - Integrated Chromatogram

Data Path : X:\Dayton SVOA GCMS\nerirose\EF9919\
Data File : f223260.D
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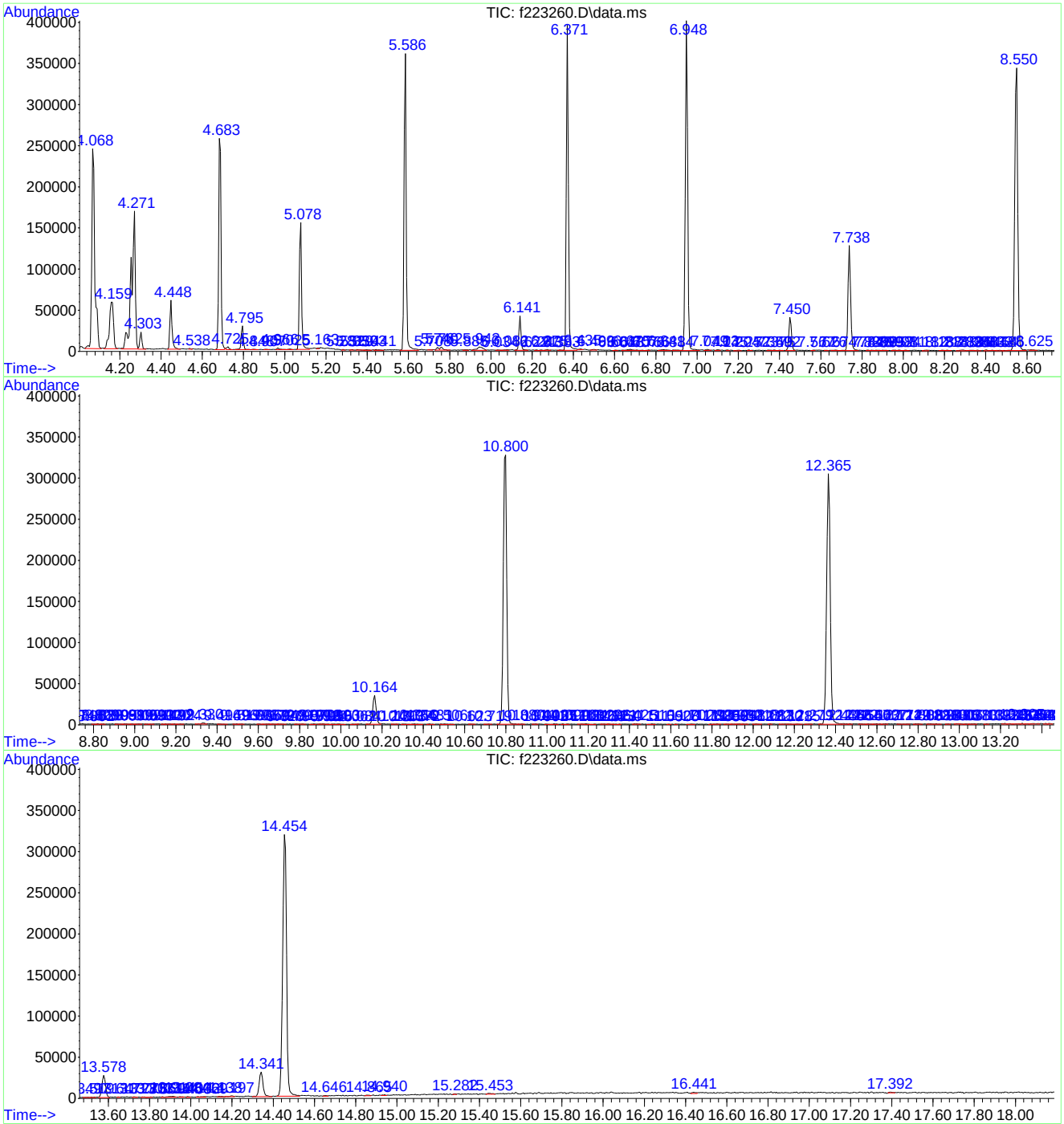
Sample : op59809-mb1
Misc : op59809,ef9919,1000,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MF9899.M
Quant Title : Semi Volatile Extractables by GC/MS

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\nerirose\EF9919\
Data File : f223260.D
Acq On : 3 Dec 2024 11:14 am
Operator : kaleigh
Sample : op59809-mb1
Misc : op59809,ef9919,1000,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MF9899.M
Quant Title : Semi Volatile Extractables by GC/MS

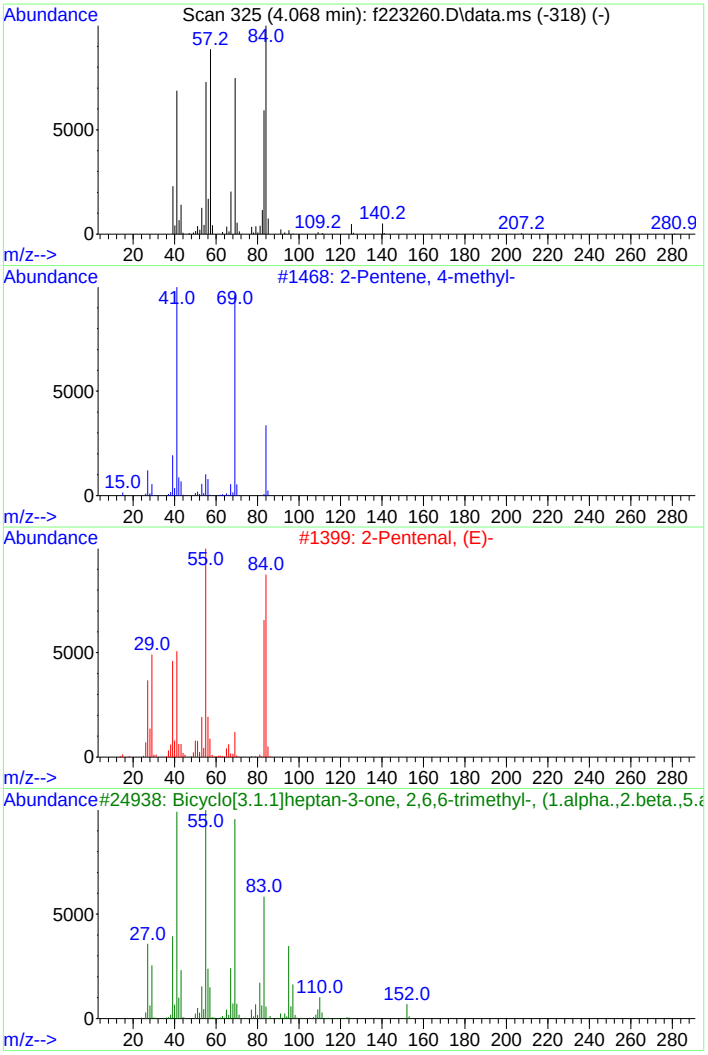
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: LSCINT.P

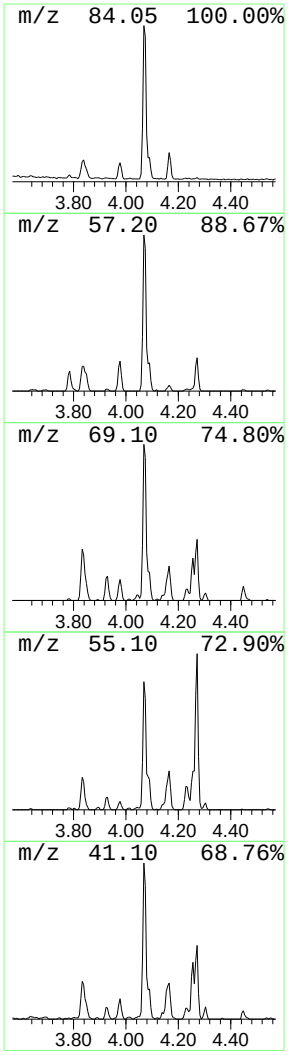
****

Peak Number 1 System artifact Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.068	49.10 ppm	242710	1,4-Dichlorobenzene-d4A	4.688

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 4-methyl-	84	C6H12	004461-48-7	47
2	2-Pentenal, (E)-	84	C5H8O	001576-87-0	43
3	Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	015358-88-0	43
4	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	38
5	1-Pentene, 3-methyl-	84	C6H12	000760-20-3	38





Library Search Compound Report

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Data File : f223260.D
Acq On : 3 Dec 2024 11:14 am
Operator : kaleigh
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Misc : op59809,ef9919,1000,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MF9899.M
Quant Title : Semi Volatile Extractables by GC/MS

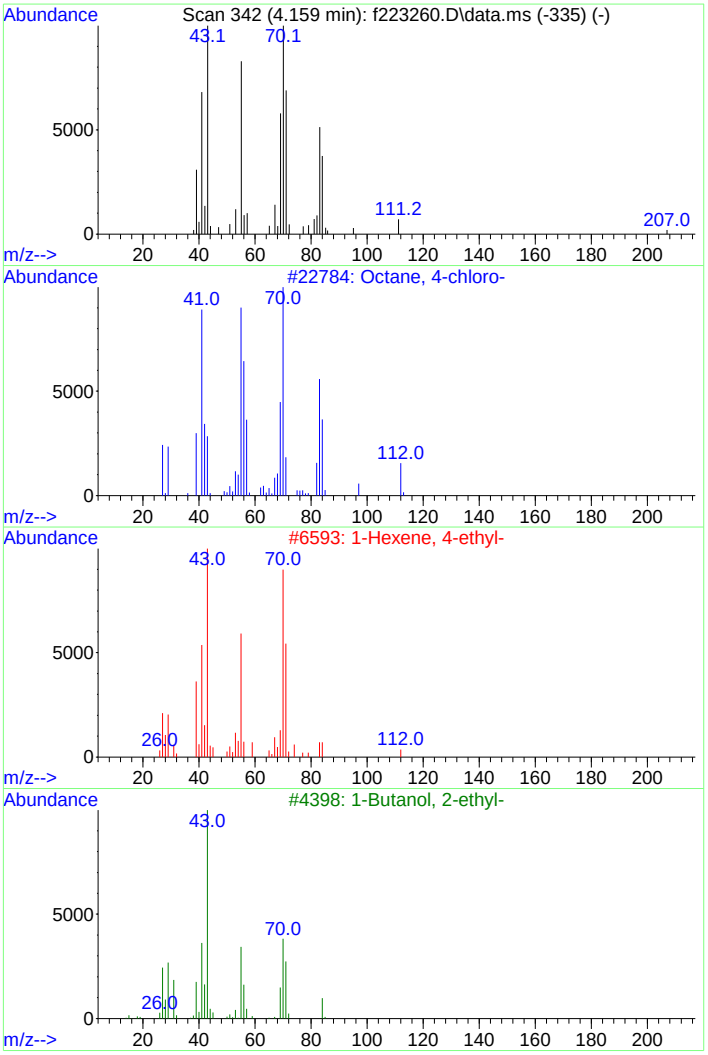
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: LSCINT.P

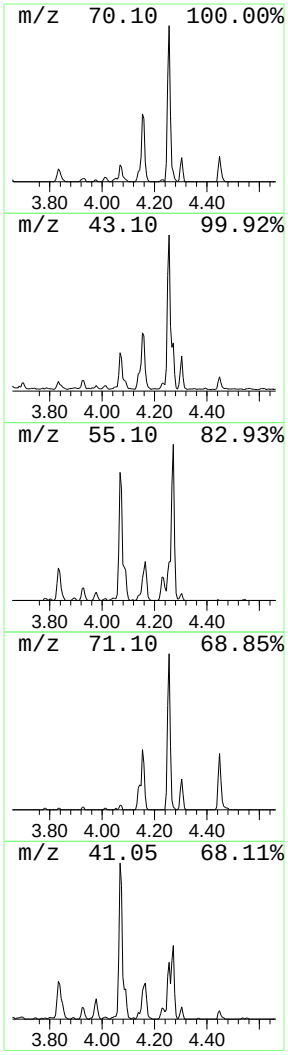
****

Peak Number 2 System artifact Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.159	15.77 ppm	77966	1,4-Dichlorobenzene-d4A	4.688

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 4-chloro-	148	C8H17Cl	000999-07-5	59
2	1-Hexene, 4-ethyl-	112	C8H16	016746-85-3	53
3	1-Butanol, 2-ethyl-	102	C6H14O	000097-95-0	53
4	3,3-Dimethyl-2-pentanol	116	C7H16O	019781-24-9	47
5	1-Octene, 3,7-dimethyl-	140	C10H20	004984-01-4	47





Library Search Compound Report

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Data File : f223260.D
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Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MF9899.M
Quant Title : Semi Volatile Extractables by GC/MS

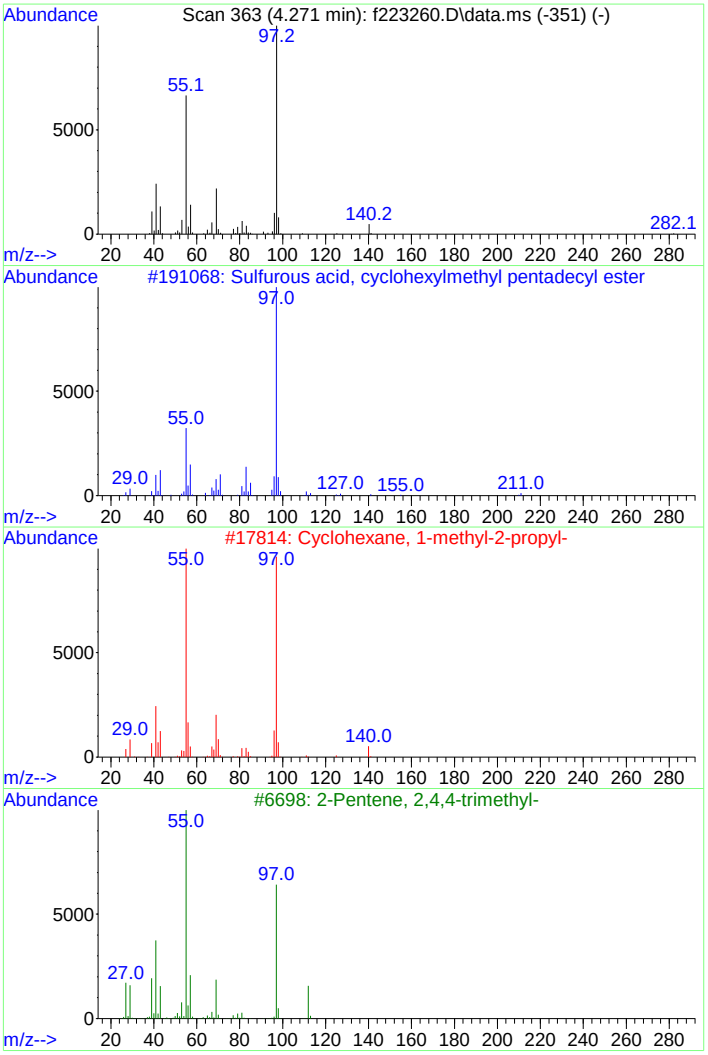
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: LSCINT.P

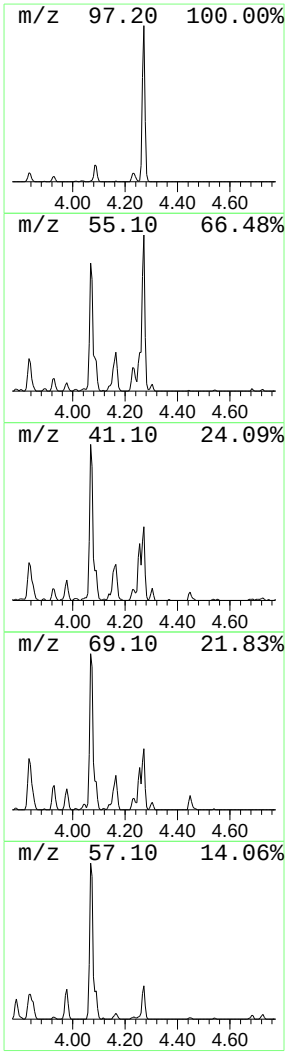
****

Peak Number 3 System artifact Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.271	44.76 ppm	221252	1,4-Dichlorobenzene-d4A	4.688

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, cyclohexylmethyl...	388	C22H44O3S	1000309-22-3	72
2	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	64
3	2-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-40-4	64
4	Sulfurous acid, di(cyclohexylmet...	274	C14H26O3S	1000309-22-7	64
5	2-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-40-4	64





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\nerirose\EF9919\
Data File : f223260.D
Acq On : 3 Dec 2024 11:14 am
Operator : kaleigh
Sample : op59809-mb1
Misc : op59809,ef9919,1000,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MF9899.M
Quant Title : Semi Volatile Extractables by GC/MS

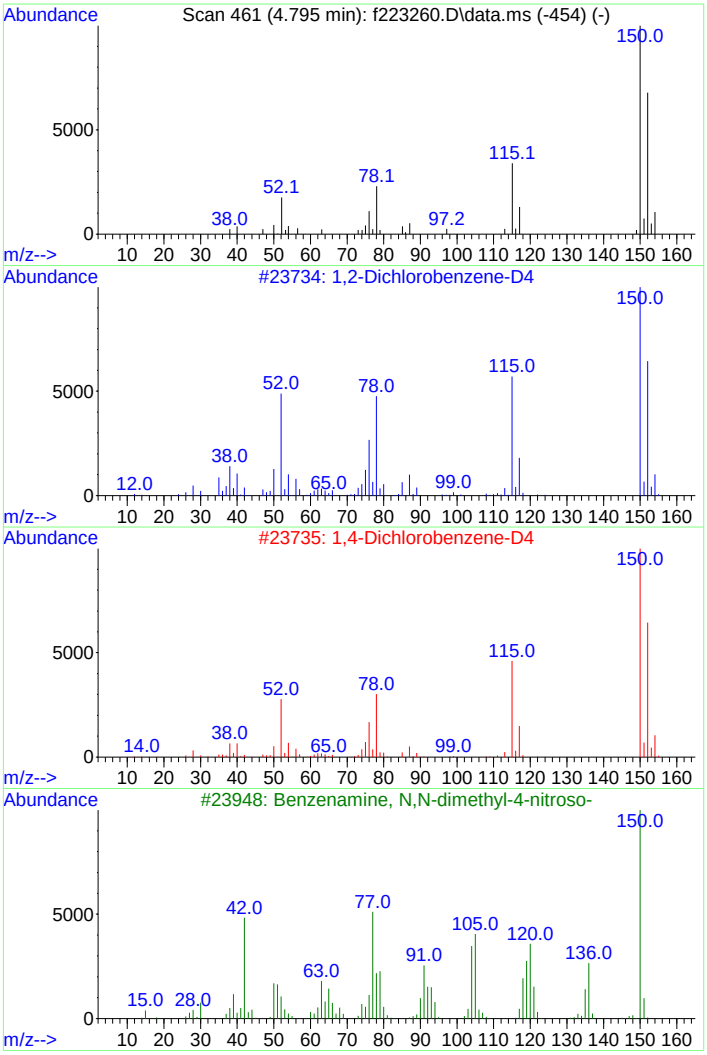
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: LSCINT.P

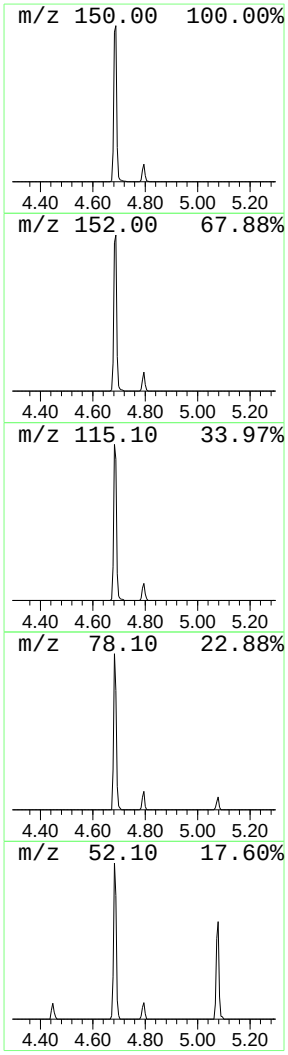
****

Peak Number 4 Internal standard added for... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.795	4.27 ppm	21124	1,4-Dichlorobenzene-d4c	4.688

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Dichlorobenzene-D4	150	C6D4Cl2	002199-69-1	96
2	1,4-Dichlorobenzene-D4	150	C6D4Cl2	003855-82-1	94
3	Benzenamine, N,N-dimethyl-4-nitr...	150	C8H10N2O	000138-89-6	37
4	2,5-Cyclohexadiene-1,4-dione, 3-...	362	C17H15ClN2O5	313480-08-9	35
5	2-Cyclohexene-1,4-dione, 5,6-dic...	398	C17H16Cl2N2O5	324051-66-3	35





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\nerirose\EF9919\
Data File : f223260.D
Acq On : 3 Dec 2024 11:14 am
Operator : kaleigh
Sample : op59809-mb1
Misc : op59809,ef9919,1000,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MF9899.M
Quant Title : Semi Volatile Extractables by GC/MS

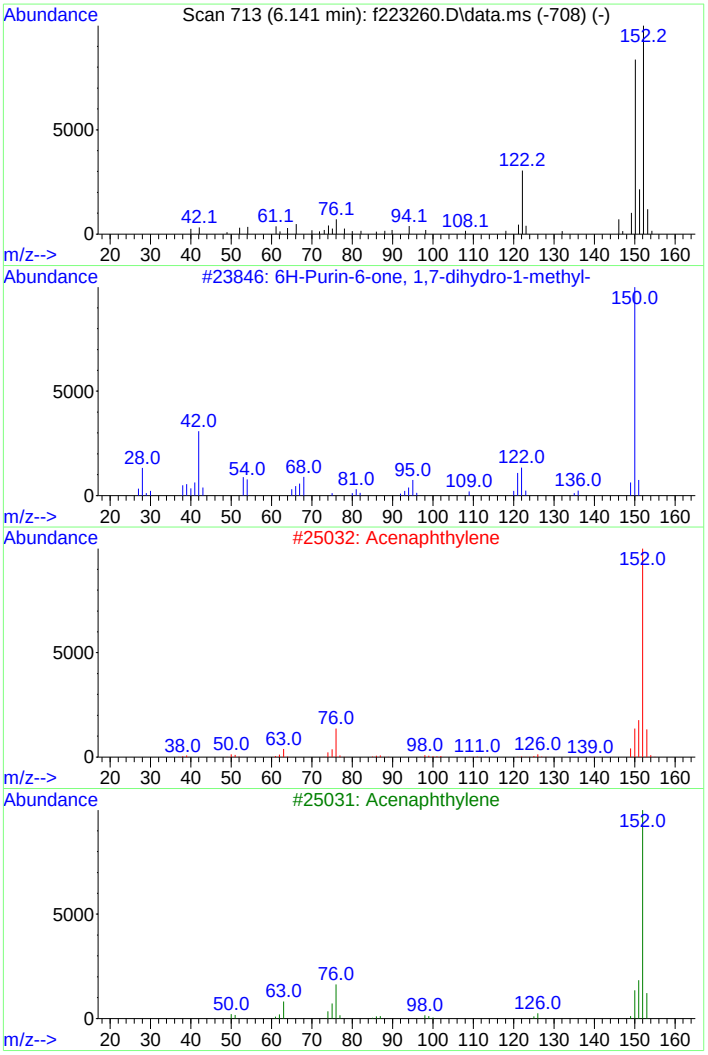
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: LSCINT.P

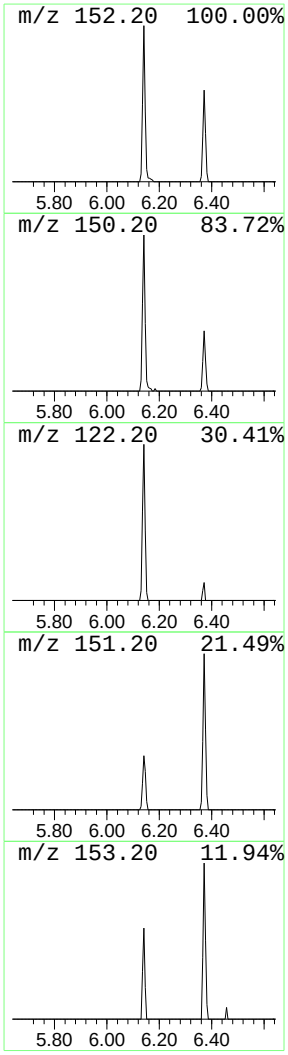
****

Peak Number 5 Internal standard added for... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.141	4.54 ppm	29015	Naphthalene-d8e	5.585

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Purin-6-one, 1,7-dihydro-1-me...	150	C6H6N4O	001125-39-9	35
2	Acenaphthylene	152	C12H8	000208-96-8	35
3	Acenaphthylene	152	C12H8	000208-96-8	35
4	Biphenylene	152	C12H8	000259-79-0	32
5	2H-Pyrido[3,2-b]-1,4-oxazin-3(4H...	150	C7H6N2O2	020348-09-8	27





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\nerirose\EF9919\
Data File : f223260.D
Acq On : 3 Dec 2024 11:14 am
Operator : kaleigh
Sample : op59809-mb1
Misc : op59809,ef9919,1000,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MF9899.M
Quant Title : Semi Volatile Extractables by GC/MS

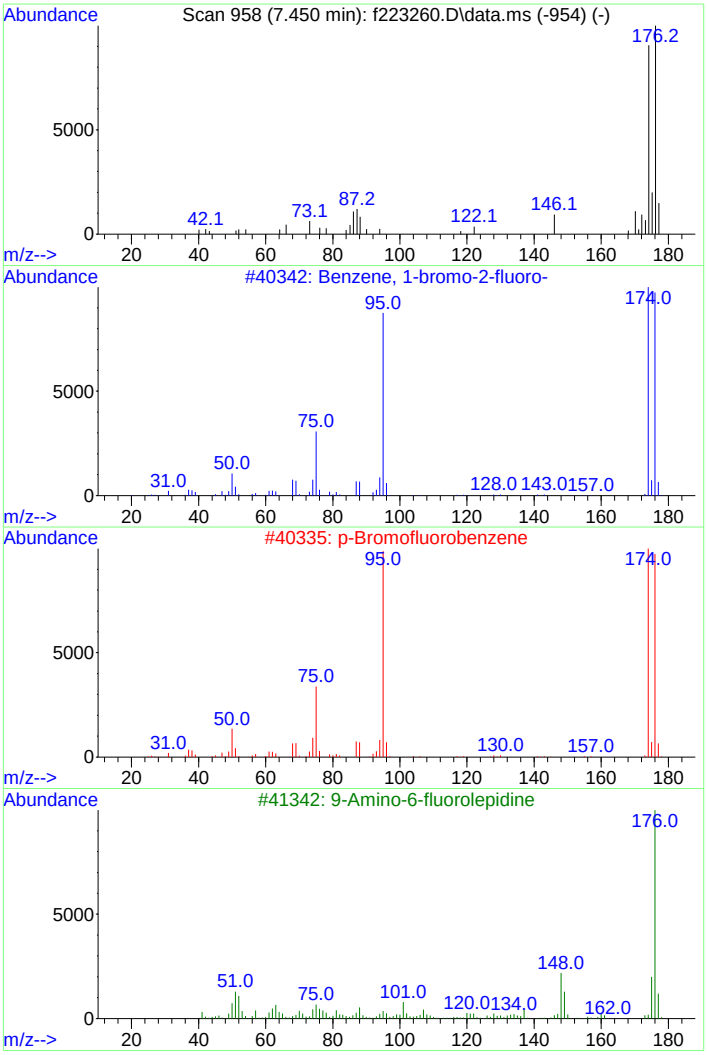
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: LSCINT.P

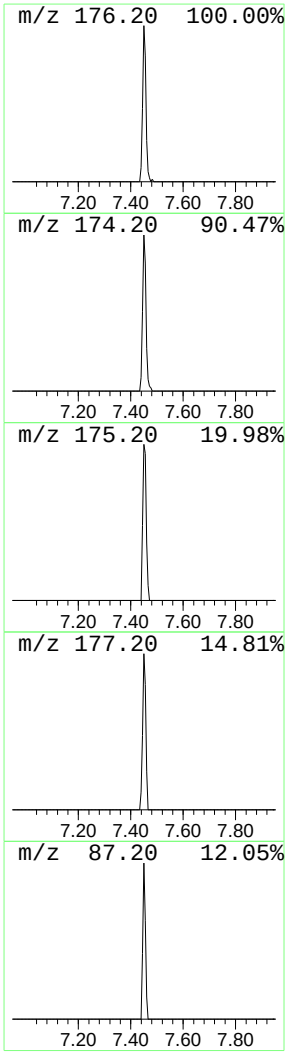
****

Peak Number 6 Internal standard added for... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.450	4.45 ppm	34367	Acenaphthene-d10A	6.948

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-bromo-2-fluoro-	174	C6H4BrF	001072-85-1	53
2	p-Bromofluorobenzene	174	C6H4BrF	000460-00-4	36
3	9-Amino-6-fluorolepidine	176	C10H9FN2	064993-16-4	25
4	Trifluoromethylbenzene, 3,4-diam...	176	C7H7F3N2	000368-71-8	17
5	1,2-Dihydro-1,3-dimethyl-2-oxoqu...	174	C10H10N2O	003149-25-5	10





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\nerirose\EF9919\
Data File : f223260.D
Acq On : 3 Dec 2024 11:14 am
Operator : kaleigh
Sample : op59809-mb1
Misc : op59809,ef9919,1000,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MF9899.M
Quant Title : Semi Volatile Extractables by GC/MS

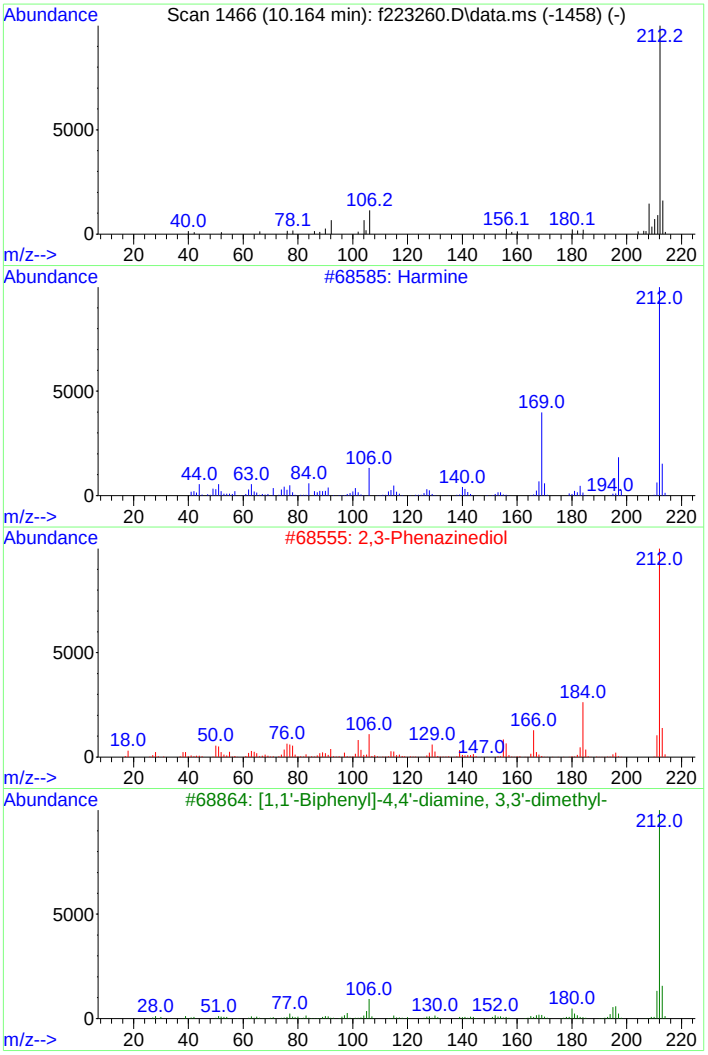
TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: LSCINT.P

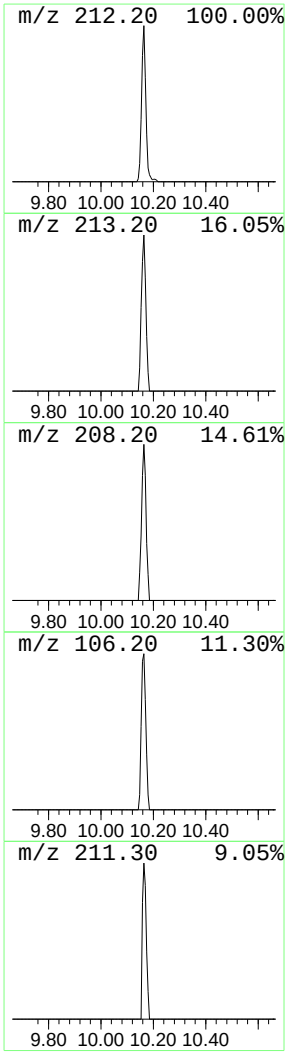
****

Peak Number 7 Internal standard added for... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.164	4.55 ppm	39400	Phenanthrene-d10b	8.550

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Harmine	212	C13H12N2O	000442-51-3	72
2	2,3-Phenazinediol	212	C12H8N2O2	019220-18-9	64
3	[1,1'-Biphenyl]-4,4'-diamine, 3,...	212	C14H16N2	000119-93-7	64
4	[1,1'-Biphenyl]-4,4'-diamine, 3,...	212	C14H16N2	000119-93-7	64
5	Harmine	212	C13H12N2O	000442-51-3	59





Tentatively Identified Compound (LSC) summary

Data Path : X:\Dayton SVOA GCMS\nerirose\EF9919\
Data File : f223260.D
Acq On : 3 Dec 2024 11:14 am
Operator : kaleigh
Sample : op59809-mb1
Misc : op59809,ef9919,1000,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MF9899.M
Quant Title : Semi Volatile Extractables by GC/MS

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
System artifact	4.068	49.1	ppm	242710	2	4.688	197731	40.0
System artifact	4.159	15.8	ppm	77966	2	4.688	197731	40.0
System artifact	4.271	44.8	ppm	221252	2	4.688	197731	40.0
Internal standa...	4.795	4.3	ppm	21124	4	4.688	197731	40.0
Internal standa...	6.141	4.5	ppm	29015	10	5.585	255386	40.0
Internal standa...	7.450	4.5	ppm	34367	12	6.948	308640	40.0
Internal standa...	10.164	4.5	ppm	39400	15	8.550	346320	40.0

GC/LC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Internal Standard Area Summaries
- DDT/Endrin Breakdown Checks
- GC Identification Summaries (Hits)
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59820-MB1	8G62766.D	1	12/03/24	CP	12/02/24	OP59820	G8G2700

The QC reported here applies to the following samples: **Method:** SW846 8081B

JE1534-8

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0037	0.0017	ug/l	
319-84-6	alpha-BHC	ND	0.0037	0.0017	ug/l	
319-85-7	beta-BHC	ND	0.0037	0.0028	ug/l	
319-86-8	delta-BHC	ND	0.0037	0.00081	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.0037	0.0022	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0037	0.0014	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0037	0.0012	ug/l	
57-74-9	Chlordane (alpha and gamma)	ND	0.0037	0.0012	ug/l	
60-57-1	Dieldrin	ND	0.0037	0.0027	ug/l	
72-54-8	4,4'-DDD	ND	0.0037	0.0016	ug/l	
72-55-9	4,4'-DDE	ND	0.0037	0.00095	ug/l	
50-29-3	4,4'-DDT	ND	0.0037	0.0022	ug/l	
72-20-8	Endrin	ND	0.0037	0.0019	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.0037	0.00048	ug/l	
7421-93-4	Endrin aldehyde	ND	0.0037	0.0018	ug/l	
53494-70-5	Endrin ketone	ND	0.0037	0.0027	ug/l	
959-98-8	Endosulfan-I	ND	0.0037	0.0022	ug/l	
33213-65-9	Endosulfan-II	ND	0.0037	0.0013	ug/l	
76-44-8	Heptachlor	ND	0.0037	0.0022	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.0037	0.0017	ug/l	
72-43-5	Methoxychlor	ND	0.0074	0.0043	ug/l	
8001-35-2	Toxaphene	ND	0.092	0.062	ug/l	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	79%	50-150%
877-09-8	Tetrachloro-m-xylene	71%	50-150%
2051-24-3	Decachlorobiphenyl	109%	50-150%
2051-24-3	Decachlorobiphenyl	83%	50-150%

Method Blank Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59821-MB1	RL23106.D	1	12/03/24	CP	12/02/24	OP59821	GRL552

The QC reported here applies to the following samples: **Method:** SW846 8082A

JE1534-8

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.18	0.050	ug/l	
11104-28-2	Aroclor 1221	ND	0.18	0.096	ug/l	
11141-16-5	Aroclor 1232	ND	0.18	0.071	ug/l	
53469-21-9	Aroclor 1242	ND	0.18	0.040	ug/l	
12672-29-6	Aroclor 1248	ND	0.18	0.036	ug/l	
11097-69-1	Aroclor 1254	ND	0.18	0.068	ug/l	
11096-82-5	Aroclor 1260	ND	0.18	0.11	ug/l	
11100-14-4	Aroclor 1268	ND	0.18	0.063	ug/l	
37324-23-5	Aroclor 1262	ND	0.18	0.040	ug/l	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	88%	50-150%
877-09-8	Tetrachloro-m-xylene	100%	50-150%
2051-24-3	Decachlorobiphenyl	127%	50-150%
2051-24-3	Decachlorobiphenyl	128%	50-150%

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59820-BS1	8G62767.D	1	12/03/24	CP	12/02/24	OP59820	G8G2700
OP59820-BSD	8G62768.D	1	12/03/24	CP	12/02/24	OP59820	G8G2700

The QC reported here applies to the following samples: **Method:** SW846 8081B

JE1534-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
309-00-2	Aldrin	0.0921	0.031	34* [a]	0.041	45* [a]	28	70-130/30
319-84-6	alpha-BHC	0.0921	0.078	85	0.072	78	8	70-130/30
319-85-7	beta-BHC	0.0921	0.074	80	0.076	83	3	70-130/30
319-86-8	delta-BHC	0.0921	0.079	86	0.081	88	3	70-130/30
58-89-9	gamma-BHC (Lindane)	0.0921	0.079	86	0.081	88	3	70-130/30
5103-71-9	alpha-Chlordane	0.0921	0.072	78	0.075	81	4	70-130/30
5103-74-2	gamma-Chlordane	0.0921	0.073	79	0.077	84	5	70-130/30
57-74-9	Chlordane (alpha and gamma)	0.184	0.14	76	0.15	81	7	70-130/30
60-57-1	Dieldrin	0.0921	0.082	89	0.084	91	2	70-130/30
72-54-8	4,4'-DDD	0.0921	0.086	93	0.088	96	2	70-130/30
72-55-9	4,4'-DDE	0.0921	0.076	83	0.079	86	4	70-130/30
50-29-3	4,4'-DDT	0.0921	0.081	88	0.083	90	2	70-130/30
72-20-8	Endrin	0.0921	0.094	102	0.096	104	2	70-130/30
1031-07-8	Endosulfan sulfate	0.0921	0.081	88	0.083	90	2	70-130/30
7421-93-4	Endrin aldehyde	0.0921	0.080	87	0.084	91	5	70-130/30
53494-70-5	Endrin ketone	0.0921	0.075	81	0.076	83	1	70-130/30
959-98-8	Endosulfan-I	0.0921	0.080	87	0.082	89	2	70-130/30
33213-65-9	Endosulfan-II	0.0921	0.082	89	0.084	91	2	70-130/30
76-44-8	Heptachlor	0.0921	0.038	41* [a]	0.047	51* [a]	21	70-130/30
1024-57-3	Heptachlor epoxide	0.0921	0.080	87	0.082	89	2	70-130/30
72-43-5	Methoxychlor	0.0921	0.082	89	0.084	91	2	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
877-09-8	Tetrachloro-m-xylene	80%	84%	50-150%
877-09-8	Tetrachloro-m-xylene	70%	70%	50-150%
2051-24-3	Decachlorobiphenyl	114%	113%	50-150%
2051-24-3	Decachlorobiphenyl	85%	81%	50-150%

(a) Outside of in house control limits.

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59821-BS1	RL23107.D	1	12/03/24	CP	12/02/24	OP59821	GRL552
OP59821-BSD	RL23108.D	1	12/03/24	CP	12/02/24	OP59821	GRL552

The QC reported here applies to the following samples: **Method:** SW846 8082A

JE1534-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	3.62	3.8	105	3.8	105	0	60-140/30
11104-28-2	Aroclor 1221		ND		ND		nc	60-140/30
11141-16-5	Aroclor 1232		ND		ND		nc	60-140/30
53469-21-9	Aroclor 1242		ND		ND		nc	60-140/30
12672-29-6	Aroclor 1248		ND		ND		nc	60-140/30
11097-69-1	Aroclor 1254		ND		ND		nc	60-140/30
11096-82-5	Aroclor 1260	3.62	4.3	119	4.3	118	0	60-140/30
11100-14-4	Aroclor 1268		ND		ND		nc	60-140/30
37324-23-5	Aroclor 1262		ND		ND		nc	60-140/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
877-09-8	Tetrachloro-m-xylene	98%	97%	50-150%
877-09-8	Tetrachloro-m-xylene	104%	104%	50-150%
2051-24-3	Decachlorobiphenyl	124%	121%	50-150%
2051-24-3	Decachlorobiphenyl	126%	125%	50-150%

* = Outside of Control Limits.

Internal Standard Area Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G8G2700-CC2596	**Injection Date:**	12/03/24
Lab File ID:	8G62764.D	**Injection Time:**	01:07
Instrument ID:	GC8G	**Method:**	SW846 8081B

	IS 1 AREA	RT	IS 2 AREA	RT
Initial Cal [a]	651180446	2.79	265523173	2.42
Check Std [b]	707247898	2.77	320089610	2.40
Upper Limit [c]	976770669	3.27	398284760	2.90
Lower Limit [d]	325590223	2.27	132761587	1.90

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT
OP59820-MB1	838279665	2.77	367356114	2.40
OP59820-BS1	790224096	2.77	337421361	2.40
OP59820-BSD	805897848	2.77	324361464	2.40
OP59833-MB1	765887546	2.77	338702034	2.40
OP59833-BS1	771169372	2.77	336584189	2.41
JE1534-8 [e]	801073347	2.77	344771078	2.41
OP59833-MS	827353265	2.77	376537789	2.41
OP59833-MSD	716412005	2.77	348744873	2.41
JE1300-9Q	658780662	2.77	315233311	2.41
ZZZZZZ	749853688	2.77	346195004	2.40
ZZZZZZ	696063015	2.77	335592833	2.41
ZZZZZZ	663935144	2.77	327325042	2.41
ZZZZZZ	489641870	2.76	308367844	2.39
ZZZZZZ	619709995	2.77	294844447	2.41
ZZZZZZ	711170934	2.78	318894819	2.42

IS 1 = 1-Bromo-2-nitrobenzene (Signal #2)
IS 2 = 1-Bromo-2-nitrobenzene (Signal #1)

(a) Initial Cal is: G8G2596-ICC2596 8G60346.D 09/18/24 13:06. Area is AVERAGE of initial cal points.
(b) Check Std Limit = -50 to + 50% of initial cal area.
(c) Upper Limit = + 50% of initial standard area; Retention time + 0.5 minutes of check standard.
(d) Lower Limit = -50% of initial standard area; Retention time -0.5 minutes of check standard.
(e) Associated blank spike outside control limits biased low. Unable to re-extract sample due to expired hold time.

DDT/Endrin Breakdown Check

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	G8G2596-DDT	**Injection Date:**	09/18/24
Lab File ID:	8G60340.D	**Injection Time:**	10:50
Instrument ID:	GC8G		

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	6679618	18368373
4,4'-DDE	1340099	5370003
4,4'-DDT	689441934	1255768508
DDT Breakdown [a]	1.1 %	1.9 %
Endrin aldehyde	2965374	21664296
Endrin ketone	11326377	17699250
Endrin	311157621	655895389
Endrin Breakdown [b]	4.4 %	5.7 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
G8G2596-IC2596	8G60342.D	09/18/24	11:35	00:45	Initial cal 0.1
G8G2596-IC2596	8G60343.D	09/18/24	11:58	01:08	Initial cal 0.2
G8G2596-IC2596	8G60344.D	09/18/24	12:21	01:31	Initial cal 0.5
G8G2596-IC2596	8G60345.D	09/18/24	12:43	01:53	Initial cal 1
G8G2596-ICC2596	8G60346.D	09/18/24	13:06	02:16	Initial cal 2.5
G8G2596-IC2596	8G60347.D	09/18/24	13:29	02:39	Initial cal 5
G8G2596-IC2596	8G60348.D	09/18/24	13:51	03:01	Initial cal 7.5
G8G2596-IC2596	8G60349.D	09/18/24	14:14	03:24	Initial cal 10
G8G2596-ICV2596	8G60350.D	09/18/24	14:37	03:47	Initial cal verification 2.5
G8G2596-IC2596	8G60351.D	09/18/24	15:00	04:10	Initial cal 50
G8G2596-ICV2596	8G60352.D	09/18/24	15:22	04:32	Initial cal verification 50
G8G2596-IC2596	8G60353.D	09/18/24	15:45	04:55	Initial cal 50
G8G2596-ICV2596	8G60354.D	09/18/24	16:08	05:18	Initial cal verification 50

DDT/Endrin Breakdown Check

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	G8G2700-DDT	**Injection Date:**	12/03/24
Lab File ID:	8G62762.D	**Injection Time:**	00:19
Instrument ID:	GC8G		

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	13352496	45252466
4,4'-DDE	723064	2850969
4,4'-DDT	657954260	1067635809
DDT Breakdown [a]	2.1 %	4.3 %
Endrin aldehyde	877688	5876817
Endrin ketone	7141980	13027832
Endrin	347533700	630312279
Endrin Breakdown [b]	2.3 %	2.9 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
G8G2700-CC2596	8G62764.D	12/03/24	01:07	00:48	Continuing cal 5
OP59820-MB1	8G62766.D	12/03/24	01:55	01:36	Method Blank
OP59820-BS1	8G62767.D	12/03/24	02:19	02:00	Blank Spike
OP59820-BSD	8G62768.D	12/03/24	02:43	02:24	Blank Spike Duplicate
OP59833-MB1	8G62769.D	12/03/24	03:07	02:48	Method Blank
OP59833-BS1	8G62770.D	12/03/24	03:31	03:12	Blank Spike
JE1534-8	8G62771.D	12/03/24	03:55	03:36	FB-3
OP59833-MS	8G62774.D	12/03/24	05:07	04:48	Matrix Spike
OP59833-MSD	8G62775.D	12/03/24	05:31	05:12	Matrix Spike Duplicate
JE1300-9Q	8G62776.D	12/03/24	05:55	05:36	(used for QC only; not part of job JE1534)
ZZZZZZ	8G62777.D	12/03/24	06:19	06:00	(unrelated sample)
ZZZZZZ	8G62778.D	12/03/24	06:43	06:24	(unrelated sample)
ZZZZZZ	8G62779.D	12/03/24	07:06	06:47	(unrelated sample)
ZZZZZZ	8G62780.D	12/03/24	07:30	07:11	(unrelated sample)
ZZZZZZ	8G62781.D	12/03/24	07:53	07:34	(unrelated sample)
ZZZZZZ	8G62782.D	12/03/24	08:17	07:58	(unrelated sample)

GC Identification Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G8G2700-CC2596	**Injection Date:**	12/03/24
Lab File ID:	8G62764.D	**Injection Time:**	01:07
Instrument ID:	GC8G	**Method:**	SW846 8081B

Sample ID:	OP59820-BS1	**Injection Date:**	12/03/24
Lab File ID:	8G62767.D	**Injection Time:**	02:19
Client ID:	Blank Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aldrin	1	4.65	4.65	0.034		ug/l	9.2
Aldrin	2 [a]	6.04	6.04	0.031		ug/l	
alpha-BHC	1	3.44	3.44	0.093		ug/l	17.5
alpha-BHC	2 [a]	4.39	4.39	0.078		ug/l	
beta-BHC	1	3.84	3.84	0.086		ug/l	15.0
beta-BHC	2 [a]	4.96	4.96	0.074		ug/l	
delta-BHC	1	4.04	4.04	0.093		ug/l	16.3
delta-BHC	2 [a]	5.40	5.40	0.079		ug/l	
gamma-BHC (Lindane)	1	3.76	3.76	0.091		ug/l	14.1
gamma-BHC (Lindane)	2 [a]	4.87	4.87	0.079		ug/l	
alpha-Chlordane	1	5.77	5.77	0.086		ug/l	17.7
alpha-Chlordane	2 [a]	7.47	7.47	0.072		ug/l	
gamma-Chlordane	1	5.59	5.59	0.078		ug/l	6.6
gamma-Chlordane	2 [a]	7.23	7.23	0.073		ug/l	
Chlordane (alpha and gamma)	n/a [b]			0.14		ug/l	
Dieldrin	1	6.31	6.31	0.093		ug/l	12.6
Dieldrin	2 [a]	8.04	8.04	0.082		ug/l	
4,4'-DDD	1	6.77	6.77	0.096		ug/l	11.0
4,4'-DDD	2 [a]	8.72	8.72	0.086		ug/l	
4,4'-DDE	1	5.88	5.88	0.084		ug/l	10.0
4,4'-DDE	2 [a]	7.72	7.72	0.076		ug/l	
4,4'-DDT	1	7.20	7.20	0.094		ug/l	14.9
4,4'-DDT	2 [a]	9.28	9.28	0.081		ug/l	
Endrin	1	6.66	6.66	0.11		ug/l	15.7
Endrin	2 [a]	8.58	8.58	0.094		ug/l	
Endosulfan sulfate	1	8.38	8.38	0.10		ug/l	21.0
Endosulfan sulfate	2 [a]	10.01	10.01	0.081		ug/l	
Endrin aldehyde	1	7.66	7.66	0.094		ug/l	16.1
Endrin aldehyde	2 [a]	9.52	9.52	0.080		ug/l	
Endrin ketone	1	8.83	8.83	0.094		ug/l	22.5
Endrin ketone	2 [a]	10.97	10.97	0.075		ug/l	
Endosulfan-I	1	5.97	5.97	0.090		ug/l	11.8
Endosulfan-I	2 [a]	7.58	7.58	0.080		ug/l	
Endosulfan-II	1	7.00	7.00	0.097		ug/l	16.8
Endosulfan-II	2 [a]	8.94	8.94	0.082		ug/l	
Heptachlor	1	4.29	4.29	0.041		ug/l	7.6
Heptachlor	2 [a]	5.53	5.53	0.038		ug/l	
Heptachlor epoxide	1	5.42	5.42	0.092		ug/l	14.0
Heptachlor epoxide	2 [a]	6.92	6.92	0.080		ug/l	
Methoxychlor	1	8.00	8.00	0.097		ug/l	16.8
Methoxychlor	2 [a]	10.51	10.51	0.082		ug/l	

GC Identification Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G8G2700-CC2596	**Injection Date:**	12/03/24
Lab File ID:	8G62764.D	**Injection Time:**	01:07
Instrument ID:	GC8G	**Method:**	SW846 8081B

Sample ID:	OP59820-BS1	**Injection Date:**	12/03/24
Lab File ID:	8G62767.D	**Injection Time:**	02:19
Client ID:	Blank Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc

(a) QC results reported from this column.
(b) Final reported result.

GC Identification Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G8G2700-CC2596	**Injection Date:**	12/03/24
Lab File ID:	8G62764.D	**Injection Time:**	01:07
Instrument ID:	GC8G	**Method:**	SW846 8081B

Sample ID:	OP59820-BSD	**Injection Date:**	12/03/24
Lab File ID:	8G62768.D	**Injection Time:**	02:43
Client ID:	Blank Spike Duplicate		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aldrin	1	4.65	4.65	0.048		ug/l	15.7
Aldrin	2 [a]	6.04	6.04	0.041		ug/l	
alpha-BHC	1	3.44	3.44	0.10		ug/l	32.6
alpha-BHC	2 [a]	4.39	4.39	0.072		ug/l	
beta-BHC	1	3.84	3.84	0.095		ug/l	22.2
beta-BHC	2 [a]	4.96	4.96	0.076		ug/l	
delta-BHC	1	4.04	4.04	0.10		ug/l	21.0
delta-BHC	2 [a]	5.40	5.40	0.081		ug/l	
gamma-BHC (Lindane)	1	3.76	3.76	0.10		ug/l	21.0
gamma-BHC (Lindane)	2 [a]	4.87	4.87	0.081		ug/l	
alpha-Chlordane	1	5.77	5.77	0.096		ug/l	24.6
alpha-Chlordane	2 [a]	7.47	7.47	0.075		ug/l	
gamma-Chlordane	1	5.59	5.59	0.088		ug/l	13.3
gamma-Chlordane	2 [a]	7.23	7.23	0.077		ug/l	
Chlordane (alpha and gamma)	n/a [b]			0.15		ug/l	
Dieldrin	1	6.31	6.31	0.098		ug/l	15.4
Dieldrin	2 [a]	8.04	8.04	0.084		ug/l	
4,4'-DDD	1	6.77	6.77	0.11		ug/l	22.2
4,4'-DDD	2 [a]	8.72	8.72	0.088		ug/l	
4,4'-DDE	1	5.88	5.88	0.093		ug/l	16.3
4,4'-DDE	2 [a]	7.72	7.72	0.079		ug/l	
4,4'-DDT	1	7.20	7.20	0.10		ug/l	18.6
4,4'-DDT	2 [a]	9.28	9.28	0.083		ug/l	
Endrin	1	6.66	6.66	0.12		ug/l	22.2
Endrin	2 [a]	8.58	8.58	0.096		ug/l	
Endosulfan sulfate	1	8.38	8.38	0.11		ug/l	28.0
Endosulfan sulfate	2 [a]	10.01	10.01	0.083		ug/l	
Endrin aldehyde	1	7.66	7.66	0.10		ug/l	17.4
Endrin aldehyde	2 [a]	9.52	9.52	0.084		ug/l	
Endrin ketone	1	8.83	8.83	0.10		ug/l	27.3
Endrin ketone	2 [a]	10.97	10.97	0.076		ug/l	
Endosulfan-I	1	5.97	5.97	0.098		ug/l	17.8
Endosulfan-I	2 [a]	7.58	7.58	0.082		ug/l	
Endosulfan-II	1	7.00	7.00	0.11		ug/l	26.8
Endosulfan-II	2 [a]	8.94	8.94	0.084		ug/l	
Heptachlor	1	4.29	4.29	0.055		ug/l	15.7
Heptachlor	2 [a]	5.53	5.53	0.047		ug/l	
Heptachlor epoxide	1	5.42	5.42	0.10		ug/l	19.8
Heptachlor epoxide	2 [a]	6.92	6.92	0.082		ug/l	
Methoxychlor	1	8.00	8.00	0.11		ug/l	26.8
Methoxychlor	2 [a]	10.51	10.51	0.084		ug/l	

GC Identification Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G8G2700-CC2596	**Injection Date:**	12/03/24
Lab File ID:	8G62764.D	**Injection Time:**	01:07
Instrument ID:	GC8G	**Method:**	SW846 8081B

Sample ID:	OP59820-BSD	**Injection Date:**	12/03/24
Lab File ID:	8G62768.D	**Injection Time:**	02:43
Client ID:	Blank Spike Duplicate		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc

(a) QC results reported from this column.
(b) Final reported result.

GC Identification Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	GRL552-CC343	**Injection Date:**	12/02/24
Lab File ID:	RL23104.D	**Injection Time:**	23:44
Instrument ID:	GCRL	**Method:**	SW846 8082A

Sample ID:	OP59821-BS1	**Injection Date:**	12/03/24
Lab File ID:	RL23107.D	**Injection Time:**	01:02
Client ID:	Blank Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aroclor 1016	1 [a]			3.8		ug/l	5.1
Aroclor 1016	2			4.0		ug/l	
AR1016-A	1	3.97	3.97	3.8		ug/l	
AR1016-A	2	4.45	4.45	4.2		ug/l	
AR1016-B	1	4.25	4.25	3.8		ug/l	
AR1016-B	2	4.80	4.81	4.1		ug/l	
AR1016-C	1	4.63	4.63	3.7		ug/l	
AR1016-C	2	5.25	5.25	4.0		ug/l	
AR1016-D	1	4.74	4.75	3.7		ug/l	
AR1016-D	2	5.39	5.39	4.0		ug/l	
AR1016-E	1	5.11	5.11	3.8		ug/l	
AR1016-E	2	5.95	5.95	4.1		ug/l	
Aroclor 1260	1 [a]			4.3		ug/l	0.0
Aroclor 1260	2			4.3		ug/l	
AR1260-A	1	7.02	7.02	4.4		ug/l	
AR1260-A	2	8.07	8.07	4.2		ug/l	
AR1260-B	1	7.57	7.57	4.5		ug/l	
AR1260-B	2	8.57	8.57	4.4		ug/l	
AR1260-C	1	7.87	7.87	4.3		ug/l	
AR1260-C	2	8.87	8.87	4.3		ug/l	
AR1260-D	1	8.23	8.22	4.2		ug/l	
AR1260-D	2	9.09	9.09	4.4		ug/l	
AR1260-E	1	8.52	8.52	3.9		ug/l	
AR1260-E	2	9.43	9.42	4.2		ug/l	

(a) QC results reported from this column.

GC Identification Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	GRL552-CC343	**Injection Date:**	12/02/24
Lab File ID:	RL23104.D	**Injection Time:**	23:44
Instrument ID:	GCRL	**Method:**	SW846 8082A

Sample ID:	OP59821-BSD	**Injection Date:**	12/03/24
Lab File ID:	RL23108.D	**Injection Time:**	01:20
Client ID:	Blank Spike Duplicate		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aroclor 1016	1 [a]			3.8		ug/l	7.6
Aroclor 1016	2			4.1		ug/l	
AR1016-A	1	3.96	3.97	3.8		ug/l	
AR1016-A	2	4.45	4.45	4.2		ug/l	
AR1016-B	1	4.25	4.25	3.8		ug/l	
AR1016-B	2	4.80	4.81	4.1		ug/l	
AR1016-C	1	4.63	4.63	3.8		ug/l	
AR1016-C	2	5.24	5.25	4.0		ug/l	
AR1016-D	1	4.74	4.75	3.7		ug/l	
AR1016-D	2	5.39	5.39	4.1		ug/l	
AR1016-E	1	5.11	5.11	3.8		ug/l	
AR1016-E	2	5.95	5.95	4.1		ug/l	
Aroclor 1260	1 [a]			4.3		ug/l	2.3
Aroclor 1260	2			4.4		ug/l	
AR1260-A	1	7.02	7.02	4.5		ug/l	
AR1260-A	2	8.07	8.07	4.3		ug/l	
AR1260-B	1	7.57	7.57	4.5		ug/l	
AR1260-B	2	8.57	8.57	4.4		ug/l	
AR1260-C	1	7.87	7.87	4.3		ug/l	
AR1260-C	2	8.87	8.87	4.4		ug/l	
AR1260-D	1	8.23	8.22	4.2		ug/l	
AR1260-D	2	9.09	9.09	4.4		ug/l	
AR1260-E	1	8.52	8.52	3.8		ug/l	
AR1260-E	2	9.42	9.42	4.3		ug/l	

(a) QC results reported from this column.

Surrogate Recovery Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Method: SW846 8081B **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S1 [b]	S2 [a]	S2 [b]
JE1534-8	8G62771.D	102	83	103	81
OP59820-BS1	8G62767.D	80	70	114	85
OP59820-BSD	8G62768.D	84	70	113	81
OP59820-MB1	8G62766.D	79	71	109	83

Surrogate Compounds	Recovery Limits
S1 = Tetrachloro-m-xylene	50-150%
S2 = Decachlorobiphenyl	50-150%

(a) Recovery from GC signal #1
(b) Recovery from GC signal #2

Surrogate Recovery Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Method: SW846 8082A **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S1 [b]	S2 [a]	S2 [b]
JE1534-8	RL23109.D	101	113	117	122
OP59821-BS1	RL23107.D	98	104	124	126
OP59821-BSD	RL23108.D	97	104	121	125
OP59821-MB1	RL23106.D	88	100	127	128

Surrogate Compounds	Recovery Limits
S1 = Tetrachloro-m-xylene	50-150%
S2 = Decachlorobiphenyl	50-150%

(a) Recovery from GC signal #1
(b) Recovery from GC signal #2

GC Surrogate Retention Time Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G8G2700-CC2596	**Injection Date:**	12/03/24
Lab File ID:	8G62764.D	**Injection Time:**	01:07
Instrument ID:	GC8G	**Method:**	SW846 8081B

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	2.95	3.65	10.62	13.00

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
OP59820-MB1	8G62766.D	12/03/24	01:55	2.95	3.65	10.62	13.00
OP59820-BS1	8G62767.D	12/03/24	02:19	2.95	3.65	10.62	13.00
OP59820-BSD	8G62768.D	12/03/24	02:43	2.95	3.65	10.62	13.00
OP59833-MB1	8G62769.D	12/03/24	03:07	2.95	3.65	10.62	13.00
OP59833-BS1	8G62770.D	12/03/24	03:31	2.96	3.65	10.61	12.99
JE1534-8	8G62771.D	12/03/24	03:55	2.95	3.65	10.62	12.99
OP59833-MS	8G62774.D	12/03/24	05:07	2.96	3.65	10.61	13.00
OP59833-MSD	8G62775.D	12/03/24	05:31	2.95	3.65	10.61	13.00
JE1300-9Q	8G62776.D	12/03/24	05:55				
ZZZZZZ	8G62777.D	12/03/24	06:19	2.95	3.65	10.61	13.00
ZZZZZZ	8G62778.D	12/03/24	06:43	2.96	3.65	10.62	13.00
ZZZZZZ	8G62779.D	12/03/24	07:06	2.96	3.65	10.61	13.00
ZZZZZZ	8G62780.D	12/03/24	07:30	2.96	3.66	10.62	13.00
ZZZZZZ	8G62781.D	12/03/24	07:53	2.96	3.66	10.62	13.00
ZZZZZZ	8G62782.D	12/03/24	08:17	2.96	3.66	10.61	12.99

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	GRL552-CC343	**Injection Date:**	12/02/24
Lab File ID:	RL23104.D	**Injection Time:**	23:44
Instrument ID:	GCRL	**Method:**	SW846 8082A

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	3.69	4.03	9.52	10.34

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
OP59821-MB1	RL23106.D	12/03/24	00:45	3.69	4.02	9.53	10.34
OP59821-BS1	RL23107.D	12/03/24	01:02	3.68	4.03	9.52	10.34
OP59821-BSD	RL23108.D	12/03/24	01:20	3.68	4.03	9.52	10.34
JE1534-8	RL23109.D	12/03/24	01:37	3.68	4.03	9.52	10.34
ZZZZZZ	RL23110.D	12/03/24	01:54	3.68	4.03	9.52	10.34
ZZZZZZ	RL23111.D	12/03/24	02:12	3.68	4.03	9.52	10.34
ZZZZZZ	RL23113.D	12/03/24	02:46	3.68	4.03	9.52	10.34
ZZZZZZ	RL23114.D	12/03/24	03:04	3.68	4.03	9.52	10.34
ZZZZZZ	RL23115.D	12/03/24	03:21	3.68	4.03	9.52	10.34
ZZZZZZ	RL23116.D	12/03/24	03:38	3.68	4.03	9.52	10.34

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

Initial Calibration Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G8G2596-ICC2596
Lab FileID: 8G60346.D

Response Factor Report GC8G

Method : C:\msdchem\1\methods\8PSTLVI2596a.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Thu Sep 19 13:29:34 2024
Response via : Initial Calibration

Calibration Files
2 =8g60343.d 5 =8g60344.d 10 =8g60345.d 25 =8g60346.d
50 =8g60347.d 100 =8g60349.d 1 =8g60342.d 75 =8g60348.d

Compound	2	5	10	25	50	100	1	75	Avg	%RSD
1) I 1-bromo-2-nitrobenzen	ISTD									
2) Tetrachloro-	0.866	0.929	0.799	0.974	0.982	1.081	0.976	1.110	0.965	10.66
3) hexachlorobe	1.539	1.596	1.262	1.504	1.503	1.626	1.444	1.682	1.520	8.49
4) alpha-BHC	1.104	1.241	1.067	1.410	1.532	1.754	1.049	1.773	1.366	21.79
----- Quadratic regression ----- Coefficient = 0.9956										
Response Ratio = -0.00276 + 1.17334 *A + 0.33637 *A^2										
5) gamma-BHC	1.058	1.156	0.994	1.283	1.378	1.560	1.086	1.585	1.262	18.03
6) Heptachlor	1.211	1.263	1.023	1.281	1.333	1.472	1.304	1.517	1.301	11.75
7) beta-BHC	0.565	0.617	0.502	0.583	0.588	0.637	0.619	0.658	0.596	8.15
8) delta-BHC	1.033	1.120	1.012	1.274	1.395	1.586	1.103	1.617	1.267	19.09
9) Aldrin	0.956	1.084	0.903	1.159	1.229	1.384	1.070	1.411	1.150	16.05
10) alachlor		0.186	0.159	0.177	0.163			0.175	0.172	6.34
11) Heptachlor E	1.043	1.134	0.933	1.124	1.157	1.265	1.108	1.309	1.134	10.42
12) gamma-Chlord	1.279	1.136	0.888	1.138	1.194	1.321	1.364	1.351	1.209	13.08
13) alpha-Chlord	1.013	1.103	0.903	1.130	1.173	1.310	1.035	1.339	1.126	13.12
14) Endosulfan I	0.994	1.044	0.841	1.040	1.074	1.177	1.026	1.217	1.052	10.91
15) 4,4'-DDE	1.031	1.117	0.905	1.152	1.206	1.349	1.077	1.382	1.152	13.80
16) Dieldrin	1.067	1.085	0.869	1.119	1.184	1.316	1.173	1.353	1.146	13.26
17) Endrin	0.865	0.877	0.737	0.888	0.938	1.044	0.800	1.077	0.903	12.70
18) 4,4'-DDD	0.937	0.917	0.757	0.930	0.974	1.096	0.991	1.119	0.965	11.70
19) Endosulfan I	0.938	0.995	0.799	0.997	1.027	1.128	1.011	1.165	1.008	11.14
20) 4,4'-DDT	0.836	0.957	0.792	0.961	1.023	1.152	0.895	1.178	0.974	14.23
21) Endrin Aldeh	0.962	0.821	0.605	0.789	0.789	0.851	0.927	0.882	0.828	13.25
22) Endosulfan S	0.894	0.948	0.762	0.904	0.929	1.019	0.987	1.054	0.937	9.61
23) Methoxychlor	0.607	0.605	0.470	0.547	0.540	0.566	0.599	0.596	0.566	8.29
24) Mirex	0.874	0.933	0.714	0.828	0.809	0.862	0.952	0.899	0.859	8.85
25) Endrin Keton	1.201	1.176	0.919	1.135	1.155	1.264	1.338	1.305	1.187	10.96
26) Decachlorobi			0.786	0.913	0.912	0.994		1.035	0.928	10.28
27) I 1-bromo-2-nitrobenzen	ISTD									
28) Toxaphene{A}				0.014					0.014	0.00
29) Toxaphene{B}				0.014					0.014	0.00
30) Toxaphene{C}				0.037					0.037	0.00
31) Toxaphene{D}				0.024					0.024	0.00
32) Toxaphene{E}				0.035					0.035	0.00
33) I 1-bromo-2-nitrobenzen	ISTD									
34) Chlordane {A				0.077					0.077	0.00
35) Chlordane {B				0.047					0.047	0.00
36) Chlordane {C				0.166					0.166	0.00
37) Chlordane {D				0.254					0.254	0.00
38) Chlordane {E				0.036					0.036	0.00

Signal #2

Initial Calibration Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G8G2596-ICC2596
Lab FileID: 8G60346.D

1)	I 1-bromo-2-nitrobenzen						ISTD				
2)	Tetrachloro-	1.350	1.320	1.044	1.229	1.202	1.220		1.210	1.225	8.06
3)	hexachlorobe	1.497	1.371	1.090	1.230	1.192	1.204	1.646	1.199	1.304	14.31
4)	alpha-BHC	1.522	1.499	1.244	1.526	1.548	1.593	1.680	1.563	1.522	8.25
5)	gamma-BHC	1.385	1.382	1.106	1.334	1.331	1.378	1.500	1.351	1.346	8.21
6)	Heptachlor	1.249	1.230	0.993	1.157	1.162	1.181	1.360	1.178	1.189	8.71
7)	beta-BHC	0.777	0.736	0.573	0.639	0.621	0.635	0.885	0.627	0.687	15.14
8)	delta-BHC	1.327	1.322	1.086	1.269	1.303	1.340	1.462	1.323	1.304	8.01
9)	Aldrin	1.268	1.245	1.015	1.224	1.225	1.253	1.380	1.238	1.231	8.20
10)	alachlor		0.224	0.175	0.186	0.168			0.165	0.184	13.04
11)	Heptachlor E	1.220	1.205	0.961	1.137	1.143	1.161	1.329	1.147	1.163	8.89
12)	gamma-Chlord	1.172	1.197	0.950	1.131	1.149	1.178	1.255	1.165	1.150	7.70
13)	alpha-Chlord	1.175	1.174	0.948	1.122	1.129	1.157	1.288	1.144	1.142	8.24
14)	Endosulfan I	1.069	1.074	0.871	1.036	1.039	1.061	1.169	1.053	1.047	7.87
15)	4,4'-DDE	1.130	1.127	0.915	1.099	1.101	1.129	1.235	1.120	1.107	8.01
16)	Dieldrin	1.227	1.214	0.972	1.177	1.181	1.215	1.283	1.199	1.184	7.74
17)	Endrin	0.898	0.891	0.727	0.834	0.851	0.878	0.875	0.867	0.853	6.42
18)	4,4'-DDD	1.085	0.996	0.781	0.918	0.921	0.934	1.223	0.927	0.973	13.55
19)	Endosulfan I	1.012	1.026	0.820	0.982	0.989	1.007	1.081	1.000	0.989	7.56
20)	4,4'-DDT	0.764	0.817	0.679	0.815	0.837	0.866	0.806	0.857	0.805	7.48
21)	Endrin Aldeh	0.890	0.796	0.601	0.727	0.715	0.744	1.009	0.733	0.777	15.91
22)	Endosulfan S	0.915	0.938	0.747	0.877	0.879	0.908	1.001	0.889	0.894	8.03
23)	Methoxychlor	0.407	0.419	0.336	0.395	0.391	0.403	0.454	0.395	0.400	8.19
24)	Mirex	0.549	0.583	0.463	0.627	0.677	0.549	0.601	0.539	0.573	11.24
25)	Endrin Keton	1.123	1.761	1.029	1.144	1.164	1.212	1.128	1.210	1.222	18.46
26)	Decachlorobi			0.619	0.712	0.702	0.721		0.709	0.693	6.03
27)	I 1-bromo-2-nitrobenzen						ISTD				
28)	Toxaphene{A}					0.011				0.011	0.00
29)	Toxaphene{B}					0.007				0.007	0.00
30)	Toxaphene{C}					0.019				0.019	0.00
31)	Toxaphene{D}					0.009				0.009	0.00
32)	Toxaphene{E}					0.027				0.027	0.00
33)	I 1-bromo-2-nitrobenzen						ISTD				
34)	Chlordane {A					0.068				0.068	0.00
35)	Chlordane {B					0.040				0.040	0.00
36)	Chlordane {C					0.139				0.139	0.00
37)	Chlordane {D					0.229				0.229	0.00
38)	Chlordane {E					0.033				0.033	0.00

(#) = Out of Range ### Number of calibration levels exceeded format ###

8PSTLVI2596a.M Thu Sep 19 13:35:44 2024

Initial Calibration Verification

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G8G2596-ICV2596
Lab FileID: 8G60350.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\g8g2596\8g60350.d\ECD1A.ch Vial: 19
Signal #2 : C:\msdchem\1\data\g8g2596\8g60350.d\ECD2B.ch
Acq On : 18 Sep 2024 2:37 pm Operator: rebeccak
Sample : icv2596-2.5 (pest mix) Inst : GC8G
Misc : op57529,g8g2596,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\methods\8PSTLVI2596a.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Thu Sep 19 13:29:34 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	96	0.00	1.92- 2.92
2	SAB	Tetrachloro-m-xylene	0.965	1.156	-19.8	114	0.00	2.94- 3.00
3		hexachlorobenzene	1.520	1.649	-8.5	105	0.00	3.29- 3.35
		----------	True	Calc.	% Drift	----------		
4	A	alpha-BHC	2.500	2.891	-15.6	107	0.00	3.44- 3.50
		----------	AvgRF	CCRF	% Dev	----------		
5	MA	gamma-BHC	1.262	1.457	-15.5	109	0.00	3.76- 3.82
6	MA	Heptachlor	1.301	1.379	-6.0	103	0.00	4.29- 4.35
7	B	beta-BHC	0.596	0.643	-7.9	106	0.00	3.83- 3.89
8	B	delta-BHC	1.267	1.375	-8.5	103	0.00	4.04- 4.10
9	MB	Aldrin	1.150	1.315	-14.3	109	0.00	4.66- 4.72
10		alachlor	0.172	0.196	-14.0	106	0.00	4.81- 4.87
11	B	Heptachlor Epoxide	1.134	1.260	-11.1	107	0.00	5.44- 5.50
12	B	gamma-Chlordane	1.209	1.270	-5.0	107	0.00	5.61- 5.67
13	B	alpha-Chlordane	1.126	1.203	-6.8	102	0.00	5.80- 5.86
14	A	Endosulfan I	1.052	1.149	-9.2	106	0.00	6.00- 6.06
15	B	4,4'-DDE	1.152	1.257	-9.1	105	0.00	5.90- 5.96
16	MA	Dieldrin	1.146	1.229	-7.2	105	0.00	6.34- 6.40
17	MA	Endrin	0.903	0.987	-9.3	107	0.00	6.69- 6.75
18	A	4,4'-DDD	0.965	1.040	-7.8	107	0.00	6.79- 6.85
19	B	Endosulfan II	1.008	1.113	-10.4	107	0.00	7.03- 7.09
20	MA	4,4'-DDT	0.974	1.087	-11.6	108	0.00	7.23- 7.29
21	B	Endrin Aldehyde	0.828	0.973	-17.5	118	0.00	7.69- 7.75
22	B	Endosulfan Sulfate	0.937	0.978	-4.4	104	0.00	8.41- 8.47
23	A	Methoxychlor	0.566	0.590	-4.2	103	0.00	8.03- 8.09
24		Mirex	0.859	0.914	-6.4	106	0.00	8.23- 8.29
25	B	Endrin Ketone	1.187	1.244	-4.8	105	0.00	8.87- 8.93
26	SA	Decachlorobiphenyl	0.928	1.083	-16.7	114	0.00	10.64-10.70
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	96	0.00	1.92- 2.92
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	96	0.00	1.92- 2.92
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				

Initial Calibration Verification

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G8G2596-ICV2596
Lab FileID: 8G60350.D

36		Chlordane {C}			----------NA----------			
37		Chlordane {D}			----------NA----------			
38		Chlordane {E}			----------NA----------			
*****		Signal #2 *****						
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	99	0.00	2.29- 3.29
2	SAB	Tetrachloro-m-xylene	1.225	1.387	-13.2	112	0.00	3.65- 3.71
3		hexachlorobenzene	1.304	1.312	-0.6	106	0.00	4.23- 4.29
4	A	alpha-BHC	1.522	1.557	-2.3	101	0.00	4.40- 4.46
5	MA	gamma-BHC	1.346	1.423	-5.7	106	0.00	4.88- 4.94
6	MA	Heptachlor	1.189	1.178	0.9	101	0.00	5.55- 5.61
7	B	beta-BHC	0.687	0.676	1.6	105	0.00	4.96- 5.02
8	B	delta-BHC	1.304	1.319	-1.2	103	0.00	5.41- 5.47
9	MB	Aldrin	1.231	1.318	-7.1	107	0.00	6.06- 6.12
10		alachlor	0.184	0.194	-5.4	104	0.00	5.81- 5.87
11	B	Heptachlor Epoxide	1.163	1.217	-4.6	106	0.00	6.96- 7.02
12	B	gamma-Chlordane	1.150	1.222	-6.3	107	0.00	7.26- 7.32
13	B	alpha-Chlordane	1.142	1.155	-1.1	102	0.00	7.50- 7.56
14	A	Endosulfan I	1.047	1.082	-3.3	104	0.00	7.62- 7.68
15	B	4,4'-DDE	1.107	1.142	-3.2	103	0.00	7.75- 7.81
16	MA	Dieldrin	1.184	1.254	-5.9	106	0.00	8.08- 8.14
17	MA	Endrin	0.853	0.884	-3.6	105	0.00	8.62- 8.68
18	A	4,4'-DDD	0.973	0.972	0.1	105	0.00	8.75- 8.81
19	B	Endosulfan II	0.989	1.034	-4.6	105	0.00	8.97- 9.03
20	MA	4,4'-DDT	0.805	0.856	-6.3	104	0.00	9.32- 9.38
21	B	Endrin Aldehyde	0.777	0.831	-6.9	114	0.00	9.56- 9.62
22	B	Endosulfan Sulfate	0.894	0.925	-3.5	105	0.00	10.05-10.11
23	A	Methoxychlor	0.400	0.405	-1.3	102	0.00	10.55-10.61
24		Mirex	0.573	0.591	-3.1	94	0.00	10.99-11.05
25	B	Endrin Ketone	1.222	1.197	2.0	104	0.00	11.01-11.07
26	SA	Decachlorobiphenyl	0.693	0.793	-14.4	111	0.00	13.03-13.09
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	99	0.00	2.29- 3.29
28	L8	Toxaphene{A}			----------NA----------			
29	L8	Toxaphene{B}			----------NA----------			
30	L8	Toxaphene{C}			----------NA----------			
31	L8	Toxaphene{D}			----------NA----------			
32	L8	Toxaphene{E}			----------NA----------			
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	99	0.00	2.29- 3.29
34		Chlordane {A}			----------NA----------			
35		Chlordane {B}			----------NA----------			
36		Chlordane {C}			----------NA----------			
37		Chlordane {D}			----------NA----------			
38		Chlordane {E}			----------NA----------			

(#) = Out of Range SPCC's out = 0 CCC's out = 0
8g60346.d 8PSTLVI2596a.M Thu Sep 19 13:41:45 2024

Initial Calibration Verification

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G8G2596-ICV2596
Lab FileID: 8G60352.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\g8g2596\8g60352.d\ECD1A.ch Vial: 21
Signal #2 : C:\msdchem\1\data\g8g2596\8g60352.d\ECD2B.ch
Acq On : 18 Sep 2024 3:22 pm Operator: rebeccak
Sample : icv2596-50 (chlordane) Inst : GC8G
Misc : op57529,g8g2596,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\methods\8PSTLVI2596a.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Thu Sep 19 07:05:18 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	89	0.00	1.92- 2.92
2	SAB	Tetrachloro-m-xylene	0.965	1.321	-36.9#	120	0.00	2.94- 3.00
3		hexachlorobenzene		----------NA----------				
		---------- True Calc. % Drift ----------						
4	A	alpha-BHC		----------NA----------				
		---------- AvgRF CCRF % Dev ----------						
5	MA	gamma-BHC		----------NA----------				
6	MA	Heptachlor		----------NA----------				
7	B	beta-BHC		----------NA----------				
8	B	delta-BHC		----------NA----------				
9	MB	Aldrin		----------NA----------				
10		alachlor		----------NA----------				
11	B	Heptachlor Epoxide		----------NA----------				
12	B	gamma-Chlordane		----------NA----------				
13	B	alpha-Chlordane		----------NA----------				
14	A	Endosulfan I		----------NA----------				
15	B	4,4'-DDE		----------NA----------				
16	MA	Dieldrin		----------NA----------				
17	MA	Endrin		----------NA----------				
18	A	4,4'-DDD		----------NA----------				
19	B	Endosulfan II		----------NA----------				
20	MA	4,4'-DDT		----------NA----------				
21	B	Endrin Aldehyde		----------NA----------				
22	B	Endosulfan Sulfate		----------NA----------				
23	A	Methoxychlor		----------NA----------				
24		Mirex		----------NA----------				
25	B	Endrin Ketone		----------NA----------				
26	SA	Decachlorobiphenyl	0.928	1.097	-18.2	108	0.00	10.64-10.70
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	89	0.00	1.92- 2.92
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	96	0.00	1.92- 2.92
34		Chlordane {A}	0.077	0.080	-3.9	99	0.00	4.22- 4.42
35		Chlordane {B}	0.047	0.052	-10.6	107	0.00	4.75- 4.95

10.8.3 10

Initial Calibration Verification

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G8G2596-ICV2596
Lab FileID: 8G60352.D

36		Chlordane {C}	0.166	0.184	-10.8	106	0.00	5.54- 5.74
37		Chlordane {D}	0.254	0.283	-11.4	106	-0.01	5.71- 5.91
38		Chlordane {E}	0.036	0.040	-11.1	105	0.00	6.86- 7.06
*****		Signal #2 *****						
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	97	0.00	2.29- 3.29
2	SAB	Tetrachloro-m-xylene	1.225	1.312	-7.1	106	0.00	3.65- 3.71
3		hexachlorobenzene	----------NA----------					
4	A	alpha-BHC	----------NA----------					
5	MA	gamma-BHC	----------NA----------					
6	MA	Heptachlor	----------NA----------					
7	B	beta-BHC	----------NA----------					
8	B	delta-BHC	----------NA----------					
9	MB	Aldrin	----------NA----------					
10		alachlor	----------NA----------					
11	B	Heptachlor Epoxide	----------NA----------					
12	B	gamma-Chlordane	----------NA----------					
13	B	alpha-Chlordane	----------NA----------					
14	A	Endosulfan I	----------NA----------					
15	B	4,4'-DDE	----------NA----------					
16	MA	Dieldrin	----------NA----------					
17	MA	Endrin	----------NA----------					
18	A	4,4'-DDD	----------NA----------					
19	B	Endosulfan II	----------NA----------					
20	MA	4,4'-DDT	----------NA----------					
21	B	Endrin Aldehyde	----------NA----------					
22	B	Endosulfan Sulfate	----------NA----------					
23	A	Methoxychlor	----------NA----------					
24		Mirex	----------NA----------					
25	B	Endrin Ketone	----------NA----------					
26	SA	Decachlorobiphenyl	0.693	0.766	-10.5	106	0.00	13.03-13.09
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	97	0.00	2.29- 3.29
28	L8	Toxaphene{A}	----------NA----------					
29	L8	Toxaphene{B}	----------NA----------					
30	L8	Toxaphene{C}	----------NA----------					
31	L8	Toxaphene{D}	----------NA----------					
32	L8	Toxaphene{E}	----------NA----------					
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	99	0.00	2.29- 3.29
34		Chlordane {A}	0.068	0.070	-2.9	101	0.00	5.48- 5.68
35		Chlordane {B}	0.040	0.044	-10.0	109	0.00	6.19- 6.39
36		Chlordane {C}	0.139	0.151	-8.6	107	0.00	7.19- 7.39
37		Chlordane {D}	0.229	0.236	-3.1	102	0.00	7.43- 7.63
38		Chlordane {E}	0.033	0.037	-12.1	114	0.00	9.00- 9.20

(#) = Out of Range SPCC's out = 0 CCC's out = 0
8g60351.d 8PSTLVI2596a.M Thu Sep 19 07:06:22 2024

Initial Calibration Verification

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G8G2596-ICV2596
Lab FileID: 8G60354.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\g8g2596\8g60354.d\ECD1A.ch Vial: 23
Signal #2 : C:\msdchem\1\data\g8g2596\8g60354.d\ECD2B.ch
Acq On : 18 Sep 2024 4:08 pm Operator: rebeccak
Sample : icv2596-50 (toxaphene) Inst : GC8G
Misc : op57529,g8g2596,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\methods\8PSTLVI2596a.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Thu Sep 19 13:29:34 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	96	0.00	1.92- 2.92
2	SAB	Tetrachloro-m-xylene	0.965	1.109	-14.9	109	0.00	2.94- 3.00
3		hexachlorobenzene		----------NA----------				
		---------- True	Calc.	% Drift	----------			
4	A	alpha-BHC		----------NA----------				
		---------- AvgRF	CCRF	% Dev	----------			
5	MA	gamma-BHC		----------NA----------				
6	MA	Heptachlor		----------NA----------				
7	B	beta-BHC		----------NA----------				
8	B	delta-BHC		----------NA----------				
9	MB	Aldrin		----------NA----------				
10		alachlor		----------NA----------				
11	B	Heptachlor Epoxide		----------NA----------				
12	B	gamma-Chlordane		----------NA----------				
13	B	alpha-Chlordane		----------NA----------				
14	A	Endosulfan I		----------NA----------				
15	B	4,4'-DDE		----------NA----------				
16	MA	Dieldrin		----------NA----------				
17	MA	Endrin		----------NA----------				
18	A	4,4'-DDD		----------NA----------				
19	B	Endosulfan II		----------NA----------				
20	MA	4,4'-DDT		----------NA----------				
21	B	Endrin Aldehyde		----------NA----------				
22	B	Endosulfan Sulfate		----------NA----------				
23	A	Methoxychlor		----------NA----------				
24		Mirex		----------NA----------				
25	B	Endrin Ketone		----------NA----------				
26	SA	Decachlorobiphenyl	0.928	0.917	1.2	97	0.00	10.64-10.70
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	112	0.00	1.92- 2.92
28	L8	Toxaphene{A}	0.014	0.021	-50.0#	162#	0.01	6.68- 6.88
29	L8	Toxaphene{B}	0.014	0.017	-21.4#	141	0.00	7.48- 7.68
30	L8	Toxaphene{C}	0.037	0.030	18.9	88	0.00	7.59- 7.79
31	L8	Toxaphene{D}	0.024	0.021	12.5	96	0.00	8.01- 8.21
32	L8	Toxaphene{E}	0.035	0.025	28.6#	78	0.00	8.17- 8.37
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	103	0.00	1.92- 2.92
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				

Initial Calibration Verification

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G8G2596-ICV2596
Lab FileID: 8G60354.D

36		Chlordane {C}			----------NA----------			
37		Chlordane {D}			----------NA----------			
38		Chlordane {E}			----------NA----------			
*****		Signal #2 *****						
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	99	0.00	2.29- 3.29
2	SAB	Tetrachloro-m-xylene	1.225	1.319	-7.7	109	0.00	3.65- 3.71
3		hexachlorobenzene			----------NA----------			
4	A	alpha-BHC			----------NA----------			
5	MA	gamma-BHC			----------NA----------			
6	MA	Heptachlor			----------NA----------			
7	B	beta-BHC			----------NA----------			
8	B	delta-BHC			----------NA----------			
9	MB	Aldrin			----------NA----------			
10		alachlor			----------NA----------			
11	B	Heptachlor Epoxide			----------NA----------			
12	B	gamma-Chlordane			----------NA----------			
13	B	alpha-Chlordane			----------NA----------			
14	A	Endosulfan I			----------NA----------			
15	B	4,4'-DDE			----------NA----------			
16	MA	Dieldrin			----------NA----------			
17	MA	Endrin			----------NA----------			
18	A	4,4'-DDD			----------NA----------			
19	B	Endosulfan II			----------NA----------			
20	MA	4,4'-DDT			----------NA----------			
21	B	Endrin Aldehyde			----------NA----------			
22	B	Endosulfan Sulfate			----------NA----------			
23	A	Methoxychlor			----------NA----------			
24		Mirex			----------NA----------			
25	B	Endrin Ketone			----------NA----------			
26	SA	Decachlorobiphenyl	0.693	0.769	-11.0	109	0.00	13.03-13.09
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	110	0.00	2.29- 3.29
28	L8	Toxaphene{A}	0.011	0.015	-36.4#	143	0.00	7.96- 8.16
29	L8	Toxaphene{B}	0.007	0.008	-14.3	117	0.00	8.15- 8.35
30	L8	Toxaphene{C}	0.019	0.022	-15.8	128	0.00	9.04- 9.24
31	L8	Toxaphene{D}	0.009	0.008	11.1	95	0.00	9.19- 9.39
32	L8	Toxaphene{E}	0.027	0.023	14.8	94	0.00	10.42-10.62
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	101	0.00	2.29- 3.29
34		Chlordane {A}			----------NA----------			
35		Chlordane {B}			----------NA----------			
36		Chlordane {C}			----------NA----------			
37		Chlordane {D}			----------NA----------			
38		Chlordane {E}			----------NA----------			

(#) = Out of Range SPCC's out = 0 CCC's out = 0
8g60353.d 8PSTLVI2596a.M Thu Sep 19 13:35:02 2024

Continuing Calibration Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G8G2700-CC2596
Lab FileID: 8G62764.D

Evaluate Continuing Calibration Report

Signal #1 : X:\Dayton SVOA GC\8....00\8g62764.d\ECD1A.ch Vial: 4
Signal #2 : X:\Dayton SVOA GC\8. GC ...8g2700\8g62764.d\ECD2B.ch
Acq On : 3 Dec 2024 1:07 am Operator: christp
Sample : cc2596-5 Inst : GC8G
Misc : op59749,g8g2700,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : X:\Dayton SVOA G...0\8PSTLVI2596a.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Mon Dec 02 07:28:52 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	117	0.00	1.90- 2.90
2	SAB	Tetrachloro-m-xylene	0.965	1.026	-6.3	122	-0.01	2.92- 2.98
3		hexachlorobenzene	1.520	1.658	-9.1	129	-0.01	3.26- 3.32
			True	Calc.	% Drift			
4	A	alpha-BHC	5.000	5.401	-8.0	127	-0.01	3.41- 3.47
			AvgRF	CCRF	% Dev			
5	MA	gamma-BHC	1.262	1.485	-17.7	126	-0.01	3.73- 3.79
6	MA	Heptachlor	1.301	1.520	-16.8	133	-0.01	4.26- 4.32
7	B	beta-BHC	0.596	0.644	-8.1	128	-0.01	3.81- 3.87
8	B	delta-BHC	1.267	1.502	-18.5	126	-0.01	4.01- 4.07
9	MB	Aldrin	1.150	1.367	-18.9	130	-0.01	4.62- 4.68
10		alachlor	0.172	0.183	-6.4	131	-0.01	4.76- 4.82
11	B	Heptachlor Epoxide	1.134	1.298	-14.5	131	-0.01	5.39- 5.45
12	B	gamma-Chlordane	1.209	1.349	-11.6	132	-0.01	5.56- 5.62
13	B	alpha-Chlordane	1.126	1.348	-19.7	134	-0.01	5.74- 5.80
14	A	Endosulfan I	1.052	1.246	-18.4	136	-0.01	5.94- 6.00
15	B	4,4'-DDE	1.152	1.423	-23.5#	138	-0.01	5.85- 5.91
16	MA	Dieldrin	1.146	1.332	-16.2	132	-0.01	6.28- 6.34
17	MA	Endrin	0.903	1.277	-41.4#	159#	-0.01	6.63- 6.69
18	A	4,4'-DDD	0.965	1.145	-18.7	138	-0.01	6.74- 6.80
19	B	Endosulfan II	1.008	1.172	-16.3	134	-0.01	6.97- 7.03
20	MA	4,4'-DDT	0.974	1.198	-23.0#	137	-0.01	7.17- 7.23
21	B	Endrin Aldehyde	0.828	0.889	-7.4	132	-0.01	7.63- 7.69
22	B	Endosulfan Sulfate	0.937	1.054	-12.5	133	-0.01	8.35- 8.41
23	A	Methoxychlor	0.566	0.641	-13.3	139	-0.01	7.97- 8.03
24		Mirex	0.859	0.984	-14.6	142	-0.01	8.17- 8.23
25	B	Endrin Ketone	1.187	1.312	-10.5	133	-0.01	8.80- 8.86
26	SA	Decachlorobiphenyl	0.928	1.062	-14.4	136	-0.01	10.59-10.65
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	136	0.00	1.90- 2.90
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	125	0.00	1.90- 2.90
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				

Continuing Calibration Summary

Job Number: JE1534 **Sample:** G8G2700-CC2596
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 8G62764.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

36		Chlordane {C}			----------NA----------			
37		Chlordane {D}			----------NA----------			
38		Chlordane {E}			----------NA----------			
*****		Signal #2 *****						
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	108	-0.01	2.27- 3.27
2	SAB	Tetrachloro-m-xylene	1.225	1.169	4.6	105	-0.01	3.62- 3.68
3		hexachlorobenzene	1.304	1.202	7.8	109	-0.01	4.20- 4.26
4	A	alpha-BHC	1.522	1.474	3.2	103	-0.01	4.36- 4.42
5	MA	gamma-BHC	1.346	1.328	1.3	108	-0.01	4.84- 4.90
6	MA	Heptachlor	1.189	1.187	0.2	110	-0.01	5.50- 5.56
7	B	beta-BHC	0.687	0.654	4.8	114	-0.01	4.93- 4.99
8	B	delta-BHC	1.304	1.309	-0.4	108	-0.01	5.37- 5.43
9	MB	Aldrin	1.231	1.250	-1.5	110	-0.01	6.01- 6.07
10		alachlor	0.184	0.170	7.6	109	-0.01	5.75- 5.81
11	B	Heptachlor Epoxide	1.163	1.188	-2.1	112	-0.01	6.89- 6.95
12	B	gamma-Chlordane	1.150	1.218	-5.9	114	-0.01	7.20- 7.26
13	B	alpha-Chlordane	1.142	1.191	-4.3	114	-0.01	7.44- 7.50
14	A	Endosulfan I	1.047	1.087	-3.8	113	-0.01	7.55- 7.61
15	B	4,4'-DDE	1.107	1.235	-11.6	121	-0.01	7.69- 7.75
16	MA	Dieldrin	1.184	1.228	-3.7	112	-0.01	8.01- 8.07
17	MA	Endrin	0.853	1.016	-19.1	129	-0.01	8.55- 8.61
18	A	4,4'-DDD	0.973	1.008	-3.6	118	-0.01	8.69- 8.75
19	B	Endosulfan II	0.989	0.970	1.9	106	-0.01	8.91- 8.97
20	MA	4,4'-DDT	0.805	0.859	-6.7	111	-0.01	9.25- 9.31
21	B	Endrin Aldehyde	0.777	0.738	5.0	111	-0.01	9.49- 9.55
22	B	Endosulfan Sulfate	0.894	0.832	6.9	102	-0.01	9.98-10.04
23	A	Methoxychlor	0.400	0.406	-1.5	112	-0.01	10.48-10.54
24		Mirex	0.573	0.574	-0.2	92	-0.01	10.91-10.97
25	B	Endrin Ketone	1.222	1.087	11.0	101	-0.01	10.94-11.00
26	SA	Decachlorobiphenyl	0.693	0.635	8.4	98	-0.01	12.97-13.03
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	119	-0.01	2.27- 3.27
28	L8	Toxaphene{A}			----------NA----------			
29	L8	Toxaphene{B}			----------NA----------			
30	L8	Toxaphene{C}			----------NA----------			
31	L8	Toxaphene{D}			----------NA----------			
32	L8	Toxaphene{E}			----------NA----------			
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	110	-0.01	2.27- 3.27
34		Chlordane {A}			----------NA----------			
35		Chlordane {B}			----------NA----------			
36		Chlordane {C}			----------NA----------			
37		Chlordane {D}			----------NA----------			
38		Chlordane {E}			----------NA----------			

(#) = Out of Range SPCC's out = 0 CCC's out = 0
8g62730.d 8PSTLVI2596a.M Tue Dec 03 12:55:50 2024

Continuing Calibration Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G8G2702-CC2596
Lab FileID: 8G62795A.D

Evaluate Continuing Calibration Report

Signal #1 : X:\Dayton SVOA GC\8....2\8g62795a.d\ECD1A.ch Vial: 4
Signal #2 : X:\Dayton SVOA GC\8. GC ...g2702\8g62795a.d\ECD2B.ch
Acq On : 3 Dec 2024 2:22 pm Operator: kyrac
Sample : cc2596-5 Inst : GC8G
Misc : op59740,g8g2702,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : X:\Dayton SVOA G...2\8PSTLVI2596a.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Mon Dec 02 07:28:52 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	113	0.00	1.91- 2.91
2	SAB	Tetrachloro-m-xylene	0.965	1.058	-9.6	122	0.00	2.93- 2.99
3		hexachlorobenzene	1.520	1.735	-14.1	131	0.00	3.27- 3.33
		---------- True Calc. % Drift ----------						
4	A	alpha-BHC	5.000	5.581	-11.6	128	0.00	3.42- 3.48
		---------- AvgRF CCRF % Dev ----------						
5	MA	gamma-BHC	1.262	1.548	-22.7#	127	0.00	3.73- 3.79
6	MA	Heptachlor	1.301	1.549	-19.1	132	0.00	4.26- 4.32
7	B	beta-BHC	0.596	0.680	-14.1	131	0.00	3.81- 3.87
8	B	delta-BHC	1.267	1.611	-27.2#	131	0.00	4.01- 4.07
9	MB	Aldrin	1.150	1.389	-20.8#	128	0.00	4.62- 4.68
10		alachlor	0.172	0.182	-5.8	126	0.00	4.77- 4.83
11	B	Heptachlor Epoxide	1.134	1.309	-15.4	128	0.00	5.39- 5.45
12	B	gamma-Chlordane	1.209	1.360	-12.5	129	0.00	5.57- 5.63
13	B	alpha-Chlordane	1.126	1.354	-20.2#	131	0.00	5.75- 5.81
14	A	Endosulfan I	1.052	1.248	-18.6	132	0.00	5.95- 6.01
15	B	4,4'-DDE	1.152	1.409	-22.3#	132	0.00	5.85- 5.91
16	MA	Dieldrin	1.146	1.358	-18.5	130	0.00	6.29- 6.35
17	MA	Endrin	0.903	1.234	-36.7#	149	0.00	6.63- 6.69
18	A	4,4'-DDD	0.965	1.116	-15.6	130	0.00	6.74- 6.80
19	B	Endosulfan II	1.008	1.163	-15.4	128	0.00	6.97- 7.03
20	MA	4,4'-DDT	0.974	1.130	-16.0	125	-0.01	7.18- 7.24
21	B	Endrin Aldehyde	0.828	0.895	-8.1	129	0.00	7.63- 7.69
22	B	Endosulfan Sulfate	0.937	1.044	-11.4	127	-0.01	8.35- 8.41
23	A	Methoxychlor	0.566	0.586	-3.5	123	0.00	7.97- 8.03
24		Mirex	0.859	0.927	-7.9	130	-0.01	8.17- 8.23
25	B	Endrin Ketone	1.187	1.254	-5.6	123	-0.01	8.81- 8.87
26	SA	Decachlorobiphenyl	0.928	0.991	-6.8	123	-0.01	10.59-10.65
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	132	0.00	1.91- 2.91
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	123	0.00	1.91- 2.91
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				

Continuing Calibration Summary

Job Number: JE1534 **Sample:** G8G2702-CC2596
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 8G62795A.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

36		Chlordane {C}			----------NA----------			
37		Chlordane {D}			----------NA----------			
38		Chlordane {E}			----------NA----------			
*****		Signal #2 *****						
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	109	0.00	2.28- 3.28
2	SAB	Tetrachloro-m-xylene	1.225	1.187	3.1	107	0.00	3.63- 3.69
3		hexachlorobenzene	1.304	1.230	5.7	112	0.00	4.20- 4.26
4	A	alpha-BHC	1.522	1.592	-4.6	112	0.00	4.36- 4.42
5	MA	gamma-BHC	1.346	1.385	-2.9	113	0.00	4.84- 4.90
6	MA	Heptachlor	1.189	1.209	-1.7	113	0.00	5.50- 5.56
7	B	beta-BHC	0.687	0.681	0.9	119	0.00	4.93- 4.99
8	B	delta-BHC	1.304	1.389	-6.5	116	0.00	5.38- 5.44
9	MB	Aldrin	1.231	1.248	-1.4	111	0.00	6.01- 6.07
10		alachlor	0.184	0.167	9.2	108	0.00	5.75- 5.81
11	B	Heptachlor Epoxide	1.163	1.177	-1.2	112	0.00	6.90- 6.96
12	B	gamma-Chlordane	1.150	1.192	-3.7	113	0.00	7.20- 7.26
13	B	alpha-Chlordane	1.142	1.167	-2.2	112	0.00	7.44- 7.50
14	A	Endosulfan I	1.047	1.067	-1.9	111	0.00	7.56- 7.62
15	B	4,4'-DDE	1.107	1.197	-8.1	118	0.00	7.70- 7.76
16	MA	Dieldrin	1.184	1.199	-1.3	110	-0.01	8.01- 8.07
17	MA	Endrin	0.853	0.958	-12.3	122	0.00	8.55- 8.61
18	A	4,4'-DDD	0.973	0.961	1.2	113	0.00	8.69- 8.75
19	B	Endosulfan II	0.989	0.948	4.1	104	0.00	8.91- 8.97
20	MA	4,4'-DDT	0.805	0.821	-2.0	107	0.00	9.25- 9.31
21	B	Endrin Aldehyde	0.777	0.709	8.8	108	0.00	9.50- 9.56
22	B	Endosulfan Sulfate	0.894	0.830	7.2	102	0.00	9.98-10.04
23	A	Methoxychlor	0.400	0.375	6.3	104	0.00	10.48-10.54
24		Mirex	0.573	0.580	-1.2	93	0.00	10.91-10.97
25	B	Endrin Ketone	1.222	1.000	18.2	93	0.00	10.94-11.00
26	SA	Decachlorobiphenyl	0.693	0.584	15.7	90	0.00	12.97-13.03
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	120	0.00	2.28- 3.28
28	L8	Toxaphene{A}			----------NA----------			
29	L8	Toxaphene{B}			----------NA----------			
30	L8	Toxaphene{C}			----------NA----------			
31	L8	Toxaphene{D}			----------NA----------			
32	L8	Toxaphene{E}			----------NA----------			
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	111	0.00	2.28- 3.28
34		Chlordane {A}			----------NA----------			
35		Chlordane {B}			----------NA----------			
36		Chlordane {C}			----------NA----------			
37		Chlordane {D}			----------NA----------			
38		Chlordane {E}			----------NA----------			

(#) = Out of Range SPCC's out = 0 CCC's out = 0
8g62730.d 8PSTLVI2596a.M Wed Dec 04 18:44:30 2024

Initial Calibration Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL343-ICC343
Lab FileID: RL15612.D

Response Factor Report GCRL

Method : C:\msdchem\1\met...pcblvigcrl343a.m (ChemStation Integrator)
Title :
Last Update : Mon Apr 29 20:33:49 2024
Response via : Initial Calibration

Calibration Files
50 =RL15608.D 250 =RL15610.D 500 =RL15611.D 1000=RL15612.D
2000=RL15613.D 3000=RL15614.D 5000=RL15615.D 10k =RL15616.D
20k =RL15617.D 100 =RL15609.D = =

Compound	50	250	500	1000	2000	3000	5000	10k	20k	100	Avg	%RSD
1) Tetrachloro-m-xylene	2.139	2.110	2.322	2.087	2.120	2.227				2.252	2.180 E8	4.03
2) AR1221-A				1.641							1.641 E6	0.00
3) AR1221-B				2.317							2.317 E6	0.00
4) AR1221-C				6.262							6.262 E6	0.00
5) AR1221-D				1.131							1.131 E6	0.00
6) AR1221-E				1.465							1.465 E6	0.00
7) AR1232-A				5.322							5.322 E6	0.00
8) AR1232-B				3.540							3.540 E6	0.00
9) AR1232-C				7.399							7.399 E6	0.00
10) AR1232-D				2.880							2.880 E6	0.00
11) AR1232-E				2.597							2.597 E6	0.00
12) AR1242-A				6.180							6.180 E6	0.00
13) AR1242-B				1.312							1.312 E7	0.00
14) AR1242-C				5.235							5.235 E6	0.00
15) AR1242-D				3.954							3.954 E6	0.00
16) AR1242-E				4.474							4.474 E6	0.00
17) AR1248-A				2.776							2.776 E6	0.00
18) AR1248-B				7.946							7.946 E6	0.00
19) AR1248-C				4.769							4.769 E6	0.00
20) AR1248-D				4.198							4.198 E6	0.00
21) AR1248-E				3.757							3.757 E6	0.00
22) AR1248-F				7.422							7.422 E6	0.00
23) AR1248-G												

Initial Calibration Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL343-ICC343
Lab FileID: RL15612.D

		6.237									6.237 E6	0.00
24)	AR1254-A												
		6.642									6.642 E6	0.00
25)	AR1254-B												
		1.204									1.204 E7	0.00
26)	AR1254-C												
		7.173									7.173 E6	0.00
27)	AR1254-D												
		1.260									1.260 E7	0.00
28)	AR1254-E												
		9.726									9.726 E6	0.00
29)	AR1254-F												
		9.137									9.137 E6	0.00
30)	AR1254-G												
		1.279									1.279 E7	0.00
31)	AR1262-A												
		1.078									1.078 E7	0.00
32)	AR1262-B												
		1.456									1.456 E7	0.00
33)	AR1262-C												
		1.174									1.174 E7	0.00
34)	AR1262-D												
		2.751									2.751 E7	0.00
35)	AR1262-E												
		2.864									2.864 E7	0.00
36)	AR1268-A												
		3.105									3.105 E7	0.00
37)	AR1268-B												
		2.879									2.879 E7	0.00
38)	AR1268-C												
		2.302									2.302 E7	0.00
39)	AR1268-D												
		9.768									9.768 E6	0.00
40)	AR1268-E												
		6.918									6.918 E7	0.00
41)	AR1016-A												
	4.264	4.052	3.744	3.880	3.424	3.438	3.573	3.699	3.495	4.711	3.828 E6	10.80
42)	AR1016-B												
	8.012	8.027	7.569	7.887	6.941	6.955	7.234	7.507	7.111	8.873	7.612 E6	7.94
43)	AR1016-C												
	1.671	1.698	1.614	1.713	1.509	1.518	1.586	1.658	1.586	1.903	1.646 E7	6.94
44)	AR1016-D												
	7.944	6.959	6.556	6.826	6.256	6.046	6.297	6.488	6.367	8.285	6.802 E6	10.96
45)	AR1016-E												
	7.183	7.055	6.683	7.023	6.247	6.281	6.608	6.780	6.353	8.003	6.822 E6	7.77
46)	AR1260-A												
	1.550	1.561	1.488	1.566	1.385	1.390	1.449	1.508	1.435	1.726	1.506 E7	6.78
47)	AR1260-B												
	1.037	1.060	1.003	1.069	0.891	0.952	1.001	1.041	0.990	1.093	1.014 E7	5.92
48)	AR1260-C												
	0.881	0.930	0.903	0.968	0.866	0.872	0.917	0.938	0.911	1.003	0.919 E7	4.68
49)	AR1260-D												
	2.054	2.211	2.146	2.310	2.071	2.102	2.235	2.420	1.937	2.331	2.182 E7	6.76
50)	AR1260-E												
	2.185	2.223	2.157	2.310	2.063	2.103	2.217	2.340	2.242	2.487	2.233 E7	5.51
51)	Decachlorobiphenyl												
	1.518	1.423	1.487	1.304	1.305	1.348				1.891	1.468 E8	13.95

Signal #2

Initial Calibration Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL343-ICC343
Lab FileID: RL15612.D

1)	Tetrachloro-m-xylene								
		1.432	1.438	1.583	1.457	1.489	1.585	1.556	1.506 E8	4.49
2)	AR1221-A									
				1.060					1.060 E6	0.00
3)	AR1221-B									
				1.579					1.579 E6	0.00
4)	AR1221-C									
				4.351					4.351 E6	0.00
5)	AR1221-D									
				1.191					1.191 E6	0.00
6)	AR1221-E									
				8.198					8.198 E5	0.00
7)	AR1232-A									
				3.082					3.082 E6	0.00
8)	AR1232-B									
				2.339					2.339 E6	0.00
9)	AR1232-C									
				5.146					5.146 E6	0.00
10)	AR1232-D									
				1.933					1.933 E6	0.00
11)	AR1232-E									
				1.391					1.391 E6	0.00
12)	AR1242-A									
				4.260					4.260 E6	0.00
13)	AR1242-B									
				9.860					9.860 E6	0.00
14)	AR1242-C									
				3.593					3.593 E6	0.00
15)	AR1242-D									
				2.942					2.942 E6	0.00
16)	AR1242-E									
				3.571					3.571 E6	0.00
17)	AR1248-A									
				1.891					1.891 E6	0.00
18)	AR1248-B									
				5.798					5.798 E6	0.00
19)	AR1248-C									
				3.608					3.608 E6	0.00
20)	AR1248-D									
				4.785					4.785 E6	0.00
21)	AR1248-E									
				4.347					4.347 E6	0.00
22)	AR1248-F									
				6.468					6.468 E6	0.00
23)	AR1248-G									
				5.895					5.895 E6	0.00
24)	AR1254-A									
				5.798					5.798 E6	0.00
25)	AR1254-B									
				6.898					6.898 E6	0.00
26)	AR1254-C									
				4.806					4.806 E6	0.00
27)	AR1254-D									
				1.073					1.073 E7	0.00
28)	AR1254-E									
				8.537					8.537 E6	0.00
29)	AR1254-F									
				7.764					7.764 E6	0.00
30)	AR1254-G									
				9.950					9.950 E6	0.00

Initial Calibration Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL343-ICC343
Lab FileID: RL15612.D

```
31)  AR1262-A
                          8.633                                    8.633 E6    0.00
32)  AR1262-B
                          1.263                                    1.263 E7    0.00
33)  AR1262-C
                          9.803                                    9.803 E6    0.00
34)  AR1262-D
                          2.086                                    2.086 E7    0.00
35)  AR1262-E
                          2.188                                    2.188 E7    0.00
36)  AR1268-A
                          2.505                                    2.505 E7    0.00
37)  AR1268-B
                          2.163                                    2.163 E7    0.00
38)  AR1268-C
                          1.756                                    1.756 E7    0.00
39)  AR1268-D
                          7.384                                    7.384 E6    0.00
40)  AR1268-E
                          5.255                                    5.255 E7    0.00
41)  AR1016-A
          2.500 2.653 2.466 2.718 2.435 2.415 2.535 2.669 2.520 2.758  2.567 E6    4.78
42)  AR1016-B
          4.939 5.348 5.178 5.544 4.994 5.065 5.318 5.556 5.239 5.925  5.310 E6    5.66
43)  AR1016-C
          1.213 1.246 1.238 1.323 1.185 1.199 1.255 1.310 1.237 1.398  1.260 E7    5.16
44)  AR1016-D
          4.490 4.690 4.535 4.847 4.345 4.391 4.610 4.804 4.526 4.872  4.611 E6    4.05
45)  AR1016-E
          3.380 3.849 3.611 3.855 3.487 3.533 3.711 3.861 3.621 4.388  3.730 E6    7.62
46)  AR1260-A
          1.178 1.093 1.060 1.153 1.037 1.049 1.109 1.171 1.114 1.134  1.110 E7    4.52
47)  AR1260-B
          7.479 8.433 8.327 8.973 8.105 8.209 8.683 9.199 8.775 9.381  8.556 E6    6.61
48)  AR1260-C
          9.074 8.085 7.765 8.360 7.593 7.713 8.190 8.700 8.293 8.928  8.270 E6    6.16
49)  AR1260-D
          1.838 1.863 1.828 1.946 1.754 1.786 1.907 2.045 1.742 2.012  1.872 E7    5.57
50)  AR1260-E
          1.700 1.687 1.727 1.795 1.610 1.634 1.734 1.855 1.787 1.888  1.742 E7    5.17
51)  Decachlorobiphenyl
                1.198 1.100 1.107 0.970 0.974 1.021            1.475  1.121 E8   15.71
-------------------------------------------------------------------------------
(#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          pcblvigcrl343a.m        Mon Apr 29 20:51:31 2024
```

Initial Calibration Verification

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL343-ICV343
Lab FileID: RL15618.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\grl343\RL15618.D\ECD1A.ch Vial: 31
Signal #2 : C:\msdchem\1\data\grl343\RL15618.D\ECD2B.ch
Acq On : 29 Apr 2024 05:04 am Operator: christp
Sample : icv343-100 Inst : GCRL
Misc : op54010,grl343,5.1,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\met...pcblvigcrl343a.m (ChemStation Integrator)
Title :
Last Update : Mon Apr 29 20:33:49 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	217.958	236.951 E6	-8.7	102	0.00	3.89- 3.95
2		AR1221-A		----------NA----------				
3		AR1221-B		----------NA----------				
4		AR1221-C		----------NA----------				
5		AR1221-D		----------NA----------				
6		AR1221-E		----------NA----------				
7		AR1232-A		----------NA----------				
8		AR1232-B		----------NA----------				
9		AR1232-C		----------NA----------				
10		AR1232-D		----------NA----------				
11		AR1232-E		----------NA----------				
12		AR1242-A		----------NA----------				
13		AR1242-B		----------NA----------				
14		AR1242-C		----------NA----------				
15		AR1242-D		----------NA----------				
16		AR1242-E		----------NA----------				
17		AR1248-A		----------NA----------				
18		AR1248-B		----------NA----------				
19		AR1248-C		----------NA----------				
20		AR1248-D		----------NA----------				
21		AR1248-E		----------NA----------				
22		AR1248-F		----------NA----------				
23		AR1248-G		----------NA----------				
24		AR1254-A		----------NA----------				
25		AR1254-B		----------NA----------				
26		AR1254-C		----------NA----------				
27		AR1254-D		----------NA----------				
28		AR1254-E		----------NA----------				
29		AR1254-F		----------NA----------				
30		AR1254-G		----------NA----------				
31		AR1262-A		----------NA----------				
32		AR1262-B		----------NA----------				
33		AR1262-C		----------NA----------				
34		AR1262-D		----------NA----------				
35		AR1262-E		----------NA----------				
36		AR1268-A		----------NA----------				
37		AR1268-B		----------NA----------				
38		AR1268-C		----------NA----------				
39		AR1268-D		----------NA----------				
40		AR1268-E		----------NA----------				
41		AR1016-A	3.828	3.613 E6	5.6	93	0.00	4.19- 4.25

Initial Calibration Verification

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL343-ICV343
Lab FileID: RL15618.D

42		AR1016-B	7.612	7.803	E6	-2.5	99	0.00	4.49- 4.55
43		AR1016-C	16.456	16.744	E6	-1.8	98	0.00	4.89- 4.95
44		AR1016-D	6.802	6.681	E6	1.8	98	0.00	5.01- 5.07
45		AR1016-E	6.822	6.675	E6	2.2	95	0.00	5.41- 5.48
46		AR1260-A	15.058	15.462	E6	-2.7	99	0.00	7.43- 7.49
47		AR1260-B	10.137	8.591	E6	15.3	80	0.00	7.92- 7.98
48		AR1260-C	9.189	7.846	E6	14.6	81	0.00	8.19- 8.26
49		AR1260-D	21.816	18.919	E6	13.3	82	0.00	8.53- 8.59
50		AR1260-E	22.328	18.020	E6	19.3	78	0.00	8.81- 8.87
51	S	Decachlorobiphenyl	146.814	166.157	E6	-13.2	112	0.00	9.79- 9.86
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	150.553	162.561	E6	-8.0	103	0.00	4.30- 4.36
2		AR1221-A		----------NA----------					
3		AR1221-B		----------NA----------					
4		AR1221-C		----------NA----------					
5		AR1221-D		----------NA----------					
6		AR1221-E		----------NA----------					
7		AR1232-A		----------NA----------					
8		AR1232-B		----------NA----------					
9		AR1232-C		----------NA----------					
10		AR1232-D		----------NA----------					
11		AR1232-E		----------NA----------					
12		AR1242-A		----------NA----------					
13		AR1242-B		----------NA----------					
14		AR1242-C		----------NA----------					
15		AR1242-D		----------NA----------					
16		AR1242-E		----------NA----------					
17		AR1248-A		----------NA----------					
18		AR1248-B		----------NA----------					
19		AR1248-C		----------NA----------					
20		AR1248-D		----------NA----------					
21		AR1248-E		----------NA----------					
22		AR1248-F		----------NA----------					
23		AR1248-G		----------NA----------					
24		AR1254-A		----------NA----------					
25		AR1254-B		----------NA----------					
26		AR1254-C		----------NA----------					
27		AR1254-D		----------NA----------					
28		AR1254-E		----------NA----------					
29		AR1254-F		----------NA----------					
30		AR1254-G		----------NA----------					
31		AR1262-A		----------NA----------					
32		AR1262-B		----------NA----------					
33		AR1262-C		----------NA----------					
34		AR1262-D		----------NA----------					
35		AR1262-E		----------NA----------					
36		AR1268-A		----------NA----------					
37		AR1268-B		----------NA----------					
38		AR1268-C		----------NA----------					
39		AR1268-D		----------NA----------					
40		AR1268-E		----------NA----------					
41		AR1016-A	2.567	2.488	E6	3.1	92	0.00	4.75- 4.81
42		AR1016-B	5.310	5.458	E6	-2.8	98	0.00	5.15- 5.21
43		AR1016-C	12.604	12.715	E6	-0.9	96	0.00	5.66- 5.72
44		AR1016-D	4.611	4.606	E6	0.1	95	0.00	5.83- 5.89
45		AR1016-E	3.730	3.693	E6	1.0	96	0.00	6.49- 6.55
46		AR1260-A	11.098	11.138	E6	-0.4	97	0.00	8.47- 8.53
47		AR1260-B	8.556	7.116	E6	16.8	79	0.00	8.94- 9.00

Initial Calibration Verification

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL343-ICV343
Lab FileID: RL15618.D

48		AR1260-C	8.270	6.984	E6	15.6	84	0.00	9.22- 9.28
49		AR1260-D	18.723	15.920	E6	15.0	82	0.00	9.44- 9.50
50		AR1260-E	17.416	13.882	E6	20.3#	77	0.00	9.76- 9.82
51	S	Decachlorobiphenyl	112.075	121.443	E6	-8.4	110	0.00	10.71-10.77

(#) = Out of Range SPCC's out = 0 CCC's out = 0
RL15612.D pcblvigcrl343a.m Mon Apr 29 20:50:16 2024

Initial Calibration Verification

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL343-ICV343
Lab FileID: RL15626.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\grl343\RL15626.D\ECD1A.ch Vial: 39
Signal #2 : C:\msdchem\1\data\grl343\RL15626.D\ECD2B.ch
Acq On : 29 Apr 2024 07:19 am Operator: christp
Sample : icv343-100 Inst : GCRL
Misc : op54010,grl343,5.1,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\met...pcblvigcrl343a.m (ChemStation Integrator)
Title :
Last Update : Mon Apr 29 13:50:45 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 S	Tetrachloro-m-xylene	217.958	224.922 E6	-3.2	97	0.00	3.89- 3.95
2	AR1221-A	1.641	1.412 E6	14.0	86	0.00	3.38- 3.58
3	AR1221-B	2.317	1.953 E6	15.7	84	0.00	3.96- 4.16
4	AR1221-C	6.262	4.929 E6	21.3#	79	0.00	4.12- 4.32
5	AR1221-D	1.131	0.985 E6	12.9	87	0.00	4.42- 4.62
6	AR1221-E	1.465	0.992 E6	32.3#	68	0.02	4.82- 5.02
7	AR1232-A		----------NA----------				
8	AR1232-B		----------NA----------				
9	AR1232-C		----------NA----------				
10	AR1232-D		----------NA----------				
11	AR1232-E		----------NA----------				
12	AR1242-A		----------NA----------				
13	AR1242-B		----------NA----------				
14	AR1242-C		----------NA----------				
15	AR1242-D		----------NA----------				
16	AR1242-E		----------NA----------				
17	AR1248-A		----------NA----------				
18	AR1248-B		----------NA----------				
19	AR1248-C		----------NA----------				
20	AR1248-D		----------NA----------				
21	AR1248-E		----------NA----------				
22	AR1248-F		----------NA----------				
23	AR1248-G		----------NA----------				
24	AR1254-A		----------NA----------				
25	AR1254-B		----------NA----------				
26	AR1254-C		----------NA----------				
27	AR1254-D		----------NA----------				
28	AR1254-E		----------NA----------				
29	AR1254-F		----------NA----------				
30	AR1254-G		----------NA----------				
31	AR1262-A		----------NA----------				
32	AR1262-B		----------NA----------				
33	AR1262-C		----------NA----------				
34	AR1262-D		----------NA----------				
35	AR1262-E		----------NA----------				
36	AR1268-A		----------NA----------				
37	AR1268-B		----------NA----------				
38	AR1268-C		----------NA----------				
39	AR1268-D		----------NA----------				
40	AR1268-E		----------NA----------				
41	AR1016-A		----------NA----------				

Initial Calibration Verification

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL343-ICV343
Lab FileID: RL15626.D

42		AR1016-B			----------NA----------				
43		AR1016-C			----------NA----------				
44		AR1016-D			----------NA----------				
45		AR1016-E			----------NA----------				
46		AR1260-A			----------NA----------				
47		AR1260-B			----------NA----------				
48		AR1260-C			----------NA----------				
49		AR1260-D			----------NA----------				
50		AR1260-E			----------NA----------				
51	S	Decachlorobiphenyl	146.814	147.582 E6	-0.5	99	0.01	9.80-	9.87
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	150.553	147.554 E6	2.0	93	0.00	4.30-	4.36
2		AR1221-A	1.060	1.051 E6	0.8	99	0.00	3.89-	3.95
3		AR1221-B	1.579	1.332 E6	15.6	84	0.00	4.50-	4.70
4		AR1221-C	4.351	3.431 E6	21.1#	79	0.00	4.69-	4.89
5		AR1221-D	1.191	1.057 E6	11.3	89	0.00	5.14-	5.34
6		AR1221-E	819.844	710.372 E3	13.4	87	0.00	5.59-	5.79
7		AR1232-A			----------NA----------				
8		AR1232-B			----------NA----------				
9		AR1232-C			----------NA----------				
10		AR1232-D			----------NA----------				
11		AR1232-E			----------NA----------				
12		AR1242-A			----------NA----------				
13		AR1242-B			----------NA----------				
14		AR1242-C			----------NA----------				
15		AR1242-D			----------NA----------				
16		AR1242-E			----------NA----------				
17		AR1248-A			----------NA----------				
18		AR1248-B			----------NA----------				
19		AR1248-C			----------NA----------				
20		AR1248-D			----------NA----------				
21		AR1248-E			----------NA----------				
22		AR1248-F			----------NA----------				
23		AR1248-G			----------NA----------				
24		AR1254-A			----------NA----------				
25		AR1254-B			----------NA----------				
26		AR1254-C			----------NA----------				
27		AR1254-D			----------NA----------				
28		AR1254-E			----------NA----------				
29		AR1254-F			----------NA----------				
30		AR1254-G			----------NA----------				
31		AR1262-A			----------NA----------				
32		AR1262-B			----------NA----------				
33		AR1262-C			----------NA----------				
34		AR1262-D			----------NA----------				
35		AR1262-E			----------NA----------				
36		AR1268-A			----------NA----------				
37		AR1268-B			----------NA----------				
38		AR1268-C			----------NA----------				
39		AR1268-D			----------NA----------				
40		AR1268-E			----------NA----------				
41		AR1016-A			----------NA----------				
42		AR1016-B			----------NA----------				
43		AR1016-C			----------NA----------				
44		AR1016-D			----------NA----------				
45		AR1016-E			----------NA----------				
46		AR1260-A			----------NA----------				
47		AR1260-B			----------NA----------				

Initial Calibration Verification

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL343-ICV343
Lab FileID: RL15626.D

48		AR1260-C				----------NA----------			
49		AR1260-D				----------NA----------			
50		AR1260-E				----------NA----------			
51	S	Decachlorobiphenyl	112.075	109.264	E6	2.5	99	0.03	10.74-10.80

(#) = Out of Range SPCC's out = 0 CCC's out = 0
RL15612.D pcblvigcrl343a.m Mon Apr 29 13:55:20 2024

10.8.9 10

Initial Calibration Verification

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL343-ICV343
Lab FileID: RL15627.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\grl343\RL15627.D\ECD1A.ch Vial: 40
Signal #2 : C:\msdchem\1\data\grl343\RL15627.D\ECD2B.ch
Acq On : 29 Apr 2024 07:36 am Operator: christp
Sample : icv343-100 Inst : GCRL
Misc : op54010,grl343,5.1,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\met...pcblvigcrl343a.m (ChemStation Integrator)
Title :
Last Update : Mon Apr 29 13:50:45 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	217.958	207.971 E6	4.6	90	0.00	3.89- 3.95
2		AR1221-A		----------NA----------				
3		AR1221-B		----------NA----------				
4		AR1221-C		----------NA----------				
5		AR1221-D		----------NA----------				
6		AR1221-E		----------NA----------				
7		AR1232-A		----------NA----------				
8		AR1232-B		----------NA----------				
9		AR1232-C		----------NA----------				
10		AR1232-D		----------NA----------				
11		AR1232-E		----------NA----------				
12		AR1242-A		----------NA----------				
13		AR1242-B		----------NA----------				
14		AR1242-C		----------NA----------				
15		AR1242-D		----------NA----------				
16		AR1242-E		----------NA----------				
17		AR1248-A		----------NA----------				
18		AR1248-B		----------NA----------				
19		AR1248-C		----------NA----------				
20		AR1248-D		----------NA----------				
21		AR1248-E		----------NA----------				
22		AR1248-F		----------NA----------				
23		AR1248-G		----------NA----------				
24		AR1254-A	6.642	6.036 E6	9.1	91	0.00	5.77- 5.97
25		AR1254-B	12.041	10.927 E6	9.3	91	0.00	6.10- 6.30
26		AR1254-C	7.173	6.434 E6	10.3	90	0.00	6.50- 6.70
27		AR1254-D	12.604	11.295 E6	10.4	90	0.00	6.70- 6.90
28		AR1254-E	9.726	8.726 E6	10.3	90	0.00	7.11- 7.31
29		AR1254-F	9.137	8.417 E6	7.9	92	0.00	7.36- 7.56
30		AR1254-G	12.789	11.612 E6	9.2	91	0.00	7.72- 7.92
31		AR1262-A		----------NA----------				
32		AR1262-B		----------NA----------				
33		AR1262-C		----------NA----------				
34		AR1262-D		----------NA----------				
35		AR1262-E		----------NA----------				
36		AR1268-A		----------NA----------				
37		AR1268-B		----------NA----------				
38		AR1268-C		----------NA----------				
39		AR1268-D		----------NA----------				
40		AR1268-E		----------NA----------				
41		AR1016-A		----------NA----------				

Initial Calibration Verification

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL343-ICV343
Lab FileID: RL15627.D

42		AR1016-B			----------NA----------				
43		AR1016-C			----------NA----------				
44		AR1016-D			----------NA----------				
45		AR1016-E			----------NA----------				
46		AR1260-A			----------NA----------				
47		AR1260-B			----------NA----------				
48		AR1260-C			----------NA----------				
49		AR1260-D			----------NA----------				
50		AR1260-E			----------NA----------				
51	S	Decachlorobiphenyl	146.814	148.244 E6	-1.0	100	0.02	9.80- 9.87	
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	150.553	144.871 E6	3.8	92	0.00	4.30- 4.36	
2		AR1221-A			----------NA----------				
3		AR1221-B			----------NA----------				
4		AR1221-C			----------NA----------				
5		AR1221-D			----------NA----------				
6		AR1221-E			----------NA----------				
7		AR1232-A			----------NA----------				
8		AR1232-B			----------NA----------				
9		AR1232-C			----------NA----------				
10		AR1232-D			----------NA----------				
11		AR1232-E			----------NA----------				
12		AR1242-A			----------NA----------				
13		AR1242-B			----------NA----------				
14		AR1242-C			----------NA----------				
15		AR1242-D			----------NA----------				
16		AR1242-E			----------NA----------				
17		AR1248-A			----------NA----------				
18		AR1248-B			----------NA----------				
19		AR1248-C			----------NA----------				
20		AR1248-D			----------NA----------				
21		AR1248-E			----------NA----------				
22		AR1248-F			----------NA----------				
23		AR1248-G			----------NA----------				
24		AR1254-A	5.798	5.237 E6	9.7	90	0.00	7.10- 7.30	
25		AR1254-B	6.898	6.165 E6	10.6	89	0.00	7.35- 7.55	
26		AR1254-C	4.806	4.237 E6	11.8	88	0.00	7.82- 8.02	
27		AR1254-D	10.728	9.523 E6	11.2	89	0.00	7.97- 8.17	
28		AR1254-E	8.537	7.428 E6	13.0	87	0.00	8.22- 8.42	
29		AR1254-F	7.764	6.934 E6	10.7	89	0.00	8.59- 8.79	
30		AR1254-G	9.950	8.973 E6	9.8	90	0.00	8.79- 8.99	
31		AR1262-A			----------NA----------				
32		AR1262-B			----------NA----------				
33		AR1262-C			----------NA----------				
34		AR1262-D			----------NA----------				
35		AR1262-E			----------NA----------				
36		AR1268-A			----------NA----------				
37		AR1268-B			----------NA----------				
38		AR1268-C			----------NA----------				
39		AR1268-D			----------NA----------				
40		AR1268-E			----------NA----------				
41		AR1016-A			----------NA----------				
42		AR1016-B			----------NA----------				
43		AR1016-C			----------NA----------				
44		AR1016-D			----------NA----------				
45		AR1016-E			----------NA----------				
46		AR1260-A			----------NA----------				
47		AR1260-B			----------NA----------				

Initial Calibration Verification

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL343-ICV343
Lab FileID: RL15627.D

48		AR1260-C			----------NA----------			
49		AR1260-D			----------NA----------			
50		AR1260-E			----------NA----------			
51	S	Decachlorobiphenyl	112.075	105.258 E6	6.1	95	0.03	10.74-10.80

(#) = Out of Range SPCC's out = 0 CCC's out = 0
RL15612.D pcblvigcrl343a.m Mon Apr 29 13:55:33 2024

Initial Calibration Verification

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL343-ICV343
Lab FileID: RL15628.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\grl343\RL15628.D\ECD1A.ch Vial: 41
Signal #2 : C:\msdchem\1\data\grl343\RL15628.D\ECD2B.ch
Acq On : 29 Apr 2024 07:53 am Operator: christp
Sample : icv343-100 Inst : GCRL
Misc : op54010,grl343,5.1,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\met...pcblvigcrl343a.m (ChemStation Integrator)
Title :
Last Update : Mon Apr 29 13:50:45 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	217.958	229.266 E6	-5.2	99	0.00	3.89- 3.95
2		AR1221-A		----------NA----------				
3		AR1221-B		----------NA----------				
4		AR1221-C		----------NA----------				
5		AR1221-D		----------NA----------				
6		AR1221-E		----------NA----------				
7		AR1232-A	5.322	4.869 E6	8.5	91	0.00	4.12- 4.32
8		AR1232-B	3.540	3.315 E6	6.4	94	0.00	4.42- 4.62
9		AR1232-C	7.399	6.972 E6	5.8	94	0.00	4.82- 5.02
10		AR1232-D	2.880	2.615 E6	9.2	91	0.00	4.94- 5.14
11		AR1232-E	2.597	2.463 E6	5.2	95	0.00	5.34- 5.54
12		AR1242-A		----------NA----------				
13		AR1242-B		----------NA----------				
14		AR1242-C		----------NA----------				
15		AR1242-D		----------NA----------				
16		AR1242-E		----------NA----------				
17		AR1248-A		----------NA----------				
18		AR1248-B		----------NA----------				
19		AR1248-C		----------NA----------				
20		AR1248-D		----------NA----------				
21		AR1248-E		----------NA----------				
22		AR1248-F		----------NA----------				
23		AR1248-G		----------NA----------				
24		AR1254-A		----------NA----------				
25		AR1254-B		----------NA----------				
26		AR1254-C		----------NA----------				
27		AR1254-D		----------NA----------				
28		AR1254-E		----------NA----------				
29		AR1254-F		----------NA----------				
30		AR1254-G		----------NA----------				
31		AR1262-A		----------NA----------				
32		AR1262-B		----------NA----------				
33		AR1262-C		----------NA----------				
34		AR1262-D		----------NA----------				
35		AR1262-E		----------NA----------				
36		AR1268-A		----------NA----------				
37		AR1268-B		----------NA----------				
38		AR1268-C		----------NA----------				
39		AR1268-D		----------NA----------				
40		AR1268-E		----------NA----------				
41		AR1016-A		----------NA----------				

Initial Calibration Verification

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL343-ICV343
Lab FileID: RL15628.D

42		AR1016-B		----------NA----------					
43		AR1016-C		----------NA----------					
44		AR1016-D		----------NA----------					
45		AR1016-E		----------NA----------					
46		AR1260-A		----------NA----------					
47		AR1260-B		----------NA----------					
48		AR1260-C		----------NA----------					
49		AR1260-D		----------NA----------					
50		AR1260-E		----------NA----------					
51	S	Decachlorobiphenyl	146.814	155.056 E6	-5.6	104	0.02	9.80-	9.87
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	150.553	151.869 E6	-0.9	96	0.00	4.30-	4.36
2		AR1221-A		----------NA----------					
3		AR1221-B		----------NA----------					
4		AR1221-C		----------NA----------					
5		AR1221-D		----------NA----------					
6		AR1221-E		----------NA----------					
7		AR1232-A	3.082	2.860 E6	7.2	93	0.00	4.69-	4.89
8		AR1232-B	2.339	2.165 E6	7.4	93	0.00	5.08-	5.28
9		AR1232-C	5.146	4.816 E6	6.4	94	0.00	5.59-	5.79
10		AR1232-D	1.933	1.798 E6	7.0	93	0.00	5.76-	5.96
11		AR1232-E	1.391	1.315 E6	5.5	95	0.00	6.42-	6.62
12		AR1242-A		----------NA----------					
13		AR1242-B		----------NA----------					
14		AR1242-C		----------NA----------					
15		AR1242-D		----------NA----------					
16		AR1242-E		----------NA----------					
17		AR1248-A		----------NA----------					
18		AR1248-B		----------NA----------					
19		AR1248-C		----------NA----------					
20		AR1248-D		----------NA----------					
21		AR1248-E		----------NA----------					
22		AR1248-F		----------NA----------					
23		AR1248-G		----------NA----------					
24		AR1254-A		----------NA----------					
25		AR1254-B		----------NA----------					
26		AR1254-C		----------NA----------					
27		AR1254-D		----------NA----------					
28		AR1254-E		----------NA----------					
29		AR1254-F		----------NA----------					
30		AR1254-G		----------NA----------					
31		AR1262-A		----------NA----------					
32		AR1262-B		----------NA----------					
33		AR1262-C		----------NA----------					
34		AR1262-D		----------NA----------					
35		AR1262-E		----------NA----------					
36		AR1268-A		----------NA----------					
37		AR1268-B		----------NA----------					
38		AR1268-C		----------NA----------					
39		AR1268-D		----------NA----------					
40		AR1268-E		----------NA----------					
41		AR1016-A		----------NA----------					
42		AR1016-B		----------NA----------					
43		AR1016-C		----------NA----------					
44		AR1016-D		----------NA----------					
45		AR1016-E		----------NA----------					
46		AR1260-A		----------NA----------					
47		AR1260-B		----------NA----------					

Initial Calibration Verification

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL343-ICV343
Lab FileID: RL15628.D

48		AR1260-C				----------NA----------			
49		AR1260-D				----------NA----------			
50		AR1260-E				----------NA----------			
51	S	Decachlorobiphenyl	112.075	110.882	E6	1.1	100	0.03	10.74-10.80

(#) = Out of Range SPCC's out = 0 CCC's out = 0
RL15612.D pcblvigcrl343a.m Mon Apr 29 20:29:52 2024

Initial Calibration Verification

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL343-ICV343
Lab FileID: RL15629.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\grl343\RL15629.D\ECD1A.ch Vial: 42
Signal #2 : C:\msdchem\1\data\grl343\RL15629.D\ECD2B.ch
Acq On : 29 Apr 2024 08:09 am Operator: christp
Sample : icv343-100 Inst : GCRL
Misc : op54010,grl343,5.1,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\met...pcblvigcrl343a.m (ChemStation Integrator)
Title :
Last Update : Mon Apr 29 13:50:45 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	217.958	217.149 E6	0.4	94	0.00	3.89- 3.95
2		AR1221-A		----------NA----------				
3		AR1221-B		----------NA----------				
4		AR1221-C		----------NA----------				
5		AR1221-D		----------NA----------				
6		AR1221-E		----------NA----------				
7		AR1232-A		----------NA----------				
8		AR1232-B		----------NA----------				
9		AR1232-C		----------NA----------				
10		AR1232-D		----------NA----------				
11		AR1232-E		----------NA----------				
12		AR1242-A		----------NA----------				
13		AR1242-B		----------NA----------				
14		AR1242-C		----------NA----------				
15		AR1242-D		----------NA----------				
16		AR1242-E		----------NA----------				
17		AR1248-A		----------NA----------				
18		AR1248-B		----------NA----------				
19		AR1248-C		----------NA----------				
20		AR1248-D		----------NA----------				
21		AR1248-E		----------NA----------				
22		AR1248-F		----------NA----------				
23		AR1248-G		----------NA----------				
24		AR1254-A		----------NA----------				
25		AR1254-B		----------NA----------				
26		AR1254-C		----------NA----------				
27		AR1254-D		----------NA----------				
28		AR1254-E		----------NA----------				
29		AR1254-F		----------NA----------				
30		AR1254-G		----------NA----------				
31		AR1262-A	10.783	10.068 E6	6.6	93	0.00	7.36- 7.56
32		AR1262-B	14.564	13.662 E6	6.2	94	0.00	7.85- 8.05
33		AR1262-C	11.738	10.889 E6	7.2	93	0.00	8.13- 8.33
34		AR1262-D	27.514	25.377 E6	7.8	92	0.00	8.47- 8.67
35		AR1262-E	28.639	26.203 E6	8.5	91	0.00	8.78- 8.98
36		AR1268-A		----------NA----------				
37		AR1268-B		----------NA----------				
38		AR1268-C		----------NA----------				
39		AR1268-D		----------NA----------				
40		AR1268-E		----------NA----------				
41		AR1016-A		----------NA----------				

Initial Calibration Verification

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL343-ICV343
Lab FileID: RL15629.D

42		AR1016-B			----------NA----------				
43		AR1016-C			----------NA----------				
44		AR1016-D			----------NA----------				
45		AR1016-E			----------NA----------				
46		AR1260-A			----------NA----------				
47		AR1260-B			----------NA----------				
48		AR1260-C			----------NA----------				
49		AR1260-D			----------NA----------				
50		AR1260-E			----------NA----------				
51	S	Decachlorobiphenyl	146.814	153.160 E6	-4.3	103	0.02	9.80-	9.87
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	150.553	149.247 E6	0.9	94	0.00	4.30-	4.36
2		AR1221-A			----------NA----------				
3		AR1221-B			----------NA----------				
4		AR1221-C			----------NA----------				
5		AR1221-D			----------NA----------				
6		AR1221-E			----------NA----------				
7		AR1232-A			----------NA----------				
8		AR1232-B			----------NA----------				
9		AR1232-C			----------NA----------				
10		AR1232-D			----------NA----------				
11		AR1232-E			----------NA----------				
12		AR1242-A			----------NA----------				
13		AR1242-B			----------NA----------				
14		AR1242-C			----------NA----------				
15		AR1242-D			----------NA----------				
16		AR1242-E			----------NA----------				
17		AR1248-A			----------NA----------				
18		AR1248-B			----------NA----------				
19		AR1248-C			----------NA----------				
20		AR1248-D			----------NA----------				
21		AR1248-E			----------NA----------				
22		AR1248-F			----------NA----------				
23		AR1248-G			----------NA----------				
24		AR1254-A			----------NA----------				
25		AR1254-B			----------NA----------				
26		AR1254-C			----------NA----------				
27		AR1254-D			----------NA----------				
28		AR1254-E			----------NA----------				
29		AR1254-F			----------NA----------				
30		AR1254-G			----------NA----------				
31		AR1262-A	8.633	7.998 E6	7.4	93	0.00	8.41-	8.61
32		AR1262-B	12.634	11.620 E6	8.0	92	0.00	8.87-	9.07
33		AR1262-C	9.803	9.015 E6	8.0	92	0.00	9.16-	9.36
34		AR1262-D	20.859	19.212 E6	7.9	92	0.00	9.37-	9.57
35		AR1262-E	21.880	20.082 E6	8.2	92	0.00	9.69-	9.89
36		AR1268-A			----------NA----------				
37		AR1268-B			----------NA----------				
38		AR1268-C			----------NA----------				
39		AR1268-D			----------NA----------				
40		AR1268-E			----------NA----------				
41		AR1016-A			----------NA----------				
42		AR1016-B			----------NA----------				
43		AR1016-C			----------NA----------				
44		AR1016-D			----------NA----------				
45		AR1016-E			----------NA----------				
46		AR1260-A			----------NA----------				
47		AR1260-B			----------NA----------				

Initial Calibration Verification

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL343-ICV343
Lab FileID: RL15629.D

48		AR1260-C			----------NA----------			
49		AR1260-D			----------NA----------			
50		AR1260-E			----------NA----------			
51	S	Decachlorobiphenyl	112.075	109.750 E6	2.1	99	0.04	10.75-10.81

(#) = Out of Range SPCC's out = 0 CCC's out = 0
RL15612.D pcblvigcrl343a.m Mon Apr 29 20:30:05 2024

Initial Calibration Verification

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL343-ICV343
Lab FileID: RL15630.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\grl343\RL15630.D\ECD1A.ch Vial: 43
Signal #2 : C:\msdchem\1\data\grl343\RL15630.D\ECD2B.ch
Acq On : 29 Apr 2024 08:26 am Operator: christp
Sample : icv343-100 Inst : GCRL
Misc : op54010,grl343,5.1,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\met...pcblvigcrl343a.m (ChemStation Integrator)
Title :
Last Update : Mon Apr 29 13:50:45 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	217.958	218.912 E6	-0.4	94	0.00	3.89- 3.95
2		AR1221-A		----------NA----------				
3		AR1221-B		----------NA----------				
4		AR1221-C		----------NA----------				
5		AR1221-D		----------NA----------				
6		AR1221-E		----------NA----------				
7		AR1232-A		----------NA----------				
8		AR1232-B		----------NA----------				
9		AR1232-C		----------NA----------				
10		AR1232-D		----------NA----------				
11		AR1232-E		----------NA----------				
12		AR1242-A		----------NA----------				
13		AR1242-B		----------NA----------				
14		AR1242-C		----------NA----------				
15		AR1242-D		----------NA----------				
16		AR1242-E		----------NA----------				
17		AR1248-A		----------NA----------				
18		AR1248-B		----------NA----------				
19		AR1248-C		----------NA----------				
20		AR1248-D		----------NA----------				
21		AR1248-E		----------NA----------				
22		AR1248-F		----------NA----------				
23		AR1248-G		----------NA----------				
24		AR1254-A		----------NA----------				
25		AR1254-B		----------NA----------				
26		AR1254-C		----------NA----------				
27		AR1254-D		----------NA----------				
28		AR1254-E		----------NA----------				
29		AR1254-F		----------NA----------				
30		AR1254-G		----------NA----------				
31		AR1262-A		----------NA----------				
32		AR1262-B		----------NA----------				
33		AR1262-C		----------NA----------				
34		AR1262-D		----------NA----------				
35		AR1262-E		----------NA----------				
36		AR1268-A	31.053	26.552 E6	14.5	86	0.00	8.79- 8.99
37		AR1268-B	28.786	24.863 E6	13.6	86	0.00	8.82- 9.02
38		AR1268-C	23.018	20.032 E6	13.0	87	0.00	9.01- 9.21
39		AR1268-D	9.768	8.395 E6	14.1	86	0.00	9.33- 9.53
40		AR1268-E	69.176	60.070 E6	13.2	87	0.00	9.58- 9.78
41		AR1016-A		----------NA----------				

Initial Calibration Verification

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL343-ICV343
Lab FileID: RL15630.D

42		AR1016-B			----------NA----------				
43		AR1016-C			----------NA----------				
44		AR1016-D			----------NA----------				
45		AR1016-E			----------NA----------				
46		AR1260-A			----------NA----------				
47		AR1260-B			----------NA----------				
48		AR1260-C			----------NA----------				
49		AR1260-D			----------NA----------				
50		AR1260-E			----------NA----------				
51	S	Decachlorobiphenyl	146.814	429.090 E6	-192.3#	289#	0.02	9.81- 9.88	
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	150.553	153.003 E6	-1.6	97	0.00	4.30- 4.36	
2		AR1221-A			----------NA----------				
3		AR1221-B			----------NA----------				
4		AR1221-C			----------NA----------				
5		AR1221-D			----------NA----------				
6		AR1221-E			----------NA----------				
7		AR1232-A			----------NA----------				
8		AR1232-B			----------NA----------				
9		AR1232-C			----------NA----------				
10		AR1232-D			----------NA----------				
11		AR1232-E			----------NA----------				
12		AR1242-A			----------NA----------				
13		AR1242-B			----------NA----------				
14		AR1242-C			----------NA----------				
15		AR1242-D			----------NA----------				
16		AR1242-E			----------NA----------				
17		AR1248-A			----------NA----------				
18		AR1248-B			----------NA----------				
19		AR1248-C			----------NA----------				
20		AR1248-D			----------NA----------				
21		AR1248-E			----------NA----------				
22		AR1248-F			----------NA----------				
23		AR1248-G			----------NA----------				
24		AR1254-A			----------NA----------				
25		AR1254-B			----------NA----------				
26		AR1254-C			----------NA----------				
27		AR1254-D			----------NA----------				
28		AR1254-E			----------NA----------				
29		AR1254-F			----------NA----------				
30		AR1254-G			----------NA----------				
31		AR1262-A			----------NA----------				
32		AR1262-B			----------NA----------				
33		AR1262-C			----------NA----------				
34		AR1262-D			----------NA----------				
35		AR1262-E			----------NA----------				
36		AR1268-A	25.048	21.758 E6	13.1	87	0.00	9.69- 9.89	
37		AR1268-B	21.634	18.745 E6	13.4	87	0.00	9.73- 9.93	
38		AR1268-C	17.559	15.352 E6	12.6	87	0.00	9.96-10.16	
39		AR1268-D	7.384	6.249 E6	15.4	85	0.01	10.17-10.37	
40		AR1268-E	52.548	45.318 E6	13.8	86	0.02	10.45-10.65	
41		AR1016-A			----------NA----------				
42		AR1016-B			----------NA----------				
43		AR1016-C			----------NA----------				
44		AR1016-D			----------NA----------				
45		AR1016-E			----------NA----------				
46		AR1260-A			----------NA----------				
47		AR1260-B			----------NA----------				

Initial Calibration Verification

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL343-ICV343
Lab FileID: RL15630.D

48		AR1260-C			----------NA----------			
49		AR1260-D			----------NA----------			
50		AR1260-E			----------NA----------			
51	S	Decachlorobiphenyl	112.075	306.588 E6	-173.6#	277#	0.04	10.75-10.81

(#) = Out of Range SPCC's out = 0 CCC's out = 0
RL15612.D pcblvigcrl343a.m Mon Apr 29 13:56:01 2024

Initial Calibration Verification

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL343-ICV343
Lab FileID: RL15631.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\grl343\RL15631.D\ECD1A.ch Vial: 44
Signal #2 : C:\msdchem\1\data\grl343\RL15631.D\ECD2B.ch
Acq On : 29 Apr 2024 08:43 am Operator: christp
Sample : icv343-100 Inst : GCRL
Misc : op54010,grl343,5.1,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\met...pcblvigcrl343a.m (ChemStation Integrator)
Title :
Last Update : Mon Apr 29 13:50:45 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	217.958	223.837 E6	-2.7	96	0.00	3.89- 3.95
2		AR1221-A		----------NA----------				
3		AR1221-B		----------NA----------				
4		AR1221-C		----------NA----------				
5		AR1221-D		----------NA----------				
6		AR1221-E		----------NA----------				
7		AR1232-A		----------NA----------				
8		AR1232-B		----------NA----------				
9		AR1232-C		----------NA----------				
10		AR1232-D		----------NA----------				
11		AR1232-E		----------NA----------				
12		AR1242-A	6.180	6.438 E6	-4.2	104	0.00	4.42- 4.62
13		AR1242-B	13.119	13.536 E6	-3.2	103	0.00	4.82- 5.02
14		AR1242-C	5.235	5.307 E6	-1.4	101	0.00	4.94- 5.14
15		AR1242-D	3.954	4.029 E6	-1.9	102	0.00	5.35- 5.55
16		AR1242-E	4.474	4.356 E6	2.6	97	0.00	5.86- 6.06
17		AR1248-A		----------NA----------				
18		AR1248-B		----------NA----------				
19		AR1248-C		----------NA----------				
20		AR1248-D		----------NA----------				
21		AR1248-E		----------NA----------				
22		AR1248-F		----------NA----------				
23		AR1248-G		----------NA----------				
24		AR1254-A		----------NA----------				
25		AR1254-B		----------NA----------				
26		AR1254-C		----------NA----------				
27		AR1254-D		----------NA----------				
28		AR1254-E		----------NA----------				
29		AR1254-F		----------NA----------				
30		AR1254-G		----------NA----------				
31		AR1262-A		----------NA----------				
32		AR1262-B		----------NA----------				
33		AR1262-C		----------NA----------				
34		AR1262-D		----------NA----------				
35		AR1262-E		----------NA----------				
36		AR1268-A		----------NA----------				
37		AR1268-B		----------NA----------				
38		AR1268-C		----------NA----------				
39		AR1268-D		----------NA----------				
40		AR1268-E		----------NA----------				
41		AR1016-A		----------NA----------				

Initial Calibration Verification

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL343-ICV343
Lab FileID: RL15631.D

42		AR1016-B			----------NA----------				
43		AR1016-C			----------NA----------				
44		AR1016-D			----------NA----------				
45		AR1016-E			----------NA----------				
46		AR1260-A			----------NA----------				
47		AR1260-B			----------NA----------				
48		AR1260-C			----------NA----------				
49		AR1260-D			----------NA----------				
50		AR1260-E			----------NA----------				
51	S	Decachlorobiphenyl	146.814	152.328 E6	-3.8	102	0.02	9.81-	9.88
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	150.553	150.998 E6	-0.3	95	0.00	4.30-	4.36
2		AR1221-A			----------NA----------				
3		AR1221-B			----------NA----------				
4		AR1221-C			----------NA----------				
5		AR1221-D			----------NA----------				
6		AR1221-E			----------NA----------				
7		AR1232-A			----------NA----------				
8		AR1232-B			----------NA----------				
9		AR1232-C			----------NA----------				
10		AR1232-D			----------NA----------				
11		AR1232-E			----------NA----------				
12		AR1242-A	4.260	4.426 E6	-3.9	104	0.00	5.08-	5.28
13		AR1242-B	9.860	10.149 E6	-2.9	103	0.00	5.59-	5.79
14		AR1242-C	3.593	3.693 E6	-2.8	103	0.00	5.76-	5.96
15		AR1242-D	2.942	2.981 E6	-1.3	101	0.00	6.42-	6.62
16		AR1242-E	3.571	3.478 E6	2.6	97	0.00	7.10-	7.30
17		AR1248-A			----------NA----------				
18		AR1248-B			----------NA----------				
19		AR1248-C			----------NA----------				
20		AR1248-D			----------NA----------				
21		AR1248-E			----------NA----------				
22		AR1248-F			----------NA----------				
23		AR1248-G			----------NA----------				
24		AR1254-A			----------NA----------				
25		AR1254-B			----------NA----------				
26		AR1254-C			----------NA----------				
27		AR1254-D			----------NA----------				
28		AR1254-E			----------NA----------				
29		AR1254-F			----------NA----------				
30		AR1254-G			----------NA----------				
31		AR1262-A			----------NA----------				
32		AR1262-B			----------NA----------				
33		AR1262-C			----------NA----------				
34		AR1262-D			----------NA----------				
35		AR1262-E			----------NA----------				
36		AR1268-A			----------NA----------				
37		AR1268-B			----------NA----------				
38		AR1268-C			----------NA----------				
39		AR1268-D			----------NA----------				
40		AR1268-E			----------NA----------				
41		AR1016-A			----------NA----------				
42		AR1016-B			----------NA----------				
43		AR1016-C			----------NA----------				
44		AR1016-D			----------NA----------				
45		AR1016-E			----------NA----------				
46		AR1260-A			----------NA----------				
47		AR1260-B			----------NA----------				

Initial Calibration Verification

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL343-ICV343
Lab FileID: RL15631.D

48		AR1260-C				----------NA----------			
49		AR1260-D				----------NA----------			
50		AR1260-E				----------NA----------			
51	S	Decachlorobiphenyl	112.075	111.816	E6	0.2	101	0.04	10.75-10.81

(#) = Out of Range SPCC's out = 0 CCC's out = 0
RL15612.D pcblvigcrl343a.m Mon Apr 29 13:56:14 2024

Initial Calibration Verification

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL343-ICV343
Lab FileID: RL15632.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\grl343\RL15632.D\ECD1A.ch Vial: 45
Signal #2 : C:\msdchem\1\data\grl343\RL15632.D\ECD2B.ch
Acq On : 29 Apr 2024 09:00 am Operator: christp
Sample : icv343-100 Inst : GCRL
Misc : op54010,grl343,5.1,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\met...pcblvigcrl343a.m (ChemStation Integrator)
Title :
Last Update : Mon Apr 29 13:50:45 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	217.958	216.108 E6	0.8	93	0.02	3.91- 3.97
2		AR1221-A		----------NA----------				
3		AR1221-B		----------NA----------				
4		AR1221-C		----------NA----------				
5		AR1221-D		----------NA----------				
6		AR1221-E		----------NA----------				
7		AR1232-A		----------NA----------				
8		AR1232-B		----------NA----------				
9		AR1232-C		----------NA----------				
10		AR1232-D		----------NA----------				
11		AR1232-E		----------NA----------				
12		AR1242-A		----------NA----------				
13		AR1242-B		----------NA----------				
14		AR1242-C		----------NA----------				
15		AR1242-D		----------NA----------				
16		AR1242-E		----------NA----------				
17		AR1248-A	2.776	2.705 E6	2.6	97	0.02	4.43- 4.63
18		AR1248-B	7.946	7.670 E6	3.5	97	0.02	4.84- 5.04
19		AR1248-C	4.769	4.594 E6	3.7	96	0.02	5.13- 5.33
20		AR1248-D	4.198	4.080 E6	2.8	97	0.02	5.45- 5.65
21		AR1248-E	3.757	3.633 E6	3.3	97	0.02	5.74- 5.94
22		AR1248-F	7.422	7.239 E6	2.5	98	0.01	5.88- 6.08
23		AR1248-G	6.237	6.055 E6	2.9	97	0.02	6.13- 6.33
24		AR1254-A		----------NA----------				
25		AR1254-B		----------NA----------				
26		AR1254-C		----------NA----------				
27		AR1254-D		----------NA----------				
28		AR1254-E		----------NA----------				
29		AR1254-F		----------NA----------				
30		AR1254-G		----------NA----------				
31		AR1262-A		----------NA----------				
32		AR1262-B		----------NA----------				
33		AR1262-C		----------NA----------				
34		AR1262-D		----------NA----------				
35		AR1262-E		----------NA----------				
36		AR1268-A		----------NA----------				
37		AR1268-B		----------NA----------				
38		AR1268-C		----------NA----------				
39		AR1268-D		----------NA----------				
40		AR1268-E		----------NA----------				
41		AR1016-A		----------NA----------				

Initial Calibration Verification

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL343-ICV343
Lab FileID: RL15632.D

42		AR1016-B			----------NA----------					
43		AR1016-C			----------NA----------					
44		AR1016-D			----------NA----------					
45		AR1016-E			----------NA----------					
46		AR1260-A			----------NA----------					
47		AR1260-B			----------NA----------					
48		AR1260-C			----------NA----------					
49		AR1260-D			----------NA----------					
50		AR1260-E			----------NA----------					
51	S	Decachlorobiphenyl	146.814	150.939 E6	-2.8	101	0.03	9.82- 9.89		
*****		Signal #2 *****								
1	S	Tetrachloro-m-xylene	150.553	149.418 E6	0.8	94	0.00	4.30- 4.36		
2		AR1221-A			----------NA----------					
3		AR1221-B			----------NA----------					
4		AR1221-C			----------NA----------					
5		AR1221-D			----------NA----------					
6		AR1221-E			----------NA----------					
7		AR1232-A			----------NA----------					
8		AR1232-B			----------NA----------					
9		AR1232-C			----------NA----------					
10		AR1232-D			----------NA----------					
11		AR1232-E			----------NA----------					
12		AR1242-A			----------NA----------					
13		AR1242-B			----------NA----------					
14		AR1242-C			----------NA----------					
15		AR1242-D			----------NA----------					
16		AR1242-E			----------NA----------					
17		AR1248-A	1.891	1.860 E6	1.6	98	0.00	5.08- 5.28		
18		AR1248-B	5.798	5.724 E6	1.3	99	0.00	5.56- 5.76		
19		AR1248-C	3.608	3.520 E6	2.4	98	0.00	6.01- 6.21		
20		AR1248-D	4.785	4.673 E6	2.3	98	0.00	6.42- 6.62		
21		AR1248-E	4.347	4.232 E6	2.6	97	0.00	6.62- 6.82		
22		AR1248-F	6.468	6.326 E6	2.2	98	0.00	7.10- 7.30		
23		AR1248-G	5.895	5.750 E6	2.5	98	0.00	7.43- 7.63		
24		AR1254-A			----------NA----------					
25		AR1254-B			----------NA----------					
26		AR1254-C			----------NA----------					
27		AR1254-D			----------NA----------					
28		AR1254-E			----------NA----------					
29		AR1254-F			----------NA----------					
30		AR1254-G			----------NA----------					
31		AR1262-A			----------NA----------					
32		AR1262-B			----------NA----------					
33		AR1262-C			----------NA----------					
34		AR1262-D			----------NA----------					
35		AR1262-E			----------NA----------					
36		AR1268-A			----------NA----------					
37		AR1268-B			----------NA----------					
38		AR1268-C			----------NA----------					
39		AR1268-D			----------NA----------					
40		AR1268-E			----------NA----------					
41		AR1016-A			----------NA----------					
42		AR1016-B			----------NA----------					
43		AR1016-C			----------NA----------					
44		AR1016-D			----------NA----------					
45		AR1016-E			----------NA----------					
46		AR1260-A			----------NA----------					
47		AR1260-B			----------NA----------					

Initial Calibration Verification

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL343-ICV343
Lab FileID: RL15632.D

48		AR1260-C			----------NA----------			
49		AR1260-D			----------NA----------			
50		AR1260-E			----------NA----------			
51	S	Decachlorobiphenyl	112.075	110.120 E6	1.7	99	0.04	10.74-10.80

(#) = Out of Range SPCC's out = 0 CCC's out = 0
RL15612.D pcblvigcrl343a.m Mon Apr 29 13:56:27 2024

Continuing Calibration Summary

Job Number: JE1534 **Sample:** GRL552-CC343
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** RL23104.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Signal #1 : X:\Dayton SVOA GC\8....52\RL23104.D\ECD1A.ch Vial: 126
Signal #2 : X:\Dayton SVOA GC\8. GC ...grl552\RL23104.D\ECD2B.ch
Acq On : 02 Dec 2024 11:44 pm Operator: christp
Sample : cc343-50 Inst : GCRL
Misc : op59750,grl552,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : X:\Dayton SVOA G...\pcblvigcrl343.m (ChemStation Integrator)
Title :
Last Update : Tue Dec 03 09:15:35 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	217.958	210.752 E6	3.3	100	0.00	3.66- 3.72
2		AR1221-A		----------NA----------				
3		AR1221-B		----------NA----------				
4		AR1221-C		----------NA----------				
5		AR1221-D		----------NA----------				
6		AR1221-E		----------NA----------				
7		AR1232-A		----------NA----------				
8		AR1232-B		----------NA----------				
9		AR1232-C		----------NA----------				
10		AR1232-D		----------NA----------				
11		AR1232-E		----------NA----------				
12		AR1242-A		----------NA----------				
13		AR1242-B		----------NA----------				
14		AR1242-C		----------NA----------				
15		AR1242-D		----------NA----------				
16		AR1242-E		----------NA----------				
17		AR1248-A		----------NA----------				
18		AR1248-B		----------NA----------				
19		AR1248-C		----------NA----------				
20		AR1248-D		----------NA----------				
21		AR1248-E		----------NA----------				
22		AR1248-F		----------NA----------				
23		AR1248-G		----------NA----------				
24		AR1254-A		----------NA----------				
25		AR1254-B		----------NA----------				
26		AR1254-C		----------NA----------				
27		AR1254-D		----------NA----------				
28		AR1254-E		----------NA----------				
29		AR1254-F		----------NA----------				
30		AR1254-G		----------NA----------				
31		AR1262-A		----------NA----------				
32		AR1262-B		----------NA----------				
33		AR1262-C		----------NA----------				
34		AR1262-D		----------NA----------				
35		AR1262-E		----------NA----------				
36		AR1268-A		----------NA----------				
37		AR1268-B		----------NA----------				
38		AR1268-C		----------NA----------				
39		AR1268-D		----------NA----------				
40		AR1268-E		----------NA----------				
41		AR1016-A	3.828	4.022 E6	-5.1	107	0.00	3.94- 4.00

10.8.16 10

Continuing Calibration Summary

Job Number: JE1534 **Sample:** GRL552-CC343
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** RL23104.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

42		AR1016-B	7.612	7.493	E6	1.6	99	0.00	4.22- 4.28
43		AR1016-C	16.456	15.959	E6	3.0	99	0.00	4.60- 4.66
44		AR1016-D	6.802	6.534	E6	3.9	100	0.00	4.72- 4.78
45		AR1016-E	6.822	6.758	E6	0.9	101	0.00	5.07- 5.14
46		AR1260-A	15.058	17.161	E6	-14.0	115	0.00	6.99- 7.05
47		AR1260-B	10.137	11.675	E6	-15.2	116	0.00	7.54- 7.60
48		AR1260-C	9.189	9.884	E6	-7.6	109	0.00	7.83- 7.90
49		AR1260-D	21.816	22.900	E6	-5.0	107	0.00	8.19- 8.25
50		AR1260-E	22.328	27.595	E6	-23.6#	128	0.00	8.49- 8.55
51	S	Decachlorobiphenyl	146.814	174.456	E6	-18.8	123	0.00	9.49- 9.56
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	150.553	158.029	E6	-5.0	110	0.00	4.00- 4.06
2		AR1221-A		----------NA----------					
3		AR1221-B		----------NA----------					
4		AR1221-C		----------NA----------					
5		AR1221-D		----------NA----------					
6		AR1221-E		----------NA----------					
7		AR1232-A		----------NA----------					
8		AR1232-B		----------NA----------					
9		AR1232-C		----------NA----------					
10		AR1232-D		----------NA----------					
11		AR1232-E		----------NA----------					
12		AR1242-A		----------NA----------					
13		AR1242-B		----------NA----------					
14		AR1242-C		----------NA----------					
15		AR1242-D		----------NA----------					
16		AR1242-E		----------NA----------					
17		AR1248-A		----------NA----------					
18		AR1248-B		----------NA----------					
19		AR1248-C		----------NA----------					
20		AR1248-D		----------NA----------					
21		AR1248-E		----------NA----------					
22		AR1248-F		----------NA----------					
23		AR1248-G		----------NA----------					
24		AR1254-A		----------NA----------					
25		AR1254-B		----------NA----------					
26		AR1254-C		----------NA----------					
27		AR1254-D		----------NA----------					
28		AR1254-E		----------NA----------					
29		AR1254-F		----------NA----------					
30		AR1254-G		----------NA----------					
31		AR1262-A		----------NA----------					
32		AR1262-B		----------NA----------					
33		AR1262-C		----------NA----------					
34		AR1262-D		----------NA----------					
35		AR1262-E		----------NA----------					
36		AR1268-A		----------NA----------					
37		AR1268-B		----------NA----------					
38		AR1268-C		----------NA----------					
39		AR1268-D		----------NA----------					
40		AR1268-E		----------NA----------					
41		AR1016-A	2.567	2.794	E6	-8.8	113	0.00	4.42- 4.48
42		AR1016-B	5.310	5.702	E6	-7.4	110	0.00	4.78- 4.84
43		AR1016-C	12.604	13.246	E6	-5.1	107	0.00	5.22- 5.28
44		AR1016-D	4.611	4.883	E6	-5.9	108	0.00	5.36- 5.42
45		AR1016-E	3.730	3.962	E6	-6.2	110	0.00	5.92- 5.98
46		AR1260-A	11.098	11.473	E6	-3.4	108	0.00	8.04- 8.10
47		AR1260-B	8.556	9.331	E6	-9.1	112	0.00	8.54- 8.60

Continuing Calibration Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRL552-CC343
Lab FileID: RL23104.D

48		AR1260-C	8.270	8.785	E6	-6.2	113	0.00	8.84- 8.90
49		AR1260-D	18.723	20.207	E6	-7.9	111	0.00	9.06- 9.12
50		AR1260-E	17.416	19.078	E6	-9.5	110	0.00	9.39- 9.45
51	S	Decachlorobiphenyl	112.075	134.244	E6	-19.8	122	0.00	10.31-10.37

(#) = Out of Range SPCC's out = 0 CCC's out = 0
RL21807.D pcblvigcrl343.m Tue Dec 03 09:31:43 2024

10.8.16 10

Continuing Calibration Summary

Job Number: JE1534 **Sample:** GRL552-CC343
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** RL23119.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Signal #1 : X:\Dayton SVOA GC\8....52\RL23119.D\ECD1A.ch Vial: 138
Signal #2 : X:\Dayton SVOA GC\8. GC ...grl552\RL23119.D\ECD2B.ch
Acq On : 03 Dec 2024 04:30 am Operator: christp
Sample : cc343-100 Inst : GCRL
Misc : op59821,grl552,54.3,,,2,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : X:\Dayton SVOA G...\pcblvigcrl343.m (ChemStation Integrator)
Title :
Last Update : Tue Dec 03 09:15:35 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	217.958	218.070 E6	-0.1	94	0.00	3.65- 3.71
2		AR1221-A		----------NA----------				
3		AR1221-B		----------NA----------				
4		AR1221-C		----------NA----------				
5		AR1221-D		----------NA----------				
6		AR1221-E		----------NA----------				
7		AR1232-A		----------NA----------				
8		AR1232-B		----------NA----------				
9		AR1232-C		----------NA----------				
10		AR1232-D		----------NA----------				
11		AR1232-E		----------NA----------				
12		AR1242-A		----------NA----------				
13		AR1242-B		----------NA----------				
14		AR1242-C		----------NA----------				
15		AR1242-D		----------NA----------				
16		AR1242-E		----------NA----------				
17		AR1248-A		----------NA----------				
18		AR1248-B		----------NA----------				
19		AR1248-C		----------NA----------				
20		AR1248-D		----------NA----------				
21		AR1248-E		----------NA----------				
22		AR1248-F		----------NA----------				
23		AR1248-G		----------NA----------				
24		AR1254-A		----------NA----------				
25		AR1254-B		----------NA----------				
26		AR1254-C		----------NA----------				
27		AR1254-D		----------NA----------				
28		AR1254-E		----------NA----------				
29		AR1254-F		----------NA----------				
30		AR1254-G		----------NA----------				
31		AR1262-A		----------NA----------				
32		AR1262-B		----------NA----------				
33		AR1262-C		----------NA----------				
34		AR1262-D		----------NA----------				
35		AR1262-E		----------NA----------				
36		AR1268-A		----------NA----------				
37		AR1268-B		----------NA----------				
38		AR1268-C		----------NA----------				
39		AR1268-D		----------NA----------				
40		AR1268-E		----------NA----------				
41		AR1016-A	3.828	3.627 E6	5.3	93	0.00	3.94- 4.00

Continuing Calibration Summary

Job Number: JE1534 **Sample:** GRL552-CC343
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** RL23119.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

42		AR1016-B	7.612	7.297	E6	4.1	93	0.00	4.22- 4.28
43		AR1016-C	16.456	15.802	E6	4.0	92	0.00	4.60- 4.66
44		AR1016-D	6.802	6.243	E6	8.2	91	0.00	4.71- 4.77
45		AR1016-E	6.822	6.553	E6	3.9	93	0.00	5.07- 5.14
46		AR1260-A	15.058	14.940	E6	0.8	95	0.00	6.99- 7.05
47		AR1260-B	10.137	10.216	E6	-0.8	96	0.00	7.54- 7.60
48		AR1260-C	9.189	9.125	E6	0.7	94	0.00	7.84- 7.91
49		AR1260-D	21.816	21.711	E6	0.5	94	0.00	8.19- 8.25
50		AR1260-E	22.328	22.409	E6	-0.4	97	0.00	8.49- 8.55
51	S	Decachlorobiphenyl	146.814	159.452	E6	-8.6	107	0.00	9.49- 9.56
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	150.553	163.311	E6	-8.5	103	0.00	4.00- 4.06
2		AR1221-A	----------NA----------						
3		AR1221-B	----------NA----------						
4		AR1221-C	----------NA----------						
5		AR1221-D	----------NA----------						
6		AR1221-E	----------NA----------						
7		AR1232-A	----------NA----------						
8		AR1232-B	----------NA----------						
9		AR1232-C	----------NA----------						
10		AR1232-D	----------NA----------						
11		AR1232-E	----------NA----------						
12		AR1242-A	----------NA----------						
13		AR1242-B	----------NA----------						
14		AR1242-C	----------NA----------						
15		AR1242-D	----------NA----------						
16		AR1242-E	----------NA----------						
17		AR1248-A	----------NA----------						
18		AR1248-B	----------NA----------						
19		AR1248-C	----------NA----------						
20		AR1248-D	----------NA----------						
21		AR1248-E	----------NA----------						
22		AR1248-F	----------NA----------						
23		AR1248-G	----------NA----------						
24		AR1254-A	----------NA----------						
25		AR1254-B	----------NA----------						
26		AR1254-C	----------NA----------						
27		AR1254-D	----------NA----------						
28		AR1254-E	----------NA----------						
29		AR1254-F	----------NA----------						
30		AR1254-G	----------NA----------						
31		AR1262-A	----------NA----------						
32		AR1262-B	----------NA----------						
33		AR1262-C	----------NA----------						
34		AR1262-D	----------NA----------						
35		AR1262-E	----------NA----------						
36		AR1268-A	----------NA----------						
37		AR1268-B	----------NA----------						
38		AR1268-C	----------NA----------						
39		AR1268-D	----------NA----------						
40		AR1268-E	----------NA----------						
41		AR1016-A	2.567	2.665	E6	-3.8	98	0.00	4.42- 4.48
42		AR1016-B	5.310	5.583	E6	-5.1	101	0.00	4.77- 4.83
43		AR1016-C	12.604	12.937	E6	-2.6	98	0.00	5.22- 5.28
44		AR1016-D	4.611	4.772	E6	-3.5	98	0.00	5.36- 5.42
45		AR1016-E	3.730	3.913	E6	-4.9	101	0.00	5.92- 5.98
46		AR1260-A	11.098	11.309	E6	-1.9	98	0.00	8.04- 8.10
47		AR1260-B	8.556	9.083	E6	-6.2	101	0.00	8.54- 8.60

Continuing Calibration Summary

Job Number: JE1534 **Sample:** GRL552-CC343
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** RL23119.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

48		AR1260-C	8.270	8.577	E6	-3.7	103	0.00	8.84- 8.90
49		AR1260-D	18.723	19.785	E6	-5.7	102	0.00	9.06- 9.12
50		AR1260-E	17.416	18.695	E6	-7.3	104	0.00	9.39- 9.45
51	S	Decachlorobiphenyl	112.075	128.909	E6	-15.0	116	0.00	10.31-10.37

(#) = Out of Range SPCC's out = 0 CCC's out = 0
RL23104.D pcblvigcrl343.m Tue Dec 03 10:19:09 2024

Run Sequence Report

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: G8G2596	**Method:** SW846 8081B	**Instrument ID:** GC8G

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G8G2596-DDT	8G60340.D	09/18/24 10:50	n/a	DDT/Endrin Breakdown Check
G8G2596-IC2596	8G60342.D	09/18/24 11:35	n/a	Initial cal 0.1
G8G2596-IC2596	8G60343.D	09/18/24 11:58	n/a	Initial cal 0.2
G8G2596-IC2596	8G60344.D	09/18/24 12:21	n/a	Initial cal 0.5
G8G2596-IC2596	8G60345.D	09/18/24 12:43	n/a	Initial cal 1
G8G2596-ICC2596	8G60346.D	09/18/24 13:06	n/a	Initial cal 2.5
G8G2596-IC2596	8G60347.D	09/18/24 13:29	n/a	Initial cal 5
G8G2596-IC2596	8G60348.D	09/18/24 13:51	n/a	Initial cal 7.5
G8G2596-IC2596	8G60349.D	09/18/24 14:14	n/a	Initial cal 10
G8G2596-ICV2596	8G60350.D	09/18/24 14:37	n/a	Initial cal verification 2.5
G8G2596-IC2596	8G60351.D	09/18/24 15:00	n/a	Initial cal 50
G8G2596-ICV2596	8G60352.D	09/18/24 15:22	n/a	Initial cal verification 50
G8G2596-IC2596	8G60353.D	09/18/24 15:45	n/a	Initial cal 50
G8G2596-ICV2596	8G60354.D	09/18/24 16:08	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: G8G2700	**Method:** SW846 8081B	**Instrument ID:** GC8G

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G8G2700-DDT	8G62762.D	12/03/24 00:19	n/a	DDT/Endrin Breakdown Check
G8G2700-CC2596	8G62764.D	12/03/24 01:07	n/a	Continuing cal 5
OP59820-MB1	8G62766.D	12/03/24 01:55	OP59820	Method Blank
OP59820-BS1	8G62767.D	12/03/24 02:19	OP59820	Blank Spike
OP59820-BSD	8G62768.D	12/03/24 02:43	OP59820	Blank Spike Duplicate
OP59833-MB1	8G62769.D	12/03/24 03:07	OP59833	Method Blank
OP59833-BS1	8G62770.D	12/03/24 03:31	OP59833	Blank Spike
JE1534-8	8G62771.D	12/03/24 03:55	OP59820	FB-3
OP59833-MS	8G62774.D	12/03/24 05:07	OP59833	Matrix Spike
OP59833-MSD	8G62775.D	12/03/24 05:31	OP59833	Matrix Spike Duplicate
JE1300-9Q	8G62776.D	12/03/24 05:55	OP59833	(used for QC only; not part of job JE1534)
ZZZZZZ	8G62777.D	12/03/24 06:19	OP59833	(unrelated sample)
ZZZZZZ	8G62778.D	12/03/24 06:43	OP59833	(unrelated sample)
ZZZZZZ	8G62779.D	12/03/24 07:06	OP59833	(unrelated sample)
ZZZZZZ	8G62780.D	12/03/24 07:30	OP59833	(unrelated sample)
ZZZZZZ	8G62781.D	12/03/24 07:53	OP59742	(unrelated sample)
ZZZZZZ	8G62782.D	12/03/24 08:17	OP59740	(unrelated sample)

Run Sequence Report

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: G8G2702	**Method:** SW846 8081B	**Instrument ID:** GC8G

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G8G2702-DDT	8G62793.D	12/03/24 13:36	n/a	DDT/Endrin Breakdown Check
G8G2702-CC2596	8G62795A.D	12/03/24 14:22	n/a	Continuing cal 5
OP59826-MB1	8G62797.D	12/03/24 17:48	OP59826	Method Blank
OP59826-BS1	8G62798.D	12/03/24 18:11	OP59826	Blank Spike
OP59826-MS	8G62799.D	12/03/24 18:35	OP59826	Matrix Spike
OP59826-MSD	8G62800.D	12/03/24 18:59	OP59826	Matrix Spike Duplicate
JE1369-4	8G62801.D	12/03/24 19:23	OP59826	(used for QC only; not part of job JE1534)
ZZZZZZ	8G62802.D	12/03/24 19:48	OP59826	(unrelated sample)
ZZZZZZ	8G62803.D	12/03/24 20:12	OP59826	(unrelated sample)
ZZZZZZ	8G62804.D	12/03/24 20:36	OP59826	(unrelated sample)
ZZZZZZ	8G62805.D	12/03/24 21:01	OP59826	(unrelated sample)

Run Sequence Report

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: GRL343	**Method:** SW846 8082A	**Instrument ID:** GCRL

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
GRL343-IC343	RL15608.D	04/29/24 02:16	n/a	Initial cal 5
GRL343-IC343	RL15609.D	04/29/24 02:33	n/a	Initial cal 10
GRL343-IC343	RL15610.D	04/29/24 02:50	n/a	Initial cal 25
GRL343-IC343	RL15611.D	04/29/24 03:07	n/a	Initial cal 50
GRL343-ICC343	RL15612.D	04/29/24 03:23	n/a	Initial cal 100
GRL343-IC343	RL15613.D	04/29/24 03:40	n/a	Initial cal 200
GRL343-IC343	RL15614.D	04/29/24 03:57	n/a	Initial cal 300
GRL343-IC343	RL15615.D	04/29/24 04:14	n/a	Initial cal 500
GRL343-IC343	RL15616.D	04/29/24 04:31	n/a	Initial cal 1000
GRL343-IC343	RL15617.D	04/29/24 04:47	n/a	Initial cal 2000
GRL343-ICV343	RL15618.D	04/29/24 05:04	n/a	Initial cal verification 100
GRL343-IC343	RL15619.D	04/29/24 05:21	n/a	Initial cal 100
GRL343-IC343	RL15620.D	04/29/24 05:38	n/a	Initial cal 100
GRL343-IC343	RL15621.D	04/29/24 05:55	n/a	Initial cal 100
GRL343-IC343	RL15622.D	04/29/24 06:12	n/a	Initial cal 100
GRL343-IC343	RL15623.D	04/29/24 06:28	n/a	Initial cal 100
GRL343-IC343	RL15624.D	04/29/24 06:45	n/a	Initial cal 100
GRL343-IC343	RL15625.D	04/29/24 07:02	n/a	Initial cal 100
GRL343-ICV343	RL15626.D	04/29/24 07:19	n/a	Initial cal verification 100
GRL343-ICV343	RL15627.D	04/29/24 07:36	n/a	Initial cal verification 100
GRL343-ICV343	RL15628.D	04/29/24 07:53	n/a	Initial cal verification 100
GRL343-ICV343	RL15629.D	04/29/24 08:09	n/a	Initial cal verification 100
GRL343-ICV343	RL15630.D	04/29/24 08:26	n/a	Initial cal verification 100
GRL343-ICV343	RL15631.D	04/29/24 08:43	n/a	Initial cal verification 100
GRL343-ICV343	RL15632.D	04/29/24 09:00	n/a	Initial cal verification 100

Run Sequence Report

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: GRL552	**Method:** SW846 8082A	**Instrument ID:** GCRL

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
GRL552-CC343	RL23104.D	12/02/24 23:44	n/a	Continuing cal 50
OP59821-MB1	RL23106.D	12/03/24 00:45	OP59821	Method Blank
OP59821-BS1	RL23107.D	12/03/24 01:02	OP59821	Blank Spike
OP59821-BSD	RL23108.D	12/03/24 01:20	OP59821	Blank Spike Duplicate
JE1534-8	RL23109.D	12/03/24 01:37	OP59821	FB-3
ZZZZZZ	RL23110.D	12/03/24 01:54	OP59821	(unrelated sample)
ZZZZZZ	RL23111.D	12/03/24 02:12	OP59821	(unrelated sample)
ZZZZZZ	RL23113.D	12/03/24 02:46	OP59821	(unrelated sample)
ZZZZZZ	RL23114.D	12/03/24 03:04	OP59821	(unrelated sample)
ZZZZZZ	RL23115.D	12/03/24 03:21	OP59821	(unrelated sample)
ZZZZZZ	RL23116.D	12/03/24 03:38	OP59821	(unrelated sample)
GRL552-CC343	RL23119.D	12/03/24 04:30	n/a	Continuing cal 100

GC/LC Semi-volatiles

Raw Data

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 12/04/24 10:18

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62771.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 3:55 am
Operator : christp
Sample : je1534-8 m
Misc : op59820,g8g2700,54.2,,,2,1
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:25:23 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1) I	1-bromo-2...	2.405	2.769	344.8E6	801.1E6	5.000	5.000
27) I	1-bromo-2...	2.405	2.769	344.8E6	801.1E6	5.000	5.000
33) I	1-bromo-2...	2.405	2.769	344.8E6	801.1E6	5.000	5.000
	System Monitoring Compounds						
2) SAB	Tetrachlo...	2.952	3.651	271.7E6	655.2E6	4.084m	3.338
Spiked Amount	40.000	Range	30 - 150	Recovery	=	10.21%#	8.34%#
26) SA	Decachlor...	10.615	12.995	263.3E6	358.7E6	4.115	3.231
Spiked Amount	40.000			Recovery	=	10.29%	8.08%
	Target Compounds						
	SemiQuant Compounds - Not Calibrated on this Instrument						

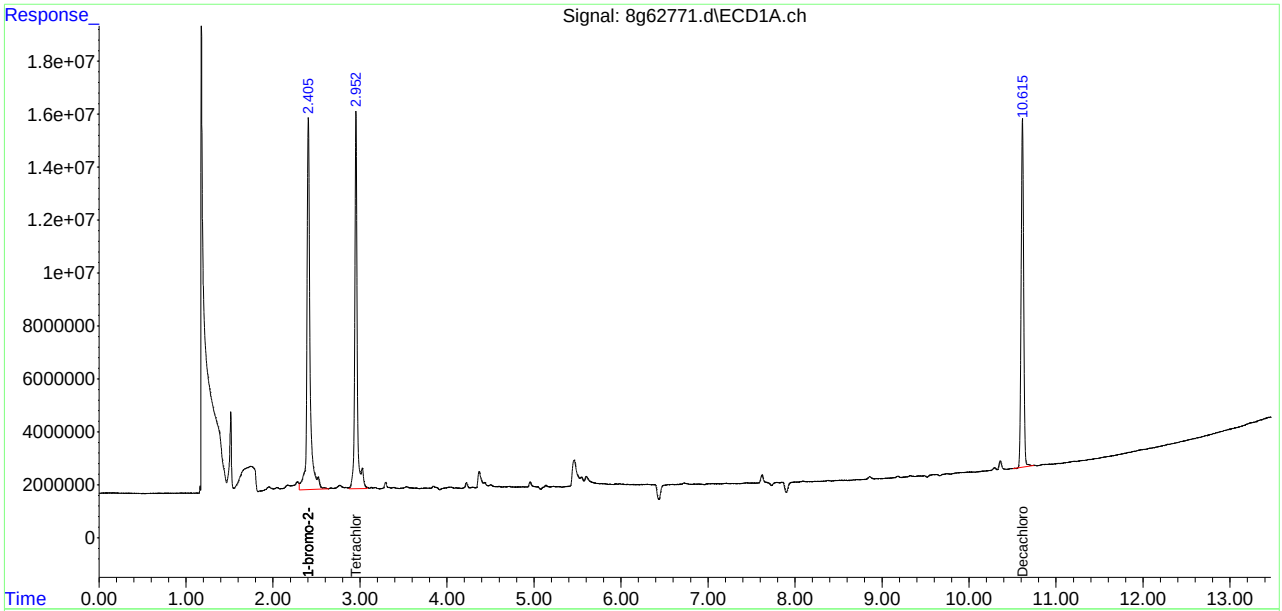
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

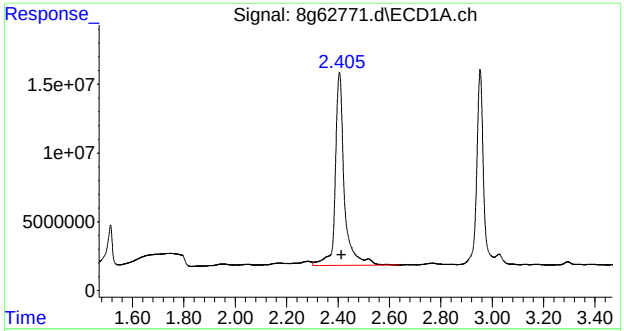
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62771.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 3:55 am
Operator : christp
Sample : je1534-8 m
Misc : op59820,g8g2700,54.2,,,2,1
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:25:23 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

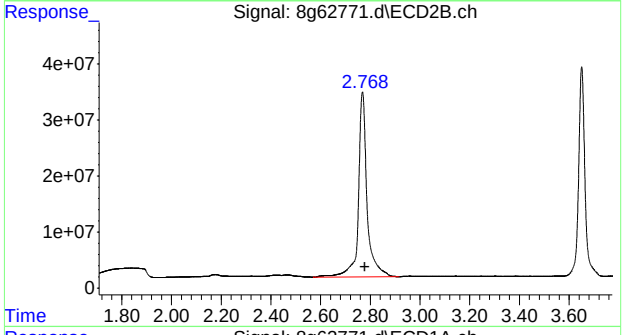
Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





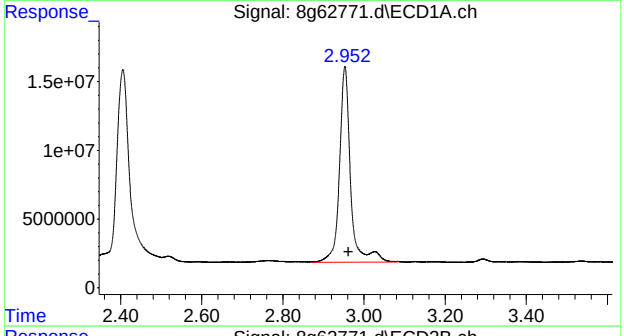
#1 1-bromo-2-nitrobenzene

R.T.: 2.405 min
Delta R.T.: -0.008 min
Response: 344771078
Conc: 5.00 PPB



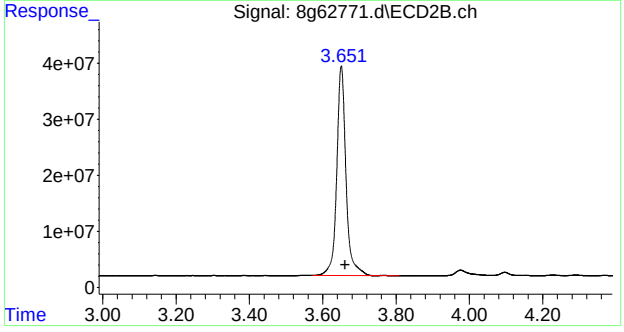
#1 1-bromo-2-nitrobenzene

R.T.: 2.769 min
Delta R.T.: -0.009 min
Response: 801073347
Conc: 5.00 PPB



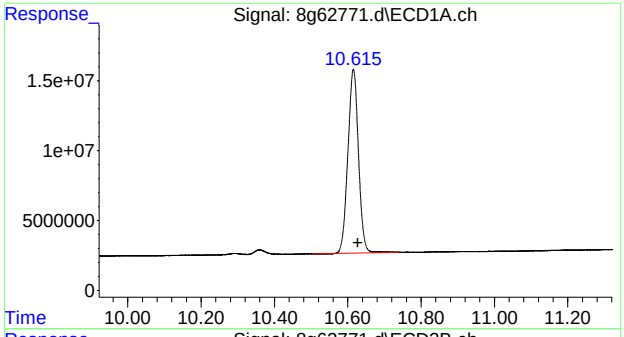
#2 Tetrachloro-m-xylene

R.T.: 2.952 min
Delta R.T.: -0.010 min
Response: 271663220
Conc: 4.08 PPB m



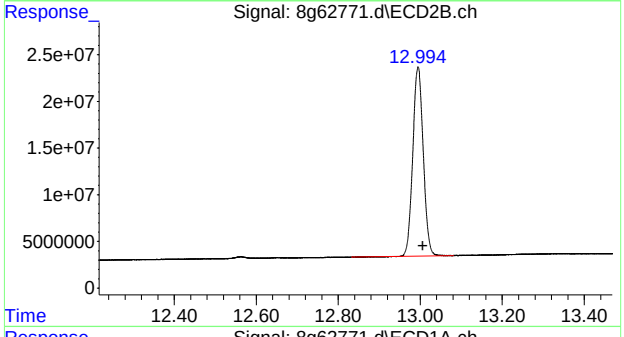
#2 Tetrachloro-m-xylene

R.T.: 3.651 min
Delta R.T.: -0.011 min
Response: 655178480
Conc: 3.34 PPB



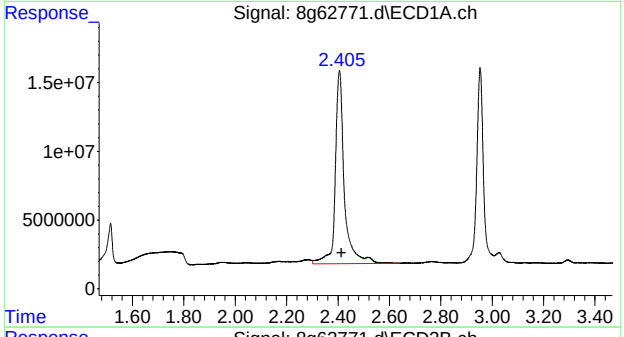
#26 Decachlorobiphenyl

R.T.: 10.615 min
Delta R.T.: -0.012 min
Response: 263318435
Conc: 4.11 PPB



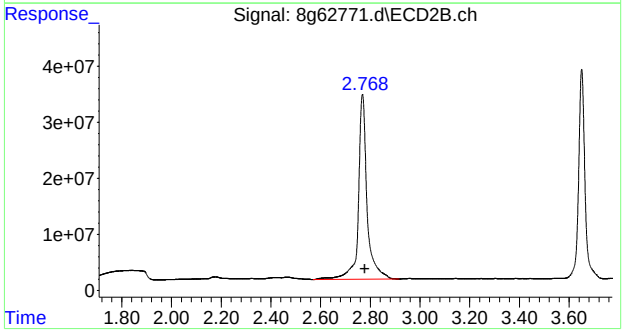
#26 Decachlorobiphenyl

R.T.: 12.995 min
Delta R.T.: -0.012 min
Response: 358725171
Conc: 3.23 PPB



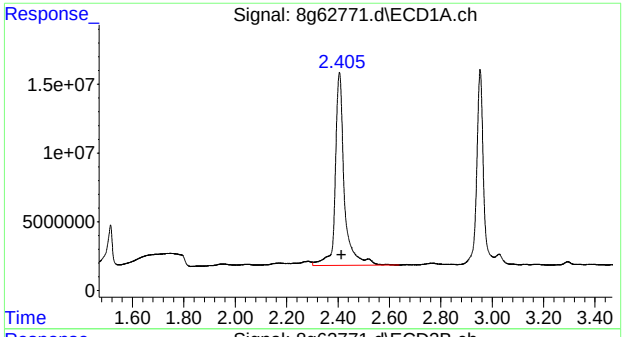
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.405 min
Delta R.T.: -0.008 min
Response: 344771078
Conc: 5.00 PPB



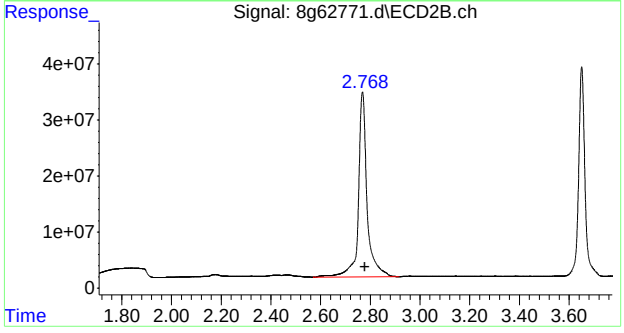
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.769 min
Delta R.T.: -0.009 min
Response: 801073347
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.405 min
Delta R.T.: -0.008 min
Response: 344771078
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.769 min
Delta R.T.: -0.009 min
Response: 801073347
Conc: 5.00 PPB

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 12/05/24 16:55

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\shahanit\Dec-2024\12-03-2024\grl55
Data File : RL23109.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Dec 2024 01:37 am
Operator : christp
Sample : je1534-8 m
Misc : op59821,grl552,54.2,,,2,1
ALS Vial : 130 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 09:43:02 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\shahanit\Dec-2024\12-03-2024\grl552\pcblvigcrl343.m
Quant Title :
QLast Update : Tue Dec 03 09:15:35 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) S	Tetrachlo...	3.678	4.027	883.2E6	678.5E6	4.052	4.507
	Spiked Amount 40.000			Recovery	=	10.13%	11.27%
51) S	Decachlor...	9.522	10.340	686.9E6	546.7E6	4.679m	4.878m
	Spiked Amount 40.000			Recovery	=	11.70%	12.20%
	Target Compounds						

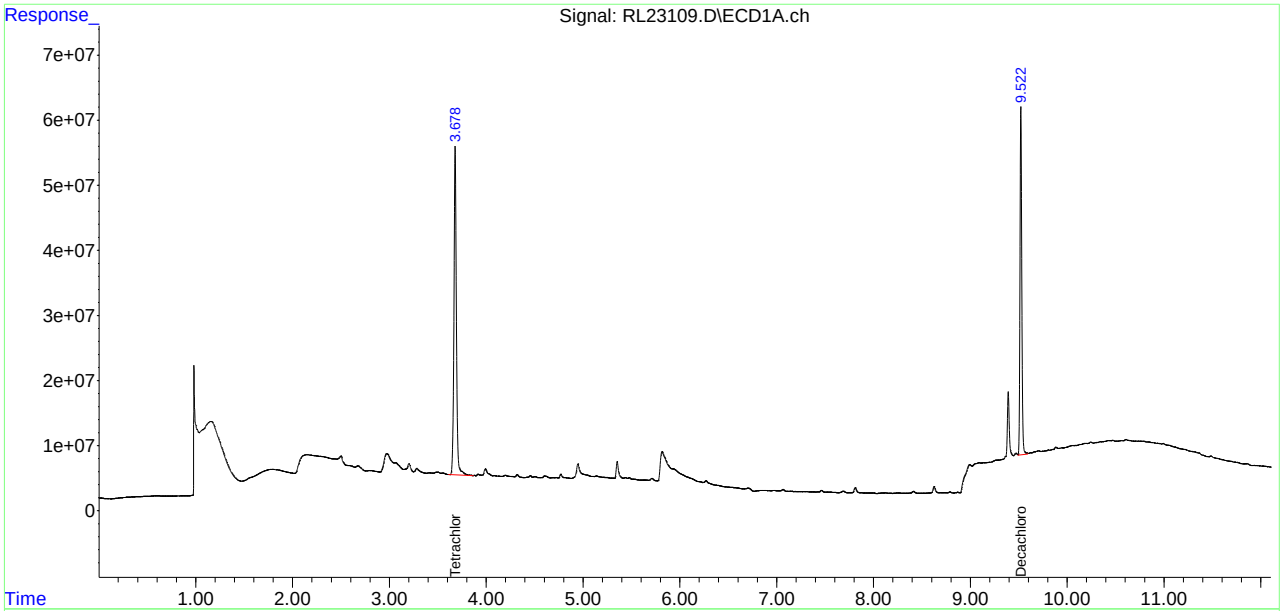
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

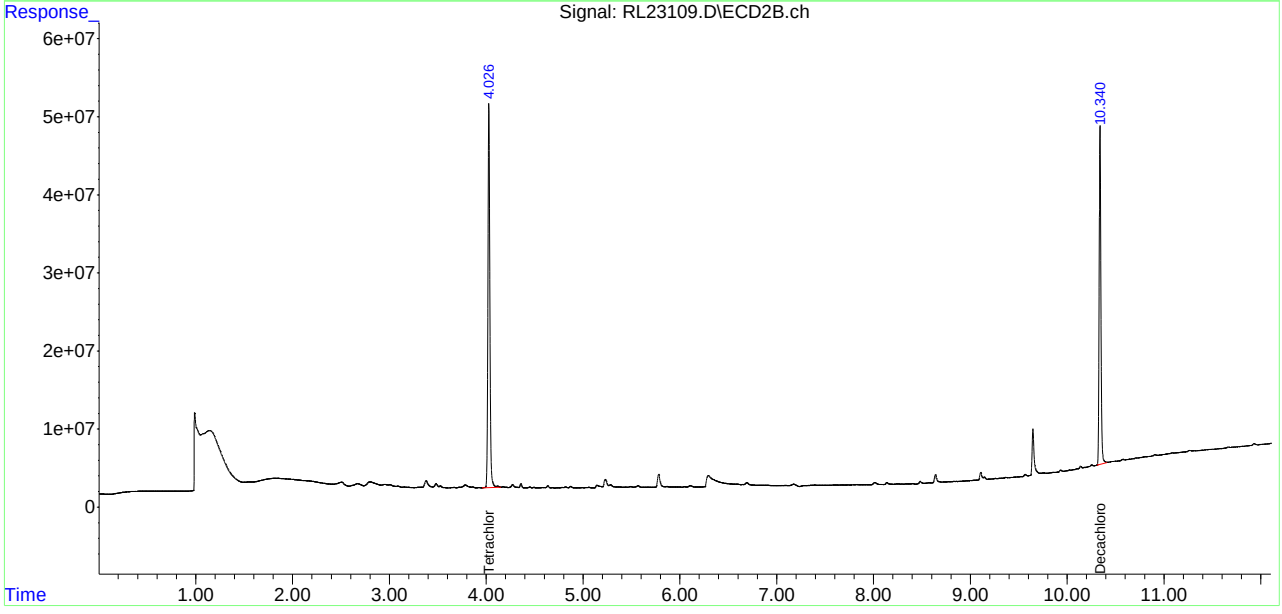
Quantitation Report (QT Reviewed)

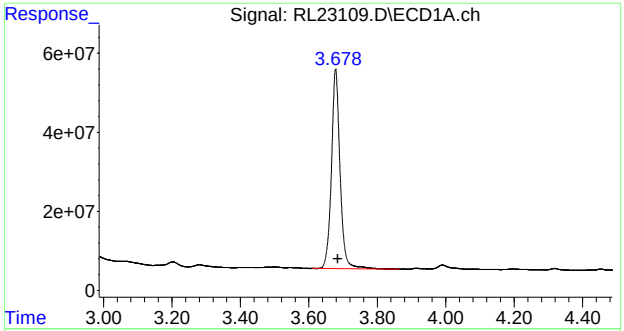
Data Path : X:\Dayton SVOA GC\8. GC Members\shahanit\Dec-2024\12-03-2024\grl552\
Data File : RL23109.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Dec 2024 01:37 am
Operator : christp
Sample : je1534-8 m
Misc : op59821,grl552,54.2,,,2,1
ALS Vial : 130 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 09:43:02 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\shahanit\Dec-2024\12-03-2024\grl552\pcblvigcrl343.m
Quant Title :
QLast Update : Tue Dec 03 09:15:35 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

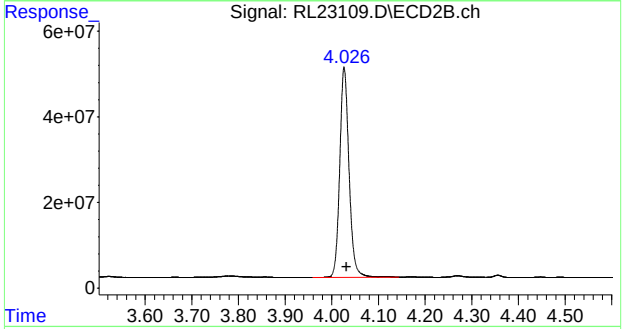






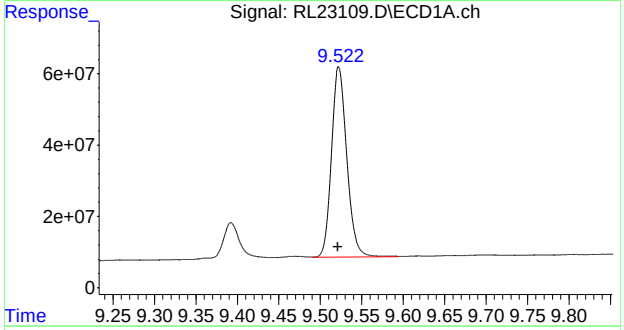
#1 Tetrachloro-m-xylene

R.T.: 3.678 min
Delta R.T.: -0.007 min
Response: 883223894
Conc: 4.05 ppb



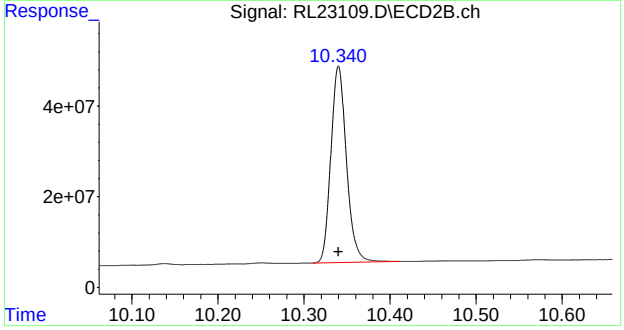
#1 Tetrachloro-m-xylene

R.T.: 4.027 min
Delta R.T.: -0.005 min
Response: 678489677
Conc: 4.51 ppb



#51 Decachlorobiphenyl

R.T.: 9.522 min
Delta R.T.: 0.000 min
Response: 686938283
Conc: 4.68 ppb m



#51 Decachlorobiphenyl

R.T.: 10.340 min
Delta R.T.: 0.000 min
Response: 546666510
Conc: 4.88 ppb m

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62766.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 1:55 am
Operator : christp
Sample : op59820-mb1 m
Misc : op59820,g8g2700,54.3,,,2,1
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:05:04 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1) I	1-bromo-2...	2.404	2.768	367.4E6	838.3E6	5.000	5.000
27) I	1-bromo-2...	2.404	2.768	367.4E6	838.3E6	5.000	5.000
33) I	1-bromo-2...	2.404	2.768	367.4E6	838.3E6	5.000	5.000
	System Monitoring Compounds						
2) SAB	Tetrachlo...	2.952	3.650	224.8E6	582.4E6	3.171	2.835
	Spiked Amount 40.000	Range 30 - 150		Recovery =		7.93%#	7.09%#
26) SA	Decachlor...	10.616	12.996	297.3E6	386.1E6	4.361	3.324
	Spiked Amount 40.000			Recovery =		10.90%	8.31%
	Target Compounds						
	SemiQuant Compounds - Not Calibrated on this Instrument						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

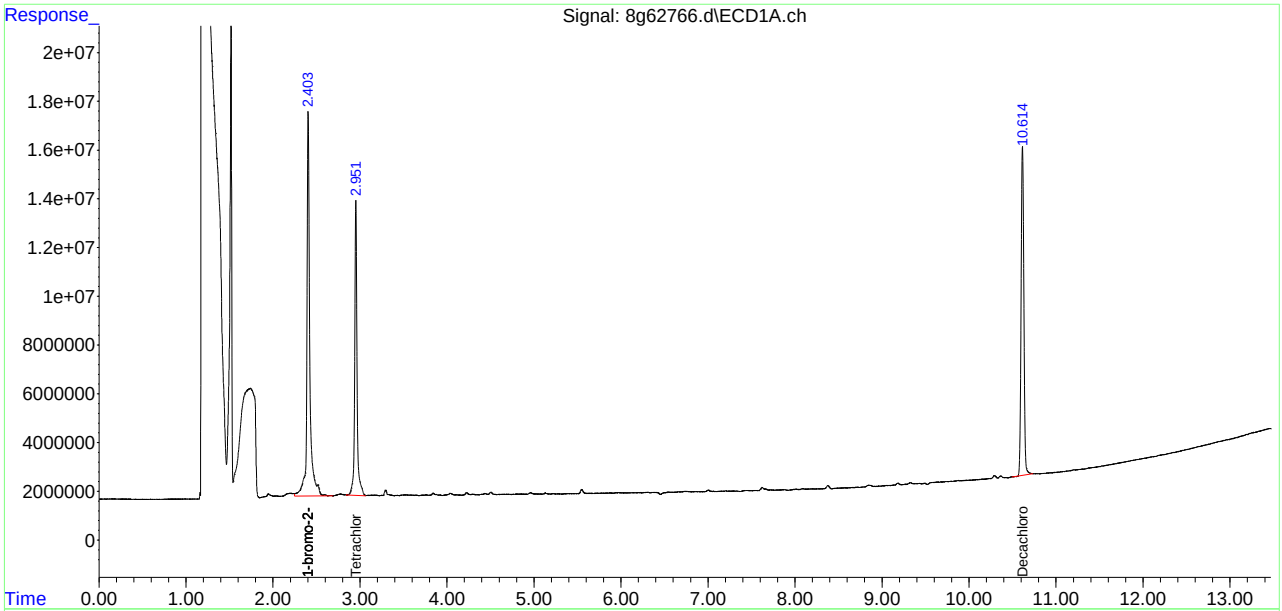
11.2.1 11

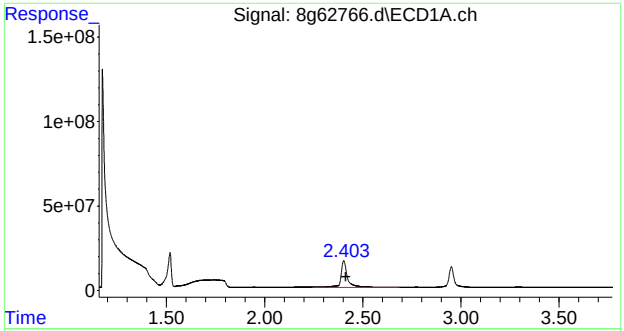
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\
Data File : 8g62766.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Dec 2024 1:55 am
Operator : christp
Sample : op59820-mb1 m
Misc : op59820,g8g2700,54.3,,,2,1
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 12:05:04 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\g8g2700\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 02 07:28:52 2024
Response via : Initial Calibration
Integrator: ChemStation

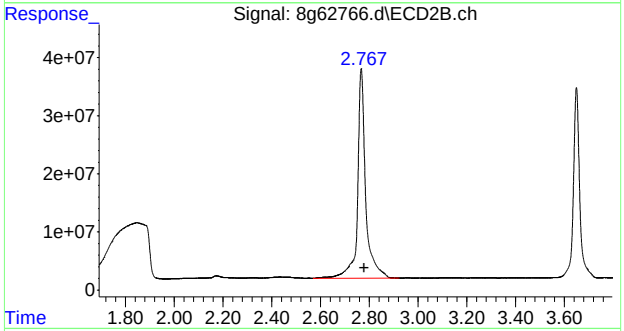
Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





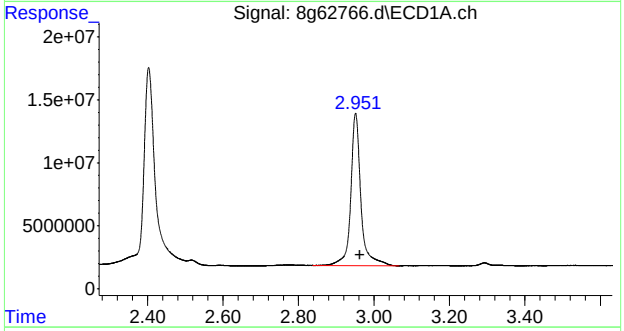
#1 1-bromo-2-nitrobenzene

R.T.: 2.404 min
Delta R.T.: -0.009 min
Response: 367356114
Conc: 5.00 PPB



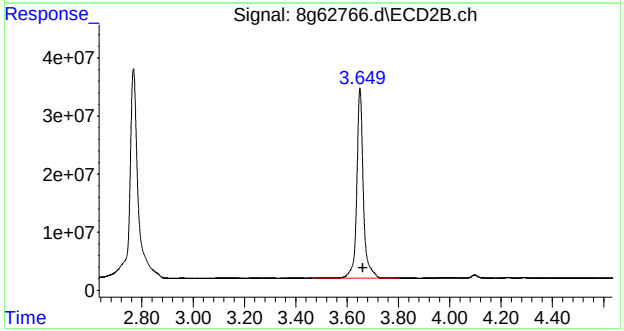
#1 1-bromo-2-nitrobenzene

R.T.: 2.768 min
Delta R.T.: -0.010 min
Response: 838279665
Conc: 5.00 PPB



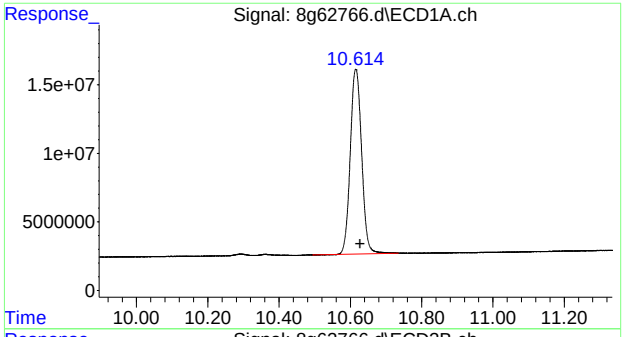
#2 Tetrachloro-m-xylene

R.T.: 2.952 min
Delta R.T.: -0.011 min
Response: 224750446
Conc: 3.17 PPB



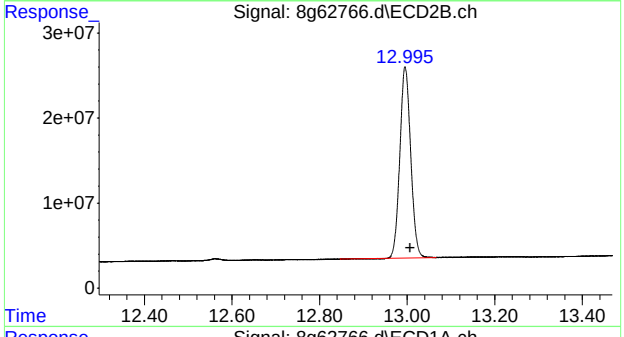
#2 Tetrachloro-m-xylene

R.T.: 3.650 min
Delta R.T.: -0.011 min
Response: 582357222
Conc: 2.84 PPB



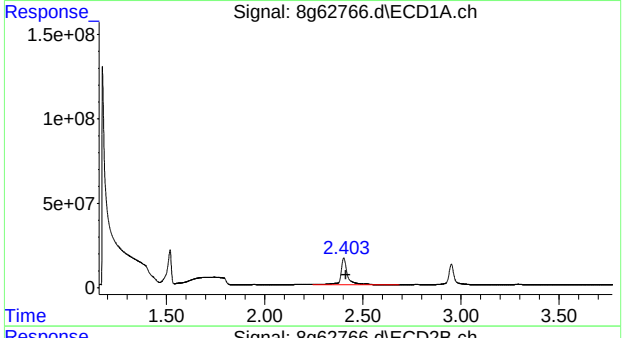
#26 Decachlorobiphenyl

R.T.: 10.616 min
Delta R.T.: -0.012 min
Response: 297320940
Conc: 4.36 PPB



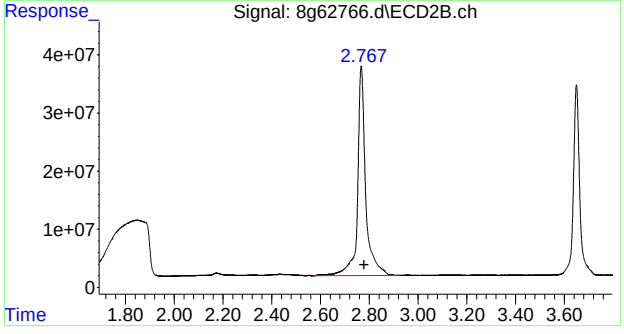
#26 Decachlorobiphenyl

R.T.: 12.996 min
Delta R.T.: -0.011 min
Response: 386133105
Conc: 3.32 PPB



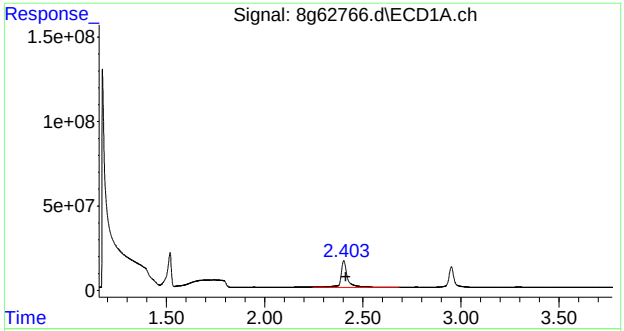
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.404 min
Delta R.T.: -0.010 min
Response: 367356114
Conc: 5.00 PPB



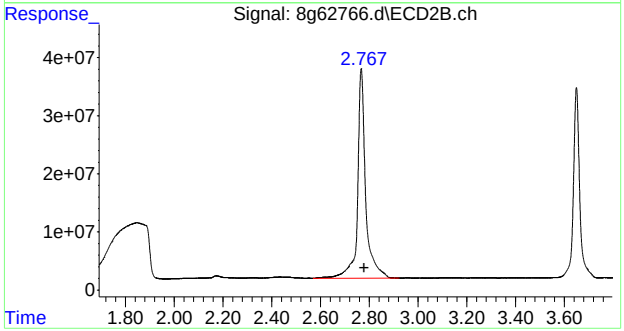
#27 1-bromo-2-nitrobenzeneA

R.T.: 2.768 min
Delta R.T.: -0.010 min
Response: 838279665
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.404 min
Delta R.T.: -0.010 min
Response: 367356114
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 2.768 min
Delta R.T.: -0.010 min
Response: 838279665
Conc: 5.00 PPB

Manual Integrations APPROVED (compounds with "m" flag)
Sarah Cruz
12/03/24 06:02

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\shahanit\Dec-2024\12-03-2024\grl55
Data File : RL23106.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Dec 2024 12:45 am
Operator : christp
Sample : op59821-mb1 m
Misc : op59821,grl552,54.3,,,2,1
ALS Vial : 127 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 09:37:30 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\shahanit\Dec-2024\12-03-2024\grl552\pcblvigcrl343.m
Quant Title :
QLast Update : Tue Dec 03 09:15:35 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) S	Tetrachlo...	3.687	4.025	771.3E6	601.3E6	3.539m	3.994m
	Spiked Amount	40.000		Recovery	=	8.85%	9.99%
51) S	Decachlor...	9.535	10.345	744.4E6	575.6E6	5.070m	5.136m
	Spiked Amount	40.000		Recovery	=	12.68%	12.84%
	Target Compounds						

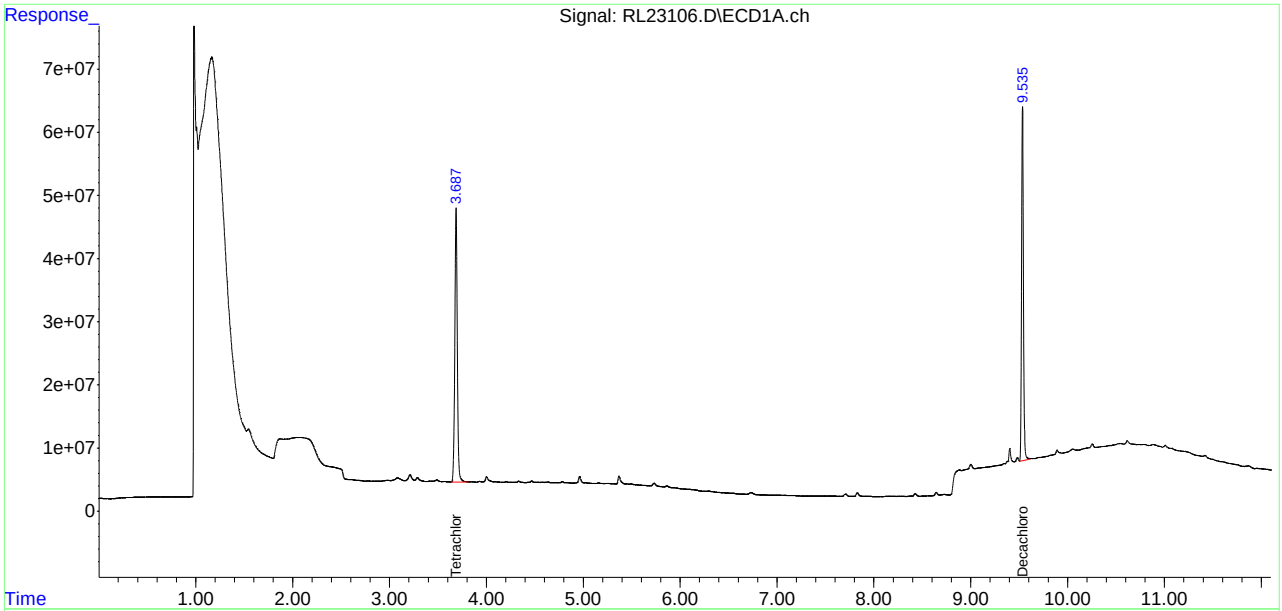
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

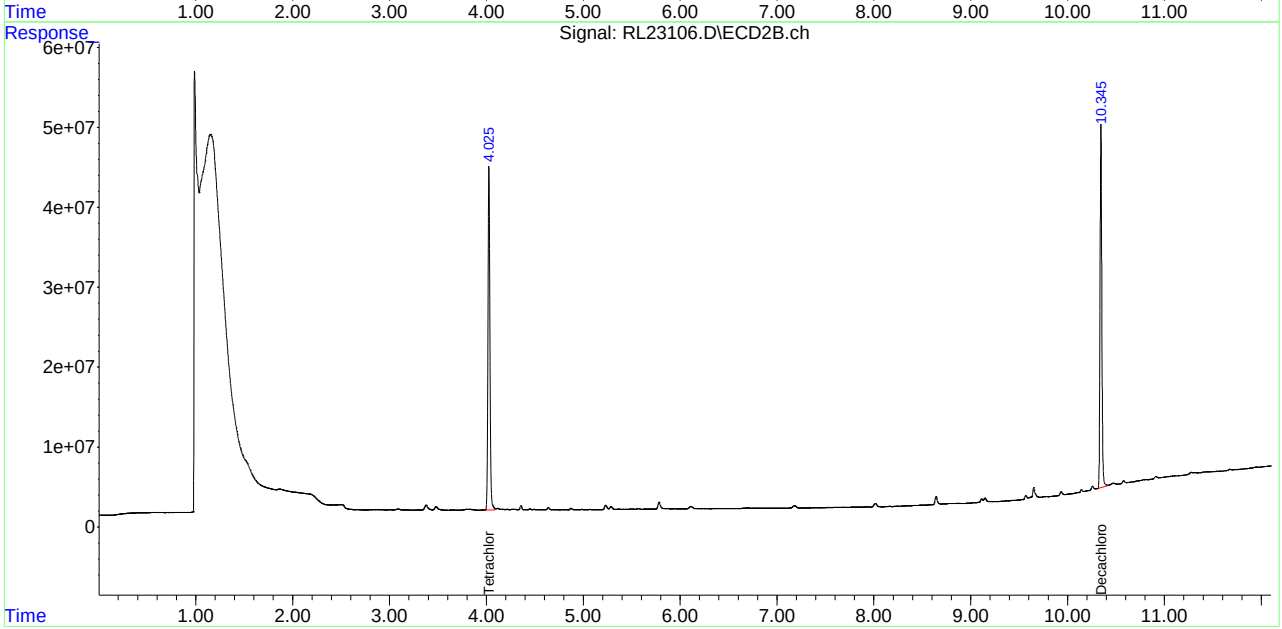
Quantitation Report (QT Reviewed)

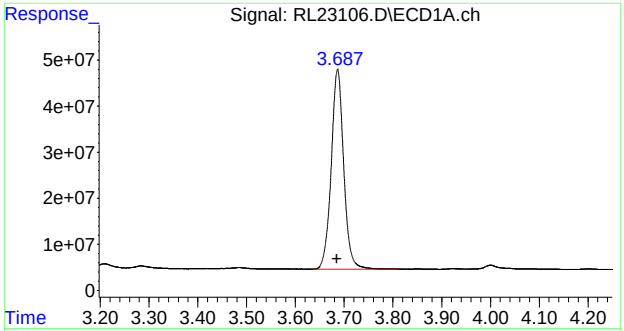
Data Path : X:\Dayton SVOA GC\8. GC Members\shahanit\Dec-2024\12-03-2024\grl552\
Data File : RL23106.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Dec 2024 12:45 am
Operator : christp
Sample : op59821-mb1 m
Misc : op59821,grl552,54.3,,,2,1
ALS Vial : 127 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 09:37:30 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\shahanit\Dec-2024\12-03-2024\grl552\pcblvigcrl343.m
Quant Title :
QLast Update : Tue Dec 03 09:15:35 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

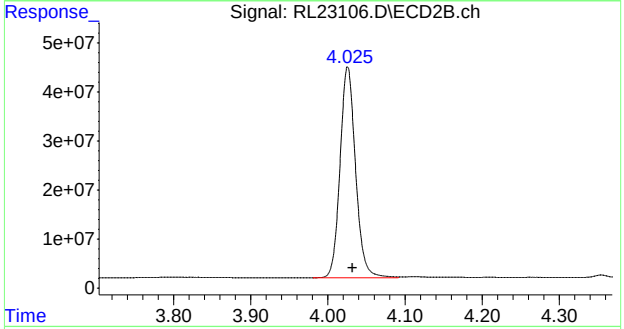






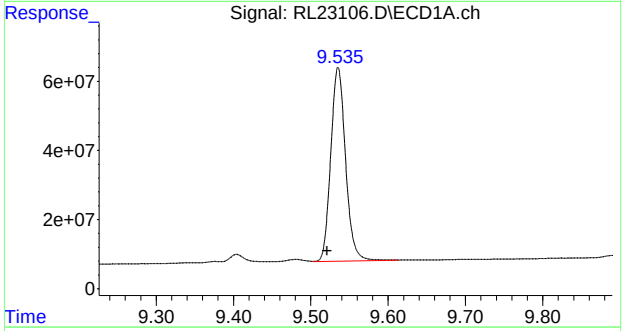
#1 Tetrachloro-m-xylene

R.T.: 3.687 min
Delta R.T.: 0.002 min
Response: 771269488
Conc: 3.54 ppb m



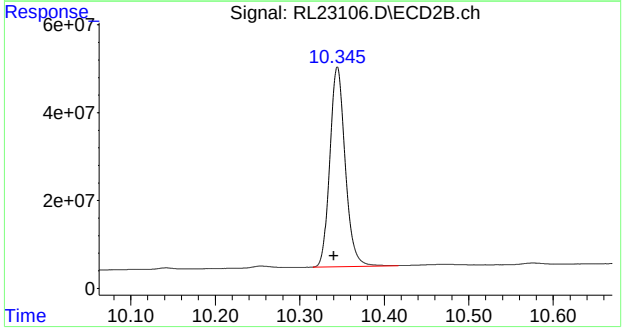
#1 Tetrachloro-m-xylene

R.T.: 4.025 min
Delta R.T.: -0.007 min
Response: 601338763
Conc: 3.99 ppb m



#51 Decachlorobiphenyl

R.T.: 9.535 min
Delta R.T.: 0.013 min
Response: 744418195
Conc: 5.07 ppb m



#51 Decachlorobiphenyl

R.T.: 10.345 min
Delta R.T.: 0.004 min
Response: 575616542
Conc: 5.14 ppb m

Manual Integrations APPROVED
(compounds with "m" flag)
Gwendolyn Burns
09/24/24 10:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60346.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 1:06 pm
Operator : rebeccak
Sample : icc2596-2.5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:38:34 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
		Internal Standards						
1)	I	1-bromo-2...	2.422	2.793	271.7E6	656.8E6	5.000	5.000
27)	I	1-bromo-2...	2.422	2.793	271.7E6	656.8E6	5.000	5.000
33)	I	1-bromo-2...	2.422	2.793	271.7E6	656.8E6	5.000	5.000
		System Monitoring Compounds						
2)	SAB	Tetrachlo...	2.972	3.682	132.3E6	403.5E6	2.238	2.347
		Spiked Amount 40.000	Range 30 - 150		Recovery =		5.59%#	5.87%#
26)	SA	Decachlor...	10.675	13.068	124.1E6	234.0E6	2.133	2.373
		Spiked Amount 40.000			Recovery =		5.33%	5.93%
		Target Compounds						
3)		hexachlor...	3.316	4.262	204.3E6	403.9E6	2.013	2.055
4)	A	alpha-BHC	3.469	4.429	191.5E6	501.1E6	1.714	1.629
5)	MA	gamma-BHC	3.787	4.917	174.3E6	438.0E6	1.695	1.800
6)	MA	Heptachlor	4.325	5.586	174.0E6	379.9E6	1.735	1.831
7)	B	beta-BHC	3.862	4.994	79255645	209.8E6	1.571	1.614
8)	B	delta-BHC	4.066	5.447	173.0E6	416.7E6	1.565	1.642
9)	MB	Aldrin	4.693	6.099	157.5E6	401.9E6	1.706	1.822
10)		alachlor	4.841	5.839	24049868	60983331	2.055	2.241
11)	B	Heptachlo...	5.471	6.991	152.7E6	373.3E6	1.620	1.763
12)	B	gamma-Chl...	5.643	7.298	154.6E6	371.5E6	1.689	1.781
13)	B	alpha-Chl...	5.827	7.540	153.4E6	368.5E6	1.687	1.778
14)	A	Endosulfan I	6.027	7.653	141.3E6	340.2E6	1.665	1.762
15)	B	4,4'-DDE	5.929	7.789	156.5E6	361.0E6	1.644	1.719
16)	MA	Dieldrin	6.372	8.116	152.0E6	386.4E6	1.739	1.678
17)	MA	Endrin	6.720	8.652	120.7E6	273.8E6	1.931	1.968
18)	A	4,4'-DDD	6.821	8.787	126.3E6	301.7E6	1.145	1.180
19)	B	Endosulfa...	7.060	9.010	135.4E6	322.4E6	1.656	1.769
20)	MA	4,4'-DDT	7.259	9.352	130.5E6	267.8E6	1.822	1.982
21)	B	Endrin Al...	7.725	9.600	107.2E6	238.9E6	1.537	1.613
22)	B	Endosulfa...	8.443	10.083	122.8E6	288.1E6	1.579	1.715
23)	A	Methoxychlor	8.056	10.583	74297483	129.7E6	1.837	2.009
24)		Mirex	8.259	11.029	112.5E6	205.8E6	1.939	2.032m
25)	B	Endrin Ke...	8.899	11.046	154.1E6	375.7E6	1.610	1.682m
		SemiQuant Compounds - Not Calibrated on this Instrument						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

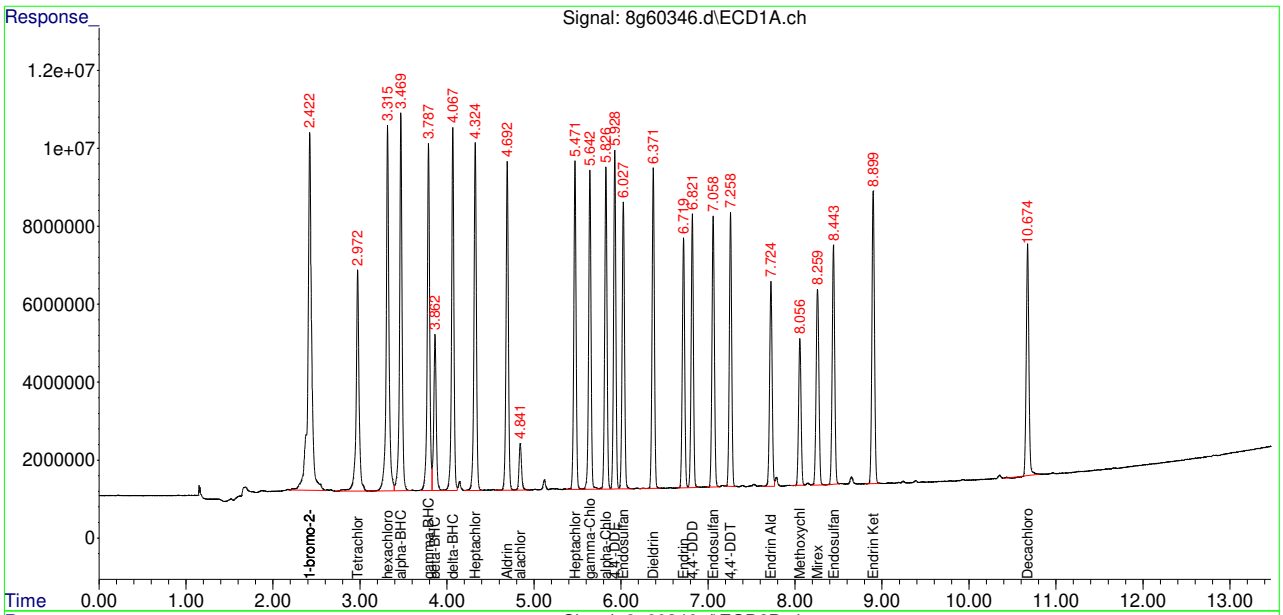
11.3.1
11

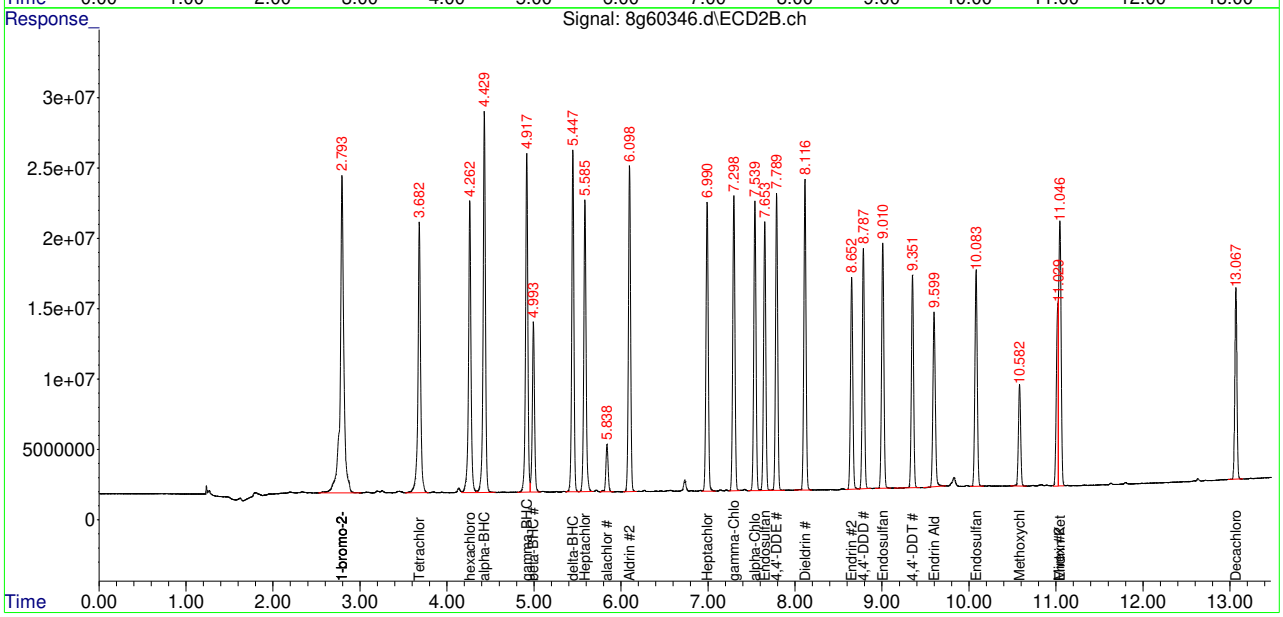
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60346.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 1:06 pm
Operator : rebeccak
Sample : icc2596-2.5 (pest mix)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 18 20:38:34 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Wed Sep 18 06:54:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





Manual Integrations APPROVED
(compounds with "m" flag)
Gwendolyn Burns
09/24/24 10:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60351.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 3:00 pm
Operator : rebeccak
Sample : ic2596-50 (chlordane)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 07:04:44 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 07:04:06 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1)	I 1-bromo-2...	2.423	2.793	255.8E6	643.8E6	5.000	5.000
27)	I 1-bromo-2...	2.423	2.793	255.8E6	643.8E6	5.000	5.000
33)	I 1-bromo-2...	2.423	2.793	255.8E6	643.8E6	5.000	5.000
	System Monitoring Compounds						
2)	SAB Tetrachlo...	2.973	3.680	314.5E6	796.3E6	6.373	5.048
	Spiked Amount 40.000	Range 30 - 150		Recovery =		15.93%#	12.62%#
26)	SA Decachlor...	10.675	13.062	255.2E6	457.9E6	5.376	5.132
	Spiked Amount 40.000			Recovery =		13.44%	12.83%
	Target Compounds						
34)	Chlordane...	4.325	5.582	197.5E6	438.2E6	120.672	42.469 #
35)	Chlordane...	4.847	6.288	119.1E6	256.2E6	102.398	41.827 #
36)	Chlordane...	5.643	7.293	424.0E6	892.6E6	112.753	44.573 #
37)	Chlordane...	5.820	7.533	650.3E6	1472.8E6	109.112	44.564m#
38)	Chlordane...	6.955	9.096	93073606	209.6E6	112.063	41.566 #
	SemiQuant Compounds - Not Calibrated on this Instrument						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

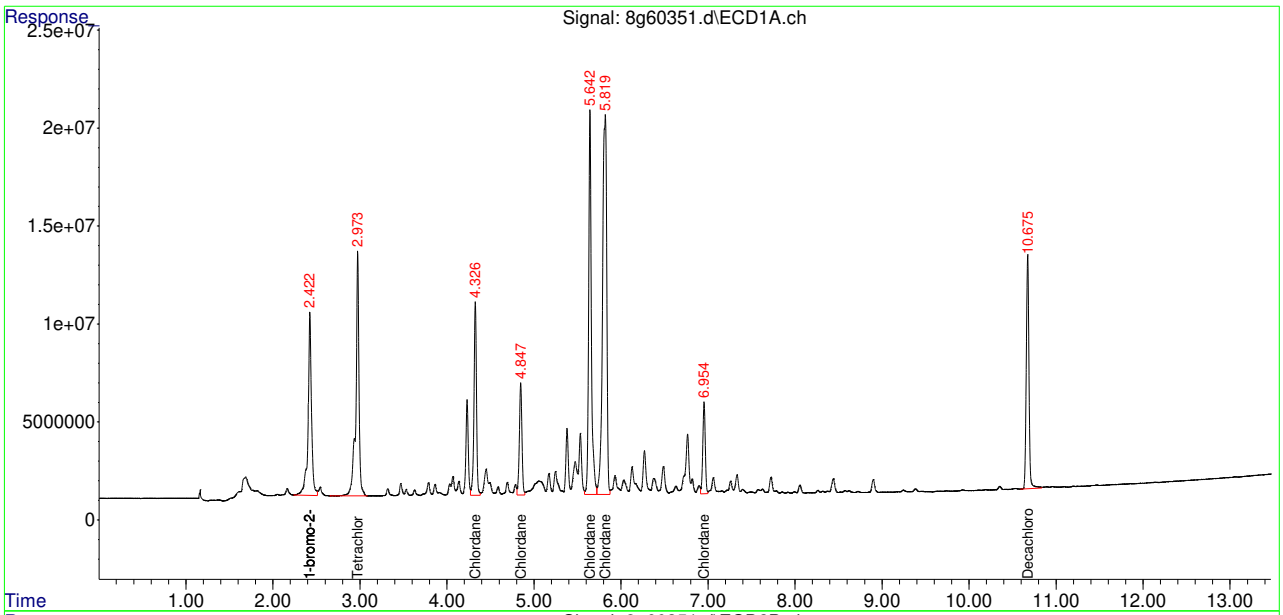
11.3.2 11

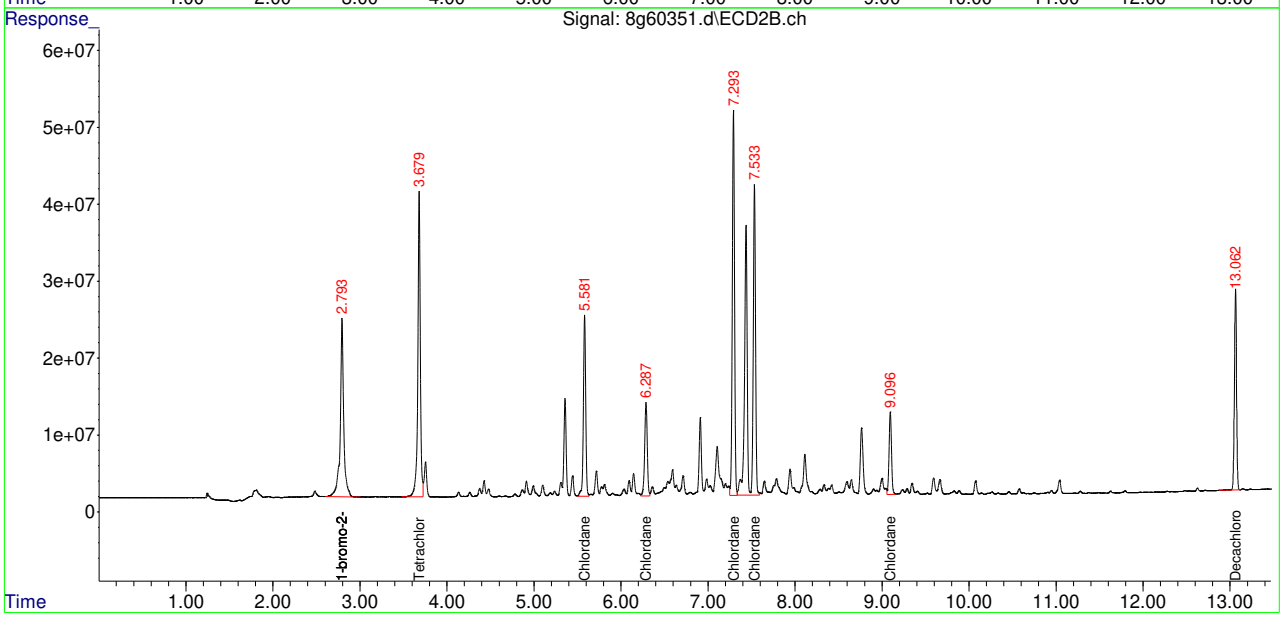
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60351.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 3:00 pm
Operator : rebeccak
Sample : ic2596-50 (chlordane)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 07:04:44 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 07:04:06 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





Manual Integrations APPROVED
(compounds with "m" flag)
Gwendolyn Burns
09/24/24 10:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60353.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 3:45 pm
Operator : rebeccak
Sample : ic2596-50 (toxaphene)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 13:28:30 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 07:05:18 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1)	I 1-bromo-2...	2.424	2.793	234.8E6	593.4E6	5.000	5.000
27)	I 1-bromo-2...	2.424	2.793	234.8E6	593.4E6	5.000	5.000
33)	I 1-bromo-2...	2.424	2.793	234.8E6	593.4E6	5.000	5.000
	System Monitoring Compounds						
2)	SAB Tetrachlo...	2.974	3.680	278.0E6	816.6E6	6.135	5.617
	Spiked Amount 40.000	Range 30 - 150		Recovery =		15.34%#	14.04%#
26)	SA Decachlor...	10.674	13.062	248.4E6	467.3E6	5.700	5.682
	Spiked Amount 40.000			Recovery =		14.25%	14.21%
	Target Compounds						
28)	L8 Toxaphene{A}	6.763	8.064	33361425	67520397	238.596m	22.913m#
29)	L8 Toxaphene{B}	7.585	8.248	32245734	44388497	120.975m	42.251m#
30)	L8 Toxaphene{C}	7.692	9.144	87973371	111.1E6	131.924m	64.550m#
31)	L8 Toxaphene{D}	8.113	9.287	56162953	52462715	182.773m	18.033m#
32)	L8 Toxaphene{E}	8.269	10.522	82330893	160.1E6	116.966m	49.305m#
	SemiQuant Compounds - Not Calibrated on this Instrument						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

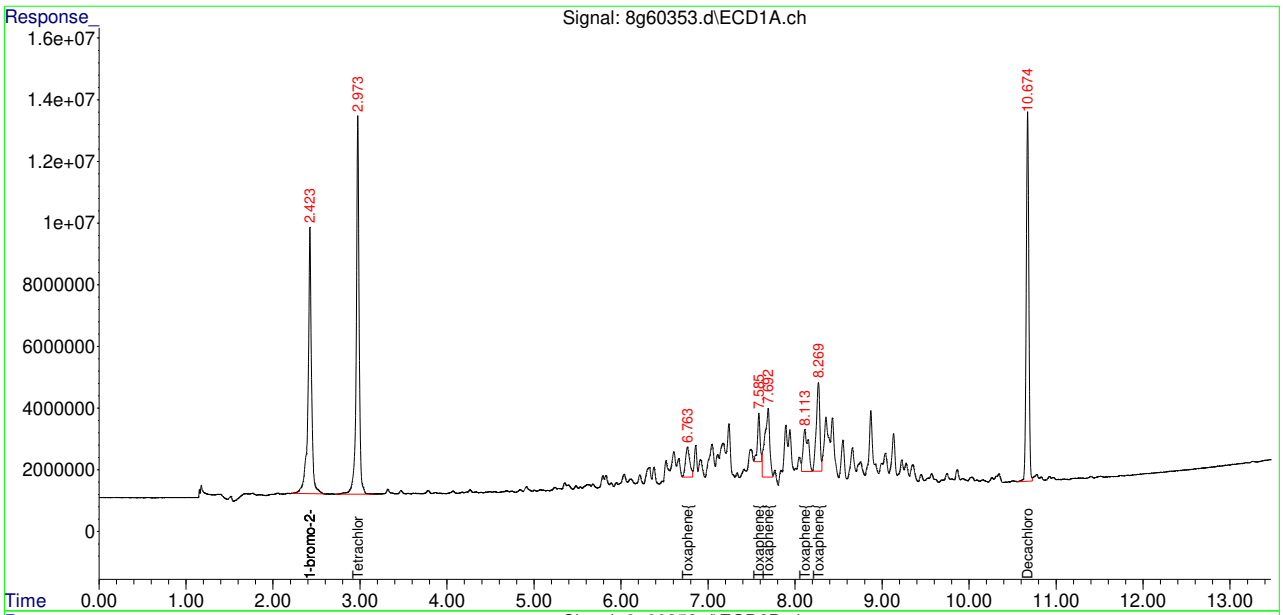
11.3.3 11

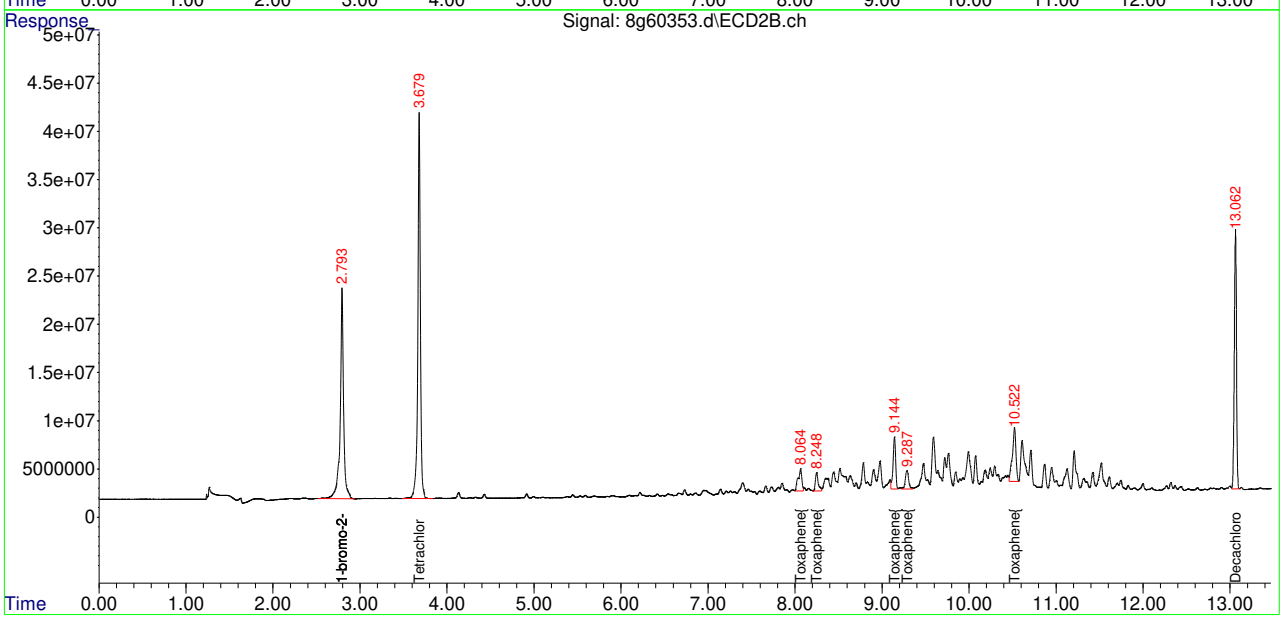
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g8g2596\
Data File : 8g60353.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2024 3:45 pm
Operator : rebeccak
Sample : ic2596-50 (toxaphene)
Misc : op57529,g8g2596,5.0,,,10,1
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 13:28:30 2024
Quant Method : C:\msdchem\1\methods\8PSTLVI2596a.M
Quant Title : PEST/PCB
QLast Update : Thu Sep 19 07:05:18 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug
04/29/24 20:59

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\grl343\
Data File : RL15612.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2024 03:23 am
Operator : christp
Sample : icc343-100 (Sig #1); ic343-100 (Sig #2)
Misc : op54010,grl343,5.1,,,10,1
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 20:19:28 2024
Quant Method : C:\msdchem\1\methods\pcblvigcrl343a.m
Quant Title :
QLast Update : Mon Apr 29 05:54:14 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) S	Tetrachlo...	3.920	4.333	928.7E6	633.0E6	4.786	4.413
	Spiked Amount 40.000			Recovery	=	11.97%	11.03%
51) S	Decachlor...	9.821	10.737	594.9E6	442.8E6	5.245	4.732m
	Spiked Amount 40.000			Recovery	=	13.11%	11.83%
	Target Compounds						
41)	AR1016-A	4.220	4.785	388.0E6	271.8E6	120.570	108.100
42)	AR1016-B	4.519	5.178	788.7E6	554.4E6	125.421	107.040
43)	AR1016-C	4.920	5.688	1712.6E6	1322.7E6	122.683m	111.488m
44)	AR1016-D	5.041	5.855	682.6E6	484.7E6	122.200	112.053
45)	AR1016-E	5.441	6.516	702.3E6	385.5E6	120.686m	111.229
46)	AR1260-A	7.455	8.502	1565.8E6	1152.9E6	137.640	159.335
47)	AR1260-B	7.947	8.967	1068.9E6	897.3E6	150.412m	165.617
48)	AR1260-C	8.229	9.255	967.5E6	836.0E6	134.172	133.888
49)	AR1260-D	8.560	9.466	2310.4E6	1946.5E6	134.211	144.715
50)	AR1260-E	8.844	9.790	2309.8E6	1794.5E6	140.276m	138.636

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

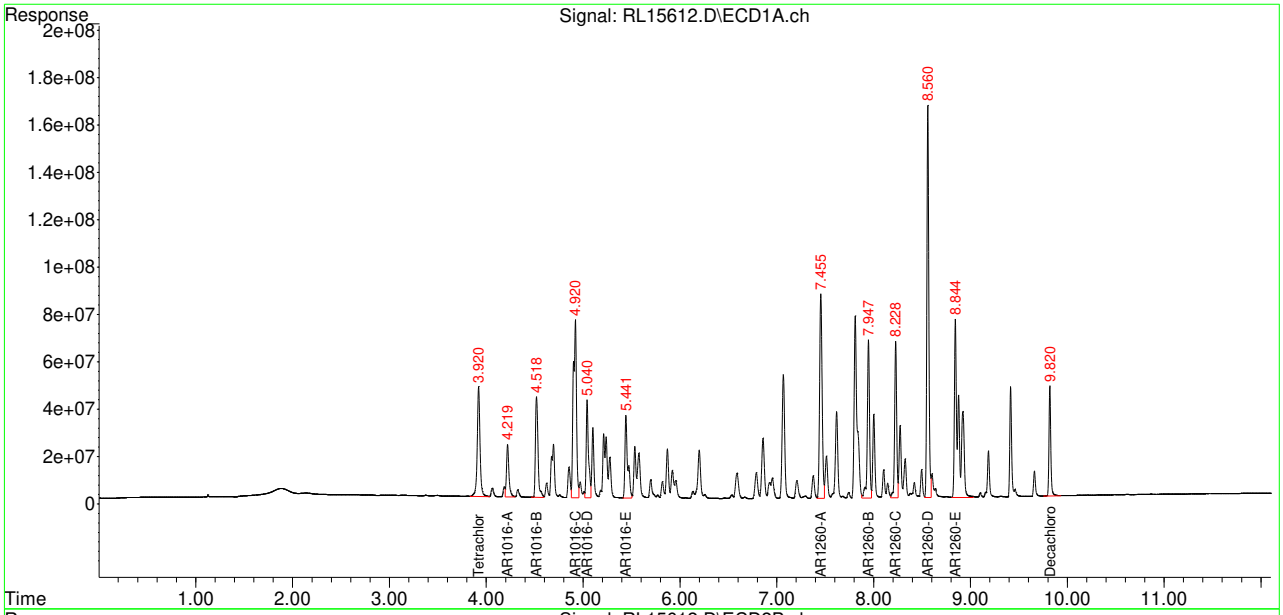
11.3.4 11

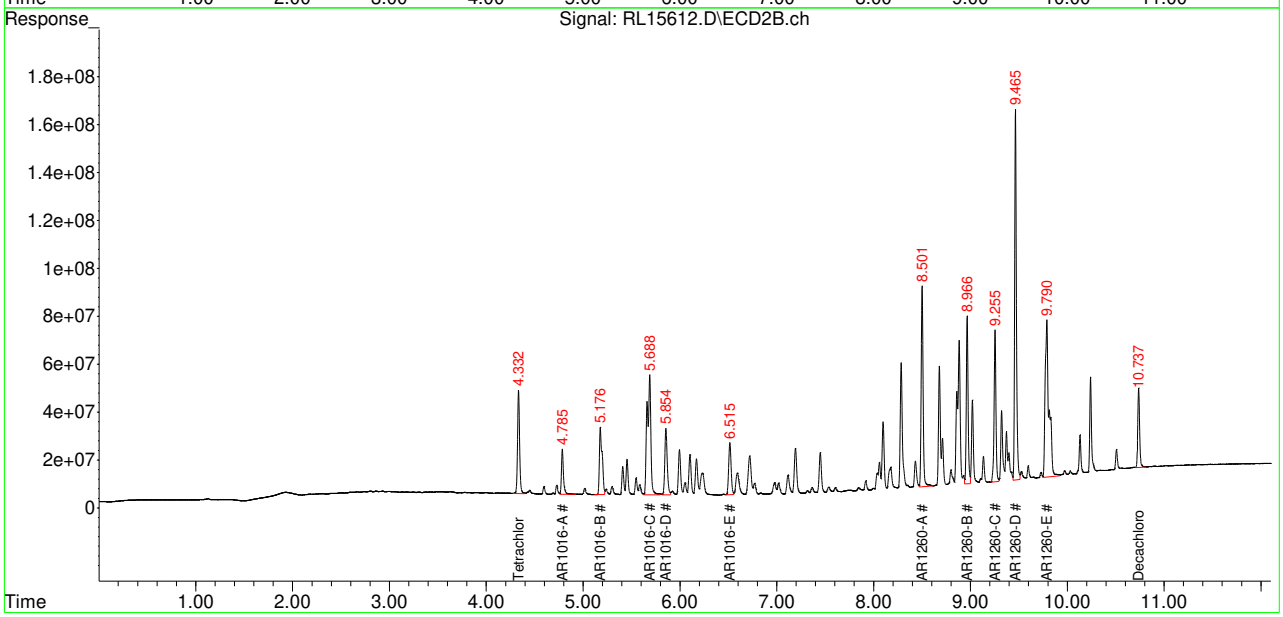
Quantitation Report (QT Reviewed)

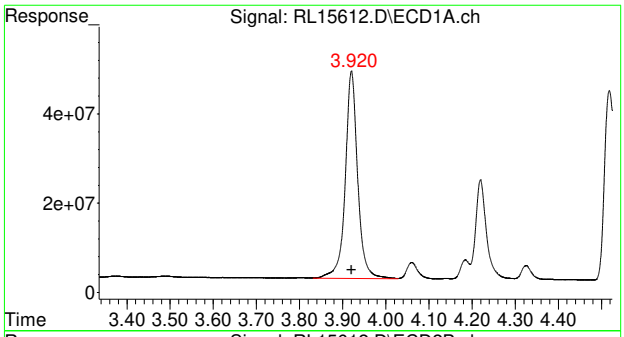
Data Path : C:\msdchem\1\data\grl343\
Data File : RL15612.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2024 03:23 am
Operator : christp
Sample : icc343-100 (Sig #1); ic343-100 (Sig #2)
Misc : op54010,grl343,5.1,,,10,1
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 20:19:28 2024
Quant Method : C:\msdchem\1\methods\pcblvigcrl343a.m
Quant Title :
QLast Update : Mon Apr 29 05:54:14 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

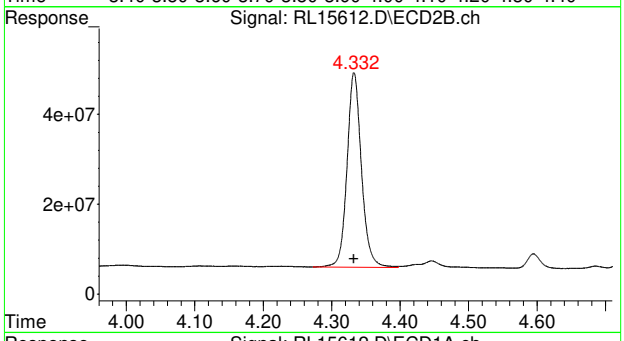






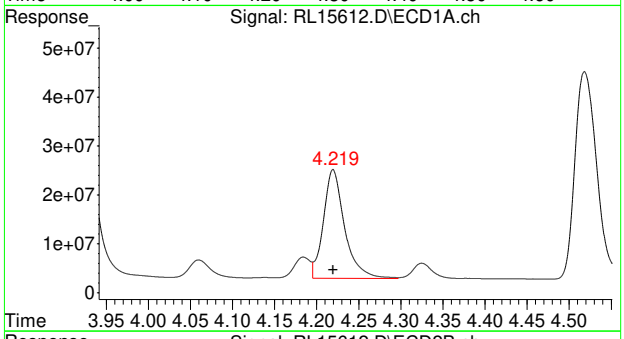
#1 Tetrachloro-m-xylene

R.T.: 3.920 min
Delta R.T.: 0.000 min
Response: 928722112
Conc: 4.79 ppb



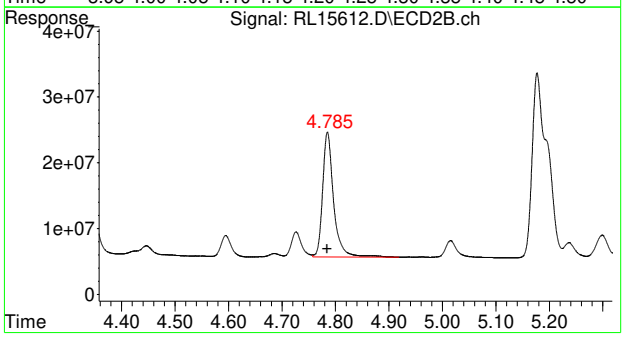
#1 Tetrachloro-m-xylene

R.T.: 4.333 min
Delta R.T.: 0.000 min
Response: 633039754
Conc: 4.41 ppb



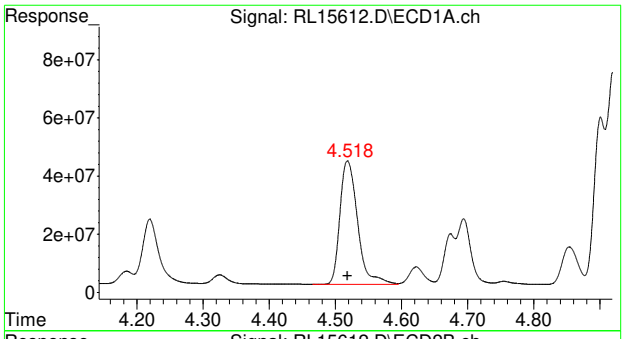
#41 AR1016-A

R.T.: 4.220 min
Delta R.T.: 0.000 min
Response: 388012025
Conc: 120.57 PPB



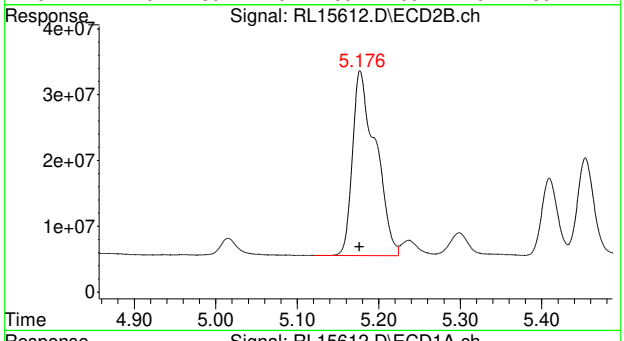
#41 AR1016-A

R.T.: 4.785 min
Delta R.T.: 0.000 min
Response: 271761769
Conc: 108.10 PPB



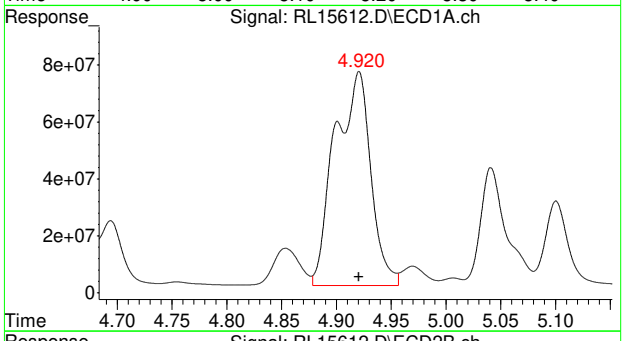
#42 AR1016-B

R.T.: 4.519 min
Delta R.T.: 0.000 min
Response: 788654452
Conc: 125.42 PPB



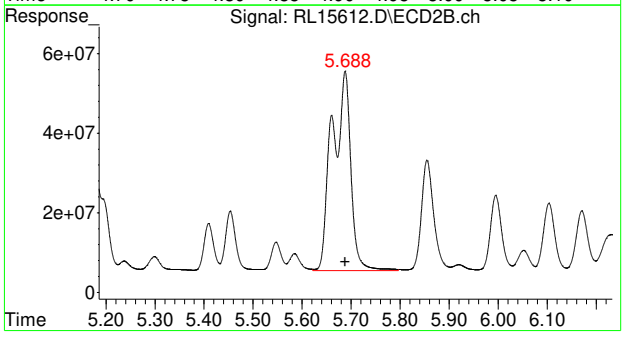
#42 AR1016-B

R.T.: 5.178 min
Delta R.T.: 0.001 min
Response: 554367804
Conc: 107.04 PPB



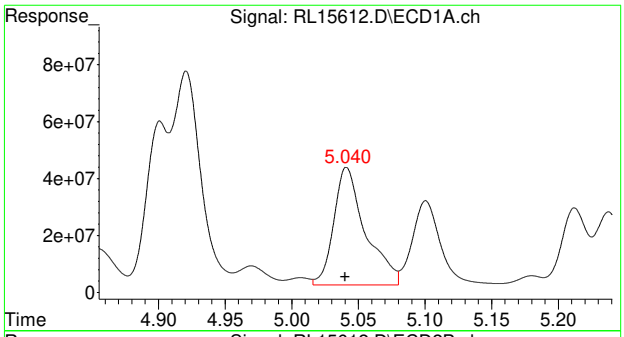
#43 AR1016-C

R.T.: 4.920 min
Delta R.T.: 0.000 min
Response: 1712622190
Conc: 122.68 PPB m



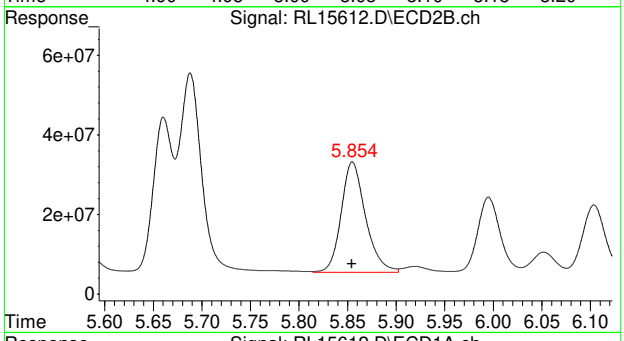
#43 AR1016-C

R.T.: 5.688 min
Delta R.T.: 0.000 min
Response: 1322694198
Conc: 111.49 PPB m



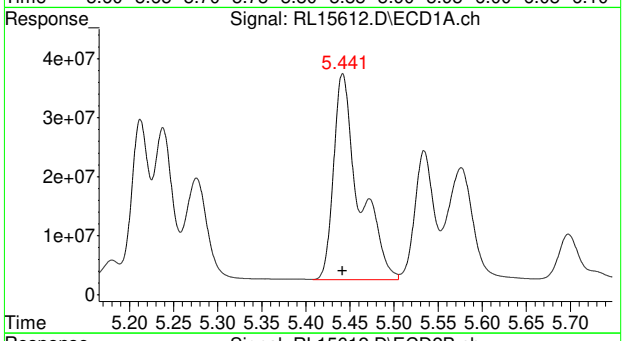
#44 AR1016-D

R.T.: 5.041 min
Delta R.T.: 0.001 min
Response: 682627947
Conc: 122.20 PPB



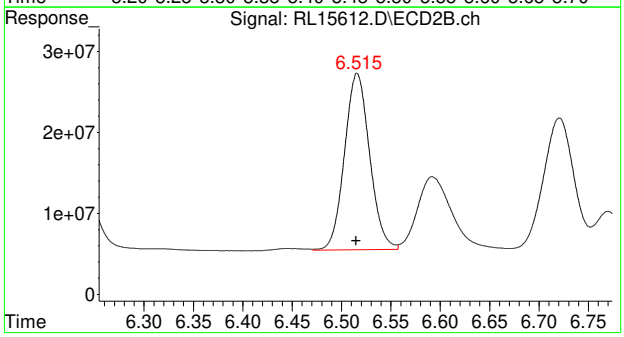
#44 AR1016-D

R.T.: 5.855 min
Delta R.T.: 0.000 min
Response: 484657223
Conc: 112.05 PPB



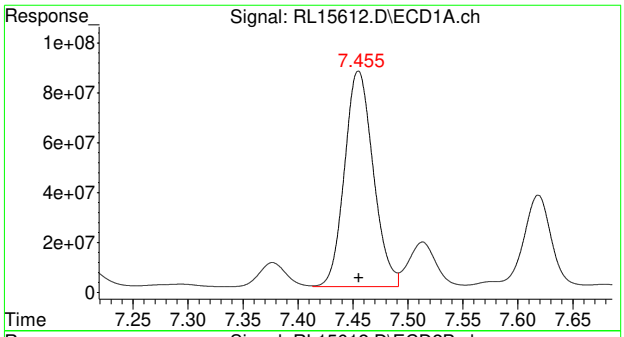
#45 AR1016-E

R.T.: 5.441 min
Delta R.T.: 0.000 min
Response: 702306184
Conc: 120.69 PPB m



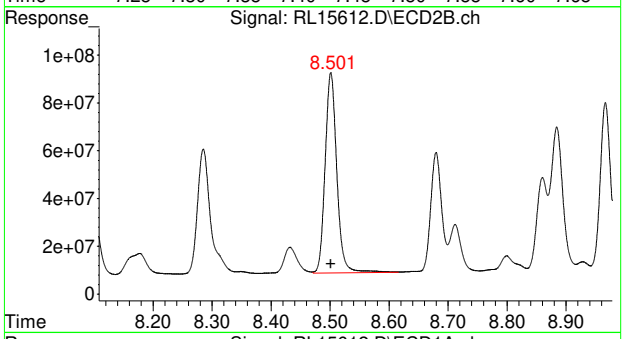
#45 AR1016-E

R.T.: 6.516 min
Delta R.T.: 0.000 min
Response: 385521520
Conc: 111.23 PPB



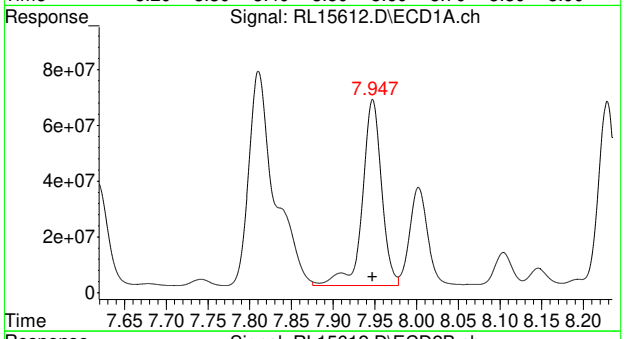
#46 AR1260-A

R.T.: 7.455 min
Delta R.T.: 0.000 min
Response: 1565802702
Conc: 137.64 PPB



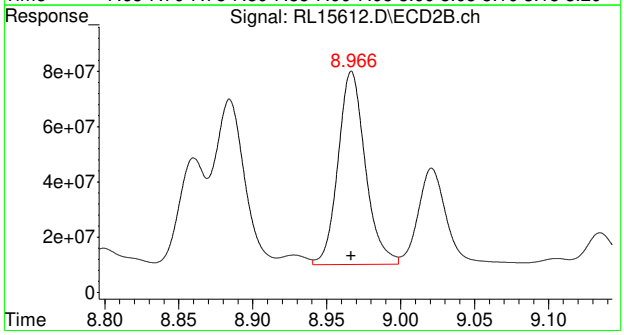
#46 AR1260-A

R.T.: 8.502 min
Delta R.T.: 0.000 min
Response: 1152879142
Conc: 159.34 PPB



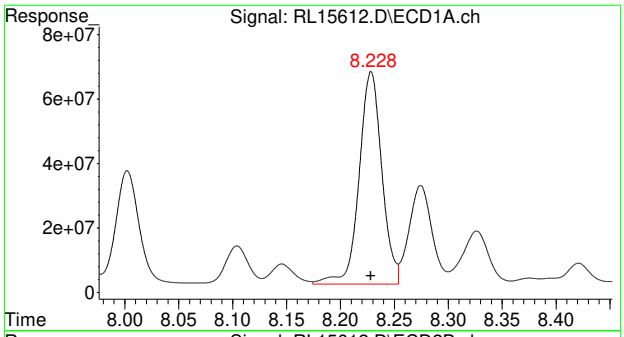
#47 AR1260-B

R.T.: 7.947 min
Delta R.T.: 0.000 min
Response: 1068948724
Conc: 150.41 PPB m



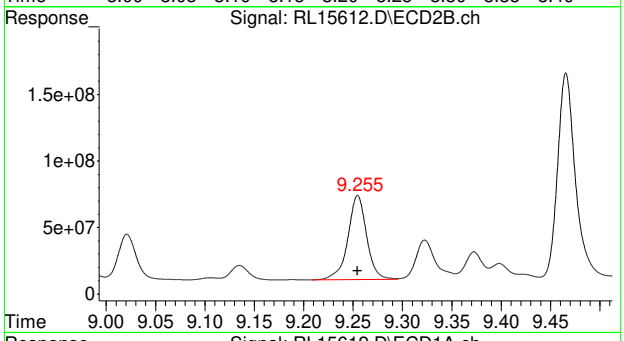
#47 AR1260-B

R.T.: 8.967 min
Delta R.T.: 0.000 min
Response: 897319310
Conc: 165.62 PPB



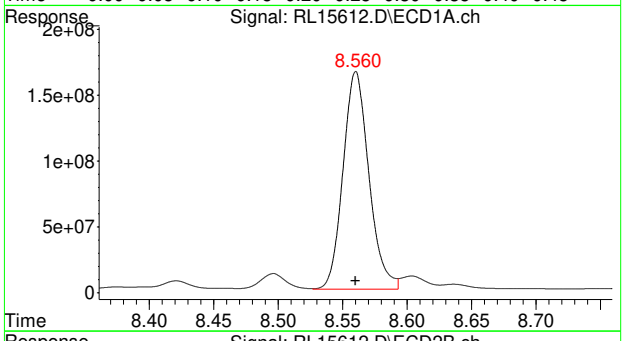
#48 AR1260-C

R.T.: 8.229 min
Delta R.T.: 0.000 min
Response: 967505744
Conc: 134.17 PPB



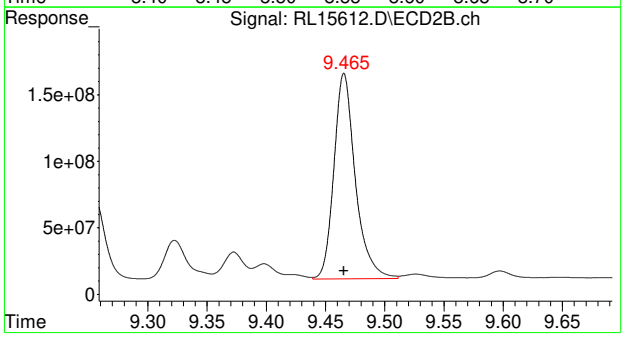
#48 AR1260-C

R.T.: 9.255 min
Delta R.T.: 0.000 min
Response: 835997557
Conc: 133.89 PPB



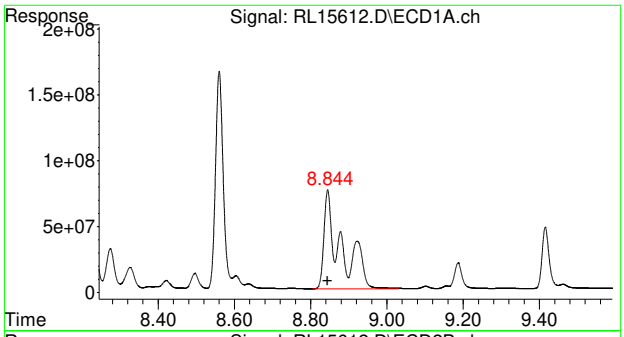
#49 AR1260-D

R.T.: 8.560 min
Delta R.T.: 0.000 min
Response: 2310352323
Conc: 134.21 PPB



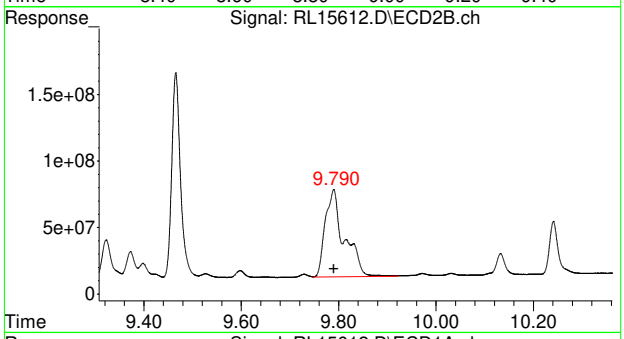
#49 AR1260-D

R.T.: 9.466 min
Delta R.T.: 0.000 min
Response: 1946497230
Conc: 144.71 PPB



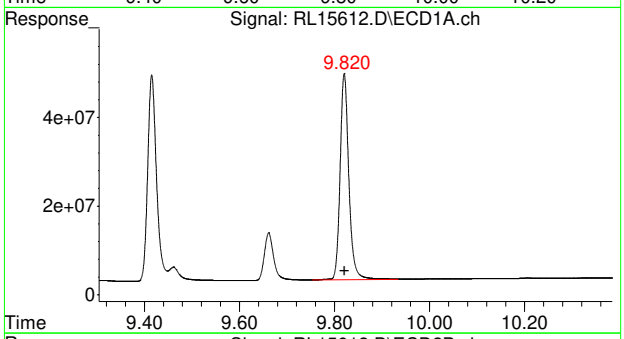
#50 AR1260-E

R.T.: 8.844 min
Delta R.T.: 0.000 min
Response: 2309833113
Conc: 140.28 PPB m



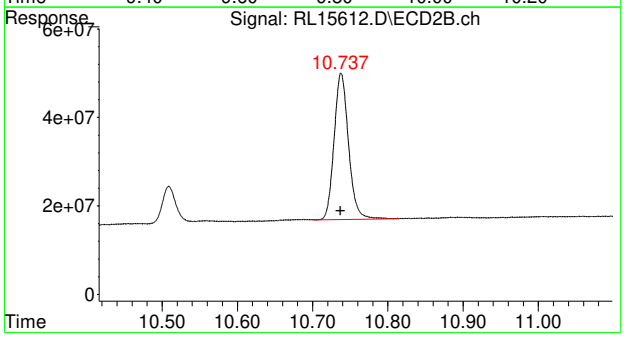
#50 AR1260-E

R.T.: 9.790 min
Delta R.T.: 0.000 min
Response: 1794500908
Conc: 138.64 PPB



#51 Decachlorobiphenyl

R.T.: 9.821 min
Delta R.T.: 0.000 min
Response: 594922563
Conc: 5.25 ppb



#51 Decachlorobiphenyl

R.T.: 10.737 min
Delta R.T.: 0.000 min
Response: 442805661
Conc: 4.73 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug
04/29/24 20:59

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\grl343\
Data File : RL15619.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2024 05:21 am
Operator : christp
Sample : ic343-100
Misc : op54010,grl343,5.1,,,10,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 07:05:44 2024
Quant Method : C:\msdchem\1\methods\pcblvigcrl343a.m
Quant Title :
QLast Update : Mon Apr 29 07:05:38 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) S	Tetrachlo...	3.921	4.333	930.7E6	609.9E6	4.796	4.252
	Spiked Amount 40.000			Recovery	=	11.99%	10.63%
51) S	Decachlor...	9.821	10.739	622.9E6	454.0E6	5.492	4.852m
	Spiked Amount 40.000			Recovery	=	13.73%	12.13%
	Target Compounds						
2)	AR1221-A	3.476	3.921	164.1E6	106.0E6	121.883	99.474
3)	AR1221-B	4.061	4.595	231.7E6	157.9E6	125.559	108.588
4)	AR1221-C	4.220	4.785	626.2E6	435.1E6	137.742	123.547
5)	AR1221-D	4.519	5.237f	113.1E6	119.1E6	100.923m	92.793m
6)	AR1221-E	4.901	5.687	146.5E6	81984449	119.051	80.063m#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

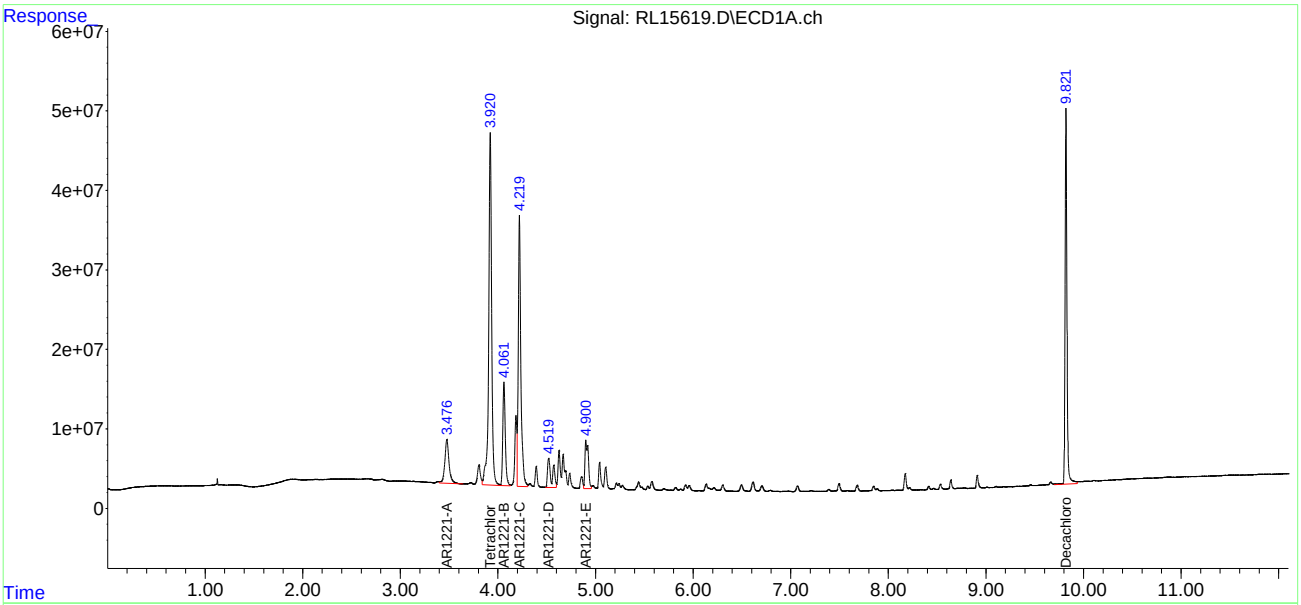
11.3.5 11

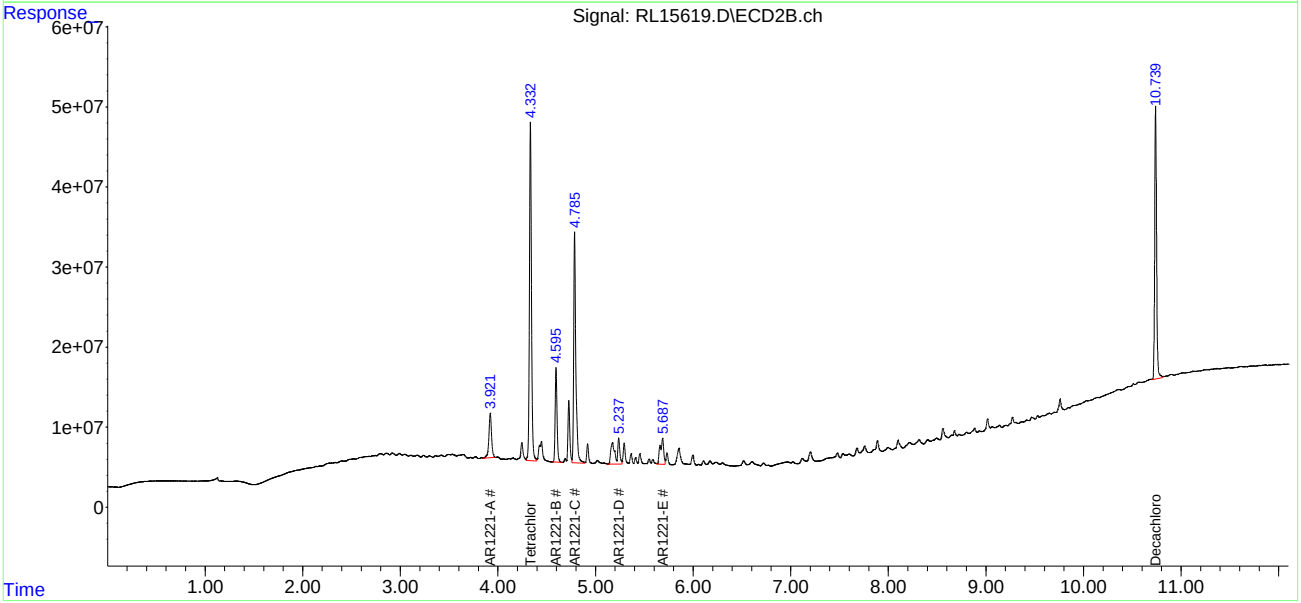
Quantitation Report (QT Reviewed)

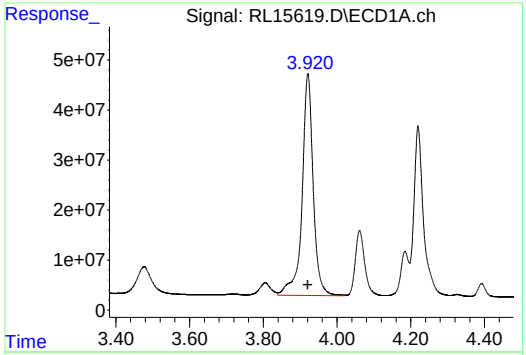
Data Path : C:\msdchem\1\data\grl343\
Data File : RL15619.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2024 05:21 am
Operator : christp
Sample : ic343-100
Misc : op54010,grl343,5.1,,,10,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 07:05:44 2024
Quant Method : C:\msdchem\1\methods\pcblvigcrl343a.m
Quant Title :
QLast Update : Mon Apr 29 07:05:38 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

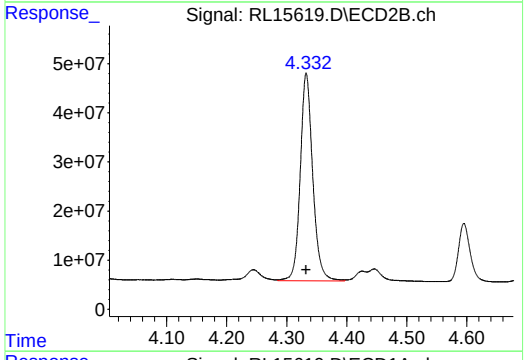






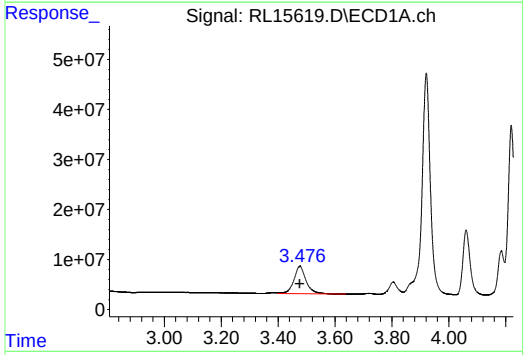
#1 Tetrachloro-m-xylene

R.T.: 3.921 min
Delta R.T.: 0.000 min
Response: 930710950
Conc: 4.80 ppb



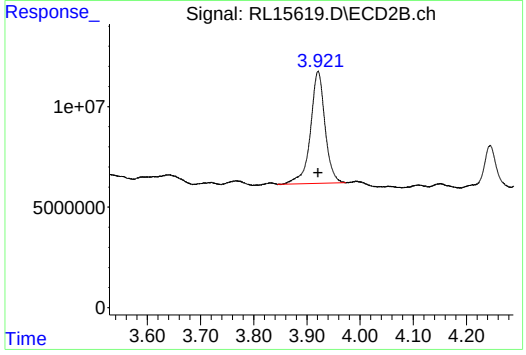
#1 Tetrachloro-m-xylene

R.T.: 4.333 min
Delta R.T.: 0.000 min
Response: 609944500
Conc: 4.25 ppb



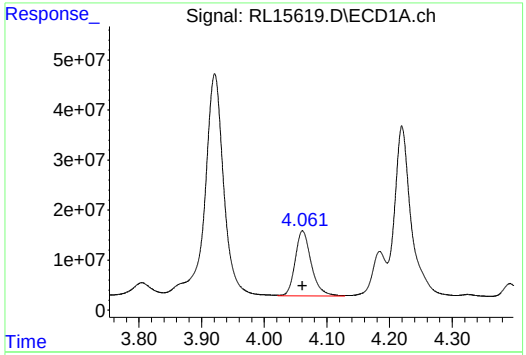
#2 AR1221-A

R.T.: 3.476 min
Delta R.T.: 0.000 min
Response: 164112928
Conc: 121.88



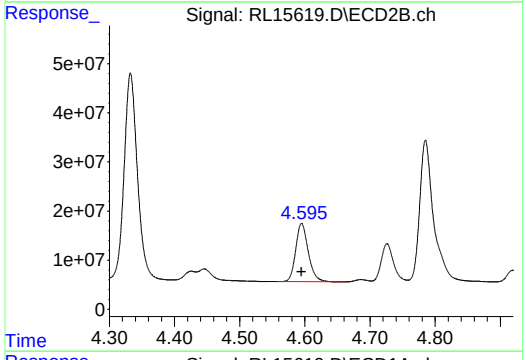
#2 AR1221-A

R.T.: 3.921 min
Delta R.T.: 0.000 min
Response: 105979217
Conc: 99.47



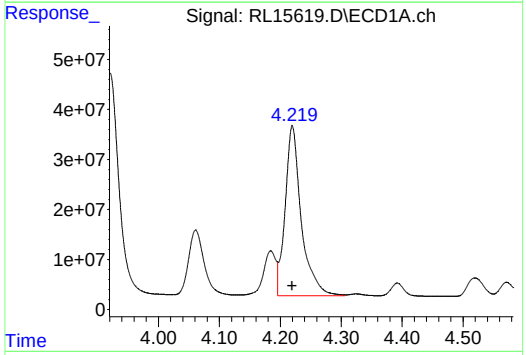
#3 AR1221-B

R.T.: 4.061 min
Delta R.T.: 0.000 min
Response: 231717067
Conc: 125.56 PPB



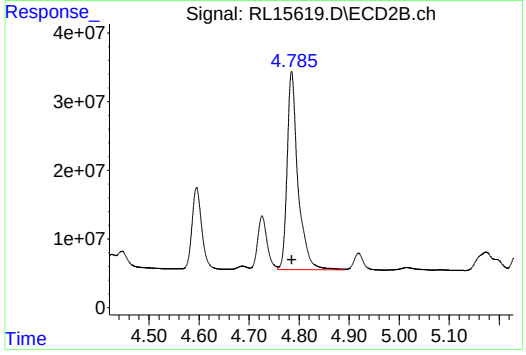
#3 AR1221-B

R.T.: 4.595 min
Delta R.T.: 0.000 min
Response: 157901314
Conc: 108.59 PPB



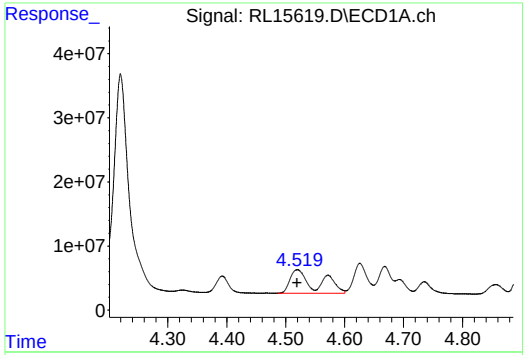
#4 AR1221-C

R.T.: 4.220 min
Delta R.T.: 0.000 min
Response: 626168922
Conc: 137.74 PPB



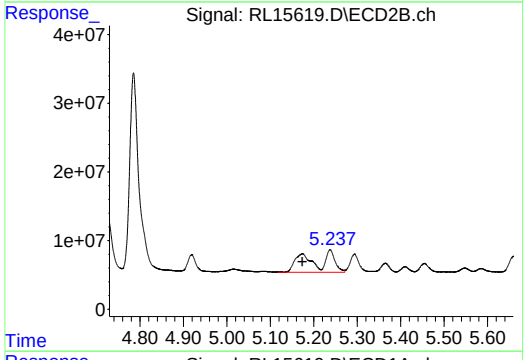
#4 AR1221-C

R.T.: 4.785 min
Delta R.T.: 0.000 min
Response: 435111711
Conc: 123.55 PPB



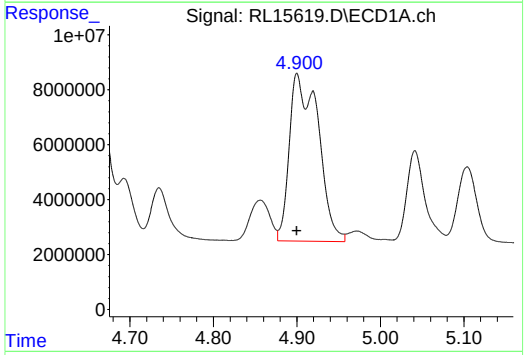
#5 AR1221-D

R.T.: 4.519 min
Delta R.T.: 0.000 min
Response: 113124482
Conc: 100.92 PPB m



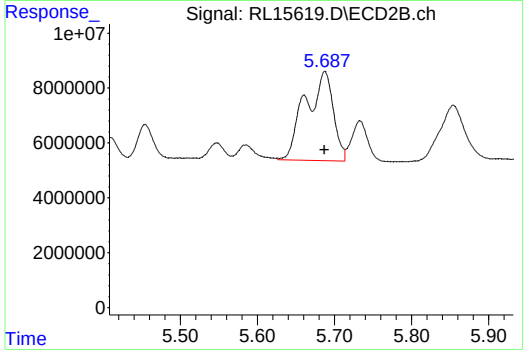
#5 AR1221-D

R.T.: 5.237 min
Delta R.T.: 0.064 min
Response: 119130329
Conc: 92.79 PPB m



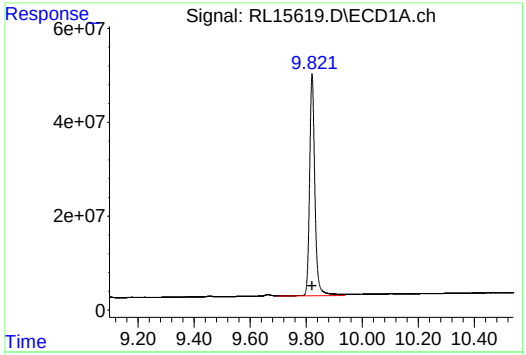
#6 AR1221-E

R.T.: 4.901 min
Delta R.T.: 0.000 min
Response: 146475241
Conc: 119.05 PPB



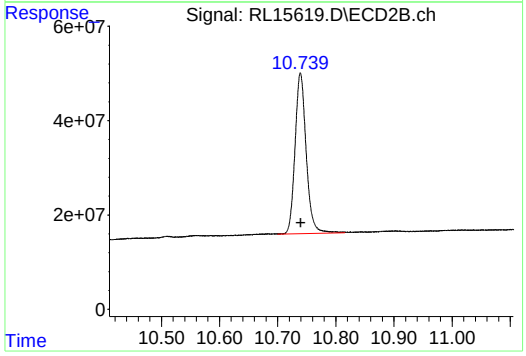
#6 AR1221-E

R.T.: 5.687 min
Delta R.T.: 0.000 min
Response: 81984449
Conc: 80.06 PPB m



#51 Decachlorobiphenyl

R.T.: 9.821 min
Delta R.T.: 0.000 min
Response: 622922873
Conc: 5.49 ppb



#51 Decachlorobiphenyl

R.T.: 10.739 min
Delta R.T.: 0.000 min
Response: 454029086
Conc: 4.85 ppb m

Manual Integrations APPROVED
(compounds with "m" flag)
Rebecca Krug
04/29/24 20:59

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\grl343\
Data File : RL15620.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2024 05:38 am
Operator : christp
Sample : ic343-100
Misc : op54010,grl343,5.1,,,10,1
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 07:07:28 2024
Quant Method : C:\msdchem\1\methods\pcblvigcrl343a.m
Quant Title :
QLast Update : Mon Apr 29 07:07:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) S	Tetrachlo...	3.922	4.334	856.4E6	599.7E6	4.413	4.181
	Spiked Amount 40.000			Recovery	=	11.03%	10.45%
51) S	Decachlor...	9.828	10.751	620.2E6	481.6E6	5.468	5.146
	Spiked Amount 40.000			Recovery	=	13.67%	12.86%
	Target Compounds						
24)	AR1254-A	5.874	7.198	664.2E6	579.8E6	109.256	115.008
25)	AR1254-B	6.203	7.454	1204.1E6	689.8E6	111.751	125.222
26)	AR1254-C	6.603	7.923	717.3E6	480.6E6	127.482	112.539
27)	AR1254-D	6.794	8.065	1260.4E6	1072.8E6	117.477	116.873
28)	AR1254-E	7.210	8.316	972.6E6	853.7E6	134.728	141.230
29)	AR1254-F	7.463	8.684	913.7E6	776.4E6	136.149	118.752m
30)	AR1254-G	7.817	8.889	1278.9E6	995.0E6	135.154	153.870

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

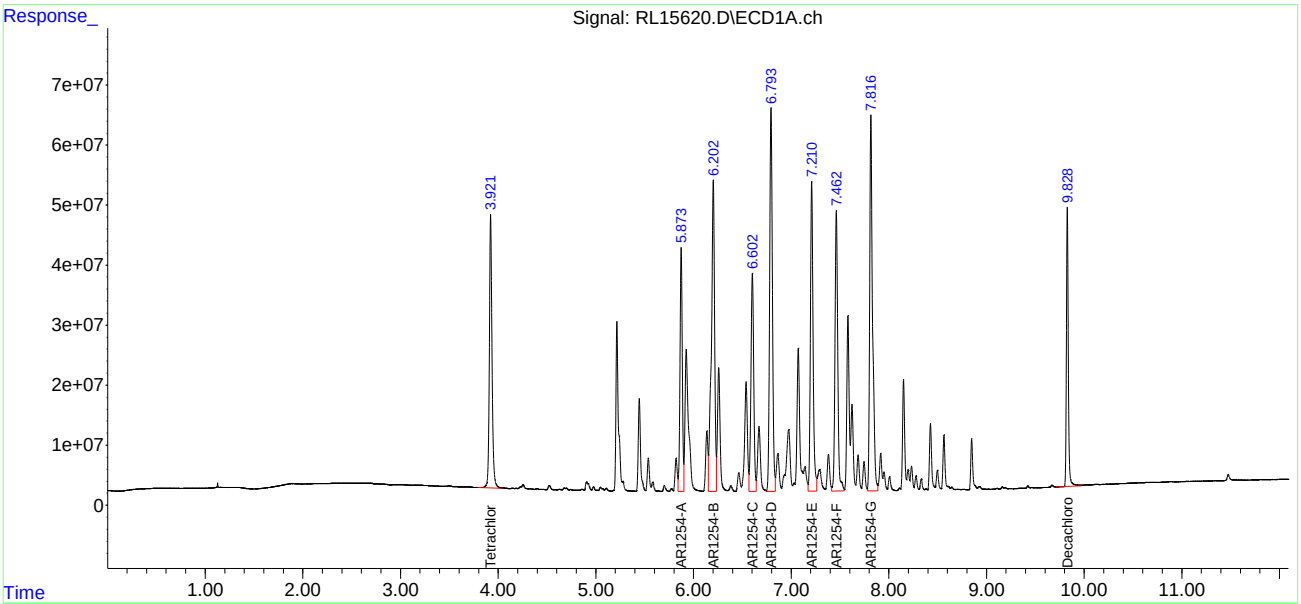
11.3.6
11

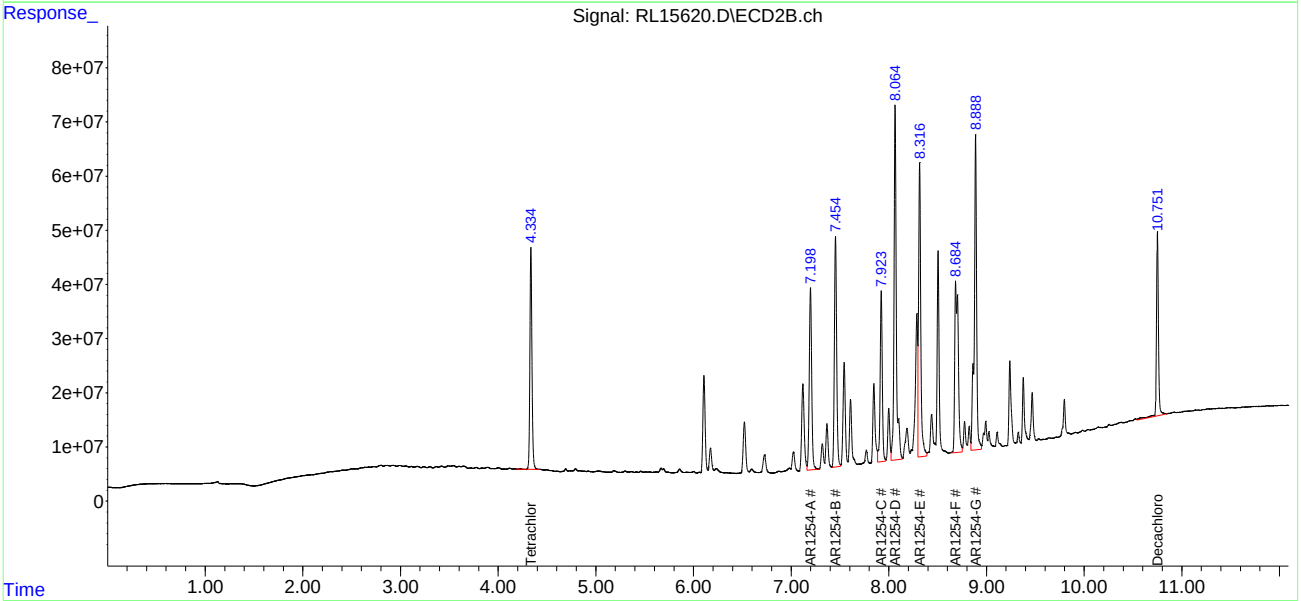
Quantitation Report (QT Reviewed)

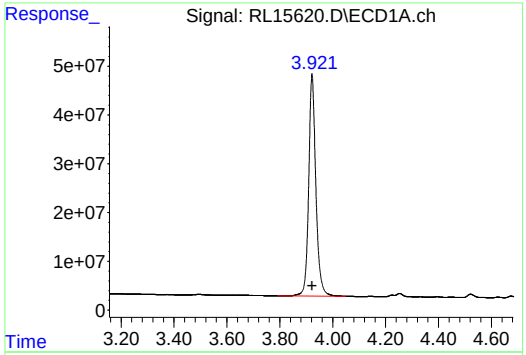
Data Path : C:\msdchem\1\data\grl343\
Data File : RL15620.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2024 05:38 am
Operator : christp
Sample : ic343-100
Misc : op54010,grl343,5.1,,,10,1
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 07:07:28 2024
Quant Method : C:\msdchem\1\methods\pcblvigcrl343a.m
Quant Title :
QLast Update : Mon Apr 29 07:07:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

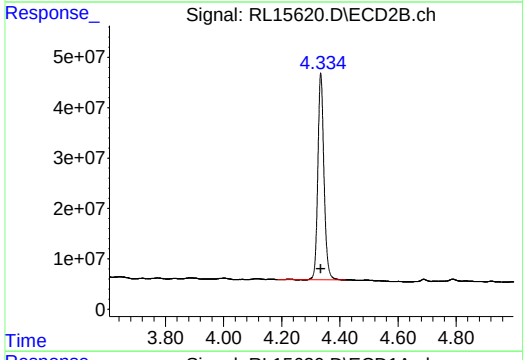






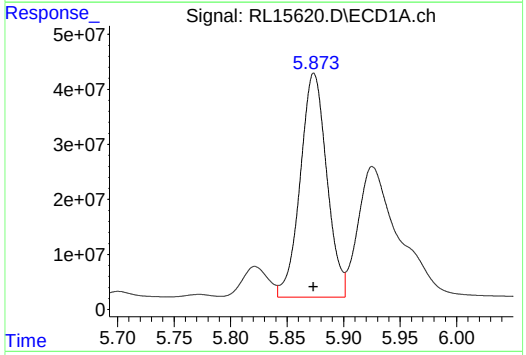
#1 Tetrachloro-m-xylene

R.T.: 3.922 min
Delta R.T.: 0.000 min
Response: 856388736
Conc: 4.41 ppb



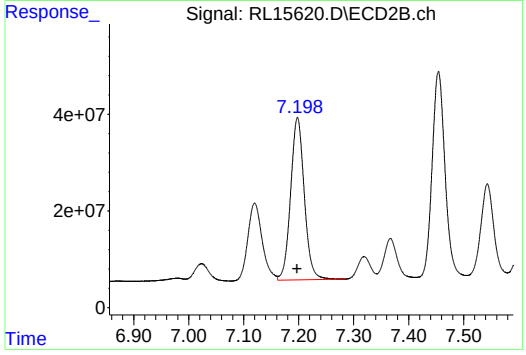
#1 Tetrachloro-m-xylene

R.T.: 4.334 min
Delta R.T.: 0.000 min
Response: 599651807
Conc: 4.18 ppb



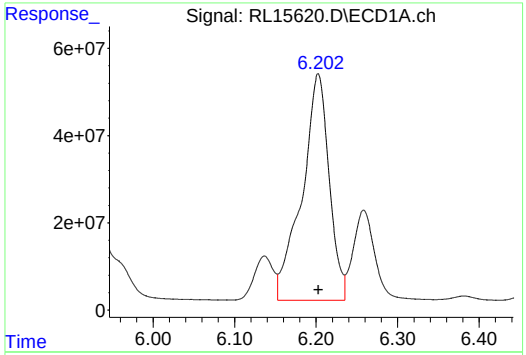
#24 AR1254-A

R.T.: 5.874 min
Delta R.T.: 0.000 min
Response: 664151486
Conc: 109.26 PPB



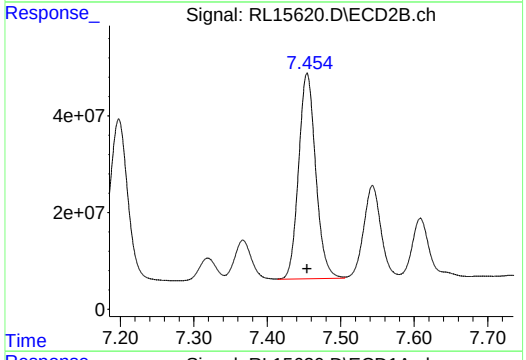
#24 AR1254-A

R.T.: 7.198 min
Delta R.T.: 0.000 min
Response: 579817639
Conc: 115.01 PPB



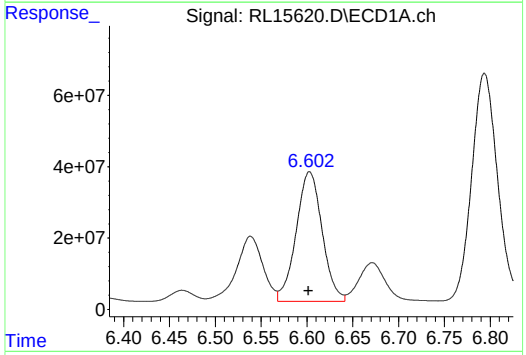
#25 AR1254-B

R.T.: 6.203 min
Delta R.T.: 0.000 min
Response: 1204087095
Conc: 111.75 PPB



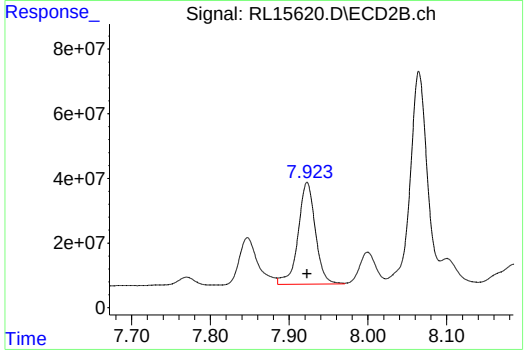
#25 AR1254-B

R.T.: 7.454 min
Delta R.T.: 0.000 min
Response: 689803082
Conc: 125.22 PPB



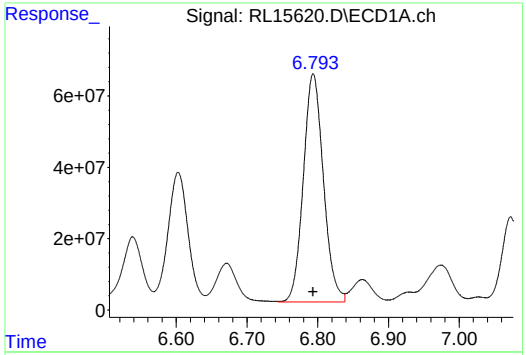
#26 AR1254-C

R.T.: 6.603 min
Delta R.T.: 0.001 min
Response: 717300465
Conc: 127.48 PPB



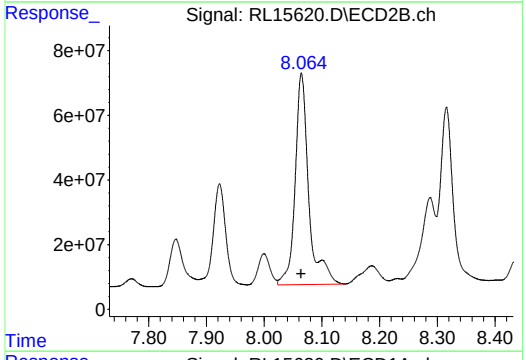
#26 AR1254-C

R.T.: 7.923 min
Delta R.T.: 0.000 min
Response: 480568872
Conc: 112.54 PPB



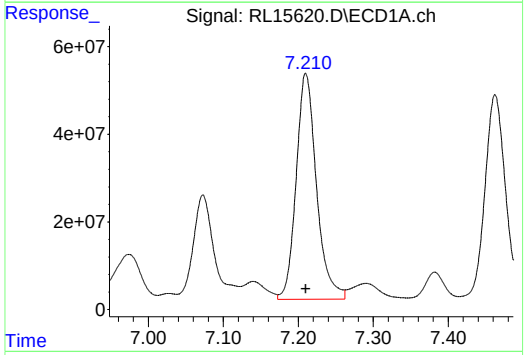
#27 AR1254-D

R.T.: 6.794 min
Delta R.T.: 0.000 min
Response: 1260391457
Conc: 117.48 PPB



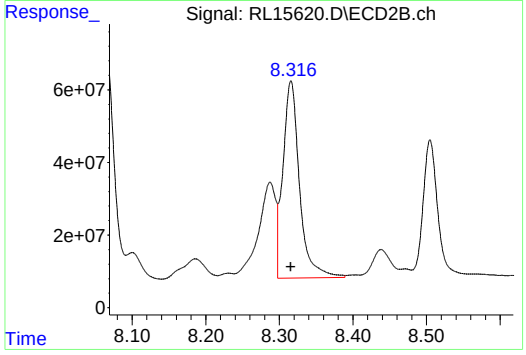
#27 AR1254-D

R.T.: 8.065 min
Delta R.T.: 0.000 min
Response: 1072751334
Conc: 116.87 PPB



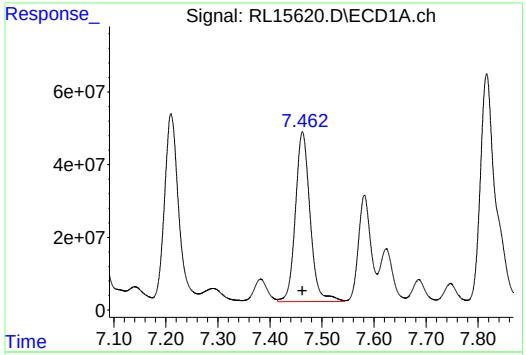
#28 AR1254-E

R.T.: 7.210 min
Delta R.T.: 0.000 min
Response: 972639241
Conc: 134.73 PPB



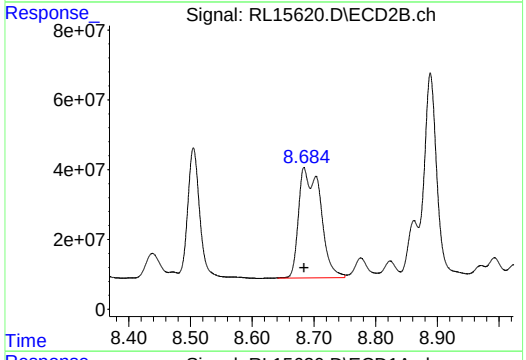
#28 AR1254-E

R.T.: 8.316 min
Delta R.T.: 0.000 min
Response: 853682253
Conc: 141.23 PPB



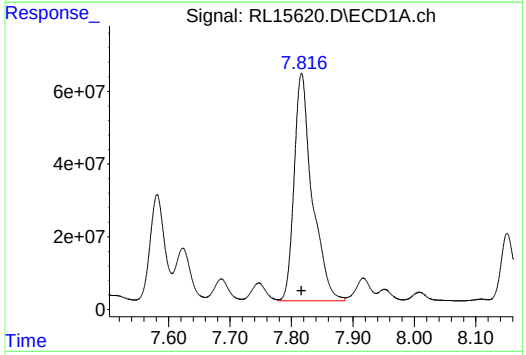
#29 AR1254-F

R.T.: 7.463 min
Delta R.T.: 0.000 min
Response: 913733523
Conc: 136.15 PPB



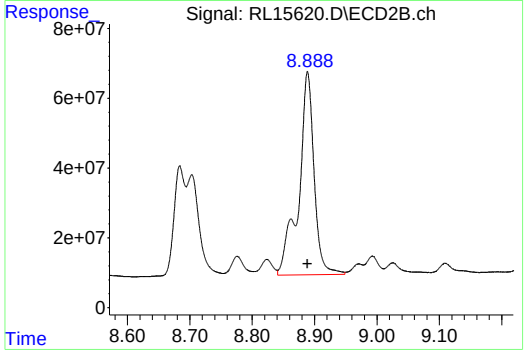
#29 AR1254-F

R.T.: 8.684 min
Delta R.T.: 0.000 min
Response: 776366222
Conc: 118.75 PPB m



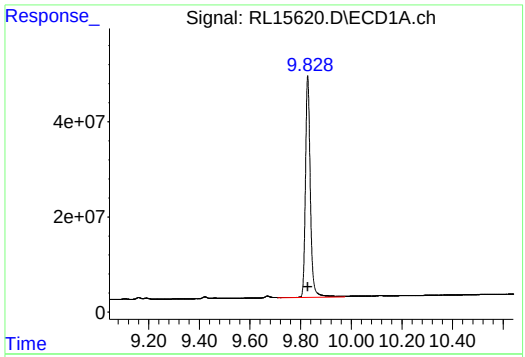
#30 AR1254-G

R.T.: 7.817 min
Delta R.T.: 0.000 min
Response: 1278856446
Conc: 135.15 PPB



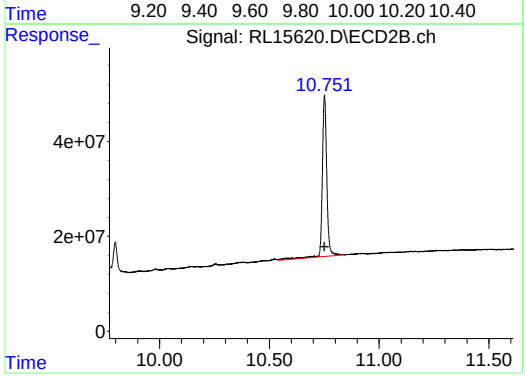
#30 AR1254-G

R.T.: 8.889 min
Delta R.T.: 0.000 min
Response: 994998445
Conc: 153.87 PPB



#51 Decachlorobiphenyl

R.T.: 9.828 min
Delta R.T.: 0.000 min
Response: 620229964
Conc: 5.47 ppb



#51 Decachlorobiphenyl

R.T.: 10.751 min
Delta R.T.: 0.000 min
Response: 481596916
Conc: 5.15 ppb

Manual Integrations APPROVED
(compounds with "m" flag)
Rebecca Krug
04/29/24 20:59

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\grl343\
Data File : RL15621.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2024 05:55 am
Operator : christp
Sample : ic343-100
Misc : op54010,grl343,5.1,,,10,1
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 07:08:57 2024
Quant Method : C:\msdchem\1\methods\pcblvigcrl343a.m
Quant Title :
QLast Update : Mon Apr 29 07:08:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) S	Tetrachlo...	3.924	4.335	860.4E6	571.5E6	4.434	3.984
	Spiked Amount 40.000			Recovery	=	11.09%	9.96%
51) S	Decachlor...	9.830	10.754	587.6E6	431.4E6	5.180	4.609m
	Spiked Amount 40.000			Recovery	=	12.95%	11.52%
	Target Compounds						
7)	AR1232-A	4.223	4.788	532.2E6	308.2E6	148.420	113.377
8)	AR1232-B	4.523	5.180	354.0E6	233.9E6	131.257	102.006
9)	AR1232-C	4.923	5.691	739.9E6	514.6E6	126.984	112.898m
10)	AR1232-D	5.045	5.860	288.0E6	193.3E6	124.489	108.692
11)	AR1232-E	5.446	6.521	259.7E6	139.1E6	116.894	108.310

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

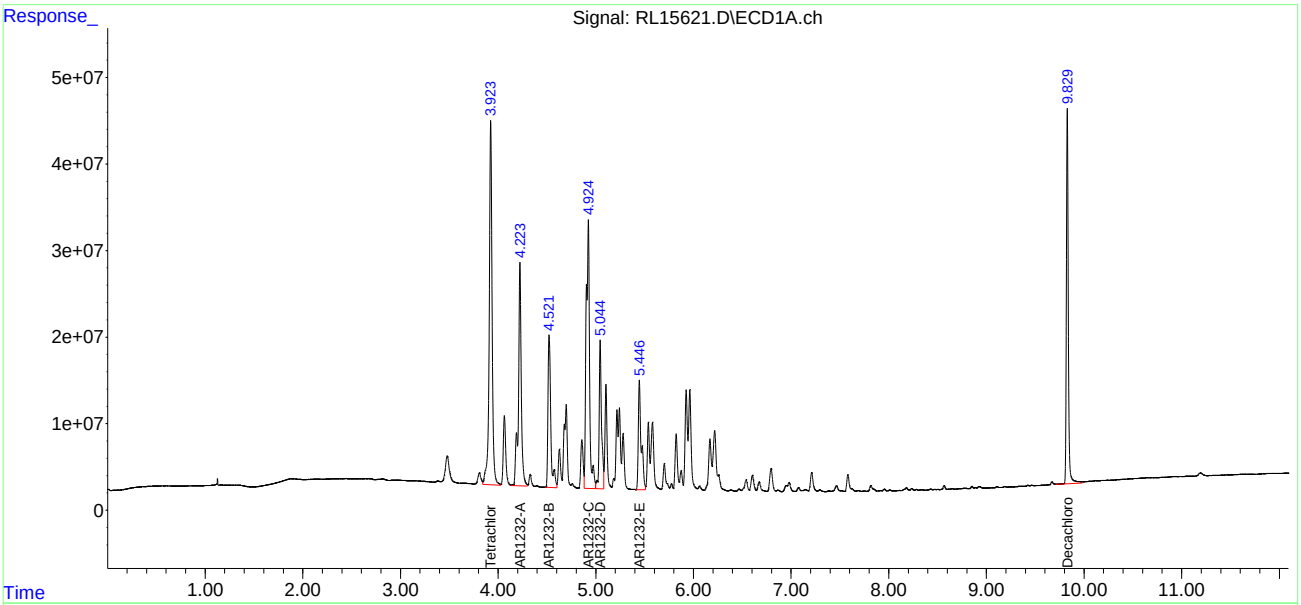
11.3.7 11

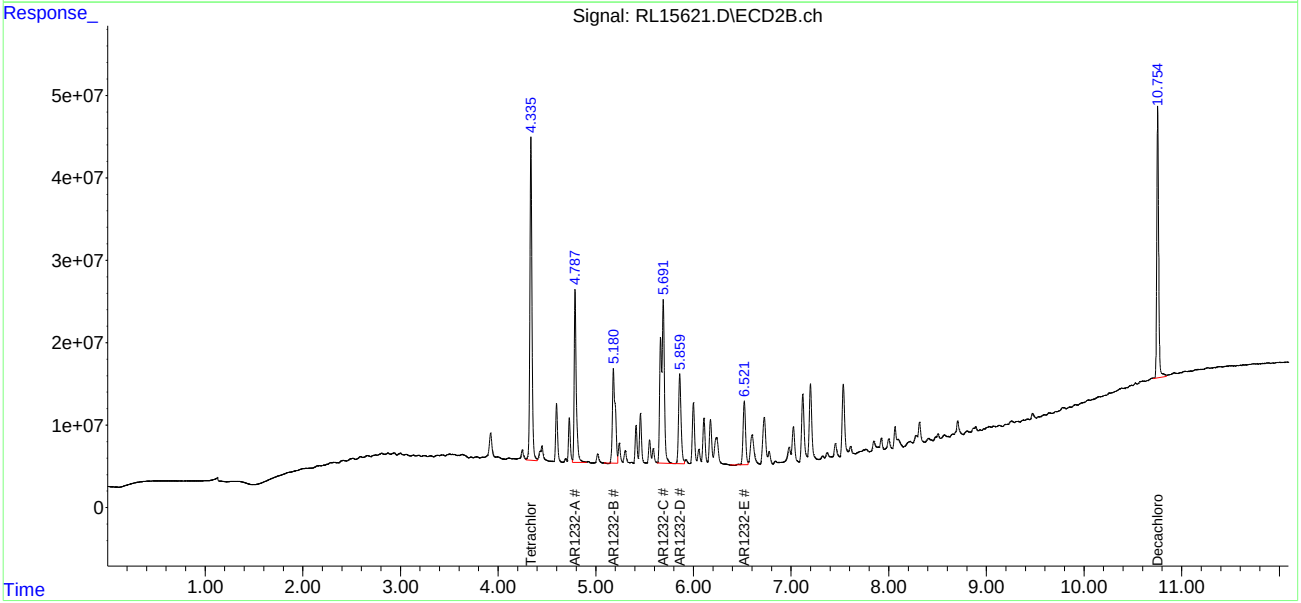
Quantitation Report (QT Reviewed)

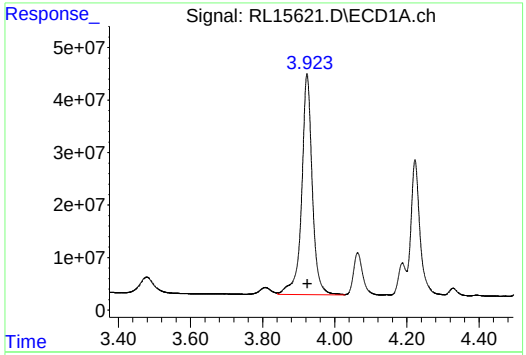
Data Path : C:\msdchem\1\data\grl343\
Data File : RL15621.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2024 05:55 am
Operator : christp
Sample : ic343-100
Misc : op54010,grl343,5.1,,,10,1
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 07:08:57 2024
Quant Method : C:\msdchem\1\methods\pcblvigcrl343a.m
Quant Title :
QLast Update : Mon Apr 29 07:08:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

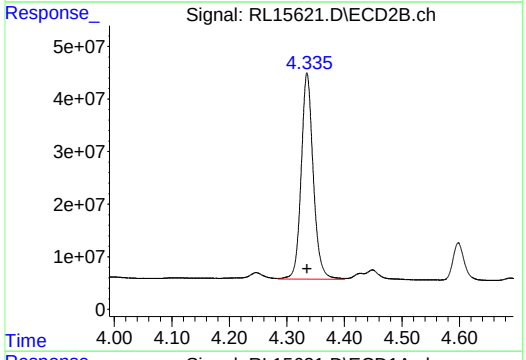






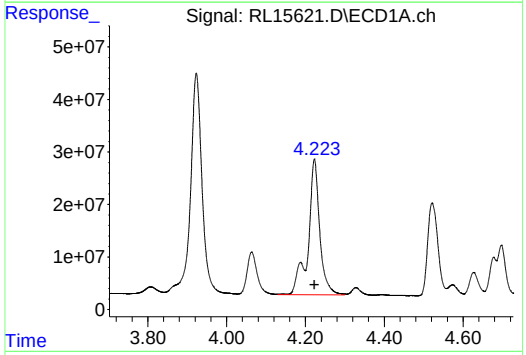
#1 Tetrachloro-m-xylene

R.T.: 3.924 min
Delta R.T.: 0.000 min
Response: 860437759
Conc: 4.43 ppb



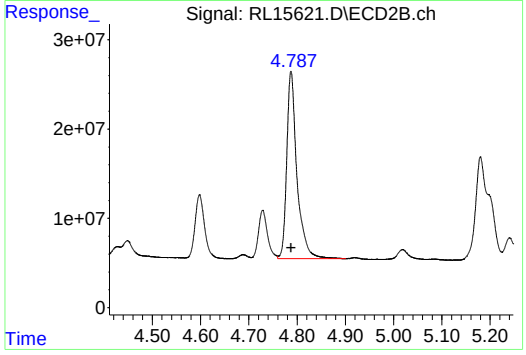
#1 Tetrachloro-m-xylene

R.T.: 4.335 min
Delta R.T.: 0.000 min
Response: 571465063
Conc: 3.98 ppb



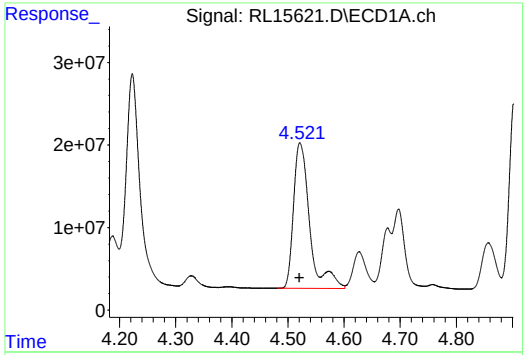
#7 AR1232-A

R.T.: 4.223 min
Delta R.T.: 0.000 min
Response: 532192037
Conc: 148.42 PPB



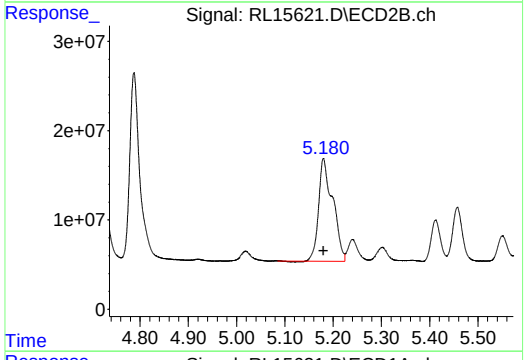
#7 AR1232-A

R.T.: 4.788 min
Delta R.T.: 0.000 min
Response: 308206942
Conc: 113.38 PPB



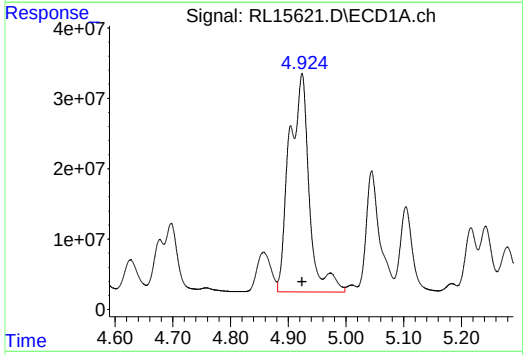
#8 AR1232-B

R.T.: 4.523 min
Delta R.T.: 0.002 min
Response: 354040331
Conc: 131.26 PPB



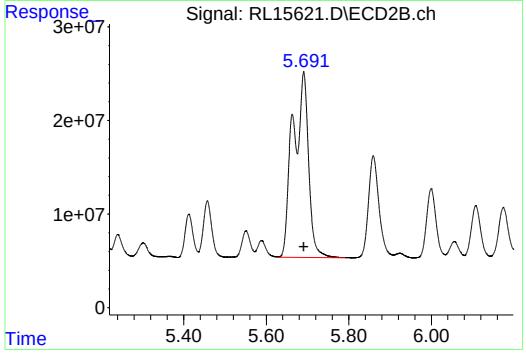
#8 AR1232-B

R.T.: 5.180 min
Delta R.T.: 0.000 min
Response: 233873470
Conc: 102.01 PPB



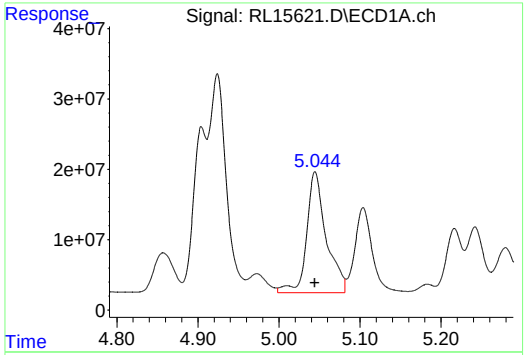
#9 AR1232-C

R.T.: 4.923 min
Delta R.T.: -0.001 min
Response: 739914457
Conc: 126.98 PPB



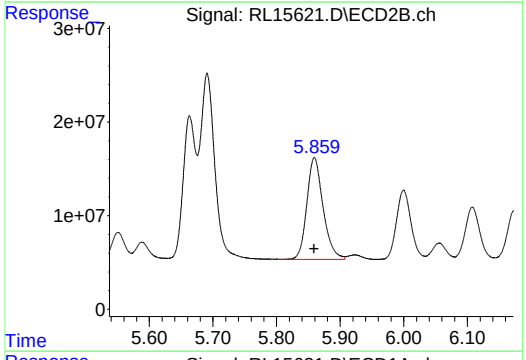
#9 AR1232-C

R.T.: 5.691 min
Delta R.T.: 0.000 min
Response: 514592262
Conc: 112.90 PPB m



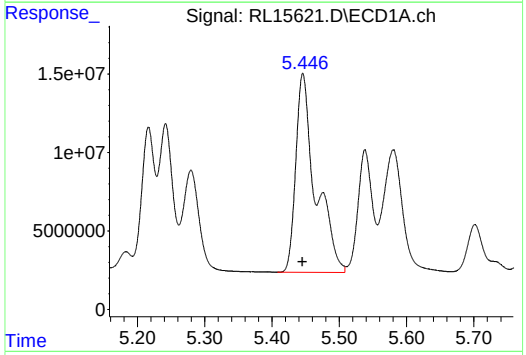
#10 AR1232-D

R.T.: 5.045 min
Delta R.T.: 0.000 min
Response: 288048747
Conc: 124.49 PPB



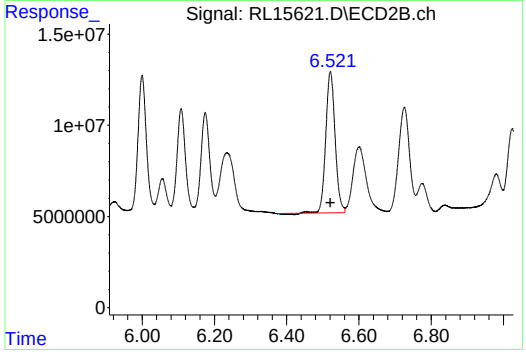
#10 AR1232-D

R.T.: 5.860 min
Delta R.T.: 0.000 min
Response: 193290324
Conc: 108.69 PPB



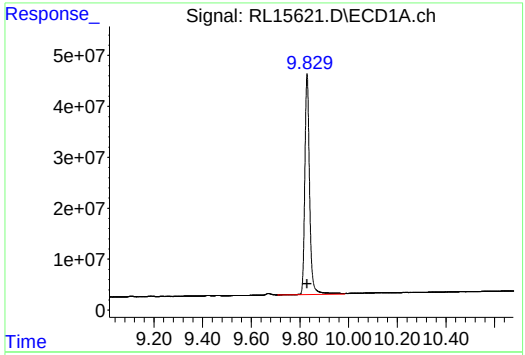
#11 AR1232-E

R.T.: 5.446 min
Delta R.T.: 0.000 min
Response: 259698875
Conc: 116.89 PPB



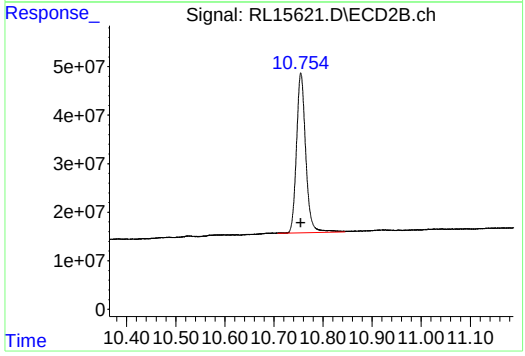
#11 AR1232-E

R.T.: 6.521 min
Delta R.T.: 0.000 min
Response: 139082532
Conc: 108.31 PPB



#51 Decachlorobiphenyl

R.T.: 9.830 min
Delta R.T.: 0.000 min
Response: 587550680
Conc: 5.18 ppb



#51 Decachlorobiphenyl

R.T.: 10.754 min
Delta R.T.: 0.000 min
Response: 431367630
Conc: 4.61 ppb m

Manual Integrations
APPROVED
(compounds with "m" flag)
Rebecca Krug
04/29/24 20:59

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\grl343\
Data File : RL15622.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2024 06:12 am
Operator : christp
Sample : ic343-100
Misc : op54010,grl343,5.1,,,10,1
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 07:10:29 2024
Quant Method : C:\msdchem\1\methods\pcblvigcrl343a.m
Quant Title :
QLast Update : Mon Apr 29 07:10:24 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) S	Tetrachlo...	3.924	4.335	792.7E6	564.4E6	4.085	3.935
	Spiked Amount 40.000			Recovery	=	10.21%	9.84%
51) S	Decachlor...	9.833	10.762	576.7E6	430.1E6	5.085m	4.596
	Spiked Amount 40.000			Recovery	=	12.71%	11.49%
	Target Compounds						
31)	AR1262-A	7.460	8.507	1078.3E6	863.3E6	140.929	162.162
32)	AR1262-B	7.954	8.972	1456.4E6	1263.4E6	154.853	174.330
33)	AR1262-C	8.235	9.261	1173.8E6	980.3E6	141.256	142.066
34)	AR1262-D	8.568	9.472	2751.4E6	2085.9E6	156.370	151.053
35)	AR1262-E	8.884	9.787	2863.9E6	2188.0E6	153.233m	145.811m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

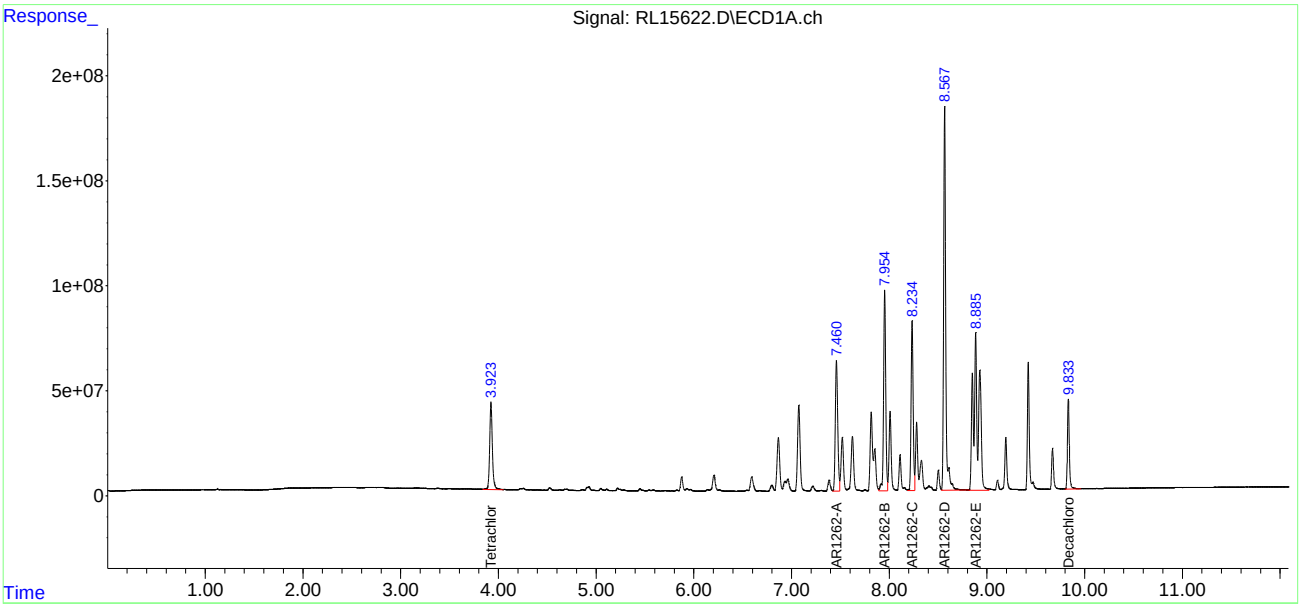
11.3.8 11

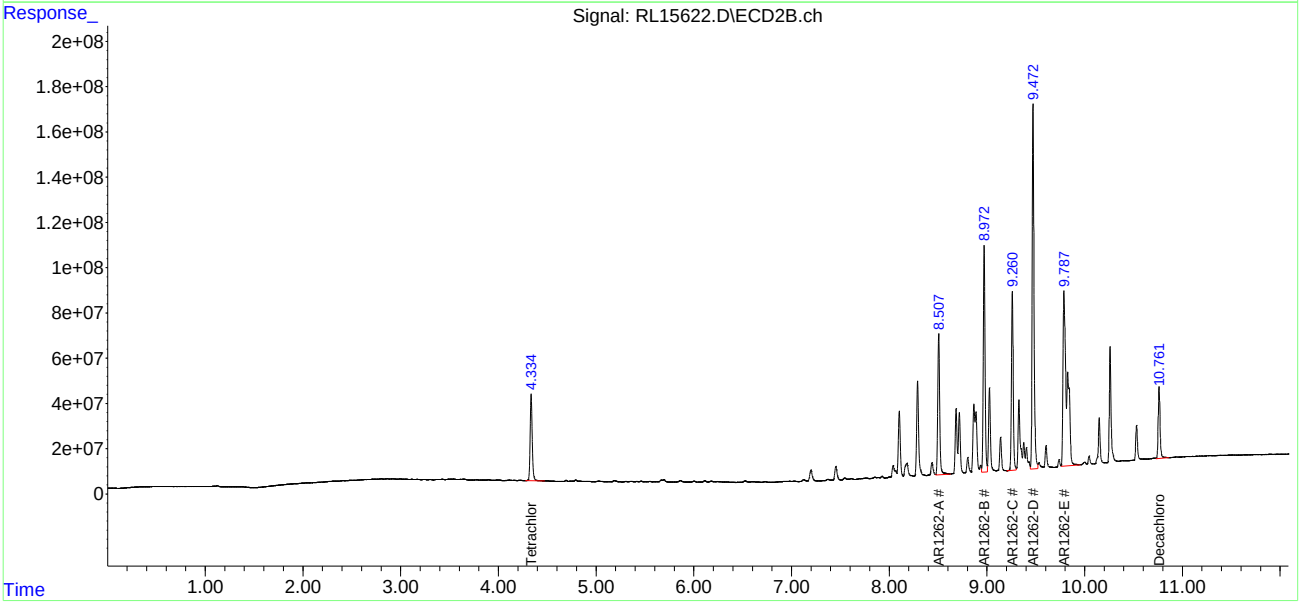
Quantitation Report (QT Reviewed)

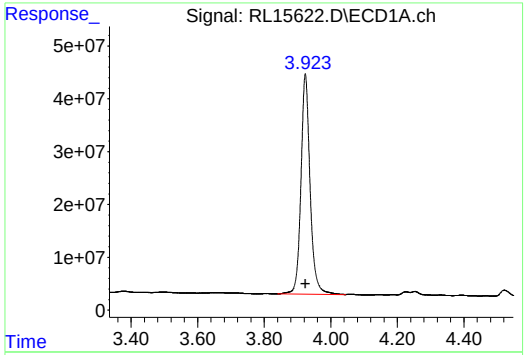
Data Path : C:\msdchem\1\data\grl343\
Data File : RL15622.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2024 06:12 am
Operator : christp
Sample : ic343-100
Misc : op54010,grl343,5.1,,,10,1
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 07:10:29 2024
Quant Method : C:\msdchem\1\methods\pcblvigcrl343a.m
Quant Title :
QLast Update : Mon Apr 29 07:10:24 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

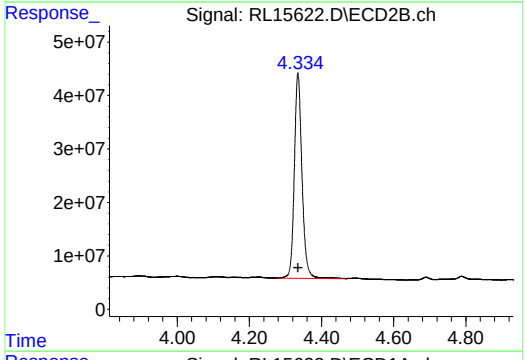






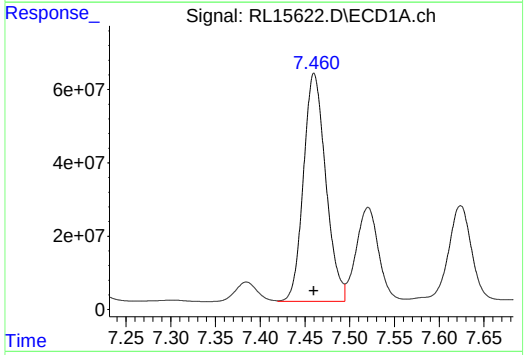
#1 Tetrachloro-m-xylene

R.T.: 3.924 min
Delta R.T.: 0.000 min
Response: 792695444
Conc: 4.08 ppb



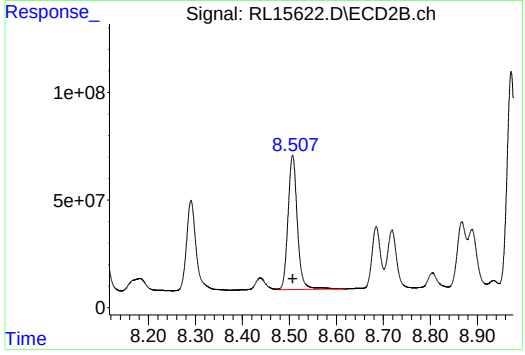
#1 Tetrachloro-m-xylene

R.T.: 4.335 min
Delta R.T.: 0.000 min
Response: 564414143
Conc: 3.94 ppb



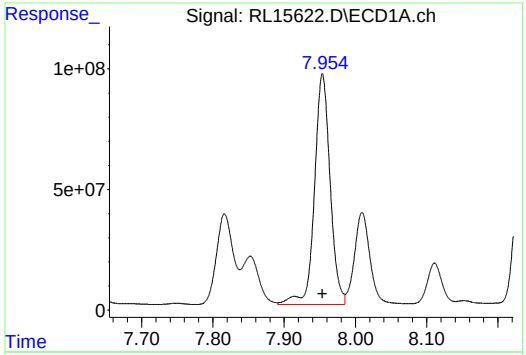
#31 AR1262-A

R.T.: 7.460 min
Delta R.T.: 0.000 min
Response: 1078310297
Conc: 140.93 PPB



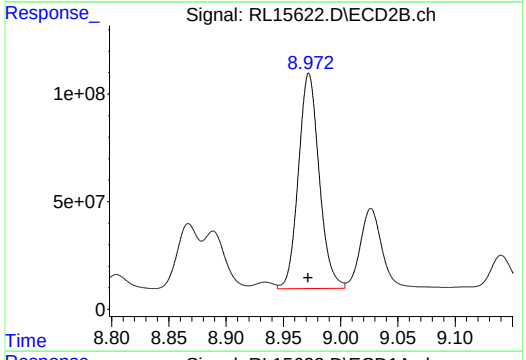
#31 AR1262-A

R.T.: 8.507 min
Delta R.T.: 0.000 min
Response: 863273518
Conc: 162.16 PPB



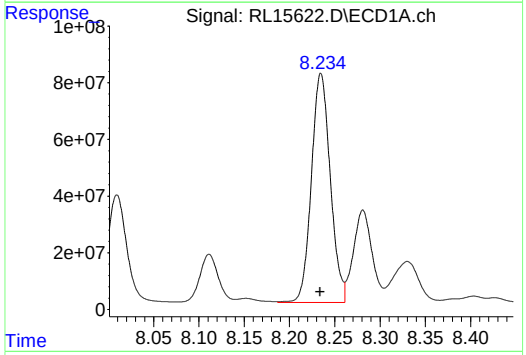
#32 AR1262-B

R.T.: 7.954 min
Delta R.T.: 0.000 min
Response: 1456443082
Conc: 154.85 PPB



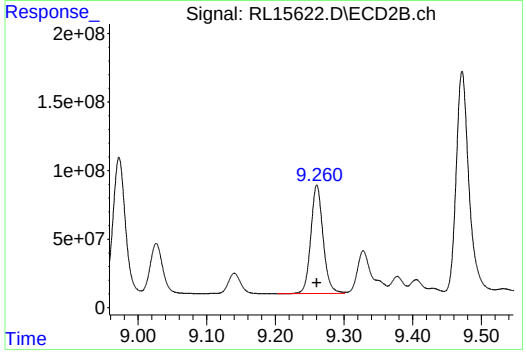
#32 AR1262-B

R.T.: 8.972 min
Delta R.T.: 0.000 min
Response: 1263406248
Conc: 174.33 PPB



#33 AR1262-C

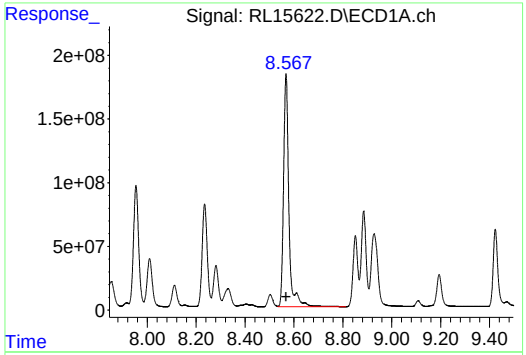
R.T.: 8.235 min
Delta R.T.: 0.000 min
Response: 1173772453
Conc: 141.26 PPB



#33 AR1262-C

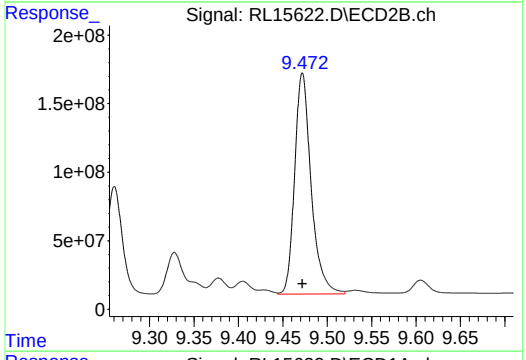
R.T.: 9.261 min
Delta R.T.: 0.000 min
Response: 980298667
Conc: 142.07 PPB

11.3.8 11



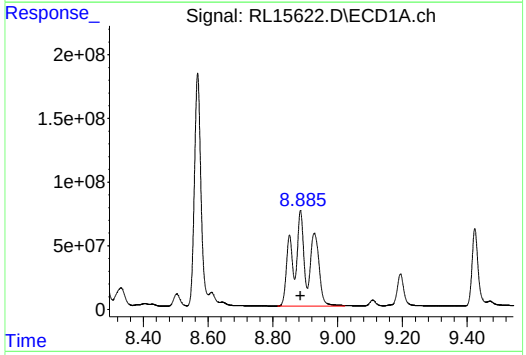
#34 AR1262-D

R.T.: 8.568 min
Delta R.T.: 0.000 min
Response: 2751409796
Conc: 156.37 PPB



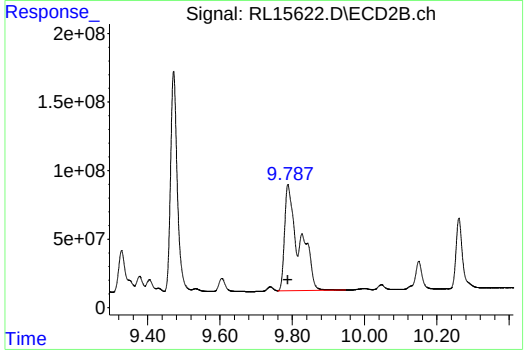
#34 AR1262-D

R.T.: 9.472 min
Delta R.T.: 0.000 min
Response: 2085933396
Conc: 151.05 PPB



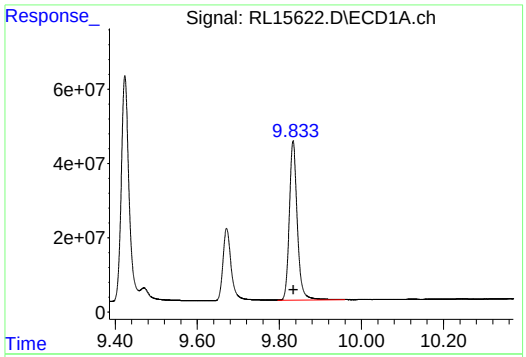
#35 AR1262-E

R.T.: 8.884 min
Delta R.T.: 0.000 min
Response: 2863874103
Conc: 153.23 PPB m



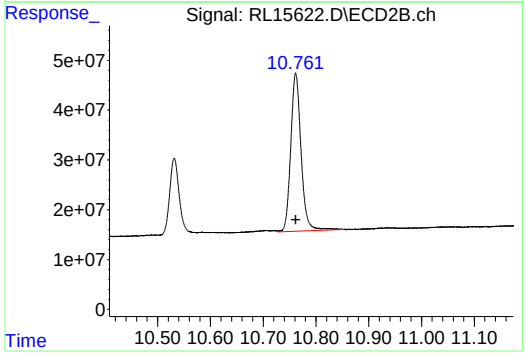
#35 AR1262-E

R.T.: 9.787 min
Delta R.T.: 0.000 min
Response: 2188042482
Conc: 145.81 PPB m



#51 Decachlorobiphenyl

R.T.: 9.833 min
Delta R.T.: 0.000 min
Response: 576745895
Conc: 5.08 ppb m



#51 Decachlorobiphenyl

R.T.: 10.762 min
Delta R.T.: 0.000 min
Response: 430090840
Conc: 4.60 ppb

Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug
04/29/24 20:59

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\grl343\
Data File : RL15623.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2024 06:28 am
Operator : christp
Sample : ic343-100
Misc : op54010,grl343,5.1,,,10,1
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 07:12:16 2024
Quant Method : C:\msdchem\1\methods\pcblvigcrl343a.m
Quant Title :
QLast Update : Mon Apr 29 07:12:11 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1)	S Tetrachlo...	3.923	4.335	849.8E6	574.0E6	4.379	4.002
	Spiked Amount 40.000			Recovery	=	10.95%	10.01%
51)	S Decachlor...	9.832	10.761	584.4E6	454.8E6	5.152	4.860
	Spiked Amount 40.000			Recovery	=	12.88%	12.15%
	Target Compounds						
12)	AR1242-A	4.522	5.182	618.0E6	426.0E6	1274.758	108.977 #
13)	AR1242-B	4.924	5.692	1311.9E6	986.0E6	123.398	117.576m
14)	AR1242-C	5.045	5.861	523.5E6	359.3E6	123.887	111.659
15)	AR1242-D	5.447	6.521	395.4E6	294.2E6	89.278	113.198 #
16)	AR1242-E	5.963	7.199	447.4E6	357.1E6	125.701	114.207

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

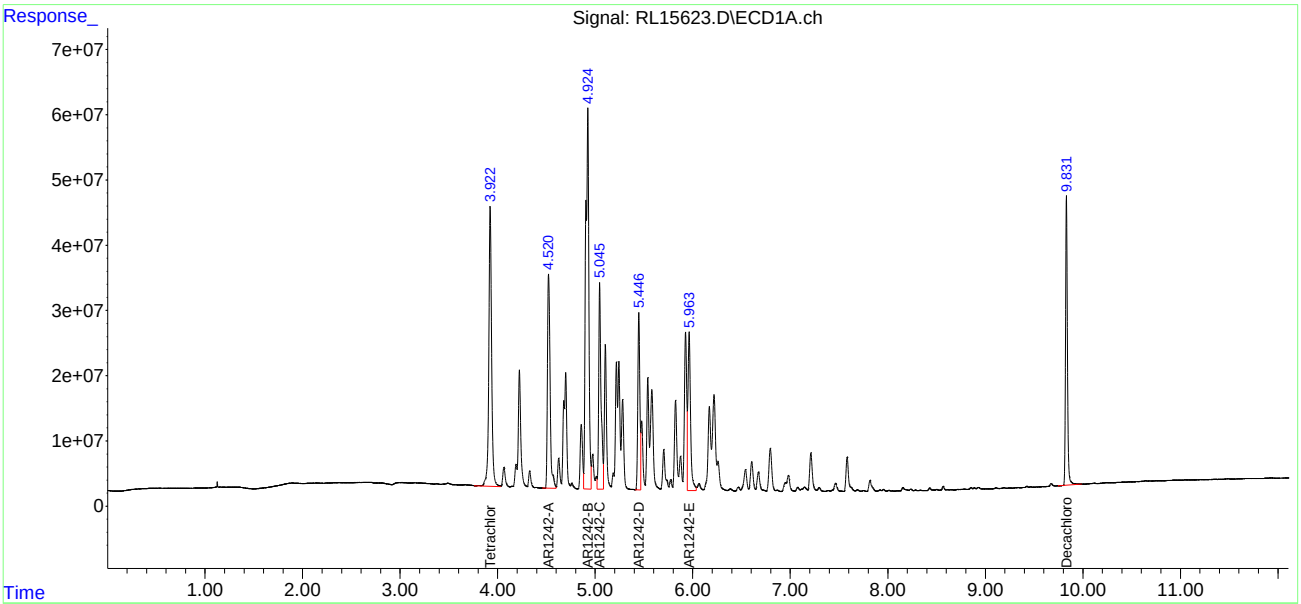
11.3.9 11

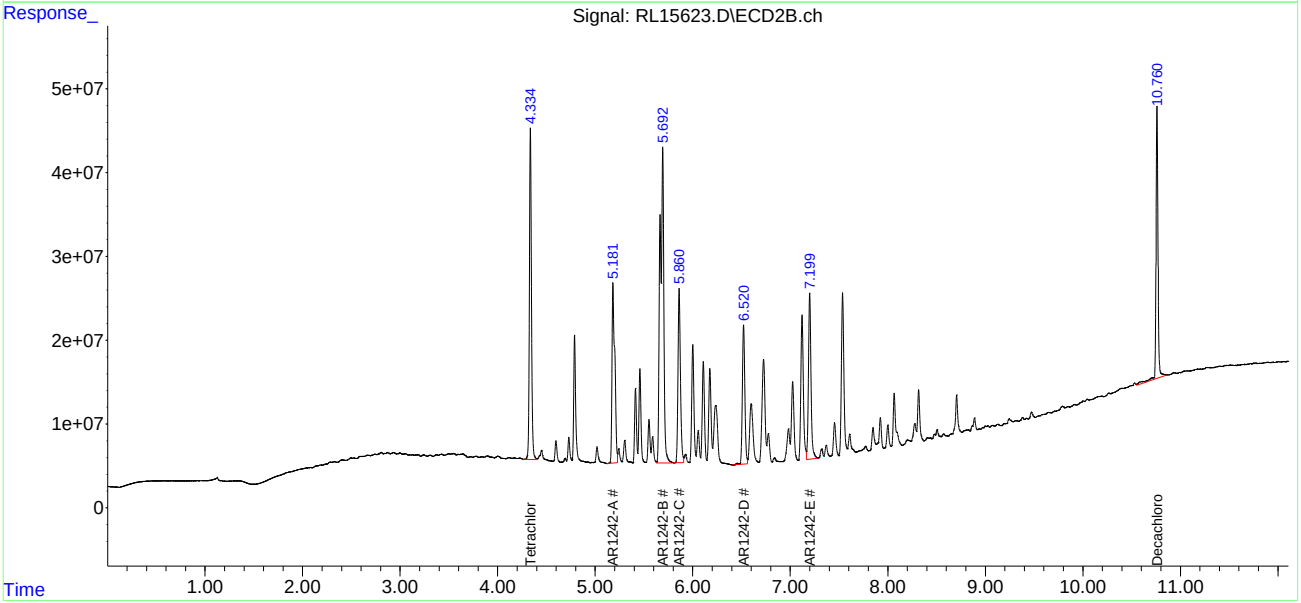
Quantitation Report (QT Reviewed)

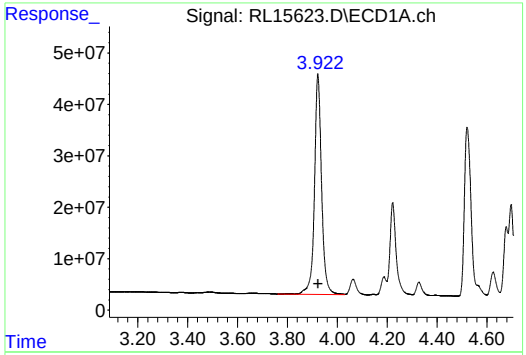
Data Path : C:\msdchem\1\data\grl343\
Data File : RL15623.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2024 06:28 am
Operator : christp
Sample : ic343-100
Misc : op54010,grl343,5.1,,,10,1
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 07:12:16 2024
Quant Method : C:\msdchem\1\methods\pcblvigcrl343a.m
Quant Title :
QLast Update : Mon Apr 29 07:12:11 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

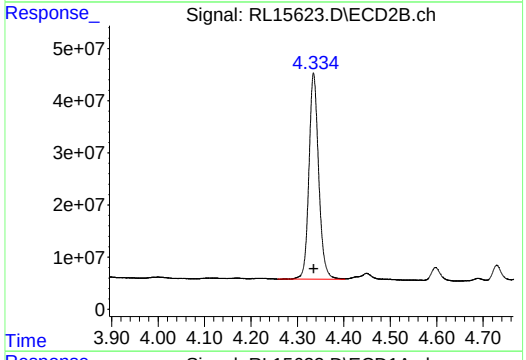






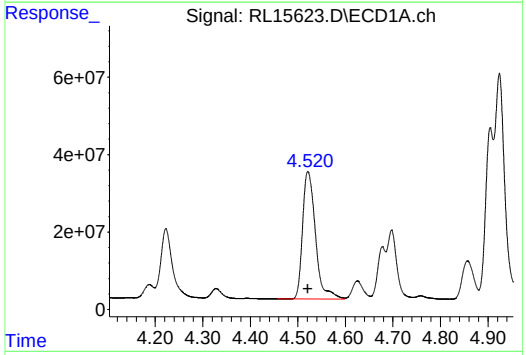
#1 Tetrachloro-m-xylene

R.T.: 3.923 min
Delta R.T.: 0.000 min
Response: 849811103
Conc: 4.38 ppb



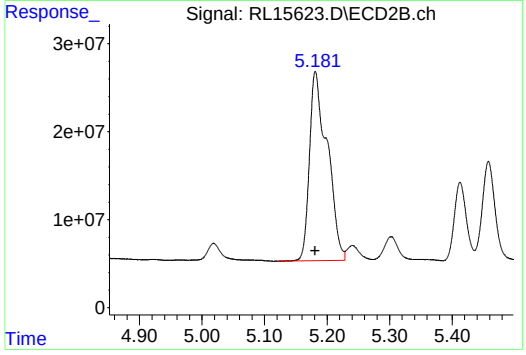
#1 Tetrachloro-m-xylene

R.T.: 4.335 min
Delta R.T.: 0.000 min
Response: 574005186
Conc: 4.00 ppb



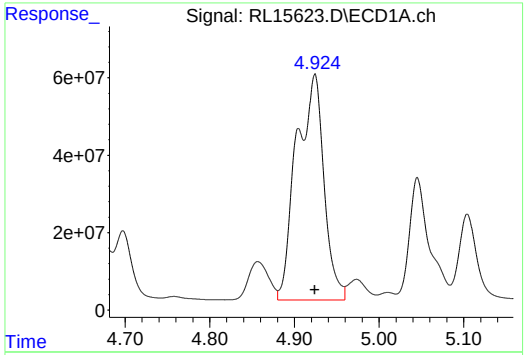
#12 AR1242-A

R.T.: 4.522 min
Delta R.T.: 0.001 min
Response: 618000386
Conc: 1274.76 PPB



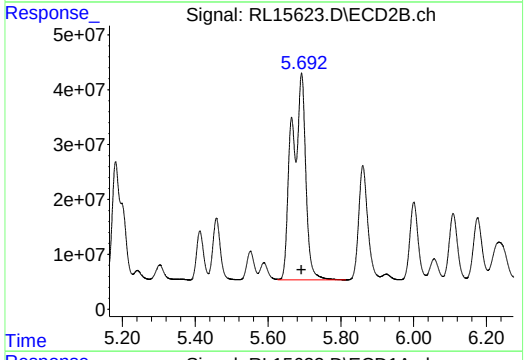
#12 AR1242-A

R.T.: 5.182 min
Delta R.T.: 0.000 min
Response: 425963145
Conc: 108.98 PPB



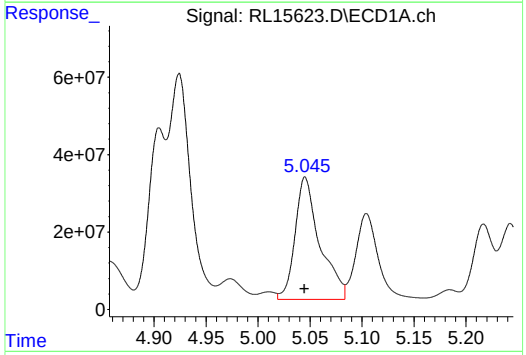
#13 AR1242-B

R.T.: 4.924 min
Delta R.T.: 0.000 min
Response: 1311882302
Conc: 123.40 PPB



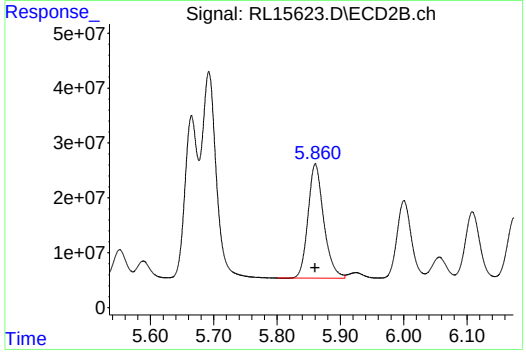
#13 AR1242-B

R.T.: 5.692 min
Delta R.T.: 0.000 min
Response: 986041777
Conc: 117.58 PPB m



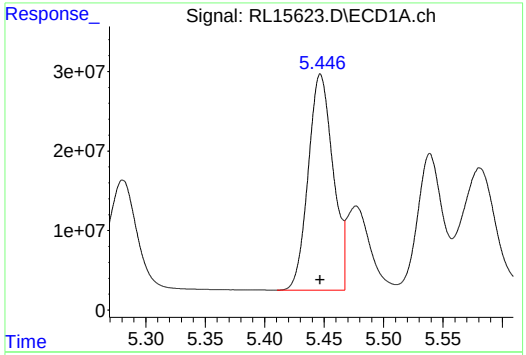
#14 AR1242-C

R.T.: 5.045 min
Delta R.T.: 0.000 min
Response: 523454257
Conc: 123.89 PPB



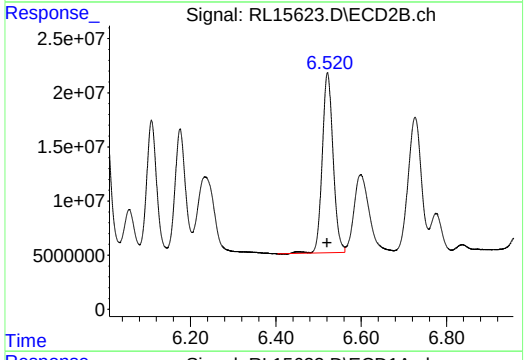
#14 AR1242-C

R.T.: 5.861 min
Delta R.T.: 0.000 min
Response: 359302954
Conc: 111.66 PPB



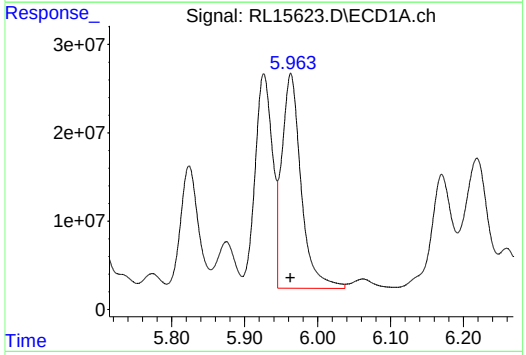
#15 AR1242-D

R.T.: 5.447 min
Delta R.T.: 0.000 min
Response: 395418810
Conc: 89.28 PPB



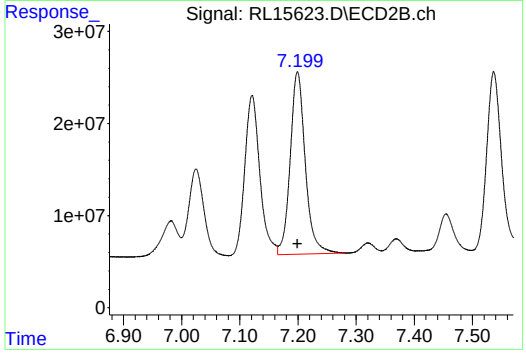
#15 AR1242-D

R.T.: 6.521 min
Delta R.T.: 0.000 min
Response: 294226316
Conc: 113.20 PPB



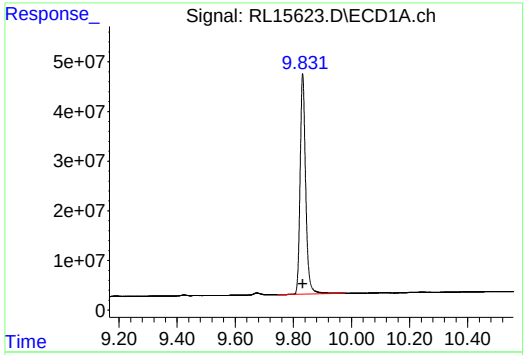
#16 AR1242-E

R.T.: 5.963 min
Delta R.T.: 0.000 min
Response: 447384728
Conc: 125.70 PPB



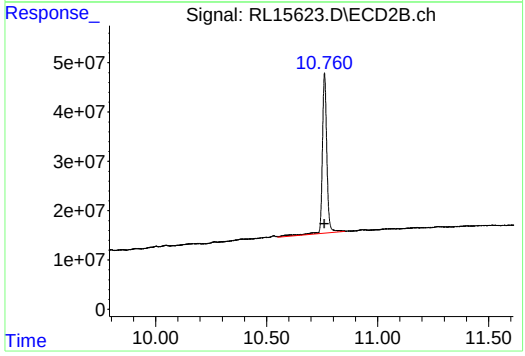
#16 AR1242-E

R.T.: 7.199 min
Delta R.T.: 0.000 min
Response: 357108128
Conc: 114.21 PPB



#51 Decachlorobiphenyl

R.T.: 9.832 min
Delta R.T.: 0.000 min
Response: 584381873
Conc: 5.15 ppb



#51 Decachlorobiphenyl

R.T.: 10.761 min
Delta R.T.: 0.000 min
Response: 454831226
Conc: 4.86 ppb

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\grl343\
Data File : RL15624.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2024 06:45 am
Operator : christp
Sample : ic343-100
Misc : op54010,grl343,5.1,,,10,1
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 07:13:51 2024
Quant Method : C:\msdchem\1\methods\pcblvigcrl343a.m
Quant Title :
QLast Update : Mon Apr 29 07:13:44 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) S	Tetrachlo...	3.923	4.336	934.5E6	645.2E6	4.816	4.498
	Spiked Amount 40.000			Recovery	=	12.04%	11.25%
51) S	Decachlor...	9.834	10.765	1880.1E6	1392.7E6	16.576	14.882
	Spiked Amount 40.000			Recovery	=	41.44%	37.20%
	Target Compounds						
36)	AR1268-A	8.886	9.788	3105.3E6	2504.8E6	170.210	159.894
37)	AR1268-B	8.924	9.828	2878.6E6	2163.4E6	153.347	142.394
38)	AR1268-C	9.108	10.047	2301.8E6	1755.9E6	155.596	142.485
39)	AR1268-D	9.424	10.262	976.8E6	738.4E6	162.556	146.045
40)	AR1268-E	9.673	10.534	6917.6E6	5254.8E6	161.627	133.060

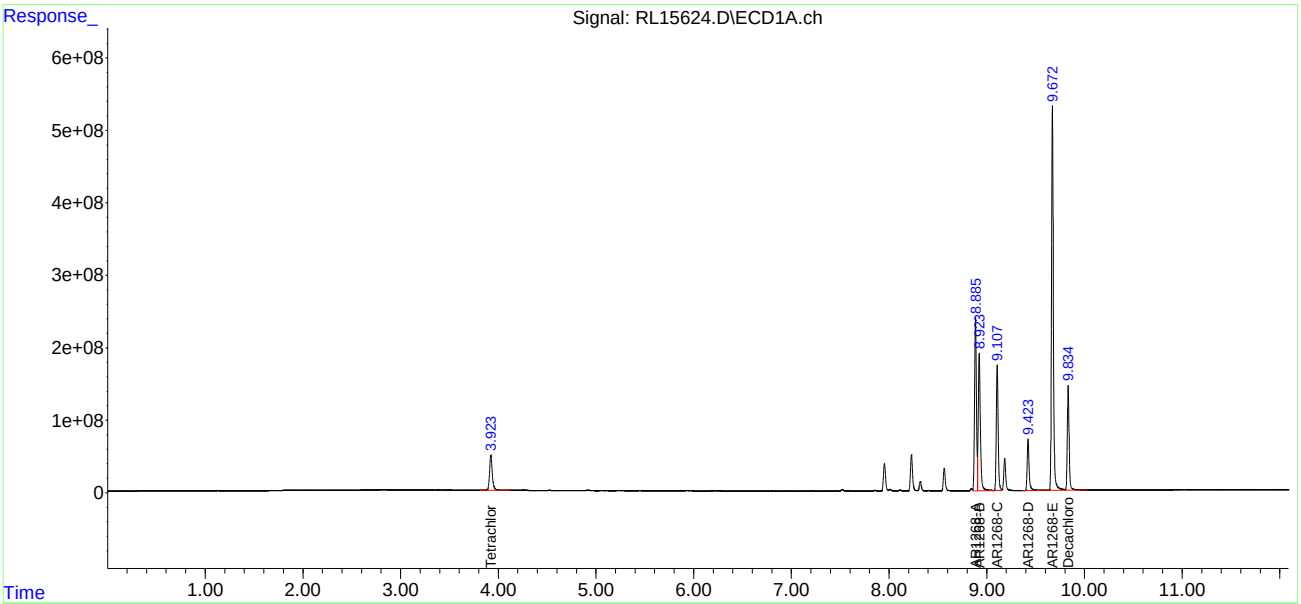
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

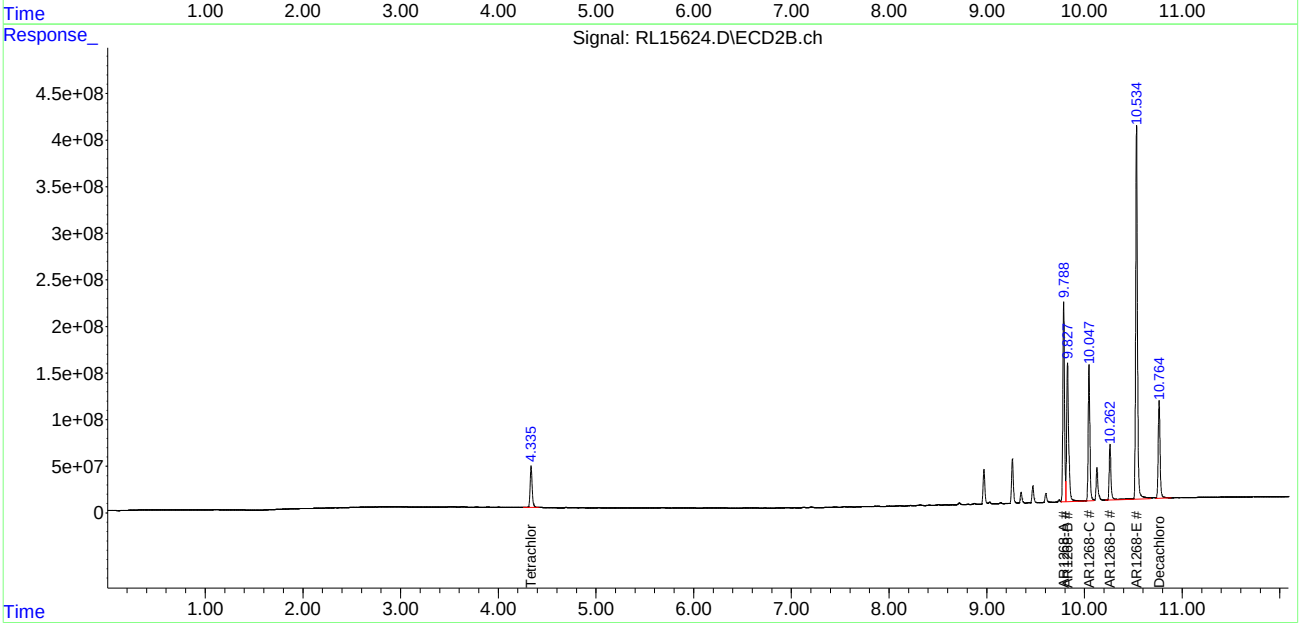
Quantitation Report (QT Reviewed)

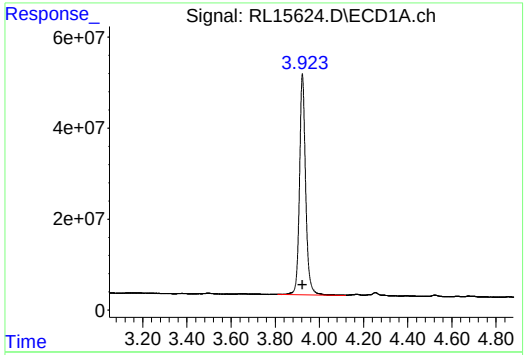
Data Path : C:\msdchem\1\data\grl343\
Data File : RL15624.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2024 06:45 am
Operator : christp
Sample : ic343-100
Misc : op54010,grl343,5.1,,,10,1
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 07:13:51 2024
Quant Method : C:\msdchem\1\methods\pcblvigcrl343a.m
Quant Title :
QLast Update : Mon Apr 29 07:13:44 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

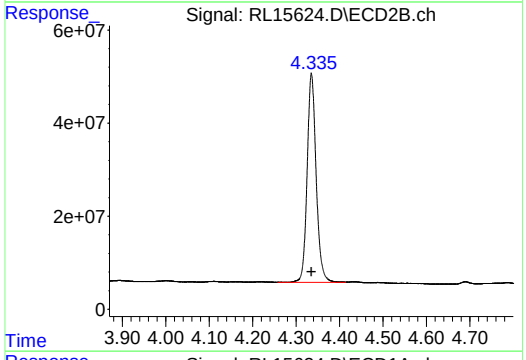






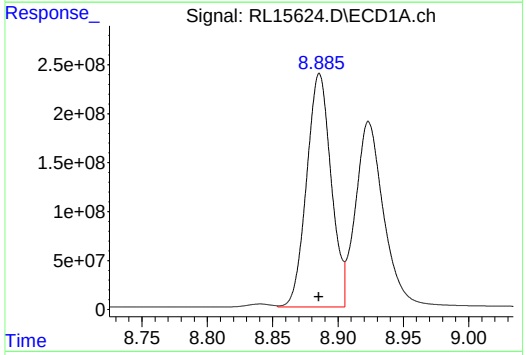
#1 Tetrachloro-m-xylene

R.T.: 3.923 min
Delta R.T.: 0.000 min
Response: 934532101
Conc: 4.82 ppb



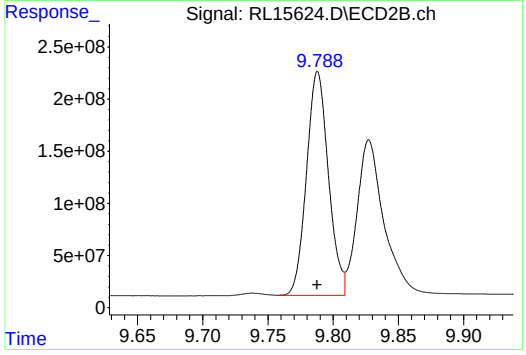
#1 Tetrachloro-m-xylene

R.T.: 4.336 min
Delta R.T.: 0.000 min
Response: 645213250
Conc: 4.50 ppb



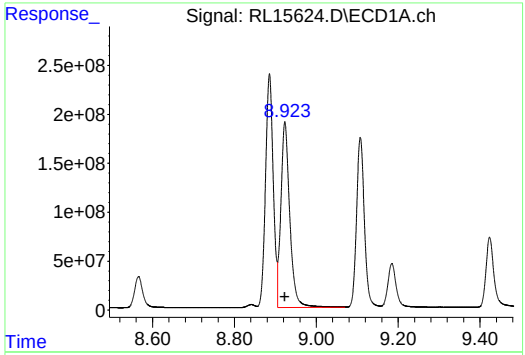
#36 AR1268-A

R.T.: 8.886 min
Delta R.T.: 0.000 min
Response: 3105343773
Conc: 170.21 PPB



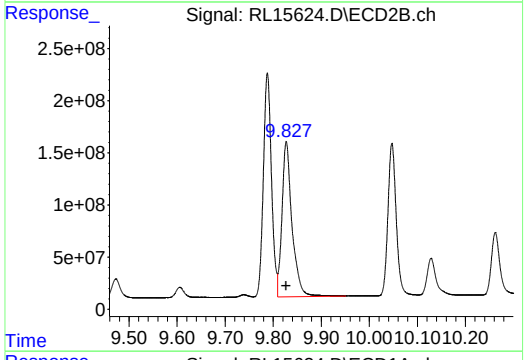
#36 AR1268-A

R.T.: 9.788 min
Delta R.T.: 0.000 min
Response: 2504778260
Conc: 159.89 PPB



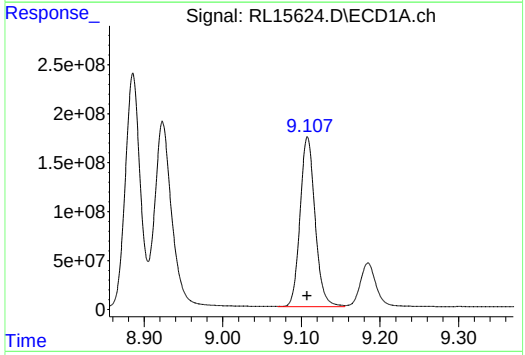
#37 AR1268-B

R.T.: 8.924 min
Delta R.T.: 0.000 min
Response: 2878623935
Conc: 153.35 PPB



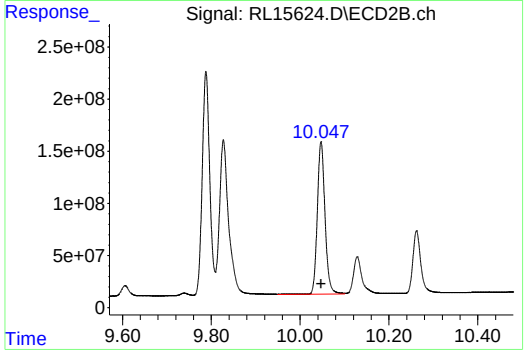
#37 AR1268-B

R.T.: 9.828 min
Delta R.T.: 0.000 min
Response: 2163394968
Conc: 142.39 PPB



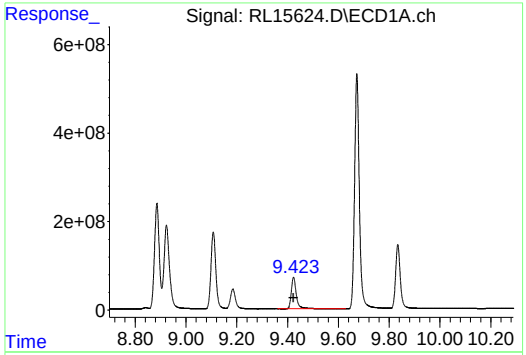
#38 AR1268-C

R.T.: 9.108 min
Delta R.T.: 0.000 min
Response: 2301816520
Conc: 155.60 PPB



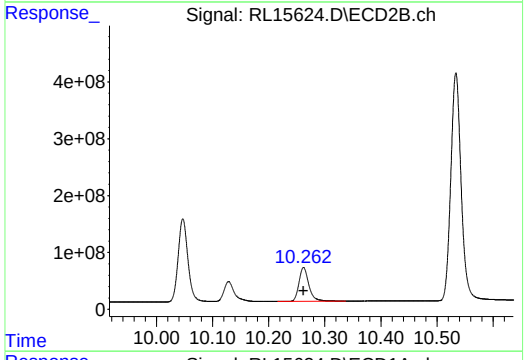
#38 AR1268-C

R.T.: 10.047 min
Delta R.T.: 0.000 min
Response: 1755895709
Conc: 142.49 PPB



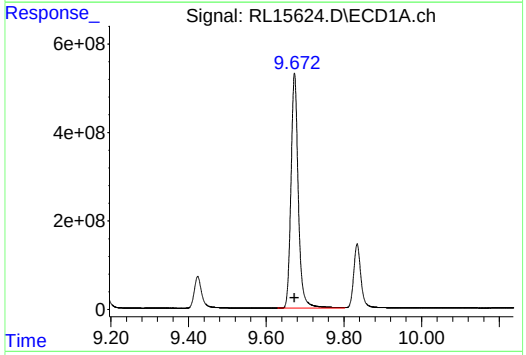
#39 AR1268-D

R.T.: 9.424 min
Delta R.T.: 0.000 min
Response: 976771567
Conc: 162.56 PPB



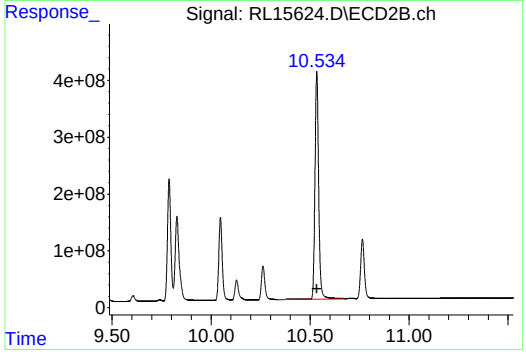
#39 AR1268-D

R.T.: 10.262 min
Delta R.T.: 0.000 min
Response: 738419159
Conc: 146.04 PPB



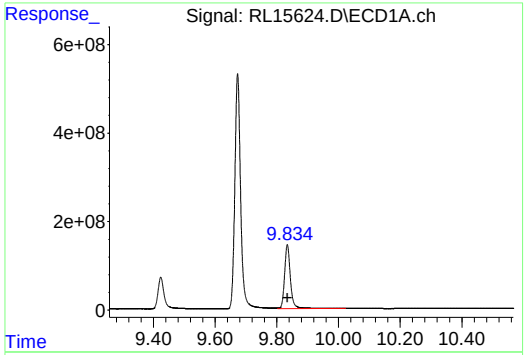
#40 AR1268-E

R.T.: 9.673 min
Delta R.T.: 0.000 min
Response: 6917556210
Conc: 161.63 PPB



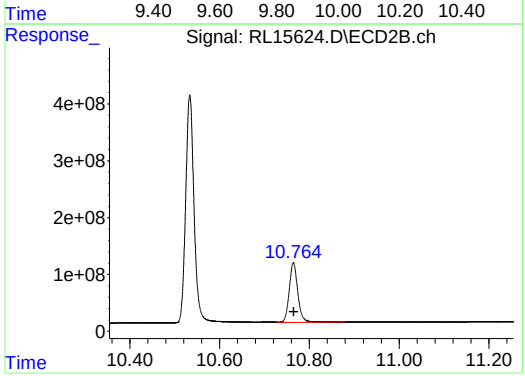
#40 AR1268-E

R.T.: 10.534 min
Delta R.T.: 0.000 min
Response: 5254755466
Conc: 133.06 PPB



#51 Decachlorobiphenyl

R.T.: 9.834 min
Delta R.T.: 0.000 min
Response: 1880125255
Conc: 16.58 ppb



#51 Decachlorobiphenyl

R.T.: 10.765 min
Delta R.T.: 0.000 min
Response: 1392651795
Conc: 14.88 ppb

Manual Integrations APPROVED
(compounds with "m" flag)
Rebecca Krug
04/29/24 20:59

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\grl343\
Data File : RL15625.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2024 07:02 am
Operator : christp
Sample : ic343-100
Misc : op54010,grl343,5.1,,,10,1
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 07:16:04 2024
Quant Method : C:\msdchem\1\methods\pcblvigcrl343a.m
Quant Title :
QLast Update : Mon Apr 29 07:16:00 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) S	Tetrachlo...	3.923	4.335	766.8E6	526.1E6	3.951	3.668
	Spiked Amount 40.000			Recovery	=	9.88%	9.17%
51) S	Decachlor...	9.833	10.762	547.9E6	416.6E6	4.831	4.452
	Spiked Amount 40.000			Recovery	=	12.08%	11.13%
	Target Compounds						
17)	AR1248-A	4.519	5.181	277.6E6	189.1E6	120.145	110.020
18)	AR1248-B	4.923	5.663	794.6E6	579.8E6	125.026m	114.690m
19)	AR1248-C	5.216	6.108	476.9E6	360.8E6	48.822	114.627 #
20)	AR1248-D	5.538	6.521	419.8E6	478.5E6	62.364	116.545 #
21)	AR1248-E	5.823	6.725	375.7E6	434.7E6	113.005	117.565
22)	AR1248-F	5.963	7.198	742.2E6	646.8E6	64.234	117.829 #
23)	AR1248-G	6.215	7.536	623.7E6	589.5E6	99.125	113.817

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

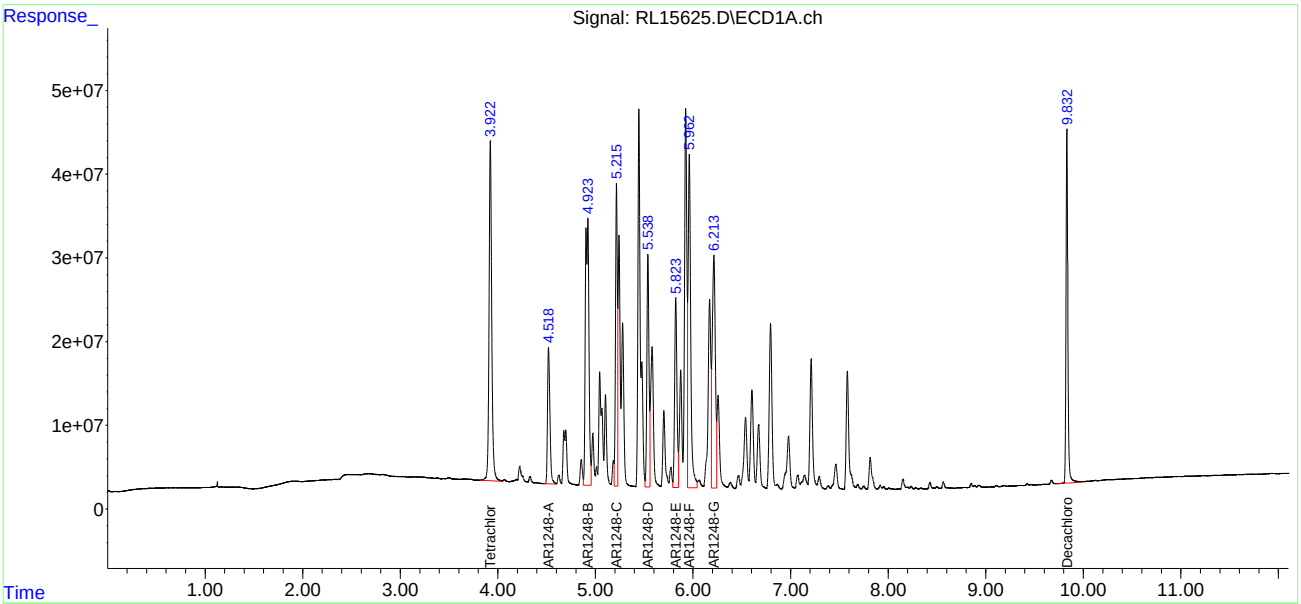
11.3.11
11

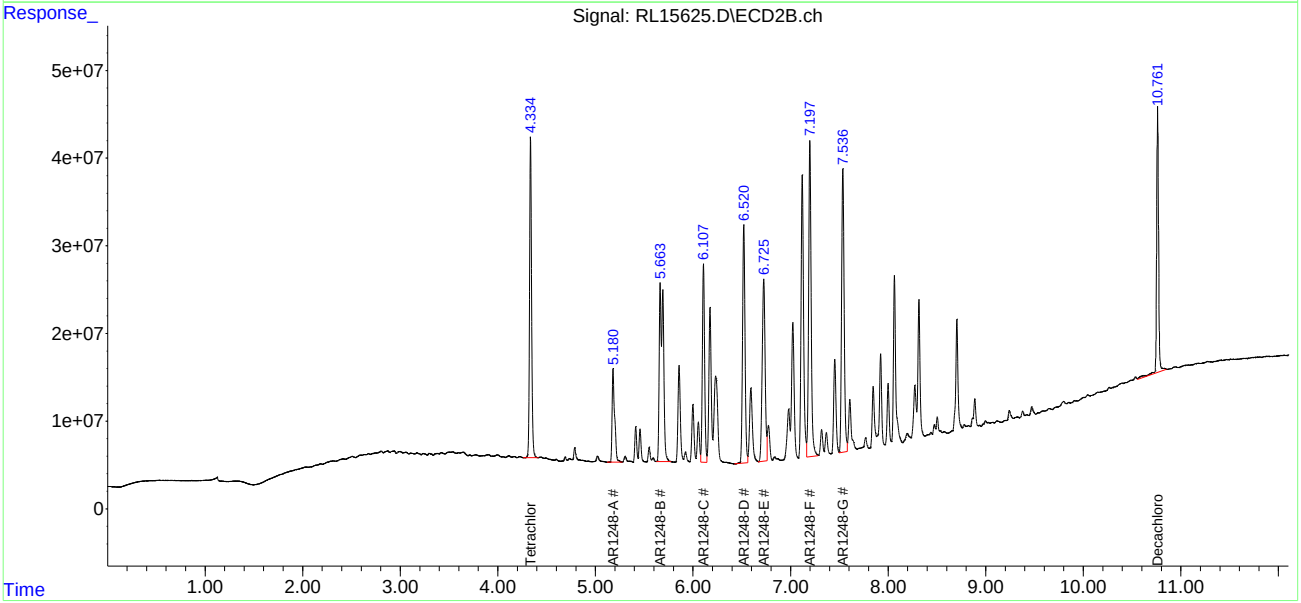
Quantitation Report (QT Reviewed)

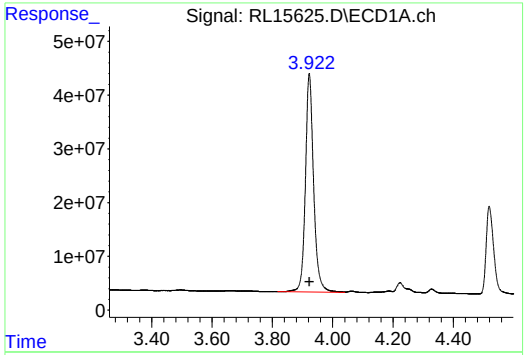
Data Path : C:\msdchem\1\data\grl343\
Data File : RL15625.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2024 07:02 am
Operator : christp
Sample : ic343-100
Misc : op54010,grl343,5.1,,,10,1
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 07:16:04 2024
Quant Method : C:\msdchem\1\methods\pcblvigcrl343a.m
Quant Title :
QLast Update : Mon Apr 29 07:16:00 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

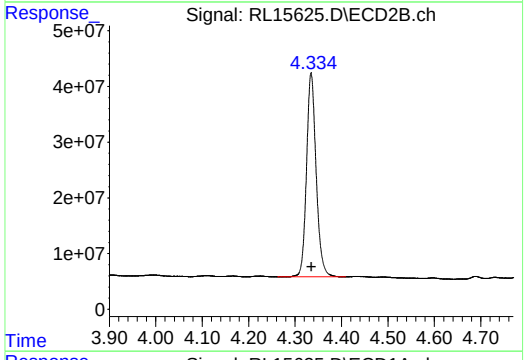






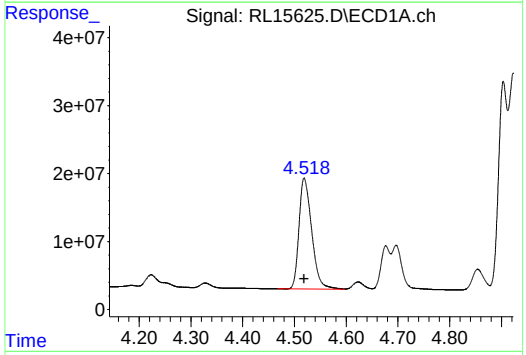
#1 Tetrachloro-m-xylene

R.T.: 3.923 min
Delta R.T.: 0.000 min
Response: 766764495
Conc: 3.95 ppb



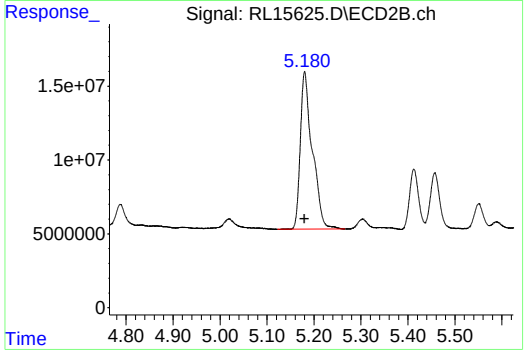
#1 Tetrachloro-m-xylene

R.T.: 4.335 min
Delta R.T.: 0.000 min
Response: 526063477
Conc: 3.67 ppb



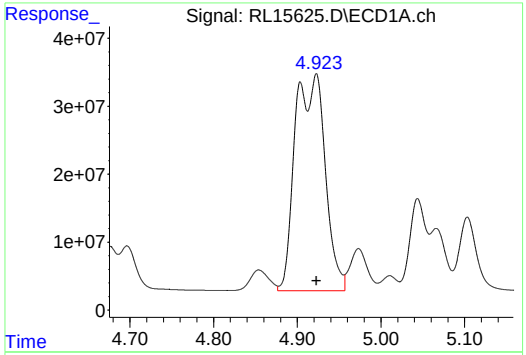
#17 AR1248-A

R.T.: 4.519 min
Delta R.T.: 0.000 min
Response: 277561660
Conc: 120.14 PPB



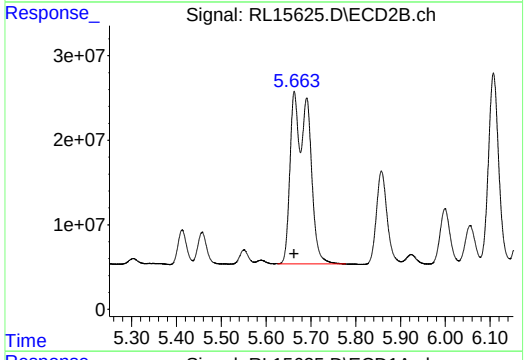
#17 AR1248-A

R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 189058308
Conc: 110.02 PPB



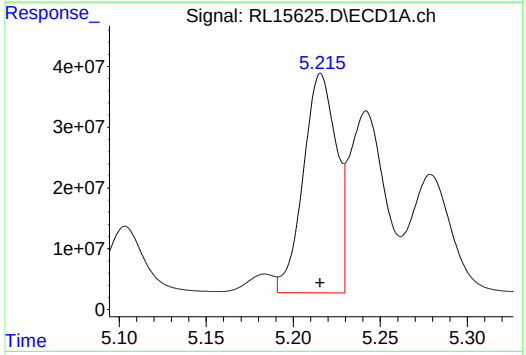
#18 AR1248-B

R.T.: 4.923 min
Delta R.T.: 0.000 min
Response: 794552342
Conc: 125.03 PPB m



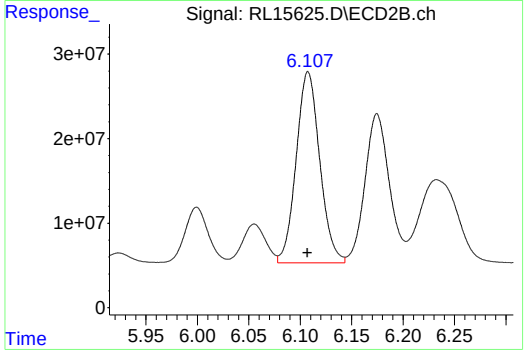
#18 AR1248-B

R.T.: 5.663 min
Delta R.T.: 0.000 min
Response: 579777363
Conc: 114.69 PPB m



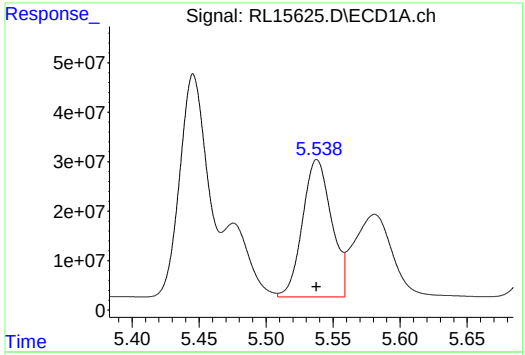
#19 AR1248-C

R.T.: 5.216 min
Delta R.T.: 0.000 min
Response: 476886009
Conc: 48.82 PPB



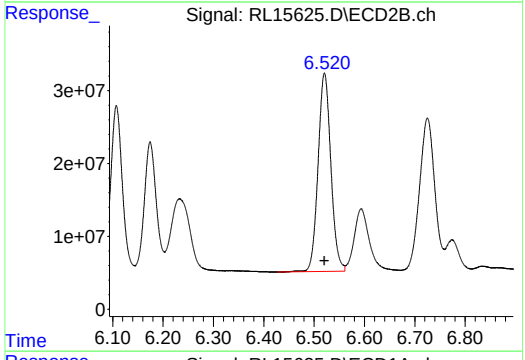
#19 AR1248-C

R.T.: 6.108 min
Delta R.T.: 0.000 min
Response: 360811837
Conc: 114.63 PPB



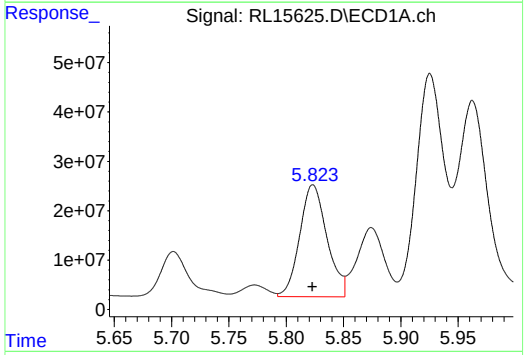
#20 AR1248-D

R.T.: 5.538 min
Delta R.T.: 0.000 min
Response: 419796123
Conc: 62.36 PPB



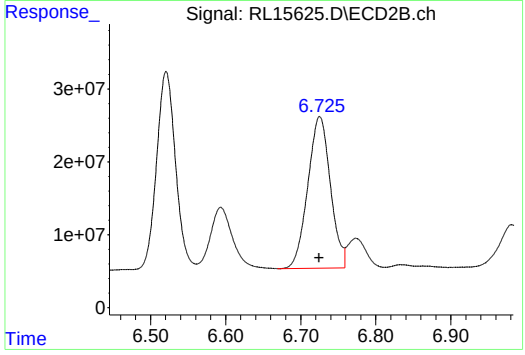
#20 AR1248-D

R.T.: 6.521 min
Delta R.T.: 0.000 min
Response: 478484048
Conc: 116.55 PPB



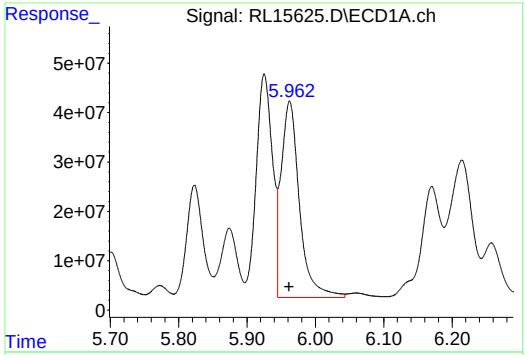
#21 AR1248-E

R.T.: 5.823 min
Delta R.T.: 0.000 min
Response: 375728187
Conc: 113.01 PPB



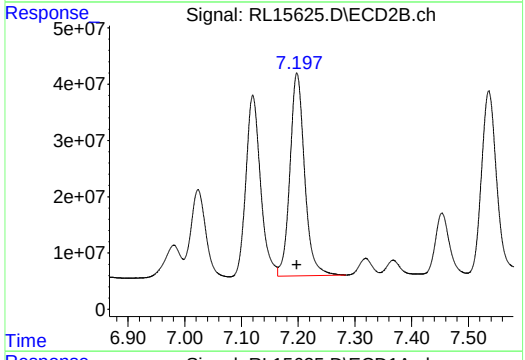
#21 AR1248-E

R.T.: 6.725 min
Delta R.T.: 0.000 min
Response: 434712982
Conc: 117.56 PPB



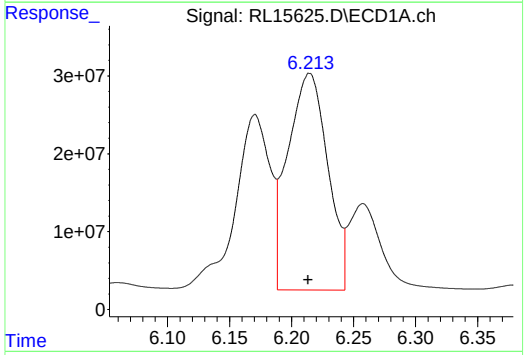
#22 AR1248-F

R.T.: 5.963 min
Delta R.T.: 0.000 min
Response: 742159033
Conc: 64.23 PPB



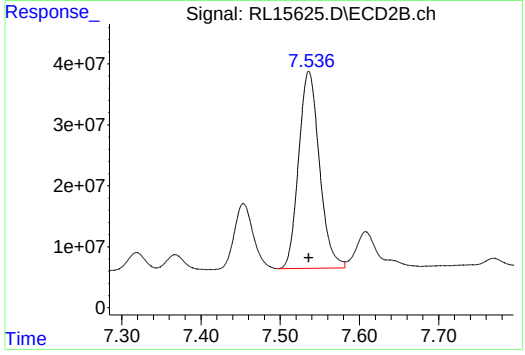
#22 AR1248-F

R.T.: 7.198 min
Delta R.T.: 0.000 min
Response: 646835804
Conc: 117.83 PPB



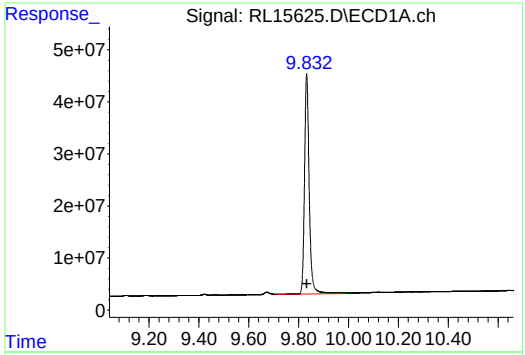
#23 AR1248-G

R.T.: 6.215 min
Delta R.T.: 0.001 min
Response: 623701032
Conc: 99.13 PPB



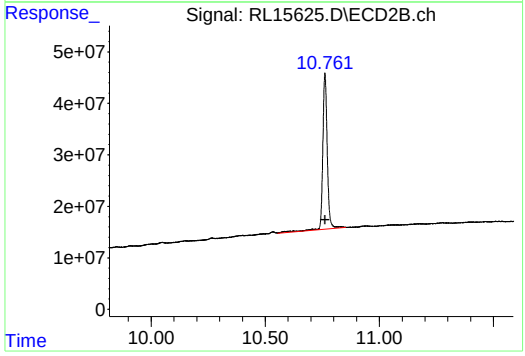
#23 AR1248-G

R.T.: 7.536 min
Delta R.T.: 0.000 min
Response: 589455220
Conc: 113.82 PPB



#51 Decachlorobiphenyl

R.T.: 9.833 min
Delta R.T.: 0.000 min
Response: 547923370
Conc: 4.83 ppb



#51 Decachlorobiphenyl

R.T.: 10.762 min
Delta R.T.: 0.000 min
Response: 416627898
Conc: 4.45 ppb

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H9120324W1.CSV Date Analyzed: 12/03/24 Methods: SW846 7470A
Analyst: MK Run ID: MA57413
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:29	MA57413-STD1	1		STDA
10:31	MA57413-STD2	1		STDB
10:33	MA57413-STD3	1		STDC
10:35	MA57413-STD4	1		STDD
10:36	MA57413-STD5	1		STDE
10:38	MA57413-STD6	1		STDF
10:40	ZZZZZZ	1		
10:42	MA57413-ICV1	1		
10:43	MA57413-ICB1	1		
10:45	MA57413-CCV1	1		
10:47	MA57413-CCB1	1		
10:50	MA57413-CRI1	1		
10:52	MP51277-MB1	1		
10:53	MP51277-B1	1		
10:55	MP51277-S1	1		FB as QC
10:56	MP51277-S2	1		FB as QC
10:58	JE1554-2	1		(sample used for QC only; not part of login JE1534)
11:01	ZZZZZZ	1		
11:02	JE1534-8	1		
---------->	Last reportable sample/prep for job JE1534			
11:05	ZZZZZZ	1		
11:06	MA57413-CCV2	1		
11:08	MA57413-CCB2	1		
---------->	Last reportable CCB for job JE1534			
11:10	ZZZZZZ	1		
11:11	ZZZZZZ	1		
11:13	ZZZZZZ	1		
11:14	ZZZZZZ	1		
11:16	ZZZZZZ	1		
11:17	ZZZZZZ	1		
11:19	ZZZZZZ	1		
11:20	ZZZZZZ	1		
11:22	MA57413-CCV3	1		
11:23	MA57413-CCB3	1		
11:25	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H9120324W1.CSV Date Analyzed: 12/03/24 Methods: SW846 7470A
Analyst: MK Run ID: MA57413
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:26	ZZZZZZ	1		
11:28	ZZZZZZ	1		
11:29	JE1580-1	1		(sample used for QC only; not part of login JE1534)
11:31	ZZZZZZ	1		
11:32	ZZZZZZ	1		
11:34	ZZZZZZ	1		
11:35	ZZZZZZ	1		
11:37	MA57413-CCV4	1		
11:38	MA57413-CCB4	1		
11:40	MP51278-MB1	1		
11:41	MP51278-LB1	1		
11:43	MP51278-B1	1		
11:44	MP51278-LS1	1		
11:46	MP51278-S1	1		
11:48	MP51278-S2	1		
11:50	JD99634-4R	1		(sample used for QC only; not part of login JE1534)
11:52	ZZZZZZ	1		
11:53	ZZZZZZ	1		
11:55	MA57413-CCV5	1		
11:56	MA57413-CCB5	1		
11:58	MP51279-MB1	1		
11:59	MP51279-LB1	1		
12:01	MP51279-B1	1		
12:02	MP51279-LS1	1		
12:04	MP51279-S1	1		
12:06	MP51279-S2	1		
12:08	JE1242-1A	1		(sample used for QC only; not part of login JE1534)
12:10	ZZZZZZ	1		
12:11	MA57413-CCV6	1		
12:12	MA57413-CCB6	1		
12:14	ZZZZZZ	1		
12:16	ZZZZZZ	1		
12:17	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H9120324W1.CSV Date Analyzed: 12/03/24 Methods: SW846 7470A
Analyst: MK Run ID: MA57413
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:19	ZZZZZZ	1		
12:20	ZZZZZZ	1		
12:21	ZZZZZZ	1		
12:23	ZZZZZZ	1		
12:24	ZZZZZZ	1		
12:26	ZZZZZZ	1		
12:27	MA57413-CCV7	1		
12:29	MA57413-CCB7	1		
12:30	ZZZZZZ	1		
12:32	ZZZZZZ	1		
12:33	ZZZZZZ	1		
12:35	ZZZZZZ	1		
12:36	ZZZZZZ	1		
12:38	ZZZZZZ	1		
12:39	ZZZZZZ	1		
12:40	ZZZZZZ	1		
12:42	ZZZZZZ	1		
12:43	MA57413-CCV8	1		
12:45	MA57413-CCB8	1		
12:47	MP51280-MB1	1		
12:48	MP51280-LB1	1		
12:49	MP51280-B1	1		
12:51	MP51280-LS1	1		
12:53	MP51280-S1	1		
12:55	MP51280-S2	1		
12:56	JE1242-11A	1		(sample used for QC only; not part of login JE1534)
12:58	MA57413-CCV9	1		
13:00	MA57413-CCB9	1		
13:02	MP51281-MB1	1		
13:03	MP51281-LB1	1		
13:05	MP51281-B1	1		
13:06	MP51281-LS1	1		
13:08	MP51281-S1	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H9120324W1.CSV Date Analyzed: 12/03/24 Methods: SW846 7470A
Analyst: MK Run ID: MA57413
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:10	MP51281-S2	1		
13:12	JE1493-1	1		(sample used for QC only; not part of login JE1534)
13:13	ZZZZZZ	1		
13:15	MA57413-CCV10	1		
13:16	MA57413-CCB10	1		
13:18	ZZZZZZ	1		
13:20	ZZZZZZ	1		
13:21	ZZZZZZ	1		
13:22	ZZZZZZ	1		
13:24	ZZZZZZ	1		
13:25	ZZZZZZ	1		
13:27	ZZZZZZ	1		
13:28	ZZZZZZ	1		
13:30	MA57413-CCV11	1		
13:31	MA57413-CCB11	1		
13:33	ZZZZZZ	1		
13:34	ZZZZZZ	1		
13:36	ZZZZZZ	1		
13:37	ZZZZZZ	1		
13:39	ZZZZZZ	1		
13:40	ZZZZZZ	1		
13:42	ZZZZZZ	1		
13:43	ZZZZZZ	1		
13:44	MA57413-CCV12	1		
13:46	MA57413-CCB12	1		
13:48	ZZZZZZ	1		
13:49	ZZZZZZ	1		
13:51	ZZZZZZ	20		
13:52	MP51278-S1	1		
13:54	MP51278-S2	1		
13:56	MP51281-MB1	1		
13:58	MA57413-CCV13	1		
13:59	MA57413-CCB13	1		

Refer to raw data for calibration curve and standards.

REPORTED ELEMENTS SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H9120324W1.CSV Date Analyzed: 12/03/24 Methods: SW846 7470A
Analyst: MK Run ID: MA57413
Parameters: Hg

Time	Sample Description	Element: Dilution	Hg	
10:40	ZZZZZZ	1		
10:42	MA57413-ICV1	1	X	
10:43	MA57413-ICB1	1	X	
10:45	MA57413-CCV1	1	X	
10:47	MA57413-CCB1	1	X	
10:50	MA57413-CRI1	1	X	
10:52	MP51277-MB1	1	X	
10:53	MP51277-B1	1	X	
10:55	MP51277-S1	1	FB as QC	
10:56	MP51277-S2	1	FB as QC	
10:58	JE1554-2	1	X	(a)
11:01	ZZZZZZ	1		
11:02	JE1534-8	1	X	
11:05	ZZZZZZ	1		
11:06	MA57413-CCV2	1	X	
11:08	MA57413-CCB2	1	X	
11:10	ZZZZZZ	1		
11:11	ZZZZZZ	1		
11:13	ZZZZZZ	1		
11:14	ZZZZZZ	1		
11:16	ZZZZZZ	1		
11:17	ZZZZZZ	1		
11:19	ZZZZZZ	1		
11:20	ZZZZZZ	1		
11:22	MA57413-CCV3	1	X	
11:23	MA57413-CCB3	1	X	
11:25	ZZZZZZ	1		
11:26	ZZZZZZ	1		
11:28	ZZZZZZ	1		
11:29	JE1580-1	1	X	(a)
11:31	ZZZZZZ	1		
11:32	ZZZZZZ	1		
11:34	ZZZZZZ	1		
		Element:	Hg	

REPORTED ELEMENTS SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H9120324W1.CSV Date Analyzed: 12/03/24 Methods: SW846 7470A
Analyst: MK Run ID: MA57413
Parameters: Hg

Time	Sample Description	Element: Dilution	Hg	
11:35	ZZZZZZ	1		
11:37	MA57413-CCV4	1	X	
11:38	MA57413-CCB4	1	X	
11:40	MP51278-MB1	1	X	
11:41	MP51278-LB1	1		
11:43	MP51278-B1	1	X	
11:44	MP51278-LS1	1	X	
11:46	MP51278-S1	1		
11:48	MP51278-S2	1		
11:50	JD99634-4R	1	X	(a)
11:52	ZZZZZZ	1		
11:53	ZZZZZZ	1		
11:55	MA57413-CCV5	1	X	
11:56	MA57413-CCB5	1	X	
11:58	MP51279-MB1	1	X	
11:59	MP51279-LB1	1		
12:01	MP51279-B1	1	X	
12:02	MP51279-LS1	1	X	
12:04	MP51279-S1	1	X	
12:06	MP51279-S2	1	X	
12:08	JE1242-1A	1	X	(a)
12:10	ZZZZZZ	1		
12:11	MA57413-CCV6	1	X	
12:12	MA57413-CCB6	1	X	
12:14	ZZZZZZ	1		
12:16	ZZZZZZ	1		
12:17	ZZZZZZ	1		
12:19	ZZZZZZ	1		
12:20	ZZZZZZ	1		
12:21	ZZZZZZ	1		
12:23	ZZZZZZ	1		
12:24	ZZZZZZ	1		
12:26	ZZZZZZ	1		
		Element:	Hg	

REPORTED ELEMENTS SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H9120324W1.CSV Date Analyzed: 12/03/24 Methods: SW846 7470A
Analyst: MK Run ID: MA57413
Parameters: Hg

Time	Sample Description	Element: Dilution	Hg	
12:27	MA57413-CCV7	1	X	
12:29	MA57413-CCB7	1	X	
12:30	ZZZZZZ	1		
12:32	ZZZZZZ	1		
12:33	ZZZZZZ	1		
12:35	ZZZZZZ	1		
12:36	ZZZZZZ	1		
12:38	ZZZZZZ	1		
12:39	ZZZZZZ	1		
12:40	ZZZZZZ	1		
12:42	ZZZZZZ	1		
12:43	MA57413-CCV8	1	X	
12:45	MA57413-CCB8	1	X	
12:47	MP51280-MB1	1	X	
12:48	MP51280-LB1	1		
12:49	MP51280-B1	1	X	
12:51	MP51280-LS1	1	X	
12:53	MP51280-S1	1	X	
12:55	MP51280-S2	1	X	
12:56	JE1242-11A	1	X	(a)
12:58	MA57413-CCV9	1	X	
13:00	MA57413-CCB9	1	X	
13:02	MP51281-MB1	1		
13:03	MP51281-LB1	1		
13:05	MP51281-B1	1	X	
13:06	MP51281-LS1	1	X	
13:08	MP51281-S1	1	X	
13:10	MP51281-S2	1	X	
13:12	JE1493-1	1	X	(a)
13:13	ZZZZZZ	1		
13:15	MA57413-CCV10	1	X	
13:16	MA57413-CCB10	1	X	
13:18	ZZZZZZ	1		
		Element:	Hg	

REPORTED ELEMENTS SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H9120324W1.CSV Date Analyzed: 12/03/24 Methods: SW846 7470A
Analyst: MK Run ID: MA57413
Parameters: Hg

Time	Sample Description	Element: Dilution	Hg
13:20	ZZZZZZ	1	
13:21	ZZZZZZ	1	
13:22	ZZZZZZ	1	
13:24	ZZZZZZ	1	
13:25	ZZZZZZ	1	
13:27	ZZZZZZ	1	
13:28	ZZZZZZ	1	
13:30	MA57413-CCV11	1	X
13:31	MA57413-CCB11	1	X
13:33	ZZZZZZ	1	
13:34	ZZZZZZ	1	
13:36	ZZZZZZ	1	
13:37	ZZZZZZ	1	
13:39	ZZZZZZ	1	
13:40	ZZZZZZ	1	
13:42	ZZZZZZ	1	
13:43	ZZZZZZ	1	
13:44	MA57413-CCV12	1	X
13:46	MA57413-CCB12	1	X
13:48	ZZZZZZ	1	
13:49	ZZZZZZ	1	
13:51	ZZZZZZ	20	
13:52	MP51278-S1	1	X
13:54	MP51278-S2	1	X
13:56	MP51281-MB1	1	X
13:58	MA57413-CCV13	1	X
13:59	MA57413-CCB13	1	X

(a) Sample used for QC only; not part of login JE1534.

Element: Hg

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H9120324W1.CSV Date Analyzed: 12/03/24 Methods: SW846 7470A
QC Limits: result < RL Run ID: MA57413 Units: ug/l

Time:			10:43		10:47		11:08	
Sample ID:			ICB1		CCB1		CCB2	
Metal	RL	IDL	raw	final	raw	final	raw	final
Mercury	0.20	.04	-0.0401	<0.20	-0.0411	<0.20	-0.0603	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H9120324W1.CSV Date Analyzed: 12/03/24 Methods: SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA57413 Units: ug/l

Time:		10:42			10:45			11:06	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	3	3.08	102.7	2.5	2.51	100.4	2.5	2.38	95.2

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H9120324W1.CSV Date Analyzed: 12/03/24 Methods: SW846 7470A
QC Limits: 70 to 130 % Recovery Run ID: MA57413 Units: ug/l

Time:			10:50	
Sample ID:	CRI	CRIA	CRI1	
Metal	True	True	Results	% Rec
Mercury	0.20		0.235	117.5

(*) Outside of QC limits
(anr) Analyte not requested

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120324M1.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57424
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,Se,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:02	MA57424-STD1	1		STDA
11:07	MA57424-STD2	1		STDB
11:12	MA57424-ICV1	1		
11:18	MA57424-ICB1	1		
11:23	MA57424-CRI1	1		
11:28	MA57424-ICCV1	1		
11:43	MA57424-ICCV2	1		
11:59	MA57424-ICCV3	1		
12:16	MA57424-ICCV4	1		
12:24	MA57424-ICCV5	1		Ag out
12:33	MA57424-CCB1	1		
12:39	MA57424-CRI2	1		
12:43	MA57424-CRID1	1		
12:48	MA57424-ICSA1	1		
12:53	MA57424-ICSAB1	1		
12:59	MA57424-HSTD1	1		
13:05	MA57424-HSTD2	1		
13:10	ZZZZZZ	1		
13:15	ZZZZZZ	1		
13:20	ZZZZZZ	1		
13:25	ZZZZZZ	1		
13:30	MA57424-CCV1	1		
13:35	MA57424-CCB2	1		
13:40	ZZZZZZ	1		
13:45	ZZZZZZ	1		
13:49	ZZZZZZ	1		
13:54	ZZZZZZ	1		
13:59	ZZZZZZ	1		
14:04	ZZZZZZ	1		
14:09	ZZZZZZ	1		
14:14	ZZZZZZ	1		
14:19	ZZZZZZ	1		
14:24	MA57424-CCV2	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120324M1.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57424
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,Se,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:29	MA57424-CCB3	1		
14:34	ZZZZZZ	1		
14:39	ZZZZZZ	1		
14:44	ZZZZZZ	1		
14:49	ZZZZZZ	1		
14:53	ZZZZZZ	1		
15:00	MA57424-CCV3	1		
15:04	MA57424-CCB4	1		
15:09	ZZZZZZ	1		
15:14	ZZZZZZ	1		
15:19	MP51254-MB1	1		Rerun batch for Ag, ICCV out
15:24	MP51254-LB1	1		
15:29	MP51254-B1	1		
15:34	MP51254-LS1	1		
15:39	MP51254-S1	5		
15:44	MP51254-S2	5		
15:48	JE1242-11A	5		(sample used for QC only; not part of login JE1534)
15:53	MP51254-SD1	25		
15:58	MA57424-CCV4	1		
16:03	MA57424-CCB5	1		
16:08	ZZZZZZ	1		
16:13	MP51250-LB1	1		CCV out
16:18	ZZZZZZ	1		
16:23	MP51250-LS1	1		CCV out
16:28	MP51250-S1	5		CCV out
16:33	MP51250-S2	5		CCV out
16:37	JE1242-1A	5		(sample used for QC only; not part of login JE1534)
16:42	MP51250-SD1	25		CCV out
16:47	ZZZZZZ	5		
16:52	ZZZZZZ	5		
16:57	MA57424-CCV5	1		Ag out
17:02	MA57424-CCB6	1		
17:07	ZZZZZZ	5		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120324M1.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57424
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,Se,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:12	ZZZZZZ	5		
17:17	ZZZZZZ	5		
17:22	ZZZZZZ	5		
17:27	ZZZZZZ	5		
17:32	ZZZZZZ	5		
17:37	ZZZZZZ	5		
17:42	ZZZZZZ	1		
17:47	ZZZZZZ	1		
17:52	ZZZZZZ	1		
17:57	MA57424-CCV6	1		
18:02	MA57424-CCB7	1		
18:06	MA57424-CRI3	1		
18:11	MA57424-CRID2	1		
18:16	MA57424-ICSA2	1		
18:21	MA57424-ICSAB2	1		
18:26	MA57424-CCV7	1		
18:31	MA57424-CCB8	1		
18:36	MA57424-CRI4	1		
18:41	ZZZZZZ	1		
18:46	MP51267-MB1	1		CCV out
18:51	MP51267-B1	1		CCV out
18:56	MP51267-S1	1		CCV out
19:00	MP51267-S2	1		CCV out
19:05	JE1071-6	1		(sample used for QC only; not part of login JE1534)
19:10	MP51267-SD1	5		CCV out
19:15	ZZZZZZ	1		
19:20	ZZZZZZ	1		
19:25	MA57424-CCV8	1		Al out
19:30	MA57424-CCB9	1		
19:35	ZZZZZZ	1		
19:40	MP51219-MB1	1		
19:45	MP51219-B1	1		
19:50	MP51219-S1	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120324M1.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57424
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,Se,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:54	MP51219-S2	1		
19:59	JE1478-19	1		(sample used for QC only; not part of login JE1534)
20:04	MP51219-SD1	5		
20:09	ZZZZZZ	1		
20:14	ZZZZZZ	1		
20:19	ZZZZZZ	1		
20:24	MA57424-CCV9	1		
20:29	MA57424-CCB10	1		
20:33	ZZZZZZ	1		
20:38	ZZZZZZ	1		
20:43	ZZZZZZ	1		
20:48	ZZZZZZ	1		
20:53	ZZZZZZ	1		
20:58	ZZZZZZ	1		
21:03	ZZZZZZ	1		
21:08	ZZZZZZ	1		
21:13	ZZZZZZ	1		
21:18	ZZZZZZ	1		
21:23	MA57424-CCV10	1		
21:28	MA57424-CCB11	1		
21:33	ZZZZZZ	1		
21:38	ZZZZZZ	1		
21:43	ZZZZZZ	1		
21:47	ZZZZZZ	1		
21:53	MP51221-B1	1		
21:57	MP51221-MB1	1		
22:02	MP51221-S1	1		
22:07	MP51221-S2	1		
22:12	JE1519-11F	1		(sample used for QC only; not part of login JE1534)
22:17	MP51221-SD1	5		
22:22	MA57424-CCV11	1		K,Ag out
22:27	MA57424-CCB12	1		
22:32	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120324M1.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57424
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,Se,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
22:37	ZZZZZZ	1		
22:42	ZZZZZZ	1		
22:47	ZZZZZZ	1		
22:52	ZZZZZZ	1		
22:57	ZZZZZZ	1		
23:02	ZZZZZZ	1		
23:07	ZZZZZZ	1		
23:12	MP51263-MB1	1		CCV out
23:17	MP51263-B1	1		CCV out
---------->	Last reportable sample/prep for job JE1534			
23:22	MA57424-CCV12	1		K,Ag out
23:27	MA57424-CCB13	1		
---------->	Last reportable CCB for job JE1534			
23:32	ZZZZZZ	1		
23:37	ZZZZZZ	1		
23:42	ZZZZZZ	1		
23:47	ZZZZZZ	1		
23:52	ZZZZZZ	1		
23:57	ZZZZZZ	1		
00:02	ZZZZZZ	1		
00:07	ZZZZZZ	1		
00:12	ZZZZZZ	1		
00:17	ZZZZZZ	1		
00:22	MA57424-CCV13	1		
00:27	MA57424-CCB14	1		
00:32	ZZZZZZ	1		
00:37	ZZZZZZ	1		
00:42	ZZZZZZ	1		
00:47	ZZZZZZ	1		
00:52	ZZZZZZ	1		
00:57	MP51218-B1	1		
01:02	MP51218-MB1	1		
01:06	MP51218-S1	1		
01:12	MP51218-S2	1		
01:17	JE1478-10F	1		(sample used for QC only; not part of login JE1534)

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120324M1.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57424
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,Se,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
01:22	MA57424-CCV14	1		
01:26	MA57424-CCB15	1		
01:31	MP51218-SD1	5		
01:36	ZZZZZZ	1		
01:41	ZZZZZZ	1		
01:46	ZZZZZZ	1		
01:51	ZZZZZZ	1		
01:56	ZZZZZZ	1		
02:01	ZZZZZZ	1		
02:06	ZZZZZZ	1		
02:10	ZZZZZZ	1		
02:15	ZZZZZZ	1		
02:20	MA57424-CCV15	1		
02:25	MA57424-CCB16	1		
02:30	ZZZZZZ	1		
02:35	ZZZZZZ	1		
02:40	ZZZZZZ	1		
02:45	ZZZZZZ	1		
02:50	ZZZZZZ	1		
02:55	ZZZZZZ	1		
03:00	ZZZZZZ	1		
03:04	ZZZZZZ	1		
03:09	MP51209-B1	1		
03:14	MP51209-MB1	1		
03:19	MA57424-CCV16	1		
03:24	MA57424-CCB17	1		
03:29	MP51209-S1	1		
03:34	MP51209-S2	1		
03:39	JE746-10	1		(sample used for QC only; not part of login JE1534)
03:44	MP51209-SD1	5		
03:49	ZZZZZZ	1		
03:55	ZZZZZZ	1		
03:59	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120324M1.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57424
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,Se,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
04:05	ZZZZZZ	1		
04:10	ZZZZZZ	1		
04:15	ZZZZZZ	1		
04:20	MA57424-CCV17	1		
04:25	MA57424-CCB18	1		
04:30	ZZZZZZ	1		
04:36	ZZZZZZ	1		
04:41	ZZZZZZ	1		
04:46	ZZZZZZ	1		
04:51	ZZZZZZ	1		
04:56	ZZZZZZ	1		
05:02	ZZZZZZ	1		
05:07	ZZZZZZ	1		
05:13	ZZZZZZ	1		
05:18	ZZZZZZ	1		
05:23	MA57424-CCV18	1		
05:28	MA57424-CCB19	1		
05:33	ZZZZZZ	1		
05:38	ZZZZZZ	1		
05:43	ZZZZZZ	1		
05:48	ZZZZZZ	1		
05:53	ZZZZZZ	1		
05:58	ZZZZZZ	1		
06:03	ZZZZZZ	1		
06:08	ZZZZZZ	1		
06:13	ZZZZZZ	1		
06:18	ZZZZZZ	1		
06:23	MA57424-CCV19	1		
06:28	MA57424-CCB20	1		
06:33	ZZZZZZ	1		
06:38	MP51220-B1	1		Reexport as SW 846, CCV out
06:38	MP51220-B1	1		Reanalyze batch for Mn due to failing CCV
06:43	MP51220-MB1	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120324M1.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57424
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,Se,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
06:48	MP51220-S1	1		
06:52	MP51220-S2	1		
06:57	JE1519-9F	1		(sample used for QC only; not part of login JE1534)
07:02	MP51220-SD1	5		
07:07	MA57424-CCV20	1		Multiple failed elements
07:12	MA57424-CCB21	1		
07:18	MA57424-CCV21	1		
07:24	MA57424-CCB22	1		

Refer to raw data for calibration curve and standards.

REPORTED ELEMENTS SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120324M1.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57424
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,Se,Na,Tl,V,Zn

Time	Sample Description	Dilution	Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Na	Tl	V	Zn
11:12	MA57424-ICV1	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
11:18	MA57424-ICB1	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
11:23	MA57424-CRI1	1																					
11:28	MA57424-ICCV1	1																					
11:43	MA57424-ICCV2	1																					
11:59	MA57424-ICCV3	1																					
12:16	MA57424-ICCV4	1																					
12:24	MA57424-ICCV5	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
12:33	MA57424-CCB1	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
12:39	MA57424-CRI2	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
12:43	MA57424-CRID1	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
12:48	MA57424-ICSA1	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
12:53	MA57424-ICSAB1	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
12:59	MA57424-HSTD1	1			X	X	X	X	X		X	X	X		X		X	X	X		X	X	X
13:05	MA57424-HSTD2	1		X					X					X		X				X			
13:10	ZZZZZZ	1																					
13:15	ZZZZZZ	1																					
13:20	ZZZZZZ	1																					
13:25	ZZZZZZ	1																					
13:30	MA57424-CCV1	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
13:35	MA57424-CCB2	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
13:40	ZZZZZZ	1																					
13:45	ZZZZZZ	1																					
13:49	ZZZZZZ	1																					
13:54	ZZZZZZ	1																					
13:59	ZZZZZZ	1																					
14:04	ZZZZZZ	1																					
14:09	ZZZZZZ	1																					
14:14	ZZZZZZ	1																					
14:19	ZZZZZZ	1																					
14:24	MA57424-CCV2	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
14:29	MA57424-CCB3	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
14:34	ZZZZZZ	1																					
			Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Na	Tl	V	Zn

REPORTED ELEMENTS SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120324M1.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57424
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,Se,Na,Tl,V,Zn

Time	Sample Description	Dilution	Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Na	Tl	V	Zn	
14:39	ZZZZZZ	1																						
14:44	ZZZZZZ	1																						
14:49	ZZZZZZ	1																						
14:53	ZZZZZZ	1																						
15:00	MA57424-CCV3	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
15:04	MA57424-CCB4	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
15:09	ZZZZZZ	1																						
15:14	ZZZZZZ	1																						
15:19	MP51254-MB1	1				X	X	X	X		X		X		X		X			X	X			X	
15:24	MP51254-LB1	1																						
15:29	MP51254-B1	1				X	X	X	X		X		X		X		X			X	X			X	
15:34	MP51254-LS1	1				X	X	X	X		X		X		X		X			X	X			X	
15:39	MP51254-S1	5				X	X	X	X		X		X		X		X			X	X			X	
15:44	MP51254-S2	5				X	X	X	X		X		X		X		X			X	X			X	
15:48	JE1242-11A	5				X	X	X	X		X		X		X		X			X	X			X	(a)
15:53	MP51254-SD1	25				X	X	X	X		X		X		X		X			X	X			X	
15:58	MA57424-CCV4	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
16:03	MA57424-CCB5	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
16:08	ZZZZZZ	1																						
16:13	MP51250-LB1	1																						
16:18	ZZZZZZ	1																						
16:23	MP51250-LS1	1				X	X	X	X		X		X		X		X			X	X			X	
16:28	MP51250-S1	5				X	X	X	X		X		X		X		X			X	X			X	
16:33	MP51250-S2	5				X	X	X	X		X		X		X		X			X	X			X	
16:37	JE1242-1A	5				X	X	X	X		X		X		X		X			X	X			X	(a)
16:42	MP51250-SD1	25				X	X	X	X		X		X		X		X			X	X			X	
16:47	ZZZZZZ	5																						
16:52	ZZZZZZ	5																						
16:57	MA57424-CCV5	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
17:02	MA57424-CCB6	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
17:07	ZZZZZZ	5																						
17:12	ZZZZZZ	5																						
17:17	ZZZZZZ	5																						
			Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Na	Tl	V	Zn	

REPORTED ELEMENTS SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120324M1.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57424
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,Se,Na,Tl,V,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Na	Tl	V	Zn	
17:22	ZZZZZZ	5																					
17:27	ZZZZZZ	5																					
17:32	ZZZZZZ	5																					
17:37	ZZZZZZ	5																					
17:42	ZZZZZZ	1																					
17:47	ZZZZZZ	1																					
17:52	ZZZZZZ	1																					
17:57	MA57424-CCV6	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
18:02	MA57424-CCB7	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
18:06	MA57424-CRI3	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
18:11	MA57424-CRID2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
18:16	MA57424-ICSA2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
18:21	MA57424-ICSAB2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
18:26	MA57424-CCV7	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
18:31	MA57424-CCB8	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
18:36	MA57424-CRI4	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
18:41	ZZZZZZ	1																					
18:46	MP51267-MB1	1								X		X	X	X		X	X					X	
18:51	MP51267-B1	1								X		X	X	X		X	X					X	
18:56	MP51267-S1	1								X		X	X	X		X	X					X	
19:00	MP51267-S2	1								X		X	X	X		X	X					X	
19:05	JE1071-6	1								X		X	X	X			X					X	(a)
19:10	MP51267-SD1	5								X		X	X	X		X	X					X	
19:15	ZZZZZZ	1																					
19:20	ZZZZZZ	1																					
19:25	MA57424-CCV8	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
19:30	MA57424-CCB9	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
19:35	ZZZZZZ	1																					
19:40	MP51219-MB1	1											X										
19:45	MP51219-B1	1											X										
19:50	MP51219-S1	1											X										
19:54	MP51219-S2	1											X										
19:59	JE1478-19	1											X										(a)
		Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Na	Tl	V	Zn	

REPORTED ELEMENTS SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120324M1.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57424
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,Se,Na,Tl,V,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Na	Tl	V	Zn	
20:04	MP51219-SD1	5											X										
20:09	ZZZZZZ	1																					
20:14	ZZZZZZ	1																					
20:19	ZZZZZZ	1																					
20:24	MA57424-CCV9	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
20:29	MA57424-CCB10	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
20:33	ZZZZZZ	1																					
20:38	ZZZZZZ	1																					
20:43	ZZZZZZ	1																					
20:48	ZZZZZZ	1																					
20:53	ZZZZZZ	1																					
20:58	ZZZZZZ	1																					
21:03	ZZZZZZ	1																					
21:08	ZZZZZZ	1																					
21:13	ZZZZZZ	1																					
21:18	ZZZZZZ	1																					
21:23	MA57424-CCV10	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
21:28	MA57424-CCB11	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
21:33	ZZZZZZ	1																					
21:38	ZZZZZZ	1																					
21:43	ZZZZZZ	1																					
21:47	ZZZZZZ	1																					
21:53	MP51221-B1	1											X		X				X				
21:57	MP51221-MB1	1											X		X				X				
22:02	MP51221-S1	1											X		X				X				
22:07	MP51221-S2	1											X		X				X				
22:12	JE1519-11F	1											X		X								(a)
22:17	MP51221-SD1	5											X		X				X				
22:22	MA57424-CCV11	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
22:27	MA57424-CCB12	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
22:32	ZZZZZZ	1																					
22:37	ZZZZZZ	1																					
22:42	ZZZZZZ	1																					
		Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Na	Tl	V	Zn	

REPORTED ELEMENTS SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120324M1.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57424
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,Se,Na,Tl,V,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Na	Tl	V	Zn	
22:47	ZZZZZZ	1																					
22:52	ZZZZZZ	1																					
22:57	ZZZZZZ	1																					
23:02	ZZZZZZ	1																					
23:07	ZZZZZZ	1																					
23:12	MP51263-MB1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
23:17	MP51263-B1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
23:22	MA57424-CCV12	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
23:27	MA57424-CCB13	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
23:32	ZZZZZZ	1																					
23:37	ZZZZZZ	1																					
23:42	ZZZZZZ	1																					
23:47	ZZZZZZ	1																					
23:52	ZZZZZZ	1																					
23:57	ZZZZZZ	1																					
00:02	ZZZZZZ	1																					
00:07	ZZZZZZ	1																					
00:12	ZZZZZZ	1																					
00:17	ZZZZZZ	1																					
00:22	MA57424-CCV13	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
00:27	MA57424-CCB14	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
00:32	ZZZZZZ	1																					
00:37	ZZZZZZ	1																					
00:42	ZZZZZZ	1																					
00:47	ZZZZZZ	1																					
00:52	ZZZZZZ	1																					
00:57	MP51218-B1	1											X										
01:02	MP51218-MB1	1											X										
01:06	MP51218-S1	1											X										
01:12	MP51218-S2	1											X										
01:17	JE1478-10F	1											X										(a)
01:22	MA57424-CCV14	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
01:26	MA57424-CCB15	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
		Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Na	Tl	V	Zn	

REPORTED ELEMENTS SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120324M1.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57424
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,Se,Na,Tl,V,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Na	Tl	V	Zn	
01:31	MP51218-SD1	5											X										
01:36	ZZZZZZ	1																					
01:41	ZZZZZZ	1																					
01:46	ZZZZZZ	1																					
01:51	ZZZZZZ	1																					
01:56	ZZZZZZ	1																					
02:01	ZZZZZZ	1																					
02:06	ZZZZZZ	1																					
02:10	ZZZZZZ	1																					
02:15	ZZZZZZ	1																					
02:20	MA57424-CCV15	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
02:25	MA57424-CCB16	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
02:30	ZZZZZZ	1																					
02:35	ZZZZZZ	1																					
02:40	ZZZZZZ	1																					
02:45	ZZZZZZ	1																					
02:50	ZZZZZZ	1																					
02:55	ZZZZZZ	1																					
03:00	ZZZZZZ	1																					
03:04	ZZZZZZ	1																					
03:09	MP51209-B1	1			X						X			X									
03:14	MP51209-MB1	1			X						X			X									
03:19	MA57424-CCV16	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
03:24	MA57424-CCB17	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
03:29	MP51209-S1	1			X						X			X									
03:34	MP51209-S2	1			X						X			X									
03:39	JE746-10	1									X												(a)
03:44	MP51209-SD1	5			X						X			X									
03:49	ZZZZZZ	1																					
03:55	ZZZZZZ	1																					
03:59	ZZZZZZ	1																					
04:05	ZZZZZZ	1																					
04:10	ZZZZZZ	1																					
		Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Na	Tl	V	Zn	

REPORTED ELEMENTS SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120324M1.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57424
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,Se,Na,Tl,V,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Na	Tl	V	Zn
04:15	ZZZZZZ	1																				
04:20	MA57424-CCV17	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
04:25	MA57424-CCB18	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
04:30	ZZZZZZ	1																				
04:36	ZZZZZZ	1																				
04:41	ZZZZZZ	1																				
04:46	ZZZZZZ	1																				
04:51	ZZZZZZ	1																				
04:56	ZZZZZZ	1																				
05:02	ZZZZZZ	1																				
05:07	ZZZZZZ	1																				
05:13	ZZZZZZ	1																				
05:18	ZZZZZZ	1																				
05:23	MA57424-CCV18	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
05:28	MA57424-CCB19	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
05:33	ZZZZZZ	1																				
05:38	ZZZZZZ	1																				
05:43	ZZZZZZ	1																				
05:48	ZZZZZZ	1																				
05:53	ZZZZZZ	1																				
05:58	ZZZZZZ	1																				
06:03	ZZZZZZ	1																				
06:08	ZZZZZZ	1																				
06:13	ZZZZZZ	1																				
06:18	ZZZZZZ	1																				
06:23	MA57424-CCV19	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
06:28	MA57424-CCB20	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
06:33	ZZZZZZ	1																				
06:38	MP51220-B1	1	Reexport as SW 846, CCV out																			
06:38	MP51220-B1	1											X									
06:43	MP51220-MB1	1											X									
06:48	MP51220-S1	1											X									
06:52	MP51220-S2	1											X									
		Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Na	Tl	V	Zn

REPORTED ELEMENTS SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120324M1.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57424
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,Se,Na,Tl,V,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Na	Tl	V	Zn	
06:57	JE1519-9F	1											X										(a)
07:02	MP51220-SD1	5											X										
07:07	MA57424-CCV20	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
07:12	MA57424-CCB21	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
07:18	MA57424-CCV21	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
07:24	MA57424-CCB22	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	

(a) Sample used for QC only; not part of login JE1534.

Element: Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni Se Na Tl V Zn

INTERNAL STANDARD SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120324M1.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57424
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,Se,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:02	MA57424-STD1	5698 R	189160 R	20304 R	13887 R
11:07	MA57424-STD2	5634	173050	20587	13497
11:12	MA57424-ICV1	5647	180070	20678	13556
11:18	MA57424-ICB1	5583	187630	19990	13678
11:23	MA57424-CRI1	No results reported for the elements associated with this internal standard.			
11:28	MA57424-ICCV1	No results reported for the elements associated with this internal standard.			
11:43	MA57424-ICCV2	No results reported for the elements associated with this internal standard.			
11:59	MA57424-ICCV3	No results reported for the elements associated with this internal standard.			
12:16	MA57424-ICCV4	No results reported for the elements associated with this internal standard.			
12:24	MA57424-ICCV5	5611	185330	19897	13541
12:33	MA57424-CCB1	5791	179860	21750	13962
12:39	MA57424-CRI2	5633	185950	20727	13733
12:43	MA57424-CRID1	5628	189030	20228	13765
12:48	MA57424-ICSA1	5118	173620	18717	12606
12:53	MA57424-ICSAB1	5204	174540	18706	12803
12:59	MA57424-HSTD1	5881	180650	21319	14273
13:05	MA57424-HSTD2	5313	168330	20095	12868
13:10	ZZZZZZ	No results reported for the elements associated with this internal standard.			
13:15	ZZZZZZ	No results reported for the elements associated with this internal standard.			
13:20	ZZZZZZ	No results reported for the elements associated with this internal standard.			
13:25	ZZZZZZ	No results reported for the elements associated with this internal standard.			
13:30	MA57424-CCV1	5765	178200	21468	13762
13:35	MA57424-CCB2	5759	184860	21248	13999
13:40	ZZZZZZ	No results reported for the elements associated with this internal standard.			
13:45	ZZZZZZ	No results reported for the elements associated with this internal standard.			
13:49	ZZZZZZ	No results reported for the elements associated with this internal standard.			
13:54	ZZZZZZ	No results reported for the elements associated with this internal standard.			
13:59	ZZZZZZ	No results reported for the elements associated with this internal standard.			
14:04	ZZZZZZ	No results reported for the elements associated with this internal standard.			
14:09	ZZZZZZ	No results reported for the elements associated with this internal standard.			
14:14	ZZZZZZ	No results reported for the elements associated with this internal standard.			
14:19	ZZZZZZ	No results reported for the elements associated with this internal standard.			
14:24	MA57424-CCV2	6025	191300	22472	14229

INTERNAL STANDARD SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120324M1.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57424
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,Se,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:29	MA57424-CCB3	6102	189720	23670	14560
14:34	ZZZZZZ	No results reported for the elements associated with this internal standard.			
14:39	ZZZZZZ	No results reported for the elements associated with this internal standard.			
14:44	ZZZZZZ	No results reported for the elements associated with this internal standard.			
14:49	ZZZZZZ	No results reported for the elements associated with this internal standard.			
14:53	ZZZZZZ	No results reported for the elements associated with this internal standard.			
15:00	MA57424-CCV3	5889	180830	22148	13969
15:04	MA57424-CCB4	5835	190730	21403	14121
15:09	ZZZZZZ	No results reported for the elements associated with this internal standard.			
15:14	ZZZZZZ	No results reported for the elements associated with this internal standard.			
15:19	MP51254-MB1	5856	192630	20763	14198
15:24	MP51254-LB1	5977	179780	23889	13385
15:29	MP51254-B1	6137	192600	23981	14500
15:34	MP51254-LS1	5675	180930	21489	12967
15:39	MP51254-S1	5830	203150	21626	13708
15:44	MP51254-S2	5763	193280	21003	13589
15:48	JE1242-11A	5992	187480	21104	13926
15:53	MP51254-SD1	6110	190420	23285	14381
15:58	MA57424-CCV4	5788	187740	22249	13858
16:03	MA57424-CCB5	5915	196940	21276	14298
16:08	ZZZZZZ	No results reported for the elements associated with this internal standard.			
16:13	MP51250-LB1	5919	189890	21543	13365
16:18	ZZZZZZ	No results reported for the elements associated with this internal standard.			
16:23	MP51250-LS1	5880	182010	22017	13230
16:28	MP51250-S1	5815	194520	21215	13616
16:33	MP51250-S2	5743	193580	20857	13465
16:37	JE1242-1A	5794	191800	20677	13606
16:42	MP51250-SD1	6089	193870	22324	14359
16:47	ZZZZZZ	5935	182670	22008	13778
16:52	ZZZZZZ	5844	189490	21626	13667
16:57	MA57424-CCV5	5620	187840	20968	13569
17:02	MA57424-CCB6	5664	188600	19809	13863
17:07	ZZZZZZ	5606	180830	20004	13194

INTERNAL STANDARD SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120324M1.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57424
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,Se,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
17:12	ZZZZZZ	5638	171590	20707	13250
17:17	ZZZZZZ	5561	177550	19785	13185
17:22	ZZZZZZ	5461	181660	19262	13022
17:27	ZZZZZZ	5538	184980	18929	13148
17:32	ZZZZZZ	5835	186250	20930	13665
17:37	ZZZZZZ	5794	177930	21142	13530
17:42	ZZZZZZ	No results reported for the elements associated with this internal standard.			
17:47	ZZZZZZ	No results reported for the elements associated with this internal standard.			
17:52	ZZZZZZ	No results reported for the elements associated with this internal standard.			
17:57	MA57424-CCV6	5904	180830	21264	13992
18:02	MA57424-CCB7	5887	183770	21795	14165
18:06	MA57424-CRI3	5687	188180	20435	13825
18:11	MA57424-CRID2	5642	191410	19874	13799
18:16	MA57424-ICSA2	5163	172770	18302	12698
18:21	MA57424-ICSAB2	5272	164150	19071	12820
18:26	MA57424-CCV7	5577	172770	19915	13402
18:31	MA57424-CCB8	5517	180080	19311	13512
18:36	MA57424-CRI4	5421	179460	18557	13332
18:41	ZZZZZZ	No results reported for the elements associated with this internal standard.			
18:46	MP51267-MB1	5755	176830	20433	13872
18:51	MP51267-B1	5649	174520	20277	13564
18:56	MP51267-S1	5534	180080	19465	13444
19:00	MP51267-S2	5467	182140	18794	13342
19:05	JE1071-6	5716	187970	19544	13966
19:10	MP51267-SD1	5748	176840	20319	13891
19:15	ZZZZZZ	5453	171750	20093	12798
19:20	ZZZZZZ	5237	174260	18566	12482
19:25	MA57424-CCV8	5404	178740	18183	13162
19:30	MA57424-CCB9	5641	184310	19394	13754
19:35	ZZZZZZ	5854	179820	21187	14098
19:40	MP51219-MB1	5560	178050	19628	13555
19:45	MP51219-B1	5434	178400	18634	13224
19:50	MP51219-S1	5992	197750	20295	12985

INTERNAL STANDARD SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120324M1.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57424
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,Se,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
19:54	MP51219-S2	6213	197010	21740	13253
19:59	JE1478-19	6288	193260	22612	13429
20:04	MP51219-SD1	5688	183980	19767	13546
20:09	ZZZZZZ	5381	181330	18341	13112
20:14	ZZZZZZ	5677	188300	19309	13745
20:19	ZZZZZZ	5776	179590	20528	13864
20:24	MA57424-CCV9	5676	178000	19936	13582
20:29	MA57424-CCB10	5607	185020	19257	13716
20:33	ZZZZZZ	5498	183370	18668	13342
20:38	ZZZZZZ	5694	185760	19479	13586
20:43	ZZZZZZ	5778	177030	20791	13500
20:48	ZZZZZZ	5257	169750	19095	12349
20:53	ZZZZZZ	5700	189470	19750	13772
20:58	ZZZZZZ	5737	190510	19666	13722
21:03	ZZZZZZ	6041	185940	21581	14302
21:08	ZZZZZZ	5807	185770	21111	13956
21:13	ZZZZZZ	5670	189140	19787	13544
21:18	ZZZZZZ	5678	191520	19613	13631
21:23	MA57424-CCV10	5925	185740	20729	14028
21:28	MA57424-CCB11	6033	186990	22023	14435
21:33	ZZZZZZ	5726	186990	20105	13494
21:38	ZZZZZZ	5385	177180	18421	12591
21:43	ZZZZZZ	6083	202360	21855	14479
21:47	ZZZZZZ	6697	207260	24764	14078
21:53	MP51221-B1	5928	190430	21754	14116
21:57	MP51221-MB1	6028	204130	21619	14511
22:02	MP51221-S1	6050	203670	21829	14248
22:07	MP51221-S2	6194	193970	22962	14386
22:12	JE1519-11F	6207	194810	23342	14484
22:17	MP51221-SD1	6162	207930	22886	14703
22:22	MA57424-CCV11	6175	207280	22294	14594
22:27	MA57424-CCB12	6440	209010	23766	15216
22:32	ZZZZZZ	6192	194750	23915	14066

INTERNAL STANDARD SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120324M1.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57424
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,Se,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
22:37	ZZZZZZ	5973	999999 !a	22675	13983
22:42	ZZZZZZ	6146	211480	22020	14590
22:47	ZZZZZZ	6149	202550	22565	14370
22:52	ZZZZZZ	5976	186730	23066	13759
22:57	ZZZZZZ	5876	194970	22099	13628
23:02	ZZZZZZ	5969	201450	20710	14383
23:07	ZZZZZZ	6010	199070	21350	14199
23:12	MP51263-MB1	6227	192700	23286	14749
23:17	MP51263-B1	6011	195500	22119	14301
23:22	MA57424-CCV12	5816	195520	20964	13944
23:27	MA57424-CCB13	6077	205840	21462	14625
23:32	ZZZZZZ	6253	194240	22651	14623
23:37	ZZZZZZ	5908	188310	22076	13825
23:42	ZZZZZZ	5822	195290	20218	13884
23:47	ZZZZZZ	5983	200880	21162	14022
23:52	ZZZZZZ	6258	196440	23135	14811
23:57	ZZZZZZ	6030	193720	22228	14336
00:02	ZZZZZZ	6092	203100	21406	14447
00:07	ZZZZZZ	6243	212020	22619	14840
00:12	ZZZZZZ	6192	199230	23258	14620
00:17	ZZZZZZ	6013	190840	22547	14257
00:22	MA57424-CCV13	5846	195060	21068	13972
00:27	MA57424-CCB14	5983	201150	20652	14453
00:32	ZZZZZZ	6027	193390	21661	14333
00:37	ZZZZZZ	6036	187410	22270	14320
00:42	ZZZZZZ	5732	189850	20511	13341
00:47	ZZZZZZ	5857	197230	20190	14136
00:52	ZZZZZZ	5966	195390	21199	14297
00:57	MP51218-B1	6088	188550	22552	14365
01:02	MP51218-MB1	5929	193810	21572	14295
01:06	MP51218-S1	5461	184920	19020	13200
01:12	MP51218-S2	5533	182710	19176	13290
01:17	JE1478-10F	5823	178680	20294	13789

INTERNAL STANDARD SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120324M1.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57424
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,Se,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
01:22	MA57424-CCV14	5931	190120	21407	14070
01:26	MA57424-CCB15	5895	198710	20697	14275
01:31	MP51218-SD1	5984	200890	20875	14399
01:36	ZZZZZZ	6083	191900	22245	14352
01:41	ZZZZZZ	5874	186330	22078	13940
01:46	ZZZZZZ	5761	195020	20630	13856
01:51	ZZZZZZ	7657 !a	258930 !a	26183	14156
01:56	ZZZZZZ	5878	192900	21137	13764
02:01	ZZZZZZ	6083	186530	22462	14421
02:06	ZZZZZZ	5854	190340	21218	14087
02:10	ZZZZZZ	5760	195340	19968	14059
02:15	ZZZZZZ	5814	194640	20229	13895
02:20	MA57424-CCV15	6158	189800	22516	14440
02:25	MA57424-CCB16	6170	195020	22688	14700
02:30	ZZZZZZ	6016	202840	21621	14355
02:35	ZZZZZZ	5913	201140	20895	14152
02:40	ZZZZZZ	6024	196460	22073	14305
02:45	ZZZZZZ	7666 !a	239610	29209 !a	14488
02:50	ZZZZZZ	5754	191910	21135	13601
02:55	ZZZZZZ	5930	202090	20718	14279
03:00	ZZZZZZ	6034	198320	21702	14426
03:04	ZZZZZZ	6187	194240	23365	14738
03:09	MP51209-B1	6029	195900	21571	14395
03:14	MP51209-MB1	6024	205150	20919	14499
03:19	MA57424-CCV16	6104	200540	21511	14451
03:24	MA57424-CCB17	6285	195160	23215	14904
03:29	MP51209-S1	6146	196930	22876	15042
03:34	MP51209-S2	5952	202550	21153	14776
03:39	JE746-10	6251	210880	22107	15249
03:44	MP51209-SD1	6241	199820	23114	14766
03:49	ZZZZZZ	6341	195560	23477	15569
03:55	ZZZZZZ	6043	201150	21799	15136
03:59	ZZZZZZ	6286	210220	21350	15500

INTERNAL STANDARD SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120324M1.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57424
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,Se,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
04:05	ZZZZZZ	6547	210690	23471	15194
04:10	ZZZZZZ	6494	206520	24481	15119
04:15	ZZZZZZ	5484	192940	21312	18083 !a
04:20	MA57424-CCV17	5947	200540	20495	14236
04:25	MA57424-CCB18	6226	201660	22375	14867
04:30	ZZZZZZ	5867	189220	23118	16348
04:36	ZZZZZZ	6027	203870	22434	15349
04:41	ZZZZZZ	5888	200800	21086	15124
04:46	ZZZZZZ	6077	199700	22840	13669
04:51	ZZZZZZ	5727	181610	22275	12652
04:56	ZZZZZZ	5832	200360	22001	16510
05:02	ZZZZZZ	5556	201540	20532	15189
05:07	ZZZZZZ	5964	198470	22301	16769
05:13	ZZZZZZ	6365	201200	24175	14982
05:18	ZZZZZZ	6755	226350	24330	14943
05:23	MA57424-CCV18	5949	200690	20455	14249
05:28	MA57424-CCB19	6196	203960	22172	14833
05:33	ZZZZZZ	6525	203910	24481	14850
05:38	ZZZZZZ	6281	205130	22948	14515
05:43	ZZZZZZ	6179	209540	21315	14559
05:48	ZZZZZZ	6130	198950	21990	13772
05:53	ZZZZZZ	6276	190440	23451	14178
05:58	ZZZZZZ	6115	999999 !a	22521	14676
06:03	ZZZZZZ	5890	199640	20839	14299
06:08	ZZZZZZ	6192	210080	21994	14879
06:13	ZZZZZZ	6235	192590	22822	14589
06:18	ZZZZZZ	6030	192730	22803	14262
06:23	MA57424-CCV19	5831	195440	20773	14010
06:28	MA57424-CCB20	6128	204820	21662	14721
06:33	ZZZZZZ	6203	195150	23127	14546
06:38	MP51220-B1	No results reported for the elements associated with this internal standard.			
06:38	MP51220-B1	6047	191020	22178	14342
06:43	MP51220-MB1	5896	199670	20960	14261

INTERNAL STANDARD SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120324M1.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57424
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,Se,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
06:48	MP51220-S1	5919	198960	20590	14012
06:52	MP51220-S2	6031	192360	22026	14125
06:57	JE1519-9F	6100	189350	23089	14333
07:02	MP51220-SD1	5902	199240	21306	14257
07:07	MA57424-CCV20	5893	999999 !a	20248	14130
07:12	MA57424-CCB21	6201	200050	22289	14822
07:18	MA57424-CCV21	6129	190960	22802	14417
07:24	MA57424-CCB22	5944	199330	21403	14389

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %
Istd#2	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %
Istd#4	Indium	70-130 %

(a) No samples reported for the elements associated with this internal standard.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120324M1.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57424 Units: ug/l

Time:			11:18		12:33		13:35		14:29	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	27	-3.10	<200	-25.7	<200	-18.2	<200	-19.5	<200
Antimony	6.0	2.2	-0.900	<6.0	-1.00	<6.0	0.100	<6.0	-0.700	<6.0
Arsenic	3.0	1.3	0.800	<3.0	0.300	<3.0	1.00	<3.0	1.20	<3.0
Barium	200	1	0.400	<200	-0.500	<200	0.00	<200	-0.700	<200
Beryllium	1.0	.2	0.00	<1.0	0.00	<1.0	0.100	<1.0	0.400	<1.0
Bismuth	20	2.1								
Boron	100	1								
Cadmium	3.0	.2	-0.200	<3.0	-0.100	<3.0	0.00	<3.0	0.00	<3.0
Calcium	5000	7.7	2.90	<5000	-2.20	<5000	0.600	<5000	1.30	<5000
Cerium	100									
Chromium	10	.5	-0.100	<10	-0.300	<10	0.500	<10	0.600	<10
Cobalt	50	.4	0.00	<50	0.200	<50	0.100	<50	0.300	<50
Copper	10	6.8	0.200	<10	1.90	<10	1.20	<10	2.20	<10
Iron	100	15	2.80	<100	0.800	<100	6.30	<100	12.7	<100
Lead	3.0	1.6	0.400	<3.0	0.200	<3.0	0.600	<3.0	1.20	<3.0
Lithium	50	3.7								
Magnesium	5000	54	-16.4	<5000	-9.10	<5000	24.8	<5000	6.00	<5000
Manganese	15	.1	0.00	<15	-0.100	<15	0.200	<15	0.400	<15
Molybdenum	20	.5								
Nickel	10	.3	-0.300	<10	-0.400	<10	-0.800	<10	-0.800	<10
Phosphorus	50	1.8								
Potassium	10000	77	anr							
Selenium	10	2	1.30	<10	2.50	<10	0.900	<10	3.20	<10
Silicon	200	1.3								
Silver	10	.9	anr							
Sodium	10000	23	16.8	<10000	16.5	<10000	57.3	<10000	43.7	<10000
Strontium	10	.4								
Sulfur	50	4.1								
Thallium	10	1.6	0.200	<10	0.700	<10	1.20	<10	0.00	<10
Tin	10	.9								
Titanium	10	.9								
Tungsten	50	2								
Vanadium	50	.8	-0.400	<50	-0.200	<50	-0.200	<50	0.300	<50

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120324M1.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57424 Units: ug/l

Time:			11:18		12:33		13:35		14:29	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.2	0.00	<20	0.00	<20	0.100	<20	0.100	<20
Zirconium	10	.5								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120324M1.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57424 Units: ug/l

Time: / Sample ID:			15:04 CCB4		16:03 CCB5		17:02 CCB6		18:02 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	27	-4.80	<200	-7.40	<200	4.30	<200	-9.20	<200
Antimony	6.0	2.2	1.00	<6.0	-0.200	<6.0	-1.60	<6.0	0.500	<6.0
Arsenic	3.0	1.3	1.20	<3.0	0.800	<3.0	0.800	<3.0	0.300	<3.0
Barium	200	1	0.300	<200	0.200	<200	0.800	<200	-0.200	<200
Beryllium	1.0	.2	0.300	<1.0	0.300	<1.0	0.100	<1.0	0.300	<1.0
Bismuth	20	2.1								
Boron	100	1								
Cadmium	3.0	.2	0.300	<3.0	0.200	<3.0	0.00	<3.0	0.300	<3.0
Calcium	5000	7.7	5.00	<5000	5.60	<5000	7.50	<5000	2.30	<5000
Cerium	100									
Chromium	10	.5	0.400	<10	0.400	<10	0.500	<10	0.200	<10
Cobalt	50	.4	0.200	<50	0.400	<50	0.200	<50	0.400	<50
Copper	10	6.8	1.20	<10	0.600	<10	0.100	<10	1.90	<10
Iron	100	15	9.10	<100	7.90	<100	6.20	<100	10.6	<100
Lead	3.0	1.6	0.300	<3.0	0.700	<3.0	0.800	<3.0	1.10	<3.0
Lithium	50	3.7								
Magnesium	5000	54	-2.40	<5000	-5.70	<5000	26.3	<5000	18.9	<5000
Manganese	15	.1	0.300	<15	0.300	<15	0.300	<15	0.400	<15
Molybdenum	20	.5								
Nickel	10	.3	-0.700	<10	0.00	<10	-0.200	<10	-0.800	<10
Phosphorus	50	1.8								
Potassium	10000	77	anr							
Selenium	10	2	0.700	<10	1.10	<10	-0.600	<10	0.900	<10
Silicon	200	1.3								
Silver	10	.9	anr							
Sodium	10000	23	36.5	<10000	185	<10000	294	<10000	217	<10000
Strontium	10	.4								
Sulfur	50	4.1								
Thallium	10	1.6	0.300	<10	-0.900	<10	0.900	<10	0.700	<10
Tin	10	.9								
Titanium	10	.9								
Tungsten	50	2								
Vanadium	50	.8	-0.100	<50	-0.200	<50	-0.400	<50	0.100	<50

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120324M1.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57424 Units: ug/l

Time:			15:04		16:03		17:02		18:02	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.2	0.500	<20	0.300	<20	0.200	<20	0.200	<20
Zirconium	10	.5								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120324M1.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57424 Units: ug/l

Time:			18:31		19:30		20:29		21:28	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	27	8.90	<200	17.6	<200	0.600	<200	-3.90	<200
Antimony	6.0	2.2	0.300	<6.0	0.400	<6.0	0.500	<6.0	-0.400	<6.0
Arsenic	3.0	1.3	1.60	<3.0	0.600	<3.0	0.900	<3.0	-0.500	<3.0
Barium	200	1	1.00	<200	0.800	<200	1.30	<200	0.100	<200
Beryllium	1.0	.2	0.200	<1.0	0.300	<1.0	0.200	<1.0	0.200	<1.0
Bismuth	20	2.1								
Boron	100	1								
Cadmium	3.0	.2	0.300	<3.0	0.100	<3.0	0.300	<3.0	0.200	<3.0
Calcium	5000	7.7	10.7	<5000	9.30	<5000	8.40	<5000	-0.100	<5000
Cerium	100									
Chromium	10	.5	0.200	<10	0.500	<10	0.100	<10	0.00	<10
Cobalt	50	.4	0.400	<50	0.600	<50	0.600	<50	0.300	<50
Copper	10	6.8	0.800	<10	0.700	<10	0.700	<10	1.60	<10
Iron	100	15	12.6	<100	11.6	<100	9.80	<100	6.10	<100
Lead	3.0	1.6	1.30	<3.0	0.800	<3.0	1.00	<3.0	0.300	<3.0
Lithium	50	3.7								
Magnesium	5000	54	36.3	<5000	33.0	<5000	7.50	<5000	-3.90	<5000
Manganese	15	.1	0.400	<15	0.400	<15	0.300	<15	0.300	<15
Molybdenum	20	.5								
Nickel	10	.3	0.200	<10	-0.400	<10	-0.700	<10	-0.700	<10
Phosphorus	50	1.8								
Potassium	10000	77	anr							
Selenium	10	2	0.100	<10	2.20	<10	2.60	<10	1.70	<10
Silicon	200	1.3								
Silver	10	.9	anr							
Sodium	10000	23	247	<10000	212	<10000	120	<10000	228	<10000
Strontium	10	.4								
Sulfur	50	4.1								
Thallium	10	1.6	0.400	<10	0.700	<10	0.300	<10	0.300	<10
Tin	10	.9								
Titanium	10	.9								
Tungsten	50	2								
Vanadium	50	.8	-0.100	<50	0.200	<50	0.100	<50	0.100	<50

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120324M1.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57424 Units: ug/l

Time:			18:31		19:30		20:29		21:28	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.2	0.400	<20	0.100	<20	0.200	<20	0.200	<20
Zirconium	10	.5								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120324M1.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57424 Units: ug/l

Time:			22:27		23:27	
Sample ID:			CCB12		CCB13	
Metal	RL	IDL	raw	final	raw	final
Aluminum	200	27	-2.90	<200	14.0	<200
Antimony	6.0	2.2	-0.500	<6.0	0.200	<6.0
Arsenic	3.0	1.3	0.500	<3.0	0.500	<3.0
Barium	200	1	-0.500	<200	0.100	<200
Beryllium	1.0	.2	0.300	<1.0	0.200	<1.0
Bismuth	20	2.1				
Boron	100	1				
Cadmium	3.0	.2	0.200	<3.0	0.100	<3.0
Calcium	5000	7.7	3.40	<5000	9.60	<5000
Cerium	100					
Chromium	10	.5	0.300	<10	0.300	<10
Cobalt	50	.4	0.400	<50	0.600	<50
Copper	10	6.8	1.60	<10	0.200	<10
Iron	100	15	11.8	<100	9.80	<100
Lead	3.0	1.6	0.600	<3.0	0.200	<3.0
Lithium	50	3.7				
Magnesium	5000	54	23.5	<5000	25.2	<5000
Manganese	15	.1	0.300	<15	0.300	<15
Molybdenum	20	.5				
Nickel	10	.3	-0.900	<10	-1.10	<10
Phosphorus	50	1.8				
Potassium	10000	77	anr			
Selenium	10	2	1.40	<10	0.200	<10
Silicon	200	1.3				
Silver	10	.9	anr			
Sodium	10000	23	131	<10000	123	<10000
Strontium	10	.4				
Sulfur	50	4.1				
Thallium	10	1.6	0.700	<10	1.40	<10
Tin	10	.9				
Titanium	10	.9				
Tungsten	50	2				
Vanadium	50	.8	0.100	<50	0.00	<50

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120324M1.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57424 Units: ug/l

Time:			22:27		23:27	
Sample ID:			CCB12		CCB13	
Metal	RL	IDL	raw	final	raw	final
Zinc	20	.2	0.100	<20	0.200	<20
Zirconium	10	.5				

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120324M1.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: to % Recovery Run ID: MA57424 Units: ug/l

Time:		12:24	
Sample ID:	ICCV	ICCV5	
Metal	True	Results	% Rec
Aluminum	40000	43200	108.0*(a
Antimony	2000	2040	102.0
Arsenic	2000	1980	99.0
Barium	2000	2120	106.0*(a
Beryllium	2000	2190	109.5*(a
Bismuth			
Boron			
Cadmium	2000	2130	106.5*(a
Calcium	40000	42400	106.0*(a
Cerium			
Chromium	2000	1990	99.5
Cobalt	2000	2080	104.0
Copper	2000	1920	96.0
Iron	40000	40300	100.8
Lead	2000	2080	104.0
Lithium			
Magnesium	40000	39500	98.8
Manganese	2000	1950	97.5
Molybdenum			
Nickel	2000	2110	105.5*(a
Phosphorus			
Potassium	anr		
Selenium	2000	2110	105.5*(a
Silicon			
Silver	anr		
Sodium	40000	41300	103.3
Strontium			
Sulfur			
Thallium	2000	2150	107.5*(a
Tin			
Titanium			
Tungsten			
Vanadium	2000	1960	98.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120324M1.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: to % Recovery Run ID: MA57424 Units: ug/l

Time:		12:24	
Sample ID:	ICCV	ICCV5	
Metal	True	Results	% Rec
Zinc	2000	2170	108.5*(a
Zirconium			

(*) Outside of QC limits
(anr) Analyte not requested
(a) Within 90 to 110 percent limits required for SW846 6010. No EPA 200.7 samples reported for this element in the area bracketed by this QC.

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120324M1.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57424 Units: ug/l

Time:		11:12			13:30			14:24	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40100	100.3	40000	38300	95.8	40000	40500	101.3
Antimony	2000	2080	104.0	2000	2000	100.0	2000	2030	101.5
Arsenic	2000	1990	99.5	2000	1960	98.0	2000	1980	99.0
Barium	2000	2040	102.0	2000	2050	102.5	2000	2090	104.5
Beryllium	2000	2070	103.5	2000	2040	102.0	2000	2110	105.5
Bismuth									
Boron									
Cadmium	2000	2000	100.0	2000	2090	104.5	2000	2110	105.5
Calcium	40000	40400	101.0	40000	38700	96.8	40000	40300	100.8
Cerium									
Chromium	2000	1960	98.0	2000	2090	104.5	2000	2050	102.5
Cobalt	2000	1970	98.5	2000	2110	105.5	2000	2140	107.0
Copper	2000	1950	97.5	2000	2060	103.0	2000	2030	101.5
Iron	40000	39800	99.5	40000	39100	97.8	40000	39400	98.5
Lead	2000	2010	100.5	2000	2100	105.0	2000	2130	106.5
Lithium									
Magnesium	40000	39400	98.5	40000	39300	98.3	40000	38900	97.3
Manganese	2000	1960	98.0	2000	2160	108.0	2000	2070	103.5
Molybdenum									
Nickel	2000	2000	100.0	2000	2130	106.5	2000	2160	108.0
Phosphorus									
Potassium	anr								
Selenium	2000	2040	102.0	2000	2120	106.0	2000	2150	107.5
Silicon									
Silver	anr								
Sodium	40000	41200	103.0	40000	39100	97.8	40000	40000	100.0
Strontium									
Sulfur									
Thallium	2000	2080	104.0	2000	2150	107.5	2000	2190	109.5
Tin									
Titanium									
Tungsten									
Vanadium	2000	1990	99.5	2000	2070	103.5	2000	2030	101.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120324M1.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57424 Units: ug/l

Time:		11:12			13:30			14:24	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	2000	2110	105.5*(a	2000	2130	106.5	2000	2120	106.0
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested
(a) Within 90 to 110 percent limits required for SW846 6010. No EPA 200.7 samples reported for this element in the area bracketed by this QC.

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120324M1.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57424 Units: ug/l

Time:		15:00			15:58			16:57	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	37900	94.8	40000	39800	99.5	40000	43000	107.5
Antimony	2000	1990	99.5	2000	2010	100.5	2000	2040	102.0
Arsenic	2000	1940	97.0	2000	1950	97.5	2000	1960	98.0
Barium	2000	2050	102.5	2000	2080	104.0	2000	2140	107.0
Beryllium	2000	2020	101.0	2000	2070	103.5	2000	2170	108.5
Bismuth									
Boron									
Cadmium	2000	2080	104.0	2000	2100	105.0	2000	2130	106.5
Calcium	40000	38400	96.0	40000	39900	99.8	40000	42100	105.3
Cerium									
Chromium	2000	2080	104.0	2000	2030	101.5	2000	2000	100.0
Cobalt	2000	2100	105.0	2000	2080	104.0	2000	2070	103.5
Copper	2000	2050	102.5	2000	1990	99.5	2000	1940	97.0
Iron	40000	38700	96.8	40000	38700	96.8	40000	39600	99.0
Lead	2000	2090	104.5	2000	2070	103.5	2000	2060	103.0
Lithium									
Magnesium	40000	38900	97.3	40000	38600	96.5	40000	39000	97.5
Manganese	2000	2110	105.5	2000	2020	101.0	2000	1940	97.0
Molybdenum									
Nickel	2000	2110	105.5	2000	2100	105.0	2000	2100	105.0
Phosphorus									
Potassium	anr								
Selenium	2000	2100	105.0	2000	2100	105.0	2000	2090	104.5
Silicon									
Silver	anr								
Sodium	40000	38800	97.0	40000	39600	99.0	40000	41200	103.0
Strontium									
Sulfur									
Thallium	2000	2150	107.5	2000	2150	107.5	2000	2160	108.0
Tin									
Titanium									
Tungsten									
Vanadium	2000	2060	103.0	2000	2010	100.5	2000	1970	98.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120324M1.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57424 Units: ug/l

Time:		15:00			15:58			16:57	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	2000	2100	105.0	2000	2110	105.5	2000	2150	107.5
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120324M1.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57424 Units: ug/l

Time:		17:57			18:26			19:25	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40000	100.0	40000	39500	98.8	40000	44400	111.0*(a
Antimony	2000	2000	100.0	2000	2000	100.0	2000	2020	101.0
Arsenic	2000	1960	98.0	2000	1960	98.0	2000	1940	97.0
Barium	2000	2100	105.0	2000	2090	104.5	2000	2160	108.0
Beryllium	2000	2080	104.0	2000	2050	102.5	2000	2200	110.0
Bismuth									
Boron									
Cadmium	2000	2090	104.5	2000	2100	105.0	2000	2120	106.0
Calcium	40000	39700	99.3	40000	39500	98.8	40000	42900	107.3
Cerium									
Chromium	2000	2100	105.0	2000	2110	105.5	2000	1980	99.0
Cobalt	2000	2140	107.0	2000	2100	105.0	2000	2030	101.5
Copper	2000	2070	103.5	2000	2060	103.0	2000	1900	95.0
Iron	40000	39000	97.5	40000	38800	97.0	40000	39600	99.0
Lead	2000	2130	106.5	2000	2100	105.0	2000	2040	102.0
Lithium									
Magnesium	40000	39300	98.3	40000	39500	98.8	40000	39300	98.3
Manganese	2000	2140	107.0	2000	2090	104.5	2000	1910	95.5
Molybdenum									
Nickel	2000	2150	107.5	2000	2110	105.5	2000	2070	103.5
Phosphorus									
Potassium	anr								
Selenium	2000	2120	106.0	2000	2110	105.5	2000	2070	103.5
Silicon									
Silver	anr								
Sodium	40000	40400	101.0	40000	40300	100.8	40000	42100	105.3
Strontium									
Sulfur									
Thallium	2000	2180	109.0	2000	2160	108.0	2000	2130	106.5
Tin									
Titanium									
Tungsten									
Vanadium	2000	2080	104.0	2000	2090	104.5	2000	1950	97.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120324M1.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57424 Units: ug/l

Time:		17:57			18:26			19:25	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	2000	2120	106.0	2000	2140	107.0	2000	2150	107.5
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples reported for this element in the area bracketed by this QC.

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120324M1.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57424 Units: ug/l

Time:		20:24			21:23			22:22	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40800	102.0	40000	41400	103.5	40000	43600	109.0
Antimony	2000	1990	99.5	2000	2000	100.0	2000	2020	101.0
Arsenic	2000	1930	96.5	2000	1960	98.0	2000	1940	97.0
Barium	2000	2120	106.0	2000	2120	106.0	2000	2160	108.0
Beryllium	2000	2090	104.5	2000	2120	106.0	2000	2160	108.0
Bismuth									
Boron									
Cadmium	2000	2090	104.5	2000	2100	105.0	2000	2110	105.5
Calcium	40000	40500	101.3	40000	40700	101.8	40000	42000	105.0
Cerium									
Chromium	2000	2100	105.0	2000	2080	104.0	2000	1950	97.5
Cobalt	2000	2090	104.5	2000	2130	106.5	2000	2090	104.5
Copper	2000	2040	102.0	2000	2030	101.5	2000	1920	96.0
Iron	40000	38800	97.0	40000	38900	97.3	40000	38500	96.3
Lead	2000	2090	104.5	2000	2130	106.5	2000	2080	104.0
Lithium									
Magnesium	40000	39700	99.3	40000	39200	98.0	40000	37800	94.5
Manganese	2000	2030	101.5	2000	2050	102.5	2000	1860	93.0
Molybdenum									
Nickel	2000	2100	105.0	2000	2150	107.5	2000	2110	105.5
Phosphorus									
Potassium	anr								
Selenium	2000	2070	103.5	2000	2110	105.5	2000	2070	103.5
Silicon									
Silver	anr								
Sodium	40000	41100	102.8	40000	40900	102.3	40000	41400	103.5
Strontium									
Sulfur									
Thallium	2000	2160	108.0	2000	2190	109.5	2000	2180	109.0
Tin									
Titanium									
Tungsten									
Vanadium	2000	2070	103.5	2000	2050	102.5	2000	1930	96.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120324M1.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57424 Units: ug/l

Time:		20:24			21:23			22:22	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	2000	2120	106.0	2000	2120	106.0	2000	2090	104.5
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120324M1.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57424 Units: ug/l

Time:		23:22	
Sample ID:	CCV	CCV12	
Metal	True	Results	% Rec
Aluminum	40000	43300	108.3
Antimony	2000	2020	101.0
Arsenic	2000	1940	97.0
Barium	2000	2150	107.5
Beryllium	2000	2160	108.0
Bismuth			
Boron			
Cadmium	2000	2110	105.5
Calcium	40000	41800	104.5
Cerium			
Chromium	2000	1980	99.0
Cobalt	2000	2060	103.0
Copper	2000	1920	96.0
Iron	40000	38500	96.3
Lead	2000	2050	102.5
Lithium			
Magnesium	40000	38200	95.5
Manganese	2000	1910	95.5
Molybdenum			
Nickel	2000	2080	104.0
Phosphorus			
Potassium	anr		
Selenium	2000	2060	103.0
Silicon			
Silver	anr		
Sodium	40000	41600	104.0
Strontium			
Sulfur			
Thallium	2000	2150	107.5
Tin			
Titanium			
Tungsten			
Vanadium	2000	1950	97.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120324M1.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57424 Units: ug/l

Time:		23:22	
Sample ID:	CCV	CCV12	
Metal	True	Results	% Rec
Zinc	2000	2110	105.5
Zirconium			

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120324M1.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 90 to 110 % Recovery Run ID: MA57424 Units: ug/l

Time:		12:59			13:05	
Sample ID:	HSTD	HSTD1		HSTD	HSTD2	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum				300000	304000	101.3
Antimony	8000	8210	102.6			
Arsenic	8000	7860	98.3			
Barium	8000	8110	101.4			
Beryllium	8000	8030	100.4			
Bismuth						
Boron						
Cadmium	8000	8100	101.3			
Calcium				200000	199000	99.5
Cerium						
Chromium	8000	8270	103.4			
Cobalt	8000	8340	104.3			
Copper	8000	8110	101.4			
Iron				200000	196000	98.0
Lead	8000	8470	105.9			
Lithium						
Magnesium				300000	299000	99.7
Manganese	8000	8440	105.5			
Molybdenum						
Nickel	8000	8400	105.0			
Phosphorus						
Potassium						
Selenium	8000	8220	102.8			
Silicon						
Silver	anr					
Sodium				200000	202000	101.0
Strontium						
Sulfur						
Thallium	8000	8410	105.1			
Tin						
Titanium						
Tungsten						
Vanadium	8000	8130	101.6			

HIGH STANDARD CHECK SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120324M1.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 90 to 110 % Recovery Run ID: MA57424 Units: ug/l

Time:		12:59			13:05	
Sample ID:	HSTD	HSTD1		HSTD	HSTD2	
Metal	True	Results	% Rec	True	Results	% Rec
Zinc	8000	8400	105.0			
Zirconium						

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120324M1.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA57424 Units: ug/l

Time:				12:39		12:43		18:06	
Sample ID:	CRI	CRIA	CRID	CRI2		CRID1		CRI3	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	185	92.5	104	104.0	206	103.0
Antimony	6.0	20	3.0	6.20	103.3			6.00	100.0
Arsenic	8.0	20	3.0	8.20	102.5	3.40	113.3	8.80	110.0
Barium	200		4.0	205	102.5	4.00	100.0	205	102.5
Beryllium	2.0		1.0	2.00	100.0	0.900	90.0	2.00	100.0
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	3.20	106.7	0.900	90.0	3.00	100.0
Calcium	5000	2000	1000	5330	106.6	1080	108.0	5260	105.2
Cerium									
Chromium	10		2.0	9.80	98.0	1.70	85.0	9.90	99.0
Cobalt	50		3.0	51.7	103.4			51.3	102.6
Copper	10		2.0	10.0	100.0			10.3	103.0
Iron	100	500		106	106.0			104	104.0
Lead	3.0	20	2.5	3.00	100.0			3.50	116.7
Lithium	50								
Magnesium	5000	2000	100	5160	103.2	120	120.0	5090	101.8
Manganese	15		3.0	14.7	98.0	2.80	93.3	14.5	96.7
Molybdenum	20								
Nickel	10		4.0	10.1	101.0	3.90	97.5	9.30	93.0
Phosphorus	50								
Potassium	5000		2000	anr					
Selenium	10	20	5.0	10.8	108.0			9.10	91.0
Silicon	200								
Silver	5.0		2.0	anr					
Sodium	5000		1000	5330	106.6	1060	106.0	5480	109.6
Strontium	10								
Sulfur	50								
Thallium	10		2.0	11.2	112.0	1.70	85.0		
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	48.0	96.0			48.1	96.2

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120324M1.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA57424 Units: ug/l

Time:				12:39		12:43		18:06	
Sample ID:	CRI	CRIA	CRID	CRI2		CRID1		CRI3	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zinc	20		10	22.5	112.5	10.5	105.0	22.0	110.0
Zirconium	10								

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120324M1.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA57424 Units: ug/l

Time:				18:11		18:36	
Sample ID:	CRI	CRIA	CRID	CRID2		CRI4	
Metal	True	True	True	Results	% Rec	Results	% Rec
Aluminum	200	500	100	108	108.0	231	115.5
Antimony	6.0	20	3.0			6.20	103.3
Arsenic	8.0	20	3.0	2.60	86.7	7.00	87.5
Barium	200		4.0	4.50	112.5	209	104.5
Beryllium	2.0		1.0	0.800	80.0	2.00	100.0
Bismuth	20						
Boron	100		10				
Cadmium	3.0		1.0	1.20	120.0	3.00	100.0
Calcium	5000	2000	1000	1090	109.0	5430	108.6
Cerium							
Chromium	10		2.0	1.60	80.0	9.80	98.0
Cobalt	50		3.0	3.30	110.0	50.6	101.2
Copper	10		2.0			9.70	97.0
Iron	100	500				105	105.0
Lead	3.0	20	2.5			2.90	96.7
Lithium	50						
Magnesium	5000	2000	100	114	114.0	5090	101.8
Manganese	15		3.0	2.80	93.3	14.1	94.0
Molybdenum	20						
Nickel	10		4.0	3.90	97.5	10.4	104.0
Phosphorus	50						
Potassium	5000		2000	anr			
Selenium	10	20	5.0			8.70	87.0
Silicon	200						
Silver	5.0		2.0				
Sodium	5000		1000			5600	112.0
Strontium	10						
Sulfur	50						
Thallium	10		2.0	2.10	105.0	8.50	85.0
Tin	10						
Titanium	10						
Tungsten	50						
Vanadium	50		2.0	1.70	85.0	48.0	96.0

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120324M1.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA57424 Units: ug/l

Time:				18:11		18:36	
Sample ID:	CRI	CRIA	CRID	CRID2		CRI4	
Metal	True	True	True	Results	% Rec	Results	% Rec
Zinc	20		10	10.3	103.0	22.2	111.0
Zirconium	10						

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120324M1.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 80 to 120 % Recovery Run ID: MA57424 Units: ug/l

Time:			12:48		12:53		18:16		18:21	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	553000	110.6	546000	109.2	557000	111.4	516000	103.2
Antimony		1000	-3.70		1120	112.0	-2.30		1090	109.0
Arsenic		1000	-0.900		1000	100.0	-2.10		996	99.6
Barium		500	-1.50		514	102.8	-1.10		514	102.8
Beryllium		500	-0.800		526	105.2	-0.800		508	101.6
Bismuth		500	0.900		552	110.4	-0.400		543	108.6
Boron		500	-9.40		501	100.2	-10.2		510	102.0
Cadmium		1000	-1.20		1050	105.0	-1.30		1040	104.0
Calcium	400000	400000	411000	102.8	403000	100.8	409000	102.3	385000	96.3
Cerium			-7.80		-8.20		-9.10		-3.50	
Chromium		500	-1.60		443	88.6	-1.70		473	94.6
Cobalt		500	3.50		473	94.6	3.20		486	97.2
Copper		500	-0.700		477	95.4	-1.00		518	103.6
Iron	200000	200000	197000	98.5	195000	97.5	194000	97.0	188000	94.0
Lead		1000	-0.300		919	91.9	-0.400		938	93.8
Lithium		500	-3.80		562	112.4	-0.700		572	114.4
Magnesium	500000	500000	490000	98.0	484000	96.8	481000	96.2	487000	97.4
Manganese		500	-5.30		462	92.4	-4.90		502	100.4
Molybdenum		500	-0.900		503	100.6	-0.500		499	99.8
Nickel		1000	-1.20		961	96.1	-0.700		975	97.5
Phosphorus		500			-28300				-28200	
Potassium			-36.5		-49.2		138		61.5	
Selenium		1000	0.200		1030	103.0	-2.10		1030	103.0
Silicon		500	-9.00		512	102.4	-6.70		508	101.6
Silver		1000	0.600		931	93.1	0.100		1020	102.0
Sodium			142		217		461		540	
Strontium		500	-0.500		479	95.8	-0.400		502	100.4
Sulfur		500	-5.20		497	99.4	-6.20		502	100.4
Thallium		1000	-1.20		968	96.8	-0.700		982	98.2
Tin		500	0.300		503	100.6	0.400		503	100.6
Titanium		500	0.400		542	108.4	0.600		563	112.6
Tungsten		500	1.70		472	94.4	2.20		470	94.0
Vanadium		500	-5.80		460	92.0	-5.70		493	98.6

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120324M1.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 80 to 120 % Recovery Run ID: MA57424 Units: ug/l

Time:			12:48		12:53		18:16		18:21	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Zinc		1000	-3.30		978	97.8	-2.70		963	96.3
Zirconium		500	-0.500		390		-0.400		399	

(*) Outside of QC limits
(anr) Analyte not requested

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57432
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:39	MA57432-STD1	1		STDA
12:44	MA57432-STD2	1		STDB
12:54	MA57432-ICV1	1		
12:59	MA57432-ICB1	1		
13:11	MA57432-ICCV1	1		
13:18	MA57432-ICCV2	1		
13:23	MA57432-CCB1	1		
13:29	MA57432-CRI1	1		
13:34	MA57432-CRID1	1		
13:39	MA57432-ICSA1	1		
13:44	MA57432-ICSAB1	1		
13:49	MA57432-HSTD1	1		
13:54	MA57432-HSTD2	1		
13:59	ZZZZZZ	1		
14:04	ZZZZZZ	1		
14:09	ZZZZZZ	1		
14:14	ZZZZZZ	1		
14:19	MA57432-CCV1	1		
14:24	MA57432-CCB2	1		
14:33	MA57432-CRID2	1		
14:38	MP51276-MB1	1		
14:43	MP51276-B1	1		
14:47	MP51276-S1	1		
14:52	MP51276-S2	1		
14:57	JE1638-4	1		(sample used for QC only; not part of login JE1534)
15:02	MP51276-SD1	5		
15:06	MP51276-PS1	1		
15:11	ZZZZZZ	1		
15:16	MA57432-CCV2	1		
15:20	MA57432-CCB3	1		
15:25	ZZZZZZ	1		
15:30	ZZZZZZ	1		
15:35	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57432
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:40	ZZZZZZ	1		
15:45	ZZZZZZ	1		
15:50	ZZZZZZ	1		
15:54	ZZZZZZ	1		
15:59	ZZZZZZ	1		
16:04	ZZZZZZ	1		
16:09	ZZZZZZ	1		
16:14	MA57432-CCV3	1		
16:18	MA57432-CCB4	1		
16:23	ZZZZZZ	1		
16:28	ZZZZZZ	1		
16:33	ZZZZZZ	1		
16:38	ZZZZZZ	1		
16:43	ZZZZZZ	1		
16:47	ZZZZZZ	1		
16:52	MP51271-B1	1		
16:57	MP51271-MB1	1		All ISTD out
17:02	MP51271-S1	1		
17:06	MP51271-S2	1		
17:11	MA57432-CCV4	1		
17:15	MA57432-CCB5	1		
17:20	JE1509-1	1		(sample used for QC only; not part of login JE1534)
17:25	MP51271-SD1	5		
17:29	MP51271-PS1	1		
17:34	ZZZZZZ	1		
17:39	ZZZZZZ	1		
17:44	ZZZZZZ	1		
17:49	ZZZZZZ	1		
17:54	ZZZZZZ	1		
17:59	ZZZZZZ	1		
18:03	ZZZZZZ	1		
18:08	MA57432-CCV5	1		
18:13	MA57432-CCB6	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57432
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:18	ZZZZZZ	1		
18:22	ZZZZZZ	1		
18:27	ZZZZZZ	1		
18:32	ZZZZZZ	1		
18:37	ZZZZZZ	1		
18:41	ZZZZZZ	1		
18:46	ZZZZZZ	1		
18:51	ZZZZZZ	1		
18:56	ZZZZZZ	1		
19:00	ZZZZZZ	1		
19:05	MA57432-CCV6	1		
19:10	MA57432-CCB7	1		
19:15	ZZZZZZ	1		
19:19	ZZZZZZ	1		
19:24	MP51211-PS1	1		
19:29	ZZZZZZ	1		
19:33	ZZZZZZ	1		
19:38	ZZZZZZ	1		
19:43	MP51272-B1	1		
19:47	MP51272-MB1	1		Confirm Zn
19:52	MP51272-S1	1		
19:57	MP51272-S2	1		
20:02	MA57432-CCV7	1		
20:06	MA57432-CCB8	1		
20:11	JE1640-1	1		(sample used for QC only; not part of login JE1534)
20:16	MP51272-SD1	5		
20:20	MP51272-PS1	1		Rerun S
20:25	ZZZZZZ	1		
20:30	ZZZZZZ	1		
20:35	ZZZZZZ	1		
20:40	ZZZZZZ	1		
20:45	ZZZZZZ	1		
20:50	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57432
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:55	ZZZZZZ	1		
20:59	MA57432-CCV8	1		
21:04	MA57432-CCB9	1		
21:09	ZZZZZZ	1		
21:14	ZZZZZZ	1		
21:19	ZZZZZZ	1		
21:24	ZZZZZZ	20		
21:29	ZZZZZZ	1		
21:33	ZZZZZZ	1		
21:38	ZZZZZZ	1		
21:43	ZZZZZZ	1		
21:48	ZZZZZZ	1		
21:52	ZZZZZZ	1		
21:57	MA57432-CCV9	1		
22:02	MA57432-CCB10	1		
22:06	ZZZZZZ	1		
22:11	ZZZZZZ	1		
22:16	ZZZZZZ	10		
22:21	ZZZZZZ	5		
22:25	ZZZZZZ	10		
22:30	ZZZZZZ	10		
22:35	ZZZZZZ	5		
22:40	ZZZZZZ	5		
22:44	ZZZZZZ	10		
22:49	MA57432-CCV10	1		
22:54	MA57432-CCB11	1		
22:58	MP51262-MB1	1		
23:03	MP51262-B1	1		
23:08	MP51262-S1	1		
23:13	MP51262-S2	1		
23:18	JE1550-1	1		(sample used for QC only; not part of login JE1534)
23:23	MP51262-SD1	5		
23:28	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57432
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
23:33	ZZZZZZ	1		
23:37	ZZZZZZ	1		
23:42	ZZZZZZ	1		
23:47	MA57432-CCV11	1		
23:51	MA57432-CCB12	1		
23:56	ZZZZZZ	1		
00:01	MP51268-B1	1		
00:06	MP51268-MB1	1		Rerun MB, Suspected spiked w/ Al
00:10	MP51268-S1	1		
00:15	MP51268-S2	1		
00:19	JE1585-1	1		(sample used for QC only; not part of login JE1534)
00:24	MP51268-SD1	5		
00:29	ZZZZZZ	1		
00:34	ZZZZZZ	1		
00:39	ZZZZZZ	1		
00:44	MA57432-CCV12	1		
00:48	MA57432-CCB13	1		
00:53	MP51217-MB1	1		
00:58	MP51217-B1	1		
01:03	MP51217-S1	1		
01:07	MP51217-S2	1		
01:12	JE1523-1	1		(sample used for QC only; not part of login JE1534)
01:17	MP51217-SD1	5		Not match
01:22	ZZZZZZ	1		
01:26	ZZZZZZ	1		
01:31	ZZZZZZ	1		
01:36	MA57432-CCV13	1		
01:41	MA57432-CCB14	1		
01:46	ZZZZZZ	1		
01:50	ZZZZZZ	1		
01:55	MP51263-S1	1		
02:00	MP51263-S2	1		
02:04	JE1559-1	1		(sample used for QC only; not part of login JE1534)

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57432
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	02:09	MP51263-SD1	5		
	02:14	JE1534-8	1		
---------->	Last reportable sample/prep for job JE1534				
	02:18	ZZZZZZ	1		
	02:23	ZZZZZZ	1		
	02:28	MA57432-CCV14	1		
	02:33	MA57432-CCB15	1		
---------->	Last reportable CCB for job JE1534				
	02:37	MP51171-MB2	1		
	02:42	MP51171-B3	1		
	02:47	MP51171-B4	1		
	02:51	MP51171-S1	1		Ca high
	02:56	MP51171-S2	1		Ca high
	03:01	JE1224-15	1		(sample used for QC only; not part of login JE1534)
	03:06	MP51171-SD1	5		
	03:11	MP51300-S1	1		
	03:15	MP51300-S2	1		
	03:20	JE1572-1	1		(sample used for QC only; not part of login JE1534)
	03:25	MA57432-CCV15	1		
	03:30	MA57432-CCB16	1		
	03:35	MP51300-SD1	5		
	03:39	MP51300-PS1	1		
	03:44	ZZZZZZ	1		
	03:49	MP51298-MB1	1		
	03:54	MP51298-B1	1		
	03:59	ZZZZZZ	1		
	04:04	ZZZZZZ	1		
	04:08	ZZZZZZ	1		
	04:13	MP51289-LB1	1		
	04:18	MP51301-MB1	1		
	04:18	MP51289-MB1	1		
	04:23	MA57432-CCV16	1		
	04:28	MA57432-CCB17	1		
	04:32	MP51289-B1	1		
	04:37	MP51289-LS1	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57432
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
04:42	MP51289-S1	5		
04:46	MP51289-S2	5		
04:51	JE1602-9	5		(sample used for QC only; not part of login JE1534)
04:56	MP51289-SD1	25		
05:01	ZZZZZZ	5		
05:06	ZZZZZZ	5		
05:11	ZZZZZZ	5		
05:16	ZZZZZZ	5		
05:21	MA57432-CCV17	1		
05:25	MA57432-CCB18	1		
05:30	ZZZZZZ	5		
05:35	MP51301-MB1	1		
05:40	MP51301-B1	1		
05:44	JE1719-1	1		(sample used for QC only; not part of login JE1534)
05:49	MP51301-S1	1		
05:54	MP51301-S2	1		
05:58	MP51301-SD1	5		
06:03	ZZZZZZ	1		
06:08	ZZZZZZ	1		
06:13	ZZZZZZ	1		
06:18	MA57432-CCV18	1		
06:22	MA57432-CCB19	1		
06:27	ZZZZZZ	1		
06:32	ZZZZZZ	1		
06:37	ZZZZZZ	1		
06:42	ZZZZZZ	1		
06:46	ZZZZZZ	1		
06:51	ZZZZZZ	1		
06:56	MA57432-CCV19	1		
07:01	MA57432-CCB20	1		
07:05	ZZZZZZ	1		

Refer to raw data for calibration curve and standards.

REPORTED ELEMENTS SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57432
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	
12:54	MA57432-ICV1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
12:59	MA57432-ICB1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
13:11	MA57432-ICCV1	1																							
13:18	MA57432-ICCV2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
13:23	MA57432-CCB1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
13:29	MA57432-CRI1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
13:34	MA57432-CRID1	1																							
13:39	MA57432-ICSA1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
13:44	MA57432-ICSAB1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
13:49	MA57432-HSTD1	1	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	
13:54	MA57432-HSTD2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
13:59	ZZZZZZ	1																							
14:04	ZZZZZZ	1																							
14:09	ZZZZZZ	1																							
14:14	ZZZZZZ	1																							
14:19	MA57432-CCV1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14:24	MA57432-CCB2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14:33	MA57432-CRID2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14:38	MP51276-MB1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14:43	MP51276-B1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14:47	MP51276-S1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14:52	MP51276-S2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14:57	JE1638-4	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	(a)
15:02	MP51276-SD1	5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
15:06	MP51276-PS1	1		X											X										
15:11	ZZZZZZ	1																							
15:16	MA57432-CCV2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
15:20	MA57432-CCB3	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
15:25	ZZZZZZ	1																							
15:30	ZZZZZZ	1																							
15:35	ZZZZZZ	1																							
15:40	ZZZZZZ	1																							
15:45	ZZZZZZ	1																							
		Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	

REPORTED ELEMENTS SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57432
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	
15:50	ZZZZZZ	1																							
15:54	ZZZZZZ	1																							
15:59	ZZZZZZ	1																							
16:04	ZZZZZZ	1																							
16:09	ZZZZZZ	1																							
16:14	MA57432-CCV3	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
16:18	MA57432-CCB4	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
16:23	ZZZZZZ	1																							
16:28	ZZZZZZ	1																							
16:33	ZZZZZZ	1																							
16:38	ZZZZZZ	1																							
16:43	ZZZZZZ	1																							
16:47	ZZZZZZ	1																							
16:52	MP51271-B1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
16:57	MP51271-MB1	1																							
17:02	MP51271-S1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
17:06	MP51271-S2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
17:11	MA57432-CCV4	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
17:15	MA57432-CCB5	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
17:20	JE1509-1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	(a)
17:25	MP51271-SD1	5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
17:29	MP51271-PS1	1	X	X																					
17:34	ZZZZZZ	1																							
17:39	ZZZZZZ	1																							
17:44	ZZZZZZ	1																							
17:49	ZZZZZZ	1																							
17:54	ZZZZZZ	1																							
17:59	ZZZZZZ	1																							
18:03	ZZZZZZ	1																							
18:08	MA57432-CCV5	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
18:13	MA57432-CCB6	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
18:18	ZZZZZZ	1																							
18:22	ZZZZZZ	1																							
		Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	

REPORTED ELEMENTS SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57432
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	
18:27	ZZZZZZ	1																							
18:32	ZZZZZZ	1																							
18:37	ZZZZZZ	1																							
18:41	ZZZZZZ	1																							
18:46	ZZZZZZ	1																							
18:51	ZZZZZZ	1																							
18:56	ZZZZZZ	1																							
19:00	ZZZZZZ	1																							
19:05	MA57432-CCV6	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
19:10	MA57432-CCB7	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
19:15	ZZZZZZ	1																							
19:19	ZZZZZZ	1																							
19:24	MP51211-PS1	1		X																X				X	
19:29	ZZZZZZ	1																							
19:33	ZZZZZZ	1																							
19:38	ZZZZZZ	1																							
19:43	MP51272-B1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
19:47	MP51272-MB1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
19:52	MP51272-S1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
19:57	MP51272-S2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
20:02	MA57432-CCV7	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
20:06	MA57432-CCB8	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
20:11	JE1640-1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	(a)
20:16	MP51272-SD1	5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
20:20	MP51272-PS1	1	X	X					X				X	X											
20:25	ZZZZZZ	1																							
20:30	ZZZZZZ	1																							
20:35	ZZZZZZ	1																							
20:40	ZZZZZZ	1																							
20:45	ZZZZZZ	1																							
20:50	ZZZZZZ	1																							
20:55	ZZZZZZ	1																							
20:59	MA57432-CCV8	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
		Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	

REPORTED ELEMENTS SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57432
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	
21:04	MA57432-CCB9	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
21:09	ZZZZZZ	1																							
21:14	ZZZZZZ	1																							
21:19	ZZZZZZ	1																							
21:24	ZZZZZZ	20																							
21:29	ZZZZZZ	1																							
21:33	ZZZZZZ	1																							
21:38	ZZZZZZ	1																							
21:43	ZZZZZZ	1																							
21:48	ZZZZZZ	1																							
21:52	ZZZZZZ	1																							
21:57	MA57432-CCV9	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
22:02	MA57432-CCB10	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
22:06	ZZZZZZ	1																							
22:11	ZZZZZZ	1																							
22:16	ZZZZZZ	10																							
22:21	ZZZZZZ	5																							
22:25	ZZZZZZ	10																							
22:30	ZZZZZZ	10																							
22:35	ZZZZZZ	5																							
22:40	ZZZZZZ	5																							
22:44	ZZZZZZ	10																							
22:49	MA57432-CCV10	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
22:54	MA57432-CCB11	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
22:58	MP51262-MB1	1	X	X	X	X	X	X		X		X	X	X		X	X		X	X	X	X	X	X	
23:03	MP51262-B1	1	X	X	X	X	X	X		X		X	X	X		X	X		X	X	X	X	X	X	
23:08	MP51262-S1	1	X			X				X		X	X			X	X		X	X		X	X	X	
23:13	MP51262-S2	1	X			X				X		X	X			X	X		X	X		X	X	X	
23:18	JE1550-1	1	X							X		X	X				X		X	X		X	X	X	(a)
23:23	MP51262-SD1	5	X			X				X		X	X			X	X		X	X		X	X	X	
23:28	ZZZZZZ	1																							
23:33	ZZZZZZ	1																							
23:37	ZZZZZZ	1																							
		Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	

REPORTED ELEMENTS SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57432
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	
23:42	ZZZZZZ	1																							
23:47	MA57432-CCV11	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
23:51	MA57432-CCB12	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
23:56	ZZZZZZ	1																							
00:01	MP51268-B1	1	X										X	X	X		X							X	
00:06	MP51268-MB1	1											X	X	X		X							X	
00:10	MP51268-S1	1	X										X	X	X		X							X	
00:15	MP51268-S2	1	X										X	X	X		X							X	
00:19	JE1585-1	1	X										X	X	X		X							X	(a)
00:24	MP51268-SD1	5	X										X	X	X		X							X	
00:29	ZZZZZZ	1																							
00:34	ZZZZZZ	1																							
00:39	ZZZZZZ	1																							
00:44	MA57432-CCV12	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
00:48	MA57432-CCB13	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
00:53	MP51217-MB1	1		X									X	X		X					X				
00:58	MP51217-B1	1		X									X	X		X					X				
01:03	MP51217-S1	1	X						X	X		X	X			X	X							X	
01:07	MP51217-S2	1	X						X	X		X	X			X	X							X	
01:12	JE1523-1	1								X		X					X							X	(a)
01:17	MP51217-SD1	5	Not match																						
01:22	ZZZZZZ	1																							
01:26	ZZZZZZ	1																							
01:31	ZZZZZZ	1																							
01:36	MA57432-CCV13	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
01:41	MA57432-CCB14	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
01:46	ZZZZZZ	1																							
01:50	ZZZZZZ	1																							
01:55	MP51263-S1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
02:00	MP51263-S2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
02:04	JE1559-1	1			X		X				X		X								X				(a)
02:09	MP51263-SD1	5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
02:14	JE1534-8	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
		Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	

REPORTED ELEMENTS SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57432
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	
02:18	ZZZZZZ	1																							
02:23	ZZZZZZ	1																							
02:28	MA57432-CCV14	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
02:33	MA57432-CCB15	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
02:37	MP51171-MB2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
02:42	MP51171-B3	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
02:47	MP51171-B4	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
02:51	MP51171-S1	1	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
02:56	MP51171-S2	1	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
03:01	JE1224-15	1																							(a)
03:06	MP51171-SD1	5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
03:11	MP51300-S1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	
03:15	MP51300-S2	1	X	X	X	X	X	X		X	X			X	X		X	X			X		X	X	
03:20	JE1572-1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	(a)
03:25	MA57432-CCV15	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
03:30	MA57432-CCB16	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
03:35	MP51300-SD1	5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	
03:39	MP51300-PS1	1	X	X					X						X	X									
03:44	ZZZZZZ	1																							
03:49	MP51298-MB1	1	X		X				X			X	X	X		X					X			X	
03:54	MP51298-B1	1	X		X				X			X	X	X		X					X			X	
03:59	ZZZZZZ	1																							
04:04	ZZZZZZ	1																							
04:08	ZZZZZZ	1																							
04:13	MP51289-LB1	1																							
04:18	MP51301-MB1	1																							
04:18	MP51289-MB1	1			X	X		X		X				X						X	X				
04:23	MA57432-CCV16	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
04:28	MA57432-CCB17	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
04:32	MP51289-B1	1			X	X		X		X				X						X	X				
04:37	MP51289-LS1	1			X	X		X		X				X						X	X				
04:42	MP51289-S1	5			X	X		X		X				X						X	X				
04:46	MP51289-S2	5			X	X		X		X				X						X	X				
		Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	

REPORTED ELEMENTS SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57432
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	
04:51	JE1602-9	5			X	X		X		X				X					X	X					(a)
04:56	MP51289-SD1	25			X	X		X		X				X					X	X					
05:01	ZZZZZZ	5																							
05:06	ZZZZZZ	5																							
05:11	ZZZZZZ	5																							
05:16	ZZZZZZ	5																							
05:21	MA57432-CCV17	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
05:25	MA57432-CCB18	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
05:30	ZZZZZZ	5																							
05:35	MP51301-MB1	1	X		X		X		X		X	X	X			X								X	
05:40	MP51301-B1	1	X		X		X		X		X	X	X			X								X	
05:44	JE1719-1	1	X		X		X		X		X		X			X								X	(a)
05:49	MP51301-S1	1	X		X		X		X		X	X	X			X								X	
05:54	MP51301-S2	1	X		X		X		X		X	X	X			X								X	
05:58	MP51301-SD1	5	X		X		X		X		X	X	X			X								X	
06:03	ZZZZZZ	1																							
06:08	ZZZZZZ	1																							
06:13	ZZZZZZ	1																							
06:18	MA57432-CCV18	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
06:22	MA57432-CCB19	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
06:27	ZZZZZZ	1																							
06:32	ZZZZZZ	1																							
06:37	ZZZZZZ	1																							
06:42	ZZZZZZ	1																							
06:46	ZZZZZZ	1																							
06:51	ZZZZZZ	1																							
06:56	MA57432-CCV19	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
07:01	MA57432-CCB20	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
07:05	ZZZZZZ	1																							

(a) Sample used for QC only; not part of login JE1534.

Element: Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn

INTERNAL STANDARD SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57432
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
12:39	MA57432-STD1	5505 R	110670 R	15848 R	8859 R
12:44	MA57432-STD2	5297	106650	15516	8459
12:54	MA57432-ICV1	5458	109510	15921	8647
12:59	MA57432-ICB1	5728	114910	17063	9054
13:11	MA57432-ICCV1	No results reported for the elements associated with this internal standard.			
13:18	MA57432-ICCV2	5333	106600	15399	8530
13:23	MA57432-CCB1	5559	111040	15770	8844
13:29	MA57432-CRI1	5667	113860	16830	8957
13:34	MA57432-CRID1	No results reported for the elements associated with this internal standard.			
13:39	MA57432-ICSA1	5086	101210	15069	8100
13:44	MA57432-ICSAB1	5083	101170	14861	8080
13:49	MA57432-HSTD1	5520	110260	15456	8904
13:54	MA57432-HSTD2	5403	108610	16025	8388
13:59	ZZZZZZ	No results reported for the elements associated with this internal standard.			
14:04	ZZZZZZ	No results reported for the elements associated with this internal standard.			
14:09	ZZZZZZ	No results reported for the elements associated with this internal standard.			
14:14	ZZZZZZ	No results reported for the elements associated with this internal standard.			
14:19	MA57432-CCV1	5455	110410	15102	8693
14:24	MA57432-CCB2	5763	115980	16894	9093
14:33	MA57432-CRID2	5530	111710	16028	8896
14:38	MP51276-MB1	5573	112290	16117	8932
14:43	MP51276-B1	5383	109240	15662	8647
14:47	MP51276-S1	5438	109000	15865	8681
14:52	MP51276-S2	5666	113220	16801	8878
14:57	JE1638-4	5722	114890	17477	8980
15:02	MP51276-SD1	5587	112270	16334	8901
15:06	MP51276-PS1	5429	108500	16065	8661
15:11	ZZZZZZ	5623	111820	16377	8818
15:16	MA57432-CCV2	5365	108810	15490	8612
15:20	MA57432-CCB3	5715	115080	16621	9048
15:25	ZZZZZZ	5981	119200	18007	9029
15:30	ZZZZZZ	5577	111840	16513	8875
15:35	ZZZZZZ	5526	111060	16227	8829

INTERNAL STANDARD SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57432
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:40	ZZZZZZ	5501	111180	16223	8909
15:45	ZZZZZZ	5690	114980	16363	8928
15:50	ZZZZZZ	5776	116750	17514	9026
15:54	ZZZZZZ	5663	114460	17021	8899
15:59	ZZZZZZ	5552	111690	16337	8806
16:04	ZZZZZZ	5670	114420	16418	8802
16:09	ZZZZZZ	5451	109740	15749	8643
16:14	MA57432-CCV3	5543	112110	16138	8762
16:18	MA57432-CCB4	5737	116090	17128	9082
16:23	ZZZZZZ	5683	114610	16803	8877
16:28	ZZZZZZ	5599	112230	16259	8829
16:33	ZZZZZZ	5515	111410	16050	8738
16:38	ZZZZZZ	5542	111260	15852	8787
16:43	ZZZZZZ	5834	117380	17396	9035
16:47	ZZZZZZ	5673	114040	16958	8841
16:52	MP51271-B1	5433	109770	15737	8711
16:57	MP51271-MB1	16162 !a	314810 !a	38880 !a	25011 !a
17:02	MP51271-S1	5378	108160	15406	8625
17:06	MP51271-S2	5607	112210	16274	8847
17:11	MA57432-CCV4	5600	112830	16804	8821
17:15	MA57432-CCB5	5580	112100	16110	8983
17:20	JE1509-1	5445	109510	15583	8739
17:25	MP51271-SD1	5466	110960	15543	8816
17:29	MP51271-PS1	5551	112220	16061	8770
17:34	ZZZZZZ	5583	114700	17357	9310
17:39	ZZZZZZ	5587	113630	16250	8950
17:44	ZZZZZZ	5424	108500	15590	8701
17:49	ZZZZZZ	5453	109640	15537	8878
17:54	ZZZZZZ	5853	117560	17040	8986
17:59	ZZZZZZ	5815	116920	17398	9006
18:03	ZZZZZZ	5580	111810	16282	8775
18:08	MA57432-CCV5	5395	109040	15526	8669
18:13	MA57432-CCB6	5458	111610	15454	8864

INTERNAL STANDARD SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57432
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
18:18	ZZZZZZ	5770	114570	16375	8997
18:22	ZZZZZZ	5878	117740	17570	9036
18:27	ZZZZZZ	5697	114870	16725	8951
18:32	ZZZZZZ	5611	112680	16220	8788
18:37	ZZZZZZ	5473	110220	15808	8707
18:41	ZZZZZZ	5996	120540	17230	9007
18:46	ZZZZZZ	5932	119170	17760	9040
18:51	ZZZZZZ	5724	114600	16632	8939
18:56	ZZZZZZ	5512	111600	15871	8714
19:00	ZZZZZZ	5452	110240	15604	8697
19:05	MA57432-CCV6	5478	110990	15770	8727
19:10	MA57432-CCB7	5760	117380	16910	9134
19:15	ZZZZZZ	5713	115340	16853	8921
19:19	ZZZZZZ	5570	112910	16044	8803
19:24	MP51211-PS1	5354	108430	15551	8602
19:29	ZZZZZZ	5679	114280	16365	8921
19:33	ZZZZZZ	5804	116560	17292	9049
19:38	ZZZZZZ	5724	115870	16953	8915
19:43	MP51272-B1	5452	110720	15759	8779
19:47	MP51272-MB1	5522	112460	15770	8939
19:52	MP51272-S1	5707	115110	16682	8865
19:57	MP51272-S2	5830	117880	17590	8985
20:02	MA57432-CCV7	5470	110580	16013	8760
20:06	MA57432-CCB8	5497	112020	15627	8903
20:11	JE1640-1	5613	112840	16002	8801
20:16	MP51272-SD1	5747	115860	16687	9047
20:20	MP51272-PS1	5749	116390	17440	8880
20:25	ZZZZZZ	6135	123470	18012	8842
20:30	ZZZZZZ	5281	108270	15184	8537
20:35	ZZZZZZ	5691	114320	16131	8913
20:40	ZZZZZZ	5879	117910	17401	9140
20:45	ZZZZZZ	5832	117490	17511	9042
20:50	ZZZZZZ	5680	115180	16535	8929

INTERNAL STANDARD SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57432
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
20:55	ZZZZZZ	5642	113210	16053	8896
20:59	MA57432-CCV8	5586	113130	16242	8846
21:04	MA57432-CCB9	5698	116380	16962	9081
21:09	ZZZZZZ	5720	115270	16692	8964
21:14	ZZZZZZ	5646	113600	16165	8918
21:19	ZZZZZZ	5278	110970	16154	10311
21:24	ZZZZZZ	5753	118630	17220	9232
21:29	ZZZZZZ	5647	114500	16587	8850
21:33	ZZZZZZ	5528	111040	15908	8735
21:38	ZZZZZZ	5559	112250	15650	8804
21:43	ZZZZZZ	5857	118430	17106	9039
21:48	ZZZZZZ	5874	118920	17490	9069
21:52	ZZZZZZ	5558	999999 !a	16079	8809
21:57	MA57432-CCV9	5368	109430	15360	8667
22:02	MA57432-CCB10	5559	113330	15629	8937
22:06	ZZZZZZ	5874	120820	17297	9030
22:11	ZZZZZZ	5562	114340	16654	8827
22:16	ZZZZZZ	5523	111820	15808	8933
22:21	ZZZZZZ	5514	110770	15539	8911
22:25	ZZZZZZ	5717	115360	16506	9066
22:30	ZZZZZZ	5755	116790	17186	9120
22:35	ZZZZZZ	5602	113590	16189	9012
22:40	ZZZZZZ	5490	111040	15726	8881
22:44	ZZZZZZ	5618	113860	15960	8963
22:49	MA57432-CCV10	5656	114900	16728	8927
22:54	MA57432-CCB11	5636	114850	16605	9056
22:58	MP51262-MB1	5422	110090	15421	8842
23:03	MP51262-B1	5271	107970	15014	8568
23:08	MP51262-S1	5028	104340	15534	7762
23:13	MP51262-S2	5002	103790	15965	7739
23:18	JE1550-1	4888	100760	14966	7638
23:23	MP51262-SD1	5247	106760	15037	8396
23:28	ZZZZZZ	5509	112710	16111	8726

INTERNAL STANDARD SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57432
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
23:33	ZZZZZZ	5648	113700	16833	8950
23:37	ZZZZZZ	5312	109170	15739	8499
23:42	ZZZZZZ	5392	109990	15292	8788
23:47	MA57432-CCV11	5466	112050	15679	8693
23:51	MA57432-CCB12	5751	116670	16863	9109
23:56	ZZZZZZ	5417	110260	16095	8658
00:01	MP51268-B1	5301	107950	15263	8610
00:06	MP51268-MB1	5495	110820	15367	8864
00:10	MP51268-S1	5504	112740	16676	8660
00:15	MP51268-S2	5448	111960	16899	8626
00:19	JE1585-1	5347	109610	15757	8600
00:24	MP51268-SD1	5368	109200	15250	8711
00:29	ZZZZZZ	4817	99895	15490	7304
00:34	ZZZZZZ	4885	101980	16288	7381
00:39	ZZZZZZ	5381	110480	15993	8645
00:44	MA57432-CCV12	5356	109020	15330	8636
00:48	MA57432-CCB13	5552	112410	15590	8892
00:53	MP51217-MB1	5747	116450	16843	9093
00:58	MP51217-B1	5546	112980	16702	8855
01:03	MP51217-S1	4876	100440	14955	7614
01:07	MP51217-S2	4899	100260	14656	7632
01:12	JE1523-1	5092	105240	15896	7798
01:17	MP51217-SD1	No results reported for the elements associated with this internal standard.			
01:22	ZZZZZZ	5459	111010	15966	8824
01:26	ZZZZZZ	5357	109270	15171	8741
01:31	ZZZZZZ	5130	105870	15337	7984
01:36	MA57432-CCV13	5650	114630	16839	8877
01:41	MA57432-CCB14	5622	114890	16475	9025
01:46	ZZZZZZ	No results reported for the elements associated with this internal standard.			
01:50	ZZZZZZ	No results reported for the elements associated with this internal standard.			
01:55	MP51263-S1	5648	115350	16559	8884
02:00	MP51263-S2	5719	116440	17202	8973
02:04	JE1559-1	5569	114170	16326	8918

INTERNAL STANDARD SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57432
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
02:09	MP51263-SD1	5462	111270	15553	8851
02:14	JE1534-8	5637	114570	15950	8999
02:18	ZZZZZZ	5806	118150	17193	9135
02:23	ZZZZZZ	5483	112350	16666	8563
02:28	MA57432-CCV14	5381	109310	15430	8665
02:33	MA57432-CCB15	5455	111330	15358	8862
02:37	MP51171-MB2	5686	117030	16383	9026
02:42	MP51171-B3	5701	116400	17074	8997
02:47	MP51171-B4	5521	112720	16104	8855
02:51	MP51171-S1	5245	108400	15373	8374
02:56	MP51171-S2	5347	109310	15478	8424
03:01	JE1224-15	5551	114480	16646	8662
03:06	MP51171-SD1	5571	114600	16523	8881
03:11	MP51300-S1	5401	109970	15716	8595
03:15	MP51300-S2	5492	111050	15786	8568
03:20	JE1572-1	5738	116230	16791	8886
03:25	MA57432-CCV15	5615	114200	16730	8866
03:30	MA57432-CCB16	5532	112710	15840	8926
03:35	MP51300-SD1	5425	110610	15385	8740
03:39	MP51300-PS1	5543	113090	15826	8676
03:44	ZZZZZZ	5811	117570	17192	8949
03:49	MP51298-MB1	5525	112100	16276	8894
03:54	MP51298-B1	5291	107530	15185	8564
03:59	ZZZZZZ	5403	109570	15301	8654
04:04	ZZZZZZ	5660	115140	16657	8938
04:08	ZZZZZZ	5589	114440	16869	8820
04:13	MP51289-LB1	5236	106970	15742	8117
04:18	MP51301-MB1	No results reported for the elements associated with this internal standard.			
04:18	MP51289-MB1	5461	111480	15339	8851
04:23	MA57432-CCV16	5496	112090	15842	8705
04:28	MA57432-CCB17	5749	116140	16866	9084
04:32	MP51289-B1	5518	112110	16211	8824
04:37	MP51289-LS1	5191	106190	15411	8052

INTERNAL STANDARD SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57432
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
04:42	MP51289-S1	5383	109430	15246	8519
04:46	MP51289-S2	5603	114300	16564	8692
04:51	JE1602-9	5534	113620	16531	8691
04:56	MP51289-SD1	5444	110680	15499	8740
05:01	ZZZZZZ	5322	108880	15053	8493
05:06	ZZZZZZ	5515	112820	16107	8605
05:11	ZZZZZZ	5607	114380	16754	8737
05:16	ZZZZZZ	5393	109980	15710	8538
05:21	MA57432-CCV17	5316	108450	15060	8564
05:25	MA57432-CCB18	5578	113300	15743	8892
05:30	ZZZZZZ	5616	114200	16585	8724
05:35	MP51301-MB1	5472	110320	15916	8834
05:40	MP51301-B1	5249	106480	14963	8516
05:44	JE1719-1	5323	107720	14871	8569
05:49	MP51301-S1	5457	111250	16111	8619
05:54	MP51301-S2	5441	110520	16386	8610
05:58	MP51301-SD1	5426	110700	15491	8757
06:03	ZZZZZZ	5049	104280	14640	8115
06:08	ZZZZZZ	5350	110170	15714	8444
06:13	ZZZZZZ	5712	116360	17289	9006
06:18	MA57432-CCV18	5484	111160	16120	8738
06:22	MA57432-CCB19	5477	112380	15499	8861
06:27	ZZZZZZ	5537	113140	15941	8761
06:32	ZZZZZZ	5660	115950	17071	8872
06:37	ZZZZZZ	5496	112550	16595	8752
06:42	ZZZZZZ	5356	109620	15497	8623
06:46	ZZZZZZ	5410	109690	15295	8644
06:51	ZZZZZZ	5543	112940	16319	8754
06:56	MA57432-CCV19	5594	114260	16789	8842
07:01	MA57432-CCB20	5546	112080	15877	8936
07:05	ZZZZZZ	No results reported for the elements associated with this internal standard.			

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %

INTERNAL STANDARD SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57432
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4

Istd#4	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %
Istd#4	Indium	70-130 %

(a) No samples reported for the elements associated with this internal standard.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57432 Units: ug/l

Time:			12:59		13:23		14:24		15:20	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	17	5.20	<200	19.0	<200	-2.60	<200	26.9	<200
Antimony	6.0	1.7	1.40	<6.0	1.10	<6.0	0.800	<6.0	1.00	<6.0
Arsenic	3.0	2.1	2.40	<3.0	-0.400	<3.0	2.10	<3.0	1.30	<3.0
Barium	200	.8	-0.400	<200	0.500	<200	-0.100	<200	-0.200	<200
Beryllium	1.0	.3	0.100	<1.0	0.00	<1.0	0.100	<1.0	0.100	<1.0
Bismuth	20	2.3								
Boron	100	2.3	anr							
Cadmium	3.0	.3	-0.200	<3.0	-0.100	<3.0	0.00	<3.0	-0.100	<3.0
Calcium	5000	6.6	0.400	<5000	-2.30	<5000	-2.50	<5000	-2.10	<5000
Cerium	100									
Chromium	10	.3	0.600	<10	-0.300	<10	0.00	<10	0.100	<10
Cobalt	50	.4	0.600	<50	0.100	<50	0.100	<50	0.200	<50
Copper	10	.8	0.800	<10	-0.400	<10	0.900	<10	0.300	<10
Iron	100	5.3	3.60	<100	1.30	<100	1.90	<100	2.30	<100
Lead	3.0	1.1	1.00	<3.0	1.00	<3.0	0.00	<3.0	0.500	<3.0
Lithium	50	4.8	anr							
Magnesium	5000	32	-0.900	<5000	21.8	<5000	20.1	<5000	8.80	<5000
Manganese	15	.1	0.100	<15	0.00	<15	0.300	<15	0.00	<15
Molybdenum	20	.6								
Nickel	10	.4	0.100	<10	-0.100	<10	0.300	<10	-0.300	<10
Phosphorus	50	1.2								
Potassium	10000	77	73.0	<10000	-12.2	<10000	60.0	<10000	-17.2	<10000
Selenium	10	3.2	2.90	<10	4.60	<10	2.20	<10	3.70	<10
Silicon	200	1.7								
Silver	10	1	-0.100	<10	-0.200	<10	-0.300	<10	-0.500	<10
Sodium	10000	34	64.7	<10000	73.3	<10000	64.0	<10000	72.4	<10000
Strontium	10	.3								
Sulfur	50	3	anr							
Thallium	10	1.8	-1.20	<10	-0.400	<10	-1.30	<10	-2.10	<10
Tin	10	.8	anr							
Titanium	10	.5								
Tungsten	50	2.6								
Vanadium	50	.6	0.400	<50	-0.700	<50	0.200	<50	0.600	<50

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57432 Units: ug/l

Time:			12:59		13:23		14:24		15:20	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.1	-0.100	<20	-0.200	<20	-0.200	<20	-0.100	<20
Zirconium	10	.3								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57432 Units: ug/l

Time:			16:18		17:15		18:13		19:10	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	17	1.10	<200	16.3	<200	14.9	<200	-1.70	<200
Antimony	6.0	1.7	1.10	<6.0	0.700	<6.0	0.800	<6.0	-0.600	<6.0
Arsenic	3.0	2.1	0.800	<3.0	0.900	<3.0	2.30	<3.0	2.00	<3.0
Barium	200	.8	-0.300	<200	-0.200	<200	0.900	<200	-0.100	<200
Beryllium	1.0	.3	0.100	<1.0	0.00	<1.0	0.100	<1.0	0.100	<1.0
Bismuth	20	2.3								
Boron	100	2.3	anr							
Cadmium	3.0	.3	0.100	<3.0	0.00	<3.0	0.100	<3.0	-0.200	<3.0
Calcium	5000	6.6	0.800	<5000	-0.900	<5000	-0.400	<5000	-0.900	<5000
Cerium	100									
Chromium	10	.3	-0.100	<10	0.100	<10	0.100	<10	-0.200	<10
Cobalt	50	.4	-0.300	<50	0.100	<50	0.200	<50	0.400	<50
Copper	10	.8	1.00	<10	0.200	<10	-0.900	<10	0.900	<10
Iron	100	5.3	2.60	<100	0.800	<100	4.40	<100	5.70	<100
Lead	3.0	1.1	0.500	<3.0	0.100	<3.0	0.500	<3.0	0.00	<3.0
Lithium	50	4.8	anr							
Magnesium	5000	32	17.8	<5000	18.8	<5000	0.100	<5000	21.8	<5000
Manganese	15	.1	0.00	<15	0.00	<15	0.00	<15	0.00	<15
Molybdenum	20	.6								
Nickel	10	.4	-0.100	<10	0.200	<10	-0.100	<10	0.200	<10
Phosphorus	50	1.2								
Potassium	10000	77	77.7	<10000	62.7	<10000	-33.5	<10000	60.4	<10000
Selenium	10	3.2	2.90	<10	2.10	<10	4.10	<10	2.70	<10
Silicon	200	1.7								
Silver	10	1	-0.300	<10	-0.200	<10	-0.500	<10	-0.600	<10
Sodium	10000	34	37.3	<10000	54.2	<10000	61.2	<10000	39.5	<10000
Strontium	10	.3								
Sulfur	50	3	anr							
Thallium	10	1.8	0.100	<10	-1.50	<10	-0.600	<10	-0.400	<10
Tin	10	.8	anr							
Titanium	10	.5								
Tungsten	50	2.6								
Vanadium	50	.6	0.300	<50	0.400	<50	0.200	<50	0.400	<50

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57432 Units: ug/l

Time:			16:18		17:15		18:13		19:10	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.1	0.00	<20	-0.100	<20	0.00	<20	-0.100	<20
Zirconium	10	.3								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57432 Units: ug/l

Time: / Sample ID:			20:06 CCB8		21:04 CCB9		22:02 CCB10		22:54 CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	17	8.00	<200	11.3	<200	26.2	<200	3.60	<200
Antimony	6.0	1.7	-0.300	<6.0	2.50	<6.0	-0.800	<6.0	0.100	<6.0
Arsenic	3.0	2.1	-0.800	<3.0	-0.300	<3.0	1.70	<3.0	0.100	<3.0
Barium	200	.8	0.200	<200	-0.200	<200	0.400	<200	-0.100	<200
Beryllium	1.0	.3	0.00	<1.0	0.200	<1.0	0.300	<1.0	0.100	<1.0
Bismuth	20	2.3								
Boron	100	2.3	anr							
Cadmium	3.0	.3	0.100	<3.0	-0.100	<3.0	0.100	<3.0	0.00	<3.0
Calcium	5000	6.6	4.20	<5000	2.90	<5000	2.50	<5000	0.500	<5000
Cerium	100									
Chromium	10	.3	-0.300	<10	0.00	<10	0.700	<10	0.400	<10
Cobalt	50	.4	0.200	<50	0.300	<50	0.200	<50	0.300	<50
Copper	10	.8	0.100	<10	1.10	<10	-0.800	<10	0.600	<10
Iron	100	5.3	3.50	<100	4.50	<100	3.60	<100	4.40	<100
Lead	3.0	1.1	0.200	<3.0	0.300	<3.0	0.400	<3.0	-0.600	<3.0
Lithium	50	4.8	anr							
Magnesium	5000	32	0.800	<5000	13.2	<5000	-1.10	<5000	17.2	<5000
Manganese	15	.1	0.00	<15	0.00	<15	0.100	<15	0.00	<15
Molybdenum	20	.6								
Nickel	10	.4	-0.100	<10	0.00	<10	0.00	<10	0.300	<10
Phosphorus	50	1.2								
Potassium	10000	77	68.3	<10000	19.4	<10000	11.6	<10000	-18.1	<10000
Selenium	10	3.2	3.10	<10	4.20	<10	2.60	<10	2.00	<10
Silicon	200	1.7								
Silver	10	1	-0.200	<10	0.00	<10	0.100	<10	0.300	<10
Sodium	10000	34	47.1	<10000	42.5	<10000	54.4	<10000	53.1	<10000
Strontium	10	.3								
Sulfur	50	3	anr							
Thallium	10	1.8	0.300	<10	-0.900	<10	-1.70	<10	-1.00	<10
Tin	10	.8	anr							
Titanium	10	.5								
Tungsten	50	2.6								
Vanadium	50	.6	0.500	<50	0.500	<50	0.400	<50	0.300	<50

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57432 Units: ug/l

Time:			20:06		21:04		22:02		22:54	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.1	-0.100	<20	-0.100	<20	0.00	<20	0.200	<20
Zirconium	10	.3								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57432 Units: ug/l

Time:			23:51		00:48		01:41		02:33	
Sample ID:			CCB12		CCB13		CCB14		CCB15	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	17	3.00	<200	12.0	<200	2.30	<200	35.5	<200
Antimony	6.0	1.7	0.200	<6.0	-0.100	<6.0	1.00	<6.0	2.70	<6.0
Arsenic	3.0	2.1	0.300	<3.0	0.800	<3.0	1.60	<3.0	2.00	<3.0
Barium	200	.8	0.100	<200	0.500	<200	0.200	<200	0.900	<200
Beryllium	1.0	.3	0.100	<1.0	0.100	<1.0	0.200	<1.0	0.200	<1.0
Bismuth	20	2.3								
Boron	100	2.3	anr							
Cadmium	3.0	.3	0.00	<3.0	0.100	<3.0	0.00	<3.0	0.200	<3.0
Calcium	5000	6.6	1.50	<5000	7.10	<5000	1.50	<5000	3.60	<5000
Cerium	100									
Chromium	10	.3	0.100	<10	0.400	<10	0.400	<10	0.300	<10
Cobalt	50	.4	0.200	<50	0.100	<50	0.200	<50	0.200	<50
Copper	10	.8	0.700	<10	-0.200	<10	0.500	<10	-1.20	<10
Iron	100	5.3	2.30	<100	4.70	<100	3.60	<100	5.20	<100
Lead	3.0	1.1	-0.900	<3.0	0.600	<3.0	0.400	<3.0	0.500	<3.0
Lithium	50	4.8	anr							
Magnesium	5000	32	16.1	<5000	7.90	<5000	5.20	<5000	21.2	<5000
Manganese	15	.1	0.100	<15	0.100	<15	0.100	<15	0.200	<15
Molybdenum	20	.6								
Nickel	10	.4	-0.100	<10	0.300	<10	0.00	<10	0.200	<10
Phosphorus	50	1.2								
Potassium	10000	77	77.2	<10000	69.0	<10000	103	<10000	-1.20	<10000
Selenium	10	3.2	3.30	<10	2.90	<10	4.90	<10	2.00	<10
Silicon	200	1.7								
Silver	10	1	-0.500	<10	0.100	<10	-0.200	<10	-0.400	<10
Sodium	10000	34	133	<10000	463	<10000	373	<10000	252	<10000
Strontium	10	.3								
Sulfur	50	3	anr							
Thallium	10	1.8	-0.200	<10	-0.300	<10	-0.400	<10	0.00	<10
Tin	10	.8	anr							
Titanium	10	.5								
Tungsten	50	2.6								
Vanadium	50	.6	0.200	<50	0.300	<50	0.300	<50	0.200	<50

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57432 Units: ug/l

Time:			23:51		00:48		01:41		02:33	
Sample ID:			CCB12		CCB13		CCB14		CCB15	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.1	0.100	<20	-0.100	<20	0.100	<20	0.00	<20
Zirconium	10	.3								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: to % Recovery Run ID: MA57432 Units: ug/l

Time:		13:18	
Sample ID:	ICCV	ICCV2	
Metal	True	Results	% Rec
Aluminum	40000	39900	99.8
Antimony	2000	2030	101.5
Arsenic	2000	2030	101.5
Barium	2000	2010	100.5
Beryllium	2000	2050	102.5
Bismuth			
Boron	anr		
Cadmium	2000	2010	100.5
Calcium	40000	40200	100.5
Cerium			
Chromium	2000	2010	100.5
Cobalt	2000	1990	99.5
Copper	2000	1960	98.0
Iron	40000	40200	100.5
Lead	2000	2010	100.5
Lithium	anr		
Magnesium	40000	40400	101.0
Manganese	2000	2020	101.0
Molybdenum			
Nickel	2000	2000	100.0
Phosphorus			
Potassium	40000	40000	100.0
Selenium	2000	1990	99.5
Silicon			
Silver	250	253	101.2
Sodium	40000	40500	101.3
Strontium			
Sulfur	anr		
Thallium	2000	2010	100.5
Tin	anr		
Titanium			
Tungsten			
Vanadium	2000	2010	100.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: to % Recovery Run ID: MA57432 Units: ug/l

Time:		13:18	
Sample ID:	ICCV	ICCV2	
Metal	True	Results	% Rec
Zinc	2000	2010	100.5
Zirconium			

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57432 Units: ug/l

Time:		12:54			14:19			15:16	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	38300	95.8	40000	39000	97.5	40000	38800	97.0
Antimony	2000	2080	104.0	2000	1990	99.5	2000	2000	100.0
Arsenic	2000	2080	104.0	2000	2000	100.0	2000	2030	101.5
Barium	2000	1920	96.0	2000	1890	94.5	2000	1910	95.5
Beryllium	2000	2000	100.0	2000	1960	98.0	2000	1940	97.0
Bismuth									
Boron	anr								
Cadmium	2000	1970	98.5	2000	1940	97.0	2000	1940	97.0
Calcium	40000	39100	97.8	40000	39300	98.3	40000	38900	97.3
Cerium									
Chromium	2000	1960	98.0	2000	1910	95.5	2000	1900	95.0
Cobalt	2000	1960	98.0	2000	1930	96.5	2000	1920	96.0
Copper	2000	1900	95.0	2000	1860	93.0	2000	1850	92.5
Iron	40000	39500	98.8	40000	39300	98.3	40000	38900	97.3
Lead	2000	2010	100.5	2000	1950	97.5	2000	1910	95.5
Lithium	anr								
Magnesium	40000	39300	98.3	40000	39600	99.0	40000	39000	97.5
Manganese	2000	1950	97.5	2000	1910	95.5	2000	1910	95.5
Molybdenum									
Nickel	2000	1990	99.5	2000	1940	97.0	2000	1920	96.0
Phosphorus									
Potassium	40000	38800	97.0	40000	39100	97.8	40000	38600	96.5
Selenium	2000	2010	100.5	2000	1860	93.0	2000	1890	94.5
Silicon									
Silver	250	258	103.2	250	245	98.0	250	245	98.0
Sodium	40000	40200	100.5	40000	39700	99.3	40000	38900	97.3
Strontium									
Sulfur	anr								
Thallium	2000	2020	101.0	2000	1970	98.5	2000	1930	96.5
Tin	anr								
Titanium									
Tungsten									
Vanadium	2000	1930	96.5	2000	1890	94.5	2000	1900	95.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57432 Units: ug/l

Time:		12:54			14:19			15:16	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	2000	2020	101.0	2000	1920	96.0	2000	1910	95.5
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57432 Units: ug/l

Time:		16:14			17:11			18:08	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	38300	95.8	40000	38500	96.3	40000	38900	97.3
Antimony	2000	2050	102.5	2000	2050	102.5	2000	1990	99.5
Arsenic	2000	2090	104.5	2000	2100	105.0	2000	2020	101.0
Barium	2000	1900	95.0	2000	1920	96.0	2000	1920	96.0
Beryllium	2000	1950	97.5	2000	1960	98.0	2000	1940	97.0
Bismuth									
Boron	anr								
Cadmium	2000	1980	99.0	2000	1980	99.0	2000	1930	96.5
Calcium	40000	39200	98.0	40000	39900	99.8	40000	39300	98.3
Cerium									
Chromium	2000	1940	97.0	2000	1980	99.0	2000	1900	95.0
Cobalt	2000	1980	99.0	2000	1990	99.5	2000	1910	95.5
Copper	2000	1880	94.0	2000	1910	95.5	2000	1860	93.0
Iron	40000	39400	98.5	40000	40000	100.0	40000	39000	97.5
Lead	2000	2000	100.0	2000	2010	100.5	2000	1900	95.0
Lithium	anr								
Magnesium	40000	39400	98.5	40000	39800	99.5	40000	39100	97.8
Manganese	2000	1940	97.0	2000	1970	98.5	2000	1920	96.0
Molybdenum									
Nickel	2000	2000	100.0	2000	2020	101.0	2000	1920	96.0
Phosphorus									
Potassium	40000	39000	97.5	40000	39500	98.8	40000	38600	96.5
Selenium	2000	1960	98.0	2000	1980	99.0	2000	1880	94.0
Silicon									
Silver	250	251	100.4	250	255	102.0	250	245	98.0
Sodium	40000	39300	98.3	40000	39600	99.0	40000	38700	96.8
Strontium									
Sulfur	anr								
Thallium	2000	2020	101.0	2000	2030	101.5	2000	1930	96.5
Tin	anr								
Titanium									
Tungsten									
Vanadium	2000	1890	94.5	2000	1920	96.0	2000	1910	95.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57432 Units: ug/l

Time:		16:14			17:11			18:08	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	2000	1960	98.0	2000	1970	98.5	2000	1900	95.0
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57432 Units: ug/l

Time:		19:05			20:02			20:59	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	38500	96.3	40000	38600	96.5	40000	38100	95.3
Antimony	2000	2040	102.0	2000	2020	101.0	2000	2050	102.5
Arsenic	2000	2080	104.0	2000	2060	103.0	2000	2100	105.0
Barium	2000	1910	95.5	2000	1920	96.0	2000	1890	94.5
Beryllium	2000	1940	97.0	2000	1940	97.0	2000	1940	97.0
Bismuth									
Boron	anr								
Cadmium	2000	1970	98.5	2000	1950	97.5	2000	1980	99.0
Calcium	40000	39200	98.0	40000	39600	99.0	40000	39400	98.5
Cerium									
Chromium	2000	1930	96.5	2000	1930	96.5	2000	1950	97.5
Cobalt	2000	1960	98.0	2000	1940	97.0	2000	1980	99.0
Copper	2000	1870	93.5	2000	1870	93.5	2000	1870	93.5
Iron	40000	39200	98.0	40000	39400	98.5	40000	39400	98.5
Lead	2000	1970	98.5	2000	1930	96.5	2000	1990	99.5
Lithium	anr								
Magnesium	40000	39200	98.0	40000	39300	98.3	40000	39300	98.3
Manganese	2000	1930	96.5	2000	1940	97.0	2000	1940	97.0
Molybdenum									
Nickel	2000	1980	99.0	2000	1950	97.5	2000	2010	100.5
Phosphorus									
Potassium	40000	38500	96.3	40000	38900	97.3	40000	38600	96.5
Selenium	2000	1940	97.0	2000	1930	96.5	2000	1970	98.5
Silicon									
Silver	250	249	99.6	250	249	99.6	250	251	100.4
Sodium	40000	38800	97.0	40000	38700	96.8	40000	38800	97.0
Strontium									
Sulfur	anr								
Thallium	2000	1990	99.5	2000	1960	98.0	2000	2010	100.5
Tin	anr								
Titanium									
Tungsten									
Vanadium	2000	1890	94.5	2000	1910	95.5	2000	1880	94.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57432 Units: ug/l

Time:		19:05			20:02			20:59	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	2000	1950	97.5	2000	1930	96.5	2000	1960	98.0
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57432 Units: ug/l

Time:		21:57			22:49			23:47	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	38500	96.3	40000	37900	94.8	40000	38200	95.5
Antimony	2000	1970	98.5	2000	2060	103.0	2000	2030	101.5
Arsenic	2000	1990	99.5	2000	2120	106.0	2000	2070	103.5
Barium	2000	1900	95.0	2000	1890	94.5	2000	1890	94.5
Beryllium	2000	1910	95.5	2000	1940	97.0	2000	1930	96.5
Bismuth									
Boron	anr								
Cadmium	2000	1910	95.5	2000	1990	99.5	2000	1970	98.5
Calcium	40000	38800	97.0	40000	39500	98.8	40000	38900	97.3
Cerium									
Chromium	2000	1870	93.5	2000	1960	98.0	2000	1910	95.5
Cobalt	2000	1880	94.0	2000	1990	99.5	2000	1960	98.0
Copper	2000	1820	91.0	2000	1880	94.0	2000	1850	92.5
Iron	40000	38500	96.3	40000	39600	99.0	40000	39000	97.5
Lead	2000	1860	93.0	2000	2010	100.5	2000	1960	98.0
Lithium	anr								
Magnesium	40000	38600	96.5	40000	39400	98.5	40000	38900	97.3
Manganese	2000	1890	94.5	2000	1950	97.5	2000	1910	95.5
Molybdenum									
Nickel	2000	1880	94.0	2000	2020	101.0	2000	1970	98.5
Phosphorus									
Potassium	40000	37700	94.3	40000	38400	96.0	40000	38000	95.0
Selenium	2000	1850	92.5	2000	2000	100.0	2000	1940	97.0
Silicon									
Silver	250	242	96.8	250	252	100.8	250	247	98.8
Sodium	40000	37800	94.5	40000	38600	96.5	40000	38400	96.0
Strontium									
Sulfur	anr								
Thallium	2000	1890	94.5	2000	2030	101.5	2000	1980	99.0
Tin	anr								
Titanium									
Tungsten									
Vanadium	2000	1870	93.5	2000	1880	94.0	2000	1870	93.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57432 Units: ug/l

Time:		21:57			22:49			23:47	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	2000	1870	93.5	2000	1970	98.5	2000	1940	97.0
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57432 Units: ug/l

Time:		00:44			01:36			02:28	
Sample ID:	CCV	CCV12		CCV	CCV13		CCV	CCV14	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	38300	95.8	40000	37700	94.3	40000	38400	96.0
Antimony	2000	1970	98.5	2000	2060	103.0	2000	1970	98.5
Arsenic	2000	1980	99.0	2000	2120	106.0	2000	1990	99.5
Barium	2000	1890	94.5	2000	1890	94.5	2000	1890	94.5
Beryllium	2000	1910	95.5	2000	1940	97.0	2000	1920	96.0
Bismuth									
Boron	anr								
Cadmium	2000	1900	95.0	2000	1990	99.5	2000	1910	95.5
Calcium	40000	38500	96.3	40000	39300	98.3	40000	38900	97.3
Cerium									
Chromium	2000	1860	93.0	2000	1970	98.5	2000	1880	94.0
Cobalt	2000	1870	93.5	2000	2000	100.0	2000	1890	94.5
Copper	2000	1820	91.0	2000	1890	94.5	2000	1830	91.5
Iron	40000	38300	95.8	40000	39600	99.0	40000	38600	96.5
Lead	2000	1850	92.5	2000	2020	101.0	2000	1870	93.5
Lithium	anr								
Magnesium	40000	38400	96.0	40000	39200	98.0	40000	38600	96.5
Manganese	2000	1880	94.0	2000	1960	98.0	2000	1890	94.5
Molybdenum									
Nickel	2000	1870	93.5	2000	2030	101.5	2000	1890	94.5
Phosphorus									
Potassium	40000	37700	94.3	40000	38600	96.5	40000	37800	94.5
Selenium	2000	1840	92.0	2000	2000	100.0	2000	1860	93.0
Silicon									
Silver	250	242	96.8	250	254	101.6	250	244	97.6
Sodium	40000	38500	96.3	40000	39500	98.8	40000	38100	95.3
Strontium									
Sulfur	anr								
Thallium	2000	1880	94.0	2000	2050	102.5	2000	1900	95.0
Tin	anr								
Titanium									
Tungsten									
Vanadium	2000	1860	93.0	2000	1880	94.0	2000	1880	94.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57432 Units: ug/l

Time:		00:44			01:36			02:28	
Sample ID:	CCV	CCV12		CCV	CCV13		CCV	CCV14	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	2000	1860	93.0	2000	1970	98.5	2000	1880	94.0
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 90 to 110 % Recovery Run ID: MA57432 Units: ug/l

Time:		13:49			13:54	
Sample ID:	HSTD	HSTD1		HSTD	HSTD2	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum				300000	289000	96.3
Antimony	8000	8100	101.3			
Arsenic	8000	7910	98.9			
Barium	8000	7650	95.6			
Beryllium	8000	7910	98.9			
Bismuth						
Boron	anr					
Cadmium	8000	7520	94.0			
Calcium				200000	194000	97.0
Cerium						
Chromium	8000	8010	100.1			
Cobalt	8000	8000	100.0			
Copper	8000	7770	97.1			
Iron				200000	191000	95.5
Lead	8000	8150	101.9			
Lithium	anr					
Magnesium				300000	291000	97.0
Manganese	8000	7790	97.4			
Molybdenum						
Nickel	8000	8080	101.0			
Phosphorus						
Potassium				200000	200000	100.0
Selenium	8000	7640	95.5			
Silicon						
Silver	625	661	105.8			
Sodium				200000	202000	101.0
Strontium						
Sulfur	anr					
Thallium	8000	8000	100.0			
Tin	anr					
Titanium						
Tungsten						
Vanadium	8000	7740	96.8			

HIGH STANDARD CHECK SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 90 to 110 % Recovery Run ID: MA57432 Units: ug/l

Time:		13:49			13:54	
Sample ID:	HSTD	HSTD1		HSTD	HSTD2	
Metal	True	Results	% Rec	True	Results	% Rec
Zinc	8000	8000	100.0			
Zirconium						

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA57432 Units: ug/l

Time:				13:29		14:33	
Sample ID:	CRI	CRIA	CRID	CRI1		CRID2	
Metal	True	True	True	Results	% Rec	Results	% Rec
Aluminum	200	500	100	191	95.5	108	108.0
Antimony	6.0	20	3.0	6.20	103.3		
Arsenic	8.0	20	3.0	9.50	118.8	2.60	86.7
Barium	200		4.0	187	93.5	3.90	97.5
Beryllium	2.0		1.0	2.00	100.0	0.900	90.0
Bismuth	20						
Boron	100		10	anr			
Cadmium	3.0		1.0	2.90	96.7	0.900	90.0
Calcium	5000	2000	1000	5080	101.6	1020	102.0
Cerium							
Chromium	10		2.0	10.0	100.0	1.80	90.0
Cobalt	50		3.0	51.1	102.2	3.10	103.3
Copper	10		2.0	10.5	105.0		
Iron	100	500		101	101.0		
Lead	3.0	20	2.5	3.40	113.3		
Lithium	50			anr			
Magnesium	5000	2000	100	5240	104.8	110	110.0
Manganese	15		3.0	15.1	100.7	2.90	96.7
Molybdenum	20						
Nickel	10		4.0	10.4	104.0	3.90	97.5
Phosphorus	50						
Potassium	5000		2000	5030	100.6	2080	104.0
Selenium	10	20	5.0	10.3	103.0		
Silicon	200						
Silver	5.0		2.0	4.20	84.0		
Sodium	5000		1000	5090	101.8	1030	103.0
Strontium	10						
Sulfur	50			anr			
Thallium	10		2.0	8.70	87.0		
Tin	10			anr			
Titanium	10						
Tungsten	50						
Vanadium	50		2.0	47.9	95.8	1.90	95.0

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA57432 Units: ug/l

Time:				13:29		14:33	
Sample ID:	CRI	CRIA	CRID	CRI1		CRID2	
Metal	True	True	True	Results	% Rec	Results	% Rec
Zinc	20		10	21.3	106.5	9.60	96.0
Zirconium	10						

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 80 to 120 % Recovery Run ID: MA57432 Units: ug/l

Time:			13:39		13:44	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	500000	500000	489000	97.8	485000	97.0
Antimony		1000	-3.20		1060	106.0
Arsenic		1000	-0.800		975	97.5
Barium		500	7.20		473	94.6
Beryllium		500	0.00		482	96.4
Bismuth		500	-10.6		527	105.4
Boron		500	-2.30		479	95.8
Cadmium		1000	2.60		993	99.3
Calcium	400000	400000	374000	93.5	373000	93.3
Cerium			1.60		-0.600	
Chromium		500	-0.700		447	89.4
Cobalt		500	0.200		473	94.6
Copper		500	5.20		498	99.6
Iron	200000	200000	188000	94.0	189000	94.5
Lead		1000	-0.400		906	90.6
Lithium		500	7.80		546	109.2
Magnesium	500000	500000	483000	96.6	482000	96.4
Manganese		500	-5.20		470	94.0
Molybdenum		500	2.70		493	98.6
Nickel		1000	-2.60		931	93.1
Phosphorus		500	-12.9		454	90.8
Potassium			66.6		-7.50	
Selenium		1000	6.70		955	95.5
Silicon		500	-23.4		516	103.2
Silver		1000	-0.400		1040	104.0
Sodium			125		146	
Strontium		500	1.20		469	93.8
Sulfur		500	-6.40		491	98.2
Thallium		1000	0.300		960	96.0
Tin		500	-2.80		492	98.4
Titanium		500	-2.00		553	110.6
Tungsten		500	2.50		474	94.8
Vanadium		500	-0.900		469	93.8

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 80 to 120 % Recovery Run ID: MA57432 Units: ug/l

Time:			13:39		13:44	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1	
Metal	True	True	Results	% Rec	Results	% Rec
Zinc		1000	1.50		892	89.2
Zirconium		500	-1.90		478	95.6

(*) Outside of QC limits
(anr) Analyte not requested

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120424M1.ICP Date Analyzed: 12/04/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57435
Parameters: K,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:33	MA57435-STD1	1		STDA
08:38	MA57435-STD2	1		STDB
08:43	MA57435-ICV1	1		
08:49	MA57435-ICB1	1		
08:54	MA57435-ICCV1	1		
09:00	MA57435-ICCV2	1		
09:10	MA57435-CCB1	1		
09:15	MA57435-CRI1	1		
09:20	MA57435-CRID1	1		
09:25	MA57435-ICSA1	1		
09:30	MA57435-ICSAB1	1		
09:35	MA57435-HSTD1	1		
09:41	MA57435-HSTD2	1		
09:46	ZZZZZZ	1		
09:52	ZZZZZZ	1		
09:57	ZZZZZZ	1		
10:02	ZZZZZZ	1		
10:07	MA57435-CCV1	1		
10:11	MA57435-CCB2	1		
10:16	ZZZZZZ	1		
10:21	ZZZZZZ	1		
10:26	ZZZZZZ	1		
10:31	ZZZZZZ	1		
10:36	ZZZZZZ	1		
10:41	ZZZZZZ	1		
10:46	ZZZZZZ	1		
10:50	ZZZZZZ	1		
10:55	ZZZZZZ	1		
11:00	ZZZZZZ	1		
11:05	MA57435-CCV2	1		
11:10	MA57435-CCB3	1		
11:15	ZZZZZZ	1		
11:20	MP51250-LB1	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120424M1.ICP Date Analyzed: 12/04/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57435
Parameters: K,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:25	MP51250-LS1	1		
11:30	MP51250-S1	5		
11:35	MP51250-S2	5		
11:39	JE1242-1A	5		(sample used for QC only; not part of login JE1534)
11:44	MP51250-SD1	25		
11:49	ZZZZZZ	5		
11:54	MA57435-CCV3	1		
11:59	MA57435-CCB4	1		
12:04	ZZZZZZ	5		
12:09	ZZZZZZ	5		
12:14	ZZZZZZ	5		
12:19	ZZZZZZ	5		
12:24	ZZZZZZ	5		
12:29	ZZZZZZ	5		
12:34	ZZZZZZ	5		
12:39	ZZZZZZ	5		
12:44	MA57435-CCV4	1		
12:49	MA57435-CCB5	1		
12:54	ZZZZZZ	1		
12:59	ZZZZZZ	1		
13:04	ZZZZZZ	1		
13:09	MA57435-CCV5	1		
13:13	MA57435-CCB6	1		
13:18	ZZZZZZ	1		
13:23	ZZZZZZ	1		
13:28	ZZZZZZ	1		
13:33	ZZZZZZ	1		
13:38	ZZZZZZ	1		
13:43	ZZZZZZ	1		
13:48	ZZZZZZ	1		
13:53	ZZZZZZ	1		
13:58	ZZZZZZ	1		
14:03	MA57435-CCV6	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120424M1.ICP Date Analyzed: 12/04/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57435
Parameters: K,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:08	MA57435-CCB7	1		
14:13	MP51254-MB1	1		
14:18	MP51254-LB1	1		
14:23	MP51254-B1	1		
14:28	MP51254-LS1	1		
14:33	MP51254-S1	5		
14:37	MP51254-S2	5		
14:42	JE1242-11A	5		(sample used for QC only; not part of login JE1534)
14:47	MP51254-SD1	25		
14:52	ZZZZZZ	1		
14:57	ZZZZZZ	1		
15:02	MA57435-CCV7	1		
15:07	MA57435-CCB8	1		
15:12	ZZZZZZ	1		
15:17	ZZZZZZ	1		
15:22	ZZZZZZ	1		
15:27	MA57435-CCV8	1		
15:32	MA57435-CCB9	1		
15:37	ZZZZZZ	1		
15:42	MA57435-CRID2	1		
15:47	MA57435-ICSA2	1		
15:52	MA57435-ICSAB2	1		
15:57	ZZZZZZ	1		
16:02	MA57435-CCV9	1		
16:06	MA57435-CCB10	1		
16:11	MA57435-CRI2	1		
16:16	ZZZZZZ	1		
16:21	MP51310-MB1	1		Zn RL elevated 5x
16:26	MP51310-B1	1		
16:31	MP51310-S1	1		
16:36	MP51310-S2	1		
16:41	JE1603-12	1		(sample used for QC only; not part of login JE1534)
16:46	MP51310-SD1	5		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120424M1.ICP Date Analyzed: 12/04/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57435
Parameters: K,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:51	MP51310-PS1	1		
16:57	MA57435-CCV10	1		
17:01	MA57435-CCB11	1		
17:06	ZZZZZZ	1		
17:12	ZZZZZZ	1		
17:17	ZZZZZZ	1		
17:22	ZZZZZZ	1		
17:27	ZZZZZZ	1		
17:32	ZZZZZZ	1		
17:37	ZZZZZZ	1		
17:42	ZZZZZZ	1		
17:47	ZZZZZZ	1		
17:52	ZZZZZZ	1		
17:57	MA57435-CCV11	1		
18:02	MA57435-CCB12	1		
18:07	ZZZZZZ	1		
18:12	ZZZZZZ	1		
18:17	ZZZZZZ	1		
18:22	ZZZZZZ	1		
18:27	ZZZZZZ	1		
18:32	ZZZZZZ	1		
18:37	ZZZZZZ	1		
18:43	ZZZZZZ	1		
18:48	ZZZZZZ	1		
18:53	MA57435-CCV12	1		
18:58	MA57435-CCB13	1		
19:03	ZZZZZZ	2		
19:08	ZZZZZZ	5		
19:13	ZZZZZZ	5		
19:18	ZZZZZZ	1		
19:23	ZZZZZZ	2		
19:29	ZZZZZZ	2		
19:34	MP51263-MB1	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120424M1.ICP Date Analyzed: 12/04/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57435
Parameters: K,Ag

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	19:39	MP51263-B1	1		
----------->	Last reportable sample/prep for job JE1534				
	19:44	MP51267-MB1	1		
	19:49	MP51267-B1	1		
	19:54	MA57435-CCV13	1		
	19:59	MA57435-CCB14	1		
----------->	Last reportable CCB for job JE1534				
	20:04	MP51267-S1	1		
	20:09	MP51267-S2	1		
	20:14	JE1071-6	1		(sample used for QC only; not part of login JE1534)
	20:19	MP51267-SD1	5		
	20:24	MP51220-MB1	1		
	20:29	MP51220-B1	1		
	20:34	MP51220-S1	1		
	20:39	MP51220-S2	1		
	20:44	MA57435-CCV14	1		
	20:49	MA57435-CCB15	1		
	20:54	JE1519-9F	1		(sample used for QC only; not part of login JE1534)
	20:59	MP51220-SD1	5		
	21:04	ZZZZZZ	1		
	21:09	ZZZZZZ	1		
	21:14	ZZZZZZ	1		
	21:19	ZZZZZZ	1		
	21:24	ZZZZZZ	1		
	21:29	ZZZZZZ	5		
	21:34	ZZZZZZ	1		
	21:39	ZZZZZZ	1		
	21:44	MA57435-CCV15	1		
	21:49	MA57435-CCB16	1		
	21:54	ZZZZZZ	1		
	21:59	ZZZZZZ	1		
	22:05	ZZZZZZ	1		
	22:10	ZZZZZZ	1		
	22:14	ZZZZZZ	1		
	22:19	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120424M1.ICP Date Analyzed: 12/04/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57435
Parameters: K,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
22:24	ZZZZZZ	1		
22:29	ZZZZZZ	1		
22:34	ZZZZZZ	1		
22:39	MP51321-LB1	1		
22:44	MA57435-CCV16	1		
22:49	MA57435-CCB17	1		
22:55	MP51321-MB1	1		
23:00	MP51321-B1	1		
23:05	MP51321-LS1	1		
23:09	MP51321-S1	5		
23:14	MP51321-S2	5		
23:19	JE1563-1	5		(sample used for QC only; not part of login JE1534)
23:25	MP51321-SD1	25		
23:30	ZZZZZZ	5		
23:35	ZZZZZZ	5		
23:40	ZZZZZZ	5		
23:45	MA57435-CCV17	1		
23:50	MA57435-CCB18	1		
23:55	ZZZZZZ	5		
00:00	ZZZZZZ	5		
00:05	ZZZZZZ	5		
00:10	ZZZZZZ	5		
00:15	ZZZZZZ	5		
00:21	ZZZZZZ	5		
00:26	ZZZZZZ	5		
00:31	ZZZZZZ	5		
00:36	ZZZZZZ	5		
00:41	ZZZZZZ	5		
00:47	MA57435-CCV18	1		
00:52	MA57435-CCB19	1		
00:57	MP51317-MB1	1		
01:02	MP51317-LB1	1		
01:07	MP51317-B1	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120424M1.ICP Date Analyzed: 12/04/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57435
Parameters: K,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
01:12	MP51317-LS1	1		
01:17	MP51317-S1	1		
01:22	MP51317-S2	1		
01:26	JE1393-1A	1		(sample used for QC only; not part of login JE1534)
01:31	MP51317-SD1	5		
01:36	ZZZZZZ	1		
01:41	ZZZZZZ	1		
01:46	MA57435-CCV19	1		
01:51	MA57435-CCB20	1		
01:56	ZZZZZZ	1		
02:01	MP51209-S1	2		
02:07	MP51209-S2	2		
02:12	JE746-10	2		(sample used for QC only; not part of login JE1534)
02:17	MP51209-SD1	10		
02:22	ZZZZZZ	5		
02:27	ZZZZZZ	2		
02:32	ZZZZZZ	5		
02:37	ZZZZZZ	2		
02:42	ZZZZZZ	2		
02:47	MA57435-CCV20	1		
02:52	MA57435-CCB21	1		
02:57	ZZZZZZ	20		
03:02	ZZZZZZ	2		
03:07	ZZZZZZ	10		
03:12	ZZZZZZ	5		
03:18	ZZZZZZ	10		
03:23	ZZZZZZ	25		
03:28	ZZZZZZ	5		
03:33	ZZZZZZ	2		
03:38	ZZZZZZ	5		
03:43	ZZZZZZ	2		
03:48	MA57435-CCV21	1		
03:53	MA57435-CCB22	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120424M1.ICP Date Analyzed: 12/04/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57435
Parameters: K,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
03:58	ZZZZZZ	10		
04:04	ZZZZZZ	10		
04:09	ZZZZZZ	2		
04:14	ZZZZZZ	5		
04:19	ZZZZZZ	10		
04:24	ZZZZZZ	2		
04:29	ZZZZZZ	10		
04:34	ZZZZZZ	5		
04:39	ZZZZZZ	100		
04:44	ZZZZZZ	10		
04:49	MA57435-CCV22	1		
04:54	MA57435-CCB23	1		
04:59	ZZZZZZ	5		
05:05	ZZZZZZ	2		
05:10	MP51309-B1	1		
05:14	MP51309-MB1	1		
05:19	MP51309-S1	1		
05:25	MP51309-S2	1		
05:30	JE1666-1	1		(sample used for QC only; not part of login JE1534)
05:35	MP51309-SD1	5		
05:40	ZZZZZZ	1		
05:45	ZZZZZZ	1		
05:50	MA57435-CCV23	1		
05:55	MA57435-CCB24	1		
06:00	ZZZZZZ	1		
06:06	ZZZZZZ	1		
06:11	ZZZZZZ	1		
06:16	ZZZZZZ	1		
06:21	ZZZZZZ	1		
06:26	ZZZZZZ	1		
06:31	ZZZZZZ	1		
06:36	ZZZZZZ	1		
06:42	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120424M1.ICP Date Analyzed: 12/04/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57435
Parameters: K,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
06:47	ZZZZZZ	1		
06:52	MA57435-CCV24	1		
06:57	MA57435-CCB25	1		
07:02	ZZZZZZ	1		
07:07	ZZZZZZ	1		
07:12	ZZZZZZ	1		
07:17	ZZZZZZ	1		
07:22	ZZZZZZ	1		
07:27	ZZZZZZ	1		
07:33	MA57435-CCV25	1		
07:38	MA57435-CCB26	1		
07:43	ZZZZZZ	1		
07:48	ZZZZZZ	1		
07:53	ZZZZZZ	1		
07:58	ZZZZZZ	1		
08:03	ZZZZZZ	1		
08:08	ZZZZZZ	1		

Refer to raw data for calibration curve and standards.

REPORTED ELEMENTS SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120424M1.ICP Date Analyzed: 12/04/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57435
Parameters: K,Ag

Time	Sample Description	Element: Dilution	K	Ag
08:43	MA57435-ICV1	1	X	X
08:49	MA57435-ICB1	1	X	X
08:54	MA57435-ICCV1	1		
09:00	MA57435-ICCV2	1	X	X
09:10	MA57435-CCB1	1	X	X
09:15	MA57435-CRI1	1	X	X
09:20	MA57435-CRID1	1	X	X
09:25	MA57435-ICSA1	1	X	X
09:30	MA57435-ICSAB1	1	X	X
09:35	MA57435-HSTD1	1	X	X
09:41	MA57435-HSTD2	1	X	X
09:46	ZZZZZZ	1		
09:52	ZZZZZZ	1		
09:57	ZZZZZZ	1		
10:02	ZZZZZZ	1		
10:07	MA57435-CCV1	1	X	X
10:11	MA57435-CCB2	1	X	X
10:16	ZZZZZZ	1		
10:21	ZZZZZZ	1		
10:26	ZZZZZZ	1		
10:31	ZZZZZZ	1		
10:36	ZZZZZZ	1		
10:41	ZZZZZZ	1		
10:46	ZZZZZZ	1		
10:50	ZZZZZZ	1		
10:55	ZZZZZZ	1		
11:00	ZZZZZZ	1		
11:05	MA57435-CCV2	1	X	X
11:10	MA57435-CCB3	1	X	X
11:15	ZZZZZZ	1		
11:20	MP51250-LB1	1		
11:25	MP51250-LS1	1		X
11:30	MP51250-S1	5		X
		Element:	K	Ag

REPORTED ELEMENTS SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120424M1.ICP Date Analyzed: 12/04/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57435
Parameters: K,Ag

Time	Sample Description	Element: Dilution	K	Ag	
11:35	MP51250-S2	5		X	
11:39	JE1242-1A	5		X	(a)
11:44	MP51250-SD1	25		X	
11:49	ZZZZZZ	5			
11:54	MA57435-CCV3	1	X	X	
11:59	MA57435-CCB4	1	X	X	
12:04	ZZZZZZ	5			
12:09	ZZZZZZ	5			
12:14	ZZZZZZ	5			
12:19	ZZZZZZ	5			
12:24	ZZZZZZ	5			
12:29	ZZZZZZ	5			
12:34	ZZZZZZ	5			
12:39	ZZZZZZ	5			
12:44	MA57435-CCV4	1	X	X	
12:49	MA57435-CCB5	1	X	X	
12:54	ZZZZZZ	1			
12:59	ZZZZZZ	1			
13:04	ZZZZZZ	1			
13:09	MA57435-CCV5	1	X	X	
13:13	MA57435-CCB6	1	X	X	
13:18	ZZZZZZ	1			
13:23	ZZZZZZ	1			
13:28	ZZZZZZ	1			
13:33	ZZZZZZ	1			
13:38	ZZZZZZ	1			
13:43	ZZZZZZ	1			
13:48	ZZZZZZ	1			
13:53	ZZZZZZ	1			
13:58	ZZZZZZ	1			
14:03	MA57435-CCV6	1	X	X	
14:08	MA57435-CCB7	1	X	X	
14:13	MP51254-MB1	1		X	
		Element:	K	Ag	

REPORTED ELEMENTS SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120424M1.ICP Date Analyzed: 12/04/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57435
Parameters: K,Ag

Time	Sample Description	Element: Dilution	K	Ag	
14:18	MP51254-LB1	1			
14:23	MP51254-B1	1		X	
14:28	MP51254-LS1	1		X	
14:33	MP51254-S1	5		X	
14:37	MP51254-S2	5		X	
14:42	JE1242-11A	5		X	(a)
14:47	MP51254-SD1	25		X	
14:52	ZZZZZZ	1			
14:57	ZZZZZZ	1			
15:02	MA57435-CCV7	1	X	X	
15:07	MA57435-CCB8	1	X	X	
15:12	ZZZZZZ	1			
15:17	ZZZZZZ	1			
15:22	ZZZZZZ	1			
15:27	MA57435-CCV8	1	X	X	
15:32	MA57435-CCB9	1	X	X	
15:37	ZZZZZZ	1			
15:42	MA57435-CRID2	1	X	X	
15:47	MA57435-ICSA2	1	X	X	
15:52	MA57435-ICSAB2	1	X	X	
15:57	ZZZZZZ	1			
16:02	MA57435-CCV9	1	X	X	
16:06	MA57435-CCB10	1	X	X	
16:11	MA57435-CRI2	1	X	X	
16:16	ZZZZZZ	1			
16:21	MP51310-MB1	1	X	X	
16:26	MP51310-B1	1	X	X	
16:31	MP51310-S1	1	X	X	
16:36	MP51310-S2	1	X	X	
16:41	JE1603-12	1	X	X	(a)
16:46	MP51310-SD1	5	X	X	
16:51	MP51310-PS1	1			
16:57	MA57435-CCV10	1	X	X	
		Element:	K	Ag	

REPORTED ELEMENTS SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120424M1.ICP Date Analyzed: 12/04/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57435
Parameters: K,Ag

Time	Sample Description	Element: Dilution	K	Ag
17:01	MA57435-CCB11	1	X	X
17:06	ZZZZZZ	1		
17:12	ZZZZZZ	1		
17:17	ZZZZZZ	1		
17:22	ZZZZZZ	1		
17:27	ZZZZZZ	1		
17:32	ZZZZZZ	1		
17:37	ZZZZZZ	1		
17:42	ZZZZZZ	1		
17:47	ZZZZZZ	1		
17:52	ZZZZZZ	1		
17:57	MA57435-CCV11	1	X	X
18:02	MA57435-CCB12	1	X	X
18:07	ZZZZZZ	1		
18:12	ZZZZZZ	1		
18:17	ZZZZZZ	1		
18:22	ZZZZZZ	1		
18:27	ZZZZZZ	1		
18:32	ZZZZZZ	1		
18:37	ZZZZZZ	1		
18:43	ZZZZZZ	1		
18:48	ZZZZZZ	1		
18:53	MA57435-CCV12	1	X	X
18:58	MA57435-CCB13	1	X	X
19:03	ZZZZZZ	2		
19:08	ZZZZZZ	5		
19:13	ZZZZZZ	5		
19:18	ZZZZZZ	1		
19:23	ZZZZZZ	2		
19:29	ZZZZZZ	2		
19:34	MP51263-MB1	1	X	X
19:39	MP51263-B1	1	X	X
19:44	MP51267-MB1	1		
		Element:	K	Ag

REPORTED ELEMENTS SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120424M1.ICP Date Analyzed: 12/04/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57435
Parameters: K,Ag

Time	Sample Description	Element: Dilution	K	Ag	
19:49	MP51267-B1	1			
19:54	MA57435-CCV13	1	X	X	
19:59	MA57435-CCB14	1	X	X	
20:04	MP51267-S1	1			
20:09	MP51267-S2	1			
20:14	JE1071-6	1			(a)
20:19	MP51267-SD1	5			
20:24	MP51220-MB1	1			
20:29	MP51220-B1	1			
20:34	MP51220-S1	1			
20:39	MP51220-S2	1			
20:44	MA57435-CCV14	1	X	X	
20:49	MA57435-CCB15	1	X	X	
20:54	JE1519-9F	1			(a)
20:59	MP51220-SD1	5			
21:04	ZZZZZZ	1			
21:09	ZZZZZZ	1			
21:14	ZZZZZZ	1			
21:19	ZZZZZZ	1			
21:24	ZZZZZZ	1			
21:29	ZZZZZZ	5			
21:34	ZZZZZZ	1			
21:39	ZZZZZZ	1			
21:44	MA57435-CCV15	1	X	X	
21:49	MA57435-CCB16	1	X	X	
21:54	ZZZZZZ	1			
21:59	ZZZZZZ	1			
22:05	ZZZZZZ	1			
22:10	ZZZZZZ	1			
22:14	ZZZZZZ	1			
22:19	ZZZZZZ	1			
22:24	ZZZZZZ	1			
22:29	ZZZZZZ	1			
		Element:	K	Ag	

REPORTED ELEMENTS SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120424M1.ICP Date Analyzed: 12/04/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57435
Parameters: K,Ag

Time	Sample Description	Element: Dilution	K	Ag	
22:34	ZZZZZZ	1			
22:39	MP51321-LB1	1			
22:44	MA57435-CCV16	1	X	X	
22:49	MA57435-CCB17	1	X	X	
22:55	MP51321-MB1	1		X	
23:00	MP51321-B1	1		X	
23:05	MP51321-LS1	1		X	
23:09	MP51321-S1	5		X	
23:14	MP51321-S2	5		X	
23:19	JE1563-1	5		X	(a)
23:25	MP51321-SD1	25		X	
23:30	ZZZZZZ	5			
23:35	ZZZZZZ	5			
23:40	ZZZZZZ	5			
23:45	MA57435-CCV17	1	X	X	
23:50	MA57435-CCB18	1	X	X	
23:55	ZZZZZZ	5			
00:00	ZZZZZZ	5			
00:05	ZZZZZZ	5			
00:10	ZZZZZZ	5			
00:15	ZZZZZZ	5			
00:21	ZZZZZZ	5			
00:26	ZZZZZZ	5			
00:31	ZZZZZZ	5			
00:36	ZZZZZZ	5			
00:41	ZZZZZZ	5			
00:47	MA57435-CCV18	1	X	X	
00:52	MA57435-CCB19	1	X	X	
00:57	MP51317-MB1	1			
01:02	MP51317-LB1	1			
01:07	MP51317-B1	1			
01:12	MP51317-LS1	1			
01:17	MP51317-S1	1			
		Element:	K	Ag	

REPORTED ELEMENTS SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120424M1.ICP Date Analyzed: 12/04/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57435
Parameters: K,Ag

Time	Sample Description	Element: Dilution	K	Ag	
01:22	MP51317-S2	1			
01:26	JE1393-1A	1			(a)
01:31	MP51317-SD1	5			
01:36	ZZZZZZ	1			
01:41	ZZZZZZ	1			
01:46	MA57435-CCV19	1	X	X	
01:51	MA57435-CCB20	1	X	X	
01:56	ZZZZZZ	1			
02:01	MP51209-S1	2			
02:07	MP51209-S2	2			
02:12	JE746-10	2			(a)
02:17	MP51209-SD1	10			
02:22	ZZZZZZ	5			
02:27	ZZZZZZ	2			
02:32	ZZZZZZ	5			
02:37	ZZZZZZ	2			
02:42	ZZZZZZ	2			
02:47	MA57435-CCV20	1	X	X	
02:52	MA57435-CCB21	1	X	X	
02:57	ZZZZZZ	20			
03:02	ZZZZZZ	2			
03:07	ZZZZZZ	10			
03:12	ZZZZZZ	5			
03:18	ZZZZZZ	10			
03:23	ZZZZZZ	25			
03:28	ZZZZZZ	5			
03:33	ZZZZZZ	2			
03:38	ZZZZZZ	5			
03:43	ZZZZZZ	2			
03:48	MA57435-CCV21	1	X	X	
03:53	MA57435-CCB22	1	X	X	
03:58	ZZZZZZ	10			
04:04	ZZZZZZ	10			
		Element:	K	Ag	

REPORTED ELEMENTS SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120424M1.ICP Date Analyzed: 12/04/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57435
Parameters: K,Ag

Time	Sample Description	Element: Dilution	K	Ag	
04:09	ZZZZZZ	2			
04:14	ZZZZZZ	5			
04:19	ZZZZZZ	10			
04:24	ZZZZZZ	2			
04:29	ZZZZZZ	10			
04:34	ZZZZZZ	5			
04:39	ZZZZZZ	100			
04:44	ZZZZZZ	10			
04:49	MA57435-CCV22	1	X	X	
04:54	MA57435-CCB23	1	X	X	
04:59	ZZZZZZ	5			
05:05	ZZZZZZ	2			
05:10	MP51309-B1	1			
05:14	MP51309-MB1	1			
05:19	MP51309-S1	1			
05:25	MP51309-S2	1			
05:30	JE1666-1	1			(a)
05:35	MP51309-SD1	5			
05:40	ZZZZZZ	1			
05:45	ZZZZZZ	1			
05:50	MA57435-CCV23	1	X	X	
05:55	MA57435-CCB24	1	X	X	
06:00	ZZZZZZ	1			
06:06	ZZZZZZ	1			
06:11	ZZZZZZ	1			
06:16	ZZZZZZ	1			
06:21	ZZZZZZ	1			
06:26	ZZZZZZ	1			
06:31	ZZZZZZ	1			
06:36	ZZZZZZ	1			
06:42	ZZZZZZ	1			
06:47	ZZZZZZ	1			
06:52	MA57435-CCV24	1	X	X	
		Element:	K	Ag	

REPORTED ELEMENTS SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120424M1.ICP Date Analyzed: 12/04/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57435
Parameters: K,Ag

Time	Sample Description	Element: Dilution	K	Ag
06:57	MA57435-CCB25	1	X	X
07:02	ZZZZZZ	1		
07:07	ZZZZZZ	1		
07:12	ZZZZZZ	1		
07:17	ZZZZZZ	1		
07:22	ZZZZZZ	1		
07:27	ZZZZZZ	1		
07:33	MA57435-CCV25	1	X	X
07:38	MA57435-CCB26	1	X	X
07:43	ZZZZZZ	1		
07:48	ZZZZZZ	1		
07:53	ZZZZZZ	1		
07:58	ZZZZZZ	1		
08:03	ZZZZZZ	1		
08:08	ZZZZZZ	1		

(a) Sample used for QC only; not part of login JE1534.

Element:	K	Ag

INTERNAL STANDARD SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120424M1.ICP Date Analyzed: 12/04/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57435
Parameters: K,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:33	MA57435-STD1	5813 R	193520 R	19470 R	14079 R
08:38	MA57435-STD2	5708	179520	19837	13656
08:43	MA57435-ICV1	5714	180420	20472	13646
08:49	MA57435-ICB1	5689	190210	19497	13855
08:54	MA57435-ICCV1	No results reported for the elements associated with this internal standard.			
09:00	MA57435-ICCV2	5817	180730	20536	13850
09:10	MA57435-CCB1	5705	188900	19834	13909
09:15	MA57435-CRI1	5732	190020	19419	13963
09:20	MA57435-CRID1	5920	186840	20948	14248
09:25	MA57435-ICSA1	5380	169000	19885	13039
09:30	MA57435-ICSAB1	5246	173960	18541	12890
09:35	MA57435-HSTD1	5785	189450	19455	14273
09:41	MA57435-HSTD2	5465	172020	19551	13112
09:46	ZZZZZZ	No results reported for the elements associated with this internal standard.			
09:52	ZZZZZZ	No results reported for the elements associated with this internal standard.			
09:57	ZZZZZZ	No results reported for the elements associated with this internal standard.			
10:02	ZZZZZZ	No results reported for the elements associated with this internal standard.			
10:07	MA57435-CCV1	5735	179110	20620	13735
10:11	MA57435-CCB2	5711	186580	20156	13917
10:16	ZZZZZZ	No results reported for the elements associated with this internal standard.			
10:21	ZZZZZZ	No results reported for the elements associated with this internal standard.			
10:26	ZZZZZZ	No results reported for the elements associated with this internal standard.			
10:31	ZZZZZZ	No results reported for the elements associated with this internal standard.			
10:36	ZZZZZZ	No results reported for the elements associated with this internal standard.			
10:41	ZZZZZZ	No results reported for the elements associated with this internal standard.			
10:46	ZZZZZZ	No results reported for the elements associated with this internal standard.			
10:50	ZZZZZZ	No results reported for the elements associated with this internal standard.			
10:55	ZZZZZZ	No results reported for the elements associated with this internal standard.			
11:00	ZZZZZZ	No results reported for the elements associated with this internal standard.			
11:05	MA57435-CCV2	5523	183230	19043	13428
11:10	MA57435-CCB3	5656	187360	19157	13892
11:15	ZZZZZZ	No results reported for the elements associated with this internal standard.			
11:20	MP51250-LB1	5557	168420	20236	12685

INTERNAL STANDARD SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120424M1.ICP Date Analyzed: 12/04/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57435
Parameters: K,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:25	MP51250-LS1	5366	174860	19814	12440
11:30	MP51250-S1	5542	183190	19202	13170
11:35	MP51250-S2	5537	184170	19289	13202
11:39	JE1242-1A	5565	179040	19606	13223
11:44	MP51250-SD1	5587	177960	19620	13540
11:49	ZZZZZZ	5599	173920	19521	13234
11:54	MA57435-CCV3	5569	173740	20065	13473
11:59	MA57435-CCB4	5547	181300	19644	13703
12:04	ZZZZZZ	5344	177950	18168	12885
12:09	ZZZZZZ	5390	176220	18001	12950
12:14	ZZZZZZ	5504	176960	19311	13186
12:19	ZZZZZZ	5460	174980	18901	13062
12:24	ZZZZZZ	5603	169730	20009	13252
12:29	ZZZZZZ	5516	173160	19983	13174
12:34	ZZZZZZ	5352	176990	18708	12924
12:39	ZZZZZZ	5324	177510	18200	12877
12:44	MA57435-CCV4	5479	179930	18484	13443
12:49	MA57435-CCB5	5707	175880	20381	13918
12:54	ZZZZZZ	No results reported for the elements associated with this internal standard.			
12:59	ZZZZZZ	No results reported for the elements associated with this internal standard.			
13:04	ZZZZZZ	No results reported for the elements associated with this internal standard.			
13:09	MA57435-CCV5	5495	182370	18994	13505
13:13	MA57435-CCB6	5731	176950	20770	13987
13:18	ZZZZZZ	No results reported for the elements associated with this internal standard.			
13:23	ZZZZZZ	No results reported for the elements associated with this internal standard.			
13:28	ZZZZZZ	No results reported for the elements associated with this internal standard.			
13:33	ZZZZZZ	No results reported for the elements associated with this internal standard.			
13:38	ZZZZZZ	No results reported for the elements associated with this internal standard.			
13:43	ZZZZZZ	No results reported for the elements associated with this internal standard.			
13:48	ZZZZZZ	No results reported for the elements associated with this internal standard.			
13:53	ZZZZZZ	No results reported for the elements associated with this internal standard.			
13:58	ZZZZZZ	No results reported for the elements associated with this internal standard.			
14:03	MA57435-CCV6	5608	176990	20091	13646

INTERNAL STANDARD SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120424M1.ICP Date Analyzed: 12/04/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57435
Parameters: K,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:08	MA57435-CCB7	5668	178320	21167	13921
14:13	MP51254-MB1	5589	184260	20549	13868
14:18	MP51254-LB1	5212	171280	19006	12283
14:23	MP51254-B1	5346	180180	18790	13324
14:28	MP51254-LS1	5226	170010	18519	12329
14:33	MP51254-S1	5548	169260	20252	13237
14:37	MP51254-S2	5451	171410	20127	13116
14:42	JE1242-11A	5373	177450	19126	13041
14:47	MP51254-SD1	5418	181500	19200	13391
14:52	ZZZZZZ	No results reported for the elements associated with this internal standard.			
14:57	ZZZZZZ	No results reported for the elements associated with this internal standard.			
15:02	MA57435-CCV7	5574	172050	20723	13587
15:07	MA57435-CCB8	5536	177260	20456	13730
15:12	ZZZZZZ	No results reported for the elements associated with this internal standard.			
15:17	ZZZZZZ	No results reported for the elements associated with this internal standard.			
15:22	ZZZZZZ	No results reported for the elements associated with this internal standard.			
15:27	MA57435-CCV8	5526	174730	20006	13531
15:32	MA57435-CCB9	5618	175200	21002	13881
15:37	ZZZZZZ	No results reported for the elements associated with this internal standard.			
15:42	MA57435-CRID2	5531	184760	19681	13745
15:47	MA57435-ICSA2	5077	172730	18720	12718
15:52	MA57435-ICSAB2	5176	169760	19171	12903
15:57	ZZZZZZ	No results reported for the elements associated with this internal standard.			
16:02	MA57435-CCV9	5473	175730	20585	13486
16:06	MA57435-CCB10	5488	182820	19972	13727
16:11	MA57435-CRI2	5398	181910	19497	13563
16:16	ZZZZZZ	No results reported for the elements associated with this internal standard.			
16:21	MP51310-MB1	5665	178630	21278	13925
16:26	MP51310-B1	5521	173910	21077	13647
16:31	MP51310-S1	5591	186670	20870	14266
16:36	MP51310-S2	5568	185810	20298	13913
16:41	JE1603-12	5817	191780	20861	14432
16:46	MP51310-SD1	5734	179580	21428	14065

INTERNAL STANDARD SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120424M1.ICP Date Analyzed: 12/04/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57435
Parameters: K,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:51	MP51310-PS1	5812	183200	22437	14353
16:57	MA57435-CCV10	5383	179750	19830	13389
17:01	MA57435-CCB11	5409	182930	19577	13638
17:06	ZZZZZZ	5678	189050	20482	14044
17:12	ZZZZZZ	5952	188760	22402	14288
17:17	ZZZZZZ	5877	182980	22725	14206
17:22	ZZZZZZ	5760	190610	22009	13998
17:27	ZZZZZZ	5691	192770	21009	13918
17:32	ZZZZZZ	5705	191160	20597	14016
17:37	ZZZZZZ	5691	182350	21143	13491
17:42	ZZZZZZ	5707	179280	22248	14030
17:47	ZZZZZZ	5120	171630	20278	12224
17:52	ZZZZZZ	5579	187830	20578	13845
17:57	MA57435-CCV11	5304	178070	19111	13323
18:02	MA57435-CCB12	5534	180840	20466	13855
18:07	ZZZZZZ	5753	180600	22488	14150
18:12	ZZZZZZ	5692	183220	21933	14011
18:17	ZZZZZZ	5545	184510	20686	13906
18:22	ZZZZZZ	5600	187960	20433	13907
18:27	ZZZZZZ	5726	187330	21437	14196
18:32	ZZZZZZ	5796	181740	22959	14212
18:37	ZZZZZZ	5821	189660	22420	13997
18:43	ZZZZZZ	No results reported for the elements associated with this internal standard.			
18:48	ZZZZZZ	No results reported for the elements associated with this internal standard.			
18:53	MA57435-CCV12	5513	173150	20744	13622
18:58	MA57435-CCB13	5547	175900	21504	13876
19:03	ZZZZZZ	5367	177390	20182	13357
19:08	ZZZZZZ	5417	183640	19776	13707
19:13	ZZZZZZ	5431	182900	19551	13522
19:18	ZZZZZZ	No results reported for the elements associated with this internal standard.			
19:23	ZZZZZZ	5399	172550	21300	13274
19:29	ZZZZZZ	5382	179470	20531	13233
19:34	MP51263-MB1	5387	182270	20075	13634

INTERNAL STANDARD SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120424M1.ICP Date Analyzed: 12/04/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57435
Parameters: K,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
19:39	MP51263-B1	5432	182030	19744	13631
19:44	MP51267-MB1	5642	178150	21658	14036
19:49	MP51267-B1	5537	177710	21342	13798
19:54	MA57435-CCV13	5357	178580	20238	13463
19:59	MA57435-CCB14	5412	184710	19999	13732
20:04	MP51267-S1	5468	177660	20151	13767
20:09	MP51267-S2	5602	180780	21351	13915
20:14	JE1071-6	5641	179510	22596	14151
20:19	MP51267-SD1	5484	180950	20987	13856
20:24	MP51220-MB1	5387	183310	20038	13634
20:29	MP51220-B1	5392	179780	19675	13585
20:34	MP51220-S1	5472	174610	20983	13474
20:39	MP51220-S2	5442	173630	21630	13467
20:44	MA57435-CCV14	5361	178390	20532	13497
20:49	MA57435-CCB15	5415	183060	20119	13746
20:54	JE1519-9F	5408	182180	19925	13546
20:59	MP51220-SD1	5561	181330	21098	13925
21:04	ZZZZZZ	5693	179100	22817	12767
21:09	ZZZZZZ	5408	179520	20980	13608
21:14	ZZZZZZ	5385	184150	20260	13633
21:19	ZZZZZZ	5337	181340	19907	13581
21:24	ZZZZZZ	5471	183460	20565	13637
21:29	ZZZZZZ	5472	173560	21552	13524
21:34	ZZZZZZ	5511	177700	22011	13667
21:39	ZZZZZZ	5351	181220	20533	13337
21:44	MA57435-CCV15	5271	179470	19647	13384
21:49	MA57435-CCB16	5478	182300	20335	13921
21:54	ZZZZZZ	5565	176600	21831	13781
21:59	ZZZZZZ	5571	177040	22403	12736
22:05	ZZZZZZ	5323	179750	20483	13519
22:10	ZZZZZZ	5368	182860	20264	13726
22:14	ZZZZZZ	5369	183110	20026	13683
22:19	ZZZZZZ	5464	175580	20950	13585

INTERNAL STANDARD SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120424M1.ICP Date Analyzed: 12/04/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57435
Parameters: K,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
22:24	ZZZZZZ	5474	173850	22021	13587
22:29	ZZZZZZ	5390	177750	21099	13478
22:34	ZZZZZZ	5271	178050	20115	13275
22:39	MP51321-LB1	5035	168000	19101	12260
22:44	MA57435-CCV16	5345	174290	20292	13525
22:49	MA57435-CCB17	5507	174590	22160	13961
22:55	MP51321-MB1	5404	179370	21165	13781
23:00	MP51321-B1	5275	178660	20184	13476
23:05	MP51321-LS1	5037	169520	19273	12309
23:09	MP51321-S1	5317	174580	20202	13190
23:14	MP51321-S2	5354	166230	21445	13225
23:19	JE1563-1	5208	170670	20410	13073
23:25	MP51321-SD1	5252	179240	19816	13400
23:30	ZZZZZZ	5228	176770	19216	13117
23:35	ZZZZZZ	5342	172550	20236	13249
23:40	ZZZZZZ	5372	169760	21192	13306
23:45	MA57435-CCV17	5255	173550	20398	13387
23:50	MA57435-CCB18	5245	180700	20126	13558
23:55	ZZZZZZ	5254	176570	19656	13176
00:00	ZZZZZZ	5302	168910	20831	13071
00:05	ZZZZZZ	5289	169790	21228	13140
00:10	ZZZZZZ	5161	171800	19881	12990
00:15	ZZZZZZ	5047	170030	18962	12766
00:21	ZZZZZZ	5141	169500	19738	12883
00:26	ZZZZZZ	5292	168670	21238	13166
00:31	ZZZZZZ	4999	167080	20247	12662
00:36	ZZZZZZ	4883	167170	18786	12468
00:41	ZZZZZZ	5045	169170	18850	12779
00:47	MA57435-CCV18	5215	165860	20258	13341
00:52	MA57435-CCB19	5251	168850	21200	13605
00:57	MP51317-MB1	5131	173670	20243	13420
01:02	MP51317-LB1	5109	172440	19691	13433
01:07	MP51317-B1	5165	172570	20257	13403

INTERNAL STANDARD SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120424M1.ICP Date Analyzed: 12/04/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57435
Parameters: K,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
01:12	MP51317-LS1	5285	168580	21480	13544
01:17	MP51317-S1	5158	168990	21039	13340
01:22	MP51317-S2	5033	169890	19700	13119
01:26	JE1393-1A	5257	178240	20226	13591
01:31	MP51317-SD1	5361	172650	21533	13754
01:36	ZZZZZZ	5309	174030	21787	13608
01:41	ZZZZZZ	5160	174440	20579	13439
01:46	MA57435-CCV19	5027	170770	19272	13127
01:51	MA57435-CCB20	5235	176190	20361	13664
01:56	ZZZZZZ	5395	172380	21967	13741
02:01	MP51209-S1	5170	171840	21175	13667
02:07	MP51209-S2	5091	175890	20106	13526
02:12	JE746-10	5257	180430	20373	13837
02:17	MP51209-SD1	5409	176480	21745	13876
02:22	ZZZZZZ	5346	172450	22124	13867
02:27	ZZZZZZ	5201	177190	20962	13840
02:32	ZZZZZZ	5179	177780	20180	13582
02:37	ZZZZZZ	5347	182620	20924	13739
02:42	ZZZZZZ	5503	176960	22490	13973
02:47	MA57435-CCV20	5156	172500	21127	13391
02:52	MA57435-CCB21	5135	175910	20374	13520
02:57	ZZZZZZ	5112	177060	20155	13757
03:02	ZZZZZZ	5027	170750	20916	15869
03:07	ZZZZZZ	5279	165810	22675	14353
03:12	ZZZZZZ	5128	174970	21332	13975
03:18	ZZZZZZ	5057	175890	20409	13638
03:23	ZZZZZZ	5211	178130	20926	13764
03:28	ZZZZZZ	5357	171750	22601	14013
03:33	ZZZZZZ	5212	175000	22192	14072
03:38	ZZZZZZ	5066	177150	20830	13529
03:43	ZZZZZZ	5016	175210	20213	13741
03:48	MA57435-CCV21	5077	168580	20583	13270
03:53	MA57435-CCB22	5264	170650	22170	13696

INTERNAL STANDARD SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120424M1.ICP Date Analyzed: 12/04/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57435
Parameters: K,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
03:58	ZZZZZZ	5064	170150	21171	13204
04:04	ZZZZZZ	4881	169390	19803	12802
04:09	ZZZZZZ	4754	166130	19125	12008
04:14	ZZZZZZ	5192	170690	21567	14091
04:19	ZZZZZZ	5169	170070	22174	13818
04:24	ZZZZZZ	5003	174830	21152	14500
04:29	ZZZZZZ	4962	174750	20316	13327
04:34	ZZZZZZ	4991	174880	20422	13538
04:39	ZZZZZZ	5291	170040	22164	13848
04:44	ZZZZZZ	5154	170730	22300	13809
04:49	MA57435-CCV22	4951	170670	20296	13094
04:54	MA57435-CCB23	5005	173700	20041	13332
04:59	ZZZZZZ	5065	175010	20770	13992
05:05	ZZZZZZ	No results reported for the elements associated with this internal standard.			
05:10	MP51309-B1	5130	172870	21805	13489
05:14	MP51309-MB1	5118	177530	20882	13509
05:19	MP51309-S1	4786	168210	19891	12007
05:25	MP51309-S2	4942	172140	20543	12369
05:30	JE1666-1	4974	165580	21738	12287
05:35	MP51309-SD1	4969	169690	21308	12862
05:40	ZZZZZZ	5192	180080	21802	13098
05:45	ZZZZZZ	5093	177740	20636	12823
05:50	MA57435-CCV23	5180	169980	21158	13417
05:55	MA57435-CCB24	5218	170690	22198	13637
06:00	ZZZZZZ	5129	176050	21391	13559
06:06	ZZZZZZ	5164	181010	20995	13836
06:11	ZZZZZZ	5283	181330	21772	13583
06:16	ZZZZZZ	5263	171390	22264	13062
06:21	ZZZZZZ	5199	176070	22248	13928
06:26	ZZZZZZ	5027	175970	21040	12456
06:31	ZZZZZZ	4876	170910	19916	12171
06:36	ZZZZZZ	5276	177690	22146	13011
06:42	ZZZZZZ	5417	180200	23697	12941

INTERNAL STANDARD SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120424M1.ICP Date Analyzed: 12/04/24 Methods: EPA 200.7, SW846 6010D
Analyst: KP Run ID: MA57435
Parameters: K,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
06:47	ZZZZZZ	5082	173170	21482	12607
06:52	MA57435-CCV24	4977	172060	20166	13133
06:57	MA57435-CCB25	5160	176390	20816	13616
07:02	ZZZZZZ	5083	167700	21683	12315
07:07	ZZZZZZ	4889	167210	21391	13092
07:12	ZZZZZZ	5632	193580	23262	12937
07:17	ZZZZZZ	5449	189300	21789	13921
07:22	ZZZZZZ	5411	179170	22246	13978
07:27	ZZZZZZ	5260	176360	22933	13423
07:33	MA57435-CCV25	4990	170980	21162	13165
07:38	MA57435-CCB26	5135	173990	20598	13562
07:43	ZZZZZZ	No results reported for the elements associated with this internal standard.			
07:48	ZZZZZZ	No results reported for the elements associated with this internal standard.			
07:53	ZZZZZZ	No results reported for the elements associated with this internal standard.			
07:58	ZZZZZZ	No results reported for the elements associated with this internal standard.			
08:03	ZZZZZZ	No results reported for the elements associated with this internal standard.			
08:08	ZZZZZZ	No results reported for the elements associated with this internal standard.			

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %
Istd#2	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %
Istd#4	Indium	70-130 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120424M1.ICP Date Analyzed: 12/04/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57435 Units: ug/l

Time:			08:49		09:10		10:11		11:10	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	27	anr							
Antimony	6.0	2.2	anr							
Arsenic	3.0	1.3	anr							
Barium	200	1	anr							
Beryllium	1.0	.2	anr							
Bismuth	20	2.1								
Boron	100	1								
Cadmium	3.0	.2	anr							
Calcium	5000	7.7	anr							
Cerium	100									
Chromium	10	.5	anr							
Cobalt	50	.4	anr							
Copper	10	6.8	anr							
Iron	100	15	anr							
Lead	3.0	1.6	anr							
Lithium	50	3.7								
Magnesium	5000	54	anr							
Manganese	15	.1	anr							
Molybdenum	20	.5								
Nickel	10	.3	anr							
Phosphorus	50	1.8								
Potassium	10000	77	29.1	<10000	-76.9	<10000	-221	<10000	-46.0	<10000
Selenium	10	2	anr							
Silicon	200	1.3								
Silver	10	.9	-0.100	<10	0.00	<10	0.100	<10	0.00	<10
Sodium	10000	23	anr							
Strontium	10	.4								
Sulfur	50	4.1	anr							
Thallium	10	1.6	anr							
Tin	10	.9								
Titanium	10	.9								
Tungsten	50	2								
Vanadium	50	.8	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120424M1.ICP Date Analyzed: 12/04/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57435 Units: ug/l

Time:			08:49		09:10		10:11		11:10	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.2	anr							
Zirconium	10	.5								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120424M1.ICP Date Analyzed: 12/04/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57435 Units: ug/l

Time:			11:59		12:49		13:13		14:08	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	27	anr							
Antimony	6.0	2.2	anr							
Arsenic	3.0	1.3	anr							
Barium	200	1	anr							
Beryllium	1.0	.2	anr							
Bismuth	20	2.1								
Boron	100	1								
Cadmium	3.0	.2	anr							
Calcium	5000	7.7	anr							
Cerium	100									
Chromium	10	.5	anr							
Cobalt	50	.4	anr							
Copper	10	6.8	anr							
Iron	100	15	anr							
Lead	3.0	1.6	anr							
Lithium	50	3.7								
Magnesium	5000	54	anr							
Manganese	15	.1	anr							
Molybdenum	20	.5								
Nickel	10	.3	anr							
Phosphorus	50	1.8								
Potassium	10000	77	-178	<10000	-228	<10000	-310	<10000	-429	<10000
Selenium	10	2	anr							
Silicon	200	1.3								
Silver	10	.9	0.300	<10	0.200	<10	0.200	<10	-0.200	<10
Sodium	10000	23	anr							
Strontium	10	.4								
Sulfur	50	4.1	anr							
Thallium	10	1.6	anr							
Tin	10	.9								
Titanium	10	.9								
Tungsten	50	2								
Vanadium	50	.8	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120424M1.ICP Date Analyzed: 12/04/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57435 Units: ug/l

Time:			11:59		12:49		13:13		14:08	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.2	anr							
Zirconium	10	.5								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120424M1.ICP Date Analyzed: 12/04/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57435 Units: ug/l

Time:			15:07		15:32		16:06		17:01	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	27	anr							
Antimony	6.0	2.2	anr							
Arsenic	3.0	1.3	anr							
Barium	200	1	anr							
Beryllium	1.0	.2	anr							
Bismuth	20	2.1								
Boron	100	1								
Cadmium	3.0	.2	anr							
Calcium	5000	7.7	anr							
Cerium	100									
Chromium	10	.5	anr							
Cobalt	50	.4	anr							
Copper	10	6.8	anr							
Iron	100	15	anr							
Lead	3.0	1.6	anr							
Lithium	50	3.7								
Magnesium	5000	54	anr							
Manganese	15	.1	anr							
Molybdenum	20	.5								
Nickel	10	.3	anr							
Phosphorus	50	1.8								
Potassium	10000	77	-355	<10000	-438	<10000	-267	<10000	-268	<10000
Selenium	10	2	anr							
Silicon	200	1.3								
Silver	10	.9	-0.400	<10	-0.300	<10	-0.200	<10	-0.300	<10
Sodium	10000	23	anr							
Strontium	10	.4								
Sulfur	50	4.1	anr							
Thallium	10	1.6	anr							
Tin	10	.9								
Titanium	10	.9								
Tungsten	50	2								
Vanadium	50	.8	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120424M1.ICP Date Analyzed: 12/04/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57435 Units: ug/l

Time:			15:07		15:32		16:06		17:01	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.2	anr							
Zirconium	10	.5								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120424M1.ICP Date Analyzed: 12/04/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57435 Units: ug/l

Time:			18:02		18:58		19:59	
Sample ID:			CCB12		CCB13		CCB14	
Metal	RL	IDL	raw	final	raw	final	raw	final
Aluminum	200	27	anr					
Antimony	6.0	2.2	anr					
Arsenic	3.0	1.3	anr					
Barium	200	1	anr					
Beryllium	1.0	.2	anr					
Bismuth	20	2.1						
Boron	100	1						
Cadmium	3.0	.2	anr					
Calcium	5000	7.7	anr					
Cerium	100							
Chromium	10	.5	anr					
Cobalt	50	.4	anr					
Copper	10	6.8	anr					
Iron	100	15	anr					
Lead	3.0	1.6	anr					
Lithium	50	3.7						
Magnesium	5000	54	anr					
Manganese	15	.1	anr					
Molybdenum	20	.5						
Nickel	10	.3	anr					
Phosphorus	50	1.8						
Potassium	10000	77	-284	<10000	-468	<10000	-232	<10000
Selenium	10	2	anr					
Silicon	200	1.3						
Silver	10	.9	-0.300	<10	-0.200	<10	-0.800	<10
Sodium	10000	23	anr					
Strontium	10	.4						
Sulfur	50	4.1	anr					
Thallium	10	1.6	anr					
Tin	10	.9						
Titanium	10	.9						
Tungsten	50	2						
Vanadium	50	.8	anr					

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120424M1.ICP Date Analyzed: 12/04/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57435 Units: ug/l

Time:			18:02		18:58		19:59	
Sample ID:			CCB12		CCB13		CCB14	
Metal	RL	IDL	raw	final	raw	final	raw	final
Zinc	20	.2	anr					
Zirconium	10	.5						

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120424M1.ICP Date Analyzed: 12/04/24 Methods: EPA 200.7, SW846 6010D
QC Limits: to % Recovery Run ID: MA57435 Units: ug/l

Time:		09:00	
Sample ID:	ICCV	ICCV2	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Bismuth			
Boron			
Cadmium	anr		
Calcium	anr		
Cerium			
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	anr		
Lead	anr		
Lithium			
Magnesium	anr		
Manganese	anr		
Molybdenum			
Nickel	anr		
Phosphorus			
Potassium	40000	39000	97.5
Selenium	anr		
Silicon			
Silver	250	250	100.0
Sodium	anr		
Strontium			
Sulfur	anr		
Thallium	anr		
Tin			
Titanium			
Tungsten			
Vanadium	anr		

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120424M1.ICP Date Analyzed: 12/04/24 Methods: EPA 200.7, SW846 6010D
QC Limits: to % Recovery Run ID: MA57435 Units: ug/l

Time:		09:00	
Sample ID:	ICCV	ICCV2	
Metal	True	Results	% Rec
Zinc	anr		
Zirconium			

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120424M1.ICP Date Analyzed: 12/04/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57435 Units: ug/l

Time:		08:43			10:07			11:05	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Bismuth									
Boron									
Cadmium	anr								
Calcium	anr								
Cerium									
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Lithium									
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Phosphorus									
Potassium	40000	37900	94.8*(a)	40000	37400	93.5	40000	41100	102.8
Selenium	anr								
Silicon									
Silver	250	253	101.2	250	248	99.2	250	229	91.6
Sodium	anr								
Strontium									
Sulfur	anr								
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120424M1.ICP Date Analyzed: 12/04/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57435 Units: ug/l

Time:		08:43			10:07			11:05	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	anr								
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested
(a) Within 90 to 110 percent limits required for SW846 6010. No EPA 200.7 samples reported for this element in the area bracketed by this QC.

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120424M1.ICP Date Analyzed: 12/04/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57435 Units: ug/l

Time:		11:54			12:44			13:09	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Bismuth									
Boron									
Cadmium	anr								
Calcium	anr								
Cerium									
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Lithium									
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Phosphorus									
Potassium	40000	37300	93.3	40000	41700	104.3	40000	41200	103.0
Selenium	anr								
Silicon									
Silver	250	257	102.8	250	237	94.8	250	238	95.2
Sodium	anr								
Strontium									
Sulfur	anr								
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120424M1.ICP Date Analyzed: 12/04/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57435 Units: ug/l

Time:		11:54			12:44			13:09	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	anr								
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120424M1.ICP Date Analyzed: 12/04/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57435 Units: ug/l

Time:		14:03			15:02			15:27	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Bismuth									
Boron									
Cadmium	anr								
Calcium	anr								
Cerium									
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Lithium									
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Phosphorus									
Potassium	40000	39500	98.8	40000	36800	92.0	40000	39400	98.5
Selenium	anr								
Silicon									
Silver	250	257	102.8	250	264	105.6	250	260	104.0
Sodium	anr								
Strontium									
Sulfur	anr								
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120424M1.ICP Date Analyzed: 12/04/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57435 Units: ug/l

Time:		14:03			15:02			15:27	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	anr								
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120424M1.ICP Date Analyzed: 12/04/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57435 Units: ug/l

Time:		16:02			16:57			17:57	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Bismuth									
Boron									
Cadmium	anr								
Calcium	anr								
Cerium									
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Lithium									
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Phosphorus									
Potassium	40000	37700	94.3	40000	39300	98.3	40000	41200	103.0
Selenium	anr								
Silicon									
Silver	250	256	102.4	250	244	97.6	250	239	95.6
Sodium	anr								
Strontium									
Sulfur	anr								
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120424M1.ICP Date Analyzed: 12/04/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57435 Units: ug/l

Time:		16:02			16:57			17:57	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	anr								
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120424M1.ICP Date Analyzed: 12/04/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57435 Units: ug/l

Time:		18:53			19:54	
Sample ID:	CCV	CCV12		CCV	CCV13	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	anr					
Antimony	anr					
Arsenic	anr					
Barium	anr					
Beryllium	anr					
Bismuth						
Boron						
Cadmium	anr					
Calcium	anr					
Cerium						
Chromium	anr					
Cobalt	anr					
Copper	anr					
Iron	anr					
Lead	anr					
Lithium						
Magnesium	anr					
Manganese	anr					
Molybdenum						
Nickel	anr					
Phosphorus						
Potassium	40000	38400	96.0	40000	39000	97.5
Selenium	anr					
Silicon						
Silver	250	265	106.0	250	246	98.4
Sodium	anr					
Strontium						
Sulfur	anr					
Thallium	anr					
Tin						
Titanium						
Tungsten						
Vanadium	anr					

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120424M1.ICP Date Analyzed: 12/04/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57435 Units: ug/l

Time:		18:53			19:54	
Sample ID:	CCV	CCV12		CCV	CCV13	
Metal	True	Results	% Rec	True	Results	% Rec
Zinc	anr					
Zirconium						

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120424M1.ICP Date Analyzed: 12/04/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 90 to 110 % Recovery Run ID: MA57435 Units: ug/l

Time:		09:35			09:41	
Sample ID:	HSTD	HSTD1		HSTD	HSTD2	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum						
Antimony	anr					
Arsenic	anr					
Barium	anr					
Beryllium	anr					
Bismuth						
Boron						
Cadmium	anr					
Calcium						
Cerium						
Chromium	anr					
Cobalt	anr					
Copper	anr					
Iron						
Lead	anr					
Lithium						
Magnesium						
Manganese	anr					
Molybdenum						
Nickel	anr					
Phosphorus						
Potassium				200000	195000	97.5
Selenium	anr					
Silicon						
Silver	625	616	98.6			
Sodium						
Strontium						
Sulfur	anr					
Thallium	anr					
Tin						
Titanium						
Tungsten						
Vanadium	anr					

HIGH STANDARD CHECK SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120424M1.ICP Date Analyzed: 12/04/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 90 to 110 % Recovery Run ID: MA57435 Units: ug/l

Time:		09:35			09:41	
Sample ID:	HSTD	HSTD1		HSTD	HSTD2	
Metal	True	Results	% Rec	True	Results	% Rec
Zinc	anr					
Zirconium						

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120424M1.ICP Date Analyzed: 12/04/24 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA57435 Units: ug/l

Time:				09:15		09:20		15:42	
Sample ID:	CRI	CRIA	CRID	CRI1		CRID1		CRID2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	anr					
Antimony	6.0	20	3.0	anr					
Arsenic	8.0	20	3.0	anr					
Barium	200		4.0	anr					
Beryllium	2.0		1.0	anr					
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	anr					
Calcium	5000	2000	1000	anr					
Cerium									
Chromium	10		2.0	anr					
Cobalt	50		3.0	anr					
Copper	10		2.0	anr					
Iron	100	500		anr					
Lead	3.0	20	2.5	anr					
Lithium	50								
Magnesium	5000	2000	100	anr					
Manganese	15		3.0	anr					
Molybdenum	20								
Nickel	10		4.0	anr					
Phosphorus	50								
Potassium	5000		2000	5280	105.6	1890	94.5	1830	91.5
Selenium	10	20	5.0	anr					
Silicon	200								
Silver	5.0		2.0	4.60	92.0				
Sodium	5000		1000	anr					
Strontium	10								
Sulfur	50			anr					
Thallium	10		2.0	anr					
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	anr					

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120424M1.ICP Date Analyzed: 12/04/24 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA57435 Units: ug/l

Time:				09:15		09:20		15:42	
Sample ID:	CRI	CRIA	CRID	CRI1		CRID1		CRID2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zinc	20		10	anr					
Zirconium	10								

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120424M1.ICP Date Analyzed: 12/04/24 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA57435 Units: ug/l

Time:				16:11	
Sample ID:	CRI	CRIA	CRID	CRI2	
Metal	True	True	True	Results	% Rec
Aluminum	200	500	100	anr	
Antimony	6.0	20	3.0	anr	
Arsenic	8.0	20	3.0	anr	
Barium	200		4.0	anr	
Beryllium	2.0		1.0	anr	
Bismuth	20				
Boron	100		10		
Cadmium	3.0		1.0	anr	
Calcium	5000	2000	1000	anr	
Cerium					
Chromium	10		2.0	anr	
Cobalt	50		3.0	anr	
Copper	10		2.0	anr	
Iron	100	500		anr	
Lead	3.0	20	2.5	anr	
Lithium	50				
Magnesium	5000	2000	100	anr	
Manganese	15		3.0	anr	
Molybdenum	20				
Nickel	10		4.0	anr	
Phosphorus	50				
Potassium	5000		2000	4980	99.6
Selenium	10	20	5.0	anr	
Silicon	200				
Silver	5.0		2.0	4.30	86.0
Sodium	5000		1000	anr	
Strontium	10				
Sulfur	50			anr	
Thallium	10		2.0	anr	
Tin	10				
Titanium	10				
Tungsten	50				
Vanadium	50		2.0	anr	

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120424M1.ICP Date Analyzed: 12/04/24 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA57435 Units: ug/l

Time:				16:11	
Sample ID:	CRI	CRIA	CRID	CRI2	
Metal	True	True	True	Results	% Rec
Zinc	20		10	anr	
Zirconium	10				

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120424M1.ICP Date Analyzed: 12/04/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 80 to 120 % Recovery Run ID: MA57435 Units: ug/l

Time:			09:25		09:30		15:47		15:52	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	469000	93.8	518000	103.6	519000	103.8	502000	100.4
Antimony		1000	1.50		1100	110.0	4.00		1150	115.0
Arsenic		1000	-1.70		999	99.9	-1.60		1050	105.0
Barium		500	-1.20		510	102.0	-1.30		507	101.4
Beryllium		500	-0.500		517	103.4	-0.600		508	101.6
Bismuth		500	1.00		551	110.2	-2.80		566	113.2
Boron		500	-4.20		508	101.6	-6.30		521	104.2
Cadmium		1000	-0.600		1050	105.0	-0.400		1090	109.0
Calcium	400000	400000	363000	90.8	388000	97.0	380000	95.0	371000	92.8
Cerium			-3.50		-4.60		-4.30		-1.20	
Chromium		500	-1.60		461	92.2	-1.00		465	93.0
Cobalt		500	3.40		474	94.8	4.20		481	96.2
Copper		500	-0.900		503	100.6	-3.20		511	102.2
Iron	200000	200000	189000	94.5	192000	96.0	188000	94.0	189000	94.5
Lead		1000	-1.50		892	89.2	2.00		899	89.9
Lithium		500	-5.00		557	111.4	-7.80		563	112.6
Magnesium	500000	500000	483000	96.6	485000	97.0	461000	92.2	464000	92.8
Manganese		500	-3.70		479	95.8	-3.90		504	100.8
Molybdenum		500	-0.700		501	100.2	-1.30		506	101.2
Nickel		1000	0.500		962	96.2	0.500		984	98.4
Phosphorus		500	-11.0		495	99.0	-8.30		517	103.4
Potassium			-42.8		25.5		-5.90		-9.40	
Selenium		1000	2.50		1020	102.0	-0.100		1030	103.0
Silicon		500	-12.5		504	100.8	-12.4		526	105.2
Silver		1000	0.500		1000	100.0	-0.300		1050	105.0
Sodium			96.0		69.1		207		245	
Strontium		500	-0.200		495	99.0	-0.400		482	96.4
Sulfur		500	-16.1		485	97.0	-12.5		508	101.6
Thallium		1000	-3.10		961	96.1	-1.80		933	93.3
Tin		500	1.50		497	99.4	0.100		520	104.0
Titanium		500	0.600		554	110.8	0.300		561	112.2
Tungsten		500	6.30		474	94.8	6.00		497	99.4
Vanadium		500	-4.30		481	96.2	-3.00		490	98.0

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SD120424M1.ICP Date Analyzed: 12/04/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 80 to 120 % Recovery Run ID: MA57435 Units: ug/l

Time:			09:25		09:30		15:47		15:52	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Zinc		1000	-5.30		962	96.2	-4.60		951	95.1
Zirconium		500	-1.60		409	81.8	-2.70		414	82.8

(*) Outside of QC limits
(anr) Analyte not requested

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H9121324W1.CSV Date Analyzed: 12/13/24 Methods: SW846 7470A
Analyst: MK Run ID: MA57492
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:31	MA57492-STD1	1		STDA
09:33	MA57492-STD2	1		STDB
09:34	MA57492-STD3	1		STDC
09:35	MA57492-STD4	1		STDD
09:37	MA57492-STD5	1		STDE
09:39	MA57492-STD6	1		STDF
09:45	ZZZZZZ	1		
09:47	MA57492-ICV1	1		
09:48	MA57492-ICB1	1		
09:50	MA57492-CCV1	1		
09:51	MA57492-CCB1	1		
09:53	MA57492-CRI1	1		
09:54	MP51603-MB1	1		
09:56	MP51603-B1	1		
09:57	MP51603-B2	1		
09:59	MP51603-S1	1		
10:01	MP51603-S2	1		
10:03	JE2369-1F	1		(sample used for QC only; not part of login JE1534)
10:04	ZZZZZZ	1		
10:06	ZZZZZZ	1		
10:07	MA57492-CCV2	1		
10:09	MA57492-CCB2	1		
10:10	ZZZZZZ	1		
10:12	ZZZZZZ	1		
10:13	ZZZZZZ	1		
10:15	ZZZZZZ	1		
10:16	ZZZZZZ	1		
10:17	MP51604-MB1	1		
10:19	MP51604-LB1	1		
10:20	MP51604-B1	1		
10:21	MP51604-LS1	1		
10:23	MA57492-CCV3	1		
10:25	MA57492-CCB3	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H9121324W1.CSV Date Analyzed: 12/13/24 Methods: SW846 7470A
Analyst: MK Run ID: MA57492
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:27	MP51604-S1	1		
10:28	MP51604-S2	1		
10:30	JE2280-1	1		(sample used for QC only; not part of login JE1534)
10:32	ZZZZZZ	1		
10:34	ZZZZZZ	1		
10:35	ZZZZZZ	1		
10:37	ZZZZZZ	1		
10:38	ZZZZZZ	1		
10:40	MA57492-CCV4	1		
10:41	MA57492-CCB4	1		
10:43	MP51605-MB1	1		
10:44	MP51605-LB1	1		
10:46	MP51605-B1	1		
10:47	MP51605-LS1	1		
10:49	MP51605-S1	1		
10:51	MP51605-S2	1		
10:53	JE2230-1	1		(sample used for QC only; not part of login JE1534)
10:54	ZZZZZZ	1		
10:56	ZZZZZZ	1		
10:58	MA57492-CCV5	1		
11:00	MA57492-CCB5	1		
11:02	ZZZZZZ	1		
11:03	ZZZZZZ	1		
11:05	ZZZZZZ	1		
11:06	ZZZZZZ	1		
11:08	ZZZZZZ	1		
11:09	ZZZZZZ	1		
11:10	ZZZZZZ	1		
11:12	ZZZZZZ	1		
11:13	ZZZZZZ	1		
11:14	MA57492-CCV6	1		
11:16	MA57492-CCB6	1		
11:18	MP51277-S1	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H9121324W1.CSV Date Analyzed: 12/13/24 Methods: SW846 7470A
Analyst: MK Run ID: MA57492
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:19	MP51277-S2	1		
---------->	Last reportable sample/prep for job JE1534			
11:21	JE1580-1	1		(sample used for QC only; not part of login JE1534)
11:23	MA57492-CCV7	1		
11:24	MA57492-CCB7	1		
---------->	Last reportable CCB for job JE1534			
	Refer to raw data for calibration curve and standards.			

REPORTED ELEMENTS SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H9121324W1.CSV Date Analyzed: 12/13/24 Methods: SW846 7470A
Analyst: MK Run ID: MA57492
Parameters: Hg

Time	Sample Description	Element: Dilution	Hg	
09:45	ZZZZZZ	1		
09:47	MA57492-ICV1	1	X	
09:48	MA57492-ICB1	1	X	
09:50	MA57492-CCV1	1	X	
09:51	MA57492-CCB1	1	X	
09:53	MA57492-CRI1	1	X	
09:54	MP51603-MB1	1	X	
09:56	MP51603-B1	1	X	
09:57	MP51603-B2	1	X	
09:59	MP51603-S1	1	X	
10:01	MP51603-S2	1	X	
10:03	JE2369-1F	1	X	(a)
10:04	ZZZZZZ	1		
10:06	ZZZZZZ	1		
10:07	MA57492-CCV2	1	X	
10:09	MA57492-CCB2	1	X	
10:10	ZZZZZZ	1		
10:12	ZZZZZZ	1		
10:13	ZZZZZZ	1		
10:15	ZZZZZZ	1		
10:16	ZZZZZZ	1		
10:17	MP51604-MB1	1	X	
10:19	MP51604-LB1	1		
10:20	MP51604-B1	1	X	
10:21	MP51604-LS1	1	X	
10:23	MA57492-CCV3	1	X	
10:25	MA57492-CCB3	1	X	
10:27	MP51604-S1	1	X	
10:28	MP51604-S2	1	X	
10:30	JE2280-1	1	X	(a)
10:32	ZZZZZZ	1		
10:34	ZZZZZZ	1		
10:35	ZZZZZZ	1		
		Element:	Hg	

REPORTED ELEMENTS SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H9121324W1.CSV Date Analyzed: 12/13/24 Methods: SW846 7470A
Analyst: MK Run ID: MA57492
Parameters: Hg

Time	Sample Description	Element: Dilution	Hg	
10:37	ZZZZZZ	1		
10:38	ZZZZZZ	1		
10:40	MA57492-CCV4	1	X	
10:41	MA57492-CCB4	1	X	
10:43	MP51605-MB1	1	X	
10:44	MP51605-LB1	1		
10:46	MP51605-B1	1	X	
10:47	MP51605-LS1	1	X	
10:49	MP51605-S1	1	X	
10:51	MP51605-S2	1	X	
10:53	JE2230-1	1	X	(a)
10:54	ZZZZZZ	1		
10:56	ZZZZZZ	1		
10:58	MA57492-CCV5	1	X	
11:00	MA57492-CCB5	1	X	
11:02	ZZZZZZ	1		
11:03	ZZZZZZ	1		
11:05	ZZZZZZ	1		
11:06	ZZZZZZ	1		
11:08	ZZZZZZ	1		
11:09	ZZZZZZ	1		
11:10	ZZZZZZ	1		
11:12	ZZZZZZ	1		
11:13	ZZZZZZ	1		
11:14	MA57492-CCV6	1	X	
11:16	MA57492-CCB6	1	X	
11:18	MP51277-S1	1	X	
11:19	MP51277-S2	1	X	
11:21	JE1580-1	1		(a)
11:23	MA57492-CCV7	1	X	
11:24	MA57492-CCB7	1	X	

(a) Sample used for QC only; not part of login JE1534.

Element:	Hg

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H9121324W1.CSV Date Analyzed: 12/13/24 Methods: SW846 7470A
QC Limits: result < RL Run ID: MA57492 Units: ug/l

Time:			09:48		09:51		10:09		10:25	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.04	-0.0468	<0.20	-0.0354	<0.20	-0.0245	<0.20	-0.0371	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H9121324W1.CSV Date Analyzed: 12/13/24 Methods: SW846 7470A
QC Limits: result < RL Run ID: MA57492 Units: ug/l

Time:			10:41		11:00		11:16		11:24	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.04	-0.0330	<0.20	-0.0194	<0.20	-0.0235	<0.20	-0.0385	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H9121324W1.CSV Date Analyzed: 12/13/24 Methods: SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA57492 Units: ug/l

Time:		09:47			09:50			10:07	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	3	3.03	101.0	2.5	2.57	102.8	2.5	2.51	100.4

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H9121324W1.CSV Date Analyzed: 12/13/24 Methods: SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA57492 Units: ug/l

Time:		10:23			10:40			10:58	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.41	96.4	2.5	2.41	96.4	2.5	2.65	106.0

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H9121324W1.CSV Date Analyzed: 12/13/24 Methods: SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA57492 Units: ug/l

Time:		11:14			11:23	
Sample ID:	CCV	CCV6		CCV	CCV7	
Metal	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.65	106.0	2.5	2.64	105.6

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H9121324W1.CSV Date Analyzed: 12/13/24 Methods: SW846 7470A
QC Limits: 70 to 130 % Recovery Run ID: MA57492 Units: ug/l

Time:			09:53	
Sample ID:	CRI	CRIA	CRI1	
Metal	True	True	Results	% Rec
Mercury	0.20		0.227	113.5

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51263
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 12/02/24

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	27	150	-17	<200
Antimony	6.0	2.2	4.7	-1.0	<6.0
Arsenic	3.0	1.3	2.8	-0.40	<3.0
Barium	200	1	13	-0.90	<200
Beryllium	1.0	.2	.5	-0.10	<1.0
Bismuth	20	2.1	8.6		
Boron	100	1	10		
Cadmium	3.0	.2	1	-0.10	<3.0
Calcium	5000	7.7	99	13.4	<5000
Cerium	100				
Chromium	10	.5	2	-0.20	<10
Cobalt	50	.4	2.6	0.30	<50
Copper	10	6.8	5.9	2.8	<10
Iron	100	15	32	10.7	<100
Lead	3.0	1.6	1.8	0.60	<3.0
Lithium	50	3.7	7.3		
Magnesium	5000	54	140	24.1	<5000
Manganese	15	.1	1.4	0.10	<15
Molybdenum	20	.5	3.6		
Nickel	10	.3	1.7	-0.90	<10
Phosphorus	50	1.8	18		
Potassium	10000	77	200	-190	<10000
Selenium	10	2	4.9	0.80	<10
Silicon	200	1.3	32		
Silver	10	.9	6.1	-0.50	<10
Sodium	10000	23	570	267	<10000
Strontium	10	.4	2.7		
Sulfur	50	4.1	45		
Thallium	10	1.6	1.8	0.10	<10
Tin	10	.9	3.7		
Titanium	10	.9	2.5		
Tungsten	50	2	40		
Vanadium	50	.8	1.8	-0.30	<50

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51263
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 12/02/24

Metal	RL	IDL	MDL	MB raw	final
Zinc	20	.2	6.9	2.2	<20
Zirconium	10	.5	4.1		

Associated samples MP51263: JE1534-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51263
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 12/02/24

Metal	JE1559-1 Original	MS	Spikelot MPSPK2	% Rec	QC Limits
Aluminum	0.0	23900	25000	95.6	75-125
Antimony	0.0	2010	2000	100.5	75-125
Arsenic	0.0	2030	2000	101.5	75-125
Barium	24.8	1820	2000	89.8	75-125
Beryllium	0.0	1870	2000	93.5	75-125
Bismuth					
Boron					
Cadmium	0.0	1900	2000	95.0	75-125
Calcium	36700	61500	25000	99.2	75-125
Cerium					
Chromium	0.90	1860	2000	93.0	75-125
Cobalt	0.50	1910	2000	95.5	75-125
Copper	0.0	1790	2000	89.5	75-125
Iron	35.3	24900	25000	99.5	75-125
Lead	0.0	1920	2000	96.0	75-125
Lithium					
Magnesium	9660	34100	25000	97.8	75-125
Manganese	52.0	1930	2000	93.9	75-125
Molybdenum					
Nickel	1.4	1930	2000	96.4	75-125
Phosphorus					
Potassium	4390	28600	25000	96.8	75-125
Selenium	3.5	1890	2000	94.3	75-125
Silicon					
Silver	0.0	248	250	99.2	75-125
Sodium	5860	30400	25000	98.2	75-125
Strontium					
Sulfur					
Thallium	0.0	1940	2000	97.0	75-125
Tin					
Titanium					
Tungsten					
Vanadium	0.60	1790	2000	89.5	75-125

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51263
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 12/02/24

Metal	JE1559-1 Original	MS	Spikelot MPSPK2	% Rec	QC Limits
Zinc	0.90	1880	2000	94.0	75-125
Zirconium					

Associated samples MP51263: JE1534-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51263
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 12/02/24

Metal	JE1559-1 Original	MSD	Spikelot MPSPK2	% Rec	MSD RPD	QC Limit
Aluminum	0.0	22700	25000	90.8	5.2	20
Antimony	0.0	1910	2000	95.5	5.1	20
Arsenic	0.0	1940	2000	97.0	4.5	20
Barium	24.8	1760	2000	86.8	3.4	20
Beryllium	0.0	1770	2000	88.5	5.5	20
Bismuth						
Boron						
Cadmium	0.0	1810	2000	90.5	4.9	20
Calcium	36700	59400	25000	90.8	3.5	20
Cerium						
Chromium	0.90	1780	2000	89.0	4.4	20
Cobalt	0.50	1820	2000	91.0	4.8	20
Copper	0.0	1710	2000	85.5	4.6	20
Iron	35.3	23700	25000	94.7	4.9	20
Lead	0.0	1840	2000	92.0	4.3	20
Lithium						
Magnesium	9660	32600	25000	91.8	4.5	20
Manganese	52.0	1840	2000	89.4	4.8	20
Molybdenum						
Nickel	1.4	1850	2000	92.4	4.2	20
Phosphorus						
Potassium	4390	27300	25000	91.6	4.7	20
Selenium	3.5	1810	2000	90.3	4.3	20
Silicon						
Silver	0.0	239	250	95.6	3.7	20
Sodium	5860	28900	25000	92.2	5.1	20
Strontium						
Sulfur						
Thallium	0.0	1870	2000	93.5	3.7	20
Tin						
Titanium						
Tungsten						
Vanadium	0.60	1730	2000	86.5	3.4	20

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51263
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 12/02/24

Metal	JE1559-1 Original	MSD	Spikelot MPSPK2	% Rec	MSD RPD	QC Limit
Zinc	0.90	1790	2000	89.5	4.9	20
Zirconium						

Associated samples MP51263: JE1534-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51263
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 12/02/24

Metal	BSP Result	Spikelot MPSPK2	% Rec	QC Limits
Aluminum	26500	25000	106.0	80-120
Antimony	2070	2000	103.5	80-120
Arsenic	1990	2000	99.5	80-120
Barium	2010	2000	100.5	80-120
Beryllium	1970	2000	98.5	80-120
Bismuth				
Boron				
Cadmium	1980	2000	99.0	80-120
Calcium	26200	25000	104.8	80-120
Cerium				
Chromium	1940	2000	97.0	80-120
Cobalt	2000	2000	100.0	80-120
Copper	1910	2000	95.5	80-120
Iron	25000	25000	100.0	80-120
Lead	1980	2000	99.0	80-120
Lithium				
Magnesium	25300	25000	101.2	80-120
Manganese	1900	2000	95.0	80-120
Molybdenum				
Nickel	2010	2000	100.5	80-120
Phosphorus				
Potassium	26800	25000	107.2	80-120
Selenium	1950	2000	97.5	80-120
Silicon				
Silver	246	250	98.4	80-120
Sodium	26800	25000	107.2	80-120
Strontium				
Sulfur				
Thallium	2070	2000	103.5	80-120
Tin				
Titanium				
Tungsten				
Vanadium	1920	2000	96.0	80-120

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51263
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 12/02/24

Metal	BSP Result	Spikelot MPSPK2	% Rec	QC Limits
Zinc	1990	2000	99.5	80-120
Zirconium				

Associated samples MP51263: JE1534-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51263
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 12/02/24

Metal	JE1559-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	0.00	0.00	NC	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	0.00	0.00	NC	0-10
Barium	24.8	25.7	3.6	0-10
Beryllium	0.00	0.00	NC	0-10
Bismuth				
Boron				
Cadmium	0.00	0.00	NC	0-10
Calcium	36700	37300	1.4	0-10
Cerium				
Chromium	0.900	1.60	77.8 (a)	0-10
Cobalt	0.500	0.00	100.0(a)	0-10
Copper	0.00	0.00	NC	0-10
Iron	35.3	31.5	10.8 (a)	0-10
Lead	0.00	0.00	NC	0-10
Lithium				
Magnesium	9660	9890	2.4	0-10
Manganese	52.0	53.3	2.5	0-10
Molybdenum				
Nickel	1.40	0.00	100.0(a)	0-10
Phosphorus				
Potassium	4390	4660	6.0	0-10
Selenium	3.50	0.00	100.0(a)	0-10
Silicon				
Silver	0.00	0.00	NC	0-10
Sodium	5860	6770	15.6*(b)	0-10
Strontium				
Sulfur				
Thallium	0.00	0.00	NC	0-10
Tin				
Titanium				
Tungsten				
Vanadium	0.600	0.00	100.0(a)	0-10

SERIAL DILUTION RESULTS SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51263
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 12/02/24

Metal	JE1559-1 Original	SDL 1:5	%DIF	QC Limits
Zinc	0.900	0.00	100.0(a)	0-10
Zirconium				

Associated samples MP51263: JE1534-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
(b) Serial dilution indicates possible matrix interference.

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51277 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 12/02/24

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.20	.04	.095	-0.015	<0.20

Associated samples MP51277: JE1534-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51277
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 12/02/24

Metal	JE1580-1 Original	MS	Spikelot HGPW3	% Rec	QC Limits
Mercury	0.44	2.5	2	106.5	75-125

Associated samples MP51277: JE1534-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51277 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 12/02/24

Metal	JE1580-1 Original	MSD	Spikelot HGPW3	% Rec	MSD RPD	QC Limit
Mercury	0.44	2.4	2	101.5	4.1	20

Associated samples MP51277: JE1534-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51277
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 12/02/24

Metal	BSP Result	Spikelot HGPW3	% Rec	QC Limits
Mercury	2.2	2	110.0	80-120

Associated samples MP51277: JE1534-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries
- Instrument Runlogs/QC
- Percent Solids Raw Data Summary

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Cyanide	GP58071/GN62705	0.010	0.0	mg/l	0.2	0.220	110.0	90-110%

Associated Samples:
Batch GP58071: JE1534-8
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Cyanide	GP58071/GN62705	LB8853-1	mg/l	0.0	0.0087	200.0(a)	0-32%
Solids, Percent	GN62768	JE1512-1	%	86.1	87.1	1.2	0-10%

Associated Samples:
Batch GN62768: JE1534-1, JE1534-2, JE1534-3, JE1534-4, JE1534-5, JE1534-6, JE1534-7
Batch GP58071: JE1534-8
(*) Outside of QC limits
(a) RPD acceptable due to low duplicate and sample concentrations.

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Cyanide	GP58071/GN62705	LB8853-1	mg/l	0.0	0.2	0.11	55.0N	90-110%

Associated Samples:
Batch GP58071: JE1534-8
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: E120224W1.CN Date Analyzed: 12/02/24 Methods: EPA 335.4/LACHAT, SW846 9012B/LACHAT
Analyst: SS Run ID: GN62705
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:15	GN62705-STD1	1		STDA
19:17	GN62705-STD2	1		STDC
19:18	GN62705-STD3	1		STDD
19:19	GN62705-STD4	1		STDB
19:19	GN62705-STD5	1		STDE
19:20	GN62705-STD6	1		STDF
19:21	GN62705-STD7	1		STDG
19:22	GN62705-ICV1	1		
19:23	GN62705-ICB1	1		
19:25	GN62705-CCV1	1		
19:26	GN62705-CCB1	1		
19:27	GP58071-MB1	1		
19:28	GP58071-S2	1		
19:29	GP58071-S1	1		
19:30	GP58071-B1	1		
19:30	GP58071-D1	1		
19:31	LB8853-1	1		(sample used for QC only; not part of login JE1534)
19:32	ZZZZZZ	1		
19:33	ZZZZZZ	1		
19:34	LB8957-1	1		(sample used for QC only; not part of login JE1534)
19:35	ZZZZZZ	1		
19:36	GN62705-CCV2	1		
19:37	GN62705-CCB2	1		
19:38	ZZZZZZ	1		
19:39	ZZZZZZ	1		
19:40	ZZZZZZ	1		
19:41	ZZZZZZ	1		
19:42	ZZZZZZ	1		
19:42	ZZZZZZ	1		
19:43	JE1534-8	1		
19:44	GP58070-MB1	1		
19:46	GP58070-S1	1		
19:47	GN62705-CCV3	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: E120224W1.CN Date Analyzed: 12/02/24 Methods: EPA 335.4/LACHAT, SW846 9012B/LACHAT
Analyst: SS Run ID: GN62705
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:48	GN62705-CCB3	1		
19:50	GP58070-S2	1		
19:51	GP58070-D1	1		
19:52	JE1249-1	1		(sample used for QC only; not part of login JE1534)
19:53	ZZZZZZ	1		
19:54	GP58070-B1	1		
19:55	ZZZZZZ	1		
19:56	ZZZZZZ	1		
19:57	ZZZZZZ	1		
19:58	GN62705-CCV4	1		
19:59	GN62705-CCB4	1		
20:00	ZZZZZZ	1		
20:01	ZZZZZZ	1		
20:02	ZZZZZZ	1		
20:03	JE1384-8A	1		(sample used for QC only; not part of login JE1534)
20:04	ZZZZZZ	1		
20:04	ZZZZZZ	1		
20:05	ZZZZZZ	1		
20:06	ZZZZZZ	1		
20:07	ZZZZZZ	1		
20:08	ZZZZZZ	1		
20:09	GN62705-CCV5	1		
20:10	GN62705-CCB5	1		
20:11	ZZZZZZ	1		
20:12	ZZZZZZ	1		
20:13	ZZZZZZ	1		
20:14	ZZZZZZ	1		
20:15	ZZZZZZ	1		
20:16	GP58097-MB1	1		
20:16	GP58097-B1	1		
20:17	GP58097-S1	1		
20:18	GP58097-S2	1		
20:19	GP58097-D1	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: E120224W1.CN Date Analyzed: 12/02/24 Methods: EPA 335.4/LACHAT, SW846 9012B/LACHAT
Analyst: SS Run ID: GN62705
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:20	GN62705-CCV6	1		
20:21	GN62705-CCB6	1		
20:22	ZZZZZZ	1		
20:23	JE1389-4A	1		(sample used for QC only; not part of login JE1534)
20:24	ZZZZZZ	1		
20:25	ZZZZZZ	1		
20:26	ZZZZZZ	1		
20:27	ZZZZZZ	1		
20:27	ZZZZZZ	1		
20:28	ZZZZZZ	1		
20:29	ZZZZZZ	1		
20:30	JE1493-7	1		(sample used for QC only; not part of login JE1534)
20:31	GN62705-CCV7	1		
20:32	GN62705-CCB7	1		
20:33	ZZZZZZ	1		
20:34	ZZZZZZ	1		
20:35	ZZZZZZ	1		
20:36	ZZZZZZ	1		
20:37	ZZZZZZ	1		
20:38	ZZZZZZ	1		
20:39	ZZZZZZ	1		
20:39	ZZZZZZ	1		
20:40	ZZZZZZ	1		
20:41	ZZZZZZ	1		
20:42	GN62705-CCV8	1		
20:43	GN62705-CCB8	1		
20:44	GP58098-MB1	1		
20:45	GP58098-B1	1		
20:46	GP58098-S1	1		
20:47	GP58098-D1	1		
20:48	ZZZZZZ	1		
20:49	ZZZZZZ	1		
20:50	JE1449-1	1		(sample used for QC only; not part of login JE1534)

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: E120224W1.CN Date Analyzed: 12/02/24 Methods: EPA 335.4/LACHAT, SW846 9012B/LACHAT
Analyst: SS Run ID: GN62705
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
21:01	GN62705-CCV9	1		
21:03	GN62705-CCB9	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: JE1534
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: E120224W1.CN Date Analyzed: 12/02/24 Methods: EPA 335.4/LACHAT, SW846 9012B/LACHAT
Run ID: GN62705 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN62705-ICV1	Cyanide	0.281	0.010	0.0041	.3	93.7	90-110
GN62705-ICB1	Cyanide	0.0041 U	0.010	0.0041			
GN62705-CCV1	Cyanide	0.374	0.010	0.0041	.4	93.5	90-110
GN62705-CCB1	Cyanide	0.00681	0.010	0.0041			
GN62705-CCV2	Cyanide	0.360	0.010	0.0041	.4	90.0	90-110
GN62705-CCB2	Cyanide	0.00575	0.010	0.0041			
GN62705-CCV3	Cyanide	0.376	0.010	0.0041	.4	94.0	90-110
GN62705-CCB3	Cyanide	0.00414	0.010	0.0041			
GN62705-CCV4	Cyanide	0.379	0.010	0.0041	.4	94.8	90-110
GN62705-CCB4	Cyanide	-0.0110 <	0.010	0.0041			
GN62705-CCV5	Cyanide	0.378	0.010	0.0041	.4	94.5	90-110
GN62705-CCB5	Cyanide	-0.0115 <	0.010	0.0041			
GN62705-CCV6	Cyanide	0.378	0.010	0.0041	.4	94.5	90-110
GN62705-CCB6	Cyanide	-0.0124 <	0.010	0.0041			
GN62705-CCV7	Cyanide	0.376	0.010	0.0041	.4	94.0	90-110
GN62705-CCB7	Cyanide	-0.0122 <	0.010	0.0041			
GN62705-CCV8	Cyanide	0.378	0.010	0.0041	.4	94.5	90-110
GN62705-CCB8	Cyanide	-0.0123 <	0.010	0.0041			
GN62705-CCV9	Cyanide	0.405	0.010	0.0041	.4	101.3	90-110
GN62705-CCB9	Cyanide	-0.0111 <	0.010	0.0041			

(!) Outside of QC limits

Percent Solids Raw Data Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: JE1534-1 **Analyzed:** 04-DEC-24 by DP **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-1

Wet Weight (Total)	43.32	g
Tare Weight	34.4	g
Dry Weight (Total)	42.36	g
Solids, Percent	89.2	%

Sample: JE1534-2 **Analyzed:** 04-DEC-24 by DP **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-2

Wet Weight (Total)	35.72	g
Tare Weight	27.99	g
Dry Weight (Total)	35.26	g
Solids, Percent	94	%

Sample: JE1534-3 **Analyzed:** 04-DEC-24 by DP **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-5

Wet Weight (Total)	40.18	g
Tare Weight	32.21	g
Dry Weight (Total)	39.88	g
Solids, Percent	96.2	%

Sample: JE1534-4 **Analyzed:** 04-DEC-24 by DP **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-6

Wet Weight (Total)	35.38	g
Tare Weight	27.03	g
Dry Weight (Total)	34.51	g
Solids, Percent	89.6	%

Sample: JE1534-5 **Analyzed:** 04-DEC-24 by DP **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-17

Wet Weight (Total)	29.52	g
Tare Weight	21.04	g
Dry Weight (Total)	29.28	g
Solids, Percent	97.2	%

Sample: JE1534-6 **Analyzed:** 04-DEC-24 by DP **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-19

Wet Weight (Total)	35.57	g
Tare Weight	27.55	g
Dry Weight (Total)	34.81	g
Solids, Percent	90.5	%

13.5
13

Percent Solids Raw Data Summary

Job Number: JE1534
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: JE1534-7 **Analyzed:** 04-DEC-24 by DP **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-25

Wet Weight (Total)	38.27	g
Tare Weight	30.61	g
Dry Weight (Total)	37.59	g
Solids, Percent	91.1	%

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Matrix New World Engineering, Inc.

Ridgewood Berm Sampling, Ridgewood, NJ

23-1429

SGS Job Number: JE1536

Sampling Date: 11/26/24

Report to:

Matrix New World Engineering, Inc.
26 Columbia Turnpike
Florham Park, NJ 07932
mfeury@mnwe.com

ATTN: Melissa Feury

Total number of pages in report: **944**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

Olga Azarian
Technical Director

Client Service contact: Tammy McCloskey 732-329-0200
Certifications: NJ(12129), NY(10983), CA, CO, CT, FL, HI, IL, IN, KY, LA (120428), MA, MD, ME, MN, NC, NH, NV, AK (UST-103), AZ (AZ0786), PA(68-00408), RI, SC, TX (T104704234), UT, VA, WA, WV

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SGS North America Inc.

Sample Summary

Matrix New World Engineering, Inc.

Job No: JE1536

Ridgewood Berm Sampling, Ridgewood, NJ
Project No: 23-1429

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
This report contains results reported as ND = Not detected. The following applies:							
Organics ND = Not detected above the MDL							
JE1536-1	11/26/24	09:40	DC	11/26/24	SO	Soil	GRID-29
JE1536-2	11/26/24	09:50	DC	11/26/24	SO	Soil	GRID-30
JE1536-3	11/26/24	11:00	DC	11/26/24	SO	Soil	GRID-31
JE1536-4	11/26/24	11:15	DC	11/26/24	SO	Soil	GRID-32
JE1536-5	11/26/24	12:15	DC	11/26/24	SO	Soil	GRID-33
JE1536-6	11/26/24	12:40	DC	11/26/24	SO	Soil	GRID-34
JE1536-7	11/26/24	12:55	DC	11/26/24	SO	Soil	GRID-35
JE1536-8	11/26/24	13:10	DC	11/26/24	SO	Soil	GRID-36

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Matrix New World Engineering, Inc.	**Job No:**	JE1536
Site:	Ridgewood Berm Sampling, Ridgewood, NJ	**Report Date**	12/23/2024 11:55:49 A

On 11/26/2024, 8 sample(s), 0 Trip Blank(s), 0 Equip. Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. (SGS) at a temperature of 2.9 °C. The samples were intact and properly preserved, unless noted below. An SGS Job Number of JE1536 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method SW846 8260D

Matrix: SO **Batch ID:** V3C8319

- All samples were analyzed within the recommended method holding time.
- Sample(s) JE1537-1MS, JE1537-8DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- The matrix spike (MS) recovery(s) of 1,1,2,2-Tetrachloroethane, cis-1,3-Dichloropropene, trans-1,3-Dichloropropene are outside control limits. Outside control limits due to matrix interference.
- The duplicate RPD(s) for 2-Butanone (MEK) are outside control limits for sample JE1537-8DUP. RPD acceptable due to low DUP and sample concentrations.
- JE1536-4 for Dichlorodifluoromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JE1536-3 for Dichlorodifluoromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JE1536-2 for Dichlorodifluoromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JE1536-1 for Dichlorodifluoromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JE1536-8 for Dichlorodifluoromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JE1536-6 for Dichlorodifluoromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JE1536-5 for Dichlorodifluoromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JE1536-7 for Dichlorodifluoromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

MS Semi-volatiles By Method SW846 8270E

Matrix: SO **Batch ID:** OP59876

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE1536-4MS, JE1536-4MSD were used as the QC samples indicated.
- The matrix spike (MS) recovery(s) of 2,4-Dinitrophenol, 4,6-Dinitro-o-cresol are outside control limits. Outside of in house control limits.
- The matrix spike duplicate (MSD) recovery(s) of 2,4-Dinitrophenol, 4,6-Dinitro-o-cresol, Hexachlorocyclopentadiene are outside control limits. Outside of in house control limits.
- The RPD(s) for the MS and MSD recoveries of Hexachlorocyclopentadiene are outside control limits for sample OP59876-MSD. Analytical precision exceeds in-house control limits.

GC/LC Semi-volatiles By Method SW846 8081B

Matrix: SO **Batch ID:** OP59854

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- Sample(s) JE1510-1MS, JE1510-1MSD, OP59854-MSMSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- The matrix spike (MS) recovery(s) of 4,4'-DDT, Endosulfan sulfate, Endrin ketone, gamma-Chlordane, Methoxychlor are outside control limits. Outside of in house control limits.
- The matrix spike duplicate (MSD) recovery(s) of 4,4'-DDD, 4,4'-DDT, alpha-Chlordane, Chlordane (alpha and gamma), Endosulfan sulfate, Endrin aldehyde, gamma-Chlordane, Heptachlor epoxide, Methoxychlor are outside control limits. Outside of in house control limits.
- The RPD(s) for the MS and MSD recoveries of Heptachlor are outside control limits for sample OP59854-MSD. Analytical precision exceeds in-house control limits.
- JE1536-2: Had TBA cleanup.
- JE1536-2 for 4,4'-DDD: More than 40 % RPD for detected concentrations between the two GC columns.
- JE1536-5 for 4,4'-DDT: More than 40 % RPD for detected concentrations between the two GC columns.
- JE1536-5 for 4,4'-DDD: More than 40 % RPD for detected concentrations between the two GC columns.
- JE1536-5 for Methoxychlor: Associated CCV outside of control limits high, sample was ND.
- JE1536-1 for 4,4'-DDT: Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only.
- JE1536-1 for alpha-Chlordane: More than 40 % RPD for detected concentrations between the two GC columns.
- JE1536-1 for 4,4'-DDD: More than 40 % RPD for detected concentrations between the two GC columns.
- OP59854-MS for Decachlorobiphenyl: Outside of in house control limits.
- JE1536-5 for Dieldrin: More than 40 % RPD for detected concentrations between the two GC columns.
- OP59854-MSD for Decachlorobiphenyl: Outside of in house control limits.
- JE1536-1 for Methoxychlor: Associated CCV outside of control limits high, sample was ND.
- JE1536-8 for 4,4'-DDD: More than 40 % RPD for detected concentrations between the two GC columns.
- JE1536-8 for alpha-Chlordane: Reported from 1st signal. Internal standard outside the limits on the 2nd signal. More than 40 % RPD for detected concentrations between the two GC columns.
- JE1536-3 for alpha-Chlordane: More than 40 % RPD for detected concentrations between the two GC columns.
- JE1536-3 for Endosulfan-II: More than 40 % RPD for detected concentrations between the two GC columns.
- OP59854-BS1 for Methoxychlor: Outside of in house control limits.
- JE1536-3 for Heptachlor epoxide: More than 40 % RPD for detected concentrations between the two GC columns.
- JE1536-5 for Decachlorobiphenyl: Outside of in house control limits.
- JE1536-4 for alpha-Chlordane: More than 40 % RPD for detected concentrations between the two GC columns.
- JE1536-4 for Heptachlor epoxide: More than 40 % RPD for detected concentrations between the two GC columns.
- JE1536-8 for Decachlorobiphenyl: Outside of in house control limits.
- JE1536-8 for gamma-Chlordane: More than 40 % RPD for detected concentrations between the two GC columns.
- JE1536-8 for Dieldrin: More than 40 % RPD for detected concentrations between the two GC columns.
- JE1536-8 for Heptachlor epoxide: Reported from 1st signal. Internal standard outside the limits on the 2nd signal.
- JE1536-8 for 4,4'-DDT: More than 40 % RPD for detected concentrations between the two GC columns.
- JE1536-8 for Methoxychlor: Associated CCV outside of control limits high, sample was ND.
- JE1536-7 for Decachlorobiphenyl: Outside of in house control limits.
- JE1536-6 for Methoxychlor: Associated CCV outside of control limits high, sample was ND.
- JE1536-6 for 4,4'-DDD: More than 40 % RPD for detected concentrations between the two GC columns.
- JE1536-6 for Dieldrin: More than 40 % RPD for detected concentrations between the two GC columns.

GC/LC Semi-volatiles By Method SW846 8081B

Matrix: SO **Batch ID:** OP59854

- JE1536-6 for gamma-Chlordane: More than 40 % RPD for detected concentrations between the two GC columns.
- JE1536-6 for Decachlorobiphenyl: Outside of in house control limits.
- JE1536-6 for 4,4'-DDT: Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only. More than 40 % RPD for detected concentrations between the two GC columns.
- JE1536-7 for Methoxychlor: Associated CCV outside of control limits high, sample was ND.
- JE1536-7 for 4,4'-DDD: More than 40 % RPD for detected concentrations between the two GC columns.
- JE1536-7 for 4,4'-DDE: Reported from 1st signal. Internal standard outside the limits on the 2nd signal. More than 40 % RPD for detected concentrations between the two GC columns.
- JE1536-7 for 4,4'-DDT: Reported from 1st signal. Internal standard outside the limits on the 2nd signal.
- JE1536-7 for alpha-Chlordane: Reported from 1st signal. Internal standard outside the limits on the 2nd signal.
- JE1536-7 for Dieldrin: Reported from 1st signal. Internal standard outside the limits on the 2nd signal.
- JE1536-7 for Heptachlor epoxide: Reported from 1st signal. Internal standard outside the limits on the 2nd signal.

GC/LC Semi-volatiles By Method SW846 8082A

Matrix: SO **Batch ID:** OP59855

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE1512-1MS, JE1512-1MSD, OP59855-MSMSD were used as the QC samples indicated.

Metals Analysis By Method SW846 6010D

Matrix: SO **Batch ID:** MP51271

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE1509-1MS, JE1509-1MSD, JE1509-1PS, JE1509-1SDL were used as the QC samples for the metals analysis.
- The matrix spike (MS) recovery(s) of Aluminum, Antimony are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- The matrix spike duplicate (MSD) recovery(s) of Aluminum, Antimony are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- The serial dilution RPD(s) for Arsenic, Beryllium, Cadmium, Copper, Potassium are outside control limits for sample MP51271-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- MP51271-SD1 for Iron: Serial dilution indicates possible matrix interference.
- MP51271-SD1 for Aluminum: Serial dilution indicates possible matrix interference.
- MP51271-SD1 for Calcium: Serial dilution indicates possible matrix interference.

Metals Analysis By Method SW846 7471B

Matrix: SO **Batch ID:** MP51284

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE1510-1MS, JE1510-1MSD were used as the QC samples for the metals analysis.

General Chemistry By Method SM2540 G 18TH ED MOD

Matrix:	SO	Batch ID:	GN62775

- Sample(s) JE1536-1DUP were used as the QC samples for the Solids, Percent analysis.

General Chemistry By Method SW846 9012B/LACHAT

Matrix:	SO	Batch ID:	GP58097

- All samples were prepared within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE1389-4ADUP, JE1389-4AMS were used as the QC samples for the Cyanide analysis.

Matrix:	SO	Batch ID:	GP58144

- All samples were prepared within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE1536-8DUP, JE1536-8MS were used as the QC samples for the Cyanide analysis.
- The matrix spike (MS) recovery(s) of Cyanide are outside control limits. Spike recovery indicates possible matrix interference.

SGS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting SGS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by SGS indicated via signature on the report cover.

Summary of Hits

Job Number: JE1536
Account: Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Collected: 11/26/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JE1536-1	**GRID-29**					
Acenaphthylene		0.0523	0.041	0.021	mg/kg	SW846 8270E
Anthracene		0.0637	0.041	0.025	mg/kg	SW846 8270E
Benzo(a)anthracene		0.241	0.041	0.012	mg/kg	SW846 8270E
Benzo(a)pyrene		0.278	0.041	0.019	mg/kg	SW846 8270E
Benzo(b)fluoranthene		0.338	0.041	0.018	mg/kg	SW846 8270E
Benzo(g,h,i)perylene		0.174	0.041	0.020	mg/kg	SW846 8270E
Benzo(k)fluoranthene		0.0902	0.041	0.019	mg/kg	SW846 8270E
Carbazole		0.0109 J	0.081	0.0059	mg/kg	SW846 8270E
Chrysene		0.231	0.041	0.013	mg/kg	SW846 8270E
Dibenzo(a,h)anthracene		0.0435	0.041	0.018	mg/kg	SW846 8270E
bis(2-Ethylhexyl)phthalate		0.0118 J	0.081	0.0095	mg/kg	SW846 8270E
Fluoranthene		0.380	0.041	0.018	mg/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene		0.135	0.041	0.019	mg/kg	SW846 8270E
Phenanthrene		0.151	0.041	0.014	mg/kg	SW846 8270E
Pyrene		0.356	0.041	0.013	mg/kg	SW846 8270E
Total TIC, Semi-Volatile		3.48 J			mg/kg	
alpha-Chlordane [a]		0.0014	0.00048	0.000065	mg/kg	SW846 8081B
gamma-Chlordane		0.0011	0.00048	0.000073	mg/kg	SW846 8081B
Chlordane (alpha and gamma)		0.0025	0.00048	0.000065	mg/kg	SW846 8081B
Dieldrin		0.00059	0.00048	0.000077	mg/kg	SW846 8081B
4,4'-DDD [a]		0.00065	0.00048	0.000051	mg/kg	SW846 8081B
4,4'-DDE		0.0014	0.00048	0.000058	mg/kg	SW846 8081B
4,4'-DDT [b]		0.0020	0.00048	0.000085	mg/kg	SW846 8081B
Endosulfan-I		0.00051	0.00048	0.000065	mg/kg	SW846 8081B
Heptachlor epoxide		0.00030 J	0.00048	0.000087	mg/kg	SW846 8081B
Aluminum		5710	40		mg/kg	SW846 6010D
Arsenic		1.8	1.6		mg/kg	SW846 6010D
Barium		19.1	16		mg/kg	SW846 6010D
Beryllium		0.25	0.16		mg/kg	SW846 6010D
Calcium		2160	400		mg/kg	SW846 6010D
Chromium		6.6	0.79		mg/kg	SW846 6010D
Copper		9.4	2.0		mg/kg	SW846 6010D
Iron		10000	40		mg/kg	SW846 6010D
Lead		7.6	1.6		mg/kg	SW846 6010D
Magnesium		1640	400		mg/kg	SW846 6010D
Manganese		174	1.2		mg/kg	SW846 6010D
Nickel		7.0	3.2		mg/kg	SW846 6010D
Vanadium		14.0	4.0		mg/kg	SW846 6010D
Zinc		21.5	4.0		mg/kg	SW846 6010D
JE1536-2	**GRID-30**					
Acenaphthylene		0.0502	0.036	0.018	mg/kg	SW846 8270E

Summary of Hits

Job Number: JE1536
Account: Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Collected: 11/26/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Anthracene		0.0594	0.036	0.022	mg/kg	SW846 8270E
Benzo(a)anthracene		0.196	0.036	0.010	mg/kg	SW846 8270E
Benzo(a)pyrene		0.267	0.036	0.017	mg/kg	SW846 8270E
Benzo(b)fluoranthene		0.294	0.036	0.016	mg/kg	SW846 8270E
Benzo(g,h,i)perylene		0.178	0.036	0.018	mg/kg	SW846 8270E
Benzo(k)fluoranthene		0.114	0.036	0.017	mg/kg	SW846 8270E
Carbazole		0.0201 J	0.073	0.0053	mg/kg	SW846 8270E
Chrysene		0.213	0.036	0.011	mg/kg	SW846 8270E
Dibenzo(a,h)anthracene		0.0432	0.036	0.016	mg/kg	SW846 8270E
Fluoranthene		0.360	0.036	0.016	mg/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene		0.140	0.036	0.017	mg/kg	SW846 8270E
Phenanthrene		0.144	0.036	0.012	mg/kg	SW846 8270E
Pyrene		0.319	0.036	0.012	mg/kg	SW846 8270E
Total TIC, Semi-Volatile		4.77 J			mg/kg	
alpha-Chlordane [c]		0.0011	0.00043	0.000059	mg/kg	SW846 8081B
gamma-Chlordane [c]		0.00053	0.00043	0.000065	mg/kg	SW846 8081B
Chlordane (alpha and gamma) [d]		0.0016	0.00043	0.000059	mg/kg	SW846 8081B
Dieldrin [c]		0.00013 J	0.00043	0.000070	mg/kg	SW846 8081B
4,4'-DDD [c]		0.0016	0.00043	0.000046	mg/kg	SW846 8081B
4,4'-DDE [d]		0.0070	0.00043	0.000052	mg/kg	SW846 8081B
4,4'-DDT [c]		0.00045	0.00043	0.000076	mg/kg	SW846 8081B
Aluminum		5850	54		mg/kg	SW846 6010D
Arsenic		2.5	2.2		mg/kg	SW846 6010D
Barium		37.9	22		mg/kg	SW846 6010D
Beryllium		0.32	0.22		mg/kg	SW846 6010D
Calcium		1590	540		mg/kg	SW846 6010D
Chromium		8.3	1.1		mg/kg	SW846 6010D
Copper		9.4	2.7		mg/kg	SW846 6010D
Iron		12800	54		mg/kg	SW846 6010D
Lead		10.3	2.2		mg/kg	SW846 6010D
Magnesium		1900	540		mg/kg	SW846 6010D
Manganese		345	1.6		mg/kg	SW846 6010D
Mercury		0.041	0.032		mg/kg	SW846 7471B
Nickel		11.1	4.3		mg/kg	SW846 6010D
Vanadium		13.9	5.4		mg/kg	SW846 6010D
Zinc		27.8	5.4		mg/kg	SW846 6010D
JE1536-3	**GRID-31**					
Acenaphthene		0.0730	0.041	0.014	mg/kg	SW846 8270E
Acenaphthylene		0.0933	0.041	0.021	mg/kg	SW846 8270E
Anthracene		0.231	0.041	0.025	mg/kg	SW846 8270E
Benzo(a)anthracene		0.809	0.041	0.012	mg/kg	SW846 8270E
Benzo(a)pyrene		0.902	0.041	0.019	mg/kg	SW846 8270E
Benzo(b)fluoranthene		1.02	0.041	0.018	mg/kg	SW846 8270E

Summary of Hits

Job Number: JE1536
Account: Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Collected: 11/26/24

Lab Sample ID Client Sample ID Analyte	Result/ Qual	RL	MDL	Units	Method
Benzo(g,h,i)perylene	0.486	0.041	0.020	mg/kg	SW846 8270E
Benzo(k)fluoranthene	0.337	0.041	0.019	mg/kg	SW846 8270E
1,1'-Biphenyl	0.0078 J	0.082	0.0056	mg/kg	SW846 8270E
Carbazole	0.0527 J	0.082	0.0059	mg/kg	SW846 8270E
Chrysene	0.724	0.041	0.013	mg/kg	SW846 8270E
Dibenzo(a,h)anthracene	0.124	0.041	0.018	mg/kg	SW846 8270E
Dibenzofuran	0.0358 J	0.082	0.017	mg/kg	SW846 8270E
Di-n-butyl phthalate	0.0108 J	0.082	0.0067	mg/kg	SW846 8270E
bis(2-Ethylhexyl)phthalate	0.0311 J	0.082	0.0095	mg/kg	SW846 8270E
Fluoranthene	1.72	0.041	0.018	mg/kg	SW846 8270E
Fluorene	0.0885	0.041	0.019	mg/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene	0.407	0.041	0.019	mg/kg	SW846 8270E
Naphthalene	0.0221 J	0.041	0.012	mg/kg	SW846 8270E
Phenanthrene	0.675	0.041	0.014	mg/kg	SW846 8270E
Pyrene	1.29	0.041	0.013	mg/kg	SW846 8270E
Total TIC, Semi-Volatile	2.43 J			mg/kg	
alpha-BHC	0.00016 J	0.00049	0.000056	mg/kg	SW846 8081B
alpha-Chlordane [a]	0.0140	0.00049	0.000066	mg/kg	SW846 8081B
gamma-Chlordane	0.0083	0.00049	0.000073	mg/kg	SW846 8081B
Chlordane (alpha and gamma)	0.0223	0.00049	0.000066	mg/kg	SW846 8081B
Dieldrin	0.0014	0.00049	0.000078	mg/kg	SW846 8081B
4,4'-DDD	0.00067	0.00049	0.000051	mg/kg	SW846 8081B
4,4'-DDE	0.0038	0.00049	0.000059	mg/kg	SW846 8081B
4,4'-DDT	0.0144	0.00049	0.000086	mg/kg	SW846 8081B
Endosulfan-II [a]	0.00016 J	0.00049	0.000069	mg/kg	SW846 8081B
Heptachlor	0.00037 J	0.00049	0.000064	mg/kg	SW846 8081B
Heptachlor epoxide [a]	0.0021	0.00049	0.000088	mg/kg	SW846 8081B
Aroclor 1260	0.0160 J	0.024	0.0084	mg/kg	SW846 8082A
Aluminum	6230	40		mg/kg	SW846 6010D
Arsenic	3.2	1.6		mg/kg	SW846 6010D
Barium	36.3	16		mg/kg	SW846 6010D
Beryllium	0.45	0.16		mg/kg	SW846 6010D
Calcium	1480	400		mg/kg	SW846 6010D
Chromium	10.8	0.79		mg/kg	SW846 6010D
Cobalt	5.1	4.0		mg/kg	SW846 6010D
Copper	12.1	2.0		mg/kg	SW846 6010D
Iron	12400	40		mg/kg	SW846 6010D
Lead	41.2	1.6		mg/kg	SW846 6010D
Magnesium	2390	400		mg/kg	SW846 6010D
Manganese	241	1.2		mg/kg	SW846 6010D
Mercury	0.050	0.038		mg/kg	SW846 7471B
Nickel	10.6	3.2		mg/kg	SW846 6010D
Vanadium	15.4	4.0		mg/kg	SW846 6010D
Zinc	42.2	4.0		mg/kg	SW846 6010D

Summary of Hits

Job Number: JE1536
Account: Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Collected: 11/26/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JE1536-4	**GRID-32**					
Acenaphthene		0.0135 J	0.036	0.013	mg/kg	SW846 8270E
Acenaphthylene		0.0305 J	0.036	0.018	mg/kg	SW846 8270E
Anthracene		0.0724	0.036	0.022	mg/kg	SW846 8270E
Benzo(a)anthracene		0.201	0.036	0.010	mg/kg	SW846 8270E
Benzo(a)pyrene		0.263	0.036	0.016	mg/kg	SW846 8270E
Benzo(b)fluoranthene		0.283	0.036	0.016	mg/kg	SW846 8270E
Benzo(g,h,i)perylene		0.179	0.036	0.018	mg/kg	SW846 8270E
Benzo(k)fluoranthene		0.0843	0.036	0.017	mg/kg	SW846 8270E
1,1'-Biphenyl		0.0059 J	0.072	0.0050	mg/kg	SW846 8270E
Carbazole		0.0188 J	0.072	0.0053	mg/kg	SW846 8270E
Chrysene		0.197	0.036	0.011	mg/kg	SW846 8270E
Dibenzo(a,h)anthracene		0.0448	0.036	0.016	mg/kg	SW846 8270E
Di-n-butyl phthalate		0.0066 J	0.072	0.0059	mg/kg	SW846 8270E
bis(2-Ethylhexyl)phthalate		0.0305 J	0.072	0.0085	mg/kg	SW846 8270E
Fluoranthene		0.391	0.036	0.016	mg/kg	SW846 8270E
Fluorene		0.0265 J	0.036	0.017	mg/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene		0.136	0.036	0.017	mg/kg	SW846 8270E
Naphthalene		0.0112 J	0.036	0.010	mg/kg	SW846 8270E
Phenanthrene		0.198	0.036	0.012	mg/kg	SW846 8270E
Pyrene		0.306	0.036	0.012	mg/kg	SW846 8270E
Total TIC, Semi-Volatile		3.08 J			mg/kg	
alpha-Chlordane [a]		0.0032	0.00040	0.000055	mg/kg	SW846 8081B
gamma-Chlordane		0.0019	0.00040	0.000061	mg/kg	SW846 8081B
Chlordane (alpha and gamma)		0.0051	0.00040	0.000055	mg/kg	SW846 8081B
Dieldrin		0.00059	0.00040	0.000065	mg/kg	SW846 8081B
4,4'-DDD		0.0033	0.00040	0.000042	mg/kg	SW846 8081B
4,4'-DDE		0.0181	0.00040	0.000049	mg/kg	SW846 8081B
4,4'-DDT		0.0018	0.00040	0.000071	mg/kg	SW846 8081B
Heptachlor epoxide [a]		0.00046	0.00040	0.000073	mg/kg	SW846 8081B
Aluminum		6360	59		mg/kg	SW846 6010D
Arsenic		3.8	2.3		mg/kg	SW846 6010D
Barium		36.7	23		mg/kg	SW846 6010D
Beryllium		0.29	0.23		mg/kg	SW846 6010D
Calcium		1370	590		mg/kg	SW846 6010D
Chromium		8.5	1.2		mg/kg	SW846 6010D
Copper		9.3	2.9		mg/kg	SW846 6010D
Iron		10500	59		mg/kg	SW846 6010D
Lead		27.7	2.3		mg/kg	SW846 6010D
Magnesium		1390	590		mg/kg	SW846 6010D
Manganese		205	1.8		mg/kg	SW846 6010D
Mercury		0.23	0.031		mg/kg	SW846 7471B
Nickel		7.1	4.7		mg/kg	SW846 6010D
Vanadium		13.0	5.9		mg/kg	SW846 6010D

Summary of Hits

Job Number: JE1536
Account: Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Collected: 11/26/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Zinc		31.3	5.9		mg/kg	SW846 6010D
JE1536-5	**GRID-33**					
Methylene chloride		0.0030 J	0.0058	0.0030	mg/kg	SW846 8260D
Acenaphthene		0.0394	0.036	0.012	mg/kg	SW846 8270E
Acenaphthylene		0.0294 J	0.036	0.018	mg/kg	SW846 8270E
Acetophenone		0.0081 J	0.18	0.0076	mg/kg	SW846 8270E
Anthracene		0.0961	0.036	0.022	mg/kg	SW846 8270E
Benzo(a)anthracene		0.268	0.036	0.010	mg/kg	SW846 8270E
Benzo(a)pyrene		0.264	0.036	0.016	mg/kg	SW846 8270E
Benzo(b)fluoranthene		0.334	0.036	0.016	mg/kg	SW846 8270E
Benzo(g,h,i)perylene		0.161	0.036	0.018	mg/kg	SW846 8270E
Benzo(k)fluoranthene		0.101	0.036	0.017	mg/kg	SW846 8270E
Butyl benzyl phthalate		0.0111 J	0.071	0.0087	mg/kg	SW846 8270E
Benzaldehyde		0.0089 J	0.18	0.0088	mg/kg	SW846 8270E
Carbazole		0.0591 J	0.071	0.0052	mg/kg	SW846 8270E
Chrysene		0.258	0.036	0.011	mg/kg	SW846 8270E
Dibenzo(a,h)anthracene		0.0421	0.036	0.016	mg/kg	SW846 8270E
Dibenzofuran		0.0175 J	0.071	0.014	mg/kg	SW846 8270E
bis(2-Ethylhexyl)phthalate		0.0139 J	0.071	0.0083	mg/kg	SW846 8270E
Fluoranthene		0.553	0.036	0.016	mg/kg	SW846 8270E
Fluorene		0.0359 J	0.036	0.016	mg/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene		0.134	0.036	0.017	mg/kg	SW846 8270E
2-Methylnaphthalene		0.0125 J	0.036	0.0080	mg/kg	SW846 8270E
Naphthalene		0.0303 J	0.036	0.010	mg/kg	SW846 8270E
Phenanthrene		0.264	0.036	0.012	mg/kg	SW846 8270E
Pyrene		0.372	0.036	0.011	mg/kg	SW846 8270E
Total TIC, Semi-Volatile		4.78 J			mg/kg	
alpha-Chlordane		0.0045	0.00042	0.000057	mg/kg	SW846 8081B
gamma-Chlordane		0.0026	0.00042	0.000064	mg/kg	SW846 8081B
Chlordane (alpha and gamma)		0.0071	0.00042	0.000057	mg/kg	SW846 8081B
Dieldrin [a]		0.00051	0.00042	0.000068	mg/kg	SW846 8081B
4,4'-DDD [a]		0.00099	0.00042	0.000044	mg/kg	SW846 8081B
4,4'-DDE		0.0019	0.00042	0.000051	mg/kg	SW846 8081B
4,4'-DDT [a]		0.0021	0.00042	0.000074	mg/kg	SW846 8081B
Heptachlor epoxide		0.00091	0.00042	0.000076	mg/kg	SW846 8081B
Aroclor 1262		0.0059 J	0.021	0.0018	mg/kg	SW846 8082A
Aluminum		9460	55		mg/kg	SW846 6010D
Arsenic		5.8	2.2		mg/kg	SW846 6010D
Barium		25.3	22		mg/kg	SW846 6010D
Beryllium		0.39	0.22		mg/kg	SW846 6010D
Calcium		2770	550		mg/kg	SW846 6010D
Chromium		10.6	1.1		mg/kg	SW846 6010D
Copper		9.7	2.8		mg/kg	SW846 6010D

Summary of Hits

Job Number: JE1536
Account: Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Collected: 11/26/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Iron		14000	55		mg/kg	SW846 6010D
Lead		31.6	2.2		mg/kg	SW846 6010D
Magnesium		1980	550		mg/kg	SW846 6010D
Manganese		400	1.7		mg/kg	SW846 6010D
Mercury		0.071	0.030		mg/kg	SW846 7471B
Nickel		8.9	4.4		mg/kg	SW846 6010D
Vanadium		17.7	5.5		mg/kg	SW846 6010D
Zinc		29.4	5.5		mg/kg	SW846 6010D
JE1536-6	**GRID-34**					
Acenaphthene		0.0855	0.036	0.012	mg/kg	SW846 8270E
Acenaphthylene		0.199	0.036	0.018	mg/kg	SW846 8270E
Anthracene		0.373	0.036	0.022	mg/kg	SW846 8270E
Benzo(a)anthracene		0.977	0.036	0.010	mg/kg	SW846 8270E
Benzo(a)pyrene		1.06	0.036	0.016	mg/kg	SW846 8270E
Benzo(b)fluoranthene		1.29	0.036	0.016	mg/kg	SW846 8270E
Benzo(g,h,i)perylene		0.530	0.036	0.018	mg/kg	SW846 8270E
Benzo(k)fluoranthene		0.380	0.036	0.017	mg/kg	SW846 8270E
1,1'-Biphenyl		0.0083 J	0.072	0.0049	mg/kg	SW846 8270E
Carbazole		0.0529 J	0.072	0.0052	mg/kg	SW846 8270E
Chrysene		0.875	0.036	0.011	mg/kg	SW846 8270E
Dibenzo(a,h)anthracene		0.141	0.036	0.016	mg/kg	SW846 8270E
Dibenzofuran		0.0525 J	0.072	0.015	mg/kg	SW846 8270E
Fluoranthene		2.15	0.036	0.016	mg/kg	SW846 8270E
Fluorene		0.141	0.036	0.017	mg/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene		0.451	0.036	0.017	mg/kg	SW846 8270E
2-Methylnaphthalene		0.0145 J	0.036	0.0082	mg/kg	SW846 8270E
Naphthalene		0.0226 J	0.036	0.010	mg/kg	SW846 8270E
Phenanthrene		0.825	0.036	0.012	mg/kg	SW846 8270E
Pyrene		1.49	0.036	0.012	mg/kg	SW846 8270E
Total TIC, Semi-Volatile		7.73 J			mg/kg	
alpha-Chlordane		0.0023	0.00043	0.000058	mg/kg	SW846 8081B
gamma-Chlordane [a]		0.0017	0.00043	0.000065	mg/kg	SW846 8081B
Chlordane (alpha and gamma)		0.0040	0.00043	0.000058	mg/kg	SW846 8081B
Dieldrin [a]		0.00032 J	0.00043	0.000069	mg/kg	SW846 8081B
4,4'-DDD [a]		0.0014	0.00043	0.000045	mg/kg	SW846 8081B
4,4'-DDE		0.0022	0.00043	0.000052	mg/kg	SW846 8081B
4,4'-DDT [e]		0.0030	0.00043	0.000076	mg/kg	SW846 8081B
Endosulfan-I		0.00049	0.00043	0.000058	mg/kg	SW846 8081B
Heptachlor epoxide		0.00048	0.00043	0.000078	mg/kg	SW846 8081B
Aluminum		6230	56		mg/kg	SW846 6010D
Arsenic		2.5	2.2		mg/kg	SW846 6010D
Barium		30.5	22		mg/kg	SW846 6010D
Beryllium		0.29	0.22		mg/kg	SW846 6010D

Summary of Hits

Job Number: JE1536
Account: Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Collected: 11/26/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Calcium		1440	560		mg/kg	SW846 6010D
Chromium		8.4	1.1		mg/kg	SW846 6010D
Copper		9.6	2.8		mg/kg	SW846 6010D
Iron		12000	56		mg/kg	SW846 6010D
Lead		21.3	2.2		mg/kg	SW846 6010D
Magnesium		1650	560		mg/kg	SW846 6010D
Manganese		206	1.7		mg/kg	SW846 6010D
Mercury		0.040	0.032		mg/kg	SW846 7471B
Nickel		7.6	4.5		mg/kg	SW846 6010D
Vanadium		15.3	5.6		mg/kg	SW846 6010D
Zinc		31.4	5.6		mg/kg	SW846 6010D
JE1536-7	**GRID-35**					
Acenaphthene		0.0224 J	0.037	0.013	mg/kg	SW846 8270E
Acenaphthylene		0.0539	0.037	0.019	mg/kg	SW846 8270E
Anthracene		0.0824	0.037	0.023	mg/kg	SW846 8270E
Benzo(a)anthracene		0.295	0.037	0.010	mg/kg	SW846 8270E
Benzo(a)pyrene		0.335	0.037	0.017	mg/kg	SW846 8270E
Benzo(b)fluoranthene		0.381	0.037	0.016	mg/kg	SW846 8270E
Benzo(g,h,i)perylene		0.205	0.037	0.018	mg/kg	SW846 8270E
Benzo(k)fluoranthene		0.145	0.037	0.017	mg/kg	SW846 8270E
Carbazole		0.0233 J	0.074	0.0053	mg/kg	SW846 8270E
Chrysene		0.301	0.037	0.012	mg/kg	SW846 8270E
Dibenzo(a,h)anthracene		0.0544	0.037	0.016	mg/kg	SW846 8270E
Fluoranthene		0.579	0.037	0.016	mg/kg	SW846 8270E
Fluorene		0.0224 J	0.037	0.017	mg/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene		0.166	0.037	0.017	mg/kg	SW846 8270E
2-Methylnaphthalene		0.0084 J	0.037	0.0083	mg/kg	SW846 8270E
Naphthalene		0.0152 J	0.037	0.010	mg/kg	SW846 8270E
Phenanthrene		0.232	0.037	0.012	mg/kg	SW846 8270E
Pyrene		0.500	0.037	0.012	mg/kg	SW846 8270E
Total TIC, Semi-Volatile		2.08 J			mg/kg	
alpha-Chlordane [f]		0.0090	0.00044	0.000060	mg/kg	SW846 8081B
gamma-Chlordane		0.0051	0.00044	0.000066	mg/kg	SW846 8081B
Chlordane (alpha and gamma)		0.0141	0.00044	0.000060	mg/kg	SW846 8081B
Dieldrin [f]		0.0013	0.00044	0.000071	mg/kg	SW846 8081B
4,4'-DDD [a]		0.0012	0.00044	0.000046	mg/kg	SW846 8081B
4,4'-DDE [g]		0.0043	0.00044	0.000053	mg/kg	SW846 8081B
4,4'-DDT [f]		0.0043	0.00044	0.000077	mg/kg	SW846 8081B
Endosulfan-I		0.00054	0.00044	0.000060	mg/kg	SW846 8081B
Heptachlor epoxide [f]		0.0010	0.00044	0.000079	mg/kg	SW846 8081B
Aroclor 1262		0.0072 J	0.022	0.0018	mg/kg	SW846 8082A
Aluminum		7490	56		mg/kg	SW846 6010D
Arsenic		3.6	2.3		mg/kg	SW846 6010D

Summary of Hits

Job Number: JE1536
Account: Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Collected: 11/26/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Barium		34.4	23		mg/kg	SW846 6010D
Beryllium		0.37	0.23		mg/kg	SW846 6010D
Calcium		1560	560		mg/kg	SW846 6010D
Chromium		11.8	1.1		mg/kg	SW846 6010D
Copper		12.8	2.8		mg/kg	SW846 6010D
Iron		13100	56		mg/kg	SW846 6010D
Lead		32.1	2.3		mg/kg	SW846 6010D
Magnesium		1730	560		mg/kg	SW846 6010D
Manganese		253	1.7		mg/kg	SW846 6010D
Mercury		0.12	0.034		mg/kg	SW846 7471B
Nickel		9.0	4.5		mg/kg	SW846 6010D
Vanadium		17.6	5.6		mg/kg	SW846 6010D
Zinc		38.2	5.6		mg/kg	SW846 6010D
JE1536-8	**GRID-36**					
Benzo(a)anthracene		0.0585	0.037	0.010	mg/kg	SW846 8270E
Benzo(a)pyrene		0.0533	0.037	0.017	mg/kg	SW846 8270E
Benzo(b)fluoranthene		0.0812	0.037	0.016	mg/kg	SW846 8270E
Benzo(g,h,i)perylene		0.0372	0.037	0.018	mg/kg	SW846 8270E
Benzo(k)fluoranthene		0.0280 J	0.037	0.017	mg/kg	SW846 8270E
Carbazole		0.0154 J	0.073	0.0053	mg/kg	SW846 8270E
Chrysene		0.0662	0.037	0.012	mg/kg	SW846 8270E
bis(2-Ethylhexyl)phthalate		0.0138 J	0.073	0.0086	mg/kg	SW846 8270E
Fluoranthene		0.0955	0.037	0.016	mg/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene		0.0301 J	0.037	0.017	mg/kg	SW846 8270E
Phenanthrene		0.0411	0.037	0.012	mg/kg	SW846 8270E
Pyrene		0.0741	0.037	0.012	mg/kg	SW846 8270E
Total TIC, Semi-Volatile		10.06 J			mg/kg	
alpha-Chlordane [g]		0.0013	0.00044	0.000059	mg/kg	SW846 8081B
gamma-Chlordane [a]		0.00023 J	0.00044	0.000066	mg/kg	SW846 8081B
Chlordane (alpha and gamma)		0.0015	0.00044	0.000059	mg/kg	SW846 8081B
Dieldrin [a]		0.00018 J	0.00044	0.000070	mg/kg	SW846 8081B
4,4'-DDD [a]		0.00027 J	0.00044	0.000046	mg/kg	SW846 8081B
4,4'-DDE		0.00073	0.00044	0.000053	mg/kg	SW846 8081B
4,4'-DDT [a]		0.00077	0.00044	0.000077	mg/kg	SW846 8081B
Heptachlor epoxide [f]		0.00023 J	0.00044	0.000079	mg/kg	SW846 8081B
Aluminum		11100	56		mg/kg	SW846 6010D
Arsenic		6.3	2.2		mg/kg	SW846 6010D
Barium		29.9	22		mg/kg	SW846 6010D
Beryllium		0.40	0.22		mg/kg	SW846 6010D
Calcium		1260	560		mg/kg	SW846 6010D
Chromium		11.1	1.1		mg/kg	SW846 6010D
Copper		10.9	2.8		mg/kg	SW846 6010D
Iron		15000	56		mg/kg	SW846 6010D

Summary of Hits

Job Number: JE1536
Account: Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Collected: 11/26/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Lead		60.7	2.2		mg/kg	SW846 6010D
Magnesium		1600	560		mg/kg	SW846 6010D
Manganese		237	1.7		mg/kg	SW846 6010D
Mercury		0.11	0.033		mg/kg	SW846 7471B
Nickel		8.8	4.4		mg/kg	SW846 6010D
Vanadium		20.7	5.6		mg/kg	SW846 6010D
Zinc		37.0	5.6		mg/kg	SW846 6010D

(a) More than 40 % RPD for detected concentrations between the two GC columns.
(b) Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only.
(c) Had TBA cleanup. More than 40 % RPD for detected concentrations between the two GC columns.
(d) Had TBA cleanup.
(e) Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only. More than 40 % RPD for detected concentrations between the two GC columns.
(f) Reported from 1st signal. Internal standard outside the limits on the 2nd signal.
(g) Reported from 1st signal. Internal standard outside the limits on the 2nd signal. More than 40 % RPD for detected concentrations between the two GC columns.

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Client Sample ID: GRID-29
Lab Sample ID: JE1536-1
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/26/24
Date Received: 11/26/24
Percent Solids: 81.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C191305.D	1	12/02/24 18:18	PS	11/27/24 17:00	n/a	V3C8319
Run #2							

	Initial Weight
Run #1	4.5 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	0.014	0.0056	mg/kg	
71-43-2	Benzene	ND	0.00068	0.00062	mg/kg	
74-97-5	Bromochloromethane	ND	0.0068	0.00076	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0027	0.00058	mg/kg	
75-25-2	Bromoform	ND	0.0068	0.0018	mg/kg	
74-83-9	Bromomethane	ND	0.0068	0.0010	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.014	0.0033	mg/kg	
75-15-0	Carbon disulfide	ND	0.0027	0.00073	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0027	0.00084	mg/kg	
108-90-7	Chlorobenzene	ND	0.0027	0.00062	mg/kg	
75-00-3	Chloroethane	ND	0.0068	0.00080	mg/kg	
67-66-3	Chloroform	ND	0.0027	0.0014	mg/kg	
74-87-3	Chloromethane	ND	0.0068	0.0027	mg/kg	
110-82-7	Cyclohexane	ND	0.0027	0.00089	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0027	0.00094	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0027	0.00076	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0014	0.00057	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0014	0.00074	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0014	0.00067	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0014	0.00067	mg/kg	
75-71-8	Dichlorodifluoromethane [a]	ND	0.0068	0.00099	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0014	0.00067	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0014	0.00064	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0014	0.00089	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0014	0.0011	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0014	0.00083	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0027	0.00064	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0027	0.00065	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0027	0.00062	mg/kg	
100-41-4	Ethylbenzene	ND	0.0014	0.00062	mg/kg	
76-13-1	Freon 113	ND	0.0068	0.0036	mg/kg	
591-78-6	2-Hexanone	ND	0.0068	0.0029	mg/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: GRID-29
Lab Sample ID: JE1536-1
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/26/24
Date Received: 11/26/24
Percent Solids: 81.8

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0027	0.0019	mg/kg	
79-20-9	Methyl Acetate	ND	0.0068	0.0019	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0027	0.0012	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0014	0.00064	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0068	0.0031	mg/kg	
75-09-2	Methylene chloride	ND	0.0068	0.0035	mg/kg	
100-42-5	Styrene	ND	0.0027	0.00055	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0027	0.00081	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0027	0.00079	mg/kg	
108-88-3	Toluene	ND	0.0014	0.00071	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0068	0.0034	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0068	0.0034	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0027	0.00066	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0027	0.00075	mg/kg	
79-01-6	Trichloroethene	ND	0.0014	0.0010	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0068	0.00093	mg/kg	
75-01-4	Vinyl chloride	ND	0.0027	0.00065	mg/kg	
	m,p-Xylene	ND	0.0014	0.0012	mg/kg	
95-47-6	o-Xylene	ND	0.0014	0.00062	mg/kg	
1330-20-7	Xylene (total)	ND	0.0014	0.00062	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		80-124%
17060-07-0	1,2-Dichloroethane-D4	101%		75-133%
2037-26-5	Toluene-D8	89%		79-125%
460-00-4	4-Bromofluorobenzene	88%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	.84	.031	mg/kg	J
	Total TIC, Volatile		0	mg/kg	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: GRID-29
Lab Sample ID: JE1536-1
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/26/24
Date Received: 11/26/24
Percent Solids: 81.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4P694139.D	1	12/06/24 11:09	KH	12/06/24 11:00	OP59876	E4P3703
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.081	0.020	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.20	0.025	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.20	0.035	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.20	0.073	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.20	0.15	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.20	0.044	mg/kg	
95-48-7	2-Methylphenol	ND	0.081	0.026	mg/kg	
	3&4-Methylphenol	ND	0.081	0.033	mg/kg	
88-75-5	2-Nitrophenol	ND	0.20	0.027	mg/kg	
100-02-7	4-Nitrophenol	ND	0.41	0.11	mg/kg	
87-86-5	Pentachlorophenol	ND	0.16	0.038	mg/kg	
108-95-2	Phenol	ND	0.081	0.021	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.20	0.027	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.20	0.031	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.20	0.024	mg/kg	
83-32-9	Acenaphthene	ND	0.041	0.014	mg/kg	
208-96-8	Acenaphthylene	0.0523	0.041	0.021	mg/kg	
98-86-2	Acetophenone	ND	0.20	0.0088	mg/kg	
120-12-7	Anthracene	0.0637	0.041	0.025	mg/kg	
1912-24-9	Atrazine	ND	0.081	0.017	mg/kg	
56-55-3	Benzo(a)anthracene	0.241	0.041	0.012	mg/kg	
50-32-8	Benzo(a)pyrene	0.278	0.041	0.019	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.338	0.041	0.018	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.174	0.041	0.020	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.0902	0.041	0.019	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.081	0.016	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.081	0.0099	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.081	0.0056	mg/kg	
100-52-7	Benzaldehyde	ND	0.20	0.010	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.081	0.0097	mg/kg	
106-47-8	4-Chloroaniline	ND	0.20	0.015	mg/kg	
86-74-8	Carbazole	0.0109	0.081	0.0059	mg/kg	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: GRID-29
Lab Sample ID: JE1536-1
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/26/24
Date Received: 11/26/24
Percent Solids: 81.8

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.081	0.016	mg/kg	
218-01-9	Chrysene	0.231	0.041	0.013	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.081	0.0087	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.081	0.018	mg/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	0.081	0.015	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.081	0.013	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.041	0.013	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.041	0.020	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.081	0.034	mg/kg	
123-91-1	1,4-Dioxane	ND	0.041	0.027	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.0435	0.041	0.018	mg/kg	
132-64-9	Dibenzofuran	ND	0.081	0.017	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.081	0.0066	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.081	0.010	mg/kg	
84-66-2	Diethyl phthalate	ND	0.081	0.0087	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.081	0.0073	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	0.0118	0.081	0.0095	mg/kg	J
206-44-0	Fluoranthene	0.380	0.041	0.018	mg/kg	
86-73-7	Fluorene	ND	0.041	0.019	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.081	0.010	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.041	0.016	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.41	0.016	mg/kg	
67-72-1	Hexachloroethane	ND	0.20	0.020	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.135	0.041	0.019	mg/kg	
78-59-1	Isophorone	ND	0.081	0.0087	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.041	0.0092	mg/kg	
88-74-4	2-Nitroaniline	ND	0.20	0.0096	mg/kg	
99-09-2	3-Nitroaniline	ND	0.20	0.010	mg/kg	
100-01-6	4-Nitroaniline	ND	0.20	0.011	mg/kg	
91-20-3	Naphthalene	ND	0.041	0.011	mg/kg	
98-95-3	Nitrobenzene	ND	0.081	0.016	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.081	0.012	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.20	0.015	mg/kg	
85-01-8	Phenanthrene	0.151	0.041	0.014	mg/kg	
129-00-0	Pyrene	0.356	0.041	0.013	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.20	0.010	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	68%		10-99%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GRID-29		
Lab Sample ID:	JE1536-1	**Date Sampled:**	11/26/24
Matrix:	SO - Soil	**Date Received:**	11/26/24
Method:	SW846 8270E SW846 3546	**Percent Solids:**	81.8
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	67%		10-96%
118-79-6	2,4,6-Tribromophenol	71%		10-123%
4165-60-0	Nitrobenzene-d5	70%		10-109%
321-60-8	2-Fluorobiphenyl	74%		11-109%
1718-51-0	Terphenyl-d14	70%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Alkane	12.33	.28	mg/kg	J
	Unknown PAH substance	12.43	.3	mg/kg	J
	Unknown	12.71	.24	mg/kg	J
	Unknown	12.82	.16	mg/kg	J
	Unknown	12.88	.43	mg/kg	J
	Unknown	12.95	.22	mg/kg	J
	Alkane	13.06	.46	mg/kg	J
	Unknown	13.13	.19	mg/kg	J
	Unknown	13.17	.21	mg/kg	J
	Unknown	13.31	.17	mg/kg	J
	Unknown	13.35	.17	mg/kg	J
	Unknown	13.53	.26	mg/kg	J
	Unknown	13.67	.18	mg/kg	J
	Unknown	14.30	.21	mg/kg	J
	Total TIC, Semi-Volatile		3.48	mg/kg	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: GRID-29
Lab Sample ID: JE1536-1
Matrix: SO - Soil
Method: SW846 8081B SW846 3570
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/26/24
Date Received: 11/26/24
Percent Solids: 81.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4G9742100.D	1	12/07/24 13:26	RK	12/06/24 08:10	OP59854	G4G4521
Run #2							

	Initial Weight	Final Volume
Run #1	5.1 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.00048	0.000094	mg/kg	
319-84-6	alpha-BHC	ND	0.00048	0.000056	mg/kg	
319-85-7	beta-BHC	ND	0.00048	0.000070	mg/kg	
319-86-8	delta-BHC	ND	0.00048	0.000073	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.00048	0.000085	mg/kg	
5103-71-9	alpha-Chlordane [a]	0.0014	0.00048	0.000065	mg/kg	
5103-74-2	gamma-Chlordane	0.0011	0.00048	0.000073	mg/kg	
57-74-9	Chlordane (alpha and gamma)	0.0025	0.00048	0.000065	mg/kg	
60-57-1	Dieldrin	0.00059	0.00048	0.000077	mg/kg	
72-54-8	4,4'-DDD [a]	0.00065	0.00048	0.000051	mg/kg	
72-55-9	4,4'-DDE	0.0014	0.00048	0.000058	mg/kg	
50-29-3	4,4'-DDT [b]	0.0020	0.00048	0.000085	mg/kg	
72-20-8	Endrin	ND	0.00048	0.000070	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.00048	0.000058	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00048	0.00014	mg/kg	
959-98-8	Endosulfan-I	0.00051	0.00048	0.000065	mg/kg	
33213-65-9	Endosulfan-II	ND	0.00048	0.000068	mg/kg	
76-44-8	Heptachlor	ND	0.00048	0.000063	mg/kg	
1024-57-3	Heptachlor epoxide	0.00030	0.00048	0.000087	mg/kg	J
72-43-5	Methoxychlor [c]	ND	0.00048	0.00019	mg/kg	
53494-70-5	Endrin ketone	ND	0.00048	0.000077	mg/kg	
8001-35-2	Toxaphene	ND	0.0061	0.0040	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	124%		46-145%
877-09-8	Tetrachloro-m-xylene	107%		46-145%
2051-24-3	Decachlorobiphenyl	122%		29-163%
2051-24-3	Decachlorobiphenyl	128%		29-163%

(a) More than 40 % RPD for detected concentrations between the two GC columns.
(b) Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GRID-29		
Lab Sample ID:	JE1536-1	**Date Sampled:**	11/26/24
Matrix:	SO - Soil	**Date Received:**	11/26/24
Method:	SW846 8081B SW846 3570	**Percent Solids:**	81.8
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q

being used for confirmation only.
(c) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: GRID-29
Lab Sample ID: JE1536-1
Matrix: SO - Soil
Method: SW846 8082A SW846 3570
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/26/24
Date Received: 11/26/24
Percent Solids: 81.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RM30418.D	1	12/10/24 15:16	MLC	12/06/24 08:10	OP59855	GRM722
Run #2							

	Initial Weight	Final Volume
Run #1	5.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.024	0.010	mg/kg	
11104-28-2	Aroclor 1221	ND	0.024	0.0081	mg/kg	
11141-16-5	Aroclor 1232	ND	0.024	0.020	mg/kg	
53469-21-9	Aroclor 1242	ND	0.024	0.015	mg/kg	
12672-29-6	Aroclor 1248	ND	0.024	0.0052	mg/kg	
11097-69-1	Aroclor 1254	ND	0.024	0.0026	mg/kg	
11096-82-5	Aroclor 1260	ND	0.024	0.0084	mg/kg	
11100-14-4	Aroclor 1268	ND	0.024	0.0024	mg/kg	
37324-23-5	Aroclor 1262	ND	0.024	0.0020	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	114%		35-154%
877-09-8	Tetrachloro-m-xylene	117%		35-154%
2051-24-3	Decachlorobiphenyl	95%		24-176%
2051-24-3	Decachlorobiphenyl	94%		24-176%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GRID-29		
Lab Sample ID:	JE1536-1	**Date Sampled:**	11/26/24
Matrix:	SO - Soil	**Date Received:**	11/26/24
		Percent Solids:	81.8
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	5710	40	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 1.6	1.6	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Arsenic	1.8	1.6	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Barium	19.1	16	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Beryllium	0.25	0.16	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 0.40	0.40	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Calcium	2160	400	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Chromium	6.6	0.79	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Cobalt	< 4.0	4.0	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Copper	9.4	2.0	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Iron	10000	40	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Lead	7.6	1.6	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Magnesium	1640	400	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Manganese	174	1.2	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Mercury	< 0.038	0.038	mg/kg	1	12/02/24	12/03/24	MK	SW846 7471B [1]	SW846 7471B [4]
Nickel	7.0	3.2	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Potassium	< 790	790	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 1.6	1.6	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Silver	< 0.40	0.40	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 790	790	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 0.79	0.79	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Vanadium	14.0	4.0	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Zinc	21.5	4.0	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA57414
(2) Instrument QC Batch: MA57432
(3) Prep QC Batch: MP51271
(4) Prep QC Batch: MP51284

RL = Reporting Limit

Report of Analysis

Client Sample ID: GRID-29
Lab Sample ID: JE1536-1
Matrix: SO - Soil
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/26/24
Date Received: 11/26/24
Percent Solids: 81.8

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.26	0.26	mg/kg	1	12/02/24 20:38	SS	SW846 9012B/LACHAT
Solids, Percent	81.8		%	1	12/04/24 14:42	DP	SM2540 G 18TH ED MOD

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID: GRID-30
Lab Sample ID: JE1536-2
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/26/24
Date Received: 11/26/24
Percent Solids: 91.5

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C191306.D	1	12/02/24 18:44	PS	11/27/24 17:00	n/a	V3C8319
Run #2							

	Initial Weight
Run #1	5.8 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	0.0094	0.0039	mg/kg	
71-43-2	Benzene	ND	0.00047	0.00043	mg/kg	
74-97-5	Bromochloromethane	ND	0.0047	0.00053	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0019	0.00040	mg/kg	
75-25-2	Bromoform	ND	0.0047	0.0013	mg/kg	
74-83-9	Bromomethane	ND	0.0047	0.00072	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.0094	0.0023	mg/kg	
75-15-0	Carbon disulfide	ND	0.0019	0.00050	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0019	0.00058	mg/kg	
108-90-7	Chlorobenzene	ND	0.0019	0.00043	mg/kg	
75-00-3	Chloroethane	ND	0.0047	0.00056	mg/kg	
67-66-3	Chloroform	ND	0.0019	0.00094	mg/kg	
74-87-3	Chloromethane	ND	0.0047	0.0018	mg/kg	
110-82-7	Cyclohexane	ND	0.0019	0.00062	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0019	0.00065	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0019	0.00053	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.00094	0.00040	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.00094	0.00051	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.00094	0.00047	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.00094	0.00047	mg/kg	
75-71-8	Dichlorodifluoromethane [a]	ND	0.0047	0.00068	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.00094	0.00047	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.00094	0.00044	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.00094	0.00062	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.00094	0.00079	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.00094	0.00058	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0019	0.00045	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0019	0.00045	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0019	0.00043	mg/kg	
100-41-4	Ethylbenzene	ND	0.00094	0.00043	mg/kg	
76-13-1	Freon 113	ND	0.0047	0.0025	mg/kg	
591-78-6	2-Hexanone	ND	0.0047	0.0020	mg/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: GRID-30
Lab Sample ID: JE1536-2
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/26/24
Date Received: 11/26/24
Percent Solids: 91.5

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0019	0.0013	mg/kg	
79-20-9	Methyl Acetate	ND	0.0047	0.0013	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0019	0.00082	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.00094	0.00044	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0047	0.0021	mg/kg	
75-09-2	Methylene chloride	ND	0.0047	0.0025	mg/kg	
100-42-5	Styrene	ND	0.0019	0.00038	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0019	0.00056	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0019	0.00055	mg/kg	
108-88-3	Toluene	ND	0.00094	0.00049	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0047	0.0024	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0047	0.0024	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0019	0.00046	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0019	0.00052	mg/kg	
79-01-6	Trichloroethene	ND	0.00094	0.00072	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0047	0.00064	mg/kg	
75-01-4	Vinyl chloride	ND	0.0019	0.00045	mg/kg	
	m,p-Xylene	ND	0.00094	0.00084	mg/kg	
95-47-6	o-Xylene	ND	0.00094	0.00043	mg/kg	
1330-20-7	Xylene (total)	ND	0.00094	0.00043	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		80-124%
17060-07-0	1,2-Dichloroethane-D4	102%		75-133%
2037-26-5	Toluene-D8	90%		79-125%
460-00-4	4-Bromofluorobenzene	89%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	.85	.02	mg/kg	J
	Total TIC, Volatile		0	mg/kg	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: GRID-30
Lab Sample ID: JE1536-2
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/26/24
Date Received: 11/26/24
Percent Solids: 91.5

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4P694140.D	1	12/06/24 11:33	KH	12/06/24 11:00	OP59876	E4P3703
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.073	0.018	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.18	0.022	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.18	0.031	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.18	0.065	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.18	0.14	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.18	0.039	mg/kg	
95-48-7	2-Methylphenol	ND	0.073	0.023	mg/kg	
	3&4-Methylphenol	ND	0.073	0.030	mg/kg	
88-75-5	2-Nitrophenol	ND	0.18	0.024	mg/kg	
100-02-7	4-Nitrophenol	ND	0.36	0.097	mg/kg	
87-86-5	Pentachlorophenol	ND	0.15	0.034	mg/kg	
108-95-2	Phenol	ND	0.073	0.019	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.18	0.024	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.18	0.027	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.18	0.022	mg/kg	
83-32-9	Acenaphthene	ND	0.036	0.013	mg/kg	
208-96-8	Acenaphthylene	0.0502	0.036	0.018	mg/kg	
98-86-2	Acetophenone	ND	0.18	0.0078	mg/kg	
120-12-7	Anthracene	0.0594	0.036	0.022	mg/kg	
1912-24-9	Atrazine	ND	0.073	0.016	mg/kg	
56-55-3	Benzo(a)anthracene	0.196	0.036	0.010	mg/kg	
50-32-8	Benzo(a)pyrene	0.267	0.036	0.017	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.294	0.036	0.016	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.178	0.036	0.018	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.114	0.036	0.017	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.073	0.014	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.073	0.0089	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.073	0.0050	mg/kg	
100-52-7	Benzaldehyde	ND	0.18	0.0090	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.073	0.0087	mg/kg	
106-47-8	4-Chloroaniline	ND	0.18	0.013	mg/kg	
86-74-8	Carbazole	0.0201	0.073	0.0053	mg/kg	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: GRID-30
Lab Sample ID: JE1536-2
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/26/24
Date Received: 11/26/24
Percent Solids: 91.5

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.073	0.014	mg/kg	
218-01-9	Chrysene	0.213	0.036	0.011	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.073	0.0078	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.073	0.016	mg/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	0.073	0.013	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.073	0.012	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.036	0.011	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.036	0.018	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.073	0.030	mg/kg	
123-91-1	1,4-Dioxane	ND	0.036	0.024	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.0432	0.036	0.016	mg/kg	
132-64-9	Dibenzofuran	ND	0.073	0.015	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.073	0.0059	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.073	0.0091	mg/kg	
84-66-2	Diethyl phthalate	ND	0.073	0.0078	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.073	0.0065	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.073	0.0085	mg/kg	
206-44-0	Fluoranthene	0.360	0.036	0.016	mg/kg	
86-73-7	Fluorene	ND	0.036	0.017	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.073	0.0092	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.036	0.015	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.36	0.014	mg/kg	
67-72-1	Hexachloroethane	ND	0.18	0.018	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.140	0.036	0.017	mg/kg	
78-59-1	Isophorone	ND	0.073	0.0078	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.036	0.0082	mg/kg	
88-74-4	2-Nitroaniline	ND	0.18	0.0086	mg/kg	
99-09-2	3-Nitroaniline	ND	0.18	0.0091	mg/kg	
100-01-6	4-Nitroaniline	ND	0.18	0.0094	mg/kg	
91-20-3	Naphthalene	ND	0.036	0.010	mg/kg	
98-95-3	Nitrobenzene	ND	0.073	0.014	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.073	0.011	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.18	0.013	mg/kg	
85-01-8	Phenanthrene	0.144	0.036	0.012	mg/kg	
129-00-0	Pyrene	0.319	0.036	0.012	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.18	0.0092	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	71%		10-99%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GRID-30		
Lab Sample ID:	JE1536-2	**Date Sampled:**	11/26/24
Matrix:	SO - Soil	**Date Received:**	11/26/24
Method:	SW846 8270E SW846 3546	**Percent Solids:**	91.5
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	68%		10-96%
118-79-6	2,4,6-Tribromophenol	71%		10-123%
4165-60-0	Nitrobenzene-d5	71%		10-109%
321-60-8	2-Fluorobiphenyl	74%		11-109%
1718-51-0	Terphenyl-d14	67%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
57-10-3	n-Hexadecanoic acid	8.55	.15	mg/kg	JN
10544-50-0	Cyclic octaatomic sulfur	9.35	.17	mg/kg	JN
	Unknown	10.85	.15	mg/kg	J
	Unknown	11.63	.29	mg/kg	J
	Unknown	11.80	.15	mg/kg	J
	Unknown	12.00	.16	mg/kg	J
	Alkane	12.34	.55	mg/kg	J
	Unknown PAH substance	12.44	.16	mg/kg	J
	Oxirane, hexadecyl	12.86	.37	mg/kg	J
	Alkane	13.07	.2	mg/kg	J
59-02-9	Vitamin E	13.27	.25	mg/kg	JN
	Unknown	13.36	.17	mg/kg	J
	Unknown	13.54	.27	mg/kg	J
	Unknown	13.73	.28	mg/kg	J
	Sitosterol	14.30	.65	mg/kg	J
	Unknown	14.61	.15	mg/kg	J
	Unknown	14.73	.18	mg/kg	J
	Unknown	14.85	.17	mg/kg	J
	Unknown	15.10	.3	mg/kg	J
	Total TIC, Semi-Volatile		4.77	mg/kg	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	GRID-30		
Lab Sample ID:	JE1536-2	**Date Sampled:**	11/26/24
Matrix:	SO - Soil	**Date Received:**	11/26/24
Method:	SW846 8081B SW846 3570	**Percent Solids:**	91.5
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6G103207.D	1	12/09/24 22:14	MLC	12/06/24 08:10	OP59854	G6G3881
Run #2							

	Initial Weight	Final Volume
Run #1	5.0 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.00043	0.000085	mg/kg	
319-84-6	alpha-BHC	ND	0.00043	0.000050	mg/kg	
319-85-7	beta-BHC	ND	0.00043	0.000063	mg/kg	
319-86-8	delta-BHC	ND	0.00043	0.000065	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.00043	0.000076	mg/kg	
5103-71-9	alpha-Chlordane [b]	0.0011	0.00043	0.000059	mg/kg	
5103-74-2	gamma-Chlordane [b]	0.00053	0.00043	0.000065	mg/kg	
57-74-9	Chlordane (alpha and gamma)	0.0016	0.00043	0.000059	mg/kg	
60-57-1	Dieldrin [b]	0.00013	0.00043	0.000070	mg/kg	J
72-54-8	4,4'-DDD [b]	0.0016	0.00043	0.000046	mg/kg	
72-55-9	4,4'-DDE	0.0070	0.00043	0.000052	mg/kg	
50-29-3	4,4'-DDT [b]	0.00045	0.00043	0.000076	mg/kg	
72-20-8	Endrin	ND	0.00043	0.000063	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.00043	0.000052	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00043	0.00013	mg/kg	
959-98-8	Endosulfan-I	ND	0.00043	0.000059	mg/kg	
33213-65-9	Endosulfan-II	ND	0.00043	0.000061	mg/kg	
76-44-8	Heptachlor	ND	0.00043	0.000056	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.00043	0.000078	mg/kg	
72-43-5	Methoxychlor	ND	0.00043	0.00017	mg/kg	
53494-70-5	Endrin ketone	ND	0.00043	0.000070	mg/kg	
8001-35-2	Toxaphene	ND	0.0054	0.0036	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	104%		46-145%
877-09-8	Tetrachloro-m-xylene	93%		46-145%
2051-24-3	Decachlorobiphenyl	89%		29-163%
2051-24-3	Decachlorobiphenyl	61%		29-163%

(a) Had TBA cleanup.
(b) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: GRID-30
Lab Sample ID: JE1536-2
Matrix: SO - Soil
Method: SW846 8082A SW846 3570
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/26/24
Date Received: 11/26/24
Percent Solids: 91.5

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RM30419.D	1	12/10/24 15:46	MLC	12/06/24 08:10	OP59855	GRM722
Run #2							

	Initial Weight	Final Volume
Run #1	5.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.022	0.0092	mg/kg	
11104-28-2	Aroclor 1221	ND	0.022	0.0073	mg/kg	
11141-16-5	Aroclor 1232	ND	0.022	0.018	mg/kg	
53469-21-9	Aroclor 1242	ND	0.022	0.013	mg/kg	
12672-29-6	Aroclor 1248	ND	0.022	0.0047	mg/kg	
11097-69-1	Aroclor 1254	ND	0.022	0.0023	mg/kg	
11096-82-5	Aroclor 1260	ND	0.022	0.0075	mg/kg	
11100-14-4	Aroclor 1268	ND	0.022	0.0022	mg/kg	
37324-23-5	Aroclor 1262	ND	0.022	0.0018	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	109%		35-154%
877-09-8	Tetrachloro-m-xylene	116%		35-154%
2051-24-3	Decachlorobiphenyl	93%		24-176%
2051-24-3	Decachlorobiphenyl	98%		24-176%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: GRID-30
Lab Sample ID: JE1536-2
Matrix: SO - Soil
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/26/24
Date Received: 11/26/24
Percent Solids: 91.5

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	5850	54	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 2.2	2.2	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Arsenic	2.5	2.2	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Barium	37.9	22	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Beryllium	0.32	0.22	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 0.54	0.54	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Calcium	1590	540	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Chromium	8.3	1.1	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Cobalt	< 5.4	5.4	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Copper	9.4	2.7	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Iron	12800	54	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Lead	10.3	2.2	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Magnesium	1900	540	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Manganese	345	1.6	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Mercury	0.041	0.032	mg/kg	1	12/02/24	12/03/24	MK	SW846 7471B [1]	SW846 7471B [4]
Nickel	11.1	4.3	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Potassium	< 1100	1100	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 2.2	2.2	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Silver	< 0.54	0.54	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 1100	1100	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 1.1	1.1	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Vanadium	13.9	5.4	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Zinc	27.8	5.4	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA57414
(2) Instrument QC Batch: MA57432
(3) Prep QC Batch: MP51271
(4) Prep QC Batch: MP51284

RL = Reporting Limit

Report of Analysis

Client Sample ID:	GRID-30		
Lab Sample ID:	JE1536-2	**Date Sampled:**	11/26/24
Matrix:	SO - Soil	**Date Received:**	11/26/24
		Percent Solids:	91.5
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.25	0.25	mg/kg	1	12/02/24 20:39	SS	SW846 9012B/LACHAT
Solids, Percent	91.5		%	1	12/04/24 14:42	DP	SM2540 G 18TH ED MOD

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID: GRID-31
Lab Sample ID: JE1536-3
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/26/24
Date Received: 11/26/24
Percent Solids: 81.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C191307.D	1	12/02/24 19:09	PS	11/27/24 17:00	n/a	V3C8319
Run #2							

	Initial Weight
Run #1	5.7 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	0.011	0.0044	mg/kg	
71-43-2	Benzene	ND	0.00054	0.00049	mg/kg	
74-97-5	Bromochloromethane	ND	0.0054	0.00060	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0021	0.00046	mg/kg	
75-25-2	Bromoform	ND	0.0054	0.0015	mg/kg	
74-83-9	Bromomethane	ND	0.0054	0.00082	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.011	0.0026	mg/kg	
75-15-0	Carbon disulfide	ND	0.0021	0.00057	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0021	0.00066	mg/kg	
108-90-7	Chlorobenzene	ND	0.0021	0.00049	mg/kg	
75-00-3	Chloroethane	ND	0.0054	0.00063	mg/kg	
67-66-3	Chloroform	ND	0.0021	0.0011	mg/kg	
74-87-3	Chloromethane	ND	0.0054	0.0021	mg/kg	
110-82-7	Cyclohexane	ND	0.0021	0.00071	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0021	0.00075	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0021	0.00060	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0011	0.00045	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0011	0.00059	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0011	0.00053	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0011	0.00053	mg/kg	
75-71-8	Dichlorodifluoromethane [a]	ND	0.0054	0.00078	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0011	0.00053	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0011	0.00050	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0011	0.00070	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0011	0.00090	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0011	0.00066	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0021	0.00051	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0021	0.00051	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0021	0.00049	mg/kg	
100-41-4	Ethylbenzene	ND	0.0011	0.00049	mg/kg	
76-13-1	Freon 113	ND	0.0054	0.0029	mg/kg	
591-78-6	2-Hexanone	ND	0.0054	0.0023	mg/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GRID-31		
Lab Sample ID:	JE1536-3	**Date Sampled:**	11/26/24
Matrix:	SO - Soil	**Date Received:**	11/26/24
Method:	SW846 8260D SW846 5035	**Percent Solids:**	81.7
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0021	0.0015	mg/kg	
79-20-9	Methyl Acetate	ND	0.0054	0.0015	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0021	0.00094	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0011	0.00050	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0054	0.0024	mg/kg	
75-09-2	Methylene chloride	ND	0.0054	0.0028	mg/kg	
100-42-5	Styrene	ND	0.0021	0.00043	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0021	0.00064	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0021	0.00062	mg/kg	
108-88-3	Toluene	ND	0.0011	0.00056	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0054	0.0027	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0054	0.0027	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0021	0.00052	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0021	0.00059	mg/kg	
79-01-6	Trichloroethene	ND	0.0011	0.00082	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0054	0.00073	mg/kg	
75-01-4	Vinyl chloride	ND	0.0021	0.00052	mg/kg	
	m,p-Xylene	ND	0.0011	0.00096	mg/kg	
95-47-6	o-Xylene	ND	0.0011	0.00049	mg/kg	
1330-20-7	Xylene (total)	ND	0.0011	0.00049	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		80-124%
17060-07-0	1,2-Dichloroethane-D4	101%		75-133%
2037-26-5	Toluene-D8	89%		79-125%
460-00-4	4-Bromofluorobenzene	87%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	.84	.023	mg/kg	J
	Total TIC, Volatile		0	mg/kg	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: GRID-31
Lab Sample ID: JE1536-3
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/26/24
Date Received: 11/26/24
Percent Solids: 81.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4P694141.D	1	12/06/24 11:56	KH	12/06/24 11:00	OP59876	E4P3703
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.082	0.020	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.20	0.025	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.20	0.035	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.20	0.073	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.20	0.15	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.20	0.044	mg/kg	
95-48-7	2-Methylphenol	ND	0.082	0.026	mg/kg	
	3&4-Methylphenol	ND	0.082	0.034	mg/kg	
88-75-5	2-Nitrophenol	ND	0.20	0.027	mg/kg	
100-02-7	4-Nitrophenol	ND	0.41	0.11	mg/kg	
87-86-5	Pentachlorophenol	ND	0.16	0.038	mg/kg	
108-95-2	Phenol	ND	0.082	0.021	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.20	0.027	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.20	0.031	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.20	0.024	mg/kg	
83-32-9	Acenaphthene	0.0730	0.041	0.014	mg/kg	
208-96-8	Acenaphthylene	0.0933	0.041	0.021	mg/kg	
98-86-2	Acetophenone	ND	0.20	0.0088	mg/kg	
120-12-7	Anthracene	0.231	0.041	0.025	mg/kg	
1912-24-9	Atrazine	ND	0.082	0.017	mg/kg	
56-55-3	Benzo(a)anthracene	0.809	0.041	0.012	mg/kg	
50-32-8	Benzo(a)pyrene	0.902	0.041	0.019	mg/kg	
205-99-2	Benzo(b)fluoranthene	1.02	0.041	0.018	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.486	0.041	0.020	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.337	0.041	0.019	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.082	0.016	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.082	0.010	mg/kg	
92-52-4	1,1'-Biphenyl	0.0078	0.082	0.0056	mg/kg	J
100-52-7	Benzaldehyde	ND	0.20	0.010	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.082	0.0097	mg/kg	
106-47-8	4-Chloroaniline	ND	0.20	0.015	mg/kg	
86-74-8	Carbazole	0.0527	0.082	0.0059	mg/kg	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: GRID-31
Lab Sample ID: JE1536-3
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/26/24
Date Received: 11/26/24
Percent Solids: 81.7

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.082	0.016	mg/kg	
218-01-9	Chrysene	0.724	0.041	0.013	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.082	0.0087	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.082	0.018	mg/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	0.082	0.015	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.082	0.013	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.041	0.013	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.041	0.020	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.082	0.034	mg/kg	
123-91-1	1,4-Dioxane	ND	0.041	0.027	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.124	0.041	0.018	mg/kg	
132-64-9	Dibenzofuran	0.0358	0.082	0.017	mg/kg	J
84-74-2	Di-n-butyl phthalate	0.0108	0.082	0.0067	mg/kg	J
117-84-0	Di-n-octyl phthalate	ND	0.082	0.010	mg/kg	
84-66-2	Diethyl phthalate	ND	0.082	0.0087	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.082	0.0073	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	0.0311	0.082	0.0095	mg/kg	J
206-44-0	Fluoranthene	1.72	0.041	0.018	mg/kg	
86-73-7	Fluorene	0.0885	0.041	0.019	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.082	0.010	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.041	0.016	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.41	0.016	mg/kg	
67-72-1	Hexachloroethane	ND	0.20	0.020	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.407	0.041	0.019	mg/kg	
78-59-1	Isophorone	ND	0.082	0.0087	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.041	0.0092	mg/kg	
88-74-4	2-Nitroaniline	ND	0.20	0.0096	mg/kg	
99-09-2	3-Nitroaniline	ND	0.20	0.010	mg/kg	
100-01-6	4-Nitroaniline	ND	0.20	0.011	mg/kg	
91-20-3	Naphthalene	0.0221	0.041	0.012	mg/kg	J
98-95-3	Nitrobenzene	ND	0.082	0.016	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.082	0.012	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.20	0.015	mg/kg	
85-01-8	Phenanthrene	0.675	0.041	0.014	mg/kg	
129-00-0	Pyrene	1.29	0.041	0.013	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.20	0.010	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	50%		10-99%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GRID-31		
Lab Sample ID:	JE1536-3	**Date Sampled:**	11/26/24
Matrix:	SO - Soil	**Date Received:**	11/26/24
Method:	SW846 8270E SW846 3546	**Percent Solids:**	81.7
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	46%		10-96%
118-79-6	2,4,6-Tribromophenol	50%		10-123%
4165-60-0	Nitrobenzene-d5	48%		10-109%
321-60-8	2-Fluorobiphenyl	51%		11-109%
1718-51-0	Terphenyl-d14	45%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Unknown	9.45	.21	mg/kg	J
	Pyrene, methyl	9.93	.21	mg/kg	J
	Unknown PAH substance	12.26	.26	mg/kg	J
	Unknown	12.35	.24	mg/kg	J
	Unknown PAH substance	12.44	.55	mg/kg	J
	Unknown	12.86	.35	mg/kg	J
	Unknown	13.06	.21	mg/kg	J
	Unknown PAH Substance	13.67	.2	mg/kg	J
	Unknown PAH Substance	13.96	.2	mg/kg	J
	Total TIC, Semi-Volatile		2.43	mg/kg	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	GRID-31		
Lab Sample ID:	JE1536-3	**Date Sampled:**	11/26/24
Matrix:	SO - Soil	**Date Received:**	11/26/24
Method:	SW846 8081B SW846 3570	**Percent Solids:**	81.7
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G103278.D	1	12/11/24 10:52	RK	12/06/24 08:10	OP59854	G6G3884
Run #2							

	Initial Weight	Final Volume
Run #1	5.0 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.00049	0.000095	mg/kg	
319-84-6	alpha-BHC	0.00016	0.00049	0.000056	mg/kg	J
319-85-7	beta-BHC	ND	0.00049	0.000071	mg/kg	
319-86-8	delta-BHC	ND	0.00049	0.000073	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.00049	0.000086	mg/kg	
5103-71-9	alpha-Chlordane [a]	0.0140	0.00049	0.000066	mg/kg	
5103-74-2	gamma-Chlordane	0.0083	0.00049	0.000073	mg/kg	
57-74-9	Chlordane (alpha and gamma)	0.0223	0.00049	0.000066	mg/kg	
60-57-1	Dieldrin	0.0014	0.00049	0.000078	mg/kg	
72-54-8	4,4'-DDD	0.00067	0.00049	0.000051	mg/kg	
72-55-9	4,4'-DDE	0.0038	0.00049	0.000059	mg/kg	
50-29-3	4,4'-DDT	0.0144	0.00049	0.000086	mg/kg	
72-20-8	Endrin	ND	0.00049	0.000071	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.00049	0.000059	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00049	0.00014	mg/kg	
959-98-8	Endosulfan-I	ND	0.00049	0.000066	mg/kg	
33213-65-9	Endosulfan-II [a]	0.00016	0.00049	0.000069	mg/kg	J
76-44-8	Heptachlor	0.00037	0.00049	0.000064	mg/kg	J
1024-57-3	Heptachlor epoxide [a]	0.0021	0.00049	0.000088	mg/kg	
72-43-5	Methoxychlor	ND	0.00049	0.00019	mg/kg	
53494-70-5	Endrin ketone	ND	0.00049	0.000078	mg/kg	
8001-35-2	Toxaphene	ND	0.0061	0.0040	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	71%		46-145%
877-09-8	Tetrachloro-m-xylene	100%		46-145%
2051-24-3	Decachlorobiphenyl	63%		29-163%
2051-24-3	Decachlorobiphenyl	100%		29-163%

(a) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	GRID-31		
Lab Sample ID:	JE1536-3	**Date Sampled:**	11/26/24
Matrix:	SO - Soil	**Date Received:**	11/26/24
Method:	SW846 8082A SW846 3570	**Percent Solids:**	81.7
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RM30420.D	1	12/10/24 16:15	MLC	12/06/24 08:10	OP59855	GRM722
Run #2							

	Initial Weight	Final Volume
Run #1	5.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.024	0.010	mg/kg	
11104-28-2	Aroclor 1221	ND	0.024	0.0082	mg/kg	
11141-16-5	Aroclor 1232	ND	0.024	0.020	mg/kg	
53469-21-9	Aroclor 1242	ND	0.024	0.015	mg/kg	
12672-29-6	Aroclor 1248	ND	0.024	0.0053	mg/kg	
11097-69-1	Aroclor 1254	ND	0.024	0.0026	mg/kg	
11096-82-5	Aroclor 1260	0.0160	0.024	0.0084	mg/kg	J
11100-14-4	Aroclor 1268	ND	0.024	0.0025	mg/kg	
37324-23-5	Aroclor 1262	ND	0.024	0.0020	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	105%		35-154%
877-09-8	Tetrachloro-m-xylene	119%		35-154%
2051-24-3	Decachlorobiphenyl	96%		24-176%
2051-24-3	Decachlorobiphenyl	103%		24-176%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: GRID-31
Lab Sample ID: JE1536-3
Matrix: SO - Soil
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/26/24
Date Received: 11/26/24
Percent Solids: 81.7

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	6230	40	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 1.6	1.6	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Arsenic	3.2	1.6	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Barium	36.3	16	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Beryllium	0.45	0.16	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 0.40	0.40	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Calcium	1480	400	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Chromium	10.8	0.79	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Cobalt	5.1	4.0	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Copper	12.1	2.0	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Iron	12400	40	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Lead	41.2	1.6	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Magnesium	2390	400	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Manganese	241	1.2	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Mercury	0.050	0.038	mg/kg	1	12/02/24	12/03/24	MK	SW846 7471B [1]	SW846 7471B [4]
Nickel	10.6	3.2	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Potassium	< 790	790	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 1.6	1.6	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Silver	< 0.40	0.40	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 790	790	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 0.79	0.79	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Vanadium	15.4	4.0	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Zinc	42.2	4.0	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA57414
(2) Instrument QC Batch: MA57432
(3) Prep QC Batch: MP51271
(4) Prep QC Batch: MP51284

RL = Reporting Limit

Report of Analysis

Client Sample ID:	GRID-31		
Lab Sample ID:	JE1536-3	**Date Sampled:**	11/26/24
Matrix:	SO - Soil	**Date Received:**	11/26/24
		Percent Solids:	81.7
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.26	0.26	mg/kg	1	12/02/24 20:39	SS	SW846 9012B/LACHAT
Solids, Percent	81.7		%	1	12/04/24 14:42	DP	SM2540 G 18TH ED MOD

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID: GRID-32
Lab Sample ID: JE1536-4
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/26/24
Date Received: 11/26/24
Percent Solids: 89.9

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C191308.D	1	12/02/24 19:35	PS	11/27/24 17:00	n/a	V3C8319
Run #2							

	Initial Weight
Run #1	5.1 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	0.011	0.0045	mg/kg	
71-43-2	Benzene	ND	0.00055	0.00050	mg/kg	
74-97-5	Bromochloromethane	ND	0.0055	0.00061	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0022	0.00047	mg/kg	
75-25-2	Bromoform	ND	0.0055	0.0015	mg/kg	
74-83-9	Bromomethane	ND	0.0055	0.00083	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.011	0.0027	mg/kg	
75-15-0	Carbon disulfide	ND	0.0022	0.00058	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0022	0.00067	mg/kg	
108-90-7	Chlorobenzene	ND	0.0022	0.00050	mg/kg	
75-00-3	Chloroethane	ND	0.0055	0.00064	mg/kg	
67-66-3	Chloroform	ND	0.0022	0.0011	mg/kg	
74-87-3	Chloromethane	ND	0.0055	0.0021	mg/kg	
110-82-7	Cyclohexane	ND	0.0022	0.00072	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0022	0.00076	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0022	0.00061	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0011	0.00046	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0011	0.00060	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0011	0.00054	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0011	0.00054	mg/kg	
75-71-8	Dichlorodifluoromethane [a]	ND	0.0055	0.00079	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0011	0.00054	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0011	0.00051	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0011	0.00071	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0011	0.00092	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0011	0.00067	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0022	0.00052	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0022	0.00052	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0022	0.00050	mg/kg	
100-41-4	Ethylbenzene	ND	0.0011	0.00049	mg/kg	
76-13-1	Freon 113	ND	0.0055	0.0029	mg/kg	
591-78-6	2-Hexanone	ND	0.0055	0.0023	mg/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GRID-32		
Lab Sample ID:	JE1536-4	**Date Sampled:**	11/26/24
Matrix:	SO - Soil	**Date Received:**	11/26/24
Method:	SW846 8260D SW846 5035	**Percent Solids:**	89.9
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0022	0.0015	mg/kg	
79-20-9	Methyl Acetate	ND	0.0055	0.0015	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0022	0.00095	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0011	0.00051	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0055	0.0025	mg/kg	
75-09-2	Methylene chloride	ND	0.0055	0.0028	mg/kg	
100-42-5	Styrene	ND	0.0022	0.00044	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0022	0.00065	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0022	0.00063	mg/kg	
108-88-3	Toluene	ND	0.0011	0.00057	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0055	0.0027	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0055	0.0027	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0022	0.00053	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0022	0.00060	mg/kg	
79-01-6	Trichloroethene	ND	0.0011	0.00083	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0055	0.00075	mg/kg	
75-01-4	Vinyl chloride	ND	0.0022	0.00052	mg/kg	
	m,p-Xylene	ND	0.0011	0.00098	mg/kg	
95-47-6	o-Xylene	ND	0.0011	0.00050	mg/kg	
1330-20-7	Xylene (total)	ND	0.0011	0.00050	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-124%
17060-07-0	1,2-Dichloroethane-D4	104%		75-133%
2037-26-5	Toluene-D8	89%		79-125%
460-00-4	4-Bromofluorobenzene	88%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	.85	.028	mg/kg	J
	Total TIC, Volatile		0	mg/kg	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: GRID-32
Lab Sample ID: JE1536-4
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/26/24
Date Received: 11/26/24
Percent Solids: 89.9

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4P694142.D	1	12/06/24 12:19	KH	12/06/24 11:00	OP59876	E4P3703
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.072	0.018	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.18	0.022	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.18	0.031	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.18	0.064	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.18	0.14	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.18	0.039	mg/kg	
95-48-7	2-Methylphenol	ND	0.072	0.023	mg/kg	
	3&4-Methylphenol	ND	0.072	0.030	mg/kg	
88-75-5	2-Nitrophenol	ND	0.18	0.024	mg/kg	
100-02-7	4-Nitrophenol	ND	0.36	0.097	mg/kg	
87-86-5	Pentachlorophenol	ND	0.14	0.034	mg/kg	
108-95-2	Phenol	ND	0.072	0.019	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.18	0.024	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.18	0.027	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.18	0.022	mg/kg	
83-32-9	Acenaphthene	0.0135	0.036	0.013	mg/kg	J
208-96-8	Acenaphthylene	0.0305	0.036	0.018	mg/kg	J
98-86-2	Acetophenone	ND	0.18	0.0078	mg/kg	
120-12-7	Anthracene	0.0724	0.036	0.022	mg/kg	
1912-24-9	Atrazine	ND	0.072	0.016	mg/kg	
56-55-3	Benzo(a)anthracene	0.201	0.036	0.010	mg/kg	
50-32-8	Benzo(a)pyrene	0.263	0.036	0.016	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.283	0.036	0.016	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.179	0.036	0.018	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.0843	0.036	0.017	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.072	0.014	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.072	0.0088	mg/kg	
92-52-4	1,1'-Biphenyl	0.0059	0.072	0.0050	mg/kg	J
100-52-7	Benzaldehyde	ND	0.18	0.0090	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.072	0.0086	mg/kg	
106-47-8	4-Chloroaniline	ND	0.18	0.013	mg/kg	
86-74-8	Carbazole	0.0188	0.072	0.0053	mg/kg	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: GRID-32
Lab Sample ID: JE1536-4
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/26/24
Date Received: 11/26/24
Percent Solids: 89.9

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.072	0.014	mg/kg	
218-01-9	Chrysene	0.197	0.036	0.011	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.072	0.0078	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.072	0.016	mg/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	0.072	0.013	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.072	0.012	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.036	0.011	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.036	0.018	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.072	0.030	mg/kg	
123-91-1	1,4-Dioxane	ND	0.036	0.024	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.0448	0.036	0.016	mg/kg	
132-64-9	Dibenzofuran	ND	0.072	0.015	mg/kg	
84-74-2	Di-n-butyl phthalate	0.0066	0.072	0.0059	mg/kg	J
117-84-0	Di-n-octyl phthalate	ND	0.072	0.0090	mg/kg	
84-66-2	Diethyl phthalate	ND	0.072	0.0077	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.072	0.0064	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	0.0305	0.072	0.0085	mg/kg	J
206-44-0	Fluoranthene	0.391	0.036	0.016	mg/kg	
86-73-7	Fluorene	0.0265	0.036	0.017	mg/kg	J
118-74-1	Hexachlorobenzene	ND	0.072	0.0092	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.036	0.015	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.36	0.014	mg/kg	
67-72-1	Hexachloroethane	ND	0.18	0.018	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.136	0.036	0.017	mg/kg	
78-59-1	Isophorone	ND	0.072	0.0078	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.036	0.0082	mg/kg	
88-74-4	2-Nitroaniline	ND	0.18	0.0086	mg/kg	
99-09-2	3-Nitroaniline	ND	0.18	0.0091	mg/kg	
100-01-6	4-Nitroaniline	ND	0.18	0.0094	mg/kg	
91-20-3	Naphthalene	0.0112	0.036	0.010	mg/kg	J
98-95-3	Nitrobenzene	ND	0.072	0.014	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.072	0.010	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.18	0.013	mg/kg	
85-01-8	Phenanthrene	0.198	0.036	0.012	mg/kg	
129-00-0	Pyrene	0.306	0.036	0.012	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.18	0.0092	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	80%		10-99%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GRID-32		
Lab Sample ID:	JE1536-4	**Date Sampled:**	11/26/24
Matrix:	SO - Soil	**Date Received:**	11/26/24
Method:	SW846 8270E SW846 3546	**Percent Solids:**	89.9
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	72%		10-96%
118-79-6	2,4,6-Tribromophenol	79%		10-123%
4165-60-0	Nitrobenzene-d5	75%		10-109%
321-60-8	2-Fluorobiphenyl	78%		11-109%
1718-51-0	Terphenyl-d14	70%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Unknown	9.34	.26	mg/kg	J
57-11-4	Octadecanoic acid	9.46	.16	mg/kg	JN
	Unknown acid	11.63	.17	mg/kg	J
	Unknown	12.00	.2	mg/kg	J
	Unknown	12.35	.49	mg/kg	J
	Unknown PAH substance	12.44	.25	mg/kg	J
	Unknown	12.86	.2	mg/kg	J
	Alkane	13.07	.25	mg/kg	J
59-02-9	Vitamin E	13.28	.18	mg/kg	JN
	Unknown	13.73	.15	mg/kg	J
	Alkane	13.97	.21	mg/kg	J
	Sitosterol	14.31	.39	mg/kg	J
	Unknown	15.10	.17	mg/kg	J
	Total TIC, Semi-Volatile		3.08	mg/kg	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	GRID-32		
Lab Sample ID:	JE1536-4	**Date Sampled:**	11/26/24
Matrix:	SO - Soil	**Date Received:**	11/26/24
Method:	SW846 8081B SW846 3570	**Percent Solids:**	89.9
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G103280.D	1	12/11/24 11:34	RK	12/06/24 08:10	OP59854	G6G3884
Run #2							

	Initial Weight	Final Volume
Run #1	5.5 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.00040	0.000079	mg/kg	
319-84-6	alpha-BHC	ND	0.00040	0.000047	mg/kg	
319-85-7	beta-BHC	ND	0.00040	0.000059	mg/kg	
319-86-8	delta-BHC	ND	0.00040	0.000061	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.00040	0.000071	mg/kg	
5103-71-9	alpha-Chlordane [a]	0.0032	0.00040	0.000055	mg/kg	
5103-74-2	gamma-Chlordane	0.0019	0.00040	0.000061	mg/kg	
57-74-9	Chlordane (alpha and gamma)	0.0051	0.00040	0.000055	mg/kg	
60-57-1	Dieldrin	0.00059	0.00040	0.000065	mg/kg	
72-54-8	4,4'-DDD	0.0033	0.00040	0.000042	mg/kg	
72-55-9	4,4'-DDE	0.0181	0.00040	0.000049	mg/kg	
50-29-3	4,4'-DDT	0.0018	0.00040	0.000071	mg/kg	
72-20-8	Endrin	ND	0.00040	0.000059	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.00040	0.000049	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00040	0.00012	mg/kg	
959-98-8	Endosulfan-I	ND	0.00040	0.000055	mg/kg	
33213-65-9	Endosulfan-II	ND	0.00040	0.000057	mg/kg	
76-44-8	Heptachlor	ND	0.00040	0.000053	mg/kg	
1024-57-3	Heptachlor epoxide [a]	0.00046	0.00040	0.000073	mg/kg	
72-43-5	Methoxychlor	ND	0.00040	0.00016	mg/kg	
53494-70-5	Endrin ketone	ND	0.00040	0.000065	mg/kg	
8001-35-2	Toxaphene	ND	0.0051	0.0033	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	92%		46-145%
877-09-8	Tetrachloro-m-xylene	98%		46-145%
2051-24-3	Decachlorobiphenyl	60%		29-163%
2051-24-3	Decachlorobiphenyl	43%		29-163%

(a) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	GRID-32		
Lab Sample ID:	JE1536-4	**Date Sampled:**	11/26/24
Matrix:	SO - Soil	**Date Received:**	11/26/24
Method:	SW846 8082A SW846 3570	**Percent Solids:**	89.9
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RM30421.D	1	12/10/24 16:45	MLC	12/06/24 08:10	OP59855	GRM722
Run #2							

	Initial Weight	Final Volume
Run #1	5.5 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.020	0.0086	mg/kg	
11104-28-2	Aroclor 1221	ND	0.020	0.0068	mg/kg	
11141-16-5	Aroclor 1232	ND	0.020	0.017	mg/kg	
53469-21-9	Aroclor 1242	ND	0.020	0.012	mg/kg	
12672-29-6	Aroclor 1248	ND	0.020	0.0044	mg/kg	
11097-69-1	Aroclor 1254	ND	0.020	0.0022	mg/kg	
11096-82-5	Aroclor 1260	ND	0.020	0.0070	mg/kg	
11100-14-4	Aroclor 1268	ND	0.020	0.0020	mg/kg	
37324-23-5	Aroclor 1262	ND	0.020	0.0017	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	110%		35-154%
877-09-8	Tetrachloro-m-xylene	116%		35-154%
2051-24-3	Decachlorobiphenyl	95%		24-176%
2051-24-3	Decachlorobiphenyl	97%		24-176%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: GRID-32
Lab Sample ID: JE1536-4
Matrix: SO - Soil
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/26/24
Date Received: 11/26/24
Percent Solids: 89.9

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	6360	59	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 2.3	2.3	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Arsenic	3.8	2.3	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Barium	36.7	23	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Beryllium	0.29	0.23	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 0.59	0.59	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Calcium	1370	590	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Chromium	8.5	1.2	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Cobalt	< 5.9	5.9	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Copper	9.3	2.9	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Iron	10500	59	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Lead	27.7	2.3	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Magnesium	1390	590	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Manganese	205	1.8	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Mercury	0.23	0.031	mg/kg	1	12/02/24	12/03/24	MK	SW846 7471B [1]	SW846 7471B [4]
Nickel	7.1	4.7	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Potassium	< 1200	1200	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 2.3	2.3	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Silver	< 0.59	0.59	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 1200	1200	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 1.2	1.2	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Vanadium	13.0	5.9	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Zinc	31.3	5.9	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA57414
(2) Instrument QC Batch: MA57432
(3) Prep QC Batch: MP51271
(4) Prep QC Batch: MP51284

RL = Reporting Limit

Report of Analysis

Client Sample ID:	GRID-32		
Lab Sample ID:	JE1536-4	**Date Sampled:**	11/26/24
Matrix:	SO - Soil	**Date Received:**	11/26/24
		Percent Solids:	89.9
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.23	0.23	mg/kg	1	12/02/24 20:40	SS	SW846 9012B/LACHAT
Solids, Percent	89.9		%	1	12/04/24 14:42	DP	SM2540 G 18TH ED MOD

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID: GRID-33
Lab Sample ID: JE1536-5
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/26/24
Date Received: 11/26/24
Percent Solids: 93.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C191309.D	1	12/02/24 20:01	PS	11/27/24 17:00	n/a	V3C8319
Run #2							

	Initial Weight
Run #1	4.6 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	0.012	0.0048	mg/kg	
71-43-2	Benzene	ND	0.00058	0.00053	mg/kg	
74-97-5	Bromochloromethane	ND	0.0058	0.00065	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0023	0.00050	mg/kg	
75-25-2	Bromoform	ND	0.0058	0.0016	mg/kg	
74-83-9	Bromomethane	ND	0.0058	0.00089	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.012	0.0028	mg/kg	
75-15-0	Carbon disulfide	ND	0.0023	0.00062	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0023	0.00072	mg/kg	
108-90-7	Chlorobenzene	ND	0.0023	0.00053	mg/kg	
75-00-3	Chloroethane	ND	0.0058	0.00069	mg/kg	
67-66-3	Chloroform	ND	0.0023	0.0012	mg/kg	
74-87-3	Chloromethane	ND	0.0058	0.0023	mg/kg	
110-82-7	Cyclohexane	ND	0.0023	0.00076	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0023	0.00081	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0023	0.00065	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0012	0.00049	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0012	0.00063	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0012	0.00058	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0012	0.00057	mg/kg	
75-71-8	Dichlorodifluoromethane [a]	ND	0.0058	0.00084	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0012	0.00057	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0012	0.00055	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0012	0.00076	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0012	0.00097	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0012	0.00071	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0023	0.00055	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0023	0.00055	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0023	0.00053	mg/kg	
100-41-4	Ethylbenzene	ND	0.0012	0.00053	mg/kg	
76-13-1	Freon 113	ND	0.0058	0.0031	mg/kg	
591-78-6	2-Hexanone	ND	0.0058	0.0025	mg/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GRID-33		
Lab Sample ID:	JE1536-5	**Date Sampled:**	11/26/24
Matrix:	SO - Soil	**Date Received:**	11/26/24
Method:	SW846 8260D SW846 5035	**Percent Solids:**	93.7
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0023	0.0016	mg/kg	
79-20-9	Methyl Acetate	ND	0.0058	0.0016	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0023	0.0010	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0012	0.00054	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0058	0.0026	mg/kg	
75-09-2	Methylene chloride	0.0030	0.0058	0.0030	mg/kg	J
100-42-5	Styrene	ND	0.0023	0.00047	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0023	0.00069	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0023	0.00067	mg/kg	
108-88-3	Toluene	ND	0.0012	0.00061	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0058	0.0029	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0058	0.0029	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0023	0.00056	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0023	0.00064	mg/kg	
79-01-6	Trichloroethene	ND	0.0012	0.00088	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0058	0.00079	mg/kg	
75-01-4	Vinyl chloride	ND	0.0023	0.00056	mg/kg	
	m,p-Xylene	ND	0.0012	0.0010	mg/kg	
95-47-6	o-Xylene	ND	0.0012	0.00053	mg/kg	
1330-20-7	Xylene (total)	ND	0.0012	0.00053	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		80-124%
17060-07-0	1,2-Dichloroethane-D4	103%		75-133%
2037-26-5	Toluene-D8	89%		79-125%
460-00-4	4-Bromofluorobenzene	88%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	.83	.025	mg/kg	J
	Total TIC, Volatile		0	mg/kg	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: GRID-33
Lab Sample ID: JE1536-5
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/26/24
Date Received: 11/26/24
Percent Solids: 93.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4P694143.D	1	12/06/24 12:42	KH	12/06/24 11:00	OP59876	E4P3703
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.071	0.018	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.18	0.022	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.18	0.030	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.18	0.063	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.18	0.13	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.18	0.038	mg/kg	
95-48-7	2-Methylphenol	ND	0.071	0.023	mg/kg	
	3&4-Methylphenol	ND	0.071	0.029	mg/kg	
88-75-5	2-Nitrophenol	ND	0.18	0.024	mg/kg	
100-02-7	4-Nitrophenol	ND	0.36	0.095	mg/kg	
87-86-5	Pentachlorophenol	ND	0.14	0.033	mg/kg	
108-95-2	Phenol	ND	0.071	0.019	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.18	0.024	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.18	0.027	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.18	0.021	mg/kg	
83-32-9	Acenaphthene	0.0394	0.036	0.012	mg/kg	
208-96-8	Acenaphthylene	0.0294	0.036	0.018	mg/kg	J
98-86-2	Acetophenone	0.0081	0.18	0.0076	mg/kg	J
120-12-7	Anthracene	0.0961	0.036	0.022	mg/kg	
1912-24-9	Atrazine	ND	0.071	0.015	mg/kg	
56-55-3	Benzo(a)anthracene	0.268	0.036	0.010	mg/kg	
50-32-8	Benzo(a)pyrene	0.264	0.036	0.016	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.334	0.036	0.016	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.161	0.036	0.018	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.101	0.036	0.017	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.071	0.014	mg/kg	
85-68-7	Butyl benzyl phthalate	0.0111	0.071	0.0087	mg/kg	J
92-52-4	1,1'-Biphenyl	ND	0.071	0.0049	mg/kg	
100-52-7	Benzaldehyde	0.0089	0.18	0.0088	mg/kg	J
91-58-7	2-Chloronaphthalene	ND	0.071	0.0085	mg/kg	
106-47-8	4-Chloroaniline	ND	0.18	0.013	mg/kg	
86-74-8	Carbazole	0.0591	0.071	0.0052	mg/kg	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: GRID-33
Lab Sample ID: JE1536-5
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/26/24
Date Received: 11/26/24
Percent Solids: 93.7

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.071	0.014	mg/kg	
218-01-9	Chrysene	0.258	0.036	0.011	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.071	0.0076	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.071	0.015	mg/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	0.071	0.013	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.071	0.012	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.036	0.011	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.036	0.018	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.071	0.030	mg/kg	
123-91-1	1,4-Dioxane	ND	0.036	0.024	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.0421	0.036	0.016	mg/kg	
132-64-9	Dibenzofuran	0.0175	0.071	0.014	mg/kg	J
84-74-2	Di-n-butyl phthalate	ND	0.071	0.0058	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.071	0.0089	mg/kg	
84-66-2	Diethyl phthalate	ND	0.071	0.0076	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.071	0.0063	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	0.0139	0.071	0.0083	mg/kg	J
206-44-0	Fluoranthene	0.553	0.036	0.016	mg/kg	
86-73-7	Fluorene	0.0359	0.036	0.016	mg/kg	J
118-74-1	Hexachlorobenzene	ND	0.071	0.0090	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.036	0.014	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.36	0.014	mg/kg	
67-72-1	Hexachloroethane	ND	0.18	0.018	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.134	0.036	0.017	mg/kg	
78-59-1	Isophorone	ND	0.071	0.0076	mg/kg	
91-57-6	2-Methylnaphthalene	0.0125	0.036	0.0080	mg/kg	J
88-74-4	2-Nitroaniline	ND	0.18	0.0084	mg/kg	
99-09-2	3-Nitroaniline	ND	0.18	0.0089	mg/kg	
100-01-6	4-Nitroaniline	ND	0.18	0.0092	mg/kg	
91-20-3	Naphthalene	0.0303	0.036	0.010	mg/kg	J
98-95-3	Nitrobenzene	ND	0.071	0.014	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.071	0.010	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.18	0.013	mg/kg	
85-01-8	Phenanthrene	0.264	0.036	0.012	mg/kg	
129-00-0	Pyrene	0.372	0.036	0.011	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.18	0.0090	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	44%		10-99%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GRID-33		
Lab Sample ID:	JE1536-5	**Date Sampled:**	11/26/24
Matrix:	SO - Soil	**Date Received:**	11/26/24
Method:	SW846 8270E SW846 3546	**Percent Solids:**	93.7
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	46%		10-96%
118-79-6	2,4,6-Tribromophenol	47%		10-123%
4165-60-0	Nitrobenzene-d5	48%		10-109%
321-60-8	2-Fluorobiphenyl	46%		11-109%
1718-51-0	Terphenyl-d14	41%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
57-10-3	n-Hexadecanoic acid	8.55	.15	mg/kg	JN
	Unknown	10.85	.22	mg/kg	J
	Alkene	11.63	.28	mg/kg	J
	Alkane	12.34	.67	mg/kg	J
	Unknown PAH substance	12.44	.16	mg/kg	J
	Oxirane, hexadecyl-	12.86	.47	mg/kg	J
	Alkane	13.07	.74	mg/kg	J
	Unknown	13.17	.25	mg/kg	J
	Unknown	13.73	.29	mg/kg	J
	Unknown	13.96	.77	mg/kg	J
	Eicosene	14.04	.14	mg/kg	J
	Sitosterol	14.31	.28	mg/kg	J
	Unknown	14.85	.21	mg/kg	J
	Unknown	15.10	.15	mg/kg	J
	Total TIC, Semi-Volatile		4.78	mg/kg	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	GRID-33		
Lab Sample ID:	JE1536-5	**Date Sampled:**	11/26/24
Matrix:	SO - Soil	**Date Received:**	11/26/24
Method:	SW846 8081B SW846 3570	**Percent Solids:**	93.7
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4G9742104.D	1	12/07/24 15:02	RK	12/06/24 08:10	OP59854	G4G4521
Run #2							

	Initial Weight	Final Volume
Run #1	5.0 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.00042	0.000083	mg/kg	
319-84-6	alpha-BHC	ND	0.00042	0.000049	mg/kg	
319-85-7	beta-BHC	ND	0.00042	0.000061	mg/kg	
319-86-8	delta-BHC	ND	0.00042	0.000064	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.00042	0.000074	mg/kg	
5103-71-9	alpha-Chlordane	0.0045	0.00042	0.000057	mg/kg	
5103-74-2	gamma-Chlordane	0.0026	0.00042	0.000064	mg/kg	
57-74-9	Chlordane (alpha and gamma)	0.0071	0.00042	0.000057	mg/kg	
60-57-1	Dieldrin [a]	0.00051	0.00042	0.000068	mg/kg	
72-54-8	4,4'-DDD [a]	0.00099	0.00042	0.000044	mg/kg	
72-55-9	4,4'-DDE	0.0019	0.00042	0.000051	mg/kg	
50-29-3	4,4'-DDT [a]	0.0021	0.00042	0.000074	mg/kg	
72-20-8	Endrin	ND	0.00042	0.000061	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.00042	0.000051	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00042	0.00012	mg/kg	
959-98-8	Endosulfan-I	ND	0.00042	0.000057	mg/kg	
33213-65-9	Endosulfan-II	ND	0.00042	0.000059	mg/kg	
76-44-8	Heptachlor	ND	0.00042	0.000055	mg/kg	
1024-57-3	Heptachlor epoxide	0.00091	0.00042	0.000076	mg/kg	
72-43-5	Methoxychlor [b]	ND	0.00042	0.00017	mg/kg	
53494-70-5	Endrin ketone	ND	0.00042	0.000068	mg/kg	
8001-35-2	Toxaphene	ND	0.0053	0.0035	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	114%		46-145%
877-09-8	Tetrachloro-m-xylene	129%		46-145%
2051-24-3	Decachlorobiphenyl	112%		29-163%
2051-24-3	Decachlorobiphenyl	263% [c]		29-163%

(a) More than 40 % RPD for detected concentrations between the two GC columns.
(b) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GRID-33		
Lab Sample ID:	JE1536-5	**Date Sampled:**	11/26/24
Matrix:	SO - Soil	**Date Received:**	11/26/24
Method:	SW846 8081B SW846 3570	**Percent Solids:**	93.7
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q

(c) Outside of in house control limits.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: GRID-33
Lab Sample ID: JE1536-5
Matrix: SO - Soil
Method: SW846 8082A SW846 3570
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/26/24
Date Received: 11/26/24
Percent Solids: 93.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RM30422.D	1	12/10/24 17:16	MLC	12/06/24 08:10	OP59855	GRM722
Run #2							

	Initial Weight	Final Volume
Run #1	5.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.021	0.0090	mg/kg	
11104-28-2	Aroclor 1221	ND	0.021	0.0071	mg/kg	
11141-16-5	Aroclor 1232	ND	0.021	0.018	mg/kg	
53469-21-9	Aroclor 1242	ND	0.021	0.013	mg/kg	
12672-29-6	Aroclor 1248	ND	0.021	0.0046	mg/kg	
11097-69-1	Aroclor 1254	ND	0.021	0.0023	mg/kg	
11096-82-5	Aroclor 1260	ND	0.021	0.0073	mg/kg	
11100-14-4	Aroclor 1268	ND	0.021	0.0021	mg/kg	
37324-23-5	Aroclor 1262	0.0059	0.021	0.0018	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	113%		35-154%
877-09-8	Tetrachloro-m-xylene	118%		35-154%
2051-24-3	Decachlorobiphenyl	97%		24-176%
2051-24-3	Decachlorobiphenyl	103%		24-176%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: GRID-33
Lab Sample ID: JE1536-5
Matrix: SO - Soil
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/26/24
Date Received: 11/26/24
Percent Solids: 93.7

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	9460	55	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 2.2	2.2	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Arsenic	5.8	2.2	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Barium	25.3	22	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Beryllium	0.39	0.22	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 0.55	0.55	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Calcium	2770	550	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Chromium	10.6	1.1	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Cobalt	< 5.5	5.5	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Copper	9.7	2.8	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Iron	14000	55	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Lead	31.6	2.2	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Magnesium	1980	550	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Manganese	400	1.7	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Mercury	0.071	0.030	mg/kg	1	12/02/24	12/03/24	MK	SW846 7471B [1]	SW846 7471B [4]
Nickel	8.9	4.4	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Potassium	< 1100	1100	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 2.2	2.2	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Silver	< 0.55	0.55	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 1100	1100	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 1.1	1.1	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Vanadium	17.7	5.5	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Zinc	29.4	5.5	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA57414
(2) Instrument QC Batch: MA57432
(3) Prep QC Batch: MP51271
(4) Prep QC Batch: MP51284

RL = Reporting Limit

Report of Analysis

Client Sample ID:	GRID-33		
Lab Sample ID:	JE1536-5	**Date Sampled:**	11/26/24
Matrix:	SO - Soil	**Date Received:**	11/26/24
		Percent Solids:	93.7
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.26	0.26	mg/kg	1	12/02/24 20:41	SS	SW846 9012B/LACHAT
Solids, Percent	93.7		%	1	12/04/24 14:42	DP	SM2540 G 18TH ED MOD

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID: GRID-34
Lab Sample ID: JE1536-6
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/26/24
Date Received: 11/26/24
Percent Solids: 92.2

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C191310.D	1	12/02/24 20:27	PS	11/27/24 17:00	n/a	V3C8319
Run #2							

	Initial Weight
Run #1	5.4 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	0.010	0.0042	mg/kg	
71-43-2	Benzene	ND	0.00050	0.00046	mg/kg	
74-97-5	Bromochloromethane	ND	0.0050	0.00056	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0020	0.00043	mg/kg	
75-25-2	Bromoform	ND	0.0050	0.0014	mg/kg	
74-83-9	Bromomethane	ND	0.0050	0.00077	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.010	0.0024	mg/kg	
75-15-0	Carbon disulfide	ND	0.0020	0.00054	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0020	0.00062	mg/kg	
108-90-7	Chlorobenzene	ND	0.0020	0.00046	mg/kg	
75-00-3	Chloroethane	ND	0.0050	0.00059	mg/kg	
67-66-3	Chloroform	ND	0.0020	0.0010	mg/kg	
74-87-3	Chloromethane	ND	0.0050	0.0020	mg/kg	
110-82-7	Cyclohexane	ND	0.0020	0.00066	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0020	0.00070	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0020	0.00056	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0010	0.00042	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0010	0.00055	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0010	0.00050	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0010	0.00050	mg/kg	
75-71-8	Dichlorodifluoromethane [a]	ND	0.0050	0.00073	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0010	0.00050	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0010	0.00047	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0010	0.00066	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0010	0.00084	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0010	0.00061	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0020	0.00048	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0020	0.00048	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0020	0.00046	mg/kg	
100-41-4	Ethylbenzene	ND	0.0010	0.00045	mg/kg	
76-13-1	Freon 113	ND	0.0050	0.0027	mg/kg	
591-78-6	2-Hexanone	ND	0.0050	0.0021	mg/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GRID-34		
Lab Sample ID:	JE1536-6	**Date Sampled:**	11/26/24
Matrix:	SO - Soil	**Date Received:**	11/26/24
Method:	SW846 8260D SW846 5035	**Percent Solids:**	92.2
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0020	0.0014	mg/kg	
79-20-9	Methyl Acetate	ND	0.0050	0.0014	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0020	0.00088	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0010	0.00047	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0050	0.0023	mg/kg	
75-09-2	Methylene chloride	ND	0.0050	0.0026	mg/kg	
100-42-5	Styrene	ND	0.0020	0.00040	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0020	0.00060	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0020	0.00058	mg/kg	
108-88-3	Toluene	ND	0.0010	0.00053	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0050	0.0025	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0050	0.0025	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0020	0.00049	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0020	0.00056	mg/kg	
79-01-6	Trichloroethene	ND	0.0010	0.00077	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0050	0.00069	mg/kg	
75-01-4	Vinyl chloride	ND	0.0020	0.00048	mg/kg	
	m,p-Xylene	ND	0.0010	0.00090	mg/kg	
95-47-6	o-Xylene	ND	0.0010	0.00046	mg/kg	
1330-20-7	Xylene (total)	ND	0.0010	0.00046	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		80-124%
17060-07-0	1,2-Dichloroethane-D4	102%		75-133%
2037-26-5	Toluene-D8	88%		79-125%
460-00-4	4-Bromofluorobenzene	88%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	.83	.026	mg/kg	J
	Total TIC, Volatile		0	mg/kg	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: GRID-34
Lab Sample ID: JE1536-6
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/26/24
Date Received: 11/26/24
Percent Solids: 92.2

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4P694144.D	1	12/06/24 13:06	KH	12/06/24 11:00	OP59876	E4P3703
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.072	0.018	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.18	0.022	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.18	0.031	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.18	0.064	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.18	0.14	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.18	0.039	mg/kg	
95-48-7	2-Methylphenol	ND	0.072	0.023	mg/kg	
	3&4-Methylphenol	ND	0.072	0.030	mg/kg	
88-75-5	2-Nitrophenol	ND	0.18	0.024	mg/kg	
100-02-7	4-Nitrophenol	ND	0.36	0.096	mg/kg	
87-86-5	Pentachlorophenol	ND	0.14	0.034	mg/kg	
108-95-2	Phenol	ND	0.072	0.019	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.18	0.024	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.18	0.027	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.18	0.022	mg/kg	
83-32-9	Acenaphthene	0.0855	0.036	0.012	mg/kg	
208-96-8	Acenaphthylene	0.199	0.036	0.018	mg/kg	
98-86-2	Acetophenone	ND	0.18	0.0078	mg/kg	
120-12-7	Anthracene	0.373	0.036	0.022	mg/kg	
1912-24-9	Atrazine	ND	0.072	0.015	mg/kg	
56-55-3	Benzo(a)anthracene	0.977	0.036	0.010	mg/kg	
50-32-8	Benzo(a)pyrene	1.06	0.036	0.016	mg/kg	
205-99-2	Benzo(b)fluoranthene	1.29	0.036	0.016	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.530	0.036	0.018	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.380	0.036	0.017	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.072	0.014	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.072	0.0088	mg/kg	
92-52-4	1,1'-Biphenyl	0.0083	0.072	0.0049	mg/kg	J
100-52-7	Benzaldehyde	ND	0.18	0.0090	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.072	0.0086	mg/kg	
106-47-8	4-Chloroaniline	ND	0.18	0.013	mg/kg	
86-74-8	Carbazole	0.0529	0.072	0.0052	mg/kg	J

ND = Not detected MDL = Method Detection Limit
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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: GRID-34
Lab Sample ID: JE1536-6
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/26/24
Date Received: 11/26/24
Percent Solids: 92.2

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.072	0.014	mg/kg	
218-01-9	Chrysene	0.875	0.036	0.011	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.072	0.0077	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.072	0.016	mg/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	0.072	0.013	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.072	0.012	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.036	0.011	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.036	0.018	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.072	0.030	mg/kg	
123-91-1	1,4-Dioxane	ND	0.036	0.024	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.141	0.036	0.016	mg/kg	
132-64-9	Dibenzofuran	0.0525	0.072	0.015	mg/kg	J
84-74-2	Di-n-butyl phthalate	ND	0.072	0.0059	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.072	0.0090	mg/kg	
84-66-2	Diethyl phthalate	ND	0.072	0.0077	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.072	0.0064	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.072	0.0085	mg/kg	
206-44-0	Fluoranthene	2.15	0.036	0.016	mg/kg	
86-73-7	Fluorene	0.141	0.036	0.017	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.072	0.0091	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.036	0.015	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.36	0.014	mg/kg	
67-72-1	Hexachloroethane	ND	0.18	0.018	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.451	0.036	0.017	mg/kg	
78-59-1	Isophorone	ND	0.072	0.0077	mg/kg	
91-57-6	2-Methylnaphthalene	0.0145	0.036	0.0082	mg/kg	J
88-74-4	2-Nitroaniline	ND	0.18	0.0085	mg/kg	
99-09-2	3-Nitroaniline	ND	0.18	0.0090	mg/kg	
100-01-6	4-Nitroaniline	ND	0.18	0.0094	mg/kg	
91-20-3	Naphthalene	0.0226	0.036	0.010	mg/kg	J
98-95-3	Nitrobenzene	ND	0.072	0.014	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.072	0.010	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.18	0.013	mg/kg	
85-01-8	Phenanthrene	0.825	0.036	0.012	mg/kg	
129-00-0	Pyrene	1.49	0.036	0.012	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.18	0.0092	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	64%		10-99%

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GRID-34		
Lab Sample ID:	JE1536-6	**Date Sampled:**	11/26/24
Matrix:	SO - Soil	**Date Received:**	11/26/24
Method:	SW846 8270E SW846 3546	**Percent Solids:**	92.2
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	60%		10-96%
118-79-6	2,4,6-Tribromophenol	76%		10-123%
4165-60-0	Nitrobenzene-d5	73%		10-109%
321-60-8	2-Fluorobiphenyl	79%		11-109%
1718-51-0	Terphenyl-d14	68%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Phenanthrene, methyl	8.50	.19	mg/kg	J
	Phenanthrene, methyl	8.53	.2	mg/kg	J
	Unknown PAH Substance	8.61	.54	mg/kg	J
	Phenanthrene,dimethyl	9.11	.2	mg/kg	J
	Unknown	9.45	.26	mg/kg	J
	Fluoranthene, methyl	9.93	.27	mg/kg	J
	Unknown	12.01	.25	mg/kg	J
	Unknown PAH substance	12.27	.3	mg/kg	J
	Alkane	12.34	.53	mg/kg	J
	Unknown PAH substance	12.45	.61	mg/kg	J
	Unknown	12.68	.2	mg/kg	J
	Unknown	12.72	.28	mg/kg	J
	Unknown	12.78	.35	mg/kg	J
	Unknown	12.86	.63	mg/kg	J
	Unknown	12.96	.21	mg/kg	J
	Unknown	13.00	.21	mg/kg	J
	Alkane	13.07	.46	mg/kg	J
	Unknown	13.11	.26	mg/kg	J
	Unknown	13.18	.28	mg/kg	J
	Unknown	13.30	.18	mg/kg	J
	Unknown	13.55	.39	mg/kg	J
	Unknown	13.68	.26	mg/kg	J
	Oxirane, hexadecyl	13.73	.26	mg/kg	J
53-70-3	Dibenz[a,h]anthracene	13.97	.21	mg/kg	JN
	Unknown	14.31	.2	mg/kg	J
	Total TIC, Semi-Volatile		7.73	mg/kg	J

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N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	GRID-34		
Lab Sample ID:	JE1536-6	**Date Sampled:**	11/26/24
Matrix:	SO - Soil	**Date Received:**	11/26/24
Method:	SW846 8081B SW846 3570	**Percent Solids:**	92.2
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4G9742105.D	1	12/07/24 15:26	RK	12/06/24 08:10	OP59854	G4G4521
Run #2							

	Initial Weight	Final Volume
Run #1	5.0 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.00043	0.000084	mg/kg	
319-84-6	alpha-BHC	ND	0.00043	0.000050	mg/kg	
319-85-7	beta-BHC	ND	0.00043	0.000063	mg/kg	
319-86-8	delta-BHC	ND	0.00043	0.000065	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.00043	0.000076	mg/kg	
5103-71-9	alpha-Chlordane	0.0023	0.00043	0.000058	mg/kg	
5103-74-2	gamma-Chlordane [a]	0.0017	0.00043	0.000065	mg/kg	
57-74-9	Chlordane (alpha and gamma)	0.0040	0.00043	0.000058	mg/kg	
60-57-1	Dieldrin [a]	0.00032	0.00043	0.000069	mg/kg	J
72-54-8	4,4'-DDD [a]	0.0014	0.00043	0.000045	mg/kg	
72-55-9	4,4'-DDE	0.0022	0.00043	0.000052	mg/kg	
50-29-3	4,4'-DDT [b]	0.0030	0.00043	0.000076	mg/kg	
72-20-8	Endrin	ND	0.00043	0.000063	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.00043	0.000052	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00043	0.00013	mg/kg	
959-98-8	Endosulfan-I	0.00049	0.00043	0.000058	mg/kg	
33213-65-9	Endosulfan-II	ND	0.00043	0.000061	mg/kg	
76-44-8	Heptachlor	ND	0.00043	0.000056	mg/kg	
1024-57-3	Heptachlor epoxide	0.00048	0.00043	0.000078	mg/kg	
72-43-5	Methoxychlor [c]	ND	0.00043	0.00017	mg/kg	
53494-70-5	Endrin ketone	ND	0.00043	0.000069	mg/kg	
8001-35-2	Toxaphene	ND	0.0054	0.0036	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	109%		46-145%
877-09-8	Tetrachloro-m-xylene	99%		46-145%
2051-24-3	Decachlorobiphenyl	100%		29-163%
2051-24-3	Decachlorobiphenyl	470% [d]		29-163%

(a) More than 40 % RPD for detected concentrations between the two GC columns.
(b) Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it

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Report of Analysis

Client Sample ID:	GRID-34		
Lab Sample ID:	JE1536-6	**Date Sampled:**	11/26/24
Matrix:	SO - Soil	**Date Received:**	11/26/24
Method:	SW846 8081B SW846 3570	**Percent Solids:**	92.2
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q

being used for confirmation only. More than 40 % RPD for detected concentrations between the two GC columns.
(c) Associated CCV outside of control limits high, sample was ND.
(d) Outside of in house control limits.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: GRID-34
Lab Sample ID: JE1536-6
Matrix: SO - Soil
Method: SW846 8082A SW846 3570
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/26/24
Date Received: 11/26/24
Percent Solids: 92.2

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RM30423.D	1	12/10/24 17:45	MLC	12/06/24 08:10	OP59855	GRM722
Run #2							

	Initial Weight	Final Volume
Run #1	5.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.022	0.0092	mg/kg	
11104-28-2	Aroclor 1221	ND	0.022	0.0073	mg/kg	
11141-16-5	Aroclor 1232	ND	0.022	0.018	mg/kg	
53469-21-9	Aroclor 1242	ND	0.022	0.013	mg/kg	
12672-29-6	Aroclor 1248	ND	0.022	0.0047	mg/kg	
11097-69-1	Aroclor 1254	ND	0.022	0.0023	mg/kg	
11096-82-5	Aroclor 1260	ND	0.022	0.0075	mg/kg	
11100-14-4	Aroclor 1268	ND	0.022	0.0022	mg/kg	
37324-23-5	Aroclor 1262	ND	0.022	0.0018	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	106%		35-154%
877-09-8	Tetrachloro-m-xylene	114%		35-154%
2051-24-3	Decachlorobiphenyl	89%		24-176%
2051-24-3	Decachlorobiphenyl	97%		24-176%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: GRID-34
Lab Sample ID: JE1536-6
Matrix: SO - Soil
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/26/24
Date Received: 11/26/24
Percent Solids: 92.2

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	6230	56	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 2.2	2.2	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Arsenic	2.5	2.2	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Barium	30.5	22	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Beryllium	0.29	0.22	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 0.56	0.56	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Calcium	1440	560	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Chromium	8.4	1.1	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Cobalt	< 5.6	5.6	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Copper	9.6	2.8	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Iron	12000	56	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Lead	21.3	2.2	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Magnesium	1650	560	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Manganese	206	1.7	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Mercury	0.040	0.032	mg/kg	1	12/02/24	12/03/24	MK	SW846 7471B [1]	SW846 7471B [4]
Nickel	7.6	4.5	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Potassium	< 1100	1100	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 2.2	2.2	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Silver	< 0.56	0.56	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 1100	1100	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 1.1	1.1	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Vanadium	15.3	5.6	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Zinc	31.4	5.6	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA57414
(2) Instrument QC Batch: MA57432
(3) Prep QC Batch: MP51271
(4) Prep QC Batch: MP51284

RL = Reporting Limit

Report of Analysis

Client Sample ID:	GRID-34		
Lab Sample ID:	JE1536-6	**Date Sampled:**	11/26/24
Matrix:	SO - Soil	**Date Received:**	11/26/24
		Percent Solids:	92.2
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.22	0.22	mg/kg	1	12/05/24 15:52	JD	SW846 9012B/LACHAT
Solids, Percent	92.2		%	1	12/04/24 14:42	DP	SM2540 G 18TH ED MOD

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID: GRID-35
Lab Sample ID: JE1536-7
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/26/24
Date Received: 11/26/24
Percent Solids: 90.4

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C191311.D	1	12/02/24 20:53	PS	11/27/24 17:00	n/a	V3C8319
Run #2							

	Initial Weight
Run #1	5.8 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	0.0095	0.0039	mg/kg	
71-43-2	Benzene	ND	0.00048	0.00043	mg/kg	
74-97-5	Bromochloromethane	ND	0.0048	0.00053	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0019	0.00041	mg/kg	
75-25-2	Bromoform	ND	0.0048	0.0013	mg/kg	
74-83-9	Bromomethane	ND	0.0048	0.00073	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.0095	0.0023	mg/kg	
75-15-0	Carbon disulfide	ND	0.0019	0.00051	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0019	0.00059	mg/kg	
108-90-7	Chlorobenzene	ND	0.0019	0.00044	mg/kg	
75-00-3	Chloroethane	ND	0.0048	0.00056	mg/kg	
67-66-3	Chloroform	ND	0.0019	0.00095	mg/kg	
74-87-3	Chloromethane	ND	0.0048	0.0019	mg/kg	
110-82-7	Cyclohexane	ND	0.0019	0.00063	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0019	0.00066	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0019	0.00053	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.00095	0.00040	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.00095	0.00052	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.00095	0.00047	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.00095	0.00047	mg/kg	
75-71-8	Dichlorodifluoromethane [a]	ND	0.0048	0.00069	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.00095	0.00047	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.00095	0.00045	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.00095	0.00062	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.00095	0.00080	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.00095	0.00058	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0019	0.00045	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0019	0.00045	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0019	0.00044	mg/kg	
100-41-4	Ethylbenzene	ND	0.00095	0.00043	mg/kg	
76-13-1	Freon 113	ND	0.0048	0.0025	mg/kg	
591-78-6	2-Hexanone	ND	0.0048	0.0020	mg/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: GRID-35
Lab Sample ID: JE1536-7
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/26/24
Date Received: 11/26/24
Percent Solids: 90.4

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0019	0.0014	mg/kg	
79-20-9	Methyl Acetate	ND	0.0048	0.0013	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0019	0.00083	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.00095	0.00045	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0048	0.0022	mg/kg	
75-09-2	Methylene chloride	ND	0.0048	0.0025	mg/kg	
100-42-5	Styrene	ND	0.0019	0.00038	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0019	0.00057	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0019	0.00055	mg/kg	
108-88-3	Toluene	ND	0.00095	0.00050	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0048	0.0024	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0048	0.0024	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0019	0.00046	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0019	0.00053	mg/kg	
79-01-6	Trichloroethene	ND	0.00095	0.00073	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0048	0.00065	mg/kg	
75-01-4	Vinyl chloride	ND	0.0019	0.00046	mg/kg	
	m,p-Xylene	ND	0.00095	0.00085	mg/kg	
95-47-6	o-Xylene	ND	0.00095	0.00044	mg/kg	
1330-20-7	Xylene (total)	ND	0.00095	0.00044	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		80-124%
17060-07-0	1,2-Dichloroethane-D4	104%		75-133%
2037-26-5	Toluene-D8	90%		79-125%
460-00-4	4-Bromofluorobenzene	88%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	.84	.02	mg/kg	J
	Total TIC, Volatile		0	mg/kg	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	GRID-35		
Lab Sample ID:	JE1536-7	**Date Sampled:**	11/26/24
Matrix:	SO - Soil	**Date Received:**	11/26/24
Method:	SW846 8270E SW846 3546	**Percent Solids:**	90.4
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4P694145.D	1	12/06/24 13:30	KH	12/06/24 11:00	OP59876	E4P3703
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.074	0.018	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.18	0.023	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.18	0.031	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.18	0.066	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.18	0.14	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.18	0.039	mg/kg	
95-48-7	2-Methylphenol	ND	0.074	0.024	mg/kg	
	3&4-Methylphenol	ND	0.074	0.030	mg/kg	
88-75-5	2-Nitrophenol	ND	0.18	0.024	mg/kg	
100-02-7	4-Nitrophenol	ND	0.37	0.098	mg/kg	
87-86-5	Pentachlorophenol	ND	0.15	0.035	mg/kg	
108-95-2	Phenol	ND	0.074	0.019	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.18	0.024	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.18	0.028	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.18	0.022	mg/kg	
83-32-9	Acenaphthene	0.0224	0.037	0.013	mg/kg	J
208-96-8	Acenaphthylene	0.0539	0.037	0.019	mg/kg	
98-86-2	Acetophenone	ND	0.18	0.0079	mg/kg	
120-12-7	Anthracene	0.0824	0.037	0.023	mg/kg	
1912-24-9	Atrazine	ND	0.074	0.016	mg/kg	
56-55-3	Benzo(a)anthracene	0.295	0.037	0.010	mg/kg	
50-32-8	Benzo(a)pyrene	0.335	0.037	0.017	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.381	0.037	0.016	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.205	0.037	0.018	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.145	0.037	0.017	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.074	0.014	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.074	0.0090	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.074	0.0051	mg/kg	
100-52-7	Benzaldehyde	ND	0.18	0.0091	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.074	0.0088	mg/kg	
106-47-8	4-Chloroaniline	ND	0.18	0.013	mg/kg	
86-74-8	Carbazole	0.0233	0.074	0.0053	mg/kg	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: GRID-35
Lab Sample ID: JE1536-7
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/26/24
Date Received: 11/26/24
Percent Solids: 90.4

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.074	0.015	mg/kg	
218-01-9	Chrysene	0.301	0.037	0.012	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.074	0.0079	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.074	0.016	mg/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	0.074	0.013	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.074	0.012	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.037	0.011	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.037	0.019	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.074	0.031	mg/kg	
123-91-1	1,4-Dioxane	ND	0.037	0.024	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.0544	0.037	0.016	mg/kg	
132-64-9	Dibenzofuran	ND	0.074	0.015	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.074	0.0060	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.074	0.0092	mg/kg	
84-66-2	Diethyl phthalate	ND	0.074	0.0079	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.074	0.0066	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.074	0.0086	mg/kg	
206-44-0	Fluoranthene	0.579	0.037	0.016	mg/kg	
86-73-7	Fluorene	0.0224	0.037	0.017	mg/kg	J
118-74-1	Hexachlorobenzene	ND	0.074	0.0093	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.037	0.015	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.37	0.015	mg/kg	
67-72-1	Hexachloroethane	ND	0.18	0.018	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.166	0.037	0.017	mg/kg	
78-59-1	Isophorone	ND	0.074	0.0079	mg/kg	
91-57-6	2-Methylnaphthalene	0.0084	0.037	0.0083	mg/kg	J
88-74-4	2-Nitroaniline	ND	0.18	0.0087	mg/kg	
99-09-2	3-Nitroaniline	ND	0.18	0.0092	mg/kg	
100-01-6	4-Nitroaniline	ND	0.18	0.0096	mg/kg	
91-20-3	Naphthalene	0.0152	0.037	0.010	mg/kg	J
98-95-3	Nitrobenzene	ND	0.074	0.014	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.074	0.011	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.18	0.013	mg/kg	
85-01-8	Phenanthrene	0.232	0.037	0.012	mg/kg	
129-00-0	Pyrene	0.500	0.037	0.012	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.18	0.0094	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	60%		10-99%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GRID-35		
Lab Sample ID:	JE1536-7	**Date Sampled:**	11/26/24
Matrix:	SO - Soil	**Date Received:**	11/26/24
Method:	SW846 8270E SW846 3546	**Percent Solids:**	90.4
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	55%		10-96%
118-79-6	2,4,6-Tribromophenol	69%		10-123%
4165-60-0	Nitrobenzene-d5	68%		10-109%
321-60-8	2-Fluorobiphenyl	72%		11-109%
1718-51-0	Terphenyl-d14	71%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Pyrene, methyl	9.93	.16	mg/kg	J
	Unknown	10.85	.16	mg/kg	J
	Unknown PAH Substance	12.03	.15	mg/kg	J
	Unknown PAH substance	12.27	.19	mg/kg	J
	Unknown	12.36	.31	mg/kg	J
	Unknown	12.40	.15	mg/kg	J
	Unknown PAH substance	12.45	.28	mg/kg	J
	Unknown	12.87	.25	mg/kg	J
	Alkane	13.07	.28	mg/kg	J
	Unknown	14.85	.15	mg/kg	J
	Total TIC, Semi-Volatile		2.08	mg/kg	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	GRID-35		
Lab Sample ID:	JE1536-7	**Date Sampled:**	11/26/24
Matrix:	SO - Soil	**Date Received:**	11/26/24
Method:	SW846 8081B SW846 3570	**Percent Solids:**	90.4
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4G9742106.D	1	12/07/24 15:50	RK	12/06/24 08:10	OP59854	G4G4521
Run #2							

	Initial Weight	Final Volume
Run #1	5.0 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.00044	0.000086	mg/kg	
319-84-6	alpha-BHC	ND	0.00044	0.000051	mg/kg	
319-85-7	beta-BHC	ND	0.00044	0.000064	mg/kg	
319-86-8	delta-BHC	ND	0.00044	0.000066	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.00044	0.000077	mg/kg	
5103-71-9	alpha-Chlordane [a]	0.0090	0.00044	0.000060	mg/kg	
5103-74-2	gamma-Chlordane	0.0051	0.00044	0.000066	mg/kg	
57-74-9	Chlordane (alpha and gamma)	0.0141	0.00044	0.000060	mg/kg	
60-57-1	Dieldrin [a]	0.0013	0.00044	0.000071	mg/kg	
72-54-8	4,4'-DDD [b]	0.0012	0.00044	0.000046	mg/kg	
72-55-9	4,4'-DDE [c]	0.0043	0.00044	0.000053	mg/kg	
50-29-3	4,4'-DDT [a]	0.0043	0.00044	0.000077	mg/kg	
72-20-8	Endrin	ND	0.00044	0.000064	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.00044	0.000053	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00044	0.00013	mg/kg	
959-98-8	Endosulfan-I	0.00054	0.00044	0.000060	mg/kg	
33213-65-9	Endosulfan-II	ND	0.00044	0.000062	mg/kg	
76-44-8	Heptachlor	ND	0.00044	0.000057	mg/kg	
1024-57-3	Heptachlor epoxide [a]	0.0010	0.00044	0.000079	mg/kg	
72-43-5	Methoxychlor [d]	ND	0.00044	0.00017	mg/kg	
53494-70-5	Endrin ketone	ND	0.00044	0.000071	mg/kg	
8001-35-2	Toxaphene	ND	0.0055	0.0036	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	118%		46-145%
877-09-8	Tetrachloro-m-xylene	106%		46-145%
2051-24-3	Decachlorobiphenyl	172% [e]		29-163%
2051-24-3	Decachlorobiphenyl	519% [e]		29-163%

(a) Reported from 1st signal. Internal standard outside the limits on the 2nd signal.
(b) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GRID-35		
Lab Sample ID:	JE1536-7	**Date Sampled:**	11/26/24
Matrix:	SO - Soil	**Date Received:**	11/26/24
Method:	SW846 8081B SW846 3570	**Percent Solids:**	90.4
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q

(c) Reported from 1st signal. Internal standard outside the limits on the 2nd signal. More than 40 % RPD for detected concentrations between the two GC columns.
(d) Associated CCV outside of control limits high, sample was ND.
(e) Outside of in house control limits.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	GRID-35		
Lab Sample ID:	JE1536-7	**Date Sampled:**	11/26/24
Matrix:	SO - Soil	**Date Received:**	11/26/24
Method:	SW846 8082A SW846 3570	**Percent Solids:**	90.4
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RM30424.D	1	12/10/24 18:15	MLC	12/06/24 08:10	OP59855	GRM722
Run #2							

	Initial Weight	Final Volume
Run #1	5.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.022	0.0094	mg/kg	
11104-28-2	Aroclor 1221	ND	0.022	0.0074	mg/kg	
11141-16-5	Aroclor 1232	ND	0.022	0.018	mg/kg	
53469-21-9	Aroclor 1242	ND	0.022	0.013	mg/kg	
12672-29-6	Aroclor 1248	ND	0.022	0.0048	mg/kg	
11097-69-1	Aroclor 1254	ND	0.022	0.0024	mg/kg	
11096-82-5	Aroclor 1260	ND	0.022	0.0076	mg/kg	
11100-14-4	Aroclor 1268	ND	0.022	0.0022	mg/kg	
37324-23-5	Aroclor 1262	0.0072	0.022	0.0018	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	105%		35-154%
877-09-8	Tetrachloro-m-xylene	113%		35-154%
2051-24-3	Decachlorobiphenyl	134%		24-176%
2051-24-3	Decachlorobiphenyl	139%		24-176%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GRID-35		
Lab Sample ID:	JE1536-7	**Date Sampled:**	11/26/24
Matrix:	SO - Soil	**Date Received:**	11/26/24
		Percent Solids:	90.4
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	7490	56	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 2.3	2.3	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Arsenic	3.6	2.3	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Barium	34.4	23	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Beryllium	0.37	0.23	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 0.56	0.56	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Calcium	1560	560	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Chromium	11.8	1.1	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Cobalt	< 5.6	5.6	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Copper	12.8	2.8	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Iron	13100	56	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Lead	32.1	2.3	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Magnesium	1730	560	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Manganese	253	1.7	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Mercury	0.12	0.034	mg/kg	1	12/02/24	12/03/24	MK	SW846 7471B [1]	SW846 7471B [4]
Nickel	9.0	4.5	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Potassium	< 1100	1100	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 2.3	2.3	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Silver	< 0.56	0.56	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 1100	1100	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 1.1	1.1	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Vanadium	17.6	5.6	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Zinc	38.2	5.6	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA57414
(2) Instrument QC Batch: MA57432
(3) Prep QC Batch: MP51271
(4) Prep QC Batch: MP51284

RL = Reporting Limit

Report of Analysis

Client Sample ID:	GRID-35		
Lab Sample ID:	JE1536-7	**Date Sampled:**	11/26/24
Matrix:	SO - Soil	**Date Received:**	11/26/24
		Percent Solids:	90.4
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.27	0.27	mg/kg	1	12/05/24 15:52	JD	SW846 9012B/LACHAT
Solids, Percent	90.4		%	1	12/04/24 14:42	DP	SM2540 G 18TH ED MOD

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID: GRID-36
Lab Sample ID: JE1536-8
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/26/24
Date Received: 11/26/24
Percent Solids: 90.9

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C191312.D	1	12/02/24 21:18	PS	11/27/24 17:00	n/a	V3C8319
Run #2							

	Initial Weight
Run #1	3.9 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	0.014	0.0058	mg/kg	
71-43-2	Benzene	ND	0.00071	0.00064	mg/kg	
74-97-5	Bromochloromethane	ND	0.0071	0.00079	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0028	0.00061	mg/kg	
75-25-2	Bromoform	ND	0.0071	0.0019	mg/kg	
74-83-9	Bromomethane	ND	0.0071	0.0011	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.014	0.0034	mg/kg	
75-15-0	Carbon disulfide	ND	0.0028	0.00075	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0028	0.00087	mg/kg	
108-90-7	Chlorobenzene	ND	0.0028	0.00065	mg/kg	
75-00-3	Chloroethane	ND	0.0071	0.00083	mg/kg	
67-66-3	Chloroform	ND	0.0028	0.0014	mg/kg	
74-87-3	Chloromethane	ND	0.0071	0.0028	mg/kg	
110-82-7	Cyclohexane	ND	0.0028	0.00093	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0028	0.00098	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0028	0.00079	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0014	0.00059	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0014	0.00077	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0014	0.00070	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0014	0.00070	mg/kg	
75-71-8	Dichlorodifluoromethane [a]	ND	0.0071	0.0010	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0014	0.00070	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0014	0.00066	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0014	0.00092	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0014	0.0012	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0014	0.00086	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0028	0.00067	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0028	0.00067	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0028	0.00064	mg/kg	
100-41-4	Ethylbenzene	ND	0.0014	0.00064	mg/kg	
76-13-1	Freon 113	ND	0.0071	0.0038	mg/kg	
591-78-6	2-Hexanone	ND	0.0071	0.0030	mg/kg	

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GRID-36		
Lab Sample ID:	JE1536-8	**Date Sampled:**	11/26/24
Matrix:	SO - Soil	**Date Received:**	11/26/24
Method:	SW846 8260D SW846 5035	**Percent Solids:**	90.9
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0028	0.0020	mg/kg	
79-20-9	Methyl Acetate	ND	0.0071	0.0020	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0028	0.0012	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0014	0.00066	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0071	0.0032	mg/kg	
75-09-2	Methylene chloride	ND	0.0071	0.0037	mg/kg	
100-42-5	Styrene	ND	0.0028	0.00057	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0028	0.00084	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0028	0.00082	mg/kg	
108-88-3	Toluene	ND	0.0014	0.00074	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0071	0.0035	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0071	0.0035	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0028	0.00068	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0028	0.00078	mg/kg	
79-01-6	Trichloroethene	ND	0.0014	0.0011	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0071	0.00096	mg/kg	
75-01-4	Vinyl chloride	ND	0.0028	0.00068	mg/kg	
	m,p-Xylene	ND	0.0014	0.0013	mg/kg	
95-47-6	o-Xylene	ND	0.0014	0.00065	mg/kg	
1330-20-7	Xylene (total)	ND	0.0014	0.00065	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		80-124%
17060-07-0	1,2-Dichloroethane-D4	107%		75-133%
2037-26-5	Toluene-D8	90%		79-125%
460-00-4	4-Bromofluorobenzene	90%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	.84	.033	mg/kg	J
	Total TIC, Volatile		0	mg/kg	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

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RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	GRID-36		
Lab Sample ID:	JE1536-8	**Date Sampled:**	11/26/24
Matrix:	SO - Soil	**Date Received:**	11/26/24
Method:	SW846 8270E SW846 3546	**Percent Solids:**	90.9
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4P694146.D	1	12/06/24 13:54	KH	12/06/24 11:00	OP59876	E4P3703
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.073	0.018	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.18	0.022	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.18	0.031	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.18	0.065	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.18	0.14	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.18	0.039	mg/kg	
95-48-7	2-Methylphenol	ND	0.073	0.023	mg/kg	
	3&4-Methylphenol	ND	0.073	0.030	mg/kg	
88-75-5	2-Nitrophenol	ND	0.18	0.024	mg/kg	
100-02-7	4-Nitrophenol	ND	0.37	0.098	mg/kg	
87-86-5	Pentachlorophenol	ND	0.15	0.034	mg/kg	
108-95-2	Phenol	ND	0.073	0.019	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.18	0.024	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.18	0.027	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.18	0.022	mg/kg	
83-32-9	Acenaphthene	ND	0.037	0.013	mg/kg	
208-96-8	Acenaphthylene	ND	0.037	0.019	mg/kg	
98-86-2	Acetophenone	ND	0.18	0.0079	mg/kg	
120-12-7	Anthracene	ND	0.037	0.022	mg/kg	
1912-24-9	Atrazine	ND	0.073	0.016	mg/kg	
56-55-3	Benzo(a)anthracene	0.0585	0.037	0.010	mg/kg	
50-32-8	Benzo(a)pyrene	0.0533	0.037	0.017	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.0812	0.037	0.016	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.0372	0.037	0.018	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.0280	0.037	0.017	mg/kg	J
101-55-3	4-Bromophenyl phenyl ether	ND	0.073	0.014	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.073	0.0089	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.073	0.0050	mg/kg	
100-52-7	Benzaldehyde	ND	0.18	0.0091	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.073	0.0087	mg/kg	
106-47-8	4-Chloroaniline	ND	0.18	0.013	mg/kg	
86-74-8	Carbazole	0.0154	0.073	0.0053	mg/kg	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: GRID-36
Lab Sample ID: JE1536-8
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/26/24
Date Received: 11/26/24
Percent Solids: 90.9

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.073	0.014	mg/kg	
218-01-9	Chrysene	0.0662	0.037	0.012	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.073	0.0078	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.073	0.016	mg/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	0.073	0.013	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.073	0.012	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.037	0.011	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.037	0.018	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.073	0.031	mg/kg	
123-91-1	1,4-Dioxane	ND	0.037	0.024	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.037	0.016	mg/kg	
132-64-9	Dibenzofuran	ND	0.073	0.015	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.073	0.0060	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.073	0.0091	mg/kg	
84-66-2	Diethyl phthalate	ND	0.073	0.0078	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.073	0.0065	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	0.0138	0.073	0.0086	mg/kg	J
206-44-0	Fluoranthene	0.0955	0.037	0.016	mg/kg	
86-73-7	Fluorene	ND	0.037	0.017	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.073	0.0093	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.037	0.015	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.37	0.015	mg/kg	
67-72-1	Hexachloroethane	ND	0.18	0.018	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.0301	0.037	0.017	mg/kg	J
78-59-1	Isophorone	ND	0.073	0.0078	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.037	0.0083	mg/kg	
88-74-4	2-Nitroaniline	ND	0.18	0.0086	mg/kg	
99-09-2	3-Nitroaniline	ND	0.18	0.0092	mg/kg	
100-01-6	4-Nitroaniline	ND	0.18	0.0095	mg/kg	
91-20-3	Naphthalene	ND	0.037	0.010	mg/kg	
98-95-3	Nitrobenzene	ND	0.073	0.014	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.073	0.011	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.18	0.013	mg/kg	
85-01-8	Phenanthrene	0.0411	0.037	0.012	mg/kg	
129-00-0	Pyrene	0.0741	0.037	0.012	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.18	0.0093	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	47%		10-99%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GRID-36		
Lab Sample ID:	JE1536-8	**Date Sampled:**	11/26/24
Matrix:	SO - Soil	**Date Received:**	11/26/24
Method:	SW846 8270E SW846 3546	**Percent Solids:**	90.9
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	46%		10-96%
118-79-6	2,4,6-Tribromophenol	36%		10-123%
4165-60-0	Nitrobenzene-d5	49%		10-109%
321-60-8	2-Fluorobiphenyl	53%		11-109%
1718-51-0	Terphenyl-d14	43%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
103-82-2	Benzeneacetic acid	5.55	.21	mg/kg	JN
	Unknown	5.84	.23	mg/kg	J
	Unknown acid	8.56	.21	mg/kg	J
	Unknown	10.61	.15	mg/kg	J
	Unknown	10.85	.39	mg/kg	J
	Unknown	11.63	.73	mg/kg	J
	Alkane	12.34	1.3	mg/kg	J
	Unknown	12.41	.16	mg/kg	J
	Alkane	12.69	.15	mg/kg	J
638-66-4	Octadecanal	12.87	.75	mg/kg	JN
	Alkane	13.07	1.1	mg/kg	J
	Unknown	13.11	.24	mg/kg	J
	Unknown	13.18	.18	mg/kg	J
10191-41-0	dl-.alpha.-Tocopherol	13.27	.15	mg/kg	JN
	Unknown	13.73	.69	mg/kg	J
	Unknown	13.96	1.6	mg/kg	J
	Unknown	14.05	.22	mg/kg	J
	Unknown	14.22	.24	mg/kg	J
	Sitosterol	14.31	.49	mg/kg	J
	Unknown	14.61	.24	mg/kg	J
	Oxirane, hexadecyl	14.85	.41	mg/kg	J
	Unknown	15.11	.22	mg/kg	J
	Total TIC, Semi-Volatile		10.06	mg/kg	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	GRID-36		
Lab Sample ID:	JE1536-8	**Date Sampled:**	11/26/24
Matrix:	SO - Soil	**Date Received:**	11/26/24
Method:	SW846 8081B SW846 3570	**Percent Solids:**	90.9
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4G9742107.D	1	12/07/24 16:15	RK	12/06/24 08:10	OP59854	G4G4521
Run #2							

	Initial Weight	Final Volume
Run #1	5.0 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.00044	0.000086	mg/kg	
319-84-6	alpha-BHC	ND	0.00044	0.000051	mg/kg	
319-85-7	beta-BHC	ND	0.00044	0.000064	mg/kg	
319-86-8	delta-BHC	ND	0.00044	0.000066	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.00044	0.000077	mg/kg	
5103-71-9	alpha-Chlordane [a]	0.0013	0.00044	0.000059	mg/kg	
5103-74-2	gamma-Chlordane [b]	0.00023	0.00044	0.000066	mg/kg	J
57-74-9	Chlordane (alpha and gamma)	0.0015	0.00044	0.000059	mg/kg	
60-57-1	Dieldrin [b]	0.00018	0.00044	0.000070	mg/kg	J
72-54-8	4,4'-DDD [b]	0.00027	0.00044	0.000046	mg/kg	J
72-55-9	4,4'-DDE	0.00073	0.00044	0.000053	mg/kg	
50-29-3	4,4'-DDT [b]	0.00077	0.00044	0.000077	mg/kg	
72-20-8	Endrin	ND	0.00044	0.000064	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.00044	0.000053	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00044	0.00013	mg/kg	
959-98-8	Endosulfan-I	ND	0.00044	0.000059	mg/kg	
33213-65-9	Endosulfan-II	ND	0.00044	0.000061	mg/kg	
76-44-8	Heptachlor	ND	0.00044	0.000057	mg/kg	
1024-57-3	Heptachlor epoxide [c]	0.00023	0.00044	0.000079	mg/kg	J
72-43-5	Methoxychlor [d]	ND	0.00044	0.00017	mg/kg	
53494-70-5	Endrin ketone	ND	0.00044	0.000070	mg/kg	
8001-35-2	Toxaphene	ND	0.0055	0.0036	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	116%		46-145%
877-09-8	Tetrachloro-m-xylene	124%		46-145%
2051-24-3	Decachlorobiphenyl	112%		29-163%
2051-24-3	Decachlorobiphenyl	211% [e]		29-163%

(a) Reported from 1st signal. Internal standard outside the limits on the 2nd signal. More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GRID-36		
Lab Sample ID:	JE1536-8	**Date Sampled:**	11/26/24
Matrix:	SO - Soil	**Date Received:**	11/26/24
Method:	SW846 8081B SW846 3570	**Percent Solids:**	90.9
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q

(b) More than 40 % RPD for detected concentrations between the two GC columns.
(c) Reported from 1st signal. Internal standard outside the limits on the 2nd signal.
(d) Associated CCV outside of control limits high, sample was ND.
(e) Outside of in house control limits.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	GRID-36		
Lab Sample ID:	JE1536-8	**Date Sampled:**	11/26/24
Matrix:	SO - Soil	**Date Received:**	11/26/24
Method:	SW846 8082A SW846 3570	**Percent Solids:**	90.9
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RM30425.D	1	12/10/24 18:45	MLC	12/06/24 08:10	OP59855	GRM722
Run #2							

	Initial Weight	Final Volume
Run #1	5.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.022	0.0093	mg/kg	
11104-28-2	Aroclor 1221	ND	0.022	0.0074	mg/kg	
11141-16-5	Aroclor 1232	ND	0.022	0.018	mg/kg	
53469-21-9	Aroclor 1242	ND	0.022	0.013	mg/kg	
12672-29-6	Aroclor 1248	ND	0.022	0.0047	mg/kg	
11097-69-1	Aroclor 1254	ND	0.022	0.0024	mg/kg	
11096-82-5	Aroclor 1260	ND	0.022	0.0076	mg/kg	
11100-14-4	Aroclor 1268	ND	0.022	0.0022	mg/kg	
37324-23-5	Aroclor 1262	ND	0.022	0.0018	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	116%		35-154%
877-09-8	Tetrachloro-m-xylene	119%		35-154%
2051-24-3	Decachlorobiphenyl	97%		24-176%
2051-24-3	Decachlorobiphenyl	100%		24-176%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: GRID-36
Lab Sample ID: JE1536-8
Matrix: SO - Soil
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/26/24
Date Received: 11/26/24
Percent Solids: 90.9

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	11100	56	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 2.2	2.2	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Arsenic	6.3	2.2	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Barium	29.9	22	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Beryllium	0.40	0.22	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 0.56	0.56	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Calcium	1260	560	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Chromium	11.1	1.1	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Cobalt	< 5.6	5.6	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Copper	10.9	2.8	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Iron	15000	56	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Lead	60.7	2.2	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Magnesium	1600	560	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Manganese	237	1.7	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Mercury	0.11	0.033	mg/kg	1	12/02/24	12/03/24	MK	SW846 7471B [1]	SW846 7471B [4]
Nickel	8.8	4.4	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Potassium	< 1100	1100	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 2.2	2.2	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Silver	< 0.56	0.56	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 1100	1100	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 1.1	1.1	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Vanadium	20.7	5.6	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]
Zinc	37.0	5.6	mg/kg	1	12/03/24	12/03/24	MM	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA57414
(2) Instrument QC Batch: MA57432
(3) Prep QC Batch: MP51271
(4) Prep QC Batch: MP51284

RL = Reporting Limit

Report of Analysis

Client Sample ID:	GRID-36		
Lab Sample ID:	JE1536-8	**Date Sampled:**	11/26/24
Matrix:	SO - Soil	**Date Received:**	11/26/24
		Percent Solids:	90.9
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.25	0.25	mg/kg	1	12/05/24 15:53	JD	SW846 9012B/LACHAT
Solids, Percent	90.9		%	1	12/04/24 14:42	DP	SM2540 G 18TH ED MOD

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

SO
SL

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

Page 1 of 1

FED-EX Tracking #: | Bottle Order Control #: PDEM-Tm-111524-197
SGS Quote #: | SGS Job #: JE1536

Client / Reporting Information

Company Name: Matrix New World Engineering
Street Address: 216 Columbia TPK
City: Florham Park State: NJ Zip: 07932
Project Contact: Melissa Faury E-mail: mfaury@matrixnw.com
Phone #: 973-240-1800
Sampler(s) Name(s): Sean Penaranda, Danny Cevallo Phone #: 973-865-3805

Project Information

Project Name: Ridgewood, Sherwood
Street: 460 W Saddle River Rd
City: State:
Project #: 23-1429
Client Purchase Order #:
Project Manager: Melissa Faury

Billing Information (if different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention: SAME

TCL/TAL+30

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB-Equipment Blank; RB - Rinse Blank; TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	Number of Bottles # of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)	LAB USE ONLY
1	Grid-29		11/26/24	0940	DC	G		Soil	5					2			3	X	1021
2	Grid-30			0950														X	E61 F3
3	Grid-31			1100														X	1404
4	Grid-32			1115														X	4925
5	Grid-33			1215														X	
6	Grid-34			1240														X	
7	Grid-35			1255														X	
8	Grid-36			1310														X	

Initial Assessment V32B
Label Verification

Turn Around Time (Business Days)

Approved By (SGS PM) / Date: Standard

- [ ] 10 Business Days
- [X] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via SGS Engage

* Approval needed for 1-3 BD TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [X] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [ ] EDD Format

3x5 gerpone

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions: SGS COURIER
X = Run
H = Extract & Hold

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by	Date / Time	Received By
1	D'Cavello	11/26/24	1 M. Aly
2			2 M. Aly
3			3
4			4
5			5

Date / Time: 11/26 4pm | Received By: 2 11/26 15:42
Date / Time: | Received By: 4
Custody Seal # | Intact | Not Intact | Absent | Therm ID: | See Sample Receipt Summary

EHSA-QAC-0023-05 Rev.Date:8/5/22

2/4

JE1536: Chain of Custody
Page 1 of 2

SGS Sample Receipt Summary

Job Number: JE1536 **Client:** MATRIX NEW WORLD ENGINEERING, IN **Project:** RIDGEWOOD BERM SAMPLING, RIDGE

Date / Time Received: 11/26/2024 7:42:00 PM **Delivery Method:** SGS COURIER **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (2.3); Cooler 2: (2.4);

Cooler Temps (Corrected) °C: Cooler 1: (2.8); Cooler 2: (2.9);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR-50		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	2		

Quality Control Preservatio	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

JE1536: Chain of Custody
Page 2 of 2

Internal Sample Tracking Chronicle

Matrix New World Engineering, Inc.

Job No: JE1536

Ridgewood Berm Sampling, Ridgewood, NJ
Project No: 23-1429

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JE1536-1 GRID-29	Collected: 26-NOV-24 09:40 By: DC		Received: 26-NOV-24 By: JK			
JE1536-1	SW846 8260D	02-DEC-24 18:18	PS			V8260TCL20+
JE1536-1	SW846 9012B/LACHAT	02-DEC-24 20:38	SS	02-DEC-24	MS	CN
JE1536-1	SW846 7471B	03-DEC-24 13:36	MK	02-DEC-24	MK	HG
JE1536-1	SW846 6010D	03-DEC-24 17:54	MM	03-DEC-24	CM	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN
JE1536-1	SM2540 G 18TH ED MOD	04-DEC-24 14:42	DP			SOL104
JE1536-1	SW846 8270E	06-DEC-24 11:09	KH	06-DEC-24	KB	AB8270TCL20+
JE1536-1	SW846 8081B	07-DEC-24 13:26	RK	06-DEC-24	DF	P8081PESTTCL
JE1536-1	SW846 8082A	10-DEC-24 15:16	MLC	06-DEC-24	DF	P8082PCB11AO
JE1536-2 GRID-30	Collected: 26-NOV-24 09:50 By: DC		Received: 26-NOV-24 By: JK			
JE1536-2	SW846 8260D	02-DEC-24 18:44	PS			V8260TCL20+
JE1536-2	SW846 9012B/LACHAT	02-DEC-24 20:39	SS	02-DEC-24	MS	CN
JE1536-2	SW846 7471B	03-DEC-24 13:38	MK	02-DEC-24	MK	HG
JE1536-2	SW846 6010D	03-DEC-24 17:59	MM	03-DEC-24	CM	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN
JE1536-2	SM2540 G 18TH ED MOD	04-DEC-24 14:42	DP			SOL104
JE1536-2	SW846 8270E	06-DEC-24 11:33	KH	06-DEC-24	KB	AB8270TCL20+
JE1536-2	SW846 8081B	09-DEC-24 22:14	MLC	06-DEC-24	DF	P8081PESTTCL
JE1536-2	SW846 8082A	10-DEC-24 15:46	MLC	06-DEC-24	DF	P8082PCB11AO
JE1536-3 GRID-31	Collected: 26-NOV-24 11:00 By: DC		Received: 26-NOV-24 By: JK			
JE1536-3	SW846 8260D	02-DEC-24 19:09	PS			V8260TCL20+
JE1536-3	SW846 9012B/LACHAT	02-DEC-24 20:39	SS	02-DEC-24	MS	CN
JE1536-3	SW846 7471B	03-DEC-24 13:40	MK	02-DEC-24	MK	HG
JE1536-3	SW846 6010D	03-DEC-24 18:03	MM	03-DEC-24	CM	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN
JE1536-3	SM2540 G 18TH ED MOD	04-DEC-24 14:42	DP			SOL104
JE1536-3	SW846 8270E	06-DEC-24 11:56	KH	06-DEC-24	KB	AB8270TCL20+
JE1536-3	SW846 8082A	10-DEC-24 16:15	MLC	06-DEC-24	DF	P8082PCB11AO

Internal Sample Tracking Chronicle

Matrix New World Engineering, Inc.

Job No: JE1536

Ridgewood Berm Sampling, Ridgewood, NJ
Project No: 23-1429

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JE1536-3	SW846 8081B	11-DEC-24 10:52	RK	06-DEC-24	DF	P8081PESTTCL
JE1536-4 GRID-32	Collected: 26-NOV-24 11:15 By: DC		Received: 26-NOV-24 By: JK			
JE1536-4	SW846 8260D	02-DEC-24 19:35	PS			V8260TCL20+
JE1536-4	SW846 9012B/LACHAT	02-DEC-24 20:40	SS	02-DEC-24	MS	CN
JE1536-4	SW846 7471B	03-DEC-24 13:43	MK	02-DEC-24	MK	HG
JE1536-4	SW846 6010D	03-DEC-24 18:18	MM	03-DEC-24	CM	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN
JE1536-4	SM2540 G 18TH ED MOD	04-DEC-24 14:42	DP			SOL104
JE1536-4	SW846 8270E	06-DEC-24 12:19	KH	06-DEC-24	KB	AB8270TCL20+
JE1536-4	SW846 8082A	10-DEC-24 16:45	MLC	06-DEC-24	DF	P8082PCB11AO
JE1536-4	SW846 8081B	11-DEC-24 11:34	RK	06-DEC-24	DF	P8081PESTTCL
JE1536-5 GRID-33	Collected: 26-NOV-24 12:15 By: DC		Received: 26-NOV-24 By: JK			
JE1536-5	SW846 8260D	02-DEC-24 20:01	PS			V8260TCL20+
JE1536-5	SW846 9012B/LACHAT	02-DEC-24 20:41	SS	02-DEC-24	MS	CN
JE1536-5	SW846 7471B	03-DEC-24 13:45	MK	02-DEC-24	MK	HG
JE1536-5	SW846 6010D	03-DEC-24 18:22	MM	03-DEC-24	CM	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN
JE1536-5	SM2540 G 18TH ED MOD	04-DEC-24 14:42	DP			SOL104
JE1536-5	SW846 8270E	06-DEC-24 12:42	KH	06-DEC-24	KB	AB8270TCL20+
JE1536-5	SW846 8081B	07-DEC-24 15:02	RK	06-DEC-24	DF	P8081PESTTCL
JE1536-5	SW846 8082A	10-DEC-24 17:16	MLC	06-DEC-24	DF	P8082PCB11AO
JE1536-6 GRID-34	Collected: 26-NOV-24 12:40 By: DC		Received: 26-NOV-24 By: JK			
JE1536-6	SW846 8260D	02-DEC-24 20:27	PS			V8260TCL20+
JE1536-6	SW846 7471B	03-DEC-24 13:51	MK	02-DEC-24	MK	HG
JE1536-6	SW846 6010D	03-DEC-24 18:27	MM	03-DEC-24	CM	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN
JE1536-6	SM2540 G 18TH ED MOD	04-DEC-24 14:42	DP			SOL104
JE1536-6	SW846 9012B/LACHAT	05-DEC-24 15:52	JD	04-DEC-24	JD	CN

Internal Sample Tracking Chronicle

Matrix New World Engineering, Inc.

Job No: JE1536

Ridgewood Berm Sampling, Ridgewood, NJ
Project No: 23-1429

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JE1536-6	SW846 8270E	06-DEC-24 13:06	KH	06-DEC-24	KB	AB8270TCL20+
JE1536-6	SW846 8081B	07-DEC-24 15:26	RK	06-DEC-24	DF	P8081PESTTCL
JE1536-6	SW846 8082A	10-DEC-24 17:45	MLC	06-DEC-24	DF	P8082PCB11AO
JE1536-7 GRID-35	Collected: 26-NOV-24 12:55 By: DC		Received: 26-NOV-24 By: JK			
JE1536-7	SW846 8260D	02-DEC-24 20:53	PS			V8260TCL20+
JE1536-7	SW846 7471B	03-DEC-24 13:53	MK	02-DEC-24	MK	HG
JE1536-7	SW846 6010D	03-DEC-24 18:32	MM	03-DEC-24	CM	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN
JE1536-7	SM2540 G 18TH ED MOD	04-DEC-24 14:42	DP			SOL104
JE1536-7	SW846 9012B/LACHAT	05-DEC-24 15:52	JD	04-DEC-24	JD	CN
JE1536-7	SW846 8270E	06-DEC-24 13:30	KH	06-DEC-24	KB	AB8270TCL20+
JE1536-7	SW846 8081B	07-DEC-24 15:50	RK	06-DEC-24	DF	P8081PESTTCL
JE1536-7	SW846 8082A	10-DEC-24 18:15	MLC	06-DEC-24	DF	P8082PCB11AO
JE1536-8 GRID-36	Collected: 26-NOV-24 13:10 By: DC		Received: 26-NOV-24 By: JK			
JE1536-8	SW846 8260D	02-DEC-24 21:18	PS			V8260TCL20+
JE1536-8	SW846 7471B	03-DEC-24 13:55	MK	02-DEC-24	MK	HG
JE1536-8	SW846 6010D	03-DEC-24 18:37	MM	03-DEC-24	CM	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN
JE1536-8	SM2540 G 18TH ED MOD	04-DEC-24 14:42	DP			SOL104
JE1536-8	SW846 9012B/LACHAT	05-DEC-24 15:53	JD	04-DEC-24	JD	CN
JE1536-8	SW846 8270E	06-DEC-24 13:54	KH	06-DEC-24	KB	AB8270TCL20+
JE1536-8	SW846 8081B	07-DEC-24 16:15	RK	06-DEC-24	DF	P8081PESTTCL
JE1536-8	SW846 8082A	10-DEC-24 18:45	MLC	06-DEC-24	DF	P8082PCB11AO

SGS Internal Chain of Custody

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Received: 11/26/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE1536-1.1	Benny Liem	Secured Storage	11/27/24 15:33	Return to Storage
JE1536-1.1	Secured Storage	Todd Shoemaker	12/02/24 14:28	Retrieve from Storage
JE1536-1.1	Todd Shoemaker	Secured Staging Area	12/02/24 14:29	Return to Storage
JE1536-1.1	Secured Staging Area	Melissa Saenz	12/02/24 16:25	Retrieve from Storage
JE1536-1.1	Melissa Saenz	Secured Storage	12/02/24 22:23	Return to Storage
JE1536-1.1	Secured Storage	Aleandi Rodriguez	12/04/24 21:15	Retrieve from Storage
JE1536-1.1	Aleandi Rodriguez	Secured Staging Area	12/04/24 21:15	Return to Storage
JE1536-1.1	Secured Staging Area	Odalis Rodriguez	12/05/24 06:44	Retrieve from Storage
JE1536-1.1	Odalis Rodriguez	Ellen Dondeo	12/05/24 15:03	Custody Transfer
JE1536-1.1	Ellen Dondeo	Secured Storage	12/06/24 06:37	Return to Storage
JE1536-1.1.1	Odalis Rodriguez	Organics Prep	12/05/24 07:35	Extract from JE1536-1.1
JE1536-1.1.1	Organics Prep	Daniela Frey	12/06/24 16:45	Extract from JE1536-1.1
JE1536-1.1.1	Daniela Frey	Extract Storage	12/06/24 16:45	Return to Storage
JE1536-1.1.1	Extract Storage	Mahalia Lercius Ceus	12/09/24 18:35	Retrieve from Storage
JE1536-1.1.1	Mahalia Lercius Ceus	GCRM	12/09/24 18:35	Load on Instrument
JE1536-1.1.2	Odalis Rodriguez	Organics Prep	12/05/24 07:37	Extract from JE1536-1.1
JE1536-1.1.2	Organics Prep	Daniela Frey	12/06/24 16:45	Extract from JE1536-1.1
JE1536-1.1.2	Daniela Frey	Extract Storage	12/06/24 16:45	Return to Storage
JE1536-1.1.2	Extract Storage	Rebecca Krug	12/07/24 06:35	Retrieve from Storage
JE1536-1.1.2	Rebecca Krug	GC4G	12/07/24 06:35	Load on Instrument
JE1536-1.1.3	Odalis Rodriguez	Organics Prep	12/05/24 07:53	Extract from JE1536-1.1
JE1536-1.2	Benny Liem	Secured Storage	11/27/24 15:33	Return to Storage
JE1536-1.2	Secured Storage	Joe Waddington	12/02/24 22:05	Retrieve from Storage
JE1536-1.2	Joe Waddington	Secured Staging Area	12/02/24 22:05	Return to Storage
JE1536-1.2	Secured Staging Area	Brianna Perez	12/03/24 06:12	Retrieve from Storage
JE1536-1.2	Brianna Perez	Secured Storage	12/03/24 15:04	Return to Storage
JE1536-1.2	Secured Storage	Todd Shoemaker	12/04/24 13:50	Retrieve from Storage
JE1536-1.2	Todd Shoemaker	Secured Staging Area	12/04/24 13:50	Return to Storage
JE1536-1.2	Secured Staging Area	Dhaval Patel	12/04/24 14:33	Retrieve from Storage
JE1536-1.2	Dhaval Patel	Secured Staging Area	12/05/24 16:48	Return to Storage
JE1536-1.3	Secured Storage	Jayna Patel	11/27/24 17:22	Retrieve from Storage
JE1536-1.3	Jayna Patel		11/27/24 17:23	Depleted
JE1536-1.5	Secured Storage	John Nieradka	12/02/24 15:38	Retrieve from Storage
JE1536-1.5	John Nieradka	GCMS3C	12/02/24 15:38	Load on Instrument
JE1536-1.5	GCMS3C	Prashant Shukla	12/03/24 10:17	Unload from Instrument
JE1536-1.5	Prashant Shukla		12/03/24 10:18	Depleted
JE1536-2.1	Benny Liem	Secured Storage	11/27/24 15:33	Return to Storage

SGS Internal Chain of Custody

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Received: 11/26/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE1536-2.1	Secured Storage	Todd Shoemaker	12/02/24 14:28	Retrieve from Storage
JE1536-2.1	Todd Shoemaker	Secured Staging Area	12/02/24 14:29	Return to Storage
JE1536-2.1	Secured Staging Area	Melissa Saenz	12/02/24 16:25	Retrieve from Storage
JE1536-2.1	Melissa Saenz	Secured Storage	12/02/24 22:23	Return to Storage
JE1536-2.1	Secured Storage	Aleandi Rodriguez	12/04/24 21:15	Retrieve from Storage
JE1536-2.1	Aleandi Rodriguez	Secured Staging Area	12/04/24 21:15	Return to Storage
JE1536-2.1	Secured Staging Area	Odalis Rodriguez	12/05/24 06:44	Retrieve from Storage
JE1536-2.1	Odalis Rodriguez	Ellen Dondeo	12/05/24 15:03	Custody Transfer
JE1536-2.1	Ellen Dondeo	Secured Storage	12/06/24 06:37	Return to Storage
JE1536-2.1.1	Odalis Rodriguez	Organics Prep	12/05/24 07:35	Extract from JE1536-2.1
JE1536-2.1.1	Organics Prep	Daniela Frey	12/06/24 16:45	Extract from JE1536-2.1
JE1536-2.1.1	Daniela Frey	Extract Storage	12/06/24 16:45	Return to Storage
JE1536-2.1.1	Extract Storage	Mahalia Lercius Ceus	12/09/24 18:35	Retrieve from Storage
JE1536-2.1.1	Mahalia Lercius Ceus	GCRM	12/09/24 18:35	Load on Instrument
JE1536-2.1.2	Odalis Rodriguez	Organics Prep	12/05/24 07:37	Extract from JE1536-2.1
JE1536-2.1.2	Organics Prep	Daniela Frey	12/06/24 16:45	Extract from JE1536-2.1
JE1536-2.1.2	Daniela Frey	Extract Storage	12/06/24 16:45	Return to Storage
JE1536-2.1.2	Extract Storage	Rebecca Krug	12/07/24 06:35	Retrieve from Storage
JE1536-2.1.2	Rebecca Krug	GC4G	12/07/24 06:35	Load on Instrument
JE1536-2.1.3	Odalis Rodriguez	Organics Prep	12/05/24 07:53	Extract from JE1536-2.1
JE1536-2.2	Benny Liem	Secured Storage	11/27/24 15:33	Return to Storage
JE1536-2.2	Secured Storage	Joe Waddington	12/02/24 22:05	Retrieve from Storage
JE1536-2.2	Joe Waddington	Secured Staging Area	12/02/24 22:05	Return to Storage
JE1536-2.2	Secured Staging Area	Brianna Perez	12/03/24 06:12	Retrieve from Storage
JE1536-2.2	Brianna Perez	Secured Storage	12/03/24 15:04	Return to Storage
JE1536-2.2	Secured Storage	Todd Shoemaker	12/04/24 13:50	Retrieve from Storage
JE1536-2.2	Todd Shoemaker	Secured Staging Area	12/04/24 13:50	Return to Storage
JE1536-2.2	Secured Staging Area	Dhaval Patel	12/04/24 14:33	Retrieve from Storage
JE1536-2.2	Dhaval Patel	Secured Staging Area	12/05/24 16:48	Return to Storage
JE1536-2.3	Secured Storage	Jayna Patel	11/27/24 17:22	Retrieve from Storage
JE1536-2.3	Jayna Patel		11/27/24 17:23	Depleted
JE1536-2.5	Secured Storage	John Nieradka	12/02/24 15:38	Retrieve from Storage
JE1536-2.5	John Nieradka	GCMS3C	12/02/24 15:38	Load on Instrument
JE1536-2.5	GCMS3C	Prashant Shukla	12/03/24 10:17	Unload from Instrument
JE1536-2.5	Prashant Shukla		12/03/24 10:18	Depleted
JE1536-3.1	Benny Liem	Secured Storage	11/27/24 15:33	Return to Storage
JE1536-3.1	Secured Storage	Todd Shoemaker	12/02/24 14:28	Retrieve from Storage

SGS Internal Chain of Custody

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Received: 11/26/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE1536-3.1	Todd Shoemaker	Secured Staging Area	12/02/24 14:29	Return to Storage
JE1536-3.1	Secured Staging Area	Melissa Saenz	12/02/24 16:25	Retrieve from Storage
JE1536-3.1	Melissa Saenz	Secured Storage	12/02/24 22:23	Return to Storage
JE1536-3.1	Secured Storage	Aleandi Rodriguez	12/04/24 21:15	Retrieve from Storage
JE1536-3.1	Aleandi Rodriguez	Secured Staging Area	12/04/24 21:15	Return to Storage
JE1536-3.1	Secured Staging Area	Odalis Rodriguez	12/05/24 06:44	Retrieve from Storage
JE1536-3.1	Odalis Rodriguez	Ellen Dondeo	12/05/24 15:03	Custody Transfer
JE1536-3.1	Ellen Dondeo	Secured Storage	12/06/24 06:37	Return to Storage
JE1536-3.1.1	Odalis Rodriguez	Organics Prep	12/05/24 07:35	Extract from JE1536-3.1
JE1536-3.1.1	Organics Prep	Daniela Frey	12/06/24 16:45	Extract from JE1536-3.1
JE1536-3.1.1	Daniela Frey	Extract Storage	12/06/24 16:45	Return to Storage
JE1536-3.1.1	Extract Storage	Mahalia Lercius Ceus	12/09/24 18:35	Retrieve from Storage
JE1536-3.1.1	Mahalia Lercius Ceus	GCRM	12/09/24 18:35	Load on Instrument
JE1536-3.1.2	Odalis Rodriguez	Organics Prep	12/05/24 07:37	Extract from JE1536-3.1
JE1536-3.1.2	Organics Prep	Daniela Frey	12/06/24 16:45	Extract from JE1536-3.1
JE1536-3.1.2	Daniela Frey	Extract Storage	12/06/24 16:45	Return to Storage
JE1536-3.1.2	Extract Storage	Rebecca Krug	12/07/24 06:35	Retrieve from Storage
JE1536-3.1.2	Rebecca Krug	GC4G	12/07/24 06:35	Load on Instrument
JE1536-3.1.3	Odalis Rodriguez	Organics Prep	12/05/24 07:53	Extract from JE1536-3.1
JE1536-3.2	Benny Liem	Secured Storage	11/27/24 15:33	Return to Storage
JE1536-3.2	Secured Storage	Joe Waddington	12/02/24 22:05	Retrieve from Storage
JE1536-3.2	Joe Waddington	Secured Staging Area	12/02/24 22:05	Return to Storage
JE1536-3.2	Secured Staging Area	Brianna Perez	12/03/24 06:12	Retrieve from Storage
JE1536-3.2	Brianna Perez	Secured Storage	12/03/24 15:04	Return to Storage
JE1536-3.2	Secured Storage	Todd Shoemaker	12/04/24 13:50	Retrieve from Storage
JE1536-3.2	Todd Shoemaker	Secured Staging Area	12/04/24 13:50	Return to Storage
JE1536-3.2	Secured Staging Area	Dhaval Patel	12/04/24 14:33	Retrieve from Storage
JE1536-3.2	Dhaval Patel	Secured Staging Area	12/05/24 16:48	Return to Storage
JE1536-3.3	Secured Storage	Jayna Patel	11/27/24 17:22	Retrieve from Storage
JE1536-3.3	Jayna Patel		11/27/24 17:23	Depleted
JE1536-3.5	Secured Storage	John Nieradka	12/02/24 15:38	Retrieve from Storage
JE1536-3.5	John Nieradka	GCMS3C	12/02/24 15:38	Load on Instrument
JE1536-3.5	GCMS3C	Prashant Shukla	12/03/24 10:17	Unload from Instrument
JE1536-3.5	Prashant Shukla		12/03/24 10:18	Depleted
JE1536-4.1	Benny Liem	Secured Storage	11/27/24 15:33	Return to Storage
JE1536-4.1	Secured Storage	Todd Shoemaker	12/02/24 14:28	Retrieve from Storage
JE1536-4.1	Todd Shoemaker	Secured Staging Area	12/02/24 14:29	Return to Storage

SGS Internal Chain of Custody

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Received: 11/26/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE1536-4.1	Secured Staging Area	Melissa Saenz	12/02/24 16:25	Retrieve from Storage
JE1536-4.1	Melissa Saenz	Secured Storage	12/02/24 22:23	Return to Storage
JE1536-4.1	Secured Storage	Aleandi Rodriguez	12/03/24 19:41	Retrieve from Storage
JE1536-4.1	Secured Storage	Aleandi Rodriguez	12/03/24 19:41	Retrieve from Storage
stage				
JE1536-4.1	Aleandi Rodriguez	Secured Storage	12/03/24 19:41	Return to Storage
JE1536-4.1	Secured Staging Area	Brianna Perez	12/04/24 06:25	Retrieve from Storage
Analyst chain of custody update error.				
JE1536-4.1	Brianna Perez	Secured Storage	12/04/24 14:43	Return to Storage
JE1536-4.1	Secured Storage	Todd Shoemaker	12/05/24 12:07	Retrieve from Storage
JE1536-4.1	Todd Shoemaker	Secured Staging Area	12/05/24 12:08	Return to Storage
JE1536-4.1	Secured Staging Area	Odalis Rodriguez	12/05/24 12:43	Retrieve from Storage
JE1536-4.1	Secured Storage	Ellen Dondeo	12/05/24 14:49	Retrieve from Storage
Analyst unavailable for custody transfer.				
JE1536-4.1	Ellen Dondeo	Secured Storage	12/06/24 06:37	Return to Storage
JE1536-4.1.1	Ellen Dondeo	Organics Prep	12/05/24 14:49	Extract from JE1536-4.1
JE1536-4.1.2	Ellen Dondeo	Organics Prep	12/05/24 16:45	Extract from JE1536-4.1
JE1536-4.1.2	Organics Prep	Daniela Frey	12/06/24 16:45	Extract from JE1536-4.1
JE1536-4.1.2	Daniela Frey	Extract Storage	12/06/24 16:45	Return to Storage
JE1536-4.1.2	Extract Storage	Mahalia Lercius Ceus	12/09/24 18:35	Retrieve from Storage
JE1536-4.1.2	Mahalia Lercius Ceus	GCRM	12/09/24 18:35	Load on Instrument
JE1536-4.1.3	Ellen Dondeo	Organics Prep	12/05/24 16:46	Extract from JE1536-4.1
JE1536-4.1.3	Organics Prep	Daniela Frey	12/06/24 16:45	Extract from JE1536-4.1
JE1536-4.1.3	Daniela Frey	Extract Storage	12/06/24 16:45	Return to Storage
JE1536-4.1.3	Extract Storage	Rebecca Krug	12/07/24 06:35	Retrieve from Storage
JE1536-4.1.3	Rebecca Krug	GC4G	12/07/24 06:35	Load on Instrument
JE1536-4.2	Benny Liem	Secured Storage	11/27/24 15:33	Return to Storage
JE1536-4.2	Secured Storage	Joe Waddington	12/02/24 22:05	Retrieve from Storage
JE1536-4.2	Joe Waddington	Secured Staging Area	12/02/24 22:05	Return to Storage
JE1536-4.2	Secured Staging Area	Brianna Perez	12/03/24 06:12	Retrieve from Storage
JE1536-4.2	Brianna Perez	Secured Storage	12/03/24 15:04	Return to Storage
JE1536-4.2	Secured Storage	Todd Shoemaker	12/04/24 13:50	Retrieve from Storage
JE1536-4.2	Todd Shoemaker	Secured Staging Area	12/04/24 13:50	Return to Storage
JE1536-4.2	Secured Staging Area	Dhaval Patel	12/04/24 14:33	Retrieve from Storage
JE1536-4.2	Dhaval Patel	Secured Staging Area	12/05/24 16:48	Return to Storage
JE1536-4.3	Secured Storage	Jayna Patel	11/27/24 17:22	Retrieve from Storage
JE1536-4.3	Jayna Patel		11/27/24 17:23	Depleted
JE1536-4.5	Secured Storage	John Nieradka	12/02/24 15:38	Retrieve from Storage

SGS Internal Chain of Custody

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Received: 11/26/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE1536-4.5	John Nieradka	GCMS3C	12/02/24 15:38	Load on Instrument
JE1536-4.5	GCMS3C	Prashant Shukla	12/03/24 10:17	Unload from Instrument
JE1536-4.5	Prashant Shukla		12/03/24 10:18	Depleted
JE1536-5.1	Benny Liem	Secured Storage	11/27/24 15:33	Return to Storage
JE1536-5.1	Secured Storage	Todd Shoemaker	12/02/24 14:28	Retrieve from Storage
JE1536-5.1	Todd Shoemaker	Secured Staging Area	12/02/24 14:29	Return to Storage
JE1536-5.1	Secured Staging Area	Melissa Saenz	12/02/24 16:25	Retrieve from Storage
JE1536-5.1	Melissa Saenz	Secured Storage	12/02/24 22:23	Return to Storage
JE1536-5.1	Secured Storage	Aleandi Rodriguez	12/04/24 21:15	Retrieve from Storage
JE1536-5.1	Aleandi Rodriguez	Secured Staging Area	12/04/24 21:15	Return to Storage
JE1536-5.1	Secured Staging Area	Odalis Rodriguez	12/05/24 06:44	Retrieve from Storage
JE1536-5.1	Odalis Rodriguez	Ellen Dondeo	12/05/24 15:03	Custody Transfer
JE1536-5.1	Ellen Dondeo	Secured Storage	12/06/24 06:37	Return to Storage
JE1536-5.1.1	Odalis Rodriguez	Organics Prep	12/05/24 07:35	Extract from JE1536-5.1
JE1536-5.1.1	Organics Prep	Daniela Frey	12/06/24 16:45	Extract from JE1536-5.1
JE1536-5.1.1	Daniela Frey	Extract Storage	12/06/24 16:45	Return to Storage
JE1536-5.1.1	Extract Storage	Mahalia Lercius Ceus	12/09/24 18:35	Retrieve from Storage
JE1536-5.1.1	Mahalia Lercius Ceus	GCRM	12/09/24 18:35	Load on Instrument
JE1536-5.1.2	Odalis Rodriguez	Organics Prep	12/05/24 07:37	Extract from JE1536-5.1
JE1536-5.1.2	Organics Prep	Daniela Frey	12/06/24 16:45	Extract from JE1536-5.1
JE1536-5.1.2	Daniela Frey	Extract Storage	12/06/24 16:45	Return to Storage
JE1536-5.1.2	Extract Storage	Rebecca Krug	12/07/24 06:35	Retrieve from Storage
JE1536-5.1.2	Rebecca Krug	GC4G	12/07/24 06:35	Load on Instrument
JE1536-5.1.3	Odalis Rodriguez	Organics Prep	12/05/24 07:53	Extract from JE1536-5.1
JE1536-5.2	Benny Liem	Secured Storage	11/27/24 15:33	Return to Storage
JE1536-5.2	Secured Storage	Joe Waddington	12/02/24 22:05	Retrieve from Storage
JE1536-5.2	Joe Waddington	Secured Staging Area	12/02/24 22:05	Return to Storage
JE1536-5.2	Secured Staging Area	Brianna Perez	12/03/24 06:12	Retrieve from Storage
JE1536-5.2	Brianna Perez	Secured Storage	12/03/24 15:04	Return to Storage
JE1536-5.2	Secured Storage	Todd Shoemaker	12/04/24 13:50	Retrieve from Storage
JE1536-5.2	Todd Shoemaker	Secured Staging Area	12/04/24 13:50	Return to Storage
JE1536-5.2	Secured Staging Area	Dhaval Patel	12/04/24 14:33	Retrieve from Storage
JE1536-5.2	Dhaval Patel	Secured Staging Area	12/05/24 16:48	Return to Storage
JE1536-5.3	Secured Storage	Jayna Patel	11/27/24 17:22	Retrieve from Storage
JE1536-5.3	Jayna Patel		11/27/24 17:23	Depleted
JE1536-5.5	Secured Storage	John Nieradka	12/02/24 15:38	Retrieve from Storage
JE1536-5.5	John Nieradka	GCMS3C	12/02/24 15:38	Load on Instrument

SGS Internal Chain of Custody

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Received: 11/26/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE1536-5.5	GCMS3C	Prashant Shukla	12/03/24 10:17	Unload from Instrument
JE1536-5.5	Prashant Shukla		12/03/24 10:18	Depleted
JE1536-6.1	Benny Liem	Secured Storage	11/27/24 15:33	Return to Storage
JE1536-6.1	Secured Storage	Todd Shoemaker	12/02/24 14:28	Retrieve from Storage
JE1536-6.1	Todd Shoemaker	Secured Staging Area	12/02/24 14:29	Return to Storage
JE1536-6.1	Secured Staging Area	Melissa Saenz	12/02/24 16:25	Retrieve from Storage
JE1536-6.1	Melissa Saenz	Secured Storage	12/02/24 22:23	Return to Storage
JE1536-6.1	Secured Storage	Todd Shoemaker	12/03/24 13:53	Retrieve from Storage
JE1536-6.1	Todd Shoemaker	Secured Staging Area	12/03/24 13:53	Return to Storage
JE1536-6.1	Secured Storage	Riley Braun	12/04/24 09:55	Retrieve from Storage
Analyst unavailable for custody transfer.				
JE1536-6.1	Riley Braun	Secured Storage	12/04/24 16:16	Return to Storage
JE1536-6.1	Secured Storage	Aleandi Rodriguez	12/04/24 21:15	Retrieve from Storage
JE1536-6.1	Aleandi Rodriguez	Secured Staging Area	12/04/24 21:15	Return to Storage
JE1536-6.1	Secured Staging Area	Odalis Rodriguez	12/05/24 06:44	Retrieve from Storage
JE1536-6.1	Secured Storage	Ellen Dondeo	12/05/24 14:49	Retrieve from Storage
Analyst unavailable for custody transfer.				
JE1536-6.1	Ellen Dondeo	Secured Storage	12/06/24 06:37	Return to Storage
JE1536-6.1.1	Odalis Rodriguez	Organics Prep	12/05/24 07:35	Extract from JE1536-6.1
JE1536-6.1.1	Organics Prep	Daniela Frey	12/06/24 16:45	Extract from JE1536-6.1
JE1536-6.1.1	Daniela Frey	Extract Storage	12/06/24 16:45	Return to Storage
JE1536-6.1.1	Extract Storage	Mahalia Lercius Ceus	12/09/24 18:35	Retrieve from Storage
JE1536-6.1.1	Mahalia Lercius Ceus	GCRM	12/09/24 18:35	Load on Instrument
JE1536-6.1.2	Odalis Rodriguez	Organics Prep	12/05/24 07:37	Extract from JE1536-6.1
JE1536-6.1.2	Organics Prep	Daniela Frey	12/06/24 16:45	Extract from JE1536-6.1
JE1536-6.1.2	Daniela Frey	Extract Storage	12/06/24 16:45	Return to Storage
JE1536-6.1.2	Extract Storage	Rebecca Krug	12/07/24 06:35	Retrieve from Storage
JE1536-6.1.2	Rebecca Krug	GC4G	12/07/24 06:35	Load on Instrument
JE1536-6.1.3	Odalis Rodriguez	Organics Prep	12/05/24 07:53	Extract from JE1536-6.1
JE1536-6.1.4	Ellen Dondeo	Organics Prep	12/05/24 14:49	Extract from JE1536-6.1
JE1536-6.2	Benny Liem	Secured Storage	11/27/24 15:33	Return to Storage
JE1536-6.2	Secured Storage	Joe Waddington	12/02/24 22:05	Retrieve from Storage
JE1536-6.2	Joe Waddington	Secured Staging Area	12/02/24 22:05	Return to Storage
JE1536-6.2	Secured Staging Area	Brianna Perez	12/03/24 06:12	Retrieve from Storage
JE1536-6.2	Brianna Perez	Secured Storage	12/03/24 15:04	Return to Storage
JE1536-6.2	Secured Storage	Todd Shoemaker	12/04/24 13:50	Retrieve from Storage
JE1536-6.2	Todd Shoemaker	Secured Staging Area	12/04/24 13:50	Return to Storage
JE1536-6.2	Secured Staging Area	Dhaval Patel	12/04/24 14:33	Retrieve from Storage

SGS Internal Chain of Custody

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Received: 11/26/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE1536-6.2	Dhaval Patel	Secured Staging Area	12/05/24 16:48	Return to Storage
JE1536-6.3	Secured Storage	Jayna Patel	11/27/24 17:22	Retrieve from Storage
JE1536-6.3	Jayna Patel		11/27/24 17:23	Depleted
JE1536-6.5	Secured Storage	John Nieradka	12/02/24 15:38	Retrieve from Storage
JE1536-6.5	John Nieradka	GCMS3C	12/02/24 15:38	Load on Instrument
JE1536-6.5	GCMS3C	Prashant Shukla	12/03/24 10:17	Unload from Instrument
JE1536-6.5	Prashant Shukla		12/03/24 10:18	Depleted
JE1536-7.1	Benny Liem	Secured Storage	11/27/24 15:33	Return to Storage
JE1536-7.1	Secured Storage	Todd Shoemaker	12/02/24 14:28	Retrieve from Storage
JE1536-7.1	Todd Shoemaker	Secured Staging Area	12/02/24 14:29	Return to Storage
JE1536-7.1	Secured Staging Area	Melissa Saenz	12/02/24 16:25	Retrieve from Storage
JE1536-7.1	Melissa Saenz	Secured Storage	12/02/24 22:23	Return to Storage
JE1536-7.1	Secured Storage	Todd Shoemaker	12/03/24 13:53	Retrieve from Storage
JE1536-7.1	Todd Shoemaker	Secured Staging Area	12/03/24 13:53	Return to Storage
JE1536-7.1	Secured Storage	Riley Braun	12/04/24 09:55	Retrieve from Storage
Analyst unavailable for custody transfer.				
JE1536-7.1	Riley Braun	Secured Storage	12/04/24 16:16	Return to Storage
JE1536-7.1	Secured Storage	Aleandi Rodriguez	12/04/24 21:15	Retrieve from Storage
JE1536-7.1	Aleandi Rodriguez	Secured Staging Area	12/04/24 21:15	Return to Storage
JE1536-7.1	Secured Staging Area	Odalis Rodriguez	12/05/24 06:44	Retrieve from Storage
JE1536-7.1	Odalis Rodriguez	Ellen Dondeo	12/05/24 15:03	Custody Transfer
JE1536-7.1	Ellen Dondeo	Secured Storage	12/06/24 06:37	Return to Storage
JE1536-7.1.1	Odalis Rodriguez	Organics Prep	12/05/24 07:35	Extract from JE1536-7.1
JE1536-7.1.1	Organics Prep	Daniela Frey	12/06/24 16:45	Extract from JE1536-7.1
JE1536-7.1.1	Daniela Frey	Extract Storage	12/06/24 16:45	Return to Storage
JE1536-7.1.1	Extract Storage	Mahalia Lercius Ceus	12/09/24 18:35	Retrieve from Storage
JE1536-7.1.1	Mahalia Lercius Ceus	GCRM	12/09/24 18:35	Load on Instrument
JE1536-7.1.2	Odalis Rodriguez	Organics Prep	12/05/24 07:37	Extract from JE1536-7.1
JE1536-7.1.2	Organics Prep	Daniela Frey	12/06/24 16:45	Extract from JE1536-7.1
JE1536-7.1.2	Daniela Frey	Extract Storage	12/06/24 16:45	Return to Storage
JE1536-7.1.2	Extract Storage	Rebecca Krug	12/07/24 06:35	Retrieve from Storage
JE1536-7.1.2	Rebecca Krug	GC4G	12/07/24 06:35	Load on Instrument
JE1536-7.1.3	Odalis Rodriguez	Organics Prep	12/05/24 07:53	Extract from JE1536-7.1
JE1536-7.2	Benny Liem	Secured Storage	11/27/24 15:33	Return to Storage
JE1536-7.2	Secured Storage	Joe Waddington	12/02/24 22:05	Retrieve from Storage
JE1536-7.2	Joe Waddington	Secured Staging Area	12/02/24 22:05	Return to Storage
JE1536-7.2	Secured Staging Area	Brianna Perez	12/03/24 06:12	Retrieve from Storage

SGS Internal Chain of Custody

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Received: 11/26/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE1536-7.2	Brianna Perez	Secured Storage	12/03/24 15:04	Return to Storage
JE1536-7.2	Secured Storage	Todd Shoemaker	12/04/24 13:50	Retrieve from Storage
JE1536-7.2	Todd Shoemaker	Secured Staging Area	12/04/24 13:50	Return to Storage
JE1536-7.2	Secured Staging Area	Dhaval Patel	12/04/24 14:33	Retrieve from Storage
JE1536-7.2	Dhaval Patel	Secured Staging Area	12/05/24 16:48	Return to Storage
JE1536-7.3	Secured Storage	Jayna Patel	11/27/24 17:22	Retrieve from Storage
JE1536-7.3	Jayna Patel		11/27/24 17:23	Depleted
JE1536-7.5	Secured Storage	John Nieradka	12/02/24 15:38	Retrieve from Storage
JE1536-7.5	John Nieradka	GCMS3C	12/02/24 15:38	Load on Instrument
JE1536-7.5	GCMS3C	Prashant Shukla	12/03/24 10:17	Unload from Instrument
JE1536-7.5	Prashant Shukla		12/03/24 10:18	Depleted
JE1536-8.1	Benny Liem	Secured Storage	11/27/24 15:33	Return to Storage
JE1536-8.1	Secured Storage	Todd Shoemaker	12/02/24 14:28	Retrieve from Storage
JE1536-8.1	Todd Shoemaker	Secured Staging Area	12/02/24 14:29	Return to Storage
JE1536-8.1	Secured Staging Area	Melissa Saenz	12/02/24 16:25	Retrieve from Storage
JE1536-8.1	Melissa Saenz	Secured Storage	12/02/24 22:23	Return to Storage
JE1536-8.1	Secured Storage	Todd Shoemaker	12/03/24 13:53	Retrieve from Storage
JE1536-8.1	Todd Shoemaker	Secured Staging Area	12/03/24 13:53	Return to Storage
JE1536-8.1	Secured Storage	Riley Braun	12/04/24 09:55	Retrieve from Storage
Analyst unavailable for custody transfer.				
JE1536-8.1	Riley Braun	Secured Storage	12/04/24 16:16	Return to Storage
JE1536-8.1	Secured Storage	Aleandi Rodriguez	12/04/24 21:15	Retrieve from Storage
JE1536-8.1	Aleandi Rodriguez	Secured Staging Area	12/04/24 21:15	Return to Storage
JE1536-8.1	Secured Staging Area	Odalis Rodriguez	12/05/24 06:44	Retrieve from Storage
JE1536-8.1	Odalis Rodriguez	Ellen Dondeo	12/05/24 15:03	Custody Transfer
JE1536-8.1	Ellen Dondeo	Secured Storage	12/06/24 06:37	Return to Storage
JE1536-8.1.1	Odalis Rodriguez	Organics Prep	12/05/24 07:35	Extract from JE1536-8.1
JE1536-8.1.1	Organics Prep	Daniela Frey	12/06/24 16:45	Extract from JE1536-8.1
JE1536-8.1.1	Daniela Frey	Extract Storage	12/06/24 16:45	Return to Storage
JE1536-8.1.1	Extract Storage	Mahalia Lercius Ceus	12/09/24 18:35	Retrieve from Storage
JE1536-8.1.1	Mahalia Lercius Ceus	GCRM	12/09/24 18:35	Load on Instrument
JE1536-8.1.2	Odalis Rodriguez	Organics Prep	12/05/24 07:37	Extract from JE1536-8.1
JE1536-8.1.2	Organics Prep	Daniela Frey	12/06/24 16:45	Extract from JE1536-8.1
JE1536-8.1.2	Daniela Frey	Extract Storage	12/06/24 16:45	Return to Storage
JE1536-8.1.2	Extract Storage	Rebecca Krug	12/07/24 06:35	Retrieve from Storage
JE1536-8.1.2	Rebecca Krug	GC4G	12/07/24 06:35	Load on Instrument
JE1536-8.1.3	Odalis Rodriguez	Organics Prep	12/05/24 07:53	Extract from JE1536-8.1

SGS Internal Chain of Custody

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Received: 11/26/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE1536-8.2	Benny Liem	Secured Storage	11/27/24 15:33	Return to Storage
JE1536-8.2	Secured Storage	Joe Waddington	12/02/24 22:05	Retrieve from Storage
JE1536-8.2	Joe Waddington	Secured Staging Area	12/02/24 22:05	Return to Storage
JE1536-8.2	Secured Staging Area	Brianna Perez	12/03/24 06:12	Retrieve from Storage
JE1536-8.2	Brianna Perez	Secured Storage	12/03/24 15:04	Return to Storage
JE1536-8.2	Secured Storage	Todd Shoemaker	12/04/24 13:50	Retrieve from Storage
JE1536-8.2	Todd Shoemaker	Secured Staging Area	12/04/24 13:50	Return to Storage
JE1536-8.2	Secured Staging Area	Dhaval Patel	12/04/24 14:33	Retrieve from Storage
JE1536-8.2	Dhaval Patel	Secured Staging Area	12/05/24 16:48	Return to Storage
JE1536-8.3	Secured Storage	Jayna Patel	11/27/24 17:22	Retrieve from Storage
JE1536-8.3	Jayna Patel		11/27/24 17:23	Depleted
JE1536-8.5	Secured Storage	John Nieradka	12/02/24 15:38	Retrieve from Storage
JE1536-8.5	John Nieradka	GCMS3C	12/02/24 15:38	Load on Instrument
JE1536-8.5	GCMS3C	Prashant Shukla	12/03/24 10:17	Unload from Instrument
JE1536-8.5	Prashant Shukla		12/03/24 10:18	Depleted

MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3C8319-MB	3C191295.D	1	12/02/24	PS	n/a	n/a	V3C8319

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE1536-1, JE1536-2, JE1536-3, JE1536-4, JE1536-5, JE1536-6, JE1536-7, JE1536-8

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	4.1	ug/kg	
71-43-2	Benzene	ND	0.50	0.46	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	0.56	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	0.43	ug/kg	
75-25-2	Bromoform	ND	5.0	1.4	ug/kg	
74-83-9	Bromomethane	ND	5.0	0.76	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/kg	
75-15-0	Carbon disulfide	ND	2.0	0.54	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	0.62	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	0.46	ug/kg	
75-00-3	Chloroethane	ND	5.0	0.59	ug/kg	
67-66-3	Chloroform	ND	2.0	1.0	ug/kg	
74-87-3	Chloromethane	ND	5.0	2.0	ug/kg	
110-82-7	Cyclohexane	ND	2.0	0.66	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	0.56	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.0	0.42	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.55	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.49	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.73	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.0	0.47	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.0	0.66	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.84	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.61	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	0.47	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.48	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.46	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.45	ug/kg	
76-13-1	Freon 113	ND	5.0	2.7	ug/kg	
591-78-6	2-Hexanone	ND	5.0	2.1	ug/kg	
98-82-8	Isopropylbenzene	ND	2.0	1.4	ug/kg	
79-20-9	Methyl Acetate	ND	5.0	1.4	ug/kg	
108-87-2	Methylcyclohexane	ND	2.0	0.88	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.47	ug/kg	

Method Blank Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3C8319-MB	3C191295.D	1	12/02/24	PS	n/a	n/a	V3C8319

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE1536-1, JE1536-2, JE1536-3, JE1536-4, JE1536-5, JE1536-6, JE1536-7, JE1536-8

CAS No.	Compound	Result	RL	MDL	Units	Q
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	2.3	ug/kg	
75-09-2	Methylene chloride	ND	5.0	2.6	ug/kg	
100-42-5	Styrene	ND	2.0	0.40	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.60	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	0.58	ug/kg	
108-88-3	Toluene	ND	1.0	0.53	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.5	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.48	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.55	ug/kg	
79-01-6	Trichloroethene	ND	1.0	0.76	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	0.68	ug/kg	
75-01-4	Vinyl chloride	ND	2.0	0.48	ug/kg	
	m,p-Xylene	ND	1.0	0.90	ug/kg	
95-47-6	o-Xylene	ND	1.0	0.46	ug/kg	
1330-20-7	Xylene (total)	ND	1.0	0.46	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	93%	80-124%
17060-07-0	1,2-Dichloroethane-D4	98%	75-133%
2037-26-5	Toluene-D8	90%	79-125%
460-00-4	4-Bromofluorobenzene	86%	58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	.83	21	ug/kg	J
	Total TIC, Volatile		0	ug/kg	

Blank Spike Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3C8319-BS	3C191293.D	1	12/02/24	PS	n/a	n/a	V3C8319

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE1536-1, JE1536-2, JE1536-3, JE1536-4, JE1536-5, JE1536-6, JE1536-7, JE1536-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	200	176	88	52-156
71-43-2	Benzene	50	51.0	102	82-119
74-97-5	Bromochloromethane	50	51.5	103	82-123
75-27-4	Bromodichloromethane	50	52.0	104	83-121
75-25-2	Bromoform	50	55.6	111	74-138
74-83-9	Bromomethane	50	57.4	115	56-150
78-93-3	2-Butanone (MEK)	200	173	87	72-138
75-15-0	Carbon disulfide	50	43.2	86	67-131
56-23-5	Carbon tetrachloride	50	48.0	96	72-130
108-90-7	Chlorobenzene	50	47.8	96	83-114
75-00-3	Chloroethane	50	61.2	122	67-141
67-66-3	Chloroform	50	44.4	89	76-115
74-87-3	Chloromethane	50	52.6	105	57-141
110-82-7	Cyclohexane	50	45.8	92	69-130
96-12-8	1,2-Dibromo-3-chloropropane	50	48.1	96	72-131
124-48-1	Dibromochloromethane	50	54.3	109	80-128
106-93-4	1,2-Dibromoethane	50	47.3	95	58-145
95-50-1	1,2-Dichlorobenzene	50	49.6	99	83-117
541-73-1	1,3-Dichlorobenzene	50	49.6	99	82-114
106-46-7	1,4-Dichlorobenzene	50	48.4	97	79-114
75-71-8	Dichlorodifluoromethane	50	41.0	82	49-146
75-34-3	1,1-Dichloroethane	50	49.3	99	76-126
107-06-2	1,2-Dichloroethane	50	49.4	99	76-118
75-35-4	1,1-Dichloroethene	50	48.7	97	72-125
156-59-2	cis-1,2-Dichloroethene	50	47.2	94	80-118
156-60-5	trans-1,2-Dichloroethene	50	48.2	96	76-122
78-87-5	1,2-Dichloropropane	50	53.6	107	82-123
10061-01-5	cis-1,3-Dichloropropene	50	50.9	102	83-123
10061-02-6	trans-1,3-Dichloropropene	50	45.6	91	83-123
100-41-4	Ethylbenzene	50	46.2	92	83-115
76-13-1	Freon 113	50	51.1	102	65-132
591-78-6	2-Hexanone	200	195	98	73-138
98-82-8	Isopropylbenzene	50	46.0	92	81-122
79-20-9	Methyl Acetate	50	44.7	89	63-142
108-87-2	Methylcyclohexane	50	47.7	95	73-126
1634-04-4	Methyl Tert Butyl Ether	50	45.2	90	75-126

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3C8319-BS	3C191293.D	1	12/02/24	PS	n/a	n/a	V3C8319

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE1536-1, JE1536-2, JE1536-3, JE1536-4, JE1536-5, JE1536-6, JE1536-7, JE1536-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	200	190	95	71-138
75-09-2	Methylene chloride	50	43.9	88	73-122
100-42-5	Styrene	50	48.0	96	84-122
79-34-5	1,1,2,2-Tetrachloroethane	50	44.6	89	75-127
127-18-4	Tetrachloroethene	50	51.7	103	73-125
108-88-3	Toluene	50	46.5	93	82-118
87-61-6	1,2,3-Trichlorobenzene	50	52.1	104	68-132
120-82-1	1,2,4-Trichlorobenzene	50	52.8	106	72-133
71-55-6	1,1,1-Trichloroethane	50	47.6	95	77-124
79-00-5	1,1,2-Trichloroethane	50	46.2	92	83-122
79-01-6	Trichloroethene	50	51.4	103	80-122
75-69-4	Trichlorofluoromethane	50	50.2	100	69-132
75-01-4	Vinyl chloride	50	50.8	102	60-144
	m,p-Xylene	100	94.2	94	82-119
95-47-6	o-Xylene	50	44.4	89	84-120
1330-20-7	Xylene (total)	150	139	93	83-119

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	93%	80-124%
17060-07-0	1,2-Dichloroethane-D4	103%	75-133%
2037-26-5	Toluene-D8	89%	79-125%
460-00-4	4-Bromofluorobenzene	85%	58-148%

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE1537-1MS	3C191302.D	1	12/02/24	PS	n/a	n/a	V3C8319
JE1537-1	3C191296.D	1	12/02/24	PS	n/a	n/a	V3C8319

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE1536-1, JE1536-2, JE1536-3, JE1536-4, JE1536-5, JE1536-6, JE1536-7, JE1536-8

CAS No.	Compound	JE1537-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Limits
67-64-1	Acetone	32.9		195	151	61	10-170
71-43-2	Benzene	ND		48.7	44.0	90	61-132
74-97-5	Bromochloromethane	ND		48.7	42.8	88	68-126
75-27-4	Bromodichloromethane	ND		48.7	42.7	88	65-129
75-25-2	Bromoform	ND		48.7	41.4	85	52-136
74-83-9	Bromomethane	ND		48.7	48.5	100	23-158
78-93-3	2-Butanone (MEK)	ND		195	137	70	45-142
75-15-0	Carbon disulfide	ND		48.7	33.8	69	50-140
56-23-5	Carbon tetrachloride	ND		48.7	41.1	84	54-139
108-90-7	Chlorobenzene	ND		48.7	39.9	82	57-127
75-00-3	Chloroethane	ND		48.7	54.7	112	30-157
67-66-3	Chloroform	ND		48.7	39.2	81	59-127
74-87-3	Chloromethane	ND		48.7	48.6	100	49-145
110-82-7	Cyclohexane	ND		48.7	39.3	81	39-147
96-12-8	1,2-Dibromo-3-chloropropane	ND		48.7	34.0	70	35-140
124-48-1	Dibromochloromethane	ND		48.7	43.3	89	63-129
106-93-4	1,2-Dibromoethane	ND		48.7	37.5	77	45-141
95-50-1	1,2-Dichlorobenzene	ND		48.7	38.4	79	38-136
541-73-1	1,3-Dichlorobenzene	ND		48.7	38.4	79	37-135
106-46-7	1,4-Dichlorobenzene	ND		48.7	37.3	77	36-134
75-71-8	Dichlorodifluoromethane	ND		48.7	40.7	84	33-152
75-34-3	1,1-Dichloroethane	ND		48.7	42.8	88	68-131
107-06-2	1,2-Dichloroethane	ND		48.7	41.3	85	64-119
75-35-4	1,1-Dichloroethene	ND		48.7	40.8	84	60-133
156-59-2	cis-1,2-Dichloroethene	ND		48.7	40.2	83	58-133
156-60-5	trans-1,2-Dichloroethene	ND		48.7	40.4	83	62-130
78-87-5	1,2-Dichloropropane	ND		48.7	45.6	94	70-127
10061-01-5	cis-1,3-Dichloropropene	ND		48.7	30.6	63* [a]	64-126
10061-02-6	trans-1,3-Dichloropropene	ND		48.7	26.3	54* [a]	61-127
100-41-4	Ethylbenzene	ND		48.7	39.3	81	51-133
76-13-1	Freon 113	ND		48.7	41.6	85	46-138
591-78-6	2-Hexanone	ND		195	144	74	45-144
98-82-8	Isopropylbenzene	ND		48.7	38.2	78	44-142
79-20-9	Methyl Acetate	3.6		48.7	32.1	59	14-192
108-87-2	Methylcyclohexane	ND		48.7	36.0	74	27-149
1634-04-4	Methyl Tert Butyl Ether	ND		48.7	37.4	77	62-125

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE1537-1MS	3C191302.D	1	12/02/24	PS	n/a	n/a	V3C8319
JE1537-1	3C191296.D	1	12/02/24	PS	n/a	n/a	V3C8319

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE1536-1, JE1536-2, JE1536-3, JE1536-4, JE1536-5, JE1536-6, JE1536-7, JE1536-8

CAS No.	Compound	JE1537-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		195	143	73	50-138
75-09-2	Methylene chloride	ND		48.7	37.3	77	63-127
100-42-5	Styrene	ND		48.7	39.8	82	48-143
79-34-5	1,1,2,2-Tetrachloroethane	ND		48.7	19.8	41* [a]	44-135
127-18-4	Tetrachloroethene	ND		48.7	42.4	87	38-146
108-88-3	Toluene	ND		48.7	39.8	82	56-135
87-61-6	1,2,3-Trichlorobenzene	ND		48.7	35.1	72	10-153
120-82-1	1,2,4-Trichlorobenzene	ND		48.7	35.7	73	10-158
71-55-6	1,1,1-Trichloroethane	ND		48.7	41.5	85	61-134
79-00-5	1,1,2-Trichloroethane	ND		48.7	37.0	76	62-133
79-01-6	Trichloroethene	ND		48.7	58.5	120	52-144
75-69-4	Trichlorofluoromethane	ND		48.7	46.8	96	50-141
75-01-4	Vinyl chloride	ND		48.7	48.0	99	48-151
	m,p-Xylene	ND		97.4	78.4	81	51-135
95-47-6	o-Xylene	ND		48.7	37.8	78	52-137
1330-20-7	Xylene (total)	ND		146	116	79	50-138

CAS No.	Surrogate Recoveries	MS	JE1537-1	Limits
1868-53-7	Dibromofluoromethane	94%	95%	80-124%
17060-07-0	1,2-Dichloroethane-D4	95%	102%	75-133%
2037-26-5	Toluene-D8	90%	89%	79-125%
460-00-4	4-Bromofluorobenzene	86%	87%	58-148%

(a) Outside control limits due to matrix interference.

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE1537-8DUP	3C191304.D	1	12/02/24	PS	n/a	n/a	V3C8319
JE1537-8	3C191297.D	1	12/02/24	PS	n/a	n/a	V3C8319

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE1536-1, JE1536-2, JE1536-3, JE1536-4, JE1536-5, JE1536-6, JE1536-7, JE1536-8

CAS No.	Compound	JE1537-8 ug/kg	Q	DUP ug/kg	Q	RPD	Limits
67-64-1	Acetone	81.1		63.1		25	50
71-43-2	Benzene	ND		ND		nc	44
74-97-5	Bromochloromethane	ND		ND		nc	30
75-27-4	Bromodichloromethane	ND		ND		nc	22
75-25-2	Bromoform	ND		ND		nc	30
74-83-9	Bromomethane	ND		ND		nc	10
78-93-3	2-Butanone (MEK)	5.0		3.0	J	50* [a]	15
75-15-0	Carbon disulfide	ND		ND		nc	43
56-23-5	Carbon tetrachloride	ND		ND		nc	38
108-90-7	Chlorobenzene	ND		ND		nc	11
75-00-3	Chloroethane	ND		ND		nc	10
67-66-3	Chloroform	ND		ND		nc	14
74-87-3	Chloromethane	ND		ND		nc	30
110-82-7	Cyclohexane	ND		ND		nc	44
96-12-8	1,2-Dibromo-3-chloropropane	ND		ND		nc	30
124-48-1	Dibromochloromethane	ND		ND		nc	10
106-93-4	1,2-Dibromoethane	ND		ND		nc	30
95-50-1	1,2-Dichlorobenzene	ND		ND		nc	10
541-73-1	1,3-Dichlorobenzene	ND		ND		nc	30
106-46-7	1,4-Dichlorobenzene	ND		ND		nc	10
75-71-8	Dichlorodifluoromethane	ND		ND		nc	30
75-34-3	1,1-Dichloroethane	ND		ND		nc	25
107-06-2	1,2-Dichloroethane	ND		ND		nc	10
75-35-4	1,1-Dichloroethene	ND		ND		nc	10
156-59-2	cis-1,2-Dichloroethene	ND		ND		nc	36
156-60-5	trans-1,2-Dichloroethene	ND		ND		nc	14
78-87-5	1,2-Dichloropropane	ND		ND		nc	30
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	30
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	30
100-41-4	Ethylbenzene	ND		ND		nc	35
76-13-1	Freon 113	ND		ND		nc	10
591-78-6	2-Hexanone	ND		ND		nc	10
98-82-8	Isopropylbenzene	ND		ND		nc	28
79-20-9	Methyl Acetate	6.6		4.7	J	34	37
108-87-2	Methylcyclohexane	ND		ND		nc	43
1634-04-4	Methyl Tert Butyl Ether	ND		ND		nc	21

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE1537-8DUP	3C191304.D	1	12/02/24	PS	n/a	n/a	V3C8319
JE1537-8	3C191297.D	1	12/02/24	PS	n/a	n/a	V3C8319

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE1536-1, JE1536-2, JE1536-3, JE1536-4, JE1536-5, JE1536-6, JE1536-7, JE1536-8

CAS No.	Compound	JE1537-8 ug/kg	Q	DUP ug/kg	Q	RPD	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		ND		nc	10
75-09-2	Methylene chloride	ND		ND		nc	10
100-42-5	Styrene	ND		ND		nc	10
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	10
127-18-4	Tetrachloroethene	ND		ND		nc	43
108-88-3	Toluene	ND		ND		nc	37
87-61-6	1,2,3-Trichlorobenzene	ND		ND		nc	30
120-82-1	1,2,4-Trichlorobenzene	ND		ND		nc	10
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	21
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	10
79-01-6	Trichloroethene	ND		ND		nc	44
75-69-4	Trichlorofluoromethane	ND		ND		nc	30
75-01-4	Vinyl chloride	ND		ND		nc	22
	m,p-Xylene	ND		ND		nc	44
95-47-6	o-Xylene	ND		ND		nc	45
1330-20-7	Xylene (total)	ND		ND		nc	60

CAS No.	Surrogate Recoveries	DUP	JE1537-8	Limits
1868-53-7	Dibromofluoromethane	93%	94%	80-124%
17060-07-0	1,2-Dichloroethane-D4	102%	102%	75-133%
2037-26-5	Toluene-D8	89%	89%	79-125%
460-00-4	4-Bromofluorobenzene	88%	86%	58-148%

(a) RPD acceptable due to low DUP and sample concentrations.

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	V3C8247-BFB	**Injection Date:**	08/16/24
Lab File ID:	3C189350.D	**Injection Time:**	19:56
Instrument ID:	GCMS3C		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	51867	19.2		Pass
75	30.0 - 60.0% of mass 95	136923	50.6		Pass
95	Base peak, 100% relative abundance	270571	100.0		Pass
96	5.0 - 9.0% of mass 95	16947	6.26		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	192195	71.0		Pass
175	5.0 - 9.0% of mass 174	14478	5.35	(7.53) [a]	Pass
176	95.0 - 101.0% of mass 174	186491	68.9	(97.0) [a]	Pass
177	5.0 - 9.0% of mass 176	12779	4.72	(6.85) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3C8247-IC8247	3C189351.D	08/16/24	20:29	00:33	Initial cal 0.2
V3C8247-IC8247	3C189352.D	08/16/24	20:55	00:59	Initial cal 0.5
V3C8247-IC8247	3C189353.D	08/16/24	21:21	01:25	Initial cal 1
V3C8247-IC8247	3C189354.D	08/16/24	21:47	01:51	Initial cal 2
V3C8247-IC8247	3C189355.D	08/16/24	22:13	02:17	Initial cal 4
V3C8247-IC8247	3C189356.D	08/16/24	22:39	02:43	Initial cal 8
V3C8247-IC8247	3C189357.D	08/16/24	23:04	03:08	Initial cal 20
V3C8247-ICC8247	3C189358.D	08/16/24	23:30	03:34	Initial cal 50
V3C8247-IC8247	3C189359.D	08/16/24	23:56	04:00	Initial cal 100
V3C8247-IC8247	3C189360.D	08/17/24	00:22	04:26	Initial cal 200
V3C8247-ICV8247	3C189363.D	08/17/24	01:40	05:44	Initial cal verification 50
V3C8247-ICV8247	3C189364.D	08/17/24	02:06	06:10	Initial cal verification 50

Internal Standard Area Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	V3C8319-CC8247	**Injection Date:**	12/02/24
Lab File ID:	3C191291.D	**Injection Time:**	11:51
Instrument ID:	GCMS3C	**Method:**	SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	200185	2.22	663082	3.55	1108572	4.16	1078156	6.92	599398	8.87
Upper Limit [a]	400370	2.72	1326164	4.05	2217144	4.66	2156312	7.42	1198796	9.37
Lower Limit [b]	100093	1.72	331541	3.05	554286	3.66	539078	6.42	299699	8.37

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
V3C8319-BS	201391	2.22	657567	3.55	1120998	4.16	1065231	6.92	598951	8.87
V3C8319-MB	152406	2.22	643123	3.55	1063555	4.16	1010008	6.92	564305	8.87
JE1537-1	176955	2.23	649165	3.55	1077294	4.16	1031005	6.92	559256	8.87
JE1537-8	195106	2.23	684276	3.55	1130709	4.16	1092047	6.92	606582	8.87
ZZZZZZ	174370	2.22	625043	3.55	1058860	4.16	1014731	6.92	557088	8.87
ZZZZZZ	163674	2.23	513215	3.55	888294	4.16	934735	6.92	443031	8.88
ZZZZZZ	182796	2.22	512849	3.55	1007793	4.16	898793	6.92	233114[c]	8.88
JE1537-1MS	168241	2.22	734758	3.55	1258875	4.16	1186483	6.92	663085	8.87
JE1537-8DUP	193797	2.22	705336	3.55	1171414	4.17	1130455	6.92	614243	8.87
JE1536-1	189080	2.22	674693	3.55	1125434	4.16	1065569	6.92	575603	8.87
JE1536-2	195635	2.22	672287	3.55	1128836	4.17	1066378	6.92	577501	8.87
JE1536-3	194480	2.22	671023	3.55	1126763	4.16	1079461	6.92	585629	8.87
JE1536-4	194201	2.22	659585	3.55	1109464	4.17	1071070	6.92	579630	8.87
JE1536-5	195836	2.22	648214	3.55	1089950	4.16	1041075	6.92	560297	8.87
JE1536-6	175903	2.22	652071	3.55	1086453	4.16	1055604	6.92	569209	8.87
JE1536-7	188423	2.22	668837	3.55	1123428	4.16	1081572	6.92	587009	8.87
JE1536-8	186693	2.22	612961	3.55	1028995	4.16	975837	6.92	505599	8.87
ZZZZZZ	180575	2.22	640885	3.55	1080931	4.16	1044527	6.92	565200	8.87
ZZZZZZ	177049	2.22	634769	3.55	1084911	4.17	1041832	6.92	563000	8.87
ZZZZZZ	191113	2.22	645337	3.55	1087717	4.17	1059852	6.92	576394	8.87
ZZZZZZ	205210	2.22	644853	3.55	1097071	4.16	1060110	6.92	570485	8.87
ZZZZZZ	181685	2.22	643625	3.55	1087072	4.16	1051448	6.92	565433	8.87

IS 1 = Tert Butyl Alcohol-D9
IS 2 = Pentafluorobenzene
IS 3 = 1,4-Difluorobenzene
IS 4 = Chlorobenzene-D5
IS 5 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Outside control limits due to matrix interference.

Surrogate Recovery Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Method: SW846 8260D **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
JE1536-1	3C191305.D	92	101	89	88
JE1536-2	3C191306.D	95	102	90	89
JE1536-3	3C191307.D	95	101	89	87
JE1536-4	3C191308.D	96	104	89	88
JE1536-5	3C191309.D	97	103	89	88
JE1536-6	3C191310.D	94	102	88	88
JE1536-7	3C191311.D	94	104	90	88
JE1536-8	3C191312.D	95	107	90	90
JE1537-1MS	3C191302.D	94	95	90	86
JE1537-8DUP	3C191304.D	93	102	89	88
V3C8319-BS	3C191293.D	93	103	89	85
V3C8319-MB	3C191295.D	93	98	90	86

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	80-124%
S2 = 1,2-Dichloroethane-D4	75-133%
S3 = Toluene-D8	79-125%
S4 = 4-Bromofluorobenzene	58-148%

Initial Calibration Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: V3C8247-ICC8247
Lab FileID: 3C189358.D

Response Factor Report GCMS3C

Method : C:\MSDCHEM\1\METHODS\M3C8247.M (RTE Integrator)
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
Last Update : Mon Aug 19 09:54:16 2024
Response via : Initial Calibration

Calibration Files
4 =3C189355.D 8 =3C189356.D 0.5 =3C189352.D 50 =3C189358.D
100 =3C189359.D 1 =3C189353.D 200 =3C189360.D 20 =3C189357.D
2 =3C189354.D 0.2 =3C189351.D = =

Compound	4	8	0.5	50	100	1	200	20	2	0.2	Avg	%RSD
1) I tert butyl alcohol-d9	----------ISTD----------											
2) ethanol	0.164	0.140	0.137	0.160	0.158	0.120	0.146	0.140	0.142		0.145	9.47
3) tertiary butyl alcohol	0.905	0.858		0.935	0.950	0.951	0.914	0.838	0.809		0.895	6.01
4) 1,4-dioxane	0.093	0.106		0.112	0.112		0.106	0.103			0.105	6.78
5) I pentafluorobenzene	----------ISTD----------											
6) dichlorodifluoromethane	0.548	0.545		0.527	0.547		0.512	0.515	0.565		0.537	3.59
7) chlorodifluoromethane	0.474	0.462		0.443	0.457	0.514	0.432	0.435	0.498		0.464	6.35
8) chloromethane	0.476	0.448		0.431	0.456	0.478	0.424	0.435	0.470		0.452	4.66
9) 1,3-butadiene *This compound fails initial calibration criteria.*	0.250	0.268		0.275	0.282		0.271	0.274			0.270	4.09
10) vinyl chloride	0.395	0.394	0.349	0.391	0.414	0.399	0.392	0.389	0.415		0.393	4.82
11) bromomethane	0.317	0.297	0.237	0.256	0.279	0.313	0.267	0.263	0.306		0.282	9.93
12) chloroethane	0.204	0.220	0.174	0.220	0.235	0.198	0.246	0.210	0.211		0.213	9.83
13) trichlorofluoromethane	0.493	0.446	0.470	0.489	0.525	0.497	0.504	0.490	0.448	0.509	0.487	5.25
14) ethyl ether	0.191	0.192	0.169	0.210	0.223	0.170	0.212	0.196	0.184		0.194	9.44
15) acrolein	0.031	0.026		0.029	0.032		0.029	0.025			0.028	9.27
16) freon 113	0.248	0.232	0.214	0.243	0.250	0.241	0.236	0.229	0.242		0.237	4.72
17) 1,1-dichloroethene	0.271	0.288	0.230	0.286	0.287	0.249	0.275	0.268	0.248		0.267	7.62
18) acetone	0.036	0.032		0.031	0.031		0.030	0.029	0.027		0.031	9.72
19) acetonitrile	0.048	0.045		0.041	0.042		0.040	0.040	0.046		0.043	7.15
20) iodomethane	0.207	0.253		0.390	0.445		0.444	0.310			0.341	29.42
----- Linear regression ----- Coefficient = 0.9967												
Response Ratio = -0.02692 + 0.44463 *A												
21) carbon disulfide	1.115	1.103	1.299	1.072	1.115	1.255	1.080	1.043	1.125		1.134	7.54

Initial Calibration Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: V3C8247-ICC8247
Lab FileID: 3C189358.D

22) methylene chloride
0.420 0.394 0.379 0.394 0.382 0.371 0.436 0.397 5.85
23) methyl acetate
0.042 0.049 0.053 0.055 0.053 0.048 0.050 9.36
24) methyl tert butyl ether
0.988 0.987 0.827 1.006 1.067 0.880 1.047 0.962 0.909 0.964 8.13
25) trans-1,2-dichloroethene
0.345 0.323 0.317 0.339 0.350 0.305 0.337 0.331 0.321 0.330 4.38
26) hexane
0.606 0.553 0.611 0.538 0.567 0.568 0.536 0.541 0.571 0.566 4.90
27) di-isopropyl ether
1.113 1.152 1.093 1.162 1.238 1.088 1.205 1.125 1.047 1.059 1.128 5.44
28) ethyl tert-butyl ether
1.123 1.065 1.120 1.124 1.218 0.992 1.188 1.076 0.965 0.877 1.075 9.72
29) 2-butanone
0.036 0.037 0.039 0.040 0.038 0.039 0.037 0.033 0.037 5.84
30) 1,1-dichloroethane
0.630 0.640 0.636 0.619 0.640 0.578 0.630 0.619 0.584 0.620 3.77
31) chloroprene
0.497 0.502 0.442 0.529 0.541 0.466 0.529 0.492 0.480 0.559 0.504 7.15
32) acrylonitrile
0.101 0.094 0.098 0.101 0.083 0.096 0.088 0.084 0.093 7.84
33) vinyl acetate
0.054 0.080 0.082 0.087 0.085 0.077 0.078 15.26
34) ethyl acetate
0.052 0.048 0.050 0.053 0.052 0.053 0.043 0.050 7.61
35) 2,2-dichloropropane
0.535 0.537 0.646 0.528 0.556 0.519 0.549 0.501 0.543 0.546 7.49
36) cis-1,2-dichloroethene
0.381 0.386 0.406 0.385 0.402 0.360 0.389 0.379 0.373 0.384 3.64
37) propionitrile
0.042 0.043 0.043 0.046 0.044 0.044 0.042 0.043 0.043 2.87
38) bromochloromethane
0.229 0.226 0.206 0.232 0.240 0.221 0.238 0.222 0.209 0.225 5.30
39) tetrahydrofuran
0.136 0.111 0.101 0.100 0.095 0.097 0.107 14.38
40) chloroform
0.701 0.669 0.629 0.658 0.638 0.616 0.737 0.664 6.43
41) tert-butyl formate
0.174 0.197 0.211 0.237 0.187 0.241 0.191 0.173 0.201 13.11
42) isobutyl alcohol
0.048 0.050 0.046 0.050 0.049 0.046 0.052 0.049 4.34
43) dibromofluoromethane (s)
0.534 0.527 0.519 0.535 0.536 0.526 0.546 0.541 0.530 0.530 0.532 1.47
44) methacrylonitrile
0.127 0.117 0.126 0.133 0.126 0.123 0.104 0.122 7.73
45) 1,1,1-trichloroethane
0.502 0.528 0.501 0.538 0.561 0.438 0.543 0.518 0.523 0.517 6.80
46) cyclohexane
0.514 0.506 0.451 0.502 0.531 0.525 0.504 0.491 0.505 0.503 4.57
47) 1,1-dichloropropene
0.169 0.183 0.172 0.167 0.173 0.171 0.164 0.161 0.167 0.170 3.76
48) tert-amyl alcohol
0.027 0.031 0.030 0.031 0.031 0.028 0.029 6.15
49) carbon tetrachloride
0.482 0.463 0.451 0.469 0.457 0.429 0.486 0.462 4.19

50) I 1,4-difluorobenzene ----------ISTD----------
51) 1,2-dichloroethane-d4 (s)
0.306 0.306 0.306 0.302 0.304 0.304 0.302 0.309 0.305 0.310 0.305 0.92

Initial Calibration Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: V3C8247-ICC8247
Lab FileID: 3C189358.D

52) 2,2,4-trimethylpentane
0.754 0.747 0.783 0.696 0.743 0.735 0.686 0.705 0.749 0.733 4.31
53) tert-amyl methyl ether
0.634 0.631 0.603 0.633 0.669 0.614 0.655 0.605 0.589 0.660 0.629 4.22
54) n-butyl alcohol
0.005 0.005 0.006 0.006 0.005 0.006 0.005 0.005 0.006 8.07
55) benzene
0.811 0.773 0.788 0.763 0.785 0.766 0.757 0.740 0.778 0.766 0.773 2.51
56) heptane
0.160 0.158 0.146 0.144 0.148 0.154 0.138 0.140 0.149 0.149 5.11
57) isopropyl acetate
0.173 0.177 0.181 0.193 0.154 0.190 0.173 0.150 0.174 8.86
58) 1,2-dichloroethane
0.273 0.262 0.311 0.261 0.272 0.279 0.265 0.248 0.270 0.271 6.44
59) trichloroethene
0.203 0.194 0.208 0.193 0.204 0.212 0.196 0.186 0.191 0.199 4.34
60) ethyl acrylate
0.237 0.236 0.231 0.242 0.221 0.235 0.225 0.210 0.230 4.54
61) 2-nitropropane
0.054 0.047 0.050 0.055 0.053 0.041 0.048 0.050 9.76
62) 2-chloroethyl vinyl ether
0.110 0.106 0.106 0.107 0.111 0.098 0.108 0.102 0.096 0.094 0.104 5.83
63) methyl methacrylate
0.044 0.046 0.048 0.050 0.048 0.045 0.034 0.045 11.79
64) 1,2-dichloropropane
0.196 0.198 0.223 0.196 0.206 0.191 0.198 0.191 0.184 0.198 5.59
65) methylcyclohexane
0.353 0.340 0.364 0.320 0.339 0.330 0.319 0.315 0.331 0.335 4.84
66) dibromomethane
0.117 0.119 0.128 0.117 0.124 0.116 0.116 0.110 0.108 0.117 5.19
67) bromodichloromethane
0.258 0.249 0.265 0.264 0.280 0.241 0.275 0.251 0.258 0.260 4.81
68) epichlorohydrin
0.017 0.017 0.018 0.019 0.018 0.016 0.015 0.017 7.17
69) cis-1,3-dichloropropene
0.341 0.332 0.354 0.350 0.370 0.306 0.364 0.328 0.309 0.339 6.68
70) 4-methyl-2-pentanone
0.032 0.031 0.031 0.032 0.027 0.031 0.029 0.028 0.030 6.02
71) 3-methyl-1-butanol
0.008 0.008 0.008 0.009 0.008 0.009 0.008 0.006 0.008 10.49

72) I chlorobenzene-d5 ----------ISTD----------
73) toluene-d8 (s)
1.373 1.366 1.377 1.359 1.344 1.367 1.336 1.351 1.367 1.347 1.359 1.01
74) toluene
0.588 0.564 0.608 0.555 0.567 0.558 0.548 0.541 0.581 0.568 3.73
75) trans-1,3-dichloropropene
0.339 0.330 0.332 0.351 0.375 0.316 0.370 0.322 0.300 0.337 7.31
76) ethyl methacrylate
0.266 0.267 0.252 0.275 0.289 0.236 0.281 0.264 0.248 0.264 6.30
77) 1,1,2-trichloroethane
0.169 0.163 0.184 0.164 0.171 0.149 0.168 0.160 0.150 0.164 6.63
78) 2-hexanone
0.079 0.077 0.070 0.076 0.077 0.067 0.074 0.072 0.067 0.073 6.25
79) tetrachloroethene
0.234 0.222 0.213 0.223 0.227 0.233 0.217 0.220 0.235 0.226 0.225 3.30
80) 1,3-dichloropropane
0.338 0.346 0.310 0.340 0.355 0.346 0.349 0.332 0.336 0.339 3.82
81) butyl acetate
0.151 0.138 0.136 0.137 0.149 0.133 0.130 0.147 0.140 5.54

Initial Calibration Summary

Job Number: JE1536 **Sample:** V3C8247-ICC8247
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 3C189358.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

82) dibromochloromethane
0.206 0.214 0.212 0.232 0.246 0.205 0.243 0.216 0.198 0.214 0.219 7.35
83) 1,2-dibromoethane
0.202 0.188 0.215 0.195 0.203 0.160 0.199 0.185 0.183 0.192 8.17
84) n-butyl ether
1.006 0.999 0.981 0.973 1.020 0.978 0.992 0.982 0.976 0.990 1.59
85) chlorobenzene
0.663 0.629 0.661 0.634 0.655 0.627 0.640 0.630 0.655 0.644 2.25
86) 1,1,1,2-tetrachloroethane
0.225 0.215 0.219 0.229 0.239 0.210 0.238 0.219 0.197 0.221 6.09
87) ethylbenzene
1.128 1.099 1.149 1.063 1.112 1.078 1.081 1.033 1.100 1.172 1.102 3.73
88) m,p-xylene
0.437 0.440 0.454 0.417 0.431 0.414 0.420 0.407 0.430 0.470 0.432 4.44
89) o-xylene
0.887 0.891 1.036 0.865 0.910 0.849 0.903 0.843 0.865 0.976 0.902 6.70
90) styrene
0.726 0.721 0.728 0.715 0.752 0.721 0.748 0.690 0.686 0.793 0.728 4.28
91) bromoform
0.135 0.129 0.131 0.146 0.158 0.131 0.161 0.130 0.110 0.137 11.46
92) butyl acrylate
0.414 0.395 0.386 0.423 0.449 0.396 0.447 0.386 0.370 0.378 0.404 6.86
93) isopropylbenzene
1.006 0.991 1.049 0.969 1.017 0.984 1.009 0.944 0.965 1.109 1.004 4.72
94) cis-1,4-dichloro-2-butene
0.081 0.083 0.088 0.097 0.074 0.099 0.082 0.077 0.085 10.49

95) I 1,4-dichlorobenzene-d ----------ISTD----------
96) 4-bromofluorobenzene (s)
0.937 0.934 0.945 0.929 0.917 0.937 0.918 0.934 0.942 0.941 0.933 1.02
97) bromobenzene
0.518 0.476 0.489 0.492 0.493 0.509 0.488 0.472 0.458 0.488 3.77
98) 1,1,2,2-tetrachloroethane
0.496 0.453 0.442 0.463 0.477 0.456 0.463 0.444 0.431 0.516 0.464 5.58
99) trans-1,4-dichloro-2-butene
0.062 0.074 0.080 0.084 0.084 0.071 0.059 0.073 13.52
100) 1,2,3-trichloropropane
0.133 0.148 0.134 0.139 0.142 0.134 0.129 0.122 0.135 5.86
101) n-propylbenzene
2.486 2.386 2.637 2.304 2.365 2.526 2.299 2.272 2.461 2.415 5.03
102) 2-chlorotoluene
0.474 0.472 0.446 0.456 0.466 0.449 0.453 0.444 0.438 0.486 0.458 3.35
103) 4-chlorotoluene
0.538 0.492 0.552 0.479 0.499 0.513 0.486 0.486 0.501 0.505 4.90
104) 1,3,5-trimethylbenzene
1.674 1.676 1.830 1.632 1.698 1.725 1.685 1.580 1.651 1.683 4.08
105) tert-butylbenzene
1.468 1.489 1.525 1.421 1.460 1.439 1.429 1.386 1.380 1.444 3.26
106) 1,2,4-trimethylbenzene
1.777 1.716 1.904 1.723 1.803 1.717 1.767 1.672 1.662 1.749 4.25
107) sec-butylbenzene
2.239 2.205 2.391 2.117 2.215 2.123 2.157 2.071 2.116 2.182 4.39
108) 1,3-dichlorobenzene
1.050 1.008 1.142 0.984 1.028 1.083 0.989 0.956 1.018 1.029 5.53
109) p-isopropyltoluene
1.897 1.855 1.963 1.812 1.932 1.944 1.862 1.767 1.792 1.869 3.73
110) 1,4-dichlorobenzene
1.085 1.036 1.258 1.006 1.050 1.179 1.020 0.980 1.022 1.071 8.49
111) 1,2,3-trimethylbenzene
1.859 1.821 2.047 1.824 1.913 1.849 1.874 1.762 1.831 1.864 4.30

Initial Calibration Summary

Job Number: JE1536 **Sample:** V3C8247-ICC8247
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 3C189358.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

```
112)  1,2-dichlorobenzene
       1.018 0.978 1.147 0.958 1.000 0.968 0.966 0.933 0.971        0.993    6.30
113)  n-butylbenzene
       0.987 0.939 1.056 0.933 0.986 0.965 0.951 0.915 0.937        0.963    4.41
114)  1,2-dibromo-3-chloropropane
       0.096 0.102       0.114 0.116 0.101 0.111 0.104 0.093        0.105    7.79
115)  1,3,5-trichlorobenzene
       0.783 0.717       0.727 0.767 0.766 0.713 0.716 0.743        0.742    3.68
116)  1,2,4-trichlorobenzene
       0.688 0.668       0.663 0.684 0.659 0.639 0.639 0.637        0.660    3.03
117)  hexachlorobutadiene
       0.343 0.335       0.324 0.332 0.374 0.314 0.328 0.327        0.335    5.36
118)  naphthalene
       1.620 1.574 1.973 1.646 1.659 1.613 1.546 1.572 1.520        1.636    8.21
119)  1,2,3-trichlorobenzene
       0.622 0.612       0.605 0.625 0.608 0.584 0.587 0.573        0.602    3.14
120)  hexachloroethane
       0.242 0.222       0.254 0.273 0.204 0.270 0.234 0.207        0.238   11.19
121)  benzyl chloride
       0.839 0.842 0.806 0.960 1.025 0.787 1.007 0.876 0.765        0.878   10.96
122)  2-methylnaphthalene
       0.877 0.821       0.924 0.949 1.032 0.879 0.846 0.864        0.899    7.48

123)     pentafluorobenzene(a) ----------------ISTD---------------------
124)  vinyl bromide
                                                                     0.000   -1.00
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           M3C8247.M         Mon Aug 19 11:22:06 2024
```

Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: V3C8247-ICV8247
Lab FileID: 3C189363.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\V3C8247\3C189363.D Vial: 15
Acq On : 17 Aug 2024 1:40 am Operator: PrashanS
Sample : ICV8247-50 Inst : GCMS3C
Misc : MS83977,V3C8247,5.0,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\M3C8247.M (RTE Integrator)
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
Last Update : Mon Aug 19 09:54:16 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	107	0.00	2.22
2		ethanol	0.145	0.153	-5.5	102	0.00	1.70
3		tertiary butyl alcohol	0.895	0.867	3.1	99	0.00	2.28
4		1,4-dioxane	0.105	0.110	-4.8	104	0.00	4.74
5	I	pentafluorobenzene	1.000	1.000	0.0	104	0.00	3.56
6		dichlorodifluoromethane	0.537	0.400	25.5	79	0.00	0.93
7		chlorodifluoromethane		----------NA----------				
8		chloromethane	0.452	0.424	6.2	102	0.00	1.07
9		1,3-butadiene	0.270	0.354	-31.1#	134	0.00	1.13
10		vinyl chloride	0.393	0.365	7.1	97	0.00	1.11
11		bromomethane	0.282	0.267	5.3	108	0.00	1.32
12		chloroethane	0.213	0.227	-6.6	107	0.00	1.38
13		trichlorofluoromethane	0.487	0.447	8.2	95	0.00	1.52
14		ethyl ether	0.194	0.212	-9.3	105	0.00	1.70
15		acrolein	0.028	0.031	-10.7	113	0.00	1.82
16		freon 113	0.237	0.241	-1.7	103	0.00	1.83
17		1,1-dichloroethene	0.267	0.277	-3.7	101	0.00	1.85
18		acetone	0.031	0.028	9.7	96	0.00	1.92
19		acetonitrile	0.043	0.044	-2.3	111	0.00	2.15
		----------	True	Calc.	% Drift	----------		
20		iodomethane	50.000	45.189	9.6	100	0.00	1.96
		----------	AvgRF	CCRF	% Dev	----------		
21		carbon disulfide	1.134	1.000	11.8	97	0.00	1.98
22		methylene chloride	0.397	0.373	6.0	103	0.00	2.21
23		methyl acetate	0.050	0.054	-8.0	107	0.00	2.12
24		methyl tert butyl ether	0.964	1.002	-3.9	104	0.00	2.34
25		trans-1,2-dichloroethene	0.330	0.333	-0.9	102	0.00	2.36
26		hexane	0.566	0.526	7.1	102	0.00	2.49
27		di-isopropyl ether	1.128	1.100	2.5	99	0.00	2.67
28		ethyl tert-butyl ether	1.075	1.073	0.2	99	0.00	2.93
29		2-butanone	0.037	0.038	-2.7	103	0.00	3.14
30		1,1-dichloroethane	0.620	0.608	1.9	102	0.00	2.68
31		chloroprene	0.504	0.523	-3.8	103	0.00	2.72
32		acrylonitrile	0.093	0.099	-6.5	105	0.00	2.42
33		vinyl acetate	0.078	0.076	2.6	97	0.00	2.71
34		ethyl acetate	0.050	0.050	0.0	104	0.00	3.16
35		2,2-dichloropropane	0.546	0.518	5.1	102	0.00	3.09
36		cis-1,2-dichloroethene	0.384	0.380	1.0	103	0.00	3.13
37		propionitrile	0.043	0.043	0.0	104	0.00	3.25

Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: V3C8247-ICV8247
Lab FileID: 3C189363.D

38		bromochloromethane	0.225	0.231	-2.7	103	0.00	3.32
39		tetrahydrofuran	0.107	0.096	10.3	99	0.00	3.32
40		chloroform	0.664	0.621	6.5	103	0.00	3.38
41		tert-butyl formate	0.201	0.247	-22.9	122	0.00	3.38
42		isobutyl alcohol	0.049	0.047	4.1	105	0.00	3.77
43	S	dibromofluoromethane (s)	0.532	0.532	0.0	104	0.00	3.51
44		methacrylonitrile	0.122	0.127	-4.1	105	0.00	3.34
45		1,1,1-trichloroethane	0.517	0.535	-3.5	104	0.00	3.48
46		cyclohexane	0.503	0.542	-7.8	112	0.00	3.46
47		1,1-dichloropropene	0.170	0.166	2.4	104	0.00	3.61
48		tert-amyl alcohol	0.029	0.029	0.0	102	0.00	3.84
49		carbon tetrachloride	0.462	0.432	6.5	100	0.00	3.58
50	I	1,4-difluorobenzene	1.000	1.000	0.0	104	0.00	4.17
51	S	1,2-dichloroethane-d4 (s)	0.305	0.300	1.6	103	0.00	3.80
52		2,2,4-trimethylpentane	0.733	0.683	6.8	102	0.00	3.76
53		tert-amyl methyl ether	0.629	0.606	3.7	100	0.00	3.85
54		n-butyl alcohol	0.006	0.006	0.0	102	0.00	4.38
55		benzene	0.773	0.752	2.7	103	0.00	3.78
56		heptane	0.149	0.150	-0.7	109	0.00	3.95
57		isopropyl acetate	0.174	0.173	0.6	99	0.00	3.86
58		1,2-dichloroethane	0.271	0.258	4.8	103	0.00	3.87
59		trichloroethene	0.199	0.192	3.5	104	0.00	4.37
60		ethyl acrylate	0.230	0.216	6.1	97	0.00	4.50
61		2-nitropropane	0.050	0.051	-2.0	106	0.00	5.19
62		2-chloroethyl vinyl ether	0.104	0.116	-11.5	113	0.00	5.22
63		methyl methacrylate	0.045	0.049	-8.9	108	0.00	4.73
64		1,2-dichloropropane	0.198	0.195	1.5	104	0.00	4.62
65		methylcyclohexane	0.335	0.336	-0.3	109	0.00	4.47
66		dibromomethane	0.117	0.117	0.0	105	0.00	4.74
67		bromodichloromethane	0.260	0.268	-3.1	106	0.00	4.89
68		epichlorohydrin	0.017	0.018	-5.9	102	0.00	5.31
69		cis-1,3-dichloropropene	0.339	0.345	-1.8	103	0.00	5.35
70		4-methyl-2-pentanone	0.030	0.032	-6.7	108	0.00	5.50
71		3-methyl-1-butanol	0.008	0.008	0.0	102	0.00	5.62
72	I	chlorobenzene-d5	1.000	1.000	0.0	103	0.00	6.92
73	S	toluene-d8 (s)	1.359	1.374	-1.1	104	0.00	5.55
74		toluene	0.568	0.547	3.7	101	0.00	5.62
75		trans-1,3-dichloropropene	0.337	0.354	-5.0	104	0.00	5.94
76		ethyl methacrylate	0.264	0.259	1.9	97	0.00	5.98
77		1,1,2-trichloroethane	0.164	0.168	-2.4	106	0.00	6.10
78		2-hexanone	0.073	0.075	-2.7	101	0.00	6.32
79		tetrachloroethene	0.225	0.265	-17.8	122	0.00	6.12
80		1,3-dichloropropane	0.339	0.345	-1.8	104	0.00	6.25
81		butyl acetate	0.140	0.137	2.1	103	0.00	6.42
82		dibromochloromethane	0.219	0.230	-5.0	102	0.00	6.43
83		1,2-dibromoethane	0.192	0.201	-4.7	106	0.00	6.53
84		n-butyl ether	0.990	0.988	0.2	104	0.00	7.02
85		chlorobenzene	0.644	0.631	2.0	102	0.00	6.94
86		1,1,1,2-tetrachloroethane	0.221	0.229	-3.6	103	0.00	7.03
87		ethylbenzene	1.102	1.082	1.8	105	0.00	7.02
88		m,p-xylene	0.432	0.420	2.8	104	0.00	7.13
89		o-xylene	0.902	0.897	0.6	107	0.00	7.47
90		styrene	0.728	0.676	7.1	97	0.00	7.50
91		bromoform	0.137	0.143	-4.4	101	0.00	7.67
92		butyl acrylate	0.404	0.425	-5.2	103	0.00	7.48
93		isopropylbenzene	1.004	1.031	-2.7	109	0.00	7.77
94		cis-1,4-dichloro-2-butene	0.085	0.083	2.4	97	0.00	7.91

Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: V3C8247-ICV8247
Lab FileID: 3C189363.D

95	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	104	0.00	8.87
96	S	4-bromofluorobenzene (s)	0.933	0.926	0.8	104	0.00	7.94
97		bromobenzene	0.488	0.485	0.6	103	0.00	8.04
98		1,1,2,2-tetrachloroethane	0.464	0.454	2.2	102	0.00	8.11
99		trans-1,4-dichloro-2-bute	0.073	0.082	-12.3	106	0.00	8.16
100		1,2,3-trichloropropane	0.135	0.135	0.0	105	0.00	8.14
101		n-propylbenzene	2.415	2.287	5.3	103	0.00	8.12
102		2-chlorotoluene	0.458	0.452	1.3	103	0.00	8.20
103		4-chlorotoluene	0.505	0.481	4.8	105	0.00	8.30
104		1,3,5-trimethylbenzene	1.683	1.614	4.1	103	0.00	8.27
105		tert-butylbenzene	1.444	1.405	2.7	103	0.00	8.52
106		1,2,4-trimethylbenzene	1.749	1.718	1.8	104	0.00	8.57
107		sec-butylbenzene	2.182	2.119	2.9	104	0.00	8.70
108		1,3-dichlorobenzene	1.029	0.971	5.6	103	0.00	8.81
109		p-isopropyltoluene	1.869	1.809	3.2	104	0.00	8.82
110		1,4-dichlorobenzene	1.071	0.966	9.8	100	0.00	8.90
111		1,2,3-trimethylbenzene		----------NA----------				
112		1,2-dichlorobenzene	0.993	0.931	6.2	101	0.00	9.19
113		n-butylbenzene	0.963	0.924	4.0	103	0.00	9.15
114		1,2-dibromo-3-chloropropa	0.105	0.108	-2.9	99	0.00	9.82
115		1,3,5-trichlorobenzene	0.742	0.748	-0.8	107	0.00	9.94
116		1,2,4-trichlorobenzene	0.660	0.638	3.3	100	0.00	10.43
117		hexachlorobutadiene	0.335	0.316	5.7	102	0.00	10.52
118		naphthalene	1.636	1.594	2.6	101	0.00	10.62
119		1,2,3-trichlorobenzene	0.602	0.601	0.2	104	0.00	10.80
120		hexachloroethane	0.238	0.253	-6.3	104	0.00	9.35
121		benzyl chloride	0.878	0.910	-3.6	99	0.00	9.01
122		2-methylnaphthalene	0.899	0.921	-2.4	104	0.00	11.47
123		pentafluorobenzene(a)	1.000	1.000	0.0	104	0.00	3.56
124		vinyl bromide		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3C189358.D M3C8247.M Mon Aug 19 09:57:17 2024

Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: V3C8247-ICV8247
Lab FileID: 3C189364.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\V3C8247\3C189364.D Vial: 16
Acq On : 17 Aug 2024 2:06 am Operator: PrashanS
Sample : ICV8247-50 Inst : GCMS3C
Misc : MS83977,V3C8247,5.0,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\M3C8247.M (RTE Integrator)
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
Last Update : Mon Aug 19 09:54:16 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	95	0.00	2.22
2		ethanol		----------NA----------				
3		tertiary butyl alcohol		----------NA----------				
4		1,4-dioxane		----------NA----------				
5	I	pentafluorobenzene	1.000	1.000	0.0	99	0.00	3.56
6		dichlorodifluoromethane		----------NA----------				
7		chlorodifluoromethane	0.464	0.496	-6.9	111	0.00	0.96
8		chloromethane		----------NA----------				
9		1,3-butadiene		----------NA----------				
10		vinyl chloride		----------NA----------				
11		bromomethane		----------NA----------				
12		chloroethane		----------NA----------				
13		trichlorofluoromethane		----------NA----------				
14		ethyl ether		----------NA----------				
15		acrolein		----------NA----------				
16		freon 113		----------NA----------				
17		1,1-dichloroethene		----------NA----------				
18		acetone		----------NA----------				
19		acetonitrile	0.043	0.042	2.3	102	0.00	2.15
		----------	True	Calc.	% Drift	----------		
20		iodomethane		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
21		carbon disulfide		----------NA----------				
22		methylene chloride		----------NA----------				
23		methyl acetate		----------NA----------				
24		methyl tert butyl ether		----------NA----------				
25		trans-1,2-dichloroethene		----------NA----------				
26		hexane		----------NA----------				
27		di-isopropyl ether		----------NA----------				
28		ethyl tert-butyl ether		----------NA----------				
29		2-butanone		----------NA----------				
30		1,1-dichloroethane		----------NA----------				
31		chloroprene		----------NA----------				
32		acrylonitrile	0.093	0.117	-25.8	119	0.00	2.42
33		vinyl acetate		----------NA----------				
34		ethyl acetate		----------NA----------				
35		2,2-dichloropropane		----------NA----------				
36		cis-1,2-dichloroethene		----------NA----------				
37		propionitrile		----------NA----------				

Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: V3C8247-ICV8247
Lab FileID: 3C189364.D

38		bromochloromethane		----------NA----------					
39		tetrahydrofuran		----------NA----------					
40		chloroform		----------NA----------					
41		tert-butyl formate		----------NA----------					
42		isobutyl alcohol		----------NA----------					
43	S	dibromofluoromethane (s)	0.532	0.521	2.1	97	0.00	3.51	
44		methacrylonitrile		----------NA----------					
45		1,1,1-trichloroethane		----------NA----------					
46		cyclohexane		----------NA----------					
47		1,1-dichloropropene		----------NA----------					
48		tert-amyl alcohol		----------NA----------					
49		carbon tetrachloride		----------NA----------					
50	I	1,4-difluorobenzene	1.000	1.000	0.0	95	0.00	4.17	
51	S	1,2-dichloroethane-d4 (s)	0.305	0.304	0.3	96	0.00	3.80	
52		2,2,4-trimethylpentane		----------NA----------					
53		tert-amyl methyl ether		----------NA----------					
54		n-butyl alcohol		----------NA----------					
55		benzene		----------NA----------					
56		heptane		----------NA----------					
57		isopropyl acetate		----------NA----------					
58		1,2-dichloroethane		----------NA----------					
59		trichloroethene		----------NA----------					
60		ethyl acrylate		----------NA----------					
61		2-nitropropane		----------NA----------					
62		2-chloroethyl vinyl ether		----------NA----------					
63		methyl methacrylate		----------NA----------					
64		1,2-dichloropropane		----------NA----------					
65		methylcyclohexane		----------NA----------					
66		dibromomethane		----------NA----------					
67		bromodichloromethane		----------NA----------					
68		epichlorohydrin		----------NA----------					
69		cis-1,3-dichloropropene		----------NA----------					
70		4-methyl-2-pentanone		----------NA----------					
71		3-methyl-1-butanol		----------NA----------					
72	I	chlorobenzene-d5	1.000	1.000	0.0	98	0.00	6.92	
73	S	toluene-d8 (s)	1.359	1.355	0.3	97	0.00	5.55	
74		toluene		----------NA----------					
75		trans-1,3-dichloropropene		----------NA----------					
76		ethyl methacrylate		----------NA----------					
77		1,1,2-trichloroethane		----------NA----------					
78		2-hexanone		----------NA----------					
79		tetrachloroethene	0.225	0.225	0.0	98	0.00	6.12	
80		1,3-dichloropropane		----------NA----------					
81		butyl acetate		----------NA----------					
82		dibromochloromethane		----------NA----------					
83		1,2-dibromoethane		----------NA----------					
84		n-butyl ether		----------NA----------					
85		chlorobenzene		----------NA----------					
86		1,1,1,2-tetrachloroethane		----------NA----------					
87		ethylbenzene		----------NA----------					
88		m,p-xylene		----------NA----------					
89		o-xylene		----------NA----------					
90		styrene		----------NA----------					
91		bromoform		----------NA----------					
92		butyl acrylate		----------NA----------					
93		isopropylbenzene		----------NA----------					
94		cis-1,4-dichloro-2-butene		----------NA----------					

Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: V3C8247-ICV8247
Lab FileID: 3C189364.D

95	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	96	0.00	8.87
96	S	4-bromofluorobenzene (s)	0.933	0.917	1.7	95	0.00	7.94
97		bromobenzene		----------NA----------				
98		1,1,2,2-tetrachloroethane		----------NA----------				
99		trans-1,4-dichloro-2-bute		----------NA----------				
100		1,2,3-trichloropropane		----------NA----------				
101		n-propylbenzene		----------NA----------				
102		2-chlorotoluene		----------NA----------				
103		4-chlorotoluene		----------NA----------				
104		1,3,5-trimethylbenzene		----------NA----------				
105		tert-butylbenzene		----------NA----------				
106		1,2,4-trimethylbenzene		----------NA----------				
107		sec-butylbenzene		----------NA----------				
108		1,3-dichlorobenzene		----------NA----------				
109		p-isopropyltoluene		----------NA----------				
110		1,4-dichlorobenzene		----------NA----------				
111		1,2,3-trimethylbenzene	1.864	2.008	-7.7	106	0.00	8.91
112		1,2-dichlorobenzene		----------NA----------				
113		n-butylbenzene		----------NA----------				
114		1,2-dibromo-3-chloropropa		----------NA----------				
115		1,3,5-trichlorobenzene		----------NA----------				
116		1,2,4-trichlorobenzene		----------NA----------				
117		hexachlorobutadiene		----------NA----------				
118		naphthalene		----------NA----------				
119		1,2,3-trichlorobenzene		----------NA----------				
120		hexachloroethane		----------NA----------				
121		benzyl chloride		----------NA----------				
122		2-methylnaphthalene		----------NA----------				
123		pentafluorobenzene(a)	1.000	1.000	0.0	99	0.00	3.56
124		vinyl bromide		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3C189358.D M3C8247.M Mon Aug 19 10:01:27 2024

Continuing Calibration Summary

Job Number: JE1536 **Sample:** V3C8319-CC8247
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 3C191291.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\k...24\V3C8319\3C191291.D Vial: 4
Acq On : 2 Dec 2024 11:51 am Operator: PrashanS
Sample : CC8247-50 Inst : GCMS3C
Misc : MS87521,V3C8319,5.0,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\M3C8247.M (RTE Integrator)
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
Last Update : Mon Aug 19 09:54:16 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	114	0.00	2.22
2		ethanol	0.145	0.208	-43.4#	148	0.00	1.70
3		tertiary butyl alcohol	0.895	0.987	-10.3	120	0.00	2.27
4		1,4-dioxane	0.105	0.124	-18.1	126	0.00	4.74
5	I	pentafluorobenzene	1.000	1.000	0.0	150	0.00	3.55
6		dichlorodifluoromethane	0.537	0.428	20.3#	122	0.00	0.93
7		chlorodifluoromethane	0.464	0.446	3.9	151	0.00	0.96
8		chloromethane	0.452	0.464	-2.7	162	0.00	1.07
9		1,3-butadiene	0.270	0.294	-8.9	161	0.00	1.13
10		vinyl chloride	0.393	0.387	1.5	149	0.00	1.11
11		bromomethane	0.282	0.324	-14.9	191	0.00	1.32
12		chloroethane	0.213	0.248	-16.4	169	0.00	1.38
13		trichlorofluoromethane	0.487	0.475	2.5	146	0.00	1.51
14		ethyl ether	0.194	0.194	0.0	139	0.00	1.70
15		acrolein	0.028	0.059	-110.7#	309#	0.00	1.82
16		freon 113	0.237	0.230	3.0	142	0.00	1.82
17		1,1-dichloroethene	0.267	0.244	8.6	128	0.00	1.85
18		acetone	0.031	0.027	12.9	131	0.00	1.92
19		acetonitrile	0.043	0.043	0.0	156	0.00	2.15
		----------	True	Calc.	% Drift	----------		
20		iodomethane	50.000	46.638	6.7	150	0.00	1.96
		----------	AvgRF	CCRF	% Dev	----------		
21		carbon disulfide	1.134	0.931	17.9	131	0.00	1.98
22		methylene chloride	0.397	0.338	14.9	134	0.00	2.21
23		methyl acetate	0.050	0.044	12.0	126	0.00	2.12
24		methyl tert butyl ether	0.964	0.856	11.2	128	0.00	2.33
25		trans-1,2-dichloroethene	0.330	0.306	7.3	136	0.00	2.35
26		hexane	0.566	0.519	8.3	145	0.00	2.48
27		di-isopropyl ether	1.128	1.240	-9.9	160	0.00	2.67
28		ethyl tert-butyl ether	1.075	1.066	0.8	143	0.00	2.93
29		2-butanone	0.037	0.032	13.5	125	0.00	3.14
30		1,1-dichloroethane	0.620	0.585	5.6	142	0.00	2.68
31		chloroprene	0.504	0.511	-1.4	145	0.00	2.71
32		acrylonitrile	0.093	0.115	-23.7#	176	0.00	2.41
33		vinyl acetate	0.078	0.069	11.5	128	0.00	2.70
34		ethyl acetate	0.050	0.051	-2.0	153	0.00	3.15
35		2,2-dichloropropane	0.546	0.428	21.6#	122	0.00	3.09
36		cis-1,2-dichloroethene	0.384	0.351	8.6	137	0.00	3.12
37		propionitrile	0.043	0.043	0.0	148	0.00	3.24

Continuing Calibration Summary

Job Number: JE1536 **Sample:** V3C8319-CC8247
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 3C191291.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

38		bromochloromethane	0.225	0.223	0.9	145	0.00	3.32
39		tetrahydrofuran	0.107	0.098	8.4	146	0.00	3.31
40		chloroform	0.664	0.571	14.0	137	0.00	3.37
41		tert-butyl formate	0.201	0.089	55.7#	63	0.00	3.37
42		isobutyl alcohol	0.049	0.044	10.2	145	0.00	3.77
43	S	dibromofluoromethane (s)	0.532	0.489	8.1	138	0.00	3.51
44		methacrylonitrile	0.122	0.116	4.9	139	0.00	3.33
45		1,1,1-trichloroethane	0.517	0.482	6.8	135	0.00	3.47
46		cyclohexane	0.503	0.425	15.5	127	0.00	3.46
47		1,1-dichloropropene	0.170	0.154	9.4	139	0.00	3.61
48		tert-amyl alcohol	0.029	0.020	31.0#	104	0.00	3.83
49		carbon tetrachloride	0.462	0.429	7.1	143	0.00	3.58
50	I	1,4-difluorobenzene	1.000	1.000	0.0	136	0.00	4.16
51	S	1,2-dichloroethane-d4 (s)	0.305	0.304	0.3	137	0.00	3.80
52		2,2,4-trimethylpentane	0.733	0.763	-4.1	149	0.00	3.76
53		tert-amyl methyl ether	0.629	0.581	7.6	125	0.00	3.85
54		n-butyl alcohol	0.006	0.005	16.7	125	0.00	4.38
55		benzene	0.773	0.768	0.6	137	0.00	3.78
56		heptane	0.149	0.160	-7.4	151	0.00	3.94
57		isopropyl acetate	0.174	0.170	2.3	128	0.00	3.85
58		1,2-dichloroethane	0.271	0.273	-0.7	142	0.00	3.86
59		trichloroethene	0.199	0.190	4.5	134	0.00	4.37
60		ethyl acrylate	0.230	0.231	-0.4	136	0.00	4.50
61		2-nitropropane	0.050	0.042	16.0	115	0.00	5.19
62		2-chloroethyl vinyl ether	0.104	0.106	-1.9	135	0.00	5.22
63		methyl methacrylate	0.045	0.046	-2.2	130	0.00	4.72
64		1,2-dichloropropane	0.198	0.210	-6.1	146	0.00	4.61
65		methylcyclohexane	0.335	0.306	8.7	130	0.00	4.46
66		dibromomethane	0.117	0.115	1.7	134	0.00	4.74
67		bromodichloromethane	0.260	0.266	-2.3	137	0.00	4.89
68		epichlorohydrin	0.017	0.019	-11.8	142	0.00	5.30
69		cis-1,3-dichloropropene	0.339	0.341	-0.6	132	0.00	5.35
70		4-methyl-2-pentanone	0.030	0.029	3.3	128	0.00	5.50
71		3-methyl-1-butanol	0.008	0.007	12.5	121	0.00	5.61
72	I	chlorobenzene-d5	1.000	1.000	0.0	153	0.00	6.92
73	S	toluene-d8 (s)	1.359	1.184	12.9	133	0.00	5.55
74		toluene	0.568	0.486	14.4	134	0.00	5.62
75		trans-1,3-dichloropropene	0.337	0.300	11.0	131	0.00	5.94
76		ethyl methacrylate	0.264	0.233	11.7	129	0.00	5.98
77		1,1,2-trichloroethane	0.164	0.147	10.4	136	0.00	6.10
78		2-hexanone	0.073	0.070	4.1	141	0.00	6.32
79		tetrachloroethene	0.225	0.214	4.9	147	0.00	6.12
80		1,3-dichloropropane	0.339	0.295	13.0	133	0.00	6.25
81		butyl acetate	0.140	0.124	11.4	139	0.00	6.42
82		dibromochloromethane	0.219	0.231	-5.5	152	0.00	6.43
83		1,2-dibromoethane	0.192	0.180	6.3	141	0.00	6.53
84		n-butyl ether	0.990	0.926	6.5	145	0.00	7.02
85		chlorobenzene	0.644	0.575	10.7	139	0.00	6.95
86		1,1,1,2-tetrachloroethane	0.221	0.210	5.0	140	0.00	7.03
87		ethylbenzene	1.102	0.929	15.7	134	0.00	7.02
88		m,p-xylene	0.432	0.370	14.4	136	0.00	7.13
89		o-xylene	0.902	0.750	16.9	132	0.00	7.47
90		styrene	0.728	0.641	12.0	137	0.00	7.49
91		bromoform	0.137	0.148	-8.0	154	0.00	7.67
92		butyl acrylate	0.404	0.390	3.5	141	0.00	7.48
93		isopropylbenzene	1.004	0.833	17.0	131	0.00	7.77
94		cis-1,4-dichloro-2-butene	0.085	0.082	3.5	144	0.00	7.91

Continuing Calibration Summary

Job Number: JE1536 **Sample:** V3C8319-CC8247
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 3C191291.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

95	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	153	0.00	8.87
96	S	4-bromofluorobenzene (s)	0.933	0.802	14.0	132	0.00	7.94
97		bromobenzene	0.488	0.453	7.2	141	0.00	8.04
98		1,1,2,2-tetrachloroethane	0.464	0.413	11.0	137	0.00	8.11
99		trans-1,4-dichloro-2-bute	0.073	0.064	12.3	121	0.00	8.16
100		1,2,3-trichloropropane	0.135	0.122	9.6	139	0.00	8.14
101		n-propylbenzene	2.415	1.943	19.5	129	0.00	8.11
102		2-chlorotoluene	0.458	0.413	9.8	139	0.00	8.20
103		4-chlorotoluene	0.505	0.440	12.9	141	0.00	8.30
104		1,3,5-trimethylbenzene	1.683	1.391	17.3	131	0.00	8.27
105		tert-butylbenzene	1.444	1.261	12.7	136	0.00	8.52
106		1,2,4-trimethylbenzene	1.749	1.467	16.1	130	0.00	8.57
107		sec-butylbenzene	2.182	1.795	17.7	130	0.00	8.70
108		1,3-dichlorobenzene	1.029	0.926	10.0	144	0.00	8.81
109		p-isopropyltoluene	1.869	1.613	13.7	136	0.00	8.82
110		1,4-dichlorobenzene	1.071	0.944	11.9	144	0.00	8.89
111		1,2,3-trimethylbenzene	1.864	1.611	13.6	135	0.00	8.91
112		1,2-dichlorobenzene	0.993	0.897	9.7	144	0.00	9.18
113		n-butylbenzene	0.963	0.751	22.0#	123	0.00	9.14
114		1,2-dibromo-3-chloropropa	0.105	0.098	6.7	131	0.00	9.82
115		1,3,5-trichlorobenzene	0.742	0.696	6.2	147	0.00	9.94
116		1,2,4-trichlorobenzene	0.660	0.633	4.1	146	0.00	10.43
117		hexachlorobutadiene	0.335	0.293	12.5	139	0.00	10.52
118		naphthalene	1.636	1.509	7.8	140	0.00	10.61
119		1,2,3-trichlorobenzene	0.602	0.580	3.7	147	0.00	10.80
120		hexachloroethane	0.238	0.242	-1.7	146	0.00	9.34
121		benzyl chloride	0.878	0.774	11.8	124	0.00	9.01
122		2-methylnaphthalene	0.899	0.762	15.2	126	0.00	11.47
123		pentafluorobenzene(a)	1.000	1.000	0.0	150	0.00	3.55
124		vinyl bromide		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3C189358.D M3C8247.M Mon Dec 02 20:57:30 2024

Continuing Calibration Summary

Job Number: JE1536 **Sample:** V3C8319-CC8247
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 3C191292.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\k...24\V3C8319\3C191292.D Vial: 5
Acq On : 2 Dec 2024 12:28 pm Operator: PrashanS
Sample : CC8247-2 Inst : GCMS3C
Misc : MS87521,V3C8319,5.0,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\M3C8247.M (RTE Integrator)
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
Last Update : Mon Aug 19 09:54:16 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 100% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	115	0.00	2.22
2		ethanol		----------NA----------				
3		tertiary butyl alcohol		----------NA----------				
4		1,4-dioxane		----------NA----------				
5	I	pentafluorobenzene	1.000	1.000	0.0	148	0.00	3.55
6		dichlorodifluoromethane	0.537	0.243	54.7	64	0.00	0.93
7		chlorodifluoromethane		----------NA----------				
8		chloromethane		----------NA----------				
9		1,3-butadiene		----------NA----------				
10		vinyl chloride		----------NA----------				
11		bromomethane		----------NA----------				
12		chloroethane		----------NA----------				
13		trichlorofluoromethane		----------NA----------				
14		ethyl ether		----------NA----------				
15		acrolein		----------NA----------				
16		freon 113		----------NA----------				
17		1,1-dichloroethene		----------NA----------				
18		acetone		----------NA----------				
19		acetonitrile		----------NA----------				
		----------	True	Calc.	% Drift	----------		
20		iodomethane		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
21		carbon disulfide		----------NA----------				
22		methylene chloride		----------NA----------				
23		methyl acetate		----------NA----------				
24		methyl tert butyl ether		----------NA----------				
25		trans-1,2-dichloroethene		----------NA----------				
26		hexane		----------NA----------				
27		di-isopropyl ether		----------NA----------				
28		ethyl tert-butyl ether		----------NA----------				
29		2-butanone		----------NA----------				
30		1,1-dichloroethane		----------NA----------				
31		chloroprene		----------NA----------				
32		acrylonitrile		----------NA----------				
33		vinyl acetate		----------NA----------				
34		ethyl acetate		----------NA----------				
35		2,2-dichloropropane		----------NA----------				
36		cis-1,2-dichloroethene		----------NA----------				
37		propionitrile		----------NA----------				

Continuing Calibration Summary

Job Number: JE1536 **Sample:** V3C8319-CC8247
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 3C191292.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

38		bromochloromethane		----------NA----------				
39		tetrahydrofuran		----------NA----------				
40		chloroform		----------NA----------				
41		tert-butyl formate		----------NA----------				
42		isobutyl alcohol		----------NA----------				
43	S	dibromofluoromethane (s)	0.532	0.491	7.7	137	0.00	3.51
44		methacrylonitrile		----------NA----------				
45		1,1,1-trichloroethane		----------NA----------				
46		cyclohexane		----------NA----------				
47		1,1-dichloropropene		----------NA----------				
48		tert-amyl alcohol	0.029	0.012	58.6	0#	0.01	3.84
49		carbon tetrachloride		----------NA----------				
50	I	1,4-difluorobenzene	1.000	1.000	0.0	137	0.00	4.17
51	S	1,2-dichloroethane-d4 (s)	0.305	0.312	-2.3	140	0.00	3.80
52		2,2,4-trimethylpentane		----------NA----------				
53		tert-amyl methyl ether		----------NA----------				
54		n-butyl alcohol		----------NA----------				
55		benzene		----------NA----------				
56		heptane		----------NA----------				
57		isopropyl acetate		----------NA----------				
58		1,2-dichloroethane		----------NA----------				
59		trichloroethene		----------NA----------				
60		ethyl acrylate		----------NA----------				
61		2-nitropropane		----------NA----------				
62		2-chloroethyl vinyl ether		----------NA----------				
63		methyl methacrylate		----------NA----------				
64		1,2-dichloropropane		----------NA----------				
65		methylcyclohexane		----------NA----------				
66		dibromomethane		----------NA----------				
67		bromodichloromethane		----------NA----------				
68		epichlorohydrin		----------NA----------				
69		cis-1,3-dichloropropene		----------NA----------				
70		4-methyl-2-pentanone		----------NA----------				
71		3-methyl-1-butanol		----------NA----------				
72	I	chlorobenzene-d5	1.000	1.000	0.0	148	0.00	6.92
73	S	toluene-d8 (s)	1.359	1.226	9.8	133	0.00	5.55
74		toluene		----------NA----------				
75		trans-1,3-dichloropropene		----------NA----------				
76		ethyl methacrylate		----------NA----------				
77		1,1,2-trichloroethane		----------NA----------				
78		2-hexanone		----------NA----------				
79		tetrachloroethene		----------NA----------				
80		1,3-dichloropropane		----------NA----------				
81		butyl acetate		----------NA----------				
82		dibromochloromethane		----------NA----------				
83		1,2-dibromoethane		----------NA----------				
84		n-butyl ether		----------NA----------				
85		chlorobenzene		----------NA----------				
86		1,1,1,2-tetrachloroethane		----------NA----------				
87		ethylbenzene		----------NA----------				
88		m,p-xylene		----------NA----------				
89		o-xylene		----------NA----------				
90		styrene		----------NA----------				
91		bromoform		----------NA----------				
92		butyl acrylate		----------NA----------				
93		isopropylbenzene		----------NA----------				
94		cis-1,4-dichloro-2-butene		----------NA----------				

Continuing Calibration Summary

Job Number: JE1536 **Sample:** V3C8319-CC8247
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 3C191292.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

95	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	152	0.00	8.87
96	S	4-bromofluorobenzene (s)	0.933	0.810	13.2	131	0.00	7.94
97		bromobenzene		----------NA----------				
98		1,1,2,2-tetrachloroethane		----------NA----------				
99		trans-1,4-dichloro-2-bute		----------NA----------				
100		1,2,3-trichloropropane		----------NA----------				
101		n-propylbenzene		----------NA----------				
102		2-chlorotoluene		----------NA----------				
103		4-chlorotoluene		----------NA----------				
104		1,3,5-trimethylbenzene		----------NA----------				
105		tert-butylbenzene		----------NA----------				
106		1,2,4-trimethylbenzene		----------NA----------				
107		sec-butylbenzene		----------NA----------				
108		1,3-dichlorobenzene		----------NA----------				
109		p-isopropyltoluene		----------NA----------				
110		1,4-dichlorobenzene		----------NA----------				
111		1,2,3-trimethylbenzene		----------NA----------				
112		1,2-dichlorobenzene		----------NA----------				
113		n-butylbenzene	0.963	0.817	15.2	133	0.00	9.14
114		1,2-dibromo-3-chloropropa		----------NA----------				
115		1,3,5-trichlorobenzene		----------NA----------				
116		1,2,4-trichlorobenzene		----------NA----------				
117		hexachlorobutadiene		----------NA----------				
118		naphthalene		----------NA----------				
119		1,2,3-trichlorobenzene		----------NA----------				
120		hexachloroethane		----------NA----------				
121		benzyl chloride		----------NA----------				
122		2-methylnaphthalene		----------NA----------				
123		pentafluorobenzene(a)	1.000	1.000	0.0	148	0.00	3.55
124		vinyl bromide		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3C189354.D M3C8247.M Mon Dec 02 21:06:36 2024

Run Sequence Report

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: V3C8247	**Method:** SW846 8260D	**Instrument ID:** GCMS3C

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V3C8247-BFB	3C189350.D	08/16/24 19:56	n/a	BFB Tune
V3C8247-IC8247	3C189351.D	08/16/24 20:29	n/a	Initial cal 0.2
V3C8247-IC8247	3C189352.D	08/16/24 20:55	n/a	Initial cal 0.5
V3C8247-IC8247	3C189353.D	08/16/24 21:21	n/a	Initial cal 1
V3C8247-IC8247	3C189354.D	08/16/24 21:47	n/a	Initial cal 2
V3C8247-IC8247	3C189355.D	08/16/24 22:13	n/a	Initial cal 4
V3C8247-IC8247	3C189356.D	08/16/24 22:39	n/a	Initial cal 8
V3C8247-IC8247	3C189357.D	08/16/24 23:04	n/a	Initial cal 20
V3C8247-ICC8247	3C189358.D	08/16/24 23:30	n/a	Initial cal 50
V3C8247-IC8247	3C189359.D	08/16/24 23:56	n/a	Initial cal 100
V3C8247-IC8247	3C189360.D	08/17/24 00:22	n/a	Initial cal 200
V3C8247-ICV8247	3C189363.D	08/17/24 01:40	n/a	Initial cal verification 50
V3C8247-ICV8247	3C189364.D	08/17/24 02:06	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: V3C8319	**Method:** SW846 8260D	**Instrument ID:** GCMS3C

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V3C8319-CC8247	3C191291.D	12/02/24 11:51	n/a	Continuing cal 50
V3C8319-CC8247	3C191292.D	12/02/24 12:28	n/a	Continuing cal 2
V3C8319-BS	3C191293.D	12/02/24 12:53	n/a	Blank Spike
V3C8319-MB	3C191295.D	12/02/24 14:00	n/a	Method Blank
JE1537-1	3C191296.D	12/02/24 14:26	n/a	(used for QC only; not part of job JE1536)
JE1537-8	3C191297.D	12/02/24 14:52	n/a	(used for QC only; not part of job JE1536)
ZZZZZZ	3C191298.D	12/02/24 15:17	n/a	(unrelated sample)
ZZZZZZ	3C191299.D	12/02/24 15:43	n/a	(unrelated sample)
ZZZZZZ	3C191300.D	12/02/24 16:09	n/a	(unrelated sample)
JE1537-1MS	3C191302.D	12/02/24 17:01	n/a	Matrix Spike
JE1537-8DUP	3C191304.D	12/02/24 17:52	n/a	Duplicate
JE1536-1	3C191305.D	12/02/24 18:18	n/a	GRID-29
JE1536-2	3C191306.D	12/02/24 18:44	n/a	GRID-30
JE1536-3	3C191307.D	12/02/24 19:09	n/a	GRID-31
JE1536-4	3C191308.D	12/02/24 19:35	n/a	GRID-32
JE1536-5	3C191309.D	12/02/24 20:01	n/a	GRID-33
JE1536-6	3C191310.D	12/02/24 20:27	n/a	GRID-34
JE1536-7	3C191311.D	12/02/24 20:53	n/a	GRID-35
JE1536-8	3C191312.D	12/02/24 21:18	n/a	GRID-36
ZZZZZZ	3C191313.D	12/02/24 21:44	n/a	(unrelated sample)
ZZZZZZ	3C191314.D	12/02/24 22:10	n/a	(unrelated sample)
ZZZZZZ	3C191315.D	12/02/24 22:36	n/a	(unrelated sample)
ZZZZZZ	3C191316.D	12/02/24 23:01	n/a	(unrelated sample)
ZZZZZZ	3C191317.D	12/02/24 23:27	n/a	(unrelated sample)

MS Volatiles

Raw Data

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191305.D
Acq On : 2 Dec 2024 6:18 pm
Operator : PrashanS
Sample : JE1536-1 Inst : GCMS3C
Misc : MS87633,V3C8319,4.5,,,,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 03 14:42:12 2024
Quant Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
QLast Update : Mon Aug 19 09:54:16 2024
Response via : Initial Calibration

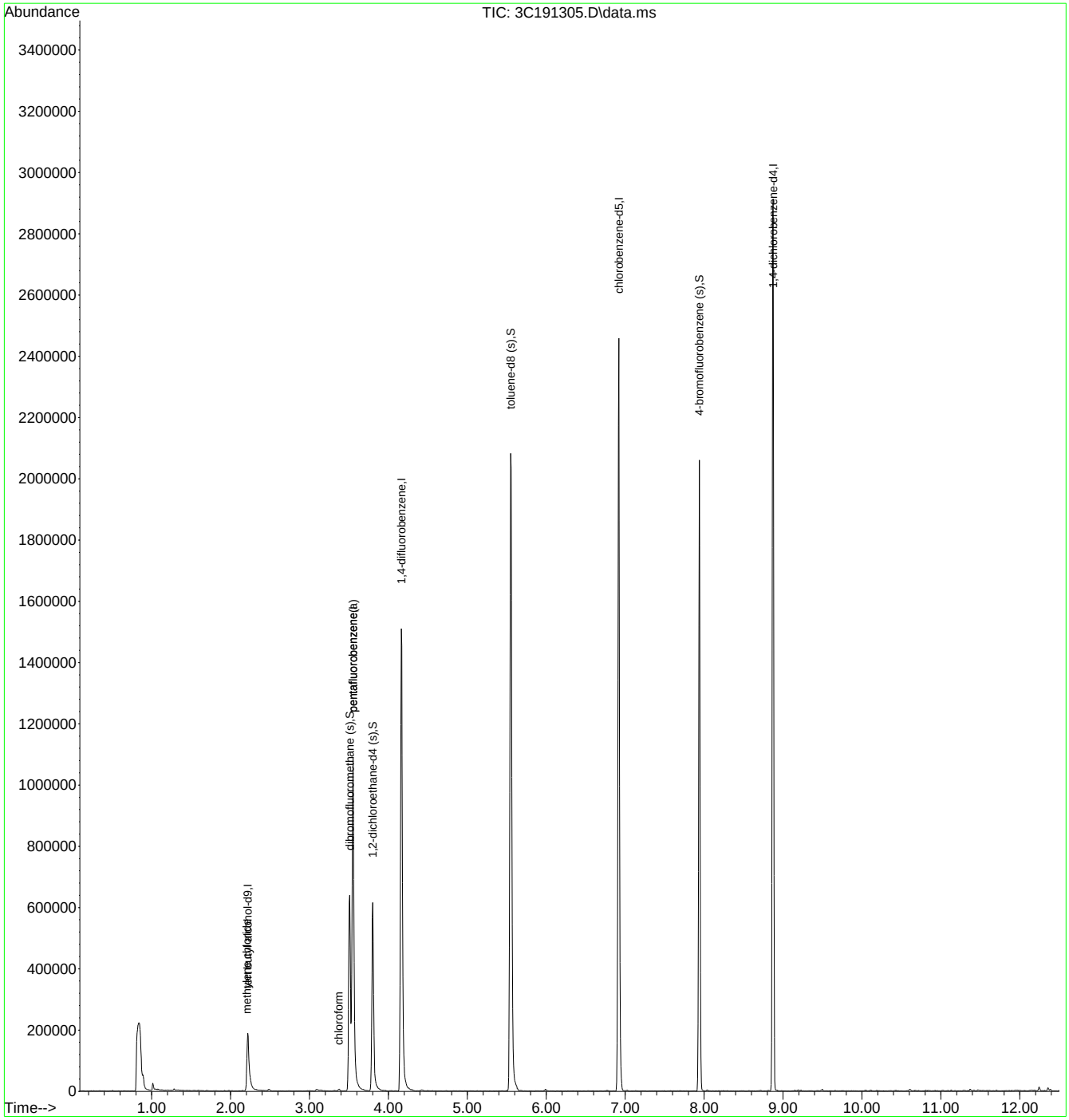
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.217	65	189080	500.00	ug/L	0.00
5) pentafluorobenzene	3.551	168	674693	50.00	ug/L	0.00
50) 1,4-difluorobenzene	4.162	114	1125434	50.00	ug/L	0.00
72) chlorobenzene-d5	6.919	117	1065569	50.00	ug/L	0.00
95) 1,4-dichlorobenzene-d4	8.875	152	575603	50.00	ug/L	0.00
123) pentafluorobenzene(a)	3.551	168	674693	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	3.509	113	330865	46.07	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 92.14%			
51) 1,2-dichloroethane-d4 (s)	3.802	65	346919	50.46	ug/L	0.00
Spiked Amount 50.000	Range 75 - 133		Recovery = 100.92%			
73) toluene-d8 (s)	5.548	98	1294569	44.71	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 89.42%			
96) 4-bromofluorobenzene (s)	7.939	95	470237	43.76	ug/L	0.00
Spiked Amount 50.000	Range 58 - 148		Recovery = 87.52%			
Target Compounds						Qvalue
22) methylene chloride	2.206	84	6068	1.1341	ug/L #	78
40) chloroform	3.367	83	4091	0.4565	ug/L	90

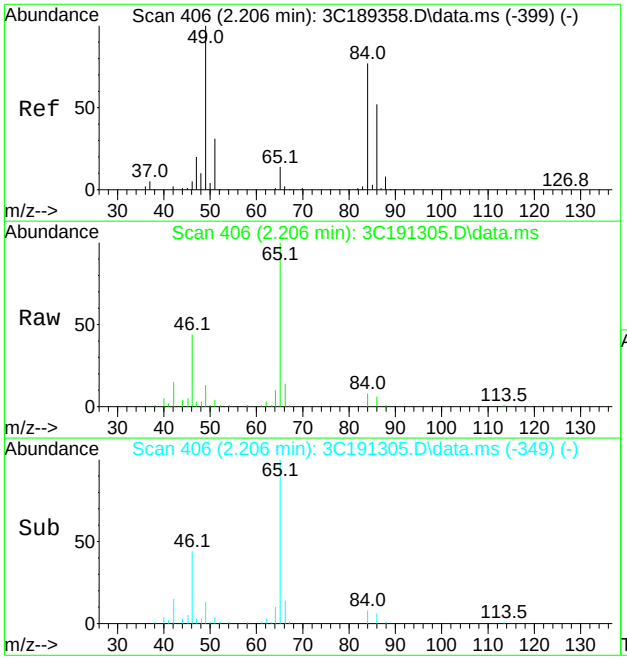
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191305.D
Acq On : 2 Dec 2024 6:18 pm
Operator : PrashanS
Sample : JE1536-1 Inst : GCMS3C
Misc : MS87633,V3C8319,4.5,,,,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 03 14:42:12 2024
Quant Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
QLast Update : Mon Aug 19 09:54:16 2024
Response via : Initial Calibration

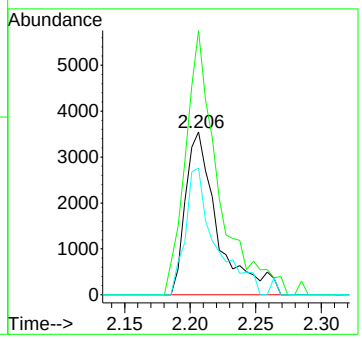


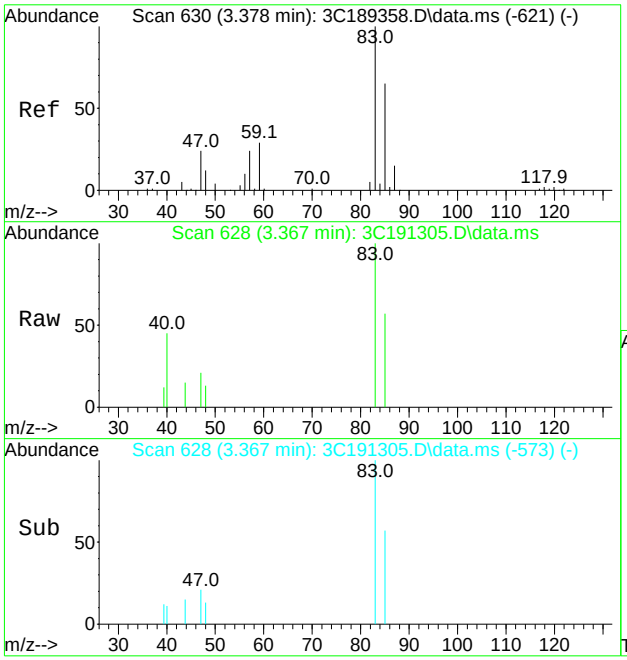


#22
methylene chloride
Concen: 1.1341 ug/L
RT: 2.206 min Scan# 406
Delta R.T. 0.000 min
Lab File: 3C191305.D
Acq: 2 Dec 2024 6:18 pm

Tgt Ion: 84 Resp: 6068

Ion	Ratio	Lower	Upper
84	100		
49	162.4	100.3	160.3#
86	77.9	37.9	97.9

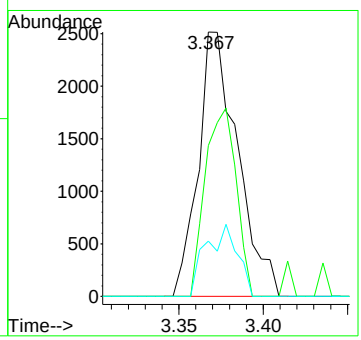




#40
chloroform
Concen: 0.4565 ug/L
RT: 3.367 min Scan# 628
Delta R.T. -0.011 min
Lab File: 3C191305.D
Acq: 2 Dec 2024 6:18 pm

Tgt Ion: 83 Resp: 4091

Ion	Ratio	Lower	Upper
83	100		
85	57.1	34.9	94.9
47	20.9	0.0	55.3



LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191305.D
Acq On : 2 Dec 2024 6:18 pm
Operator : PrashanS
Sample : JE1536-1
Misc : MS87633,V3C8319,4.5,,,,1
ALS Vial : 18 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

Signal : TIC: 3C191305.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	0.266	32	35	41	rVB2	1499	1751	0.05%	0.008%
2	0.507	78	81	86	rVB	2556	2091	0.06%	0.010%
3	0.585	92	96	100	rVB2	967	1595	0.04%	0.008%
4	0.836	132	144	174	rBV3	223307	885722	24.90%	4.222%
5	1.014	174	178	183	rBV	22747	24971	0.70%	0.119%
6	1.286	227	230	234	rVB3	4403	4014	0.11%	0.019%
7	1.699	305	309	320	rVB	2142	5240	0.15%	0.025%
8	1.924	348	352	355	rBV3	2324	1851	0.05%	0.009%
9	1.976	360	362	367	rVV2	2588	2671	0.08%	0.013%
10	2.018	367	370	375	rVB2	1552	1895	0.05%	0.009%
11	2.149	393	395	399	rBV2	1979	1468	0.04%	0.007%
12	2.217	401	408	433	rVV	188780	416387	11.71%	1.985%
13	2.489	454	460	468	rVB5	5587	10355	0.29%	0.049%
14	2.975	551	553	555	rVB	1894	1438	0.04%	0.007%
15	2.996	555	557	566	rBV2	1661	3243	0.09%	0.015%
16	3.090	570	575	581	rBV2	4910	9724	0.27%	0.046%
17	3.263	606	608	613	rVB	1382	1306	0.04%	0.006%
18	3.320	613	619	622	rBV3	2472	4026	0.11%	0.019%
19	3.373	625	629	634	rVB3	5824	7798	0.22%	0.037%
20	3.509	646	655	658	rBV	639586	1006481	28.30%	4.797%
21	3.551	658	663	695	rVB	1089760	1953769	54.93%	9.313%
22	3.802	703	711	735	rBV	615216	1008886	28.36%	4.809%
23	4.021	748	753	754	rBV2	1262	1377	0.04%	0.007%
24	4.084	762	765	771	rBV3	1197	2050	0.06%	0.010%
25	4.162	771	780	817	rVB	1510089	2604764	73.23%	12.415%
26	4.419	825	829	836	rVB3	3487	6576	0.18%	0.031%
27	4.497	842	844	847	rVB2	1380	1335	0.04%	0.006%
28	4.738	886	890	892	rVB	1874	1941	0.05%	0.009%
29	4.827	902	907	911	rBV2	1268	2091	0.06%	0.010%
30	4.910	920	923	926	rBV2	1138	1355	0.04%	0.006%
31	5.125	961	964	968	rBV	1260	1253	0.04%	0.006%
32	5.229	978	984	987	rBV	996	1196	0.03%	0.006%
33	5.412	1013	1019	1021	rVB2	1100	1556	0.04%	0.007%
34	5.496	1033	1035	1037	rVB	2336	1272	0.04%	0.006%
35	5.548	1037	1045	1066	rBV	2082155	3556932	100.00%	16.954%
36	5.800	1092	1093	1102	rVB2	936	1507	0.04%	0.007%
37	5.862	1102	1105	1108	rBV	1453	1471	0.04%	0.007%
38	5.988	1123	1129	1140	rVB3	6136	10185	0.29%	0.049%
39	6.061	1140	1143	1147	rVB2	1202	1547	0.04%	0.007%
40	6.139	1154	1158	1164	rBV	1510	2098	0.06%	0.010%

LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191305.D
Acq On : 2 Dec 2024 6:18 pm
Operator : PrashanS
Sample : JE1536-1
Misc : MS87633,V3C8319,4.5,,,,1
ALS Vial : 18 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

41	6.239	1174	1177	1181	rBV2	958	1453	0.04%	0.007%
42	6.286	1181	1186	1189	rBV	1163	1937	0.05%	0.009%
43	6.427	1212	1213	1219	rBV2	1498	1854	0.05%	0.009%
44	6.532	1230	1233	1236	rVB	1128	1463	0.04%	0.007%
45	6.647	1254	1255	1258	rBV	1700	1295	0.04%	0.006%
46	6.762	1276	1277	1279	rBV	2205	1661	0.05%	0.008%
47	6.856	1292	1295	1299	rVB	1225	1195	0.03%	0.006%
48	6.919	1299	1307	1322	rBV	2458305	3249426	91.35%	15.488%
49	7.029	1324	1328	1334	rVB	2758	3846	0.11%	0.018%
50	7.133	1344	1348	1352	rVB3	2053	2425	0.07%	0.012%
51	7.468	1409	1412	1416	rBV2	969	1568	0.04%	0.007%
52	7.620	1438	1441	1445	rVB	970	1490	0.04%	0.007%
53	7.661	1445	1449	1453	rBV2	1210	1945	0.05%	0.009%
54	7.939	1495	1502	1516	rVB	2060594	2475158	69.59%	11.798%
55	8.043	1516	1522	1525	rBV2	3880	5379	0.15%	0.026%
56	8.106	1531	1534	1540	rVB2	1549	1939	0.05%	0.009%
57	8.143	1540	1541	1547	rBV	916	1370	0.04%	0.007%
58	8.294	1567	1570	1576	rVB2	1477	1596	0.04%	0.008%
59	8.566	1619	1622	1626	rVB2	1314	1467	0.04%	0.007%
60	8.697	1639	1647	1648	rBV2	1167	2143	0.06%	0.010%
61	8.713	1648	1650	1655	rVB2	2113	2201	0.06%	0.010%
62	8.812	1663	1669	1673	rBV2	2799	3475	0.10%	0.017%
63	8.875	1673	1681	1696	rVV	2913105	3515220	98.83%	16.755%
64	9.152	1730	1734	1737	rVV2	2790	2674	0.08%	0.013%
65	9.189	1738	1741	1746	rVB3	3910	5424	0.15%	0.026%
66	9.225	1746	1748	1753	rBV4	3299	3584	0.10%	0.017%
67	9.435	1780	1788	1792	rBV3	1903	3971	0.11%	0.019%
68	9.497	1793	1800	1805	rVB3	5724	8325	0.23%	0.040%
69	9.659	1829	1831	1834	rVB	2183	1386	0.04%	0.007%
70	9.717	1838	1842	1845	rBV	1168	1574	0.04%	0.008%
71	9.827	1861	1863	1868	rBV2	1288	1842	0.05%	0.009%
72	10.041	1900	1904	1906	rBV2	3167	2848	0.08%	0.014%
73	10.104	1914	1916	1921	rBV	3765	4470	0.13%	0.021%
74	10.188	1929	1932	1934	rVB2	1997	1501	0.04%	0.007%
75	10.224	1937	1939	1945	rVB2	1305	1615	0.05%	0.008%
76	10.423	1974	1977	1983	rVB3	1779	2231	0.06%	0.011%
77	10.569	2003	2005	2009	rBV2	1895	1770	0.05%	0.008%
78	10.606	2009	2012	2018	rVV3	6498	8793	0.25%	0.042%
79	10.648	2018	2020	2023	rVV	1361	1498	0.04%	0.007%
80	10.674	2023	2025	2030	rVB2	2715	3371	0.09%	0.016%
81	10.716	2030	2033	2037	rBV2	2407	2314	0.07%	0.011%
82	10.805	2048	2050	2054	rVB2	2957	2974	0.08%	0.014%
83	10.836	2054	2056	2058	rBV3	2379	2254	0.06%	0.011%
84	11.019	2086	2091	2098	rBV4	2305	4300	0.12%	0.020%
85	11.093	2102	2105	2107	rVB	2161	1998	0.06%	0.010%

LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191305.D
Acq On : 2 Dec 2024 6:18 pm
Operator : PrashanS
Sample : JE1536-1
Misc : MS87633,V3C8319,4.5,,,,1
ALS Vial : 18 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

86	11.129	2109	2112	2117	rBV	3579	2806	0.08%	0.013%
87	11.181	2118	2122	2126	rVB2	1778	2325	0.07%	0.011%
88	11.281	2139	2141	2144	rBV	2162	1968	0.06%	0.009%
89	11.370	2155	2158	2164	rVB3	6635	7352	0.21%	0.035%
90	11.417	2164	2167	2173	rVB3	2782	3304	0.09%	0.016%
91	11.464	2173	2176	2182	rBV3	3550	5940	0.17%	0.028%
92	11.616	2202	2205	2210	rVB2	2461	3264	0.09%	0.016%
93	11.704	2218	2222	2228	rBV2	2666	3467	0.10%	0.017%
94	11.956	2265	2270	2272	rBV2	2092	2582	0.07%	0.012%
95	12.003	2276	2279	2285	rVB2	1916	3344	0.09%	0.016%
96	12.123	2299	2302	2303	rBV3	2253	1917	0.05%	0.009%
97	12.180	2311	2313	2318	rVB2	2398	2926	0.08%	0.014%
98	12.243	2318	2325	2330	rVB3	13228	15798	0.44%	0.075%
99	12.311	2336	2338	2342	rBV2	1947	1479	0.04%	0.007%
100	12.358	2342	2347	2350	rBV2	9686	12089	0.34%	0.058%

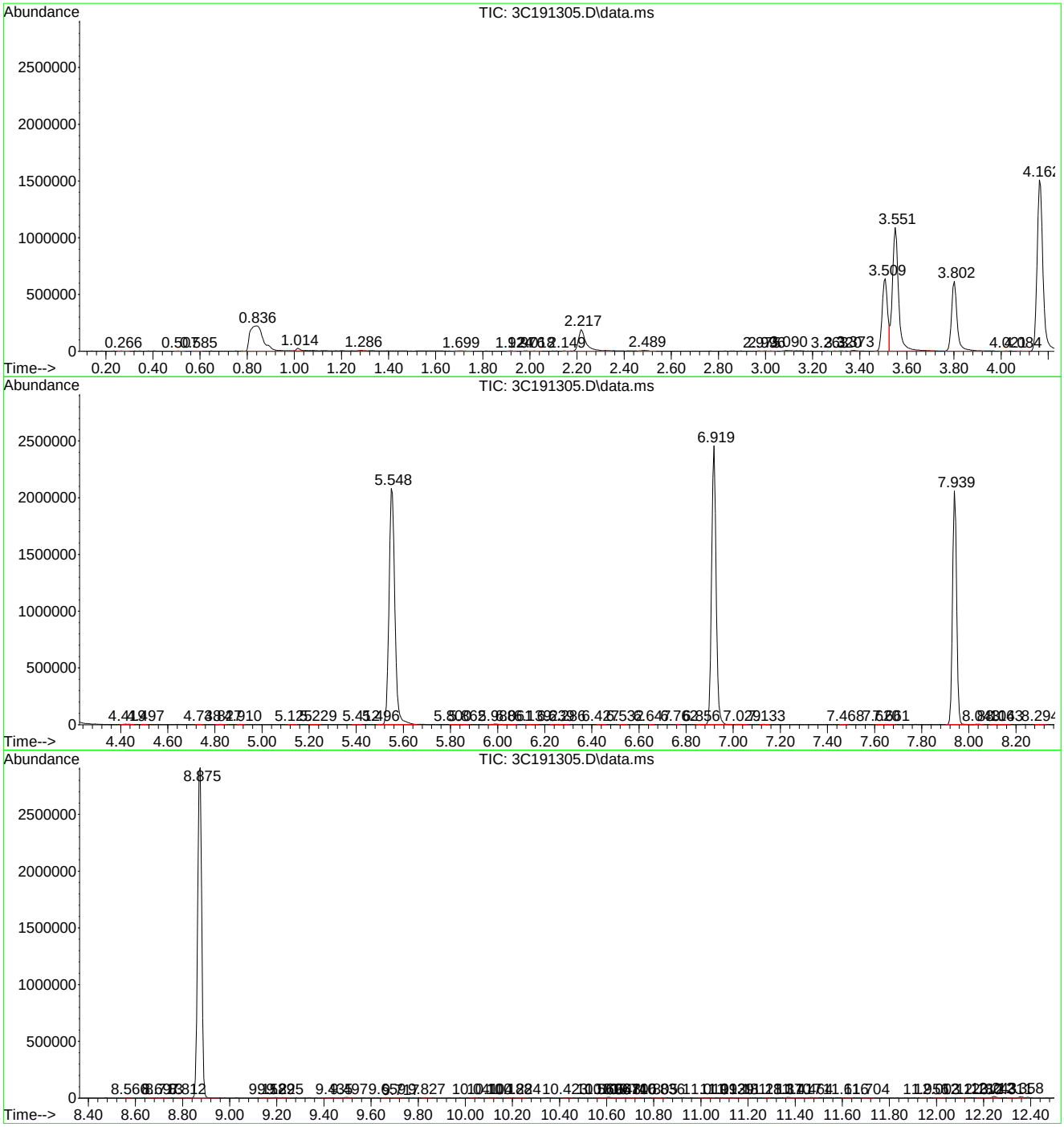
Sum of corrected areas: 20979972

LSC Report - Integrated Chromatogram

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191305.D
Acq On : 2 Dec 2024 6:18 pm
Operator : PrashanS
Sample : JE1536-1
Misc : MS87633,V3C8319,4.5,,,,1
ALS Vial : 18 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p



Library Search Compound Report

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191305.D
Acq On : 2 Dec 2024 6:18 pm
Operator : PrashanS
Sample : JE1536-1
Misc : MS87633,V3C8319,4.5,,,,1
ALS Vial : 18 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

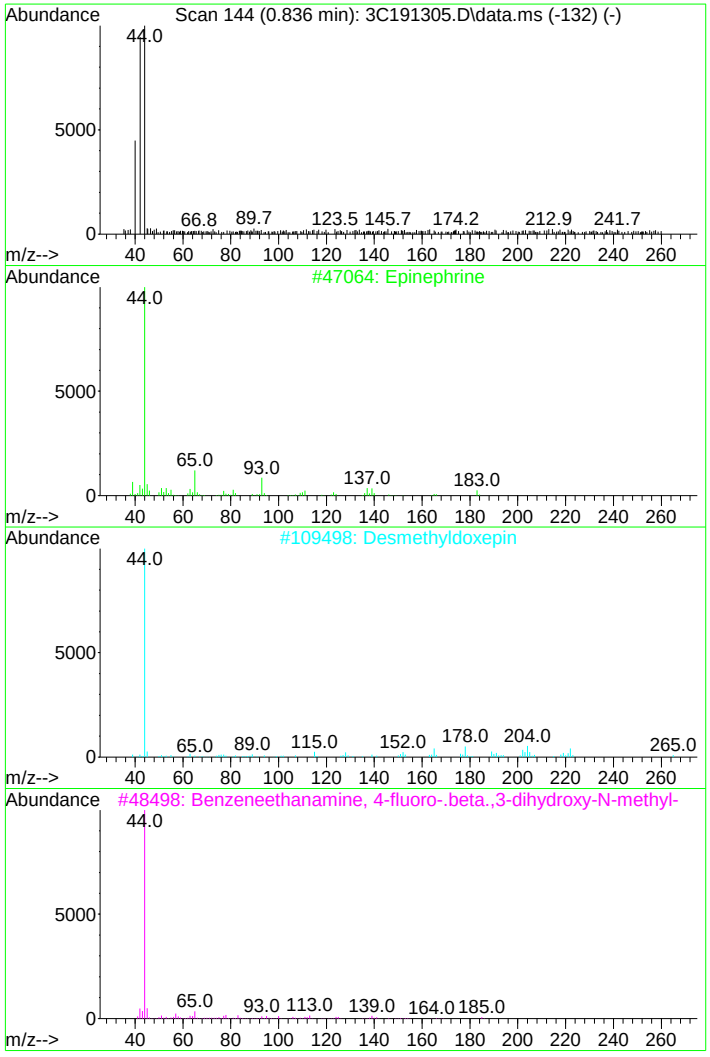
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

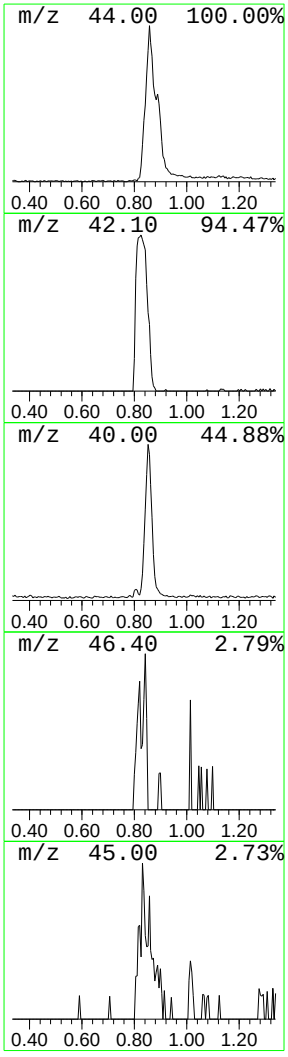
****

Peak Number 1 system artifact Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
0.836	22.67 ug/L	885722	pentafluorobenzene	3.551

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Epinephrine	183	C9H13NO3	000051-43-4	38
2	Desmethyldoxepin	265	C18H19NO	001225-56-5	38
3	Benzeneethanamine, 4-fluoro-.bet...	185	C9H12FNO2	103439-06-1	35
4	Desmethyldoxepin	265	C18H19NO	001225-56-5	35
5	1-Propanamine, N,2-dimethyl-	87	C5H13N	000625-43-4	35





Tentatively Identified Compound (LSC) summary

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191305.D
Acq On : 2 Dec 2024 6:18 pm
Operator : PrashanS
Sample : JE1536-1
Misc : MS87633,V3C8319,4.5,,,,1
ALS Vial : 18 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
system artifact	0.836	22.7	ug/L	885722	2	3.551	1953770	50.0

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191306.D
Acq On : 2 Dec 2024 6:44 pm
Operator : PrashanS
Sample : JE1536-2 Inst : GCMS3C
Misc : MS87633,V3C8319,5.8,,,,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 03 14:43:37 2024
Quant Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
QLast Update : Mon Aug 19 09:54:16 2024
Response via : Initial Calibration

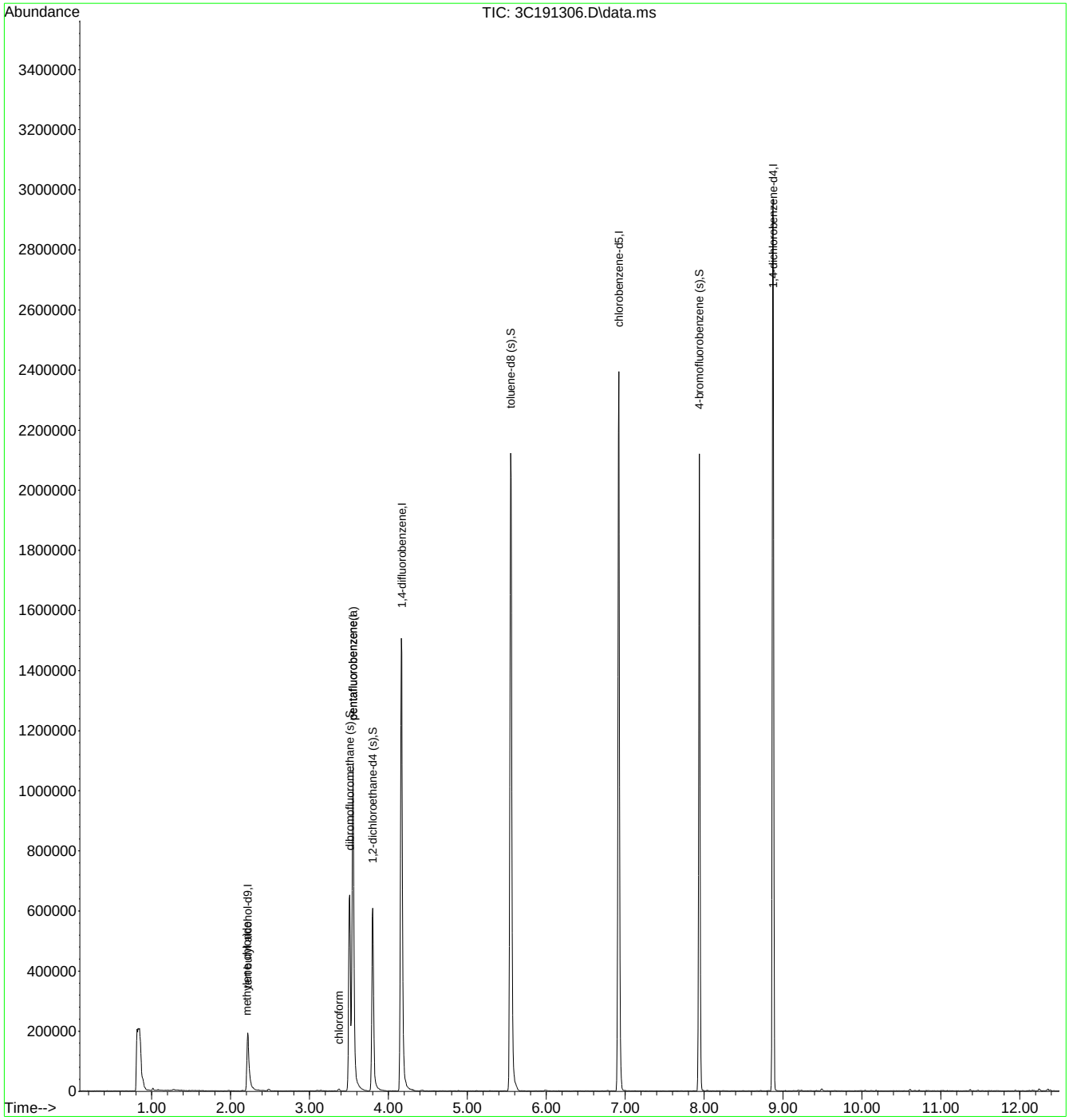
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.217	65	195635	500.00	ug/L	0.00
5) pentafluorobenzene	3.551	168	672287	50.00	ug/L	0.00
50) 1,4-difluorobenzene	4.168	114	1128836	50.00	ug/L	0.00
72) chlorobenzene-d5	6.919	117	1066378	50.00	ug/L	0.00
95) 1,4-dichlorobenzene-d4	8.875	152	577501	50.00	ug/L	0.00
123) pentafluorobenzene(a)	3.551	168	672287	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	3.509	113	339623	47.45	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 94.90%			
51) 1,2-dichloroethane-d4 (s)	3.802	65	349993	50.75	ug/L	0.00
Spiked Amount 50.000	Range 75 - 133		Recovery = 101.50%			
73) toluene-d8 (s)	5.549	98	1304111	45.01	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 90.02%			
96) 4-bromofluorobenzene (s)	7.939	95	478880	44.42	ug/L	0.00
Spiked Amount 50.000	Range 58 - 148		Recovery = 88.84%			
Target Compounds						Qvalue
22) methylene chloride	2.206	84	2034	0.3815	ug/L #	50
40) chloroform	3.373	83	4117	0.4611	ug/L	73

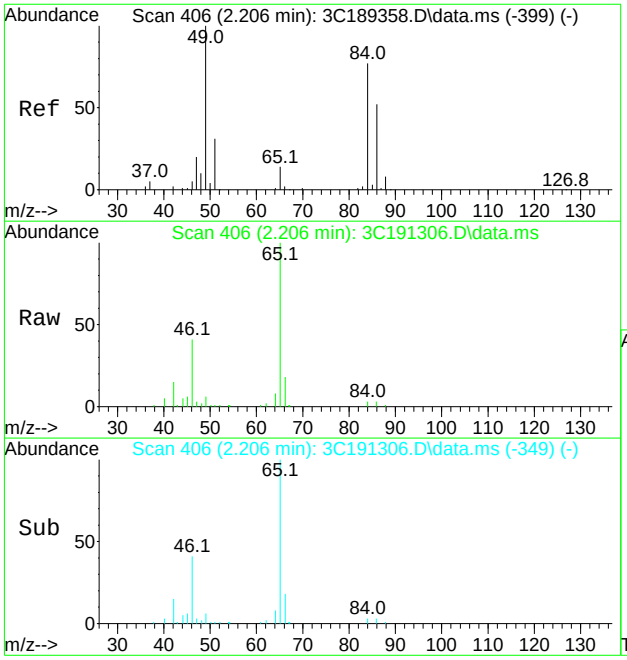
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191306.D
Acq On : 2 Dec 2024 6:44 pm
Operator : PrashanS
Sample : JE1536-2 Inst : GCMS3C
Misc : MS87633,V3C8319,5.8,,,,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 03 14:43:37 2024
Quant Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
QLast Update : Mon Aug 19 09:54:16 2024
Response via : Initial Calibration

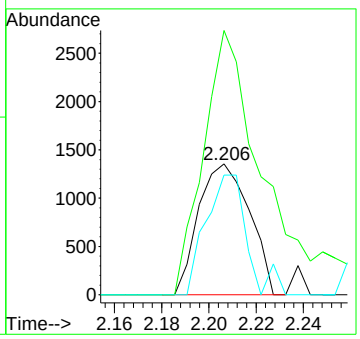


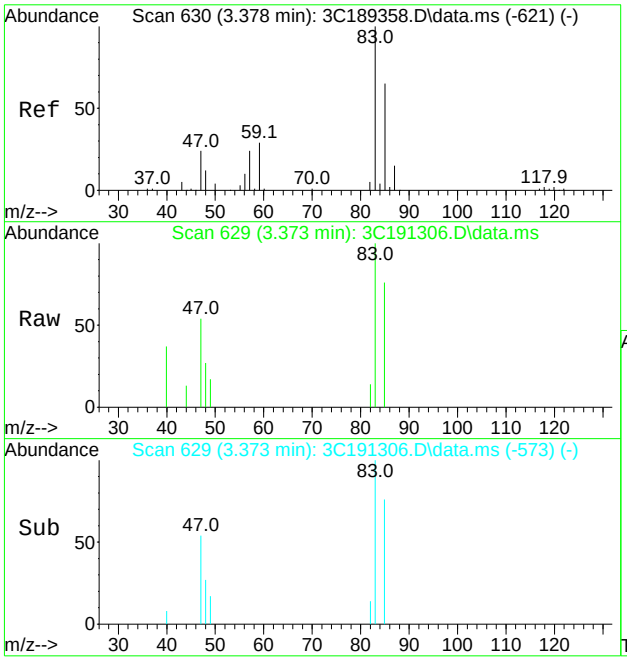


#22
methylene chloride
Concen: 0.3815 ug/L
RT: 2.206 min Scan# 406
Delta R.T. 0.000 min
Lab File: 3C191306.D
Acq: 2 Dec 2024 6:44 pm

Tgt Ion: 84 Resp: 2034

Ion	Ratio	Lower	Upper
84	100		
49	202.0	100.3	160.3#
86	91.4	37.9	97.9

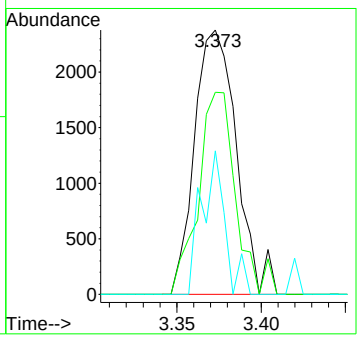




#40
chloroform
Concen: 0.4611 ug/L
RT: 3.373 min Scan# 629
Delta R.T. -0.005 min
Lab File: 3C191306.D
Acq: 2 Dec 2024 6:44 pm

Tgt Ion: 83 Resp: 4117

Ion	Ratio	Lower	Upper
83	100		
85	76.4	34.9	94.9
47	54.3	0.0	55.3



LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191306.D
Acq On : 2 Dec 2024 6:44 pm
Operator : PrashanS
Sample : JE1536-2
Misc : MS87633,V3C8319,5.8,,,,1
ALS Vial : 19 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

Signal : TIC: 3C191306.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	0.140	5	11	12	rBV2	1289	2040	0.06%	0.010%
2	0.193	17	21	25	rBV2	1539	1832	0.05%	0.009%
3	0.695	113	117	121	rVB2	984	1406	0.04%	0.007%
4	0.847	133	146	165	rBV3	208152	814843	22.82%	3.877%
5	1.014	174	178	183	rBV2	8122	9316	0.26%	0.044%
6	1.281	224	229	233	rBV4	3373	5554	0.16%	0.026%
7	1.380	245	248	250	rVB2	2539	1615	0.05%	0.008%
8	1.411	250	254	257	rVB2	2052	2505	0.07%	0.012%
9	1.479	264	267	269	rBV2	2043	1822	0.05%	0.009%
10	1.511	269	273	278	rVB2	1581	2000	0.06%	0.010%
11	1.809	326	330	333	rBV	1212	1626	0.05%	0.008%
12	1.924	349	352	358	rBV2	1538	2605	0.07%	0.012%
13	1.976	358	362	367	rVB3	2393	3449	0.10%	0.016%
14	2.144	389	394	401	rBV3	1888	2544	0.07%	0.012%
15	2.217	401	408	432	rBV	192769	411074	11.51%	1.956%
16	2.400	440	443	450	rVB3	2475	4939	0.14%	0.024%
17	2.478	454	458	466	rVB5	6015	12164	0.34%	0.058%
18	3.017	557	561	563	rBV2	1410	2045	0.06%	0.010%
19	3.096	570	576	581	rBV	2023	3535	0.10%	0.017%
20	3.143	581	585	590	rVV3	2720	3397	0.10%	0.016%
21	3.320	617	619	623	rVV2	1482	1455	0.04%	0.007%
22	3.373	623	629	637	rVV2	7075	10857	0.30%	0.052%
23	3.509	643	655	658	rVV	652427	1030473	28.85%	4.904%
24	3.551	658	663	701	rVB	1085871	1953308	54.69%	9.295%
25	3.802	701	711	741	rBV	608485	1033888	28.95%	4.920%
26	4.163	772	780	816	rVB	1507011	2616141	73.25%	12.449%
27	4.429	823	831	837	rVB4	3486	7372	0.21%	0.035%
28	4.884	916	918	924	rVV2	2642	3336	0.09%	0.016%
29	5.010	936	942	945	rBV2	1247	2013	0.06%	0.010%
30	5.109	960	961	968	rBV2	2260	2788	0.08%	0.013%
31	5.549	1035	1045	1070	rVV	2122455	3571334	100.00%	16.994%
32	5.988	1124	1129	1138	rVV3	3598	7915	0.22%	0.038%
33	6.187	1164	1167	1170	rBV	1497	1615	0.05%	0.008%
34	6.234	1173	1176	1180	rBV	1045	1680	0.05%	0.008%
35	6.417	1207	1211	1212	rBV2	1286	1372	0.04%	0.007%
36	6.495	1223	1226	1229	rBV2	1109	1618	0.05%	0.008%
37	6.537	1229	1234	1236	rVV2	1294	1752	0.05%	0.008%
38	6.699	1260	1265	1271	rBV2	1121	2141	0.06%	0.010%
39	6.778	1275	1280	1284	rVV3	2236	3068	0.09%	0.015%
40	6.919	1298	1307	1322	rBV	2394496	3269220	91.54%	15.557%

LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191306.D
Acq On : 2 Dec 2024 6:44 pm
Operator : PrashanS
Sample : JE1536-2
Misc : MS87633,V3C8319,5.8,,,,1
ALS Vial : 19 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

41	7.097	1335	1341	1342	rVB	1228	1472	0.04%	0.007%
42	7.128	1343	1347	1351	rVV2	1570	1813	0.05%	0.009%
43	7.222	1364	1365	1370	rVB	1198	1371	0.04%	0.007%
44	7.275	1373	1375	1380	rBV	1394	1522	0.04%	0.007%
45	7.473	1409	1413	1416	rBV2	1342	1621	0.05%	0.008%
46	7.662	1448	1449	1453	rBV2	1742	1616	0.05%	0.008%
47	7.866	1484	1488	1491	rVB	1988	1882	0.05%	0.009%
48	7.939	1495	1502	1511	rVV	2119982	2507664	70.22%	11.933%
49	8.049	1517	1523	1527	rBV3	2742	4236	0.12%	0.020%
50	8.111	1531	1535	1541	rBV3	1723	3191	0.09%	0.015%
51	8.164	1543	1545	1548	rBV	1743	1573	0.04%	0.007%
52	8.200	1548	1552	1555	rVB	1316	1786	0.05%	0.008%
53	8.242	1555	1560	1565	rBV	1552	3157	0.09%	0.015%
54	8.341	1577	1579	1583	rBV2	1524	2042	0.06%	0.010%
55	8.383	1583	1587	1592	rVV2	1672	2607	0.07%	0.012%
56	8.498	1603	1609	1612	rVV	1246	1556	0.04%	0.007%
57	8.723	1647	1652	1654	rBV	2826	3079	0.09%	0.015%
58	8.875	1674	1681	1693	rVV	2968271	3524354	98.68%	16.771%
59	9.136	1727	1731	1734	rBV2	1909	2527	0.07%	0.012%
60	9.194	1739	1742	1746	rBV2	3079	4397	0.12%	0.021%
61	9.236	1746	1750	1757	rVB2	3413	4662	0.13%	0.022%
62	9.492	1793	1799	1804	rVB	7821	11271	0.32%	0.054%
63	9.560	1809	1812	1815	rVV2	1180	1418	0.04%	0.007%
64	9.607	1819	1821	1825	rVB2	1619	1505	0.04%	0.007%
65	9.654	1825	1830	1836	rBV3	2044	3894	0.11%	0.019%
66	9.743	1843	1847	1851	rVB2	1458	2186	0.06%	0.010%
67	9.916	1875	1880	1882	rBV	1661	1572	0.04%	0.007%
68	9.984	1889	1893	1895	rVV2	1787	2386	0.07%	0.011%
69	10.041	1899	1904	1907	rVB2	3566	3784	0.11%	0.018%
70	10.109	1914	1917	1921	rBV2	1612	1524	0.04%	0.007%
71	10.177	1928	1930	1933	rBV2	3091	2640	0.07%	0.013%
72	10.475	1983	1987	1989	rVB2	1455	1866	0.05%	0.009%
73	10.502	1989	1992	1995	rVB2	1472	1592	0.04%	0.008%
74	10.533	1995	1998	2001	rBV2	2027	1981	0.06%	0.009%
75	10.606	2006	2012	2020	rVB4	5555	8276	0.23%	0.039%
76	10.674	2020	2025	2028	rBV2	2426	3427	0.10%	0.016%
77	10.721	2032	2034	2042	rVB2	3358	3801	0.11%	0.018%
78	10.815	2048	2052	2053	rBV2	2345	1761	0.05%	0.008%
79	10.847	2055	2058	2064	rVB3	1824	2637	0.07%	0.013%
80	10.998	2084	2087	2089	rBV	2584	1577	0.04%	0.008%
81	11.082	2099	2103	2107	rVB	2238	2127	0.06%	0.010%
82	11.286	2139	2142	2146	rBV2	1195	1668	0.05%	0.008%
83	11.370	2153	2158	2165	rVB2	4665	5473	0.15%	0.026%
84	11.474	2174	2178	2182	rVB3	3510	4197	0.12%	0.020%
85	11.516	2184	2186	2188	rBV	2347	1734	0.05%	0.008%

LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191306.D
Acq On : 2 Dec 2024 6:44 pm
Operator : PrashanS
Sample : JE1536-2
Misc : MS87633,V3C8319,5.8,,,,1
ALS Vial : 19 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

86	11.616	2198	2205	2208	rVV	1561	2066	0.06%	0.010%
87	11.642	2208	2210	2213	rVB	1462	1492	0.04%	0.007%
88	11.710	2219	2223	2226	rBV	1876	2512	0.07%	0.012%
89	11.846	2246	2249	2253	rBV	1095	1397	0.04%	0.007%
90	11.945	2264	2268	2271	rVV	3134	2878	0.08%	0.014%
91	12.034	2282	2285	2291	rVB2	1284	1522	0.04%	0.007%
92	12.118	2299	2301	2304	rVB2	2695	2219	0.06%	0.011%
93	12.165	2304	2310	2312	rBV4	3093	3784	0.11%	0.018%
94	12.180	2312	2313	2317	rVV	2497	1956	0.05%	0.009%
95	12.243	2320	2325	2332	rVB3	7804	11523	0.32%	0.055%
96	12.301	2334	2336	2339	rBV	1600	1425	0.04%	0.007%
97	12.322	2339	2340	2343	rVV	1790	1479	0.04%	0.007%
98	12.358	2343	2347	2350	rVV2	6936	8210	0.23%	0.039%
99	12.390	2350	2353	2358	rVV3	3717	4412	0.12%	0.021%
100	12.432	2358	2361	2364	rVB2	1690	1789	0.05%	0.009%

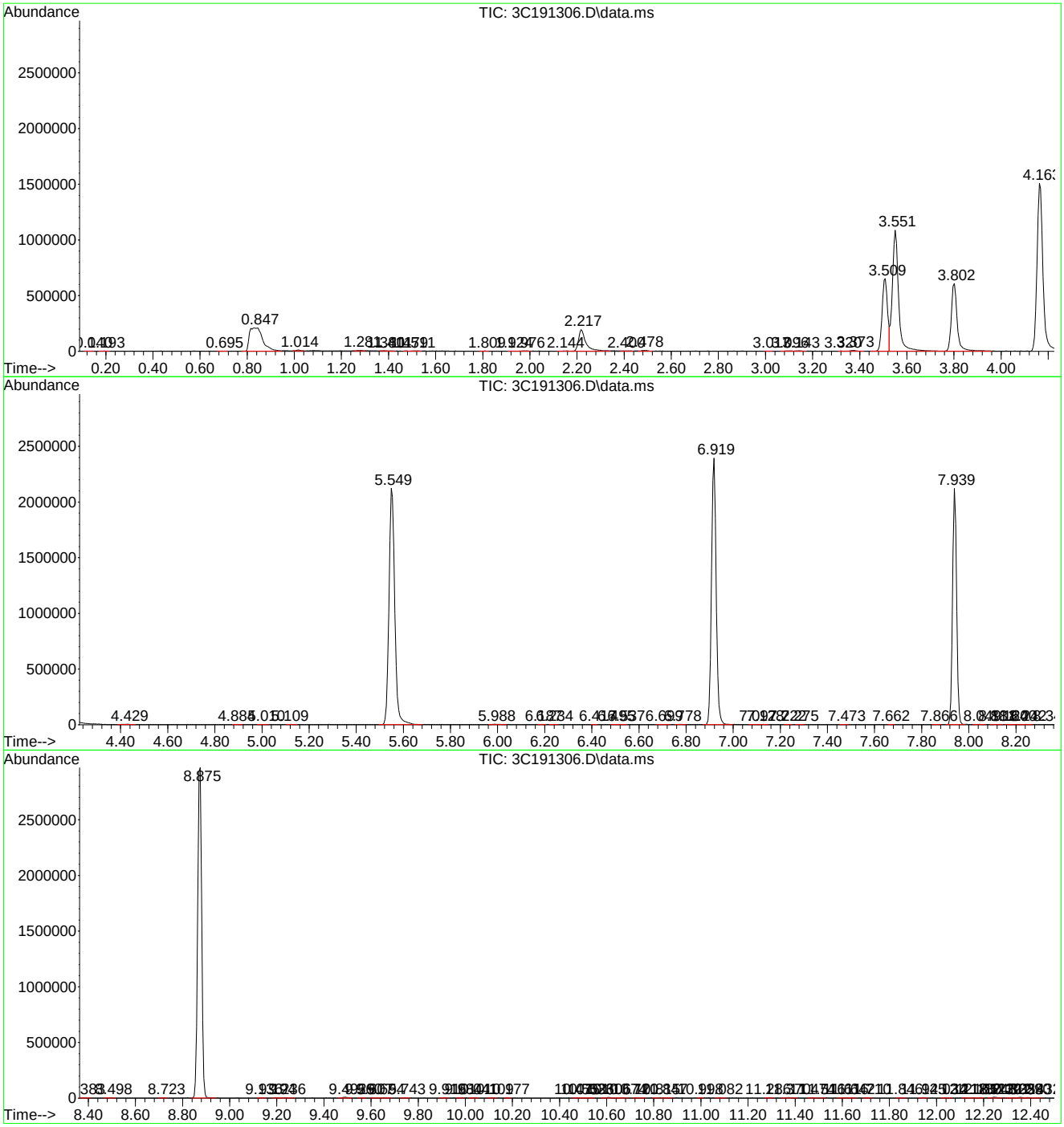
Sum of corrected areas: 21014746

LSC Report - Integrated Chromatogram

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191306.D
Acq On : 2 Dec 2024 6:44 pm
Operator : PrashanS
Sample : JE1536-2
Misc : MS87633,V3C8319,5.8,,,,1
ALS Vial : 19 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p



Library Search Compound Report

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191306.D
Acq On : 2 Dec 2024 6:44 pm
Operator : PrashanS
Sample : JE1536-2
Misc : MS87633,V3C8319,5.8,,,,1
ALS Vial : 19 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

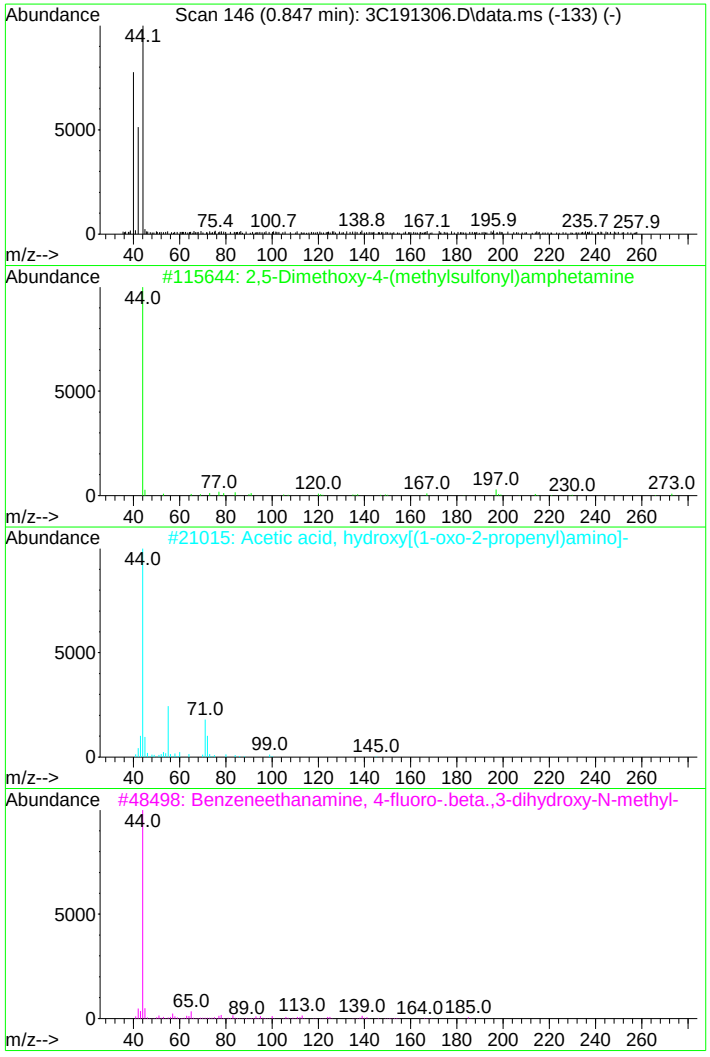
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

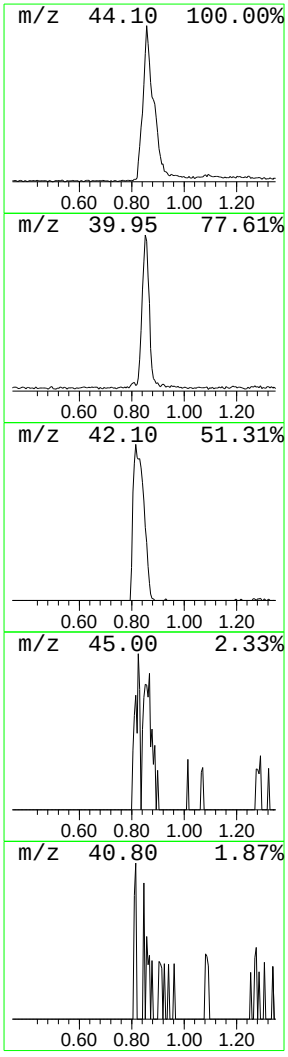
****

Peak Number 1 system artifact Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
0.847	20.86 ug/L	814843	pentafluorobenzene	3.551

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5-Dimethoxy-4-(methylsulfonyl)...	273	C12H19NO4S	146724-75-6	64
2	Acetic acid, hydroxy[(1-oxo-2-pr...	145	C5H7NO4	006737-24-2	47
3	Benzeneethanamine, 4-fluoro-.bet...	185	C9H12FNO2	103439-06-1	47
4	Chlorodifluoroacetamide	129	C2H2ClF2NO	000354-28-9	43
5	Benzenepropanamine, .alpha.-methyl-	149	C10H15N	022374-89-6	43





Tentatively Identified Compound (LSC) summary

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191306.D
Acq On : 2 Dec 2024 6:44 pm
Operator : PrashanS
Sample : JE1536-2
Misc : MS87633,V3C8319,5.8,,,,1
ALS Vial : 19 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
system artifact	0.847	20.9	ug/L	814843	2	3.551	1953310	50.0

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191307.D
Acq On : 2 Dec 2024 7:09 pm
Operator : PrashanS
Sample : JE1536-3 Inst : GCMS3C
Misc : MS87633,V3C8319,5.7,,,,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 03 14:45:19 2024
Quant Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
QLast Update : Mon Aug 19 09:54:16 2024
Response via : Initial Calibration

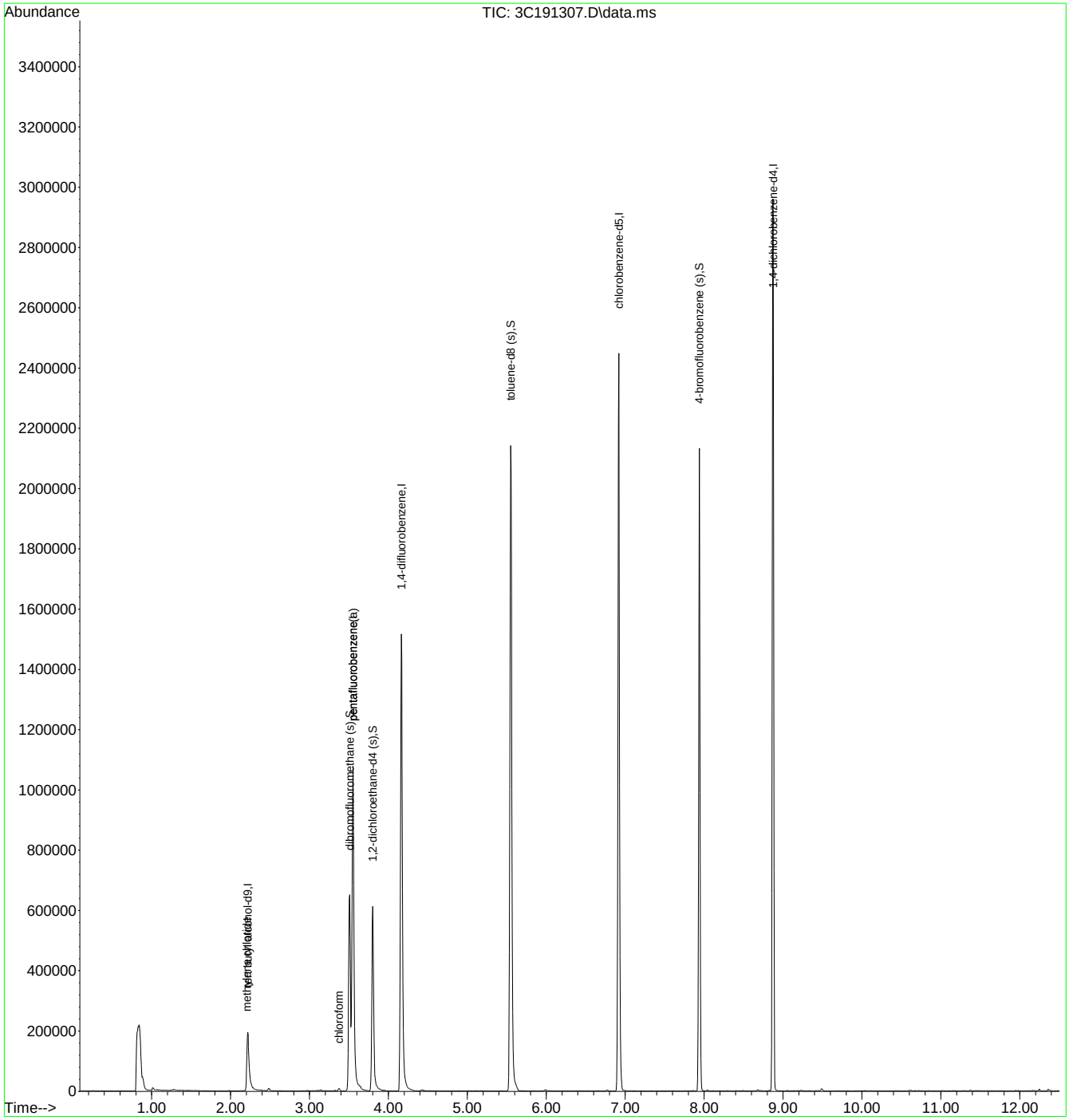
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.217	65	194480	500.00	ug/L	0.00
5) pentafluorobenzene	3.550	168	671023	50.00	ug/L	0.00
50) 1,4-difluorobenzene	4.162	114	1126763	50.00	ug/L	0.00
72) chlorobenzene-d5	6.919	117	1079461	50.00	ug/L	0.00
95) 1,4-dichlorobenzene-d4	8.875	152	585629	50.00	ug/L	0.00
123) pentafluorobenzene(a)	3.550	168	671023	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	3.509	113	337997	47.32	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 94.64%			
51) 1,2-dichloroethane-d4 (s)	3.801	65	348596	50.64	ug/L	0.00
Spiked Amount 50.000	Range 75 - 133		Recovery = 101.28%			
73) toluene-d8 (s)	5.548	98	1312214	44.74	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 89.48%			
96) 4-bromofluorobenzene (s)	7.939	95	476241	43.56	ug/L	0.00
Spiked Amount 50.000	Range 58 - 148		Recovery = 87.12%			
Target Compounds						Qvalue
22) methylene chloride	2.206	84	6414	1.2053	ug/L #	71
40) chloroform	3.373	83	5246	0.5886	ug/L	95

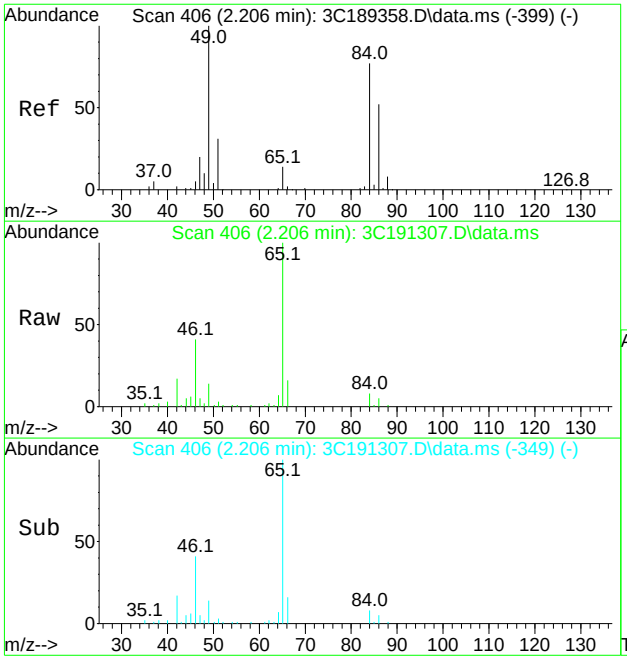
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191307.D
Acq On : 2 Dec 2024 7:09 pm
Operator : PrashanS
Sample : JE1536-3 Inst : GCMS3C
Misc : MS87633,V3C8319,5.7,,,,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 03 14:45:19 2024
Quant Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
QLast Update : Mon Aug 19 09:54:16 2024
Response via : Initial Calibration

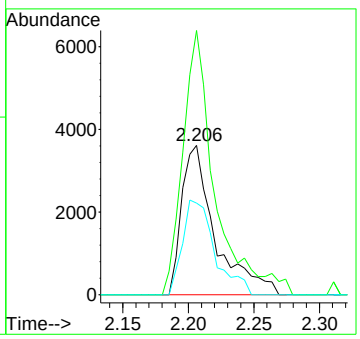


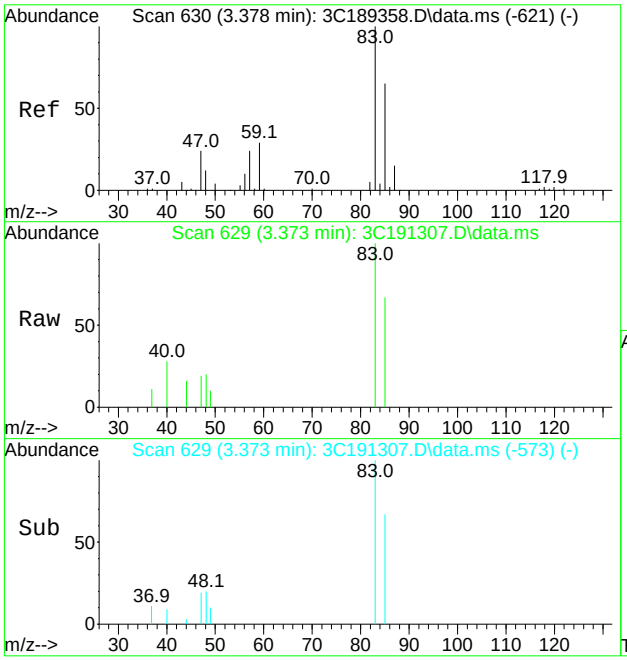


#22
methylene chloride
Concen: 1.2053 ug/L
RT: 2.206 min Scan# 406
Delta R.T. 0.000 min
Lab File: 3C191307.D
Acq: 2 Dec 2024 7:09 pm

Tgt Ion: 84 Resp: 6414

Ion	Ratio	Lower	Upper
84	100		
49	176.9	100.3	160.3#
86	61.4	37.9	97.9

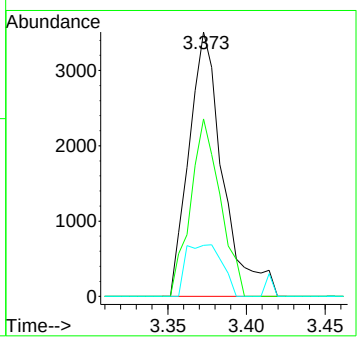




#40
chloroform
Concen: 0.5886 ug/L
RT: 3.373 min Scan# 629
Delta R.T. -0.005 min
Lab File: 3C191307.D
Acq: 2 Dec 2024 7:09 pm

Tgt Ion: 83 Resp: 5246

Ion	Ratio	Lower	Upper
83	100		
85	67.1	34.9	94.9
47	19.3	0.0	55.3



LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191307.D
Acq On : 2 Dec 2024 7:09 pm
Operator : PrashanS
Sample : JE1536-3
Misc : MS87633,V3C8319,5.7,,,,1
ALS Vial : 20 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

Signal : TIC: 3C191307.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	0.140	7	11	12	rVB2	867	920	0.03%	0.004%
2	0.156	12	14	17	rVB	1211	936	0.03%	0.004%
3	0.187	17	20	23	rBV2	900	1461	0.04%	0.007%
4	0.255	31	33	39	rVB2	1645	2339	0.07%	0.011%
5	0.449	67	70	71	rBV	908	999	0.03%	0.005%
6	0.669	108	112	115	rBV2	979	1128	0.03%	0.005%
7	0.726	121	123	126	rBV2	1095	1127	0.03%	0.005%
8	0.841	134	145	171	rBV2	219511	837852	23.29%	3.972%
9	1.014	175	178	189	rBV2	9349	16186	0.45%	0.077%
10	1.275	226	228	241	rVB2	3942	6927	0.19%	0.033%
11	1.981	360	363	372	rVB3	2179	3292	0.09%	0.016%
12	2.123	387	390	392	rBV2	1309	1408	0.04%	0.007%
13	2.217	401	408	432	rBV	194834	430236	11.96%	2.040%
14	2.483	455	459	468	rVB6	8007	12424	0.35%	0.059%
15	2.646	489	490	496	rBV	1768	2703	0.08%	0.013%
16	2.724	502	505	507	rBV	1084	1040	0.03%	0.005%
17	2.755	507	511	512	rBV	1290	1218	0.03%	0.006%
18	2.797	517	519	522	rBV	1362	1312	0.04%	0.006%
19	3.095	572	576	579	rVB2	1712	1576	0.04%	0.007%
20	3.326	615	620	625	rBV4	3189	3512	0.10%	0.017%
21	3.373	625	629	636	rBV3	8472	13253	0.37%	0.063%
22	3.509	645	655	658	rBV	650710	1028566	28.59%	4.876%
23	3.550	658	663	700	rVB	1077859	1955099	54.35%	9.269%
24	3.801	703	711	734	rBV	612429	1026101	28.52%	4.865%
25	4.162	771	780	818	rVB	1516812	2619737	72.83%	12.420%
26	4.419	824	829	833	rBV2	3849	6052	0.17%	0.029%
27	4.576	856	859	862	rBV2	1347	1853	0.05%	0.009%
28	4.800	899	902	906	rBV	1360	2117	0.06%	0.010%
29	4.963	931	933	935	rVB2	1059	873	0.02%	0.004%
30	5.093	956	958	961	rVB	1325	864	0.02%	0.004%
31	5.130	963	965	969	rVB2	1822	1330	0.04%	0.006%
32	5.156	969	970	972	rBV	1153	790	0.02%	0.004%
33	5.224	981	983	985	rBV	1041	767	0.02%	0.004%
34	5.292	993	996	998	rBV2	1087	910	0.03%	0.004%
35	5.548	1035	1045	1072	rBV	2142325	3597261	100.00%	17.054%
36	5.731	1077	1080	1082	rBV	1591	1459	0.04%	0.007%
37	5.988	1123	1129	1135	rBV	4723	8254	0.23%	0.039%
38	6.432	1212	1214	1217	rVB	1897	869	0.02%	0.004%
39	6.767	1274	1278	1284	rBV3	3369	4969	0.14%	0.024%
40	6.866	1292	1297	1298	rBV	1794	1482	0.04%	0.007%

LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191307.D
Acq On : 2 Dec 2024 7:09 pm
Operator : PrashanS
Sample : JE1536-3
Misc : MS87633,V3C8319,5.7,,,,1
ALS Vial : 20 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

41	6.919	1298	1307	1320	rBV	2449100	3295564	91.61%	15.624%
42	7.107	1340	1343	1344	rBV	1517	923	0.03%	0.004%
43	7.253	1370	1371	1378	rBV2	796	1270	0.04%	0.006%
44	7.332	1384	1386	1390	rBV2	1184	1158	0.03%	0.005%
45	7.395	1396	1398	1406	rVB	774	1256	0.03%	0.006%
46	7.536	1423	1425	1428	rBV	872	815	0.02%	0.004%
47	7.682	1451	1453	1459	rBV	595	781	0.02%	0.004%
48	7.871	1483	1489	1491	rBV3	1975	2966	0.08%	0.014%
49	7.939	1495	1502	1515	rVV	2133420	2512218	69.84%	11.910%
50	8.038	1517	1521	1529	rVB3	4320	5855	0.16%	0.028%
51	8.111	1532	1535	1543	rBV	1796	2555	0.07%	0.012%
52	8.195	1549	1551	1557	rBV2	1313	1226	0.03%	0.006%
53	8.289	1568	1569	1577	rVB2	1541	2134	0.06%	0.010%
54	8.404	1584	1591	1599	rBV2	1759	4969	0.14%	0.024%
55	8.493	1603	1608	1614	rBV2	2979	4382	0.12%	0.021%
56	8.676	1641	1643	1649	rBV3	4152	4339	0.12%	0.021%
57	8.786	1662	1664	1666	rBV2	1657	1050	0.03%	0.005%
58	8.823	1666	1671	1673	rVV	2205	2576	0.07%	0.012%
59	8.870	1673	1680	1695	rVV	2960215	3562910	99.05%	16.891%
60	9.058	1713	1716	1719	rVB	2378	2373	0.07%	0.011%
61	9.110	1723	1726	1728	rVV	1469	1010	0.03%	0.005%
62	9.136	1730	1731	1736	rVB	1637	1547	0.04%	0.007%
63	9.230	1745	1749	1753	rVB2	3155	4140	0.12%	0.020%
64	9.267	1755	1756	1761	rVB	1971	1988	0.06%	0.009%
65	9.309	1761	1764	1765	rBV	981	867	0.02%	0.004%
66	9.340	1769	1770	1774	rVB2	1486	1013	0.03%	0.005%
67	9.419	1783	1785	1788	rBV2	1623	1438	0.04%	0.007%
68	9.487	1794	1798	1804	rVB	7418	10360	0.29%	0.049%
69	9.649	1827	1829	1834	rBV	1087	1573	0.04%	0.007%
70	10.046	1902	1905	1907	rVB3	2086	1955	0.05%	0.009%
71	10.114	1912	1918	1926	rBV2	1807	3315	0.09%	0.016%
72	10.193	1932	1933	1935	rBV	959	761	0.02%	0.004%
73	10.261	1944	1946	1950	rVB2	986	896	0.02%	0.004%
74	10.428	1977	1978	1983	rBV	1930	1438	0.04%	0.007%
75	10.507	1992	1993	1998	rBV	1149	1341	0.04%	0.006%
76	10.606	2009	2012	2018	rBV3	2077	3264	0.09%	0.015%
77	10.674	2023	2025	2030	rBV	2635	2326	0.06%	0.011%
78	10.726	2030	2035	2037	rVV2	2045	2362	0.07%	0.011%
79	10.747	2037	2039	2041	rVB	1472	780	0.02%	0.004%
80	11.014	2085	2090	2093	rBV2	1545	1976	0.05%	0.009%
81	11.129	2110	2112	2114	rVB	1152	902	0.03%	0.004%
82	11.166	2114	2119	2120	rBV2	1414	1800	0.05%	0.009%
83	11.291	2137	2143	2147	rVB2	1764	2930	0.08%	0.014%
84	11.375	2154	2159	2166	rBV4	3136	4705	0.13%	0.022%
85	11.537	2189	2190	2194	rBV	1001	1338	0.04%	0.006%

LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191307.D
Acq On : 2 Dec 2024 7:09 pm
Operator : PrashanS
Sample : JE1536-3
Misc : MS87633,V3C8319,5.7,,,,1
ALS Vial : 20 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

86	11.767	2231	2234	2235	rBV	1520	1202	0.03%	0.006%
87	11.799	2238	2240	2243	rVV	1379	1082	0.03%	0.005%
88	11.945	2265	2268	2271	rVB3	2593	2274	0.06%	0.011%
89	11.976	2273	2274	2278	rVV	1720	1379	0.04%	0.007%
90	12.159	2305	2309	2312	rBV2	2657	3498	0.10%	0.017%
91	12.248	2322	2326	2333	rVB2	6837	6541	0.18%	0.031%
92	12.322	2337	2340	2342	rVB	1692	1206	0.03%	0.006%
93	12.358	2342	2347	2350	rBV2	6523	7550	0.21%	0.036%

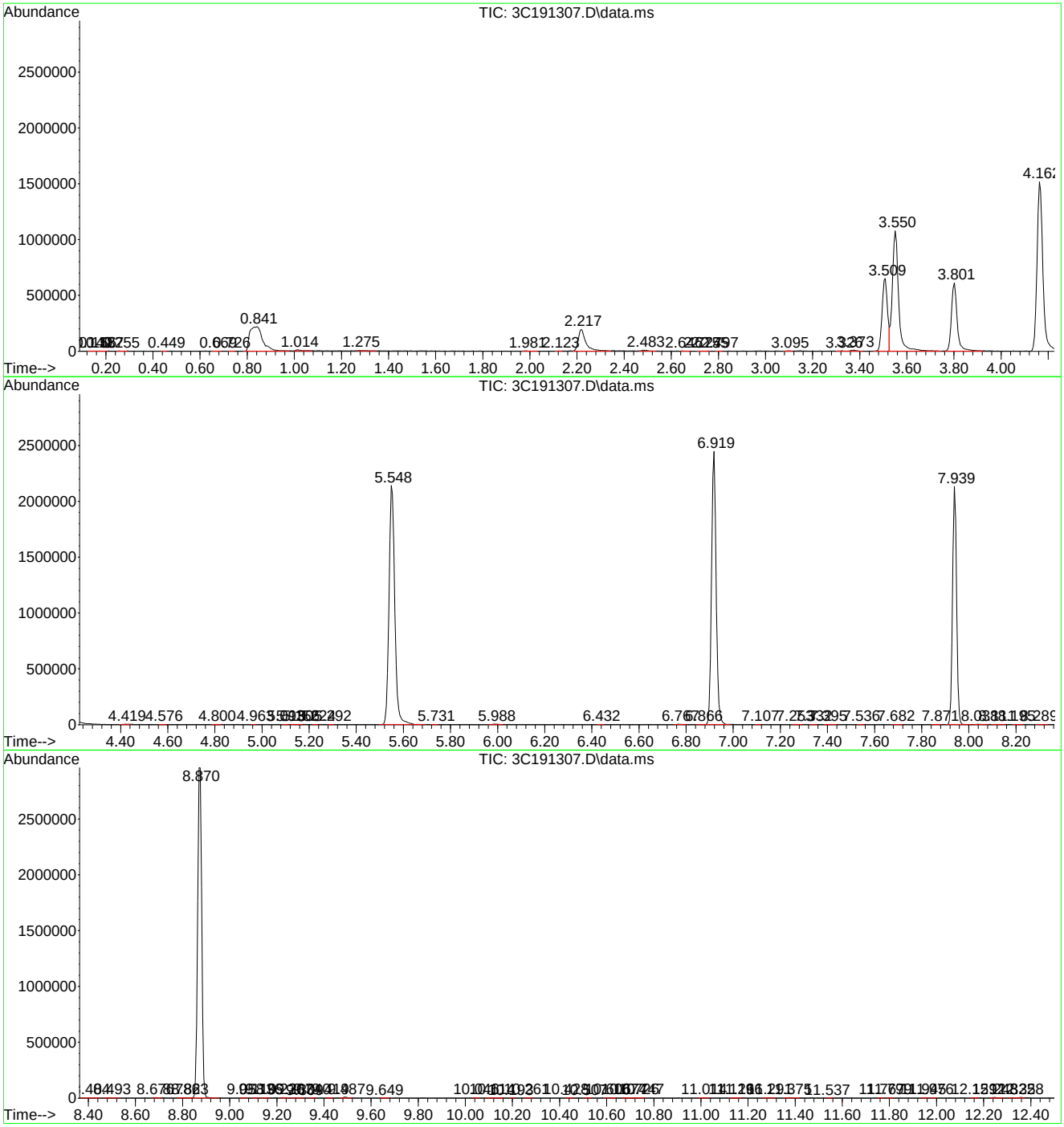
Sum of corrected areas: 21093279

LSC Report - Integrated Chromatogram

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191307.D
Acq On : 2 Dec 2024 7:09 pm
Operator : PrashanS
Sample : JE1536-3
Misc : MS87633,V3C8319,5.7,,,,1
ALS Vial : 20 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p



Library Search Compound Report

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191307.D
Acq On : 2 Dec 2024 7:09 pm
Operator : PrashanS
Sample : JE1536-3
Misc : MS87633,V3C8319,5.7,,,,1
ALS Vial : 20 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

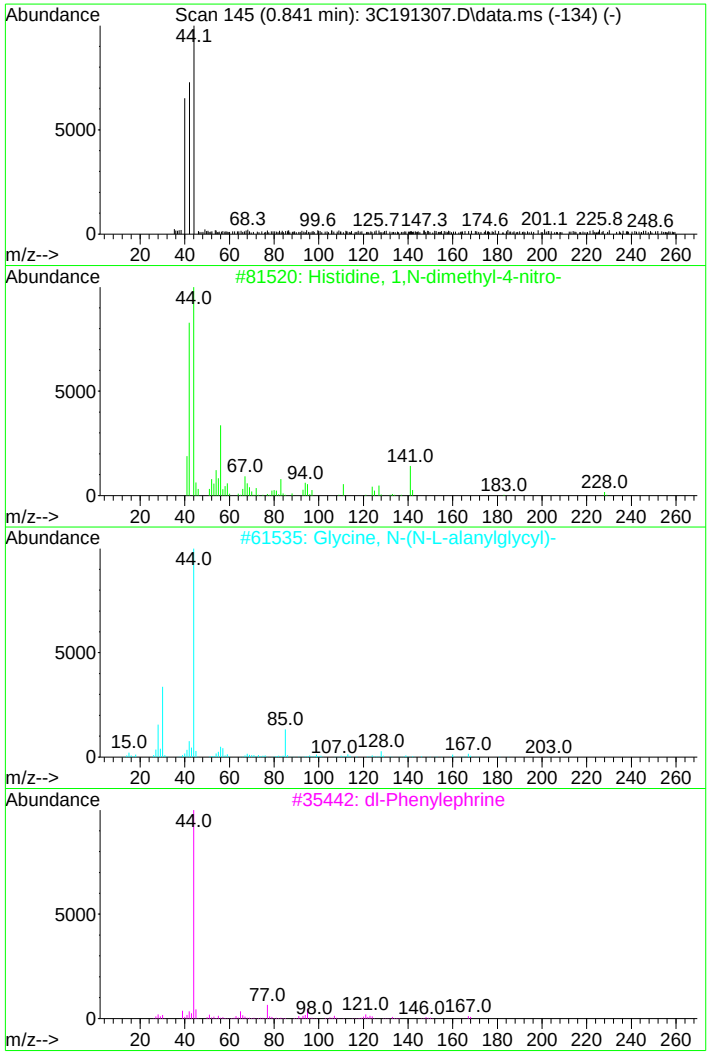
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

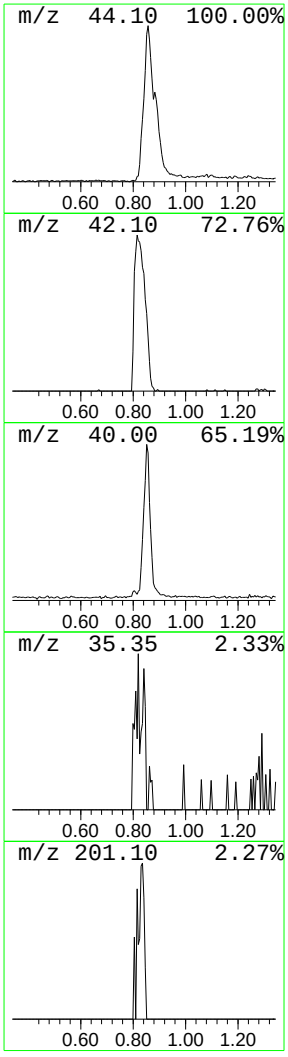
****

Peak Number 1 system artifact Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
0.841	21.43 ug/L	837852	pentafluorobenzene	3.550

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Histidine, 1,N-dimethyl-4-nitro-	228	C8H12N4O4	1000129-55-1	56
2	Glycine, N-(N-L-alanylglycyl)-	203	C7H13N3O4	003146-40-5	47
3	dl-Phenylephrine	167	C9H13NO2	001477-63-0	46
4	Dodecanoic acid, 11-amino-, meth...	229	C13H27NO2	056817-92-6	43
5	3-Methoxyamphetamine	165	C10H15NO	017862-85-0	43





Tentatively Identified Compound (LSC) summary

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191307.D
Acq On : 2 Dec 2024 7:09 pm
Operator : PrashanS
Sample : JE1536-3
Misc : MS87633,V3C8319,5.7,,,,1
ALS Vial : 20 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
system artifact	0.841	21.4	ug/L	837852	2	3.550	1955100	50.0

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191308.D
Acq On : 2 Dec 2024 7:35 pm
Operator : PrashanS
Sample : JE1536-4 Inst : GCMS3C
Misc : MS87633,V3C8319,5.1,,,,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 03 14:46:30 2024
Quant Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
QLast Update : Mon Aug 19 09:54:16 2024
Response via : Initial Calibration

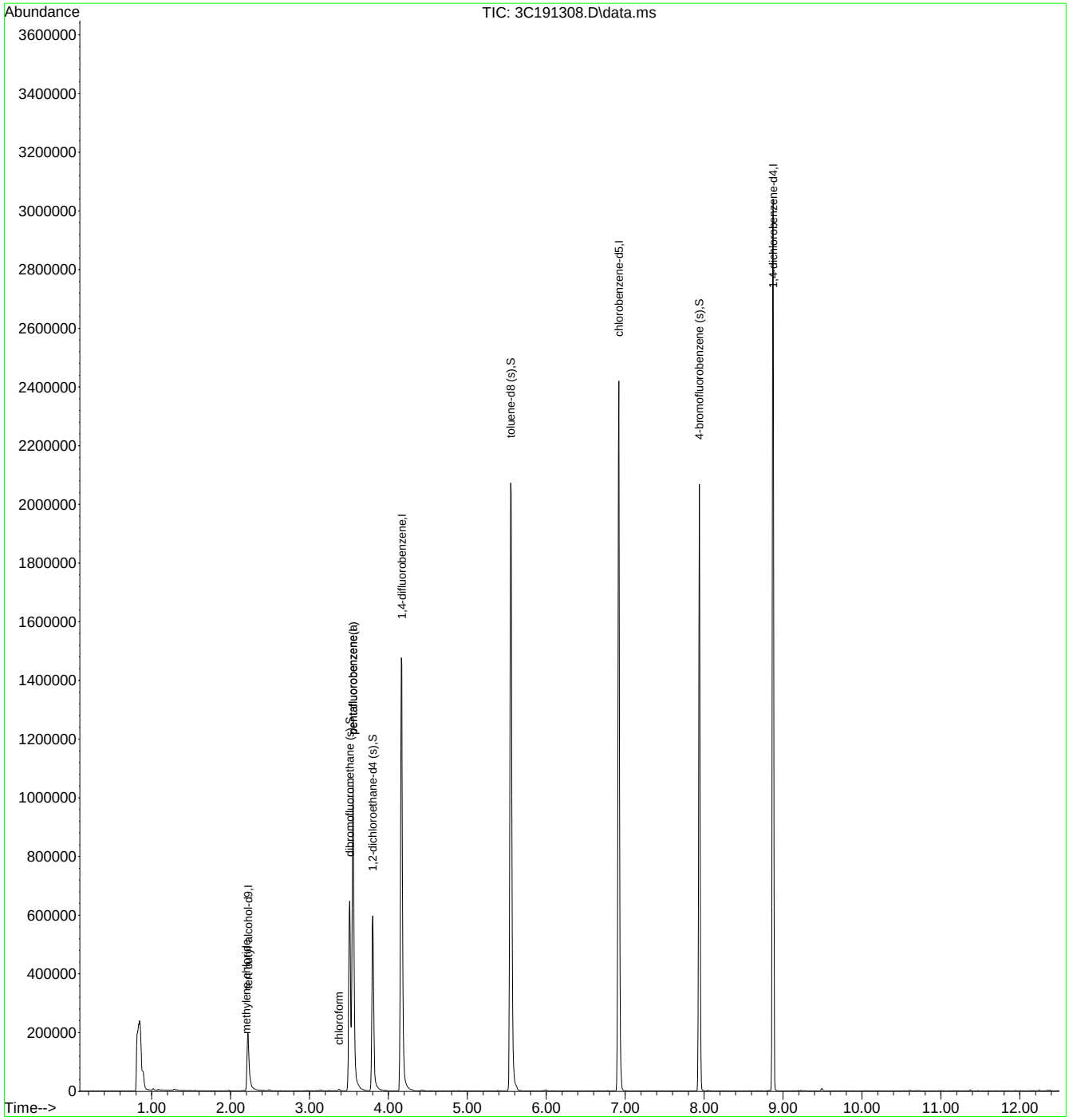
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.222	65	194201	500.00	ug/L	0.00
5) pentafluorobenzene	3.550	168	659585	50.00	ug/L	0.00
50) 1,4-difluorobenzene	4.168	114	1109464	50.00	ug/L	0.00
72) chlorobenzene-d5	6.919	117	1071070	50.00	ug/L	0.00
95) 1,4-dichlorobenzene-d4	8.875	152	579630	50.00	ug/L	0.00
123) pentafluorobenzene(a)	3.550	168	659585	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	3.509	113	335378	47.76	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 95.52%			
51) 1,2-dichloroethane-d4 (s)	3.801	65	352853	52.06	ug/L	0.00
Spiked Amount 50.000	Range 75 - 133		Recovery = 104.12%			
73) toluene-d8 (s)	5.548	98	1290981	44.36	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 88.72%			
96) 4-bromofluorobenzene (s)	7.939	95	475545	43.94	ug/L	0.00
Spiked Amount 50.000	Range 58 - 148		Recovery = 87.88%			
Target Compounds						Qvalue
22) methylene chloride	2.201	84	2259	0.4319	ug/L #	72
40) chloroform	3.373	83	3948	0.4507	ug/L	93

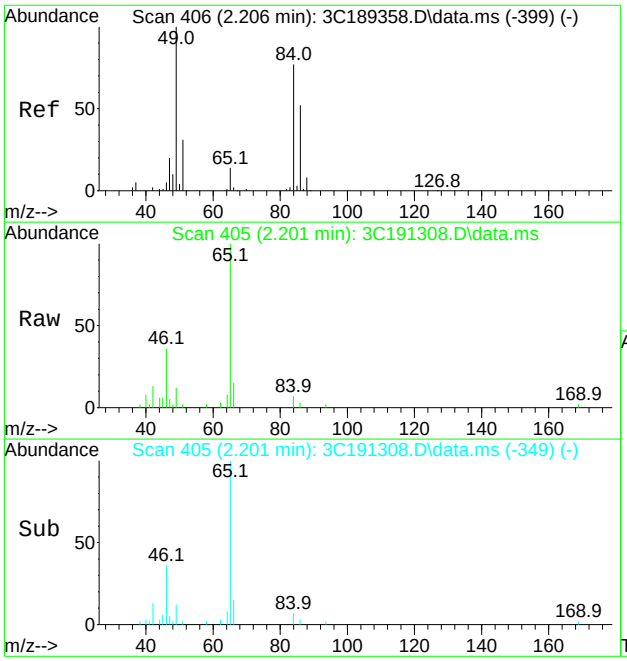
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191308.D
Acq On : 2 Dec 2024 7:35 pm
Operator : PrashanS
Sample : JE1536-4 Inst : GCMS3C
Misc : MS87633,V3C8319,5.1,,,,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 03 14:46:30 2024
Quant Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
QLast Update : Mon Aug 19 09:54:16 2024
Response via : Initial Calibration

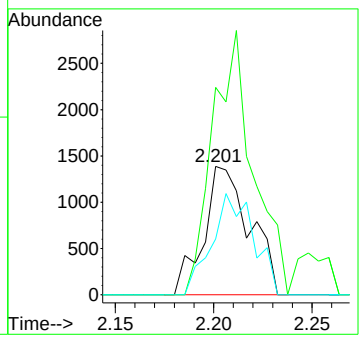


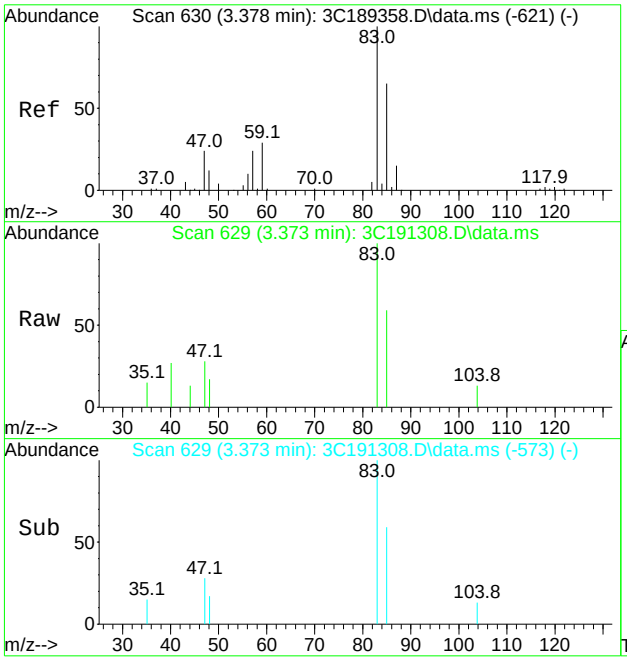


#22
methylene chloride
Concen: 0.4319 ug/L
RT: 2.201 min Scan# 405
Delta R.T. -0.005 min
Lab File: 3C191308.D
Acq: 2 Dec 2024 7:35 pm

Tgt Ion: 84 Resp: 2259

Ion	Ratio	Lower	Upper
84	100		
49	161.5	100.3	160.3#
86	43.4	37.9	97.9

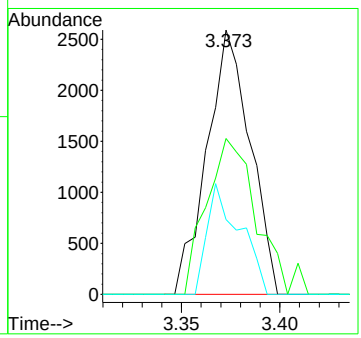




#40
chloroform
Concen: 0.4507 ug/L
RT: 3.373 min Scan# 629
Delta R.T. -0.005 min
Lab File: 3C191308.D
Acq: 2 Dec 2024 7:35 pm

Tgt Ion: 83 Resp: 3948

Ion	Ratio	Lower	Upper
83	100		
85	59.0	34.9	94.9
47	28.4	0.0	55.3



LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191308.D
Acq On : 2 Dec 2024 7:35 pm
Operator : PrashanS
Sample : JE1536-4
Misc : MS87633,V3C8319,5.1,,,,1
ALS Vial : 21 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

Signal : TIC: 3C191308.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	0.135	9	10	17	rBV2	1177	1036	0.03%	0.005%
2	0.737	123	125	129	rBV	1454	1565	0.04%	0.007%
3	0.846	135	146	174	rBV2	239687	954620	26.82%	4.546%
4	1.019	176	179	185	rVV3	4880	6416	0.18%	0.031%
5	1.281	226	229	234	rBV4	4658	5950	0.17%	0.028%
6	1.929	350	353	355	rBV	964	1033	0.03%	0.005%
7	1.981	361	363	366	rVB2	2292	1515	0.04%	0.007%
8	2.149	388	395	396	rBV3	1603	2250	0.06%	0.011%
9	2.217	401	408	436	rBV	197343	425449	11.95%	2.026%
10	2.483	454	459	469	rVB4	4586	7615	0.21%	0.036%
11	2.635	483	488	492	rBV2	1734	2822	0.08%	0.013%
12	2.787	516	517	521	rBV	1023	1073	0.03%	0.005%
13	2.823	522	524	528	rVB2	1794	1818	0.05%	0.009%
14	2.860	528	531	534	rBV	2111	2119	0.06%	0.010%
15	2.923	540	543	545	rBV2	1694	2165	0.06%	0.010%
16	3.106	572	578	581	rVB2	1534	2516	0.07%	0.012%
17	3.137	581	584	591	rBV3	3359	5437	0.15%	0.026%
18	3.242	603	604	607	rBV	1808	1220	0.03%	0.006%
19	3.315	614	618	624	rVB2	1574	2404	0.07%	0.011%
20	3.378	624	630	636	rVB3	6292	10671	0.30%	0.051%
21	3.509	646	655	659	rBV	647519	1077982	30.28%	5.133%
22	3.550	659	663	697	rVB	1062305	1844233	51.81%	8.782%
23	3.802	703	711	739	rBV	596573	1025488	28.81%	4.883%
24	4.162	771	780	815	rVB	1476935	2566458	72.10%	12.221%
25	4.419	823	829	837	rBV4	3992	10196	0.29%	0.049%
26	4.612	862	866	869	rBV	935	1395	0.04%	0.007%
27	4.649	869	873	877	rBV2	1279	2117	0.06%	0.010%
28	4.832	905	908	913	rBV3	1695	2601	0.07%	0.012%
29	4.895	918	920	922	rVB	1683	1160	0.03%	0.006%
30	5.057	946	951	952	rBV	1708	2063	0.06%	0.010%
31	5.114	959	962	964	rBV	1085	1108	0.03%	0.005%
32	5.224	979	983	987	rVB	1443	1918	0.05%	0.009%
33	5.256	987	989	997	rBV2	1516	2812	0.08%	0.013%
34	5.339	1003	1005	1011	rVB2	1050	1926	0.05%	0.009%
35	5.381	1011	1013	1019	rBV2	2832	3423	0.10%	0.016%
36	5.491	1029	1034	1035	rBV	949	1437	0.04%	0.007%
37	5.548	1035	1045	1074	rVB	2072991	3531434	99.21%	16.816%
38	5.711	1074	1076	1079	rBV2	1481	1379	0.04%	0.007%
39	5.768	1084	1087	1089	rBV2	1401	1480	0.04%	0.007%
40	5.815	1093	1096	1099	rBV	1302	1707	0.05%	0.008%

LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191308.D
Acq On : 2 Dec 2024 7:35 pm
Operator : PrashanS
Sample : JE1536-4
Misc : MS87633,V3C8319,5.1,,,,1
ALS Vial : 21 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

41	5.841	1099	1101	1105	rBV2	1250	1488	0.04%	0.007%
42	5.920	1113	1116	1121	rVB2	1472	2049	0.06%	0.010%
43	5.998	1121	1131	1138	rBV3	4316	11574	0.33%	0.055%
44	6.244	1176	1178	1183	rBV2	1391	1815	0.05%	0.009%
45	6.521	1225	1231	1232	rBV2	1577	1956	0.05%	0.009%
46	6.736	1271	1272	1276	rBV	1152	1083	0.03%	0.005%
47	6.778	1276	1280	1284	rBV3	1635	2289	0.06%	0.011%
48	6.919	1298	1307	1323	rBV	2419371	3268431	91.82%	15.564%
49	7.123	1344	1346	1353	rVB2	1111	2103	0.06%	0.010%
50	7.175	1353	1356	1362	rBV2	1218	2644	0.07%	0.013%
51	7.285	1372	1377	1381	rBV2	1111	1982	0.06%	0.009%
52	7.588	1432	1435	1439	rBV2	1160	1490	0.04%	0.007%
53	7.892	1491	1493	1495	rBV2	1904	1161	0.03%	0.006%
54	7.939	1495	1502	1511	rVV	2067552	2506833	70.42%	11.937%
55	8.048	1518	1523	1526	rBV2	2832	4202	0.12%	0.020%
56	8.326	1573	1576	1580	rBV2	811	1095	0.03%	0.005%
57	8.498	1605	1609	1612	rBV	1286	1817	0.05%	0.009%
58	8.587	1621	1626	1629	rBV2	1453	2214	0.06%	0.011%
59	8.681	1639	1644	1649	rBV2	993	1876	0.05%	0.009%
60	8.718	1649	1651	1655	rVB2	1564	1747	0.05%	0.008%
61	8.786	1662	1664	1666	rBV	1363	1180	0.03%	0.006%
62	8.817	1668	1670	1674	rVV2	2456	2606	0.07%	0.012%
63	8.875	1674	1681	1696	rVB	3039709	3559721	100.00%	16.951%
64	9.126	1727	1729	1733	rVB	2167	1641	0.05%	0.008%
65	9.189	1738	1741	1745	rBV2	2290	2590	0.07%	0.012%
66	9.225	1745	1748	1755	rVB2	2843	4156	0.12%	0.020%
67	9.272	1755	1757	1760	rBV2	2086	1867	0.05%	0.009%
68	9.335	1766	1769	1771	rBV	1077	1162	0.03%	0.006%
69	9.356	1771	1773	1776	rBV2	1162	1020	0.03%	0.005%
70	9.492	1793	1799	1805	rBV	9810	12926	0.36%	0.062%
71	9.659	1829	1831	1834	rBV2	1596	1412	0.04%	0.007%
72	9.869	1869	1871	1875	rBV2	1500	1215	0.03%	0.006%
73	9.895	1875	1876	1880	rVB	1372	1320	0.04%	0.006%
74	9.947	1880	1886	1890	rBV2	1673	2623	0.07%	0.012%
75	9.984	1890	1893	1897	rBV	1507	1337	0.04%	0.006%
76	10.046	1900	1905	1910	rVB	1625	2564	0.07%	0.012%
77	10.114	1913	1918	1924	rBV2	1478	2642	0.07%	0.013%
78	10.219	1936	1938	1944	rBV	1196	1182	0.03%	0.006%
79	10.308	1950	1955	1958	rBV	1270	2029	0.06%	0.010%
80	10.460	1983	1984	1988	rVB	1644	1094	0.03%	0.005%
81	10.538	1988	1999	2002	rBV2	1848	4022	0.11%	0.019%
82	10.606	2006	2012	2017	rVB3	3147	4614	0.13%	0.022%
83	10.674	2020	2025	2030	rBV	1724	3333	0.09%	0.016%
84	10.721	2030	2034	2037	rBV2	2145	2773	0.08%	0.013%
85	10.925	2069	2073	2075	rBV2	1195	1103	0.03%	0.005%

LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191308.D
Acq On : 2 Dec 2024 7:35 pm
Operator : PrashanS
Sample : JE1536-4
Misc : MS87633,V3C8319,5.1,,,,1
ALS Vial : 21 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

86	11.051	2094	2097	2100	rVB2	1501	1592	0.04%	0.008%
87	11.213	2126	2128	2131	rVB2	1964	1616	0.05%	0.008%
88	11.375	2155	2159	2165	rBV4	4804	6218	0.17%	0.030%
89	11.469	2175	2177	2180	rVB2	2298	2202	0.06%	0.010%
90	11.527	2186	2188	2190	rBV	1473	1059	0.03%	0.005%
91	11.605	2201	2203	2205	rVB	2149	1536	0.04%	0.007%
92	11.715	2220	2224	2226	rBV2	910	1177	0.03%	0.006%
93	11.778	2233	2236	2241	rBV2	1271	2313	0.06%	0.011%
94	11.856	2248	2251	2258	rVB	1622	2015	0.06%	0.010%
95	11.950	2264	2269	2274	rBV3	2554	3701	0.10%	0.018%
96	12.034	2284	2285	2290	rBV2	1037	1334	0.04%	0.006%
97	12.165	2307	2310	2316	rBV3	2342	2356	0.07%	0.011%
98	12.243	2321	2325	2329	rVB2	4010	3880	0.11%	0.018%
99	12.358	2344	2347	2349	rVB3	3276	2273	0.06%	0.011%
100	12.384	2351	2352	2356	rVB	3441	2746	0.08%	0.013%

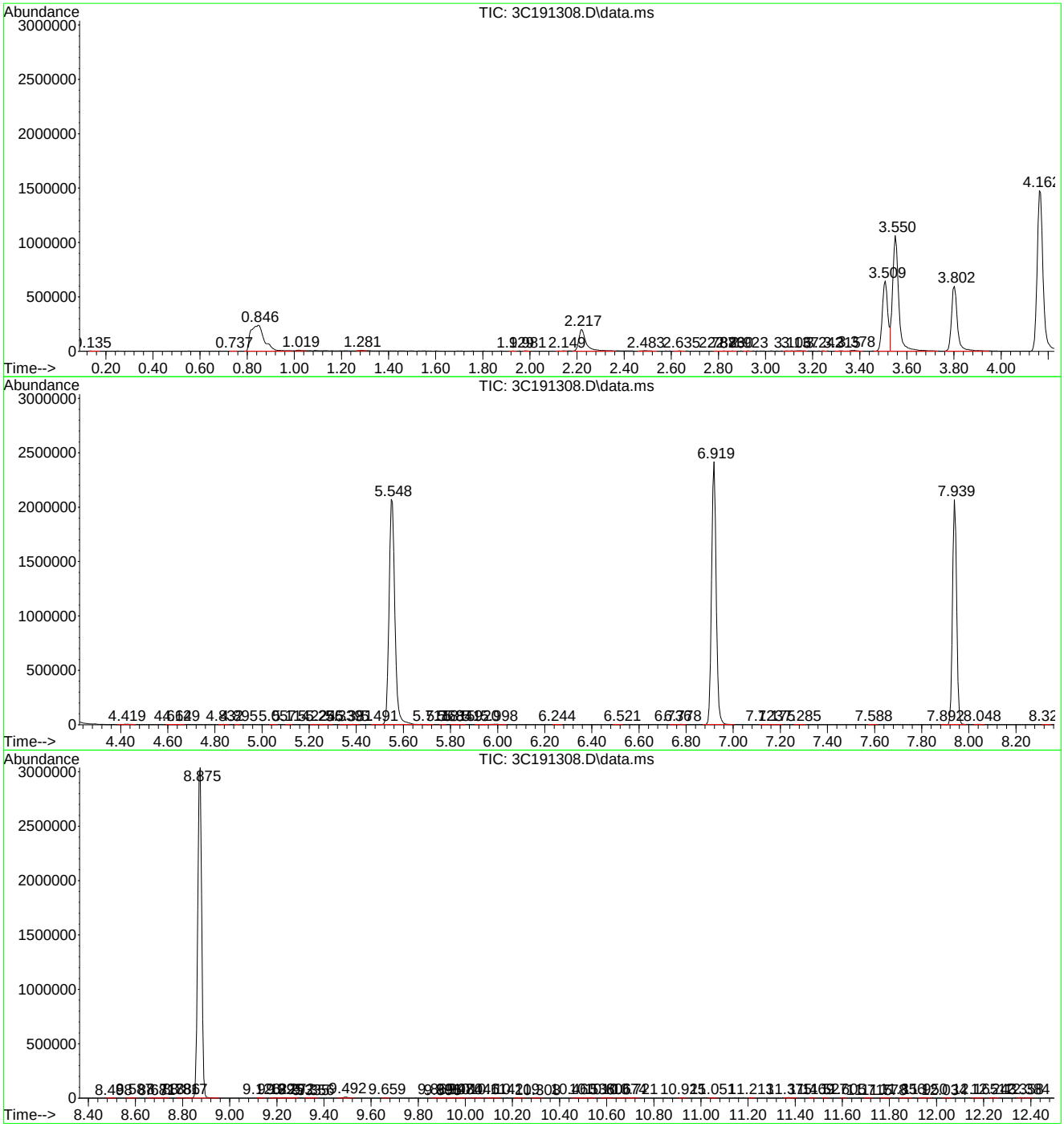
Sum of corrected areas: 21000010

LSC Report - Integrated Chromatogram

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191308.D
Acq On : 2 Dec 2024 7:35 pm
Operator : PrashanS
Sample : JE1536-4
Misc : MS87633,V3C8319,5.1,,,,1
ALS Vial : 21 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p



Library Search Compound Report

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191308.D
Acq On : 2 Dec 2024 7:35 pm
Operator : PrashanS
Sample : JE1536-4
Misc : MS87633,V3C8319,5.1,,,,1
ALS Vial : 21 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

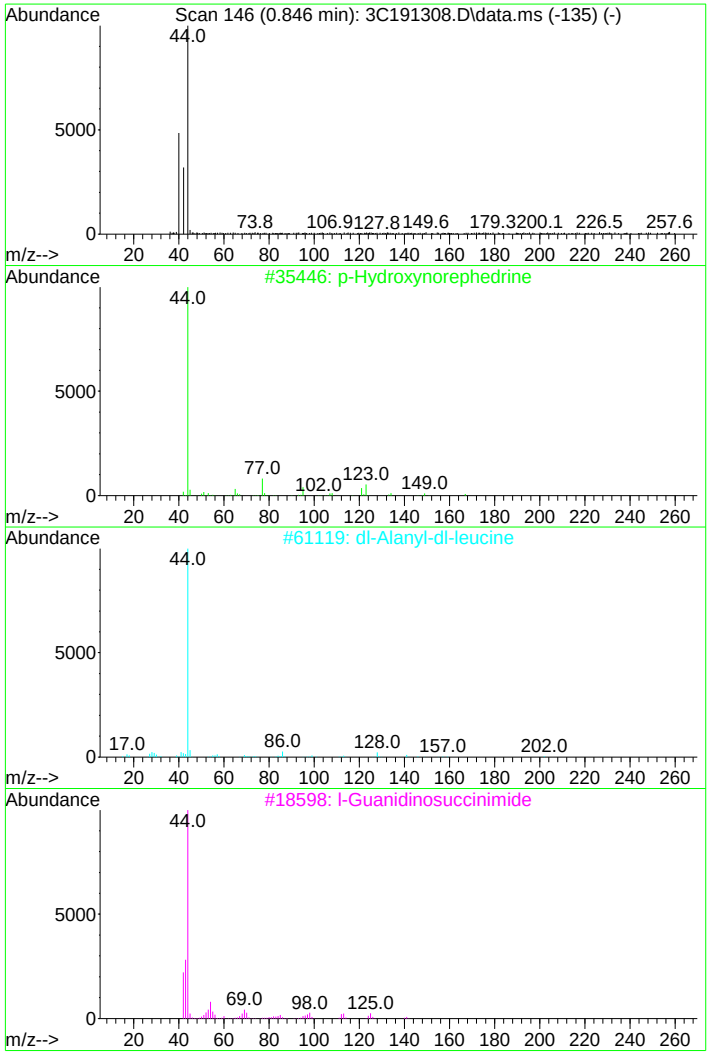
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

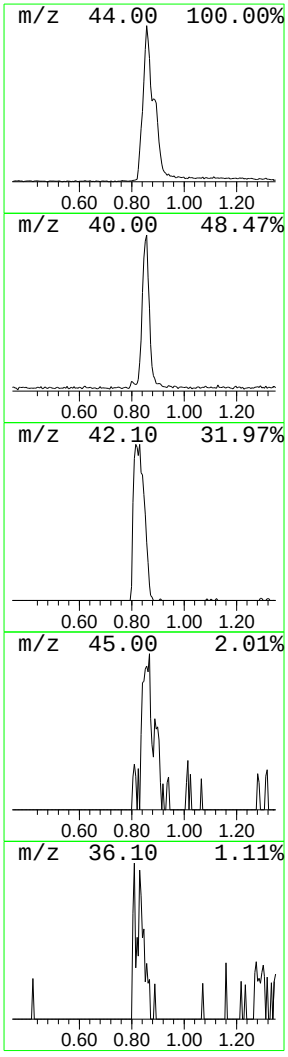
****

Peak Number 1 system artifact Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
0.846	25.88 ug/L	954620	pentafluorobenzene	3.550

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Hydroxynorephedrine	167	C9H13NO2	000552-85-2	50
2	dl-Alanyl-dl-leucine	202	C9H18N2O3	001999-42-4	50
3	l-Guanidinosuccinimide	141	C5H7N3O2	1000130-20-8	45
4	Benzeneacetonitrile, 3,4-dimetho...	290	C17H26N2O2	034245-14-2	39
5	Epinephrine	183	C9H13NO3	000051-43-4	33





Tentatively Identified Compound (LSC) summary

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191308.D
Acq On : 2 Dec 2024 7:35 pm
Operator : PrashanS
Sample : JE1536-4
Misc : MS87633,V3C8319,5.1,,,,1
ALS Vial : 21 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
system artifact	0.846	25.9	ug/L	954620	2	3.550	1844230	50.0

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191309.D
Acq On : 2 Dec 2024 8:01 pm
Operator : PrashanS
Sample : JE1536-5 Inst : GCMS3C
Misc : MS87633,V3C8319,4.6,,,,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 03 14:49:46 2024
Quant Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
QLast Update : Mon Aug 19 09:54:16 2024
Response via : Initial Calibration

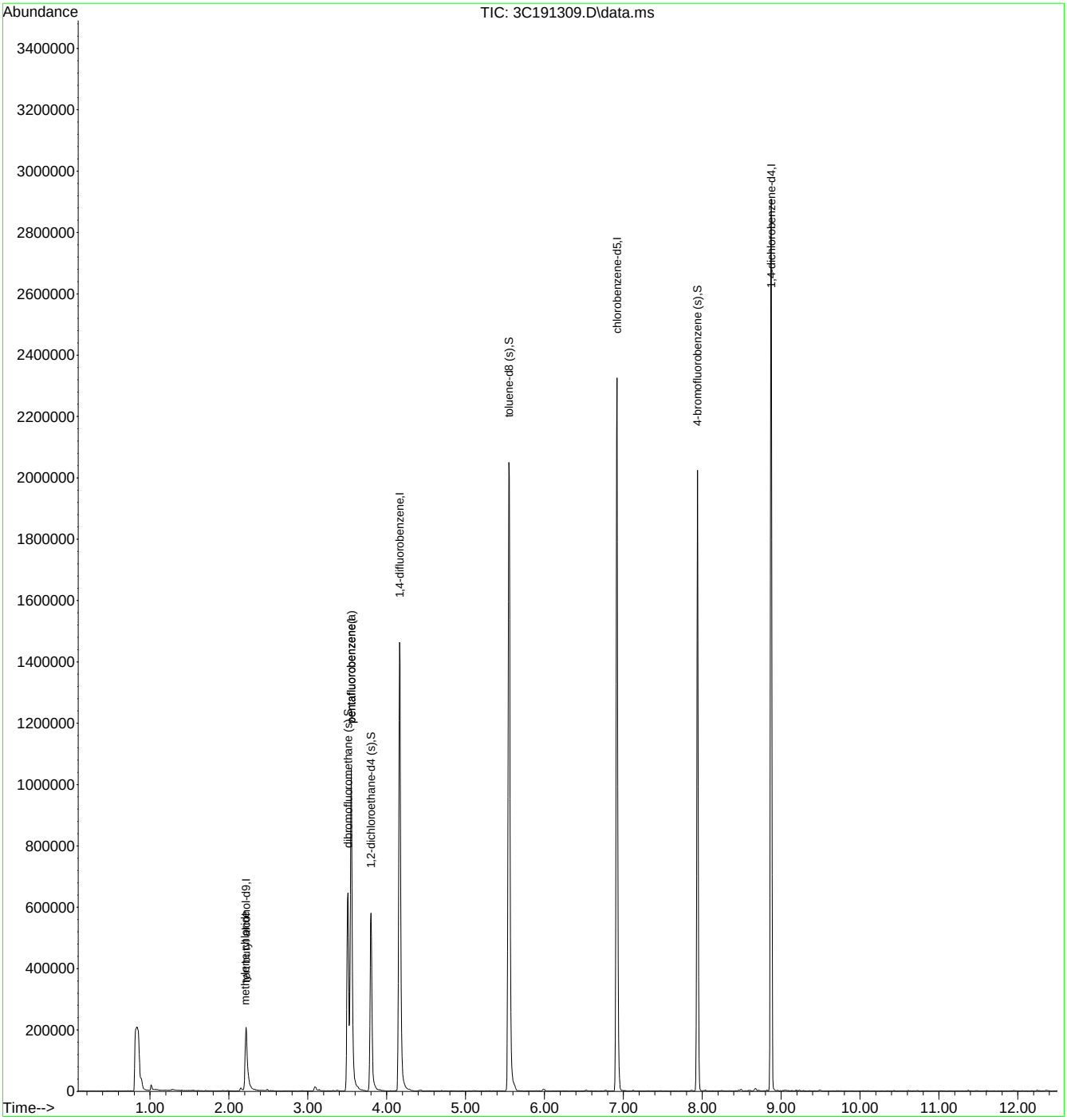
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.217	65	195836	500.00	ug/L	0.00
5) pentafluorobenzene	3.551	168	648214	50.00	ug/L	0.00
50) 1,4-difluorobenzene	4.162	114	1089950	50.00	ug/L	0.00
72) chlorobenzene-d5	6.919	117	1041075	50.00	ug/L	0.00
95) 1,4-dichlorobenzene-d4	8.875	152	560297	50.00	ug/L	0.00
123) pentafluorobenzene(a)	3.551	168	648214	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	3.509	113	333406	48.32	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 96.64%			
51) 1,2-dichloroethane-d4 (s)	3.802	65	343081	51.52	ug/L	0.00
Spiked Amount 50.000	Range 75 - 133		Recovery = 103.04%			
73) toluene-d8 (s)	5.549	98	1257631	44.46	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 88.92%			
96) 4-bromofluorobenzene (s)	7.939	95	459102	43.89	ug/L	0.00
Spiked Amount 50.000	Range 58 - 148		Recovery = 87.78%			
Target Compounds						Qvalue
22) methylene chloride	2.206	84	13355	2.5980	ug/L	92

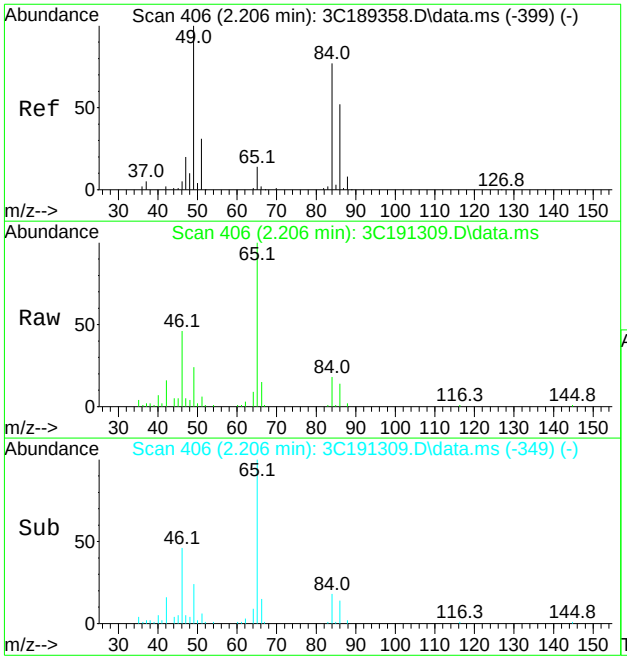
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191309.D
Acq On : 2 Dec 2024 8:01 pm
Operator : PrashanS
Sample : JE1536-5 Inst : GCMS3C
Misc : MS87633,V3C8319,4.6,,,,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 03 14:49:46 2024
Quant Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
QLast Update : Mon Aug 19 09:54:16 2024
Response via : Initial Calibration

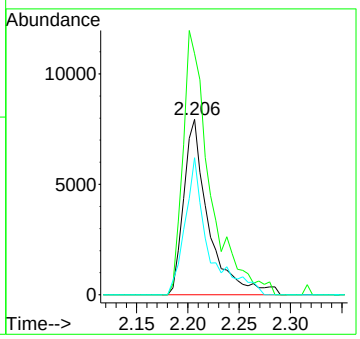




#22
methylene chloride
Concen: 2.5980 ug/L
RT: 2.206 min Scan# 406
Delta R.T. 0.000 min
Lab File: 3C191309.D
Acq: 2 Dec 2024 8:01 pm

Tgt Ion: 84 Resp: 13355

Ion	Ratio	Lower	Upper
84	100		
49	137.2	100.3	160.3
86	78.1	37.9	97.9



LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191309.D
Acq On : 2 Dec 2024 8:01 pm
Operator : PrashanS
Sample : JE1536-5
Misc : MS87633,V3C8319,4.6,,,,1
ALS Vial : 22 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

Signal : TIC: 3C191309.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	0.276	33	37	40	rVV2	1185	1389	0.04%	0.007%
2	0.407	60	62	67	rVB	1140	1231	0.04%	0.006%
3	0.527	82	85	89	rVB	995	1216	0.04%	0.006%
4	0.831	131	143	167	rBV3	209181	811643	23.50%	3.962%
5	1.014	172	178	186	rBV2	18649	26277	0.76%	0.128%
6	1.197	211	213	218	rBV2	1692	1888	0.05%	0.009%
7	1.281	226	229	235	rBV2	4235	6792	0.20%	0.033%
8	1.364	244	245	250	rVB3	2243	2257	0.07%	0.011%
9	1.401	250	252	256	rBV2	2730	2009	0.06%	0.010%
10	1.521	274	275	279	rVB	1338	1198	0.03%	0.006%
11	1.704	307	310	313	rBV3	1880	1815	0.05%	0.009%
12	1.929	346	353	358	rVV3	1733	3511	0.10%	0.017%
13	1.987	359	364	366	rVV2	1686	1915	0.06%	0.009%
14	2.149	390	395	401	rBV2	10359	17150	0.50%	0.084%
15	2.217	401	408	428	rVV2	204676	448925	13.00%	2.191%
16	2.484	455	459	465	rVB	4857	6285	0.18%	0.031%
17	2.682	492	497	499	rVB	1388	1341	0.04%	0.007%
18	2.923	541	543	546	rBV2	1740	1315	0.04%	0.006%
19	3.090	567	575	583	rBV	14194	29635	0.86%	0.145%
20	3.143	583	585	590	rVV5	4443	4704	0.14%	0.023%
21	3.247	602	605	610	rVB2	1914	2653	0.08%	0.013%
22	3.320	615	619	625	rBV3	2257	3084	0.09%	0.015%
23	3.373	625	629	632	rBV2	2891	3568	0.10%	0.017%
24	3.509	647	655	658	rBV	646332	1002601	29.03%	4.894%
25	3.551	658	663	702	rVB	1051995	1877694	54.38%	9.165%
26	3.802	702	711	731	rBV	580363	1008075	29.19%	4.920%
27	4.163	771	780	815	rVB	1462967	2538285	73.51%	12.389%
28	4.440	822	833	837	rVB3	3476	9255	0.27%	0.045%
29	4.544	852	853	859	rBV2	1619	1655	0.05%	0.008%
30	4.696	877	882	885	rBV	2400	2346	0.07%	0.011%
31	4.822	900	906	907	rVB	1839	1790	0.05%	0.009%
32	4.958	929	932	936	rBV	1338	1212	0.04%	0.006%
33	5.041	946	948	954	rVB2	849	1213	0.04%	0.006%
34	5.099	954	959	960	rBV2	1454	1477	0.04%	0.007%
35	5.261	984	990	992	rVB2	1718	1531	0.04%	0.007%
36	5.308	998	999	1003	rVB	1696	1227	0.04%	0.006%
37	5.365	1003	1010	1014	rBV2	1322	2786	0.08%	0.014%
38	5.549	1036	1045	1067	rVV	2049963	3453156	100.00%	16.855%
39	5.711	1073	1076	1079	rVB2	1230	1326	0.04%	0.006%
40	5.873	1105	1107	1112	rVV	1303	1747	0.05%	0.009%

LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191309.D
Acq On : 2 Dec 2024 8:01 pm
Operator : PrashanS
Sample : JE1536-5
Misc : MS87633,V3C8319,4.6,,,,1
ALS Vial : 22 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

41	5.983	1123	1128	1138	rBV4	6423	12986	0.38%	0.063%
42	6.239	1173	1177	1180	rVB	1741	2230	0.06%	0.011%
43	6.265	1180	1182	1191	rBV2	1496	3137	0.09%	0.015%
44	6.432	1211	1214	1218	rVB	1488	1594	0.05%	0.008%
45	6.469	1218	1221	1225	rVB	1113	1246	0.04%	0.006%
46	6.527	1228	1232	1238	rVB3	3649	5456	0.16%	0.027%
47	6.772	1274	1279	1285	rBV	3129	4161	0.12%	0.020%
48	6.919	1299	1307	1320	rBV	2325581	3171933	91.86%	15.482%
49	7.123	1342	1346	1351	rBV	2953	3319	0.10%	0.016%
50	7.322	1382	1384	1387	rVB2	1831	1443	0.04%	0.007%
51	7.353	1387	1390	1393	rBV2	1069	1402	0.04%	0.007%
52	7.604	1433	1438	1443	rBV2	988	1997	0.06%	0.010%
53	7.766	1467	1469	1473	rVV	1072	1369	0.04%	0.007%
54	7.866	1483	1488	1493	rVB2	3746	5733	0.17%	0.028%
55	7.939	1493	1502	1514	rBV	2024624	2426558	70.27%	11.844%
56	8.038	1514	1521	1529	rVB3	4308	7831	0.23%	0.038%
57	8.237	1558	1559	1566	rVB2	1580	2564	0.07%	0.013%
58	8.430	1593	1596	1599	rVV2	1580	1334	0.04%	0.007%
59	8.462	1599	1602	1603	rVV2	3186	2765	0.08%	0.013%
60	8.493	1604	1608	1615	rVV2	6425	8953	0.26%	0.044%
61	8.587	1620	1626	1633	rVV3	2572	4897	0.14%	0.024%
62	8.676	1635	1643	1648	rVV3	8523	13906	0.40%	0.068%
63	8.718	1648	1651	1656	rVB	2390	3056	0.09%	0.015%
64	8.817	1668	1670	1673	rVB2	3602	2178	0.06%	0.011%
65	8.875	1673	1681	1692	rBV	2908126	3423476	99.14%	16.710%
66	8.953	1694	1696	1701	rVB2	3614	3569	0.10%	0.017%
67	8.995	1701	1704	1706	rBV	1926	1640	0.05%	0.008%
68	9.021	1706	1709	1711	rBV2	1949	1252	0.04%	0.006%
69	9.048	1711	1714	1721	rBV3	2946	5720	0.17%	0.028%
70	9.136	1728	1731	1734	rVB2	2037	1297	0.04%	0.006%
71	9.199	1737	1743	1745	rVV4	2719	2661	0.08%	0.013%
72	9.231	1745	1749	1755	rVV3	2779	3282	0.10%	0.016%
73	9.283	1755	1759	1762	rVB2	2443	2502	0.07%	0.012%
74	9.356	1772	1773	1783	rVB2	1777	1818	0.05%	0.009%
75	9.487	1792	1798	1805	rVB2	3546	5951	0.17%	0.029%
76	9.659	1828	1831	1837	rVB2	1303	1479	0.04%	0.007%
77	9.754	1848	1849	1855	rVB	994	1324	0.04%	0.006%
78	9.895	1875	1876	1883	rVB2	1752	2165	0.06%	0.011%
79	9.947	1883	1886	1888	rBV2	1011	1227	0.04%	0.006%
80	10.083	1910	1912	1922	rBV2	960	1837	0.05%	0.009%
81	10.345	1961	1962	1967	rVB	1143	1501	0.04%	0.007%
82	10.434	1976	1979	1985	rVB2	2348	2426	0.07%	0.012%
83	10.611	2004	2013	2016	rBV3	2290	3383	0.10%	0.017%
84	10.721	2031	2034	2039	rBV3	1553	2241	0.06%	0.011%
85	10.847	2051	2058	2059	rVV2	1049	1685	0.05%	0.008%

LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191309.D
Acq On : 2 Dec 2024 8:01 pm
Operator : PrashanS
Sample : JE1536-5
Misc : MS87633,V3C8319,4.6,,,,1
ALS Vial : 22 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

86	10.862	2059	2061	2066	rVB	1488	1648	0.05%	0.008%
87	10.972	2079	2082	2084	rBV	1044	1213	0.04%	0.006%
88	11.014	2085	2090	2092	rVB	982	1292	0.04%	0.006%
89	11.124	2110	2111	2115	rBV2	1225	1281	0.04%	0.006%
90	11.218	2126	2129	2133	rBV2	1356	1820	0.05%	0.009%
91	11.375	2155	2159	2161	rVB	2954	2396	0.07%	0.012%
92	11.464	2173	2176	2180	rBV	1936	2725	0.08%	0.013%
93	11.699	2219	2221	2227	rVB	1665	1476	0.04%	0.007%
94	11.950	2266	2269	2274	rBV2	1952	2449	0.07%	0.012%
95	12.055	2282	2289	2293	rBV2	1992	3362	0.10%	0.016%
96	12.133	2302	2304	2307	rBV2	1185	1195	0.03%	0.006%
97	12.165	2307	2310	2312	rVV	1158	1218	0.04%	0.006%
98	12.248	2319	2326	2329	rVV3	3233	4511	0.13%	0.022%
99	12.275	2330	2331	2336	rVV2	1383	1429	0.04%	0.007%
100	12.358	2341	2347	2357	rVB2	2818	5828	0.17%	0.028%

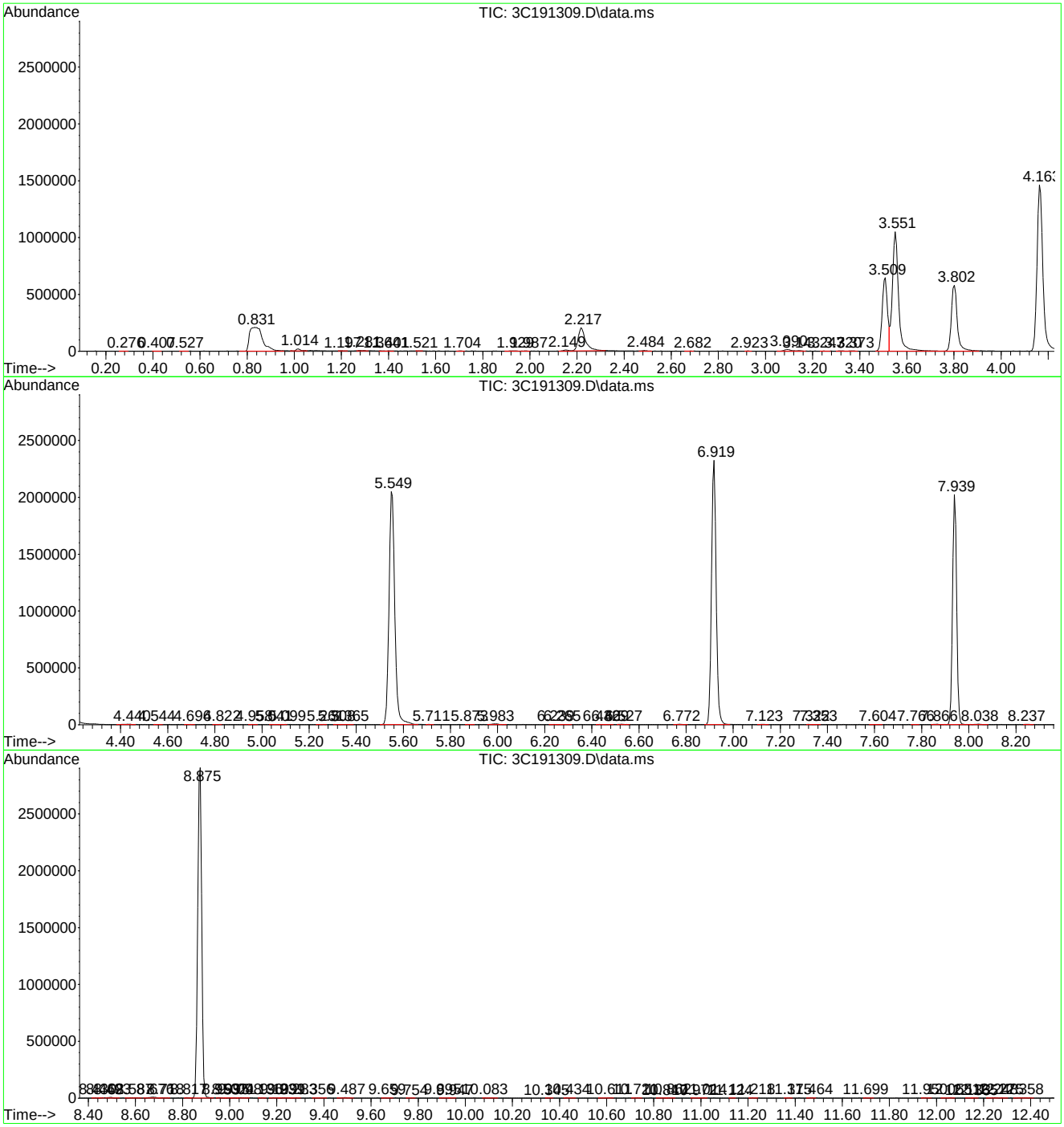
Sum of corrected areas: 20487504

LSC Report - Integrated Chromatogram

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191309.D
Acq On : 2 Dec 2024 8:01 pm
Operator : PrashanS
Sample : JE1536-5
Misc : MS87633,V3C8319,4.6,,,,1
ALS Vial : 22 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p



Library Search Compound Report

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191309.D
Acq On : 2 Dec 2024 8:01 pm
Operator : PrashanS
Sample : JE1536-5
Misc : MS87633,V3C8319,4.6,,,,1
ALS Vial : 22 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

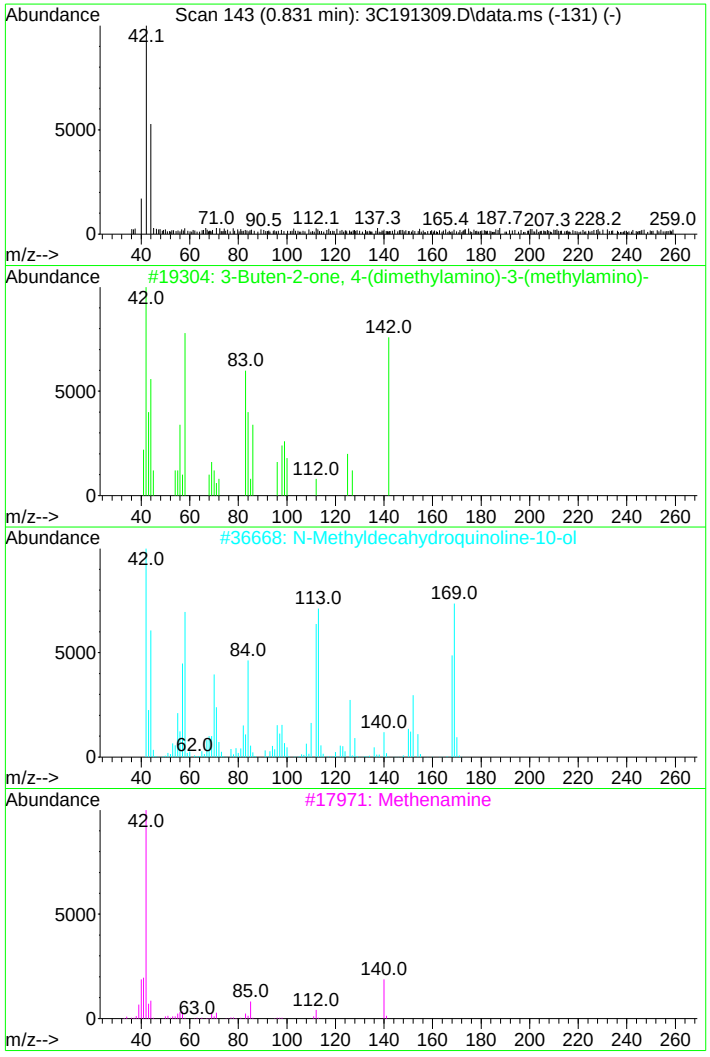
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

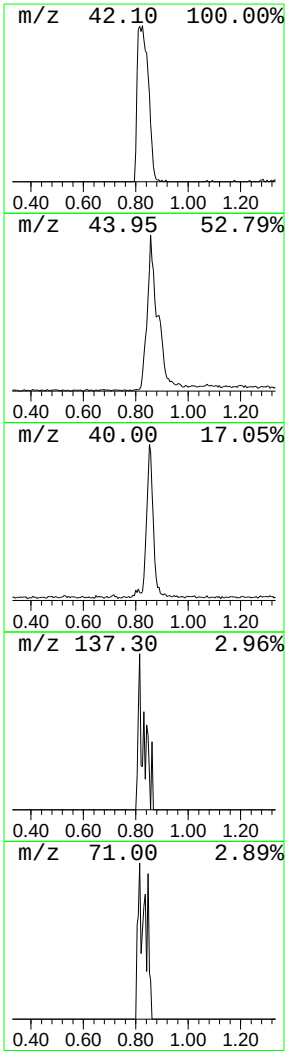
****

Peak Number 1 system artifact Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
0.831	21.61 ug/L	811643	pentafluorobenzene	3.551

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Buten-2-one, 4-(dimethylamino)...	142	C7H14N2O	049582-63-0	68
2	N-Methyldecahydroquinoline-10-ol	169	C10H19NO	101276-50-0	64
3	Methenamine	140	C6H12N4	000100-97-0	46
4	Piperazine, 1-ethyl-4-(4-piperid...	197	C11H23N3	202991-77-3	43
5	(3S)-(+)-1-Benzyl-3-aminopyrroli...	176	C11H16N2	114715-38-7	43





Tentatively Identified Compound (LSC) summary

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191309.D
Acq On : 2 Dec 2024 8:01 pm
Operator : PrashanS
Sample : JE1536-5
Misc : MS87633,V3C8319,4.6,,,,1
ALS Vial : 22 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
system artifact	0.831	21.6	ug/L	811643	2	3.551	1877690	50.0

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191310.D
Acq On : 2 Dec 2024 8:27 pm
Operator : PrashanS
Sample : JE1536-6 Inst : GCMS3C
Misc : MS87633,V3C8319,5.4,,,,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Dec 03 14:50:42 2024
Quant Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
QLast Update : Mon Aug 19 09:54:16 2024
Response via : Initial Calibration

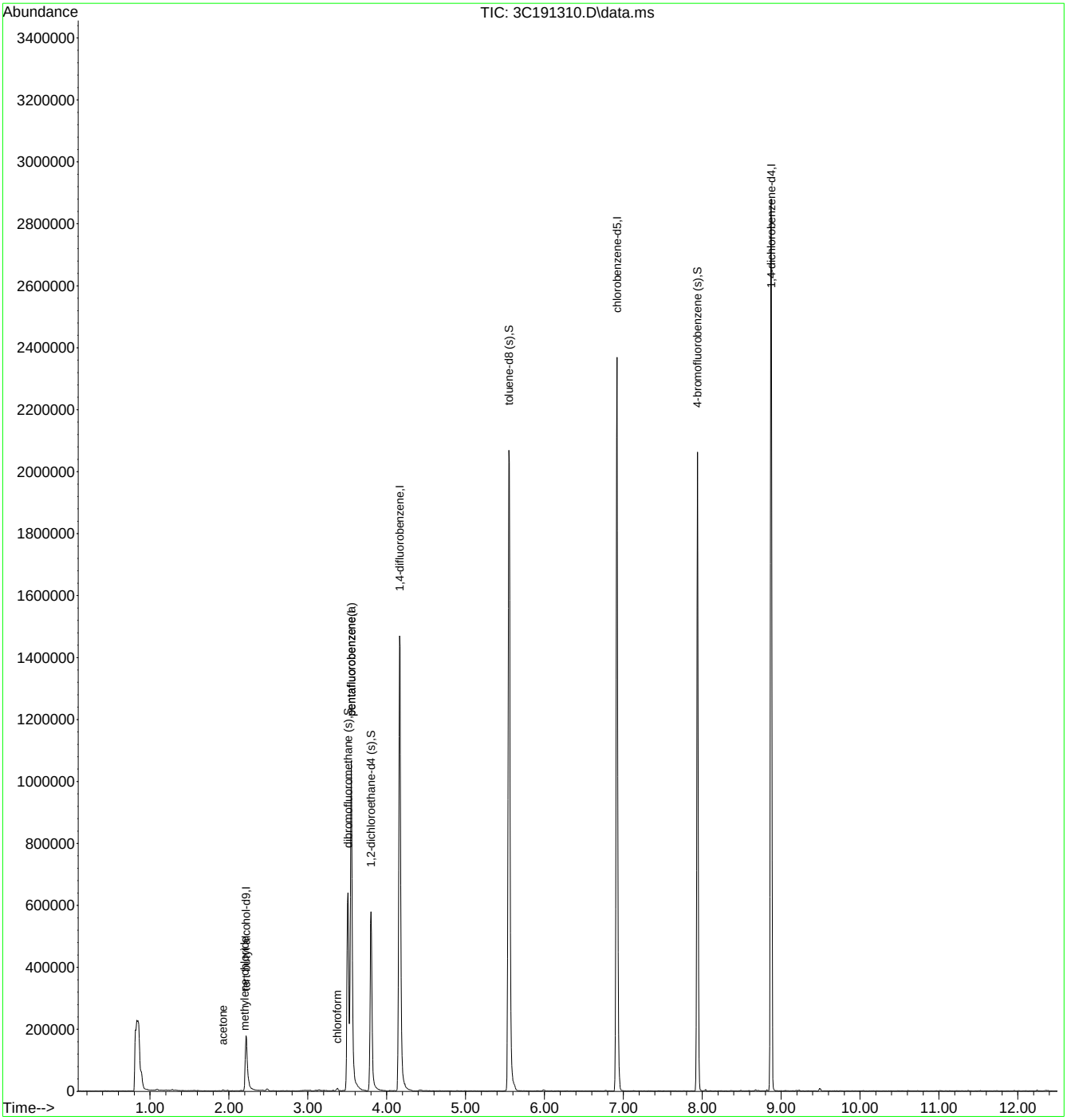
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.217	65	175903	500.00	ug/L	0.00
5) pentafluorobenzene	3.551	168	652071	50.00	ug/L	0.00
50) 1,4-difluorobenzene	4.163	114	1086453	50.00	ug/L	0.00
72) chlorobenzene-d5	6.919	117	1055604	50.00	ug/L	0.00
95) 1,4-dichlorobenzene-d4	8.875	152	569209	50.00	ug/L	0.00
123) pentafluorobenzene(a)	3.551	168	652071	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	3.509	113	327789	47.22	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 94.44%			
51) 1,2-dichloroethane-d4 (s)	3.802	65	338691	51.03	ug/L	0.00
Spiked Amount 50.000	Range 75 - 133		Recovery = 102.06%			
73) toluene-d8 (s)	5.549	98	1259932	43.92	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 87.84%			
96) 4-bromofluorobenzene (s)	7.939	95	470060	44.23	ug/L	0.00
Spiked Amount 50.000	Range 58 - 148		Recovery = 88.46%			
Target Compounds						Qvalue
18) acetone	1.924	58	938	2.3301	ug/L #	58
22) methylene chloride	2.201	84	4104	0.7937	ug/L	87
40) chloroform	3.373	83	4787	0.5527	ug/L	73

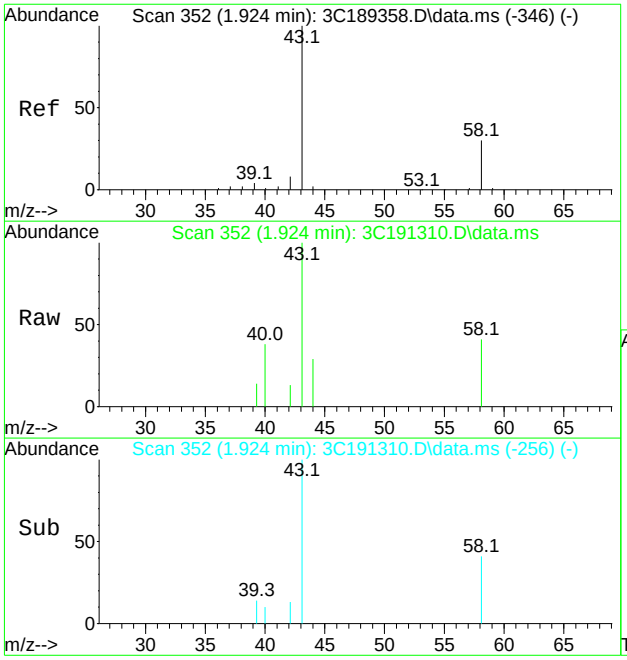
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191310.D
Acq On : 2 Dec 2024 8:27 pm
Operator : PrashanS
Sample : JE1536-6 Inst : GCMS3C
Misc : MS87633,V3C8319,5.4,,,,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Dec 03 14:50:42 2024
Quant Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
QLast Update : Mon Aug 19 09:54:16 2024
Response via : Initial Calibration

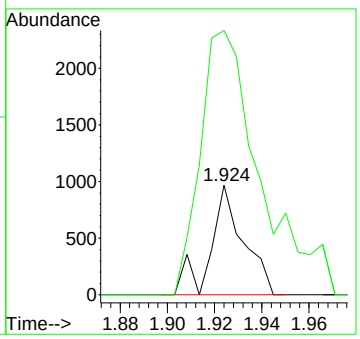


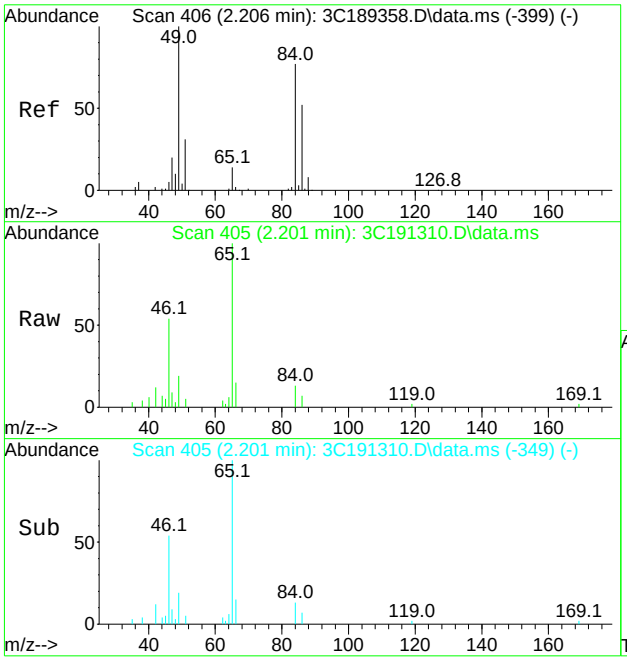


#18
acetone
Concen: 2.3301 ug/L
RT: 1.924 min Scan# 352
Delta R.T. -0.000 min
Lab File: 3C191310.D
Acq: 2 Dec 2024 8:27 pm

Tgt Ion: 58 Resp: 938

Ion	Ratio	Lower	Upper
58	100		
43	241.1	298.3	358.3#

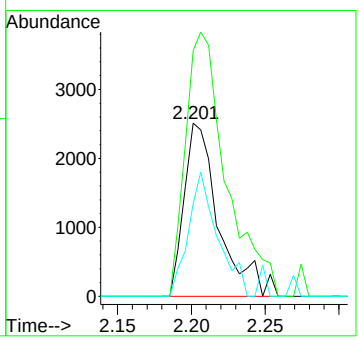


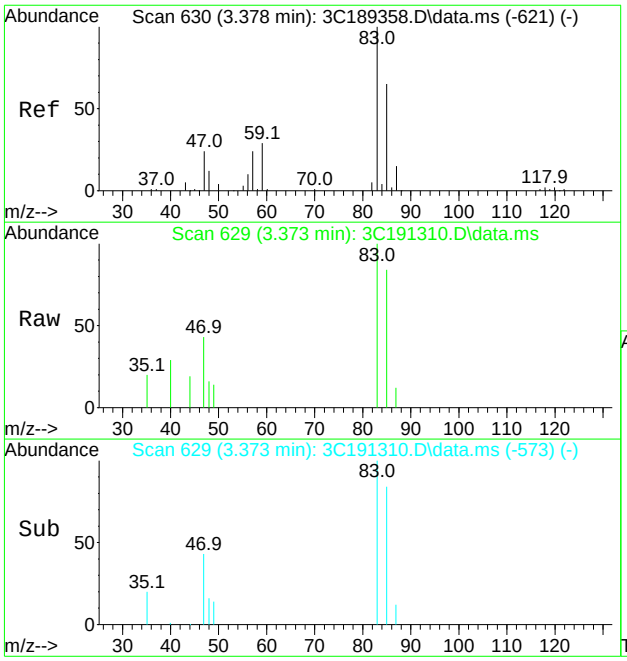


#22
methylene chloride
Concen: 0.7937 ug/L
RT: 2.201 min Scan# 405
Delta R.T. -0.005 min
Lab File: 3C191310.D
Acq: 2 Dec 2024 8:27 pm

Tgt Ion: 84 Resp: 4104

Ion	Ratio	Lower	Upper
84	100		
49	142.0	100.3	160.3
86	53.6	37.9	97.9

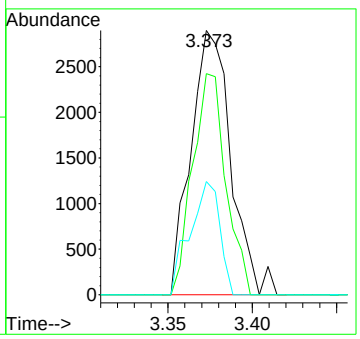




#40
chloroform
Concen: 0.5527 ug/L
RT: 3.373 min Scan# 629
Delta R.T. -0.005 min
Lab File: 3C191310.D
Acq: 2 Dec 2024 8:27 pm

Tgt Ion: 83 Resp: 4787

Ion	Ratio	Lower	Upper
83	100		
85	83.6	34.9	94.9
47	42.9	0.0	55.3



LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191310.D
Acq On : 2 Dec 2024 8:27 pm
Operator : PrashanS
Sample : JE1536-6
Misc : MS87633,V3C8319,5.4,,,,1
ALS Vial : 23 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

Signal : TIC: 3C191310.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	0.188	16	20	27	rBV2	1269	2835	0.08%	0.014%
2	0.433	63	67	71	rVB2	1704	1789	0.05%	0.009%
3	0.475	71	75	79	rVB2	1222	1776	0.05%	0.009%
4	0.538	79	87	90	rBV2	1493	2366	0.07%	0.011%
5	0.658	107	110	115	rVB	1595	1909	0.05%	0.009%
6	0.831	135	143	173	rBV2	228723	953945	27.36%	4.611%
7	1.092	189	193	196	rVB2	3497	4664	0.13%	0.023%
8	1.207	210	215	217	rBV	2293	3284	0.09%	0.016%
9	1.281	223	229	233	rBV3	3700	5904	0.17%	0.029%
10	1.323	233	237	246	rVB4	2926	7411	0.21%	0.036%
11	1.547	279	280	288	rVV3	1775	2399	0.07%	0.012%
12	1.882	338	344	348	rVB2	1353	2035	0.06%	0.010%
13	1.924	348	352	360	rBV3	4410	7512	0.22%	0.036%
14	1.982	360	363	366	rVV	2566	2232	0.06%	0.011%
15	2.039	371	374	377	rBV2	1733	2152	0.06%	0.010%
16	2.076	380	381	386	rBV2	1548	2401	0.07%	0.012%
17	2.149	390	395	397	rBV2	2081	2686	0.08%	0.013%
18	2.217	400	408	431	rBV	177763	382364	10.97%	1.848%
19	2.489	454	460	465	rVB6	6516	12306	0.35%	0.059%
20	2.562	470	474	478	rVB2	1299	1696	0.05%	0.008%
21	2.688	495	498	502	rVV	1523	1554	0.04%	0.008%
22	2.740	504	508	510	rVV	1385	1481	0.04%	0.007%
23	2.808	517	521	525	rVB	1285	1668	0.05%	0.008%
24	2.902	536	539	544	rVV3	1307	1514	0.04%	0.007%
25	2.965	544	551	555	rBV5	2566	5245	0.15%	0.025%
26	3.101	571	577	581	rBV3	2432	4180	0.12%	0.020%
27	3.148	581	586	592	rVV5	4017	6847	0.20%	0.033%
28	3.205	592	597	599	rBV3	2032	1674	0.05%	0.008%
29	3.326	615	620	623	rBV	2432	2352	0.07%	0.011%
30	3.373	623	629	635	rBV3	8347	12711	0.36%	0.061%
31	3.451	639	644	645	rBV4	2083	2324	0.07%	0.011%
32	3.509	646	655	659	rVV	639885	1062531	30.48%	5.136%
33	3.551	659	663	697	rVV	1065168	1829655	52.48%	8.844%
34	3.802	701	711	739	rBV	578735	1014299	29.09%	4.903%
35	4.037	751	756	758	rBV	2627	2438	0.07%	0.012%
36	4.100	765	768	771	rBV3	1747	2196	0.06%	0.011%
37	4.163	771	780	813	rVB	1469580	2539484	72.84%	12.275%
38	4.434	824	832	840	rVV3	3412	8615	0.25%	0.042%
39	4.497	840	844	850	rVB3	1378	2921	0.08%	0.014%
40	4.680	874	879	881	rBV	1380	1594	0.05%	0.008%

LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191310.D
Acq On : 2 Dec 2024 8:27 pm
Operator : PrashanS
Sample : JE1536-6
Misc : MS87633,V3C8319,5.4,,,,1
ALS Vial : 23 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

41	4.816	904	905	909	rBV2	1533	1649	0.05%	0.008%
42	4.890	916	919	923	rBV3	1772	2022	0.06%	0.010%
43	5.491	1030	1034	1036	rBV	1837	1960	0.06%	0.009%
44	5.549	1036	1045	1068	rVV	2068903	3476061	99.70%	16.802%
45	5.768	1084	1087	1089	rVB	1583	1499	0.04%	0.007%
46	5.988	1124	1129	1135	rVB3	3512	6064	0.17%	0.029%
47	6.082	1145	1147	1154	rVB	1102	1570	0.05%	0.008%
48	6.197	1166	1169	1173	rBV	1116	1631	0.05%	0.008%
49	6.333	1192	1195	1202	rVB2	1510	2143	0.06%	0.010%
50	6.636	1248	1253	1257	rBV	1069	1597	0.05%	0.008%
51	6.778	1275	1280	1284	rVB3	1922	3053	0.09%	0.015%
52	6.919	1298	1307	1321	rBV	2368436	3213132	92.16%	15.531%
53	7.133	1343	1348	1355	rVV2	1953	3352	0.10%	0.016%
54	7.400	1396	1399	1404	rBV2	1296	2022	0.06%	0.010%
55	7.442	1404	1407	1411	rVB2	1813	1835	0.05%	0.009%
56	7.761	1464	1468	1475	rVB2	925	1987	0.06%	0.010%
57	7.939	1494	1502	1515	rBV	2062657	2452810	70.35%	11.856%
58	8.043	1515	1522	1525	rBV3	4745	4688	0.13%	0.023%
59	8.169	1541	1546	1551	rVB2	1367	2247	0.06%	0.011%
60	8.211	1551	1554	1556	rBV	1327	1604	0.05%	0.008%
61	8.362	1575	1583	1591	rBV3	2250	5833	0.17%	0.028%
62	8.493	1604	1608	1612	rBV3	2359	2729	0.08%	0.013%
63	8.593	1625	1627	1634	rVB2	2165	1864	0.05%	0.009%
64	8.676	1637	1643	1648	rBV3	4653	6899	0.20%	0.033%
65	8.713	1648	1650	1656	rVV2	2121	2088	0.06%	0.010%
66	8.817	1667	1670	1674	rVV3	3942	2810	0.08%	0.014%
67	8.875	1674	1681	1692	rVB	2879263	3486502	100.00%	16.852%
68	9.001	1702	1705	1707	rBV	2167	1644	0.05%	0.008%
69	9.147	1732	1733	1737	rVB	2003	1484	0.04%	0.007%
70	9.194	1737	1742	1745	rBV4	2755	3928	0.11%	0.019%
71	9.231	1745	1749	1754	rVV3	3489	4362	0.13%	0.021%
72	9.419	1782	1785	1794	rVB2	1363	2817	0.08%	0.014%
73	9.487	1794	1798	1805	rBV2	8835	13450	0.39%	0.065%
74	9.707	1836	1840	1843	rVB2	1631	1578	0.05%	0.008%
75	9.748	1843	1848	1852	rBV2	1272	2428	0.07%	0.012%
76	10.041	1901	1904	1910	rVB2	1757	2212	0.06%	0.011%
77	10.115	1912	1918	1922	rBV	1063	2020	0.06%	0.010%
78	10.172	1927	1929	1933	rVB	1512	1628	0.05%	0.008%
79	10.214	1933	1937	1940	rBV2	1476	2413	0.07%	0.012%
80	10.533	1995	1998	2004	rBV2	1557	2261	0.06%	0.011%
81	10.726	2032	2035	2039	rBV2	1661	1818	0.05%	0.009%
82	11.014	2086	2090	2092	rBV	1394	1608	0.05%	0.008%
83	11.082	2100	2103	2109	rVB2	1467	2420	0.07%	0.012%
84	11.134	2109	2113	2114	rBV2	1602	1498	0.04%	0.007%
85	11.223	2127	2130	2134	rVB2	1877	2430	0.07%	0.012%

LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191310.D
Acq On : 2 Dec 2024 8:27 pm
Operator : PrashanS
Sample : JE1536-6
Misc : MS87633,V3C8319,5.4,,,,1
ALS Vial : 23 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

86	11.260	2134	2137	2140	rBV2	1548	2076	0.06%	0.010%
87	11.297	2140	2144	2147	rVV2	1201	1609	0.05%	0.008%
88	11.370	2154	2158	2162	rBV3	2577	3188	0.09%	0.015%
89	11.459	2172	2175	2180	rVB2	1659	2361	0.07%	0.011%
90	11.501	2180	2183	2186	rBV2	1397	2038	0.06%	0.010%
91	11.589	2197	2200	2204	rBV	1087	1492	0.04%	0.007%
92	11.741	2224	2229	2233	rVB	2126	2656	0.08%	0.013%
93	11.956	2265	2270	2275	rVV2	2281	3008	0.09%	0.015%
94	12.013	2280	2281	2286	rVV2	1807	1719	0.05%	0.008%
95	12.097	2296	2297	2303	rVB2	1619	1851	0.05%	0.009%
96	12.160	2303	2309	2310	rBV2	1064	1518	0.04%	0.007%
97	12.243	2320	2325	2330	rVV3	3916	3554	0.10%	0.017%
98	12.290	2330	2334	2339	rVV	1288	1749	0.05%	0.008%
99	12.364	2339	2348	2350	rVV4	2866	4934	0.14%	0.024%
100	12.384	2350	2352	2355	rVV	2743	2100	0.06%	0.010%

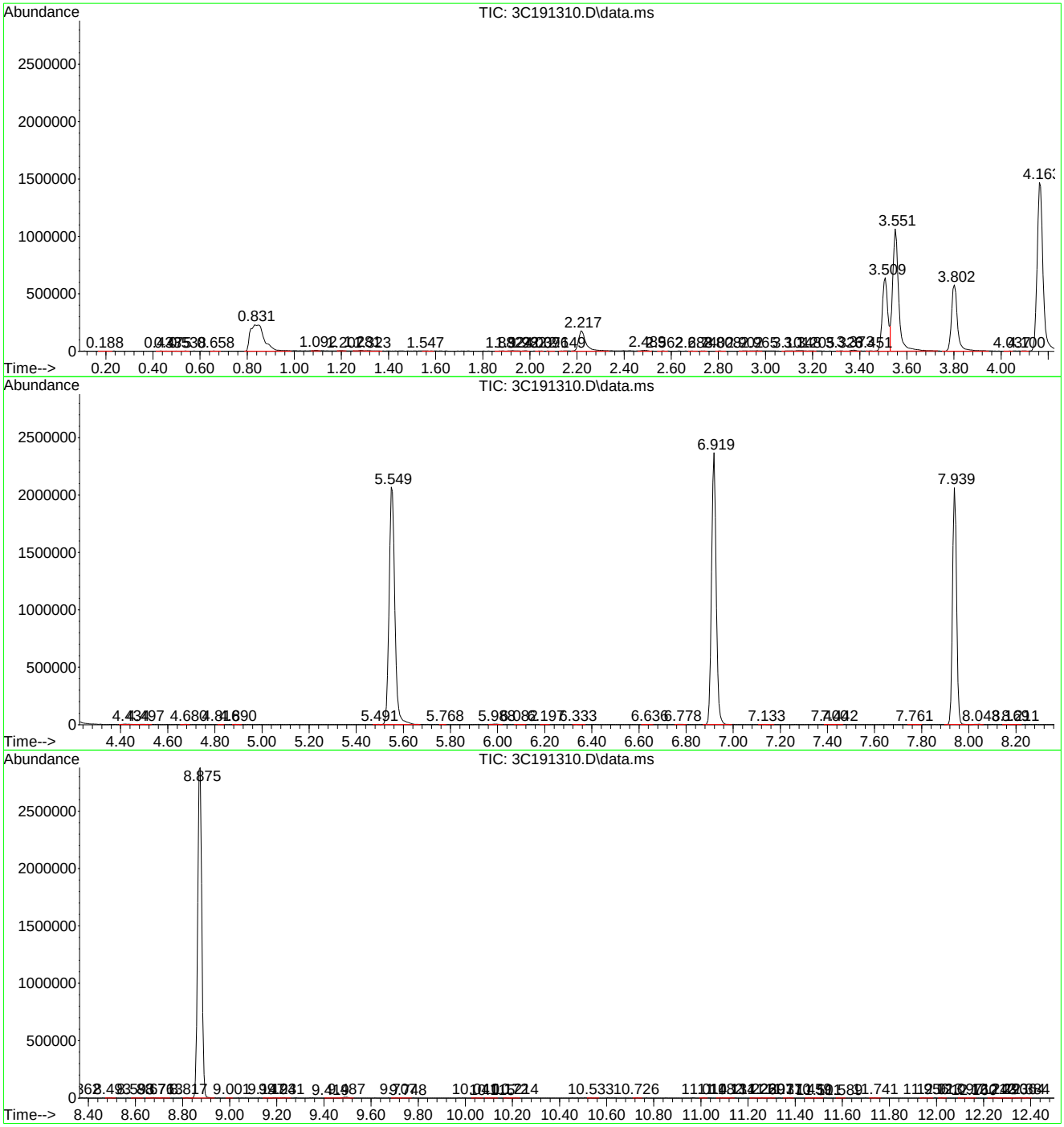
Sum of corrected areas: 20688452

LSC Report - Integrated Chromatogram

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191310.D
Acq On : 2 Dec 2024 8:27 pm
Operator : PrashanS
Sample : JE1536-6
Misc : MS87633,V3C8319,5.4,,,,1
ALS Vial : 23 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p



Library Search Compound Report

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191310.D
Acq On : 2 Dec 2024 8:27 pm
Operator : PrashanS
Sample : JE1536-6
Misc : MS87633,V3C8319,5.4,,,,1
ALS Vial : 23 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

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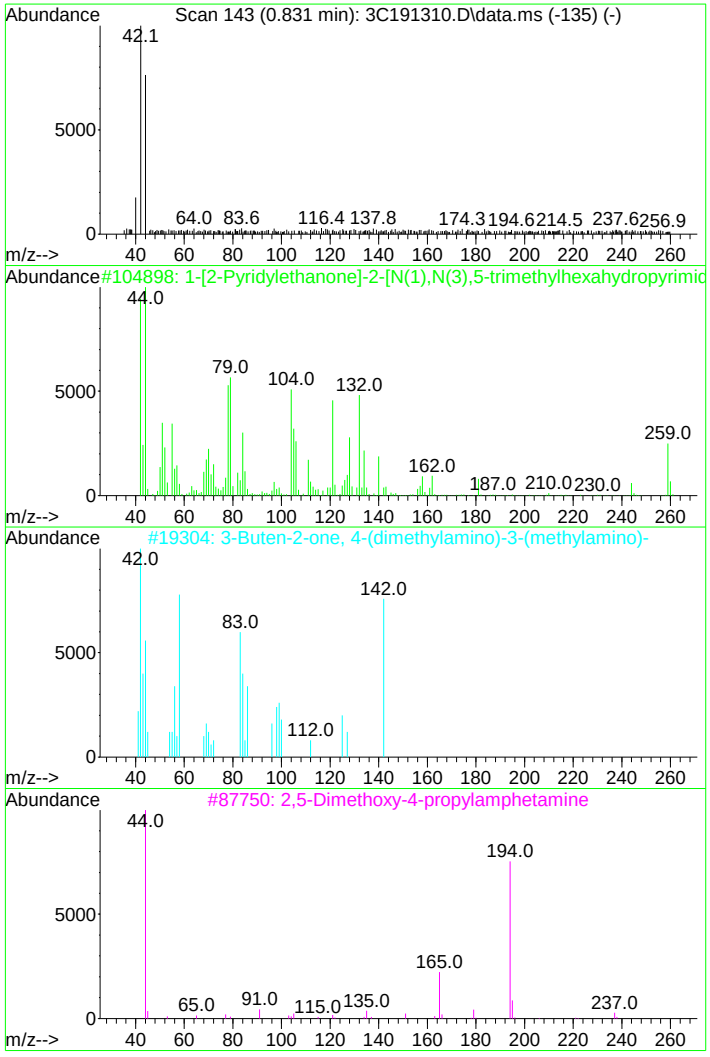
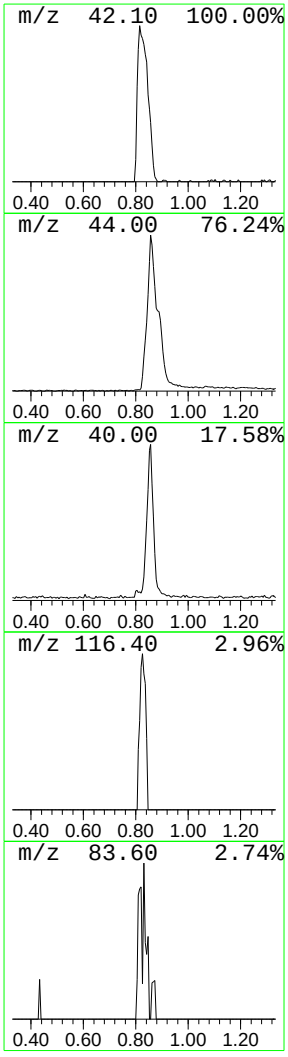
Peak Number 1 system artifact Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
0.831	26.07 ug/L	953945	pentafluorobenzene	3.551

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-[2-Pyridylethanone]-2-[N(1),N(...	259	C14H21N5	1000212-28-8	96
2	3-Buten-2-one, 4-(dimethylamino)...	142	C7H14N2O	049582-63-0	81
3	2,5-Dimethoxy-4-propylamphetamine	237	C14H23NO2	063779-88-4	50
4	2,2-Dimethyl-5,7-dinitro-1,3-dia...	256	C10H16N4O4	129886-84-6	42
5	2,5-Dimethoxy-4-(methylthionyl)a...	257	C12H19NO3S	146724-74-5	30





Tentatively Identified Compound (LSC) summary

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191310.D
Acq On : 2 Dec 2024 8:27 pm
Operator : PrashanS
Sample : JE1536-6
Misc : MS87633,V3C8319,5.4,,,,1
ALS Vial : 23 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
system artifact	0.831	26.1	ug/L	953945	2	3.551	1829660	50.0

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191311.D
Acq On : 2 Dec 2024 8:53 pm
Operator : PrashanS
Sample : JE1536-7 Inst : GCMS3C
Misc : MS87633,V3C8319,5.8,,,,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Dec 03 14:52:01 2024
Quant Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
QLast Update : Mon Aug 19 09:54:16 2024
Response via : Initial Calibration

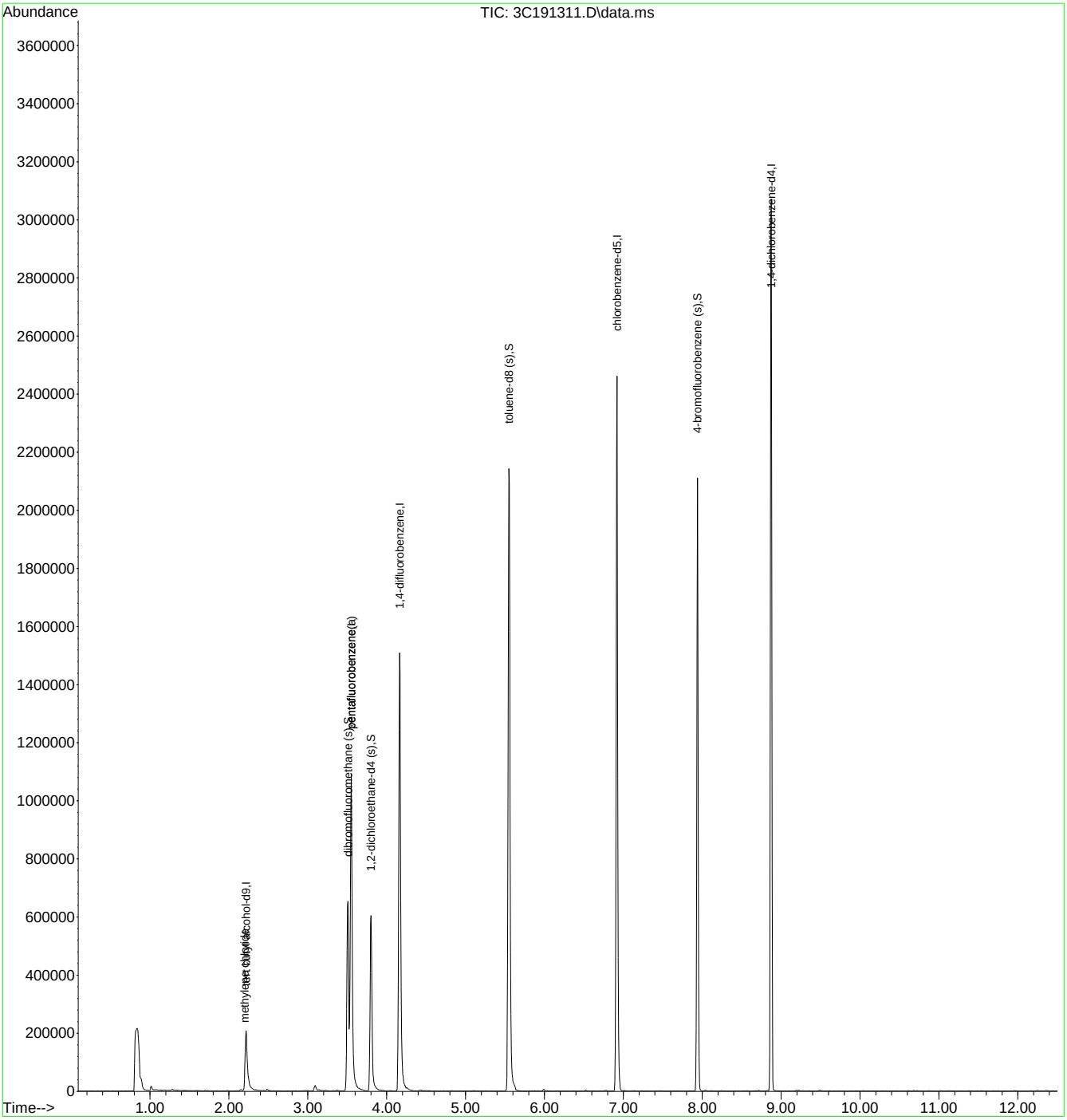
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.217	65	188423	500.00	ug/L	0.00
5) pentafluorobenzene	3.550	168	668837	50.00	ug/L	0.00
50) 1,4-difluorobenzene	4.162	114	1123428	50.00	ug/L	0.00
72) chlorobenzene-d5	6.919	117	1081572	50.00	ug/L	0.00
95) 1,4-dichlorobenzene-d4	8.875	152	587009	50.00	ug/L	0.00
123) pentafluorobenzene(a)	3.550	168	668837	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	3.509	113	334543	46.99	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 93.98%			
51) 1,2-dichloroethane-d4 (s)	3.802	65	356416	51.93	ug/L	0.00
Spiked Amount 50.000	Range 75 - 133		Recovery = 103.86%			
73) toluene-d8 (s)	5.548	98	1317958	44.84	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 89.68%			
96) 4-bromofluorobenzene (s)	7.939	95	480805	43.87	ug/L	0.00
Spiked Amount 50.000	Range 58 - 148		Recovery = 87.74%			
Target Compounds						Qvalue
22) methylene chloride	2.201	84	13230	2.4944	ug/L	95

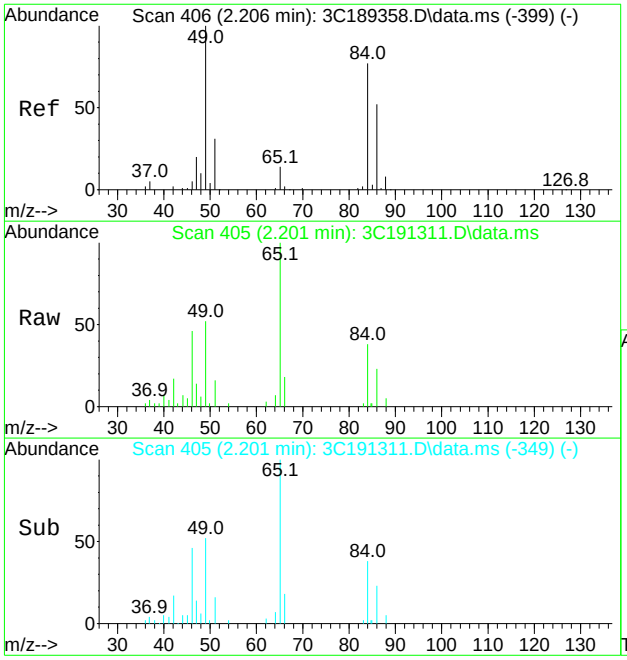
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191311.D
Acq On : 2 Dec 2024 8:53 pm
Operator : PrashanS
Sample : JE1536-7 Inst : GCMS3C
Misc : MS87633,V3C8319,5.8,,,,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Dec 03 14:52:01 2024
Quant Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
QLast Update : Mon Aug 19 09:54:16 2024
Response via : Initial Calibration

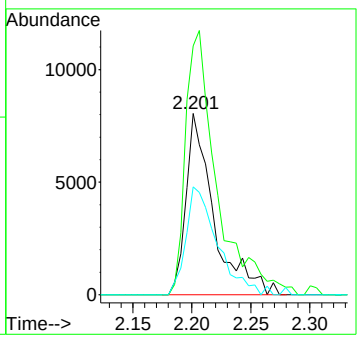




#22
methylene chloride
Concen: 2.4944 ug/L
RT: 2.201 min Scan# 405
Delta R.T. -0.005 min
Lab File: 3C191311.D
Acq: 2 Dec 2024 8:53 pm

Tgt Ion: 84 Resp: 13230

Ion	Ratio	Lower	Upper
84	100		
49	131.9	100.3	160.3
86	57.2	37.9	97.9



LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191311.D
Acq On : 2 Dec 2024 8:53 pm
Operator : PrashanS
Sample : JE1536-7
Misc : MS87633,V3C8319,5.8,,,,1
ALS Vial : 24 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

Signal : TIC: 3C191311.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	0.255	32	33	36	rBV	1866	1209	0.03%	0.006%
2	0.381	54	57	63	rVB	1434	2343	0.06%	0.011%
3	0.423	63	65	69	rBV2	1388	1824	0.05%	0.009%
4	0.538	81	87	90	rBV2	1365	2256	0.06%	0.011%
5	0.726	121	123	125	rVB2	1023	799	0.02%	0.004%
6	0.836	135	144	167	rBV3	217106	833943	23.13%	3.929%
7	1.019	175	179	186	rBV	14372	20746	0.58%	0.098%
8	1.134	198	201	203	rVB3	2678	2756	0.08%	0.013%
9	1.286	224	230	233	rBV4	5207	7450	0.21%	0.035%
10	1.568	283	284	287	rVB2	1428	1028	0.03%	0.005%
11	1.699	305	309	314	rVB3	2520	3666	0.10%	0.017%
12	1.730	314	315	319	rBV	1570	1320	0.04%	0.006%
13	1.976	360	362	367	rVB3	1650	1993	0.06%	0.009%
14	2.159	390	397	400	rBV3	4444	7965	0.22%	0.038%
15	2.217	400	408	430	rVV2	206458	453823	12.59%	2.138%
16	2.484	455	459	467	rVB4	6230	9977	0.28%	0.047%
17	2.562	472	474	481	rVB2	1615	2255	0.06%	0.011%
18	2.614	481	484	487	rBV	1364	1663	0.05%	0.008%
19	2.735	505	507	512	rVB2	1204	1391	0.04%	0.007%
20	2.771	512	514	516	rBV2	1272	881	0.02%	0.004%
21	2.797	517	519	523	rVV2	798	848	0.02%	0.004%
22	2.939	543	546	547	rBV	834	827	0.02%	0.004%
23	3.095	569	576	582	rBV2	19182	33503	0.93%	0.158%
24	3.326	616	620	623	rVB2	1600	2368	0.07%	0.011%
25	3.367	625	628	635	rVV3	2988	4328	0.12%	0.020%
26	3.430	638	640	643	rBV	1142	1004	0.03%	0.005%
27	3.509	647	655	658	rVV	653150	1030916	28.59%	4.857%
28	3.550	658	663	697	rVB	1091841	1946413	53.99%	9.171%
29	3.802	702	711	747	rVB	604310	1050395	29.14%	4.949%
30	4.000	747	749	753	rVB2	1324	1424	0.04%	0.007%
31	4.042	754	757	760	rVB	1908	2066	0.06%	0.010%
32	4.074	760	763	769	rVB	1457	2294	0.06%	0.011%
33	4.162	770	780	815	rVB	1508318	2614346	72.52%	12.318%
34	4.361	815	818	821	rBV	1439	1312	0.04%	0.006%
35	4.434	825	832	835	rBV3	3917	8204	0.23%	0.039%
36	4.685	876	880	882	rBV	1303	1301	0.04%	0.006%
37	4.722	884	887	889	rVB	1638	910	0.03%	0.004%
38	4.769	893	896	899	rBV2	1286	879	0.02%	0.004%
39	5.099	956	959	961	rBV	1713	1377	0.04%	0.006%
40	5.151	967	969	971	rVB	1342	1215	0.03%	0.006%

LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191311.D
Acq On : 2 Dec 2024 8:53 pm
Operator : PrashanS
Sample : JE1536-7
Misc : MS87633,V3C8319,5.8,,,,1
ALS Vial : 24 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

41	5.444	1022	1025	1027	rVB2	1679	1337	0.04%	0.006%
42	5.460	1027	1028	1033	rBV	1048	1322	0.04%	0.006%
43	5.548	1037	1045	1070	rVV	2142932	3596908	99.77%	16.947%
44	5.815	1088	1096	1097	rBV2	1134	1860	0.05%	0.009%
45	5.878	1104	1108	1110	rBV2	2056	1381	0.04%	0.007%
46	5.988	1121	1129	1136	rBV3	5713	10101	0.28%	0.048%
47	6.056	1140	1142	1147	rBV2	1169	1258	0.03%	0.006%
48	6.160	1161	1162	1168	rVB2	1346	1432	0.04%	0.007%
49	6.443	1210	1216	1219	rVB2	951	1161	0.03%	0.005%
50	6.521	1227	1231	1236	rBV3	2835	3739	0.10%	0.018%
51	6.778	1271	1280	1286	rBV4	2327	4695	0.13%	0.022%
52	6.856	1293	1295	1298	rBV2	1047	1078	0.03%	0.005%
53	6.919	1298	1307	1322	rBV	2461857	3310177	91.82%	15.596%
54	7.233	1362	1367	1371	rVB2	1535	1547	0.04%	0.007%
55	7.457	1408	1410	1415	rBV2	1102	1809	0.05%	0.009%
56	7.593	1434	1436	1438	rBV	1219	1023	0.03%	0.005%
57	7.646	1442	1446	1448	rVV2	1257	1481	0.04%	0.007%
58	7.672	1450	1451	1454	rVB2	1083	847	0.02%	0.004%
59	7.939	1494	1502	1516	rVB	2110958	2541676	70.50%	11.975%
60	8.043	1516	1522	1526	rBV3	3761	5819	0.16%	0.027%
61	8.116	1533	1536	1538	rVB2	1577	961	0.03%	0.005%
62	8.237	1557	1559	1564	rBV2	2368	3062	0.08%	0.014%
63	8.294	1568	1570	1575	rVV2	1448	1018	0.03%	0.005%
64	8.378	1584	1586	1590	rBV2	966	1084	0.03%	0.005%
65	8.572	1620	1623	1625	rBV	1870	1222	0.03%	0.006%
66	8.650	1637	1638	1641	rBV2	1677	1060	0.03%	0.005%
67	8.676	1641	1643	1646	rVV	1605	1247	0.03%	0.006%
68	8.781	1660	1663	1665	rBV2	1653	1275	0.04%	0.006%
69	8.823	1669	1671	1673	rBV2	2231	2136	0.06%	0.010%
70	8.875	1673	1681	1690	rVB	3070785	3605242	100.00%	16.986%
71	9.058	1712	1716	1720	rVB2	1119	1542	0.04%	0.007%
72	9.189	1737	1741	1746	rBV3	2617	3783	0.10%	0.018%
73	9.220	1746	1747	1752	rVB3	2809	3010	0.08%	0.014%
74	9.340	1767	1770	1773	rBV2	1213	1714	0.05%	0.008%
75	9.492	1793	1799	1804	rBV3	3108	4852	0.13%	0.023%
76	9.712	1838	1841	1843	rBV	1258	833	0.02%	0.004%
77	10.041	1900	1904	1908	rVB2	1956	2073	0.06%	0.010%
78	10.177	1927	1930	1933	rBV	1892	2044	0.06%	0.010%
79	10.381	1967	1969	1975	rVB2	1501	1491	0.04%	0.007%
80	10.475	1985	1987	1993	rVB2	754	778	0.02%	0.004%
81	10.611	2009	2013	2016	rVB2	1764	1962	0.05%	0.009%
82	10.685	2023	2027	2030	rVB2	2328	2146	0.06%	0.010%
83	10.721	2032	2034	2037	rBV2	1650	1680	0.05%	0.008%
84	10.836	2054	2056	2058	rVB	1601	1050	0.03%	0.005%
85	10.873	2058	2063	2065	rBV2	1830	2265	0.06%	0.011%

LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191311.D
Acq On : 2 Dec 2024 8:53 pm
Operator : PrashanS
Sample : JE1536-7
Misc : MS87633,V3C8319,5.8,,,,1
ALS Vial : 24 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

86	11.019	2088	2091	2097	rBV2	1583	1979	0.05%	0.009%
87	11.113	2105	2109	2111	rBV	1423	1240	0.03%	0.006%
88	11.187	2121	2123	2126	rBV2	1534	1182	0.03%	0.006%
89	11.380	2156	2160	2164	rBV2	1589	1690	0.05%	0.008%
90	11.469	2174	2177	2178	rBV	1071	981	0.03%	0.005%
91	11.532	2186	2189	2192	rBV	1568	1177	0.03%	0.006%
92	11.684	2216	2218	2223	rBV	1372	1462	0.04%	0.007%
93	11.757	2229	2232	2234	rBV2	1786	1167	0.03%	0.005%
94	11.950	2266	2269	2274	rBV2	1482	1840	0.05%	0.009%
95	12.170	2306	2311	2313	rBV	1483	1647	0.05%	0.008%
96	12.243	2322	2325	2332	rVB2	1285	1967	0.05%	0.009%
97	12.353	2342	2346	2350	rBV3	1757	2469	0.07%	0.012%

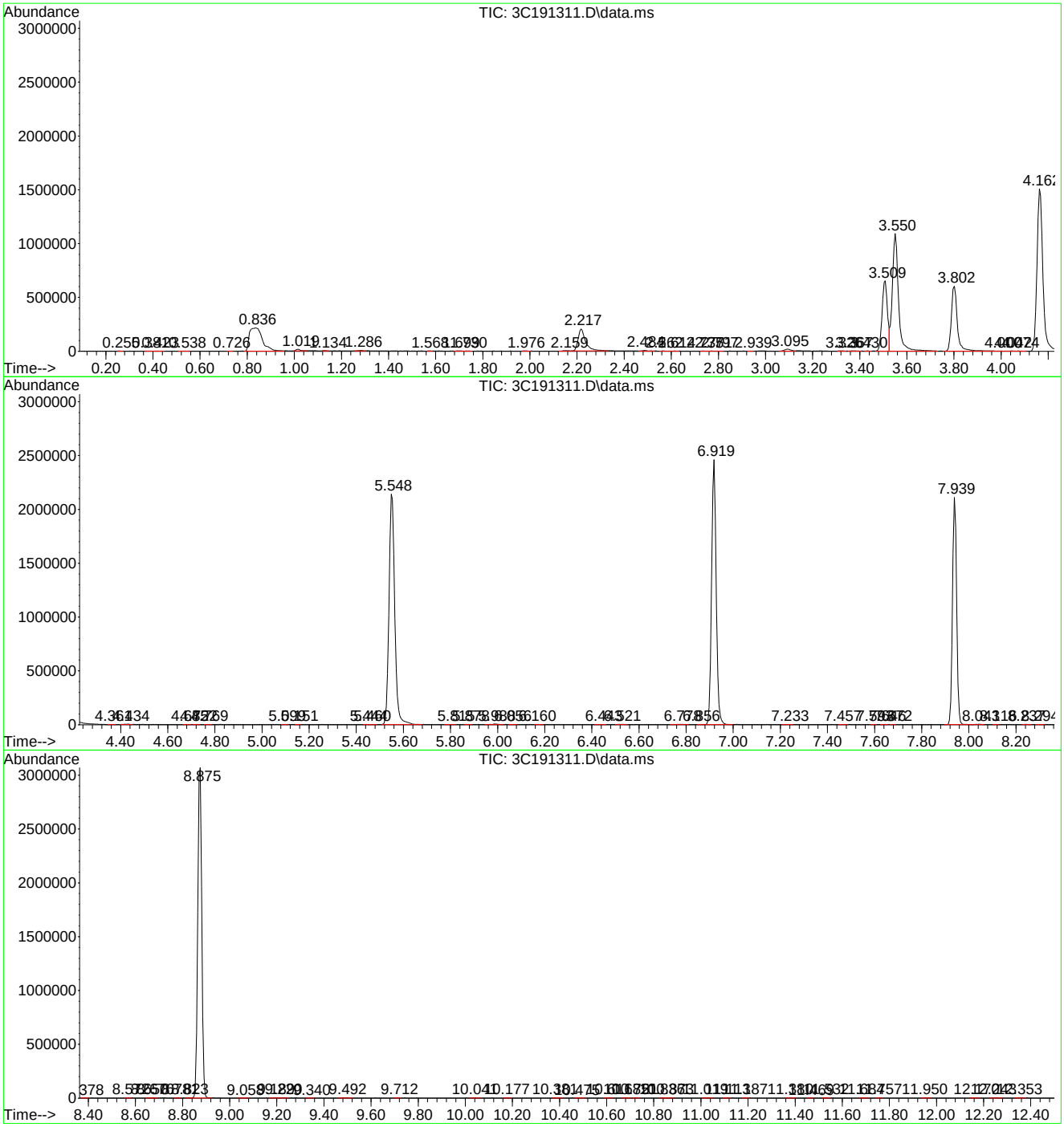
Sum of corrected areas: 21224200

LSC Report - Integrated Chromatogram

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191311.D
Acq On : 2 Dec 2024 8:53 pm
Operator : PrashanS
Sample : JE1536-7
Misc : MS87633,V3C8319,5.8,,,,1
ALS Vial : 24 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p



Library Search Compound Report

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191311.D
Acq On : 2 Dec 2024 8:53 pm
Operator : PrashanS
Sample : JE1536-7
Misc : MS87633,V3C8319,5.8,,,,1
ALS Vial : 24 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

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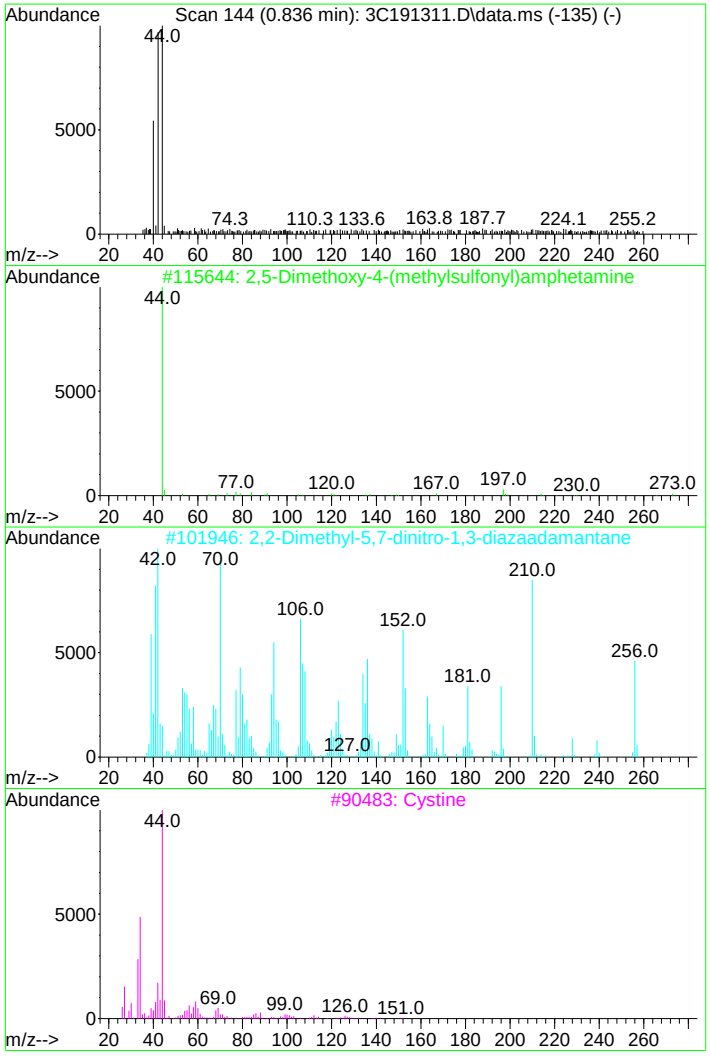
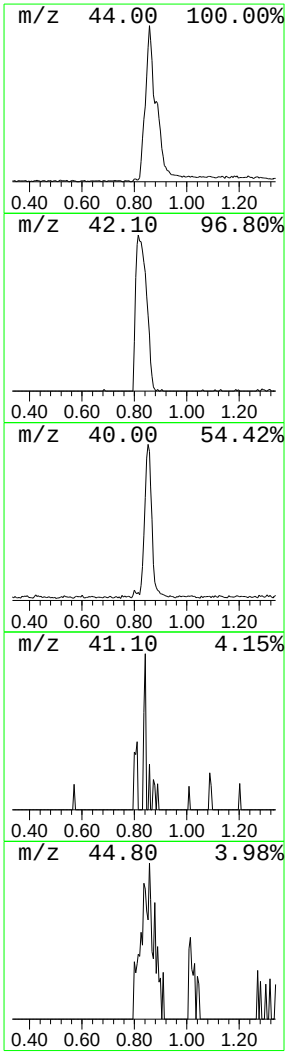
Peak Number 1 system artifact Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
0.836	21.42 ug/L	833943	pentafluorobenzene	3.550

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5-Dimethoxy-4-(methylsulfonyl)...	273	C12H19NO4S	146724-75-6	59
2	2,2-Dimethyl-5,7-dinitro-1,3-dia...	256	C10H16N4O4	129886-84-6	42
3	Cystine	240	C6H12N2O4S2	000056-89-3	38
4	1-Pentanol, 4-amino-	103	C5H13NO	000927-55-9	37
5	L-Alanine-4-nitroanilide	209	C9H11N3O3	001668-13-9	35





Tentatively Identified Compound (LSC) summary

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191311.D
Acq On : 2 Dec 2024 8:53 pm
Operator : PrashanS
Sample : JE1536-7
Misc : MS87633,V3C8319,5.8,,,,1
ALS Vial : 24 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
system artifact	0.836	21.4	ug/L	833943	2	3.550	1946410	50.0

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191312.D
Acq On : 2 Dec 2024 9:18 pm
Operator : PrashanS
Sample : JE1536-8 Inst : GCMS3C
Misc : MS87633,V3C8319,3.9,,,,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 03 14:52:56 2024
Quant Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
QLast Update : Mon Aug 19 09:54:16 2024
Response via : Initial Calibration

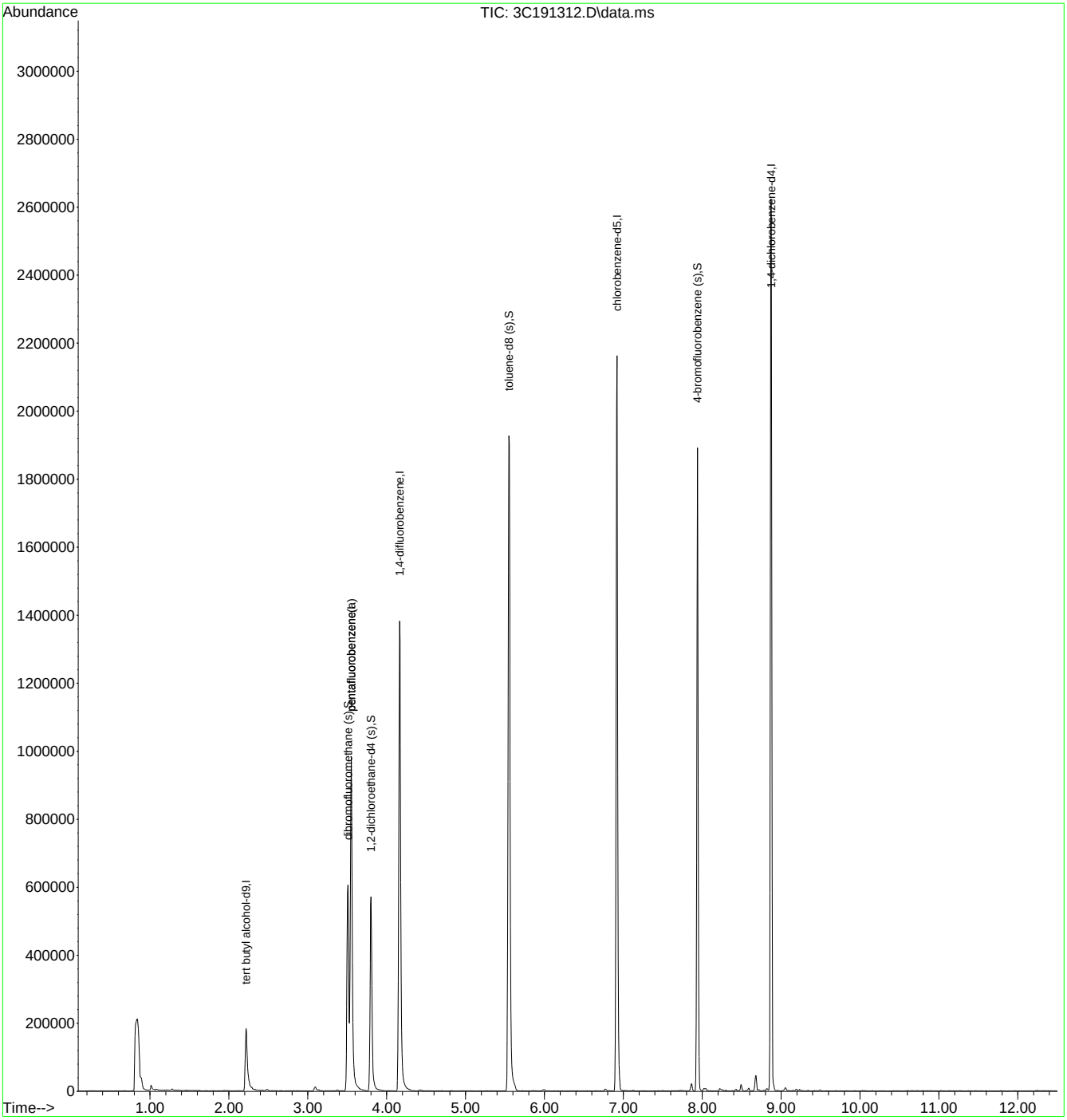
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.217	65	186693	500.00	ug/L	0.00
5) pentafluorobenzene	3.551	168	612961	50.00	ug/L	0.00
50) 1,4-difluorobenzene	4.162	114	1028995	50.00	ug/L	0.00
72) chlorobenzene-d5	6.919	117	975837	50.00	ug/L	0.00
95) 1,4-dichlorobenzene-d4	8.875	152	505599	50.00	ug/L	0.00
123) pentafluorobenzene(a)	3.551	168	612961	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	3.509	113	310317	47.56	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 95.12%			
51) 1,2-dichloroethane-d4 (s)	3.802	65	335410	53.36	ug/L	0.00
Spiked Amount 50.000	Range 75 - 133		Recovery = 106.72%			
73) toluene-d8 (s)	5.549	98	1196877	45.14	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 90.28%			
96) 4-bromofluorobenzene (s)	7.939	95	424975	45.02	ug/L	0.00
Spiked Amount 50.000	Range 58 - 148		Recovery = 90.04%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191312.D
Acq On : 2 Dec 2024 9:18 pm
Operator : PrashanS
Sample : JE1536-8 Inst : GCMS3C
Misc : MS87633,V3C8319,3.9,,,,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 03 14:52:56 2024
Quant Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
QLast Update : Mon Aug 19 09:54:16 2024
Response via : Initial Calibration



LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191312.D
Acq On : 2 Dec 2024 9:18 pm
Operator : PrashanS
Sample : JE1536-8
Misc : MS87633,V3C8319,3.9,,,,1
ALS Vial : 25 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

Signal : TIC: 3C191312.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	0.193	18	21	24	rVB2	1642	1267	0.04%	0.007%
2	0.229	26	28	31	rVV	924	943	0.03%	0.005%
3	0.454	65	71	73	rVB2	1195	1342	0.04%	0.007%
4	0.616	98	102	105	rVB2	1014	1419	0.04%	0.007%
5	0.648	105	108	110	rBV	1045	929	0.03%	0.005%
6	0.663	110	111	115	rBV2	1232	1252	0.04%	0.006%
7	0.841	135	145	170	rBV2	211676	796709	24.30%	4.109%
8	1.014	175	178	188	rVV	15684	20416	0.62%	0.105%
9	1.281	226	229	234	rVB2	4243	3839	0.12%	0.020%
10	1.872	340	342	347	rVB2	1165	1071	0.03%	0.006%
11	1.924	348	352	354	rBV2	1116	1447	0.04%	0.007%
12	1.976	360	362	367	rBV2	1504	1385	0.04%	0.007%
13	2.097	382	385	388	rBV2	1263	1609	0.05%	0.008%
14	2.217	400	408	439	rBV2	183170	404352	12.33%	2.085%
15	2.489	456	460	468	rVB4	4444	8416	0.26%	0.043%
16	2.876	532	534	538	rBV2	1382	1137	0.03%	0.006%
17	2.965	549	551	557	rVB2	1077	1568	0.05%	0.008%
18	3.096	569	576	582	rBV	12544	22712	0.69%	0.117%
19	3.221	596	600	605	rBV2	1047	2064	0.06%	0.011%
20	3.326	615	620	622	rBV2	1609	2510	0.08%	0.013%
21	3.378	622	630	637	rVV3	3221	6713	0.20%	0.035%
22	3.509	645	655	659	rBV	605747	1010954	30.83%	5.214%
23	3.551	659	663	702	rVB	983895	1712903	52.24%	8.834%
24	3.802	702	711	738	rBV	571550	977580	29.81%	5.041%
25	4.163	770	780	811	rBV	1382402	2388845	72.85%	12.319%
26	4.424	821	830	839	rVB4	4143	10874	0.33%	0.056%
27	4.482	839	841	844	rBV2	1378	1287	0.04%	0.007%
28	4.518	846	848	852	rBV2	1506	1580	0.05%	0.008%
29	4.586	859	861	869	rVB2	927	1809	0.06%	0.009%
30	4.670	873	877	880	rVV2	1294	1401	0.04%	0.007%
31	4.696	880	882	888	rVB2	1650	2063	0.06%	0.011%
32	5.010	940	942	948	rVB2	1253	1108	0.03%	0.006%
33	5.057	948	951	955	rBV2	1269	1413	0.04%	0.007%
34	5.125	960	964	967	rBV	1373	1652	0.05%	0.009%
35	5.277	990	993	998	rBV2	1493	1857	0.06%	0.010%
36	5.318	998	1001	1007	rVB2	1206	1594	0.05%	0.008%
37	5.549	1035	1045	1067	rBV	1927131	3279082	100.00%	16.910%
38	5.721	1075	1078	1079	rVB	1447	966	0.03%	0.005%
39	5.847	1098	1102	1108	rBV2	1788	3185	0.10%	0.016%
40	5.988	1124	1129	1137	rVB3	4498	10272	0.31%	0.053%

LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191312.D
Acq On : 2 Dec 2024 9:18 pm
Operator : PrashanS
Sample : JE1536-8
Misc : MS87633,V3C8319,3.9,,,,1
ALS Vial : 25 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

41	6.040	1137	1139	1141	rBV	1069	933	0.03%	0.005%
42	6.056	1141	1142	1146	rBV	1142	1366	0.04%	0.007%
43	6.119	1153	1154	1159	rVB2	763	1028	0.03%	0.005%
44	6.307	1189	1190	1194	rBV	1335	1305	0.04%	0.007%
45	6.652	1254	1256	1260	rVB2	995	1023	0.03%	0.005%
46	6.767	1273	1278	1285	rBV2	6370	10469	0.32%	0.054%
47	6.919	1299	1307	1323	rBV	2162844	2980568	90.90%	15.371%
48	7.123	1344	1346	1353	rVB3	3219	3734	0.11%	0.019%
49	7.254	1370	1371	1373	rBV	1659	911	0.03%	0.005%
50	7.322	1380	1384	1387	rBV2	910	1396	0.04%	0.007%
51	7.442	1402	1407	1408	rVB	1472	1492	0.05%	0.008%
52	7.494	1412	1417	1419	rVV2	1717	1948	0.06%	0.010%
53	7.562	1428	1430	1435	rVB2	2019	2025	0.06%	0.010%
54	7.614	1435	1440	1443	rBV2	1627	2706	0.08%	0.014%
55	7.641	1443	1445	1450	rVB	1500	1168	0.04%	0.006%
56	7.740	1459	1464	1467	rBV	1853	2951	0.09%	0.015%
57	7.866	1481	1488	1494	rVB	21823	30505	0.93%	0.157%
58	7.939	1494	1502	1513	rBV	1892176	2260307	68.93%	11.657%
59	8.022	1513	1518	1520	rBV2	7300	10359	0.32%	0.053%
60	8.106	1532	1534	1538	rVB	2044	1696	0.05%	0.009%
61	8.221	1553	1556	1560	rBV3	6767	8439	0.26%	0.044%
62	8.300	1568	1571	1577	rVB2	3234	2740	0.08%	0.014%
63	8.383	1583	1587	1588	rBV	1316	1266	0.04%	0.007%
64	8.430	1591	1596	1603	rVB2	5371	8468	0.26%	0.044%
65	8.493	1603	1608	1616	rBV	19466	25122	0.77%	0.130%
66	8.551	1616	1619	1621	rBV	1131	1078	0.03%	0.006%
67	8.593	1621	1627	1631	rVB4	8569	10894	0.33%	0.056%
68	8.629	1631	1634	1637	rVB2	1561	1301	0.04%	0.007%
69	8.681	1637	1644	1649	rBV2	45581	66343	2.02%	0.342%
70	8.781	1660	1663	1666	rBV2	2711	2710	0.08%	0.014%
71	8.817	1666	1670	1674	rVV3	6980	10031	0.31%	0.052%
72	8.870	1674	1680	1694	rVB	2622673	3164696	96.51%	16.321%
73	9.053	1707	1715	1726	rBV6	9366	17011	0.52%	0.088%
74	9.194	1737	1742	1745	rBV3	4874	6021	0.18%	0.031%
75	9.231	1745	1749	1756	rVB4	4611	6583	0.20%	0.034%
76	9.278	1756	1758	1762	rVB	1617	1505	0.05%	0.008%
77	9.351	1765	1772	1776	rBV2	2343	3512	0.11%	0.018%
78	9.424	1783	1786	1789	rBV	1672	1007	0.03%	0.005%
79	9.456	1789	1792	1794	rVB	1357	1233	0.04%	0.006%
80	9.497	1794	1800	1806	rBV2	3252	5654	0.17%	0.029%
81	9.618	1821	1823	1825	rBV	1198	925	0.03%	0.005%
82	9.696	1836	1838	1843	rBV2	1364	1933	0.06%	0.010%
83	9.754	1847	1849	1853	rVB2	1610	971	0.03%	0.005%
84	9.937	1882	1884	1888	rBV2	1527	1665	0.05%	0.009%
85	10.005	1893	1897	1900	rVB	1242	1364	0.04%	0.007%

LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191312.D
Acq On : 2 Dec 2024 9:18 pm
Operator : PrashanS
Sample : JE1536-8
Misc : MS87633,V3C8319,3.9,,,,1
ALS Vial : 25 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

86	10.031	1900	1902	1907	rBV2	1953	2290	0.07%	0.012%
87	10.162	1923	1927	1930	rBV2	1457	1243	0.04%	0.006%
88	10.251	1942	1944	1948	rBV2	1571	1490	0.05%	0.008%
89	10.716	2032	2033	2043	rVB	1598	3211	0.10%	0.017%
90	10.967	2079	2081	2085	rBV	1660	1233	0.04%	0.006%
91	11.019	2089	2091	2098	rVB2	1330	1762	0.05%	0.009%
92	11.187	2121	2123	2126	rBV2	1419	898	0.03%	0.005%
93	11.375	2152	2159	2162	rBV2	1078	1196	0.04%	0.006%
94	11.459	2171	2175	2179	rBV2	1220	2096	0.06%	0.011%
95	11.778	2234	2236	2242	rVB	1087	1316	0.04%	0.007%
96	11.908	2254	2261	2263	rBV	1052	1976	0.06%	0.010%
97	11.950	2263	2269	2270	rBV	1042	1284	0.04%	0.007%
98	12.243	2323	2325	2330	rBV3	1946	2090	0.06%	0.011%
99	12.358	2344	2347	2350	rVB3	1501	1606	0.05%	0.008%
100	12.395	2350	2354	2363	rBV2	1278	3309	0.10%	0.017%

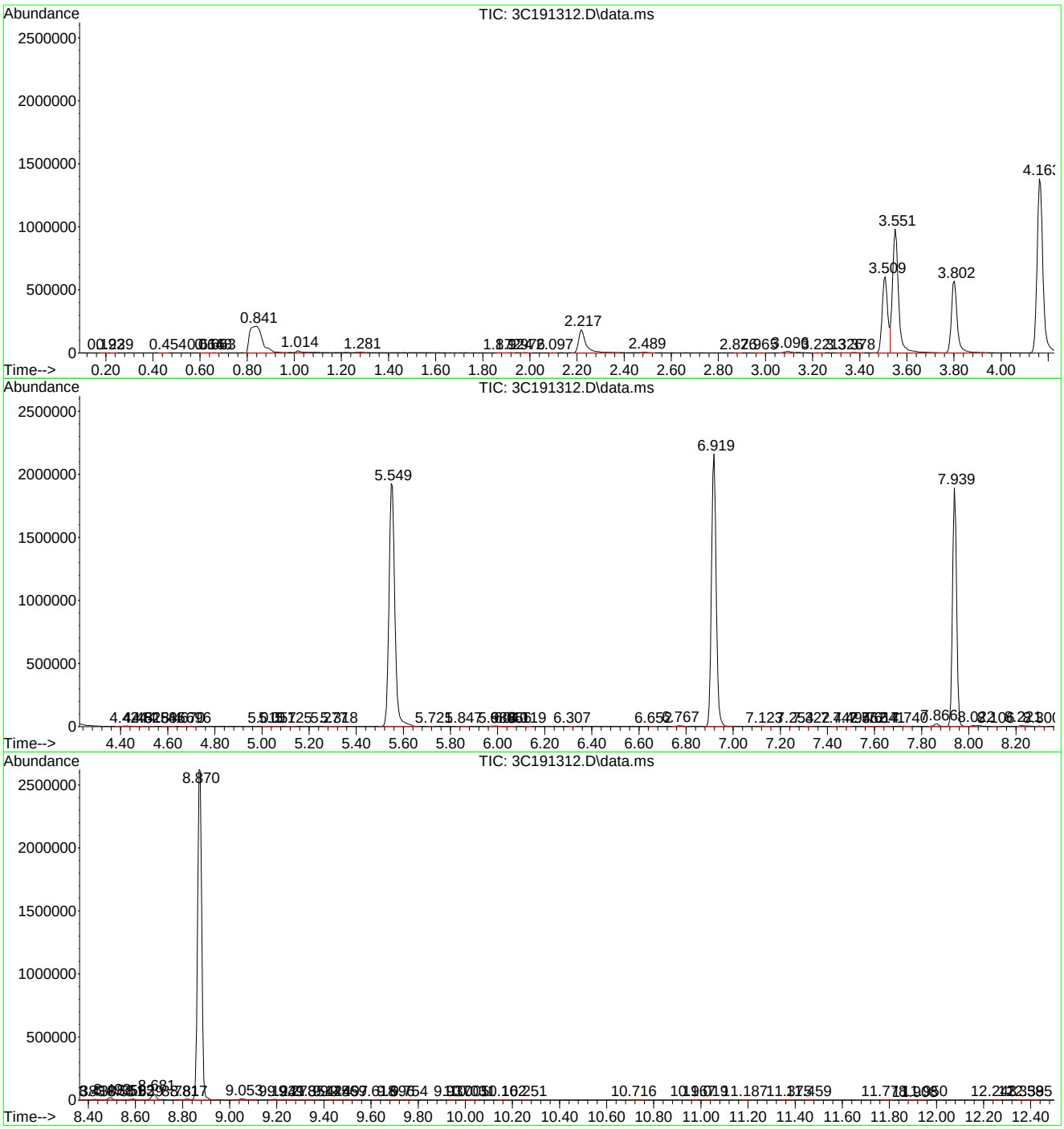
Sum of corrected areas: 19390887

LSC Report - Integrated Chromatogram

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191312.D
Acq On : 2 Dec 2024 9:18 pm
Operator : PrashanS
Sample : JE1536-8
Misc : MS87633,V3C8319,3.9,,,,1
ALS Vial : 25 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p



Library Search Compound Report

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191312.D
Acq On : 2 Dec 2024 9:18 pm
Operator : PrashanS
Sample : JE1536-8
Misc : MS87633,V3C8319,3.9,,,,1
ALS Vial : 25 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

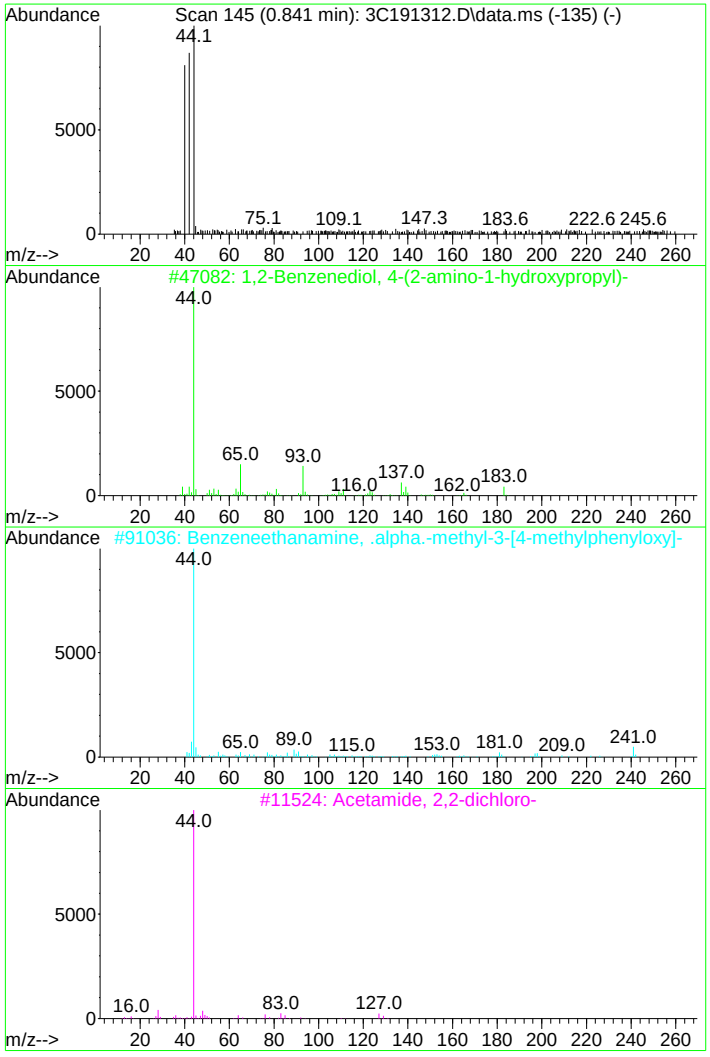
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

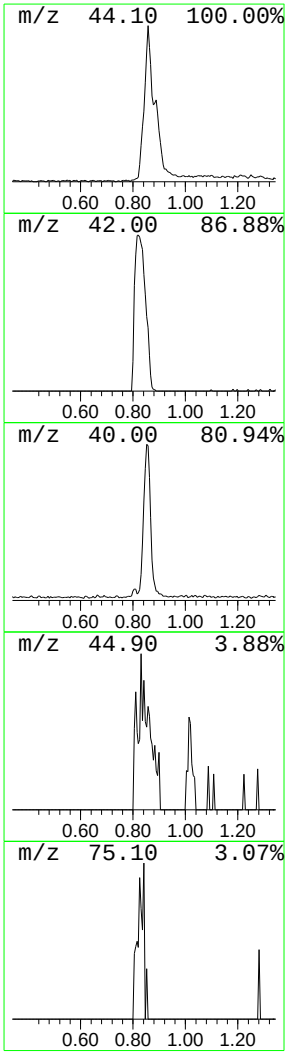
****

Peak Number 1 system artifact Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
0.841	23.26 ug/L	796709	pentafluorobenzene	3.551

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenediol, 4-(2-amino-1-hy...	183	C9H13NO3	006539-57-7	41
2	Benzeneethanamine, .alpha.-methy...	241	C16H19NO	1000126-04-0	38
3	Acetamide, 2,2-dichloro-	127	C2H3Cl2NO	000683-72-7	38
4	Dimefox	154	C4H12FN2OP	000115-26-4	37
5	Desmethyldoxepin	265	C18H19NO	001225-56-5	35





Tentatively Identified Compound (LSC) summary

Data Path : X:\Dayton VOA GCMS\kristelv\120324\v3c8319\
Data File : 3C191312.D
Acq On : 2 Dec 2024 9:18 pm
Operator : PrashanS
Sample : JE1536-8
Misc : MS87633,V3C8319,3.9,,,,1
ALS Vial : 25 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
system artifact	0.841	23.3	ug/L	796709	2	3.551	1712900	50.0

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\120224\V3C8319\
Data File : 3C191295.D
Acq On : 2 Dec 2024 2:00 pm
Operator : PrashanS
Sample : MB Inst : GCMS3C
Misc : MS46186,V3C8319,5.0,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 02 21:07:45 2024
Quant Method : C:\msdchem\1\methods\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
QLast Update : Mon Aug 19 09:54:16 2024
Response via : Initial Calibration

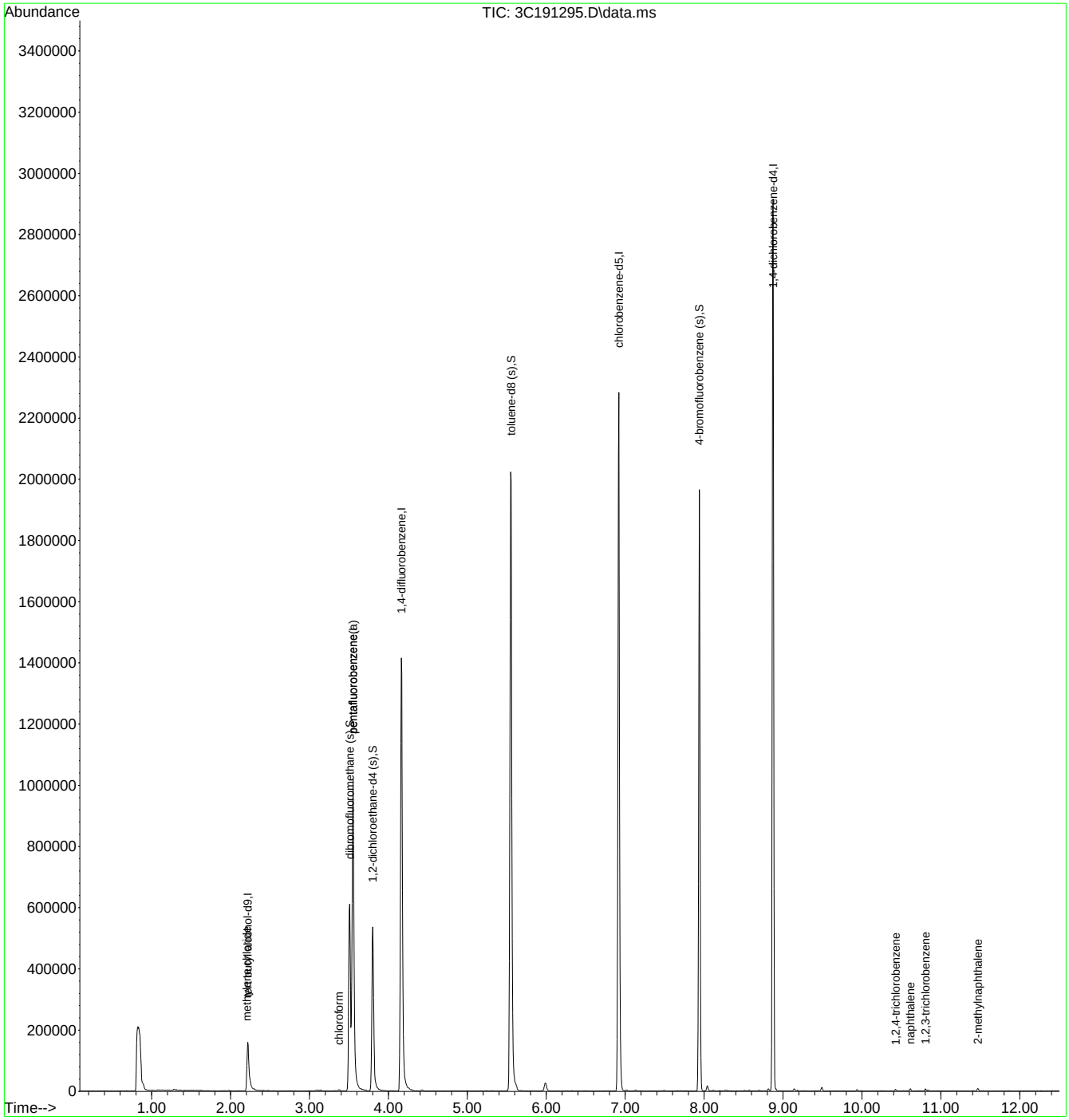
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.217	65	152406	500.00	ug/L	0.00
5) pentafluorobenzene	3.550	168	643123	50.00	ug/L	0.00
50) 1,4-difluorobenzene	4.162	114	1063555	50.00	ug/L	0.00
72) chlorobenzene-d5	6.919	117	1010008	50.00	ug/L	0.00
95) 1,4-dichlorobenzene-d4	8.875	152	564305	50.00	ug/L	0.00
123) pentafluorobenzene(a)	3.550	168	643123	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	3.509	113	317048	46.31	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 92.62%			
51) 1,2-dichloroethane-d4 (s)	3.801	65	318078	48.96	ug/L	0.00
Spiked Amount 50.000	Range 75 - 133		Recovery = 97.92%			
73) toluene-d8 (s)	5.554	98	1240541	45.20	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 90.40%			
96) 4-bromofluorobenzene (s)	7.939	95	451255	42.83	ug/L	0.00
Spiked Amount 50.000	Range 58 - 148		Recovery = 85.66%			
Target Compounds						Qvalue
22) methylene chloride	2.206	84	1472	0.2886	ug/L	81
40) chloroform	3.373	83	2711	0.3174	ug/L	69
116) 1,2,4-trichlorobenzene	10.428	180	1664	0.2235	ug/L	99
118) naphthalene	10.611	128	5621	0.3045	ug/L	98
119) 1,2,3-trichlorobenzene	10.805	180	2190	0.3224	ug/L	91
122) 2-methylnaphthalene	11.469	142	3658	0.3605	ug/L	85

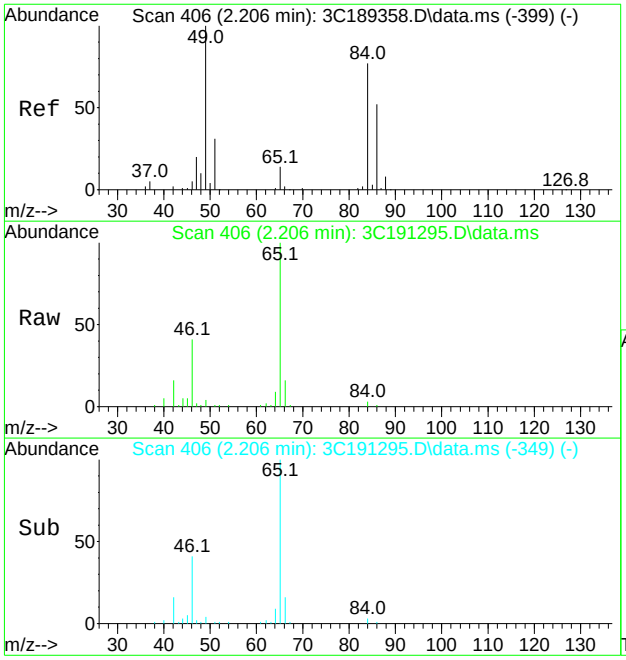
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\120224\V3C8319\
Data File : 3C191295.D
Acq On : 2 Dec 2024 2:00 pm
Operator : PrashanS
Sample : MB Inst : GCMS3C
Misc : MS46186,V3C8319,5.0,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 02 21:07:45 2024
Quant Method : C:\msdchem\1\methods\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
QLast Update : Mon Aug 19 09:54:16 2024
Response via : Initial Calibration

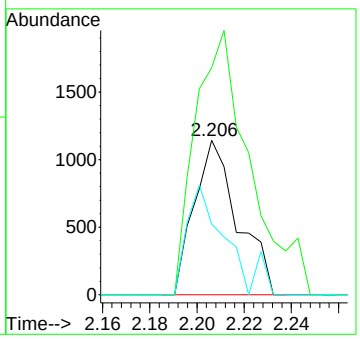


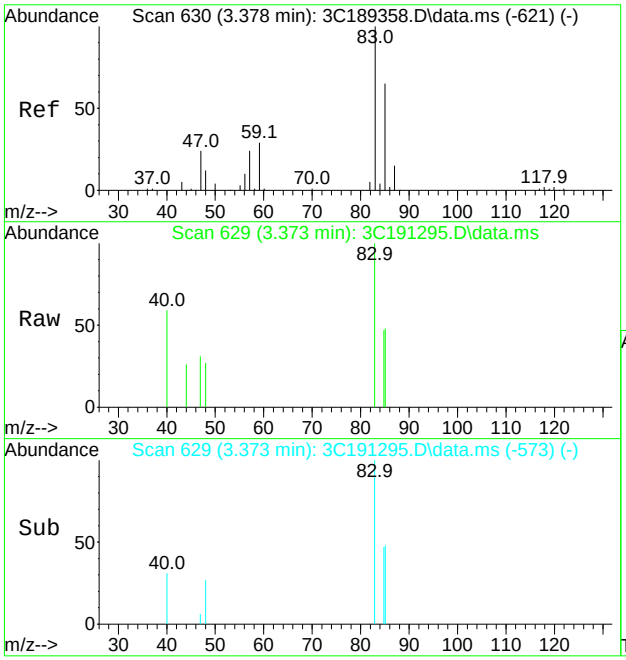


#22
methylene chloride
Concen: 0.2886 ug/L
RT: 2.206 min Scan# 406
Delta R.T. 0.000 min
Lab File: 3C191295.D
Acq: 2 Dec 2024 2:00 pm

Tgt Ion: 84 Resp: 1472

Ion	Ratio	Lower	Upper
84	100		
49	147.2	100.3	160.3
86	45.8	37.9	97.9

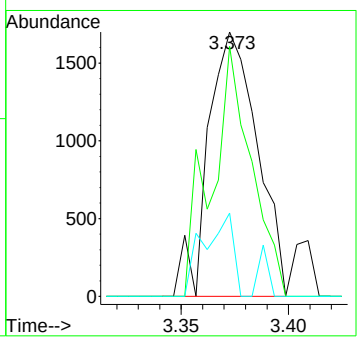


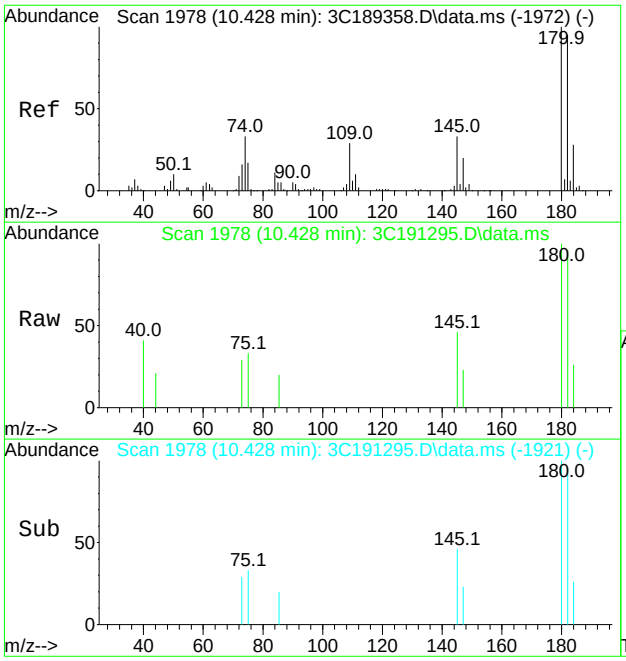


#40
chloroform
Concen: 0.3174 ug/L
RT: 3.373 min Scan# 629
Delta R.T. -0.005 min
Lab File: 3C191295.D
Acq: 2 Dec 2024 2:00 pm

Tgt Ion: 83 Resp: 2711

Ion	Ratio	Lower	Upper
83	100		
85	94.6	34.9	94.9
47	31.5	0.0	55.3

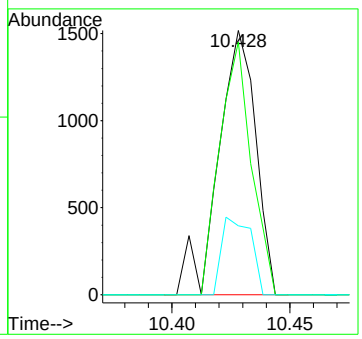


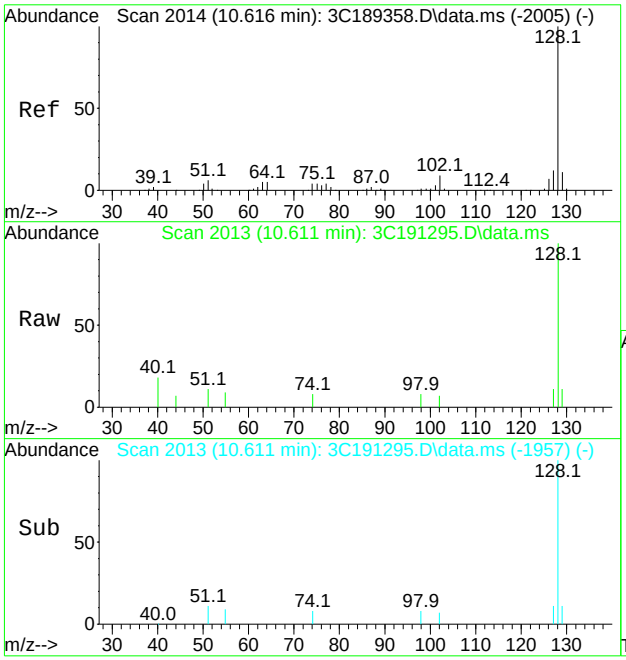


#116
1,2,4-trichlorobenzene
Concen: 0.2235 ug/L
RT: 10.428 min Scan# 1978
Delta R.T. 0.000 min
Lab File: 3C191295.D
Acq: 2 Dec 2024 2:00 pm

Tgt Ion:180 Resp: 1664

Ion	Ratio	Lower	Upper
180	100		
182	95.7	64.7	124.7
184	26.1	0.0	57.6

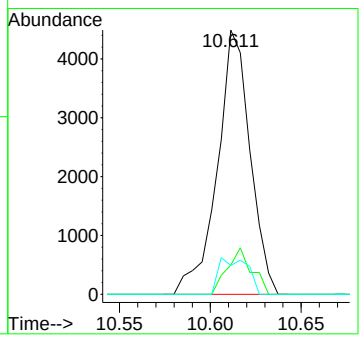


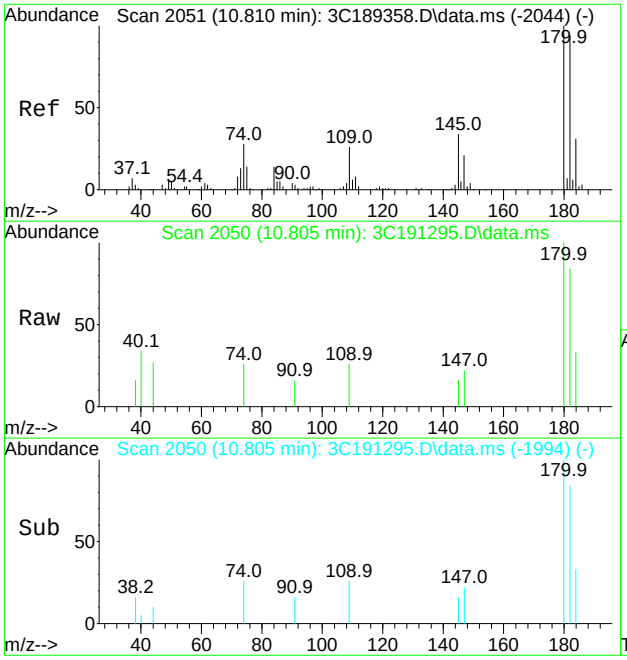


#118
naphthalene
Concen: 0.3045 ug/L
RT: 10.611 min Scan# 2013
Delta R.T. -0.005 min
Lab File: 3C191295.D
Acq: 2 Dec 2024 2:00 pm

Tgt Ion:128 Resp: 5621

Ion	Ratio	Lower	Upper
128	100		
129	11.1	0.0	41.1
127	10.9	0.0	42.2

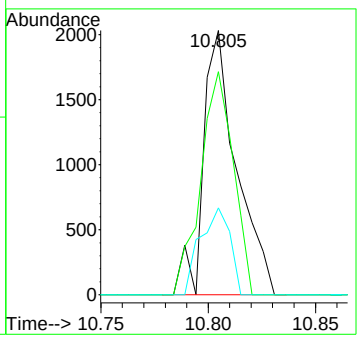


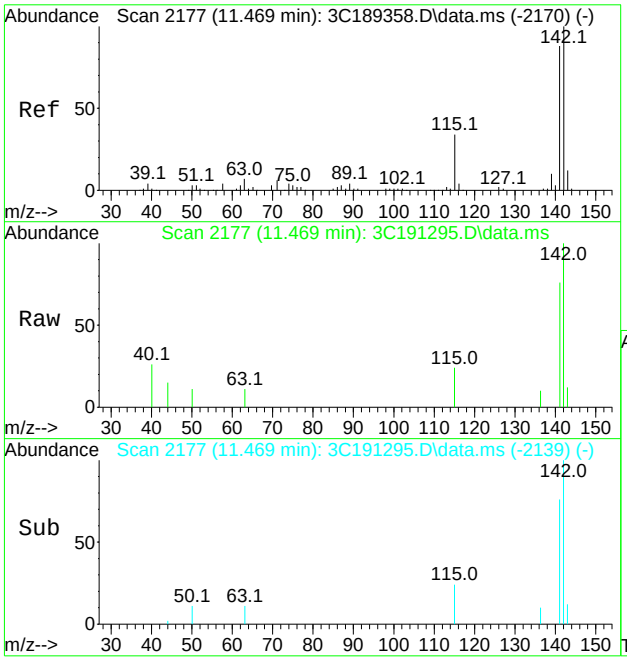


#119
1,2,3-trichlorobenzene
Concen: 0.3224 ug/L
RT: 10.805 min Scan# 2050
Delta R.T. -0.005 min
Lab File: 3C191295.D
Acq: 2 Dec 2024 2:00 pm

Tgt Ion:180 Resp: 2190

Ion	Ratio	Lower	Upper
180	100		
182	84.4	64.4	124.4
184	32.9	1.0	61.0

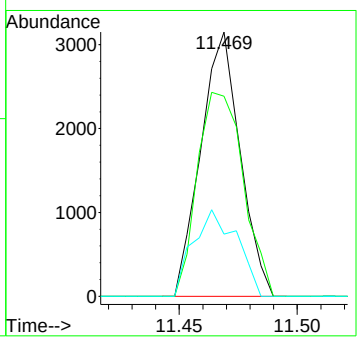




#122
2-methylnaphthalene
Concen: 0.3605 ug/L
RT: 11.469 min Scan# 2177
Delta R.T. -0.000 min
Lab File: 3C191295.D
Acq: 2 Dec 2024 2:00 pm

Tgt Ion:142 Resp: 3658

Ion	Ratio	Lower	Upper
142	100		
141	75.7	68.4	108.4
115	23.5	14.0	54.0



LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\kristelv\120224\V3C8319\
Data File : 3C191295.D
Acq On : 2 Dec 2024 2:00 pm
Operator : PrashanS
Sample : MB
Misc : MS46186,V3C8319,5.0,,,,1
ALS Vial : 8 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M3C8247.M
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

Signal : TIC: 3C191295.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	0.716	116	121	124	rBV2	1365	1693	0.05%	0.008%
2	0.825	133	142	172	rBV3	210253	751927	21.88%	3.773%
3	1.082	188	191	193	rBV2	2449	2922	0.09%	0.015%
4	1.129	199	200	207	rVB3	1632	2239	0.07%	0.011%
5	1.249	221	223	226	rBV2	1677	1621	0.05%	0.008%
6	1.280	226	229	234	rVV2	4259	5113	0.15%	0.026%
7	1.458	261	263	268	rVB2	2299	2492	0.07%	0.013%
8	1.495	268	270	271	rBV	2188	1360	0.04%	0.007%
9	1.709	307	311	317	rVB2	1430	2305	0.07%	0.012%
10	1.924	349	352	356	rVB2	1212	1553	0.05%	0.008%
11	1.981	359	363	366	rBV2	2048	2902	0.08%	0.015%
12	2.217	400	408	432	rVV	158828	327645	9.53%	1.644%
13	2.823	521	524	529	rVB	1367	1454	0.04%	0.007%
14	2.959	547	550	554	rVB	1371	1574	0.05%	0.008%
15	2.991	554	556	562	rBV2	2152	2688	0.08%	0.013%
16	3.095	569	576	580	rBV2	3268	6184	0.18%	0.031%
17	3.142	580	585	593	rVB3	4156	6308	0.18%	0.032%
18	3.200	593	596	602	rVB2	1088	1969	0.06%	0.010%
19	3.373	623	629	637	rVB2	4485	6632	0.19%	0.033%
20	3.509	647	655	658	rBV	611311	957671	27.86%	4.805%
21	3.550	658	663	692	rVB	1019724	1825162	53.10%	9.158%
22	3.801	702	711	729	rBV	536316	915061	26.62%	4.592%
23	4.032	751	755	761	rVB2	1994	2931	0.09%	0.015%
24	4.162	771	780	815	rVB	1415764	2461370	71.61%	12.351%
25	4.356	815	817	821	rVB	2119	1856	0.05%	0.009%
26	4.424	825	830	839	rVB4	3812	7975	0.23%	0.040%
27	4.706	880	884	886	rBV	1706	1920	0.06%	0.010%
28	4.743	886	891	893	rVV	1302	1661	0.05%	0.008%
29	4.764	893	895	899	rVV2	1086	1270	0.04%	0.006%
30	4.910	918	923	926	rVV2	1235	1696	0.05%	0.009%
31	4.994	938	939	947	rVV	1599	1892	0.06%	0.009%
32	5.313	995	1000	1004	rBV2	1523	2165	0.06%	0.011%
33	5.486	1029	1033	1035	rBV	1963	1596	0.05%	0.008%
34	5.548	1035	1045	1066	rBV	2023327	3399203	98.89%	17.057%
35	5.820	1093	1097	1098	rVV2	1317	1487	0.04%	0.007%
36	5.857	1101	1104	1106	rVV	1415	1354	0.04%	0.007%
37	5.878	1106	1108	1112	rVB2	1287	1473	0.04%	0.007%
38	5.988	1118	1129	1140	rBV	26681	58098	1.69%	0.292%
39	6.118	1147	1154	1156	rVB2	1490	1849	0.05%	0.009%
40	6.207	1168	1171	1175	rVB2	1205	1317	0.04%	0.007%

LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\kristelv\120224\V3C8319\
Data File : 3C191295.D
Acq On : 2 Dec 2024 2:00 pm
Operator : PrashanS
Sample : MB
Misc : MS46186,V3C8319,5.0,,,,1
ALS Vial : 8 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M3C8247.M
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

41	6.260	1175	1181	1187	rBV2	1493	3105	0.09%	0.016%
42	6.328	1190	1194	1195	rVB	1873	1433	0.04%	0.007%
43	6.464	1217	1220	1223	rVV2	1092	1488	0.04%	0.007%
44	6.532	1227	1233	1238	rVB2	1430	2500	0.07%	0.013%
45	6.798	1282	1284	1290	rBV2	1023	1441	0.04%	0.007%
46	6.919	1298	1307	1323	rVV	2283117	3102739	90.27%	15.569%
47	7.018	1323	1326	1337	rVB3	4192	5851	0.17%	0.029%
48	7.128	1342	1347	1353	rVB3	2948	4482	0.13%	0.022%
49	7.185	1354	1358	1362	rVB2	1384	2305	0.07%	0.012%
50	7.499	1413	1418	1422	rVB3	2378	3707	0.11%	0.019%
51	7.609	1432	1439	1442	rBV2	1349	2448	0.07%	0.012%
52	7.667	1447	1450	1452	rBV	1893	1872	0.05%	0.009%
53	7.703	1454	1457	1460	rVB2	1527	1473	0.04%	0.007%
54	7.771	1466	1470	1475	rVB2	2103	2931	0.09%	0.015%
55	7.939	1492	1502	1511	rVV	1965855	2389817	69.53%	11.992%
56	8.001	1511	1514	1517	rVV	1815	2221	0.06%	0.011%
57	8.038	1517	1521	1532	rVV5	17677	25731	0.75%	0.129%
58	8.106	1532	1534	1541	rVB4	2342	3658	0.11%	0.018%
59	8.200	1548	1552	1555	rVB2	2681	2555	0.07%	0.013%
60	8.268	1561	1565	1569	rVV2	3746	5192	0.15%	0.026%
61	8.299	1569	1571	1574	rVV	2928	2056	0.06%	0.010%
62	8.320	1574	1575	1582	rVB2	1265	1810	0.05%	0.009%
63	8.415	1586	1593	1597	rBV2	1678	2345	0.07%	0.012%
64	8.462	1597	1602	1608	rVV2	913	1739	0.05%	0.009%
65	8.514	1608	1612	1619	rVB2	2849	4529	0.13%	0.023%
66	8.571	1619	1623	1627	rBV	3468	4211	0.12%	0.021%
67	8.645	1627	1637	1640	rBV2	906	1872	0.05%	0.009%
68	8.692	1640	1646	1651	rVV3	3035	4340	0.13%	0.022%
69	8.812	1664	1669	1674	rVV5	7359	8490	0.25%	0.043%
70	8.875	1674	1681	1692	rVB	2915367	3437346	100.00%	17.248%
71	8.990	1700	1703	1706	rBV2	1256	1499	0.04%	0.008%
72	9.142	1727	1732	1737	rVB3	7444	10497	0.31%	0.053%
73	9.183	1737	1740	1744	rBV2	3194	3248	0.09%	0.016%
74	9.272	1755	1757	1763	rVB2	1931	1832	0.05%	0.009%
75	9.346	1768	1771	1775	rVB2	1254	1379	0.04%	0.007%
76	9.424	1781	1786	1787	rVB	1135	1541	0.04%	0.008%
77	9.492	1789	1799	1805	rVV2	12695	16861	0.49%	0.085%
78	9.785	1850	1855	1860	rBV2	899	1616	0.05%	0.008%
79	9.853	1863	1868	1871	rVB	1133	1445	0.04%	0.007%
80	9.937	1877	1884	1890	rBV2	5594	6987	0.20%	0.035%
81	9.999	1894	1896	1900	rBV2	1497	1294	0.04%	0.006%
82	10.046	1900	1905	1910	rVB2	1265	2032	0.06%	0.010%
83	10.135	1919	1922	1926	rVB	1006	1356	0.04%	0.007%
84	10.177	1929	1930	1935	rVB	1220	1449	0.04%	0.007%
85	10.240	1940	1942	1946	rVB2	1408	1721	0.05%	0.009%

LSC Area Percent Report

Data Path : X:\Dayton VOA GCMS\kristelv\120224\V3C8319\
Data File : 3C191295.D
Acq On : 2 Dec 2024 2:00 pm
Operator : PrashanS
Sample : MB
Misc : MS46186,V3C8319,5.0,,,,1
ALS Vial : 8 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\M3C8247.M
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

86	10.282	1946	1950	1952	rBV	1544	1515	0.04%	0.008%
87	10.423	1974	1977	1986	rBV3	5840	6682	0.19%	0.034%
88	10.528	1991	1997	2001	rBV2	1666	2942	0.09%	0.015%
89	10.569	2001	2005	2008	rVV2	1169	1271	0.04%	0.006%
90	10.616	2008	2014	2020	rVB2	7703	9122	0.27%	0.046%
91	10.805	2042	2050	2054	rBV3	7334	9455	0.28%	0.047%
92	10.836	2054	2056	2063	rVB3	3741	4337	0.13%	0.022%
93	11.155	2113	2117	2124	rBV2	1141	1986	0.06%	0.010%
94	11.406	2161	2165	2172	rVB2	1734	2326	0.07%	0.012%
95	11.464	2172	2176	2185	rVB2	8513	11842	0.34%	0.059%
96	11.851	2247	2250	2255	rVB	889	1711	0.05%	0.009%
97	11.914	2256	2262	2265	rVB	1284	1425	0.04%	0.007%
98	11.945	2265	2268	2274	rBV2	636	1262	0.04%	0.006%
99	12.337	2341	2343	2349	rBV	1138	1390	0.04%	0.007%
100	12.405	2353	2356	2360	rVB2	1499	1370	0.04%	0.007%

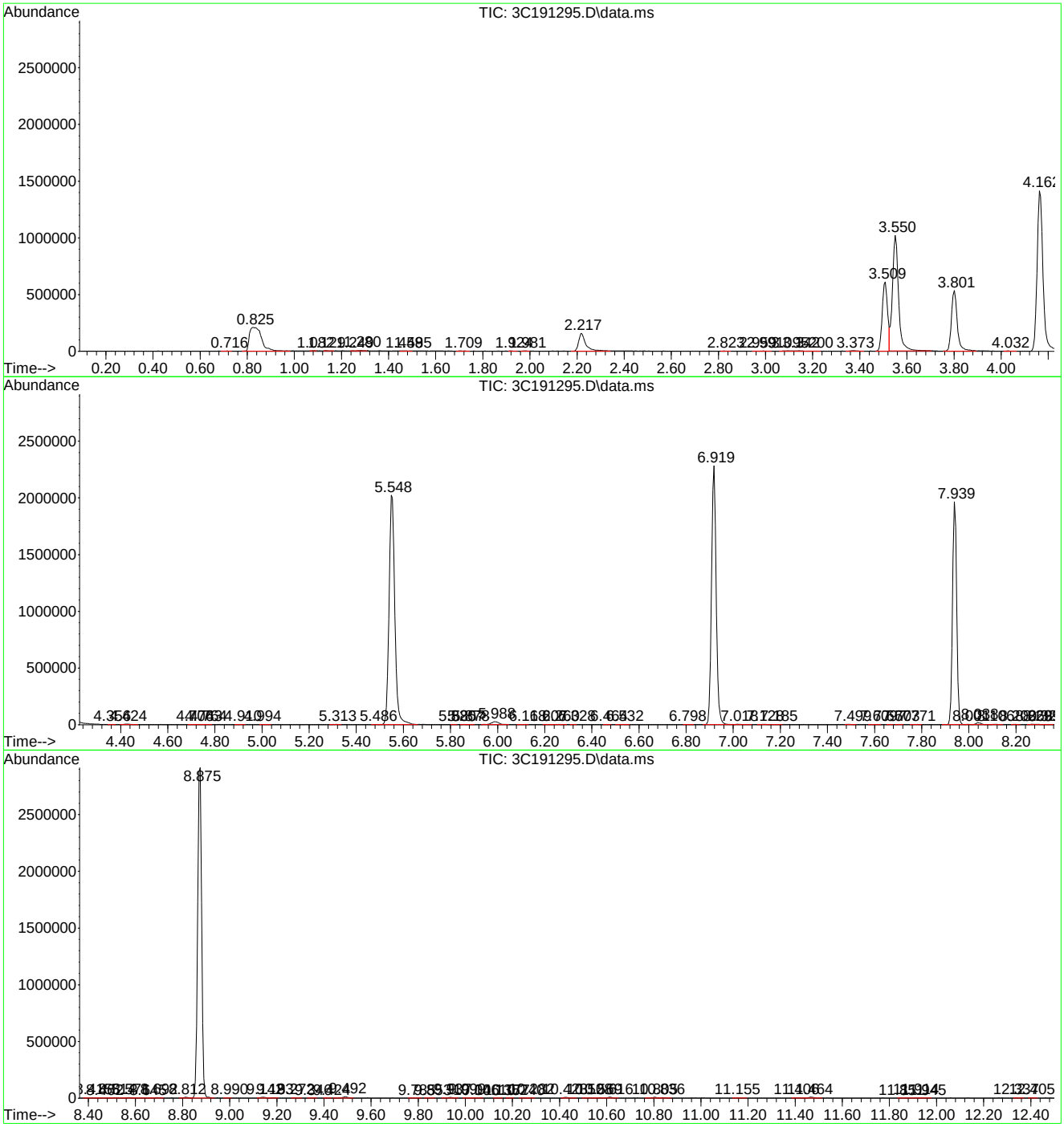
Sum of corrected areas: 19928668

LSC Report - Integrated Chromatogram

Data Path : X:\Dayton VOA GCMS\kristelv\120224\V3C8319\
Data File : 3C191295.D
Acq On : 2 Dec 2024 2:00 pm
Operator : PrashanS
Sample : MB
Misc : MS46186,V3C8319,5.0,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p



Library Search Compound Report

Data Path : X:\Dayton VOA GCMS\kristelv\120224\V3C8319\
Data File : 3C191295.D
Acq On : 2 Dec 2024 2:00 pm
Operator : PrashanS
Sample : MB
Misc : MS46186,V3C8319,5.0,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

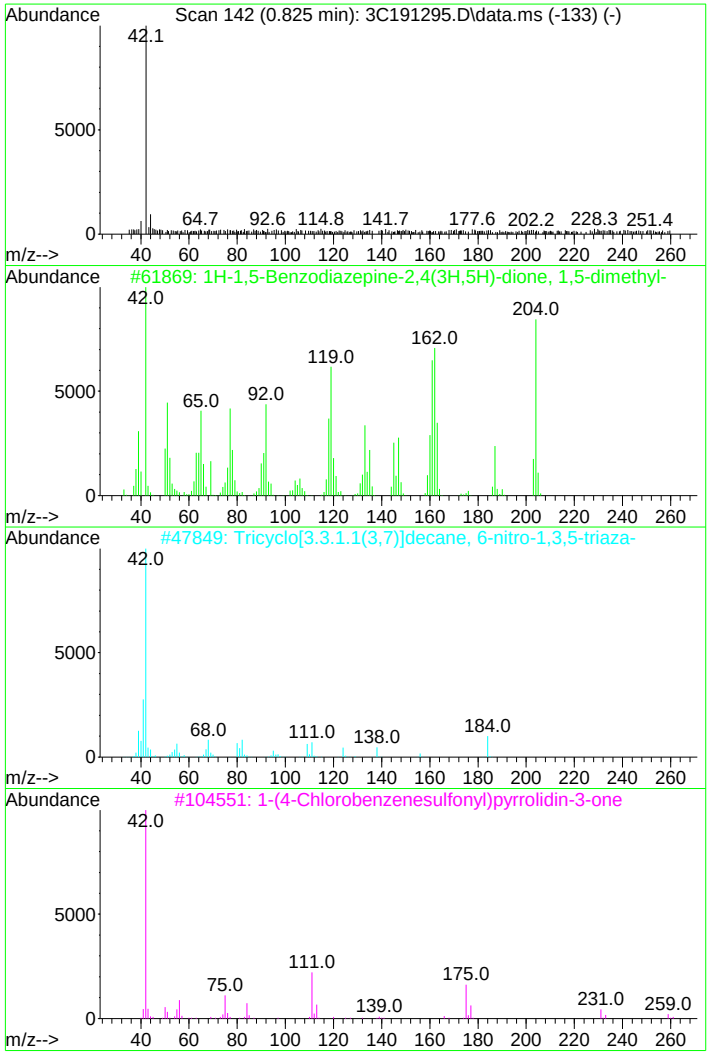
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

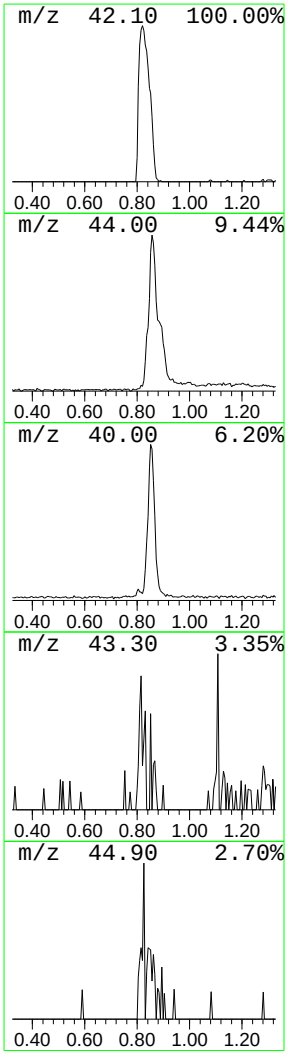
****

Peak Number 1 system artifact Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
0.825	20.60 ug/L	751927	pentafluorobenzene	3.550

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-1,5-Benzodiazepine-2,4(3H,5H)...	204	C11H12N2O2	023954-54-3	91
2	Tricyclo[3.3.1.1(3,7)]decane, 6-...	184	C7H12N4O2	1000310-09-5	50
3	1-(4-Chlorobenzenesulfonyl)pyrro...	259	C10H10ClNO3S	083132-99-4	50
4	Acetic acid, 2-(2-methyl-4-nitro...	245	C8H11N3O4S	1000267-54-4	40
5	1,3,5,7-Tetraazabicyclo[3.3.1]no...	186	C5H10N6O2	000101-25-7	40





Tentatively Identified Compound (LSC) summary

Data Path : X:\Dayton VOA GCMS\kristelv\120224\V3C8319\
Data File : 3C191295.D
Acq On : 2 Dec 2024 2:00 pm
Operator : PrashanS
Sample : MB
Misc : MS46186,V3C8319,5.0,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\M3C8247.M
Quant Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
system artifact	0.825	20.6	ug/L	751927	2	3.550	1825160	50.0

MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (DFTPP)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59876-MB1	4P694137.D	1	12/06/24	KH	12/05/24	OP59876	E4P3703

The QC reported here applies to the following samples: **Method:** SW846 8270E

JE1536-1, JE1536-2, JE1536-3, JE1536-4, JE1536-5, JE1536-6, JE1536-7, JE1536-8

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	67	16	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	20	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	28	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	59	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	170	130	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	170	36	ug/kg	
95-48-7	2-Methylphenol	ND	67	21	ug/kg	
	3&4-Methylphenol	ND	67	27	ug/kg	
88-75-5	2-Nitrophenol	ND	170	22	ug/kg	
100-02-7	4-Nitrophenol	ND	330	89	ug/kg	
87-86-5	Pentachlorophenol	ND	130	31	ug/kg	
108-95-2	Phenol	ND	67	17	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	170	22	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	25	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	20	ug/kg	
83-32-9	Acenaphthene	ND	33	11	ug/kg	
208-96-8	Acenaphthylene	ND	33	17	ug/kg	
98-86-2	Acetophenone	ND	170	7.2	ug/kg	
120-12-7	Anthracene	ND	33	20	ug/kg	
1912-24-9	Atrazine	ND	67	14	ug/kg	
56-55-3	Benzo(a)anthracene	ND	33	9.4	ug/kg	
50-32-8	Benzo(a)pyrene	ND	33	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	33	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	33	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	33	16	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	67	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	67	8.1	ug/kg	
92-52-4	1,1'-Biphenyl	ND	67	4.6	ug/kg	
100-52-7	Benzaldehyde	ND	170	8.3	ug/kg	
91-58-7	2-Chloronaphthalene	ND	67	7.9	ug/kg	
106-47-8	4-Chloroaniline	ND	170	12	ug/kg	
86-74-8	Carbazole	ND	67	4.8	ug/kg	
105-60-2	Caprolactam	ND	67	13	ug/kg	
218-01-9	Chrysene	ND	33	10	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	67	7.1	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	67	14	ug/kg	

Method Blank Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59876-MB1	4P694137.D	1	12/06/24	KH	12/05/24	OP59876	E4P3703

The QC reported here applies to the following samples: **Method:** SW846 8270E

JE1536-1, JE1536-2, JE1536-3, JE1536-4, JE1536-5, JE1536-6, JE1536-7, JE1536-8

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	67	12	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	67	11	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	33	10	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	33	17	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	67	28	ug/kg	
123-91-1	1,4-Dioxane	ND	33	22	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	33	15	ug/kg	
132-64-9	Dibenzofuran	ND	67	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	67	5.4	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	67	8.3	ug/kg	
84-66-2	Diethyl phthalate	ND	67	7.1	ug/kg	
131-11-3	Dimethyl phthalate	ND	67	5.9	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	67	7.8	ug/kg	
206-44-0	Fluoranthene	ND	33	15	ug/kg	
86-73-7	Fluorene	ND	33	15	ug/kg	
118-74-1	Hexachlorobenzene	ND	67	8.4	ug/kg	
87-68-3	Hexachlorobutadiene	ND	33	13	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	330	13	ug/kg	
67-72-1	Hexachloroethane	ND	170	16	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	33	16	ug/kg	
78-59-1	Isophorone	ND	67	7.1	ug/kg	
91-57-6	2-Methylnaphthalene	ND	33	7.5	ug/kg	
88-74-4	2-Nitroaniline	ND	170	7.9	ug/kg	
99-09-2	3-Nitroaniline	ND	170	8.3	ug/kg	
100-01-6	4-Nitroaniline	ND	170	8.6	ug/kg	
91-20-3	Naphthalene	ND	33	9.4	ug/kg	
98-95-3	Nitrobenzene	ND	67	13	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	67	9.6	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	12	ug/kg	
85-01-8	Phenanthrene	ND	33	11	ug/kg	
129-00-0	Pyrene	ND	33	11	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	170	8.5	ug/kg	

Method Blank Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59876-MB1	4P694137.D	1	12/06/24	KH	12/05/24	OP59876	E4P3703

The QC reported here applies to the following samples: **Method:** SW846 8270E

JE1536-1, JE1536-2, JE1536-3, JE1536-4, JE1536-5, JE1536-6, JE1536-7, JE1536-8

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	64%	10-99%
4165-62-2	Phenol-d5	62%	10-96%
118-79-6	2,4,6-Tribromophenol	70%	10-123%
4165-60-0	Nitrobenzene-d5	60%	10-109%
321-60-8	2-Fluorobiphenyl	68%	11-109%
1718-51-0	Terphenyl-d14	78%	10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/kg	

Blank Spike Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59876-BS1	4P694138.D	1	12/06/24	KH	12/05/24	OP59876	E4P3703

The QC reported here applies to the following samples: **Method:** SW846 8270E

JE1536-1, JE1536-2, JE1536-3, JE1536-4, JE1536-5, JE1536-6, JE1536-7, JE1536-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-57-8	2-Chlorophenol	1670	1090	65	10-135
59-50-7	4-Chloro-3-methyl phenol	1670	1140	68	10-141
120-83-2	2,4-Dichlorophenol	1670	1130	68	10-139
105-67-9	2,4-Dimethylphenol	1670	1150	69	10-141
51-28-5	2,4-Dinitrophenol	3330	2040	61	10-138
534-52-1	4,6-Dinitro-o-cresol	1670	1140	68	10-156
95-48-7	2-Methylphenol	1670	1100	66	10-139
	3&4-Methylphenol	3330	2170	65	10-174
88-75-5	2-Nitrophenol	1670	1150	69	10-142
100-02-7	4-Nitrophenol	1670	1030	62	10-144
87-86-5	Pentachlorophenol	3330	2090	63	10-165
108-95-2	Phenol	1670	1140	68	23-115
58-90-2	2,3,4,6-Tetrachlorophenol	1670	1120	67	10-146
95-95-4	2,4,5-Trichlorophenol	1670	1140	68	13-136
88-06-2	2,4,6-Trichlorophenol	1670	1150	69	10-142
83-32-9	Acenaphthene	1670	1080	65	10-141
208-96-8	Acenaphthylene	1670	1110	67	10-133
98-86-2	Acetophenone	1670	1020	61	23-115
120-12-7	Anthracene	1670	1090	65	10-144
1912-24-9	Atrazine	1670	1130	68	17-149
56-55-3	Benzo(a)anthracene	1670	1120	67	11-139
50-32-8	Benzo(a)pyrene	1670	1130	68	13-141
205-99-2	Benzo(b)fluoranthene	1670	1180	71	14-140
191-24-2	Benzo(g,h,i)perylene	1670	1210	73	13-138
207-08-9	Benzo(k)fluoranthene	1670	1060	64	12-140
101-55-3	4-Bromophenyl phenyl ether	1670	1170	70	10-146
85-68-7	Butyl benzyl phthalate	1670	1160	70	10-150
92-52-4	1,1'-Biphenyl	1670	1080	65	10-141
100-52-7	Benzaldehyde	1670	851	51	10-146
91-58-7	2-Chloronaphthalene	1670	1100	66	10-142
106-47-8	4-Chloroaniline	1670	511	31	10-108
86-74-8	Carbazole	1670	1040	62	10-145
105-60-2	Caprolactam	1670	1240	74	10-187
218-01-9	Chrysene	1670	1100	66	11-139
111-91-1	bis(2-Chloroethoxy)methane	1670	1090	65	10-144
111-44-4	bis(2-Chloroethyl)ether	1670	1010	61	10-145

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59876-BS1	4P694138.D	1	12/06/24	KH	12/05/24	OP59876	E4P3703

The QC reported here applies to the following samples: **Method:** SW846 8270E

JE1536-1, JE1536-2, JE1536-3, JE1536-4, JE1536-5, JE1536-6, JE1536-7, JE1536-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
108-60-1	2,2'-Oxybis(1-chloropropane)	1670	1040	62	10-145
7005-72-3	4-Chlorophenyl phenyl ether	1670	1120	67	10-145
121-14-2	2,4-Dinitrotoluene	1670	1150	69	10-148
606-20-2	2,6-Dinitrotoluene	1670	1160	70	12-145
91-94-1	3,3'-Dichlorobenzidine	1670	887	53	10-100
123-91-1	1,4-Dioxane	1670	472	28	10-97
53-70-3	Dibenzo(a,h)anthracene	1670	1150	69	14-142
132-64-9	Dibenzofuran	1670	1080	65	10-140
84-74-2	Di-n-butyl phthalate	1670	1080	65	11-147
117-84-0	Di-n-octyl phthalate	1670	1240	74	15-145
84-66-2	Diethyl phthalate	1670	1090	65	10-145
131-11-3	Dimethyl phthalate	1670	1090	65	10-144
117-81-7	bis(2-Ethylhexyl)phthalate	1670	1110	67	26-132
206-44-0	Fluoranthene	1670	1050	63	10-147
86-73-7	Fluorene	1670	1090	65	12-139
118-74-1	Hexachlorobenzene	1670	1170	70	10-144
87-68-3	Hexachlorobutadiene	1670	1050	63	10-142
77-47-4	Hexachlorocyclopentadiene	3330	1980	59	10-120
67-72-1	Hexachloroethane	1670	959	58	10-141
193-39-5	Indeno(1,2,3-cd)pyrene	1670	1150	69	13-144
78-59-1	Isophorone	1670	1060	64	10-139
91-57-6	2-Methylnaphthalene	1670	1060	64	10-140
88-74-4	2-Nitroaniline	1670	1130	68	10-148
99-09-2	3-Nitroaniline	1670	820	49	10-127
100-01-6	4-Nitroaniline	1670	1090	65	10-143
91-20-3	Naphthalene	1670	1050	63	10-141
98-95-3	Nitrobenzene	1670	1000	60	10-139
621-64-7	N-Nitroso-di-n-propylamine	1670	1040	62	10-143
86-30-6	N-Nitrosodiphenylamine	1670	1170	70	10-145
85-01-8	Phenanthrene	1670	1090	65	10-142
129-00-0	Pyrene	1670	1120	67	13-141
95-94-3	1,2,4,5-Tetrachlorobenzene	1670	1080	65	10-143

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59876-BS1	4P694138.D	1	12/06/24	KH	12/05/24	OP59876	E4P3703

The QC reported here applies to the following samples: **Method:** SW846 8270E

JE1536-1, JE1536-2, JE1536-3, JE1536-4, JE1536-5, JE1536-6, JE1536-7, JE1536-8

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	73%	10-99%
4165-62-2	Phenol-d5	69%	10-96%
118-79-6	2,4,6-Tribromophenol	71%	10-123%
4165-60-0	Nitrobenzene-d5	69%	10-109%
321-60-8	2-Fluorobiphenyl	70%	11-109%
1718-51-0	Terphenyl-d14	75%	10-120%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59876-MS	CS7310.D	1	12/20/24	JY	12/06/24	OP59876	ECS377
OP59876-MSD	CS7311.D	1	12/20/24	JY	12/06/24	OP59876	ECS377
JE1536-4	4P694142.D	1	12/06/24	KH	12/06/24	OP59876	E4P3703

The QC reported here applies to the following samples: **Method:** SW846 8270E

JE1536-1, JE1536-2, JE1536-3, JE1536-4, JE1536-5, JE1536-6, JE1536-7, JE1536-8

CAS No.	Compound	JE1536-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	ND		1820	1110	61	1830	1260	69	13	10-137/86
59-50-7	4-Chloro-3-methyl phenol	ND		1820	1320	73	1830	1370	75	4	10-146/84
120-83-2	2,4-Dichlorophenol	ND		1820	1270	70	1830	1340	73	5	10-145/86
105-67-9	2,4-Dimethylphenol	ND		1820	1160	64	1830	1240	68	7	10-148/87
51-28-5	2,4-Dinitrophenol	ND		3640	235	6* [a]	3660	202	6* [a]	15	10-118/90
534-52-1	4,6-Dinitro-o-cresol	ND		1820	139	8* [a]	1830	124	7* [a]	11	10-131/97
95-48-7	2-Methylphenol	ND		1820	1230	68	1830	1350	74	9	10-143/86
	3&4-Methylphenol	ND		3640	2920	80	3660	3220	88	10	10-162/87
88-75-5	2-Nitrophenol	ND		1820	1060	58	1830	1190	65	12	10-147/93
100-02-7	4-Nitrophenol	ND		1820	1470	81	1830	1530	84	4	10-152/85
87-86-5	Pentachlorophenol	ND		3640	2590	71	3660	2770	76	7	10-146/89
108-95-2	Phenol	ND		1820	1160	64	1830	1320	72	13	10-118/84
58-90-2	2,3,4,6-Tetrachlorophenol	ND		1820	1390	76	1830	1430	78	3	10-139/87
95-95-4	2,4,5-Trichlorophenol	ND		1820	1300	72	1830	1330	73	2	10-140/86
88-06-2	2,4,6-Trichlorophenol	ND		1820	1400	77	1830	1460	80	4	10-141/86
83-32-9	Acenaphthene	13.5	J	1820	1260	69	1830	1280	69	2	10-156/87
208-96-8	Acenaphthylene	30.5	J	1820	1320	71	1830	1370	73	4	10-143/84
98-86-2	Acetophenone	ND		1820	1150	63	1830	1370	75	17	10-130/90
120-12-7	Anthracene	72.4		1820	1500	79	1830	1340	69	11	10-166/88
1912-24-9	Atrazine	ND		1820	1410	78	1830	1450	79	3	10-148/86
56-55-3	Benzo(a)anthracene	201		1820	1870	92	1830	1540	73	19	10-163/88
50-32-8	Benzo(a)pyrene	263		1820	1860	88	1830	1600	73	15	10-163/89
205-99-2	Benzo(b)fluoranthene	283		1820	1910	90	1830	1650	75	15	10-156/91
191-24-2	Benzo(g,h,i)perylene	179		1820	1450	70	1830	1310	62	10	10-158/89
207-08-9	Benzo(k)fluoranthene	84.3		1820	1450	75	1830	1340	69	8	10-157/86
101-55-3	4-Bromophenyl phenyl ether	ND		1820	1300	72	1830	1380	75	6	10-143/87
85-68-7	Butyl benzyl phthalate	ND		1820	1370	75	1830	1380	75	1	10-161/89
92-52-4	1,1'-Biphenyl	5.9	J	1820	1180	65	1830	1250	68	6	10-143/86
100-52-7	Benzaldehyde	ND		1820	986	54	1830	1220	67	21	10-148/88
91-58-7	2-Chloronaphthalene	ND		1820	1200	66	1830	1250	68	4	10-145/86
106-47-8	4-Chloroaniline	ND		1820	539	30	1830	679	37	23	10-109/87
86-74-8	Carbazole	18.8	J	1820	1310	71	1830	1340	72	2	10-158/87
105-60-2	Caprolactam	ND		1820	1550	85	1830	1580	86	2	10-150/82
218-01-9	Chrysene	197		1820	1680	82	1830	1390	65	19	10-164/87
111-91-1	bis(2-Chloroethoxy)methane	ND		1820	1110	61	1830	1250	68	12	10-152/86
111-44-4	bis(2-Chloroethyl)ether	ND		1820	910	50	1830	1170	64	25	10-147/86

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59876-MS	CS7310.D	1	12/20/24	JY	12/06/24	OP59876	ECS377
OP59876-MSD	CS7311.D	1	12/20/24	JY	12/06/24	OP59876	ECS377
JE1536-4	4P694142.D	1	12/06/24	KH	12/06/24	OP59876	E4P3703

The QC reported here applies to the following samples: **Method:** SW846 8270E

JE1536-1, JE1536-2, JE1536-3, JE1536-4, JE1536-5, JE1536-6, JE1536-7, JE1536-8

CAS No.	Compound	JE1536-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
108-60-1	2,2'-Oxybis(1-chloropropane)	ND		1820	905	50	1830	1140	62	23	10-134/88
7005-72-3	4-Chlorophenyl phenyl ether	ND		1820	1230	68	1830	1320	72	7	10-142/87
121-14-2	2,4-Dinitrotoluene	ND		1820	1350	74	1830	1410	77	4	10-147/86
606-20-2	2,6-Dinitrotoluene	ND		1820	1350	74	1830	1430	78	6	10-147/88
91-94-1	3,3'-Dichlorobenzidine	ND		1820	710	39	1830	811	44	13	10-106/93
123-91-1	1,4-Dioxane	ND		1820	300	17	1830	544	30	58	10-102/85
53-70-3	Dibenzo(a,h)anthracene	44.8		1820	1240	66	1830	1250	66	1	10-149/89
132-64-9	Dibenzofuran	ND		1820	1290	71	1830	1310	72	2	10-155/86
84-74-2	Di-n-butyl phthalate	6.6	J	1820	1390	76	1830	1440	78	4	10-158/86
117-84-0	Di-n-octyl phthalate	ND		1820	1460	80	1830	1490	81	2	10-154/84
84-66-2	Diethyl phthalate	ND		1820	1280	70	1830	1360	74	6	10-148/84
131-11-3	Dimethyl phthalate	ND		1820	1250	69	1830	1340	73	7	10-144/85
117-81-7	bis(2-Ethylhexyl)phthalate	30.5	J	1820	1400	75	1830	1390	74	1	10-153/84
206-44-0	Fluoranthene	391		1820	2230	101	1830	1650	69	30	10-165/93
86-73-7	Fluorene	26.5	J	1820	1340	72	1830	1330	71	1	10-158/87
118-74-1	Hexachlorobenzene	ND		1820	1260	69	1830	1290	71	2	10-139/85
87-68-3	Hexachlorobutadiene	ND		1820	1020	56	1830	1190	65	15	10-139/88
77-47-4	Hexachlorocyclopentadiene	ND		3640	392	11	3660	265	7* [a]	39* [b]	10-116/30
67-72-1	Hexachloroethane	ND		1820	668	37	1830	848	46	24	10-141/93
193-39-5	Indeno(1,2,3-cd)pyrene	136		1820	1420	71	1830	1300	64	9	10-160/91
78-59-1	Isophorone	ND		1820	1110	61	1830	1250	68	12	10-150/86
91-57-6	2-Methylnaphthalene	ND		1820	1190	65	1830	1280	70	7	10-145/86
88-74-4	2-Nitroaniline	ND		1820	1320	73	1830	1380	75	4	10-152/77
99-09-2	3-Nitroaniline	ND		1820	1130	62	1830	1280	70	12	10-136/83
100-01-6	4-Nitroaniline	ND		1820	1270	70	1830	1380	75	8	10-140/81
91-20-3	Naphthalene	11.2	J	1820	1080	59	1830	1220	66	12	10-146/87
98-95-3	Nitrobenzene	ND		1820	992	55	1830	1160	63	16	10-146/88
621-64-7	N-Nitroso-di-n-propylamine	ND		1820	1230	68	1830	1420	78	14	10-147/77
86-30-6	N-Nitrosodiphenylamine	ND		1820	1250	69	1830	1270	69	2	10-159/78
85-01-8	Phenanthrene	198		1820	1960	97	1830	1430	67	31	10-158/95
129-00-0	Pyrene	306		1820	2110	99	1830	1550	68	31	10-176/90
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		1820	1180	65	1830	1250	68	6	10-137/87

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59876-MS	CS7310.D	1	12/20/24	JY	12/06/24	OP59876	ECS377
OP59876-MSD	CS7311.D	1	12/20/24	JY	12/06/24	OP59876	ECS377
JE1536-4	4P694142.D	1	12/06/24	KH	12/06/24	OP59876	E4P3703

The QC reported here applies to the following samples: **Method:** SW846 8270E

JE1536-1, JE1536-2, JE1536-3, JE1536-4, JE1536-5, JE1536-6, JE1536-7, JE1536-8

CAS No.	Surrogate Recoveries	MS	MSD	JE1536-4	Limits
367-12-4	2-Fluorophenol	58%	71%	80%	10-99%
4165-62-2	Phenol-d5	67%	71%	72%	10-96%
118-79-6	2,4,6-Tribromophenol	80%	81%	79%	10-123%
4165-60-0	Nitrobenzene-d5	61%	69%	75%	10-109%
321-60-8	2-Fluorobiphenyl	70%	71%	78%	11-109%
1718-51-0	Terphenyl-d14	77%	74%	70%	10-120%

(a) Outside of in house control limits.
(b) Analytical precision exceeds in-house control limits.

* = Outside of Control Limits.

Instrument Performance Check (DFTPP)

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: E4P3698-DFTPP
Lab File ID: 4P693994.D
Instrument ID: GCMS4P
Injection Date: 11/27/24
Injection Time: 13:51

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	37234	41.7		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	32676	36.6		Pass
70	Less than 2.0% of mass 69	259	0.29	(0.79) [a]	Pass
127	40.0 - 60.0% of mass 198	39387	44.1		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	89371	100.0		Pass
199	5.0 - 9.0% of mass 198	6152	6.88		Pass
275	10.0 - 30.0% of mass 198	20915	23.4		Pass
365	1.0 - 100.0% of mass 198	2270	2.54		Pass
441	Present, but less than mass 443	6453	7.22	(78.4) [b]	Pass
442	40.0 - 100.0% of mass 198	40960	45.8		Pass
443	17.0 - 23.0% of mass 442	8226	9.20	(20.1) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E4P3698-ICC3698	4P693995.D	11/27/24	14:14	00:23	Initial cal 50
E4P3698-IC3698	4P693996.D	11/27/24	14:37	00:46	Initial cal 1
E4P3698-IC3698	4P693997.D	11/27/24	15:00	01:09	Initial cal 2
E4P3698-IC3698	4P693998.D	11/27/24	15:22	01:31	Initial cal 5
E4P3698-IC3698	4P693999.D	11/27/24	15:46	01:55	Initial cal 10
E4P3698-IC3698	4P694000.D	11/27/24	16:08	02:17	Initial cal 25
E4P3698-IC3698	4P694001.D	11/27/24	16:31	02:40	Initial cal 80
E4P3698-IC3698	4P694002.D	11/27/24	16:54	03:03	Initial cal 100
E4P3698-IC3698	4P694003.D	11/27/24	17:17	03:26	Initial cal 1
E4P3698-IC3698	4P694004.D	11/27/24	17:39	03:48	Initial cal 2
E4P3698-IC3698	4P694005.D	11/27/24	18:02	04:11	Initial cal 5
E4P3698-IC3698	4P694006.D	11/27/24	18:25	04:34	Initial cal 10
E4P3698-IC3698	4P694007.D	11/27/24	18:48	04:57	Initial cal 25
E4P3698-IC3698	4P694008.D	11/27/24	19:11	05:20	Initial cal 50
E4P3698-IC3698	4P694009.D	11/27/24	19:34	05:43	Initial cal 80
E4P3698-IC3698	4P694010.D	11/27/24	19:56	06:05	Initial cal 100
E4P3698-ICV3698	4P694011.D	11/27/24	20:19	06:28	Initial cal verification 50
E4P3698-ICV3698	4P694012.D	11/27/24	20:42	06:51	Initial cal verification 50
E4P3698-ICV3698	4P694013.D	11/27/24	21:05	07:14	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	E4P3698-DFTPP	**Injection Date:**	11/27/24
Lab File ID:	4P693994.D	**Injection Time:**	13:51
Instrument ID:	GCMS4P		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E4P3698-ICV3698	4P694014.D	11/27/24	21:28	07:37	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: ECS369-DFTPP
Lab File ID: CS7078.D
Instrument ID: GCMSCS
Injection Date: 12/09/24
Injection Time: 14:45

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	14425	41.8		Pass
68	Less than 2.0% of mass 69	111	0.32	(0.83) [a]	Pass
69	Mass 69 relative abundance	13296	38.6		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	17863	51.8		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	34483	100.0		Pass
199	5.0 - 9.0% of mass 198	2296	6.66		Pass
275	10.0 - 31.0% of mass 198	7690	22.3		Pass
365	1.0 - 100.0% of mass 198	859	2.49		Pass
441	Present, but less than mass 443	4677	13.6	(76.9) [b]	Pass
442	40.0 - 100.0% of mass 198	30691	89.0		Pass
443	17.0 - 23.0% of mass 442	6082	17.6	(19.8) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ECS369-ICC369	CS7079.D	12/09/24	14:56	00:11	Initial cal 50
ECS369-IC369	CS7080.D	12/09/24	15:15	00:30	Initial cal 1
ECS369-IC369	CS7081.D	12/09/24	15:33	00:48	Initial cal 2
ECS369-IC369	CS7082.D	12/09/24	15:52	01:07	Initial cal 5
ECS369-IC369	CS7083.D	12/09/24	16:10	01:25	Initial cal 10
ECS369-IC369	CS7084.D	12/09/24	16:28	01:43	Initial cal 25
ECS369-IC369	CS7085.D	12/09/24	16:47	02:02	Initial cal 80
ECS369-IC369	CS7086.D	12/09/24	17:05	02:20	Initial cal 100
ECS369-IC369	CS7087.D	12/09/24	17:24	02:39	Initial cal 1
ECS369-IC369	CS7088.D	12/09/24	17:42	02:57	Initial cal 2
ECS369-IC369	CS7089.D	12/09/24	18:01	03:16	Initial cal 5
ECS369-IC369	CS7090.D	12/09/24	18:19	03:34	Initial cal 10
ECS369-IC369	CS7091.D	12/09/24	18:38	03:53	Initial cal 25
ECS369-IC369	CS7092.D	12/09/24	18:56	04:11	Initial cal 50
ECS369-IC369	CS7093.D	12/09/24	19:15	04:30	Initial cal 80
ECS369-IC369	CS7094.D	12/09/24	19:33	04:48	Initial cal 100
ECS369-ICV369	CS7095.D	12/09/24	19:52	05:07	Initial cal verification 50
ECS369-ICV369	CS7096.D	12/09/24	20:10	05:25	Initial cal verification 50
ECS369-ICV369	CS7097.D	12/09/24	20:29	05:44	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	ECS369-DFTPP	**Injection Date:**	12/09/24
Lab File ID:	CS7078.D	**Injection Time:**	14:45
Instrument ID:	GCMSCS		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ECS369-ICV369	CS7098.D	12/09/24	20:47	06:02	Initial cal verification 50

Internal Standard Area Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	E4P3703-CC3698	**Injection Date:**	12/06/24
Lab File ID:	4P694134.D	**Injection Time:**	09:12
Instrument ID:	GCMS4P	**Method:**	SW846 8270E

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Initial Cal [a]	63932	4.59	237036	5.38	135783	6.62	250378	7.97	226451	10.96	244790	12.55
Check Std [b]	85152	4.57	320794	5.38	187664	6.61	346691	7.97	345284	10.96	385978	12.56
Upper Limit [c]	170304	4.74	641588	5.55	375328	6.78	693382	8.14	690568	11.13	771956	12.73
Lower Limit [d]	42576	4.40	160397	5.21	93832	6.44	173346	7.80	172642	10.79	192989	12.39

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP59876-MB1	93151	4.57	352145	5.37	199461	6.61	359924	7.97	320124	10.95	315920	12.55
OP59876-BS1	86966	4.57	317733	5.37	181945	6.61	316432	7.97	266910	10.96	306760	12.56
JE1536-1	84817	4.57	311291	5.37	175793	6.60	299560	7.96	261203	10.95	294448	12.56
JE1536-2	81407	4.58	300019	5.37	169285	6.61	290625	7.97	289843	10.96	302155	12.56
JE1536-3	86371	4.58	317905	5.37	171381	6.61	283908	7.97	311766	10.96	346809	12.56
JE1536-4	80753	4.58	303866	5.37	169049	6.61	280720	7.97	294679	10.96	333428	12.56
JE1536-5	80993	4.58	297797	5.37	158384	6.61	265264	7.97	309000	10.96	316240	12.56
JE1536-6	73998	4.58	279569	5.37	156792	6.61	251021	7.97	306266	10.96	312026	12.57
JE1536-7	95941	4.58	350562	5.38	195642	6.61	311001	7.97	301808	10.96	340176	12.57
JE1536-8	89535	4.58	336244	5.38	178753	6.61	294813	7.97	295367	10.96	352256	12.57
ZZZZZZ	79674	4.58	299914	5.38	185902	6.61	348006	7.97	361751	10.96	388258	12.57
JE1455-1	67881	4.57	260086	5.37	151406	6.61	277839	7.97	282854	10.96	313827	12.57
ZZZZZZ	77428	4.57	291297	5.37	168151	6.61	312565	7.97	334606	10.96	358634	12.57
ZZZZZZ	70379	4.57	268106	5.37	161425	6.61	298486	7.97	294603	10.96	324196	12.56
ZZZZZZ	79643	4.57	302526	5.37	179896	6.61	332701	7.97	345951	10.96	370995	12.57
ZZZZZZ	77361	4.57	295862	5.37	181817	6.61	329875	7.97	331957	10.96	357807	12.57
ZZZZZZ	68641	4.57	272166	5.37	165006	6.61	305121	7.97	321762	10.97	306613	12.58
ZZZZZZ	64918	4.57	245688	5.37	147959	6.61	267848	7.97	276143	10.96	301910	12.57
ZZZZZZ	65394	4.57	246379	5.37	146009	6.61	269732	7.97	272384	10.96	291865	12.56
ZZZZZZ	73812	4.57	271843	5.37	158482	6.61	276735	7.97	291970	10.96	315658	12.56
ZZZZZZ	69224	4.57	256724	5.37	143643	6.61	264832	7.97	276795	10.96	299428	12.56
ZZZZZZ	67796	4.57	246377	5.37	136545	6.61	229684	7.97	252330	10.96	266832	12.57
ZZZZZZ	77922	4.58	282011	5.37	154298	6.61	260817	7.97	309286	10.99	269380	12.59
ZZZZZZ	86680	4.58	309976	5.38	165834	6.61	263248	7.97	296791	10.97	277395	12.58
ZZZZZZ	75675	4.58	275859	5.38	154398	6.61	261888	7.97	292007	10.97	309564	12.58
ZZZZZZ	75932	4.58	279399	5.37	154045	6.61	265378	7.97	305295	10.98	283686	12.59
ZZZZZZ	79142	4.58	288286	5.38	156346	6.61	257270	7.97	302924	10.98	293705	12.59

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12

Internal Standard Area Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	E4P3703-CC3698	**Injection Date:**	12/06/24
Lab File ID:	4P694134.D	**Injection Time:**	09:12
Instrument ID:	GCMS4P	**Method:**	SW846 8270E

Lab Sample ID	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT	IS 3 AREA	IS 3 RT	IS 4 AREA	IS 4 RT	IS 5 AREA	IS 5 RT	IS 6 AREA	IS 6 RT

IS 6 = Perylene-d12

(a) Initial Cal is: E4P3698-ICC3698 4P693995.D 11/27/24 14:14
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

Internal Standard Area Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	ECS377-CC369	**Injection Date:**	12/20/24
Lab File ID:	CS7297.D	**Injection Time:**	10:46
Instrument ID:	GCMSCS	**Method:**	SW846 8270E

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Initial Cal [a]	45997	3.46	165879	4.17	88622	5.22	140428	6.43	100708	9.31	122317	10.89
Check Std [b]	40993	3.36	156060	4.07	84991	5.10	145241	6.28	107548	9.14	135403	10.72
Upper Limit [c]	81986	3.53	312120	4.24	169982	5.27	290482	6.45	215096	9.31	270806	10.89
Lower Limit [d]	20497	3.19	78030	3.90	42496	4.93	72621	6.11	53774	8.97	67702	10.55

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
ZZZZZZ	47607	3.36	180238	4.07	97327	5.10	165615	6.28	133526	9.14	140341	10.72
ZZZZZZ	50209	3.36	184795	4.07	99535	5.10	166127	6.28	133164	9.14	134090	10.72
ZZZZZZ	52684	3.36	192370	4.07	104383	5.10	169463	6.28	140183	9.14	140078	10.72
ZZZZZZ	50542	3.36	191956	4.07	98655	5.10	157437	6.28	120976	9.14	128132	10.72
ZZZZZZ	43466	3.36	165108	4.08	91018	5.10	153548	6.28	124735	9.15	119651	10.73
ZZZZZZ	45488	3.37	161983	4.08	84720	5.11	136895	6.29	106636	9.16	107340	10.74
ZZZZZZ	43840	3.37	163808	4.08	85849	5.11	137668	6.29	112086	9.16	113761	10.74
ZZZZZZ	45185	3.37	162116	4.08	84548	5.11	140689	6.29	111887	9.16	111555	10.75
ZZZZZZ	50221	3.37	182730	4.08	94897	5.11	151715	6.29	121243	9.17	122836	10.75
ZZZZZZ	48713	3.37	175095	4.08	94634	5.11	149589	6.29	115635	9.17	121104	10.75
OP59876-MS	43999	3.37	164931	4.08	88971	5.11	149140	6.29	109317	9.17	123947	10.75
OP59876-MSD	42781	3.37	161670	4.08	87858	5.11	146751	6.30	112884	9.17	124363	10.75

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Initial Cal is: ECS369-ICC369 CS7079.D 12/09/24 14:56
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

Surrogate Recovery Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Method: SW846 8270E **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
JE1536-1	4P694139.D	68	67	71	70	74	70
JE1536-2	4P694140.D	71	68	71	71	74	67
JE1536-3	4P694141.D	50	46	50	48	51	45
JE1536-4	4P694142.D	80	72	79	75	78	70
JE1536-5	4P694143.D	44	46	47	48	46	41
JE1536-6	4P694144.D	64	60	76	73	79	68
JE1536-7	4P694145.D	60	55	69	68	72	71
JE1536-8	4P694146.D	47	46	36	49	53	43
OP59876-BS1	4P694138.D	73	69	71	69	70	75
OP59876-MB1	4P694137.D	64	62	70	60	68	78
OP59876-MS	CS7310.D	58	67	80	61	70	77
OP59876-MSD	CS7311.D	71	71	81	69	71	74

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	10-99%
S2 = Phenol-d5	10-96%
S3 = 2,4,6-Tribromophenol	10-123%
S4 = Nitrobenzene-d5	10-109%
S5 = 2-Fluorobiphenyl	11-109%
S6 = Terphenyl-d14	10-120%

Initial Calibration Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: E4P3698-ICC3698
Lab FileID: 4P693995.D

Response Factor Report GCMS4P

Method : C:\MSDCHEM\1\METHODS\M4P3698.M (RTE Integrator)
Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
Last Update : Mon Dec 02 10:54:52 2024
Response via : Initial Calibration

Calibration Files
2 =4p693997.D 5 =4p693998.D 100 =4p694002.D 50 =4p693995.D
1 =4p693996.D 10 =4p693999.D 80 =4p694001.D 25 =4p694000.D

Compound	2	5	100	50	1	10	80	25	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	ISTD									
2) 1,4-Dioxane	0.587	0.603	0.548	0.538	0.573	0.481	0.516	0.499	0.543	7.95
3) Pyridine	1.299	1.207	1.487	1.329	1.101	1.215	1.327	1.208	1.272	9.13
4) N-Nitrosodim	0.578	0.592	0.700	0.654	0.746	0.543	0.617	0.564	0.624	11.34
5) 2-Fluorophen	1.109	1.051	1.288	1.085	1.072	1.020	1.141	1.029	1.099	7.84
6) Indene	2.210	2.201	2.438	2.290	2.371	2.169	2.212	2.146	2.255	4.57
7) Cumene	2.485	2.375	2.750	2.477	2.469	2.380	2.418	2.412	2.471	4.88
8) Phenol-d5	1.379	1.317	1.655	1.450	1.446	1.378	1.496	1.451	1.447	7.02
9) Phenol	1.530	1.515	1.943	1.580	1.613	1.543	1.593	1.550	1.608	8.65
10) Aniline	1.933	1.819	2.176	1.942	1.946	1.921	1.975	1.904	1.952	5.21
11) bis(2-Chloro	1.212	1.119	1.319	1.188	1.217	1.151	1.194	1.141	1.193	5.19
12) 2-Chlorophen	1.285	1.191	1.445	1.335	1.361	1.261	1.316	1.245	1.305	5.97
13) Decane	1.593	1.444	1.585	1.564	1.685	1.458	1.466	1.425	1.527	6.06
14) 1,3-Dichloro	1.599	1.544	1.695	1.553	1.578	1.518	1.540	1.462	1.561	4.34
15) 1,4-Dichloro	1.567	1.593	1.704	1.583	1.684	1.511	1.559	1.487	1.586	4.77
16) Benzyl alcoh	0.791	0.823	0.964	0.910	0.753	0.837	0.885	0.830	0.849	7.97
17) 1,2-Dichloro	1.601	1.467	1.632	1.505	1.471	1.449	1.490	1.441	1.507	4.71
18) Acetophenone	1.950	1.782	2.054	1.968	2.052	1.828	1.888	1.832	1.919	5.39
19) 2-Methylphen	1.157	1.190	1.330	1.235	1.248	1.141	1.224	1.150	1.209	5.27
20) 2,2'-oxybis(	0.352	0.336	0.383	0.358	0.311	0.352	0.357	0.341	0.349	5.97
21) 3&4-Methylph	1.275	1.234	1.382	1.312	1.304	1.242	1.257	1.218	1.278	4.16
22) n-Nitroso-di	1.024	0.893	1.030	1.011	0.953	0.924	0.935	0.911	0.960	5.62
23) Hexachloroet	0.602	0.569	0.641	0.581	0.571	0.541	0.585	0.571	0.583	5.02
24) I Naphthalene-d8	ISTD									
25) Nitrobenzene	0.362	0.312	0.386	0.370	0.370	0.346	0.349	0.339	0.354	6.51
26) Nitrobenzene	0.382	0.332	0.401	0.390	0.408	0.367	0.370	0.358	0.376	6.62
27) Quinoline	0.660	0.654	0.744	0.709	0.664	0.662	0.673	0.651	0.677	4.81
28) Isophorone	0.653	0.639	0.722	0.702	0.648	0.640	0.653	0.640	0.662	4.78
29) 2-Nitropheno	0.174	0.163	0.209	0.192	0.173	0.171	0.187	0.177	0.181	8.14
30) 2,4-Dimethyl	0.365	0.346	0.387	0.372	0.345	0.343	0.355	0.344	0.357	4.56
31) Benzoic acid		0.187	0.273	0.251		0.205	0.244	0.224	0.231	13.69
32) bis(2-Chloro	0.408	0.380	0.446	0.425	0.407	0.389	0.396	0.389	0.405	5.41
33) 2,4-Dichloro	0.299	0.292	0.337	0.315	0.308	0.307	0.306	0.289	0.307	4.92
34) 2,6-Dichloro	0.287	0.285	0.334	0.309	0.284	0.289	0.303	0.288	0.297	5.86
35) 1,3,5-Trichl	0.375	0.369	0.398	0.371	0.395	0.359	0.359	0.355	0.373	4.33
36) 1,2,4-Trichl	0.343	0.334	0.374	0.352	0.353	0.331	0.334	0.330	0.344	4.37
37) 1,2,3-Trichl	0.329	0.323	0.377	0.349	0.314	0.337	0.337	0.322	0.336	5.84
38) Naphthalene	1.071	1.008	1.113	1.057	1.102	1.028	1.002	0.986	1.046	4.53
39) 4-Chloroanil	0.410	0.411	0.477	0.445	0.433	0.409	0.434	0.419	0.430	5.40
40) 2,3-Dichloro	0.319	0.337	0.378	0.359	0.350	0.328	0.340	0.328	0.342	5.62
41) Hydroquinone	0.260	0.265	0.327	0.318		0.286	0.297	0.286	0.291	8.63
42) Hexachlorobu	0.201	0.212	0.235	0.216	0.230	0.210	0.216	0.203	0.215	5.57
43) 4-Chloro-3-m	0.263	0.274	0.329	0.308	0.260	0.286	0.291	0.277	0.286	8.15
44) 2-Methylnaph	0.624	0.629	0.683	0.641	0.646	0.615	0.622	0.608	0.633	3.71
45) 1-Methylnaph	0.667	0.663	0.722	0.711	0.686	0.657	0.639	0.630	0.672	4.83

Initial Calibration Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: E4P3698-ICC3698
Lab FileID: 4P693995.D

46) I Acenaphthene-d10	ISTD									
47) Hexachlorocy	0.320	0.459	0.416		0.349	0.410	0.370	0.387	13.11	
48) 1,2,4,5-Tetr	0.621	0.619	0.699	0.669	0.640	0.628	0.631	0.602	0.638	4.88
49) 2,4,6-Trichl	0.373	0.367	0.439	0.416	0.375	0.370	0.395	0.383	0.390	6.60
50) 2,4,5-Trichl	0.366	0.408	0.483	0.438	0.389	0.416	0.428	0.411	0.417	8.28
51) 2-Fluorobiph	1.325	1.282	1.505	1.412	1.387	1.345	1.344	1.296	1.362	5.31
52) 2-Chloronaph	1.115	1.100	1.280	1.197	1.130	1.099	1.152	1.113	1.148	5.41
53) Biphenyl	1.482	1.472	1.667	1.581	1.547	1.473	1.501	1.426	1.519	5.05
54) 2-Nitroanili	0.315	0.286	0.371	0.352	0.301	0.316	0.333	0.310	0.323	8.65
55) Dimethylphth	1.292	1.237	1.463	1.368	1.333	1.280	1.310	1.262	1.318	5.41
56) Acenaphthyle	1.591	1.534	1.855	1.719	1.569	1.570	1.631	1.576	1.631	6.53
57) 2,6-Dinitrot	0.260	0.234	0.317	0.293	0.230	0.256	0.280	0.256	0.266	11.09
58) 3-Nitroanili	0.293	0.281	0.360	0.327	0.256	0.290	0.320	0.303	0.304	10.49
59) Acenaphthene	1.241	1.231	1.385	1.294	1.178	1.211	1.250	1.178	1.246	5.47
60) 2,4-Dinitrop	0.086	0.095	0.211	0.175		0.122	0.185	0.142	0.145	32.45
---- Quadratic regression ---- Coefficient = 0.9989										
Response Ratio = -0.00586 + 0.12847 *A + 0.01624 *A^2										
61) 4-Nitropheno	0.125	0.192	0.173		0.143	0.173	0.155	0.160	15.05	
62) Dibenzofuran	1.698	1.599	1.865	1.748	1.717	1.642	1.678	1.597	1.693	5.20
63) 2,4-Dinitrot	0.309	0.340	0.448	0.415	0.355	0.356	0.402	0.364	0.374	12.04
64) 2,3,4,6-Tetr	0.326	0.319	0.407	0.374	0.319	0.341	0.363	0.337	0.348	8.93
65) Diethylphtha	1.271	1.223	1.466	1.345	1.342	1.245	1.305	1.244	1.305	6.09
66) Fluorene	1.346	1.247	1.497	1.415	1.359	1.314	1.334	1.286	1.350	5.76
67) 4-Chlorophen	0.619	0.624	0.735	0.674	0.639	0.645	0.656	0.619	0.651	5.97
68) 4-Nitroanili	0.266	0.284	0.342	0.343	0.217	0.296	0.306	0.309	0.295	13.89
69) I Phenanthrene-d10	ISTD									
70) 4,6-Dinitro-	0.083	0.155	0.134		0.103	0.135	0.119	0.121	21.22	
---- Quadratic regression ---- Coefficient = 0.9979										
Response Ratio = -0.00367 + 0.11292 *A + 0.01589 *A^2										
71) n-Nitrosodip	0.598	0.547	0.684	0.614	0.575	0.594	0.602	0.585	0.600	6.64
72) Pentachloron	0.038	0.035	0.046	0.039	0.034	0.037	0.041	0.038	0.038#	10.23
73) 1,2-Diphenyl	0.687	0.648	0.794	0.735	0.721	0.716	0.707	0.696	0.713	5.88
74) 2,4,6-Tribro	0.100	0.091	0.116	0.100		0.096	0.104	0.098	0.101	7.85
75) 4-Bromopheny	0.221	0.207	0.253	0.222	0.218	0.213	0.224	0.215	0.222	6.26
76) Hexachlorobe	0.249	0.215	0.267	0.233	0.225	0.227	0.231	0.229	0.234	6.90
77) Pentachlorop	0.133	0.124	0.190	0.160		0.141	0.163	0.153	0.152	14.38
78) Phenanthrene	1.123	1.052	1.225	1.128	1.182	1.087	1.089	1.071	1.120	5.23
79) Anthracene	1.054	1.050	1.252	1.139	1.035	1.081	1.102	1.092	1.101	6.34
80) Carbazole	0.983	0.973	1.146	1.046	0.970	0.977	1.014	0.977	1.011	5.99
81) Di-n-butylph	1.062	1.085	1.419	1.269	1.140	1.170	1.253	1.185	1.198	9.61
82) Fluoranthene	1.096	1.104	1.414	1.195	1.240	1.205	1.259	1.202	1.214	8.20
83) Octadecane	0.447	0.411	0.529	0.501	0.468	0.457	0.471	0.456	0.468	7.59
84) I Chrysene-d12	ISTD									
85) Benzidine	0.692	0.811	0.730		0.936	0.855	0.821	0.807	10.84	
86) Pyrene	1.179	1.372	1.449	1.343	1.278	1.688	1.452	1.499	1.407	10.91
87) Terphenyl-d1	0.818	1.018	1.070	0.984	0.874	1.041	1.067	1.088	0.995	9.91
88) Butylbenzylp	0.432	0.475	0.629	0.565	0.449	0.545	0.630	0.614	0.542	14.95
89) Benzo[a]anth	1.313	1.206	1.465	1.337	1.343	1.225	1.321	1.194	1.301	6.92
90) 3,3'-Dichlor	0.444	0.392	0.578	0.497	0.441	0.442	0.499	0.422	0.464	12.55
91) Chrysene	1.233	1.165	1.391	1.258	1.267	1.189	1.280	1.248	1.254	5.41
92) bis(2-Ethylh	0.773	0.765	0.965	0.869	0.735	0.801	0.884	0.836	0.828	9.13
93) I Perylene-d12	ISTD									
94) Di-n-octylph	1.215	0.938		1.395	1.003	1.083	1.359	1.263	1.179	14.92
95) Benzo[b]fluo	1.213	1.144	1.423	1.230	1.159	1.196	1.292	1.250	1.238	7.15

Initial Calibration Summary

Job Number: JE1536 **Sample:** E4P3698-ICC3698
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 4P693995.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

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 96) Benzo[k]fluo 1.144 1.096 1.360 1.213 1.088 1.183 1.149 1.159 1.174   7.30
 97) Benzo[a]pyre 0.998 0.977 1.213 1.020 1.075 1.036 1.071 0.985 1.047   7.31
 98) Indeno[1,2,3 1.370 1.311 1.657 1.339 1.404 1.399 1.358 1.313 1.394   8.03
 99) Dibenz(a,h)a 0.881 0.848 1.079 0.949 0.930 0.891 0.943 0.698 0.903  11.92
100) Dibenz[a,h]a 1.136 1.037 1.366 1.086 1.143 1.131 1.093 1.053 1.130   9.08
101) 7,12-Dimethy 0.499 0.463 0.607 0.516 0.468 0.486 0.530 0.501 0.509   8.99
102) Benzo[g,h,i] 1.048 1.024 1.189 0.890 1.106 1.059 0.924 1.202 1.055  10.60

103) I   1,4-Dichlorobenzene-d ----------------ISTD---------------------
104) Benzaldehyde 1.189 1.187 1.391 1.135 1.458 1.025 1.225 1.102 1.214  11.92

105) I   Acenaphthene-d10a     ----------------ISTD---------------------
106) Atrazine     0.159 0.155 0.189 0.188       0.163 0.177 0.181 0.173   8.12

107) I   Chrysene-d12a         ----------------ISTD---------------------
108) 1-chloroocta 0.298 0.310 0.336 0.341 0.349 0.315 0.328 0.328 0.326   5.18

109) I   Phenanthrene-d10a     ----------------ISTD---------------------
110) o-terphenyl  0.509 0.529 0.575 0.614 0.626 0.572 0.536 0.562 0.565   7.18

111) I   Naphthalene-d8a       ----------------ISTD---------------------
112) Caprolactam  0.156 0.162 0.173 0.165 0.199 0.160 0.169 0.162 0.168   7.95


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 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           M4P3698.M         Mon Dec 02 10:57:30 2024
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Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: E4P3698-ICV3698
Lab FileID: 4P694011.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\e4p3698\4p694011.D Vial: 18
Acq On : 27 Nov 2024 8:19 pm Operator: rocquans
Sample : icv3698-50 Inst : GCMS4P
Misc : op55645,e4p3698,1000,,,1,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\M4P3698.M (RTE Integrator)
Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
Last Update : Mon Dec 02 10:20:50 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00	4.58
2	t	1,4-Dioxane	0.543	0.537	1.1	105	0.00	2.68
6	t	Indene	2.255	2.310	-2.4	106	0.00	4.75
7	t	Cumene	2.471	2.779	-12.5	118	0.00	4.09
11	t	bis(2-Chloroethyl)ether	1.193	1.244	-4.3	110	0.00	4.41
13	t	Decane	1.527	1.541	-0.9	104	0.00	4.47
14	t	1,3-Dichlorobenzene	1.561	1.644	-5.3	111	0.00	4.55
15	t	1,4-Dichlorobenzene	1.586	1.644	-3.7	109	0.00	4.60
16	t	Benzyl alcohol	0.849	0.834	1.8	97	0.00	4.67
17	t	1,2-Dichlorobenzene	1.507	1.472	2.3	103	0.00	4.69
18	t	Acetophenone	1.919	1.849	3.6	99	0.00	4.83
20	t	2,2'-oxybis(1-Chloropropa	0.349	0.361	-3.4	106	0.00	4.74
23	t	Hexachloroethane	0.583	0.593	-1.7	107	0.00	4.90
24	I	Naphthalene-d8	1.000	1.000	0.0	107	0.00	5.38
26	t	Nitrobenzene	0.376	0.346	8.0	95	0.00	4.94
27	t	Quinoline	0.677	0.705	-4.1	107	-0.01	5.60
28	t	Isophorone	0.662	0.648	2.1	99	0.00	5.08
32	t	bis(2-Chloroethoxy)methan	0.405	0.395	2.5	100	0.00	5.21
35	t	1,3,5-Trichlorobenzene	0.373	0.368	1.3	106	0.00	5.14
36	t	1,2,4-Trichlorobenzene	0.344	0.371	-7.8	113	0.00	5.34
37	t	1,2,3-Trichlorobenzene	0.336	0.363	-8.0	111	0.00	5.48
38	t	Naphthalene	1.046	1.090	-4.2	110	0.00	5.39
40	t	2,3-Dichloroaniline	0.342	0.353	-3.2	105	0.00	6.03
42	t	Hexachlorobutadiene	0.215	0.229	-6.5	113	0.00	5.46
44	t	2-Methylnaphthalene	0.633	0.654	-3.3	109	0.00	5.84
45	t	1-Methylnaphthalene	0.672	0.694	-3.3	105	0.00	5.91
46	I	Acenaphthene-d10	1.000	1.000	0.0	102	0.00	6.62
47	t	Hexachlorocyclopentadiene	0.387	0.474	-22.5	116	0.00	5.94
48		1,2,4,5-Tetrachlorobenzen	0.638	0.710	-11.3	108	0.00	5.95

Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: E4P3698-ICV3698
Lab FileID: 4P694011.D

52	t	2-Chloronaphthalene	1.148	1.246	-8.5	106	0.00	6.19
53	t	Biphenyl	1.519	1.647	-8.4	106	0.00	6.17
55	t	Dimethylphthalate	1.318	1.376	-4.4	103	0.00	6.39
56	t	Acenaphthylene	1.631	1.806	-10.7	107	0.00	6.50
57	t	2,6-Dinitrotoluene	0.266	0.281	-5.6	98	0.00	6.44
59	t	Acenaphthene	1.246	1.370	-10.0	108	0.00	6.64
62	t	Dibenzofuran	1.693	1.869	-10.4	109	0.00	6.78
63	t	2,4-Dinitrotoluene	0.374	0.413	-10.4	102	0.00	6.77
65	t	Diethylphthalate	1.305	1.365	-4.6	104	-0.01	6.96
66	t	Fluorene	1.350	1.489	-10.3	107	0.00	7.08
67	t	4-Chlorophenyl-phenylethe	0.651	0.728	-11.8	110	0.00	7.07
69	I	Phenanthrene-d10	1.000	1.000	0.0	111	0.00	7.97
72		Pentachloronitrobenzene	0.038	0.041#	-7.9	115	0.00	7.79
73	t	1,2-Diphenylhydrazine	0.713	0.675	5.3	102	0.00	7.21
75	t	4-Bromophenyl-phenylether	0.222	0.232	-4.5	116	0.00	7.52
76	t	Hexachlorobenzene	0.234	0.240	-2.6	115	0.00	7.59
78	t	Phenanthrene	1.120	1.104	1.4	109	0.00	7.99
79	t	Anthracene	1.101	1.130	-2.6	111	0.00	8.05
80	t	Carbazole	1.011	1.028	-1.7	110	0.00	8.22
81	t	Di-n-butylphthalate	1.198	1.257	-4.9	110	0.00	8.59
82	t	Fluoranthene	1.214	1.233	-1.6	115	0.00	9.28
83	t	Octadecane	0.468	0.476	-1.7	106	0.00	7.85
84	I	Chrysene-d12	1.000	1.000	0.0	112	0.00	10.95
86	t	Pyrene	1.407	1.463	-4.0	122	0.00	9.54
88	t	Butylbenzylphthalate	0.542	0.586	-8.1	116	0.00	10.32
89	t	Benzo[a]anthracene	1.301	1.401	-7.7	117	0.00	10.94
91	t	Chrysene	1.254	1.372	-9.4	122	0.00	10.98
92	t	bis(2-Ethylhexyl)phthalat	0.828	0.898	-8.5	116	0.00	11.02
93	I	Perylene-d12	1.000	1.000	0.0	120	0.00	12.54
94	t	Di-n-octylphthalate	1.179	1.462	-24.0	125	0.00	11.76
95	t	Benzo[b]fluoranthene	1.238	1.385	-11.9	135	0.00	12.15
96	t	Benzo[k]fluoranthene	1.174	1.198	-2.0	118	0.00	12.18
97	t	Benzo[a]pyrene	1.047	1.125	-7.4	132	0.00	12.49
98	t	Indeno[1,2,3-cd]pyrene	1.394	1.517	-8.8	136	0.00	13.78
99	t	Dibenz(a,h)acridine	0.903	0.998	-10.5	126	0.00	13.50
100	t	Dibenz[a,h]anthracene	1.130	1.257	-11.2	139	0.00	13.81
101	t	7,12-Dimethylbenz(a)anthr	0.509	0.506	0.6	117	0.00	12.14
102	t	Benzo[g,h,i]perylene	1.055	1.188	-12.6	160	0.00	14.14

(#) = Out of Range SPCC's out = 0 CCC's out = 0

8.7.2

8

Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: E4P3698-ICV3698
Lab FileID: 4P694011.D

4p693995.D M4P3698.M Mon Dec 02 10:33:20 2024

Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: E4P3698-ICV3698
Lab FileID: 4P694012.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\e4p3698\4p694012.D Vial: 19
Acq On : 27 Nov 2024 8:42 pm Operator: rocquans
Sample : icv3698-50 Inst : GCMS4P
Misc : op55645,e4p3698,1000,,,1,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\M4P3698.M (RTE Integrator)
Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
Last Update : Mon Dec 02 10:20:50 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	118	0.00	4.59
9	t	Phenol	1.608	1.606	0.1	120	0.00	4.35
12	t	2-Chlorophenol	1.305	1.325	-1.5	117	0.00	4.45
19	t	2-Methylphenol	1.209	1.202	0.6	115	0.00	4.73
21	t	3&4-Methylphenol	1.278	1.294	-1.3	116	0.00	4.83
24	I	Naphthalene-d8	1.000	1.000	0.0	123	0.00	5.38
29	t	2-Nitrophenol	0.181	0.180	0.6	115	0.00	5.14
30	t	2,4-Dimethylphenol	0.357	0.353	1.1	117	0.00	5.15
31	t	Benzoic acid	0.231	0.243	-5.2	119	0.00	5.22
33	t	2,4-Dichlorophenol	0.307	0.304	1.0	118	0.00	5.28
34	t	2,6-Dichlorophenol	0.297	0.301	-1.3	120	0.00	5.42
41	t	Hydroquinone	0.291	0.342	-17.5	132	-0.04	5.63
43	t	4-Chloro-3-methylphenol	0.286	0.292	-2.1	117	-0.01	5.72
46	I	Acenaphthene-d10	1.000	1.000	0.0	123	0.00	6.62
49	t	2,4,6-Trichlorophenol	0.390	0.409	-4.9	121	0.00	6.03
50	t	2,4,5-Trichlorophenol	0.417	0.433	-3.8	122	0.00	6.06
		----------	True	Calc.	% Drift		----------	
60	t	2,4-Dinitrophenol	100.000	98.277	1.7	115	-0.01	6.66
		----------	AvgRF	CCRF	% Dev		----------	
61	t	4-Nitrophenol	0.160	0.166	-3.8	119	0.00	6.71
64	t	2,3,4,6-Tetrachlorophenol	0.348	0.368	-5.7	121	0.00	6.88
69	I	Phenanthrene-d10	1.000	1.000	0.0	129	0.00	7.97

Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: E4P3698-ICV3698
Lab FileID: 4P694012.D

			True	Calc.	% Drift			
70	t	4,6-Dinitro-2-methylpheno	50.000	47.983	4.0	120	0.00	7.12
77	t	Pentachlorophenol	0.152	0.155	-2.0	124	0.00	7.78

(#) = Out of Range SPCC's out = 0 CCC's out = 0
4p693995.D M4P3698.M Mon Dec 02 10:33:22 2024

Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: E4P3698-ICV3698
Lab FileID: 4P694013.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\e4p3698\4p694013.D Vial: 20
Acq On : 27 Nov 2024 9:05 pm Operator: rocquans
Sample : icv3698-50 Inst : GCMS4P
Misc : op55645,e4p3698,1000,,,1,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\M4P3698.M (RTE Integrator)
Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
Last Update : Mon Dec 02 10:20:50 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	125	0.00	4.59
3	t	Pyridine	1.272	1.304	-2.5	123	0.00	2.92
4	t	N-Nitrosodimethylamine	0.624	0.600	3.8	115	0.00	2.89
10	t	Aniline	1.952	2.031	-4.0	131	0.00	4.38
22	t	n-Nitroso-di-n-propylamin	0.960	0.976	-1.7	121	0.00	4.83
24	I	Naphthalene-d8	1.000	1.000	0.0	130	0.00	5.38
39	t	4-Chloroaniline	0.430	0.431	-0.2	126	0.00	5.42
46	I	Acenaphthene-d10	1.000	1.000	0.0	133	0.00	6.62
54	t	2-Nitroaniline	0.323	0.330	-2.2	124	0.00	6.26
58	t	3-Nitroaniline	0.304	0.318	-4.6	129	-0.01	6.58
68	t	4-Nitroaniline	0.295	0.308	-4.4	119	0.00	7.10
69	I	Phenanthrene-d10	1.000	1.000	0.0	133	0.00	7.97
		----------	AvgRF	CCRF	% Dev	----------		
71	t	n-Nitrosodiphenylamine	0.600	0.597	0.5	130	0.00	7.18
84	I	Chrysene-d12	1.000	1.000	0.0	134	-0.01	10.95
85		Benzidine	0.807	0.880	-9.0	161	0.00	9.44
90	t	3,3'-Dichlorobenzidine	0.464	0.504	-8.6	136	0.00	10.92

(#) = Out of Range SPCC's out = 0 CCC's out = 0
4p693995.D M4P3698.M Mon Dec 02 10:33:24 2024

Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: E4P3698-ICV3698
Lab FileID: 4P694014.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\e4p3698\4p694014.D Vial: 21
Acq On : 27 Nov 2024 9:28 pm Operator: rocquans
Sample : icv3698-50 Inst : GCMS4P
Misc : op55645,e4p3698,1000,,,1,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\M4P3698.M (RTE Integrator)
Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
Last Update : Mon Dec 02 10:54:52 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
103 I	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	105	0.00	4.59
104 t	Benzaldehyde	1.214	1.090	10.2	101	0.00	4.31
105 I	Acenaphthene-d10a	1.000	1.000	0.0	103	0.00	6.62
106 t	Atrazine	0.173	0.183	-5.8	100	0.00	7.68
111 I	Naphthalene-d8a	1.000	1.000	0.0	107	0.00	5.38
112	Caprolactam	0.168	0.148	11.9	96	0.00	5.64

(#) = Out of Range SPCC's out = 0 CCC's out = 0
4p694008a.D M4P3698.M Mon Dec 02 10:57:42 2024

8.7.5

8

Continuing Calibration Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: E4P3703-CC3698
Lab FileID: 4P694134.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton SVOA GCMS\...06\E4P3703\4p694134.d Vial: 2
Acq On : 6 Dec 2024 9:12 am Operator: kaleigh
Sample : cc3698-50 Inst : GCMS4P
Misc : op55645,e4p3703,1000,,,1,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : X:\Dayton SVOA G...Method\M4P3698.M (RTE Integrator)
Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
Last Update : Fri Dec 06 18:18:31 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	133	0.00	4.57
2	t	1,4-Dioxane	0.543	0.524	3.5	130	0.00	2.65
3	t	Pyridine	1.272	1.454	-14.3	146	0.00	2.89
4	t	N-Nitrosodimethylamine	0.624	0.726	-16.3	148	0.00	2.86
5	S	2-Fluorophenol	1.099	1.254	-14.1	154	0.00	3.76
6	t	Indene	2.255	2.265	-0.4	132	0.00	4.73
7	t	Cumene	2.471	2.669	-8.0	143	0.00	4.08
8	S	Phenol-d5	1.447	1.556	-7.5	143	0.00	4.34
9	t	Phenol	1.608	1.797	-11.8	151	0.00	4.36
10	t	Aniline	1.952	2.018	-3.4	138	0.00	4.37
11	t	bis(2-Chloroethyl)ether	1.193	1.224	-2.6	137	0.00	4.40
12	t	2-Chlorophenol	1.305	1.399	-7.2	140	0.00	4.45
13	t	Decane	1.527	1.509	1.2	129	0.00	4.46
14	t	1,3-Dichlorobenzene	1.561	1.585	-1.5	136	0.00	4.54
15	t	1,4-Dichlorobenzene	1.586	1.573	0.8	132	0.00	4.59
16	t	Benzyl alcohol	0.849	0.929	-9.4	136	0.00	4.66
17	t	1,2-Dichlorobenzene	1.507	1.523	-1.1	135	0.00	4.68
18	t	Acetophenone	1.919	1.959	-2.1	133	0.00	4.83
19	t	2-Methylphenol	1.209	1.274	-5.4	137	0.00	4.73
20	t	2,2'-oxybis(1-Chloropropa	0.349	0.365	-4.6	136	0.00	4.73
21	t	3&4-Methylphenol	1.278	1.325	-3.7	135	0.00	4.83
22	t	n-Nitroso-di-n-propylamin	0.960	1.013	-5.5	133	0.00	4.82
23	t	Hexachloroethane	0.583	0.590	-1.2	135	0.00	4.90
24	I	Naphthalene-d8	1.000	1.000	0.0	135	0.00	5.38
25	S	Nitrobenzene-d5	0.354	0.371	-4.8	136	0.00	4.92
26	t	Nitrobenzene	0.376	0.391	-4.0	136	0.00	4.93
27	t	Quinoline	0.677	0.701	-3.5	134	0.00	5.61
28	t	Isophorone	0.662	0.695	-5.0	134	0.00	5.08
29	t	2-Nitrophenol	0.181	0.200	-10.5	141	0.00	5.14
30	t	2,4-Dimethylphenol	0.357	0.372	-4.2	136	0.00	5.16
31	t	Benzoic acid	0.231	0.253	-9.5	136	0.00	5.24
32	t	bis(2-Chloroethoxy)methan	0.405	0.419	-3.5	133	0.00	5.20
33	t	2,4-Dichlorophenol	0.307	0.323	-5.2	139	0.00	5.29
34	t	2,6-Dichlorophenol	0.297	0.322	-8.4	141	0.00	5.42
35	t	1,3,5-Trichlorobenzene	0.373	0.369	1.1	135	0.00	5.14
36	t	1,2,4-Trichlorobenzene	0.344	0.356	-3.5	137	0.00	5.33
37	t	1,2,3-Trichlorobenzene	0.336	0.349	-3.9	136	0.00	5.48
38	t	Naphthalene	1.046	1.053	-0.7	135	0.00	5.39
39	t	4-Chloroaniline	0.430	0.444	-3.3	135	0.00	5.42
40	t	2,3-Dichloroaniline	0.342	0.358	-4.7	135	0.00	6.03
41	t	Hydroquinone	0.291	0.300	-3.1	127	0.00	5.67

Continuing Calibration Summary

Job Number: JE1536 **Sample:** E4P3703-CC3698
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 4P694134.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

42	t	Hexachlorobutadiene	0.215	0.219	-1.9	137	0.00	5.46
43	t	4-Chloro-3-methylphenol	0.286	0.307	-7.3	135	0.00	5.73
44	t	2-Methylnaphthalene	0.633	0.646	-2.1	136	0.00	5.84
45	t	1-Methylnaphthalene	0.672	0.687	-2.2	131	0.00	5.90
46	I	Acenaphthene-d10	1.000	1.000	0.0	138	0.00	6.61
47	t	Hexachlorocyclopentadiene	0.387	0.375	3.1	124	0.00	5.94
48		1,2,4,5-Tetrachlorobenzen	0.638	0.655	-2.7	135	0.00	5.95
49	t	2,4,6-Trichlorophenol	0.390	0.409	-4.9	136	0.00	6.04
50	t	2,4,5-Trichlorophenol	0.417	0.451	-8.2	142	0.00	6.07
51	S	2-Fluorobiphenyl	1.362	1.402	-2.9	137	0.00	6.09
52	t	2-Chloronaphthalene	1.148	1.189	-3.6	137	0.00	6.18
53	t	Biphenyl	1.519	1.551	-2.1	136	0.00	6.16
54	t	2-Nitroaniline	0.323	0.354	-9.6	139	0.00	6.26
55	t	Dimethylphthalate	1.318	1.369	-3.9	138	0.00	6.39
56	t	Acenaphthylene	1.631	1.698	-4.1	137	0.00	6.50
57	t	2,6-Dinitrotoluene	0.266	0.299	-12.4	141	0.00	6.44
58	t	3-Nitroaniline	0.304	0.332	-9.2	140	0.00	6.59
59	t	Acenaphthene	1.246	1.277	-2.5	136	0.00	6.64
			True	Calc.	% Drift			
60	t	2,4-Dinitrophenol	100.000	106.784	-6.8	143	0.00	6.67
			AvgRF	CCRF	% Dev			
61	t	4-Nitrophenol	0.160	0.164	-2.5	131	0.00	6.73
62	t	Dibenzofuran	1.693	1.710	-1.0	135	0.00	6.78
63	t	2,4-Dinitrotoluene	0.374	0.426	-13.9	142	0.00	6.78
64	t	2,3,4,6-Tetrachlorophenol	0.348	0.374	-7.5	138	0.00	6.89
65	t	Diethylphthalate	1.305	1.358	-4.1	140	0.00	6.96
66	t	Fluorene	1.350	1.391	-3.0	136	0.00	7.07
67	t	4-Chlorophenyl-phenylethe	0.651	0.680	-4.5	139	0.00	7.06
68	t	4-Nitroaniline	0.295	0.333	-12.9	134	0.00	7.11
69	I	Phenanthrene-d10	1.000	1.000	0.0	138	0.00	7.97
			True	Calc.	% Drift			
70	t	4,6-Dinitro-2-methylpheno	50.000	51.611	-3.2	140	0.00	7.13
			AvgRF	CCRF	% Dev			
71	t	n-Nitrosodiphenylamine	0.600	0.620	-3.3	140	0.00	7.18
72		Pentachloronitrobenzene	0.038	0.043#	-13.2	153	0.00	7.80
73	t	1,2-Diphenylhydrazine	0.713	0.713	0.0	134	0.00	7.21
74	S	2,4,6-Tribromophenol	0.101	0.107	-5.9	147	0.00	7.30
75	t	4-Bromophenyl-phenylether	0.222	0.237	-6.8	148	0.00	7.52
76	t	Hexachlorobenzene	0.234	0.246	-5.1	146	0.00	7.59
77	t	Pentachlorophenol	0.152	0.151	0.7	130	0.00	7.79
78	t	Phenanthrene	1.120	1.135	-1.3	139	0.00	8.00
79	t	Anthracene	1.101	1.154	-4.8	140	0.00	8.05
80	t	Carbazole	1.011	1.070	-5.8	142	0.00	8.22
81	t	Di-n-butylphthalate	1.198	1.306	-9.0	143	0.00	8.59
82	t	Fluoranthene	1.214	1.328	-9.4	154	0.00	9.28
83	t	Octadecane	0.468	0.482	-3.0	133	0.00	7.84
84	I	Chrysene-d12	1.000	1.000	0.0	152	0.00	10.96
85		Benzidine	0.807	0.676	16.2	141	0.00	9.45
86	t	Pyrene	1.407	1.323	6.0	150	0.00	9.54
87	S	Terphenyl-d14	0.995	0.978	1.7	151	0.00	9.73
88	t	Butylbenzylphthalate	0.542	0.581	-7.2	157	0.00	10.32
89	t	Benzo[a]anthracene	1.301	1.313	-0.9	150	0.00	10.95
90	t	3,3'-Dichlorobenzidine	0.464	0.520	-12.1	159	0.00	10.93

8.7.6

8

Continuing Calibration Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: E4P3703-CC3698
Lab FileID: 4P694134.D

91	t	Chrysene	1.254	1.258	-0.3	152	0.00	11.00
92	t	bis(2-Ethylhexyl)phthalat	0.828	0.876	-5.8	154	0.00	11.02
93	I	Perylene-d12	1.000	1.000	0.0	158	0.00	12.56
94	t	Di-n-octylphthalate	1.179	1.365	-15.8	154	0.00	11.76
95	t	Benzo[b]fluoranthene	1.238	1.329	-7.4	170	0.00	12.17
96	t	Benzo[k]fluoranthene	1.174	1.166	0.7	152	0.00	12.19
97	t	Benzo[a]pyrene	1.047	1.116	-6.6	173	0.00	12.50
98	t	Indeno[1,2,3-cd]pyrene	1.394	1.487	-6.7	175	0.00	13.82
99	t	Dibenz(a,h)acridine	0.903	0.978	-8.3	163	0.00	13.52
100	t	Dibenz[a,h]anthracene	1.130	1.210	-7.1	176	0.00	13.84
101	t	7,12-Dimethylbenz(a)anthr	0.509	0.521	-2.4	159	0.00	12.16
102	t	Benzo[g,h,i]perylene	1.055	1.115	-5.7	198	0.00	14.17

(#) = Out of Range SPCC's out = 0 CCC's out = 0
4p694134.d M4P3698.M Fri Dec 06 18:22:35 2024

8.7.6

8

Continuing Calibration Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: E4P3703-CC3698
Lab FileID: 4P694135.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton SVOA GCMS\...06\E4P3703\4p694135.d Vial: 3
Acq On : 6 Dec 2024 9:36 am Operator: kaleigh
Sample : cc3698-50 Inst : GCMS4P
Misc : op55645,e4p3703,1000,,,1,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : X:\Dayton SVOA G...Method\M4P3698.M (RTE Integrator)
Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
Last Update : Fri Dec 06 18:18:31 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
103	I	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	94	0.00	4.57
104	t	Benzaldehyde	1.214	1.133	6.7	94	0.00	4.30
105	I	Acenaphthene-d10a	1.000	1.000	0.0	96	0.00	6.61
106	t	Atrazine	0.173	0.192	-11.0	98	0.00	7.68
107	I	Chrysene-d12a	1.000	1.000	0.0	101	-0.01	10.95
108	s	1-chlorooctadecane	0.326	0.328	-0.6	97	-0.02	9.16
109	I	Phenanthrene-d10a	1.000	1.000	0.0	97	0.00	7.97
110	s	o-terphenyl	0.565	0.599	-6.0	95	-0.01	8.36
111	I	Naphthalene-d8a	1.000	1.000	0.0	97	0.00	5.37
112		Caprolactam	0.168	0.169	-0.6	99	0.00	5.64

(#) = Out of Range SPCC's out = 0 CCC's out = 0
4p694134.d M4P3698.M Fri Dec 06 18:22:38 2024

8.7.7

Initial Calibration Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: ECS369-ICC369
Lab FileID: CS7079.D

Response Factor Report GCMS_CS

Method : D:\MassHunter\GC...methods\mcs369.m (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuWed Aug 10 17:05:37 2022
Last Update : Wed Dec 11 09:20:25 2024
Response via : Initial Calibration

Calibration Files
2 =cs7081.D 5 =cs7082.D 25 =cs7084.D 80 =cs7085.D
100 =cs7086.D 50 =cs7079.D 1 =cs7080.D 10 =cs7083.D

Compound	2	5	25	80	100	50	1	10	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	ISTD									
2) 1,4-Dioxane	0.651	0.627	0.612	0.621	0.696	0.625	0.672	0.595	0.637	5.22
3) Pyridine	1.328	1.333	1.457	1.680	1.842	1.656	1.326	1.613	1.529	12.83
4) N-Nitrosodim	0.758	0.721	0.776	0.807	0.900	0.849	0.694	0.831	0.792	8.63
5) 2-Fluorophen	1.217	1.313	1.340	1.371	1.495	1.444	1.170	1.342	1.337	8.02
6) Indene	2.572	2.479	2.204	1.695	1.766	2.015	2.564	2.472	2.221	16.11
7) Cumene	3.062	2.932	2.845	2.556	2.757	2.840	3.115	3.014	2.890	6.29
8) Phenol-d5	1.624	1.654	1.563	1.468	1.575	1.625	1.630	1.683	1.603	4.16
9) Phenol	1.825	1.832	1.809	1.623	1.745	1.838	1.965	1.934	1.821	5.84
10) Aniline	1.920	2.030	2.095	1.984	2.149	2.149	1.779	2.176	2.035	6.73
11) bis(2-Chloro	1.305	1.364	1.275	1.188	1.285	1.317	1.680	1.275	1.336	11.06
12) 2-Chlorophen	1.503	1.477	1.446	1.374	1.485	1.494	1.507	1.525	1.476	3.22
13) Decane	1.706	1.641	1.479	1.244	1.326	1.453	1.756	1.667	1.534	12.19
14) 1,3-Dichloro	1.747	1.644	1.589	1.423	1.534	1.559	1.753	1.666	1.614	6.91
15) 1,4-Dichloro	1.771	1.696	1.587	1.413	1.501	1.575	1.743	1.682	1.621	7.65
16) Benzyl alcoh	0.870	0.879	0.869	0.810	0.851	0.920	0.816	0.914	0.866	4.62
17) 1,2-Dichloro	1.634	1.622	1.480	1.285	1.326	1.448	1.622	1.597	1.502	9.29
18) Acetophenone	2.032	1.921	1.621	1.252	1.337	1.471	1.989	1.903	1.691	18.37
19) 2-Methylphen	1.339	1.347	1.162	0.920	0.960	1.093	1.362	1.360	1.193	15.56
20) 2,2'-oxybis(	0.496	0.449	0.434	0.390	0.411	0.432	0.468	0.467	0.443	7.63
21) 3&4-Methylph	1.378	1.392	1.148	0.833	0.875	1.005	1.509	1.364	1.188	21.82
---- Quadratic regression ---- Coefficient = 0.9951										
Response Ratio = 0.02263 + 1.21630 *A + -0.07906 *A^2										
22) n-Nitroso-di	0.831	0.827	0.711	0.642	0.731	0.679	0.859	0.821	0.763	10.72
23) Hexachloroet	0.515	0.508	0.493	0.461	0.493	0.503	0.546	0.518	0.505	4.85
24) I Naphthalene-d8	ISTD									
25) Nitrobenzene	0.381	0.368	0.370	0.345	0.376	0.379	0.363	0.380	0.370	3.20
26) Nitrobenzene	0.422	0.416	0.397	0.367	0.390	0.399	0.427	0.409	0.404	4.83
27) Quinoline	0.734	0.714	0.708	0.663	0.738	0.726	0.728	0.734	0.718	3.42
28) Isophorone	0.710	0.675	0.664	0.627	0.685	0.686	0.693	0.690	0.679	3.65
29) 2-Nitropheno	0.181	0.186	0.191	0.153	0.160	0.185	0.173	0.199	0.179	8.75
30) 2,4-Dimethyl	0.399	0.385	0.379	0.331	0.356	0.365	0.400	0.398	0.377	6.54
31) Benzoic acid			0.252	0.300	0.331	0.297		0.227	0.281	14.73
32) bis(2-Chloro	0.483	0.458	0.443	0.391	0.422	0.434	0.477	0.468	0.447	6.89
33) 2,4-Dichloro	0.311	0.310	0.313	0.279	0.298	0.312	0.314	0.329	0.308	4.70
34) 2,6-Dichloro	0.319	0.303	0.288	0.230	0.243	0.275	0.307	0.307	0.284	11.39
35) 1,3,5-Trichl	0.371	0.353	0.329	0.265	0.275	0.307	0.376	0.359	0.329	12.97
36) 1,2,4-Trichl	0.360	0.336	0.318	0.276	0.296	0.310	0.354	0.340	0.324	9.00
37) 1,2,3-Trichl	0.341	0.331	0.310	0.270	0.290	0.303	0.339	0.333	0.315	8.22
38) Naphthalene	1.200	1.138	1.064	0.893	0.934	1.024	1.227	1.144	1.078	11.26
39) 4-Chloroanil	0.492	0.478	0.435	0.341	0.349	0.407	0.475	0.478	0.432	13.92
40) 2,3-Dichloro	0.367	0.342	0.320	0.251	0.263	0.305	0.380	0.354	0.323	14.61
41) Hydroquinone	0.265	0.276	0.283	0.319	0.336	0.329	0.276	0.306	0.299	9.02
42) Hexachlorobu	0.177	0.173	0.161	0.142	0.150	0.157	0.183	0.174	0.164	8.82

8.7.8

8

Initial Calibration Summary

Job Number: JE1536 **Sample:** ECS369-ICC369
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** CS7079.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

```
43) 4-Chloro-3-m 0.329 0.323 0.305 0.282 0.299 0.317 0.316 0.333 0.313   5.39
44) 2-Methylnaph 0.682 0.643 0.597 0.493 0.526 0.576 0.677 0.646 0.605  11.46
45) 1-Methylnaph 0.695 0.609 0.581 0.483 0.501 0.561 0.694 0.622 0.593  13.25

46) I   Acenaphthene-d10      ----------------ISTD--------------------
47) Hexachlorocy       0.157 0.216 0.205 0.218 0.218       0.192 0.201  11.88
48) 1,2,4,5-tetr 0.616 0.587 0.542 0.447 0.463 0.501 0.648 0.586 0.549  13.29
49) 2,4,6-Trichl 0.374 0.367 0.346 0.282 0.289 0.328 0.342 0.364 0.336  10.35
50) 2,4,5-Trichl 0.423 0.447 0.422 0.370 0.404 0.399 0.421 0.442 0.416   5.93
51) 2-Fluorobiph 1.513 1.457 1.335 1.098 1.192 1.256 1.580 1.449 1.360  12.36
52) 2-Chloronaph 1.345 1.337 1.213 1.027 1.069 1.149 1.355 1.327 1.228  10.84
53) Biphenyl     1.788 1.706 1.583 1.275 1.337 1.449 1.806 1.684 1.578  12.90
54) 2-Nitroanili 0.333 0.373 0.387 0.364 0.401 0.389 0.315 0.389 0.369   8.21
55) Dimethylphth 1.439 1.400 1.338 1.195 1.302 1.322 1.470 1.423 1.361   6.59
56) Acenaphthyle 1.792 1.816 1.768 1.521 1.638 1.696 1.835 1.861 1.741   6.63
57) 2,6-Dinitrot 0.233 0.272 0.300 0.293 0.315 0.307 0.212 0.292 0.278  13.24
58) 3-Nitroanili 0.315 0.339 0.370 0.357 0.395 0.377 0.280 0.369 0.351  10.67
59) Acenaphthene 1.398 1.347 1.241 1.044 1.089 1.163 1.431 1.335 1.256  11.55
60) 2,4-Dinitrop 0.053 0.089 0.154 0.171 0.190 0.174       0.121 0.136  36.96
            ---- Quadratic regression ----  Coefficient =  0.9981
              Response Ratio = -0.01191 + 0.15122 *A + 0.00767 *A^2

61) 4-Nitropheno 0.124 0.139 0.172 0.165 0.187 0.169 0.126 0.159 0.155  14.84
62) Dibenzofuran 1.874 1.840 1.656 1.287 1.342 1.519 1.953 1.819 1.661  15.25
63) 2,4-Dinitrot 0.340 0.377 0.393 0.321 0.339 0.369 0.287 0.403 0.354  11.04
64) 2,3,4,6-Tetr 0.269 0.289 0.302 0.277 0.295 0.303 0.269 0.310 0.289   5.52
65) Diethylphtha 1.399 1.369 1.357 1.198 1.321 1.316 1.416 1.417 1.349   5.37
66) Fluorene     1.460 1.425 1.266 0.974 1.004 1.129 1.461 1.398 1.265  16.13
67) 4-Chlorophen 0.617 0.608 0.555 0.420 0.441 0.491 0.663 0.606 0.550  16.26
68) 4-Nitroanili 0.250 0.309 0.380 0.355 0.407 0.386 0.226 0.364 0.335  19.86

69) I   Phenanthrene-d10      ----------------ISTD--------------------
70) 4,6-Dinitro- 0.059 0.086 0.128 0.140 0.150 0.145 0.037 0.110 0.107  39.50
            ---- Quadratic regression ----  Coefficient =  0.9983
              Response Ratio = -0.00302 + 0.12749 *A + 0.00912 *A^2

71) n-Nitrosodip 0.751 0.720 0.704 0.604 0.642 0.680 0.750 0.756 0.701   7.90
72) 1,2-Diphenyl 0.844 0.857 0.846 0.749 0.806 0.837 0.830 0.872 0.830   4.57
73) pentachloron 0.031 0.033 0.037 0.034 0.036 0.039 0.024 0.038 0.034# 13.70
74) 2,4,6-Tribro 0.097 0.106 0.111 0.108 0.116 0.118 0.083 0.114 0.107  10.88
75) 4-Bromopheny 0.201 0.204 0.202 0.183 0.195 0.204 0.207 0.214 0.201   4.55
76) Hexachlorobe 0.241 0.227 0.225 0.204 0.215 0.227 0.250 0.239 0.228   6.48
77) Pentachlorop 0.110 0.126 0.137 0.122 0.127 0.138 0.098 0.139 0.125  11.59
78) Phenanthrene 1.291 1.260 1.168 0.996 1.057 1.124 1.337 1.232 1.183  10.03
79) Anthracene   1.259 1.221 1.197 1.024 1.094 1.160 1.221 1.263 1.180   7.10
80) Carbazole    1.170 1.154 1.152 1.019 1.071 1.145 1.176 1.216 1.138   5.54
81) Di-n-butylph 1.205 1.238 1.353 1.267 1.344 1.377 1.152 1.379 1.289   6.68
82) Fluoranthene 1.215 1.176 1.185 1.057 1.110 1.174 1.190 1.248 1.169   5.11
83) Octadecane   0.666 0.674 0.657 0.551 0.588 0.643 0.663 0.700 0.643   7.61

84) I   Chrysene-d12          ----------------ISTD--------------------
85) benzidine                0.606 1.044 1.322 1.604       0.660 1.047  40.78
86) Pyrene       1.556 1.564 1.645 1.616 1.782 1.688 1.649 1.602 1.638   4.46
87) Terphenyl-d1 1.045 1.024 1.086 1.077 1.186 1.132 1.087 1.072 1.089   4.62
88) Butylbenzylp 0.497 0.581 0.746 0.841       0.840       0.661 0.694  20.18
            ---- Quadratic regression ----  Coefficient =  0.9988
              Response Ratio = -0.01658 + 0.75182 *A + 0.05410 *A^2

89) Benzo[a]anth 1.268 1.205 1.266 1.235 1.354 1.297 1.307 1.267 1.275   3.56
90) 3,3'-Dichlor 0.393 0.411 0.466 0.466 0.508 0.497 0.381 0.449 0.446  10.55
```

Initial Calibration Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: ECS369-ICC369
Lab FileID: CS7079.D

```
 91) Chrysene     1.395 1.367 1.343 1.355 1.499 1.416 1.461 1.414 1.406   3.81
 92) bis(2-Ethylh 0.623 0.782 1.040 1.162 1.318 1.165       0.922 1.002  24.17
             ---- Quadratic regression ----  Coefficient =  0.9985
               Response Ratio = -0.02047 + 0.98278 *A + 0.12575 *A^2


 93) I   Perylene-d12          ----------------ISTD---------------------
 94) Di-n-octylph 0.842 1.075 1.477 1.499 1.626 1.620       1.355 1.357  21.71
             ---- Quadratic regression ----  Coefficient =  0.9982
               Response Ratio = -0.04127 + 1.53444 *A + 0.03106 *A^2

 95) Benzo[b]fluo 1.266 1.202 1.142 1.010 1.131 1.092 1.135 1.251 1.154   7.32
 96) Benzo[k]fluo 1.266 1.267 1.223 1.011 1.043 1.195 1.281 1.284 1.196   9.12
 97) Benzo[a]pyre 0.928 0.990 1.070 0.973 1.050 1.065 0.898 1.079 1.007   6.90
 98) Indeno[1,2,3 1.402 1.326 1.366 1.237 1.362 1.325 1.774 1.423 1.402  11.47
 99) Dibenz(a,h)a 0.816 0.818 0.915 0.861 0.959 0.925 0.856 0.922 0.884   6.05
100) Dibenz[a,h]a 1.116 1.060 1.105 0.981 1.069 1.067 1.315 1.159 1.109   8.82
101) 7,12-Dimethy 0.395 0.427 0.479 0.419 0.448 0.468 0.424 0.463 0.440   6.53
102) Benzo[g,h,i] 1.125 1.055 1.069 1.005 1.105 1.022 1.360 1.098 1.105  10.03

103)     1,4-Dichlorobenzene-d ----------------ISTD---------------------
104) Benzaldehyde 1.131 1.156 1.168 1.071 1.023 1.142 1.050 1.185 1.116   5.37

105)     Phenanthrene-d10a     ----------------ISTD---------------------
106) Atrazine     0.089 0.095 0.106 0.097 0.099 0.102 0.078 0.104 0.096   9.53

107) I   Naphthalene-d8a       ----------------ISTD---------------------
108) Caprolactam  0.137 0.153 0.179 0.182 0.178 0.185 0.171 0.170 0.169   9.66

109)     Phenanthrene-d10b     ----------------ISTD---------------------
110) 1-chloroocta 0.393 0.412 0.456 0.393 0.383 0.434 0.361 0.449 0.410   8.20
111) o-terphenyl  0.584 0.555 0.550 0.468 0.454 0.509 0.559 0.587 0.533   9.53

112) I   Chrysene-d12a         ----------------ISTD---------------------
113) 2,3,7,8-TCDD                                              0.000# -1.00
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           mcs369.m          Thu Dec 12 07:49:38 2024
```

8.7.8

8

Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: ECS369-ICV369
Lab FileID: CS7095.D

Evaluate Continuing Calibration Report

Data File : D:\MassHunter\GCMS\1\data\ECS369\cs7095.D Vial: 18
Acq On : 09 Dec 2024 07:52 pm Operator: rocquans
Sample : icv369-50 Inst : GCMS_CS
Misc : op59616,ecs369,30.0,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : D:\MassHunter\GC...methods\mcs369.m (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuWed Aug 10 17:05:37 2022
Last Update : Tue Dec 10 16:30:21 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	108	0.00	3.46
2	t	1,4-Dioxane	0.637	0.623	2.2	107	0.00	1.58
6	t	Indene	2.221	2.340	-5.4	125	0.00	3.60
7	t	Cumene	2.890	2.931	-1.4	111	0.00	3.00
11	t	bis(2-Chloroethyl)ether	1.336	1.382	-3.4	113	0.00	3.31
13	t	Decane	1.534	1.479	3.6	109	0.00	3.37
14	t	1,3-Dichlorobenzene	1.614	1.627	-0.8	112	0.00	3.43
15	t	1,4-Dichlorobenzene	1.621	1.615	0.4	110	0.00	3.47
16	t	Benzyl alcohol	0.866	0.945	-9.1	110	0.00	3.54
17	t	1,2-Dichlorobenzene	1.502	1.525	-1.5	113	0.00	3.55
18	t	Acetophenone	1.691	1.990	-17.7	146	0.00	3.69
20	t	2,2'-oxybis(1-Chloropropa	0.443	0.445	-0.5	111	0.00	3.61
23	t	Hexachloroethane	0.505	0.520	-3.0	111	0.00	3.74
24	I	Naphthalene-d8	1.000	1.000	0.0	110	0.00	4.17
26	t	Nitrobenzene	0.404	0.398	1.5	109	0.00	3.78
27	t	Quinoline	0.718	0.705	1.8	106	-0.01	4.37
28	t	Isophorone	0.679	0.686	-1.0	110	0.00	3.92
32	t	bis(2-Chloroethoxy)methan	0.447	0.455	-1.8	115	0.00	4.04
35		1,3,5-Trichlorobenzene	0.329	0.338	-2.7	121	0.00	3.97
36	t	1,2,4-Trichlorobenzene	0.324	0.317	2.2	112	0.00	4.14
37		1,2,3-Trichlorobenzene	0.315	0.309	1.9	112	0.00	4.26
38	t	Naphthalene	1.078	1.026	4.8	110	0.00	4.18
40	t	2,3-Dichloroaniline	0.323	0.342	-5.9	123	0.00	4.73
42	t	Hexachlorobutadiene	0.164	0.159	3.0	111	0.00	4.25
44	t	2-Methylnaphthalene	0.605	0.586	3.1	112	0.00	4.57
45	t	1-Methylnaphthalene	0.593	0.566	4.6	111	0.00	4.63
46	I	Acenaphthene-d10	1.000	1.000	0.0	109	0.00	5.22
47	t	Hexachlorocyclopentadiene	0.201	0.229	-13.9	114	0.00	4.66

Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: ECS369-ICV369
Lab FileID: CS7095.D

48		1,2,4,5-tetrachlorobenzen	0.549	0.505	8.0	110	0.00	4.67
52	t	2-Chloronaphthalene	1.228	1.173	4.5	111	0.00	4.86
53	t	Biphenyl	1.578	1.497	5.1	113	0.00	4.84
55	t	Dimethylphthalate	1.361	1.366	-0.4	113	0.00	5.04
56	t	Acenaphthylene	1.741	1.795	-3.1	115	0.00	5.12
57	t	2,6-Dinitrotoluene	0.278	0.306	-10.1	108	0.00	5.08
59	t	Acenaphthene	1.256	1.195	4.9	112	0.00	5.24
62	t	Dibenzofuran	1.661	1.548	6.8	111	0.00	5.36
63	t	2,4-Dinitrotoluene	0.354	0.358	-1.1	106	0.00	5.36
65	t	Diethylphthalate	1.349	1.342	0.5	111	0.00	5.53
66	t	Fluorene	1.265	1.154	8.8	111	0.00	5.62
67	t	4-Chlorophenyl-phenylethe	0.550	0.511	7.1	113	0.00	5.62
69	I	Phenanthrene-d10	1.000	1.000	0.0	116	0.00	6.42
72	t	1,2-Diphenylhydrazine	0.830	0.813	2.0	113	0.00	5.75
73		pentachloronitrobenzene	0.034	0.038#	-11.8	115	0.00	6.26
75	t	4-Bromophenyl-phenylether	0.201	0.202	-0.5	115	0.00	6.02
76	t	Hexachlorobenzene	0.228	0.222	2.6	114	0.00	6.07
78	t	Phenanthrene	1.183	1.117	5.6	115	0.00	6.44
79	t	Anthracene	1.180	1.138	3.6	114	0.00	6.50
80	t	Carbazole	1.138	1.118	1.8	113	0.00	6.66
81	t	Di-n-butylphthalate	1.289	1.354	-5.0	114	0.00	7.05
82	t	Fluoranthene	1.169	1.147	1.9	113	0.00	7.66
83	t	Octadecane	0.643	0.630	2.0	114	0.00	6.35
84	I	Chrysene-d12	1.000	1.000	0.0	115	0.00	9.31
		----------	AvgRF	CCRF	% Dev			
86	t	Pyrene	1.638	1.671	-2.0	114	0.00	7.90
		----------	True	Calc.	% Drift			
88	t	Butylbenzylphthalate	50.000	50.235	-0.5	111	0.00	8.73
		----------	AvgRF	CCRF	% Dev			
89	t	Benzo[a]anthracene	1.275	1.393	-9.3	124	0.00	9.29
91	t	Chrysene	1.406	1.436	-2.1	117	0.00	9.34
		----------	True	Calc.	% Drift			
92	t	bis(2-Ethylhexyl)phthalat	50.000	50.688	-1.4	113	0.00	9.44
		----------	AvgRF	CCRF	% Dev			
93	I	Perylene-d12	1.000	1.000	0.0	113	0.00	10.88
		----------	True	Calc.	% Drift			
94	t	Di-n-octylphthalate	50.000	53.864	-7.7	116	0.00	10.19

Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: ECS369-ICV369
Lab FileID: CS7095.D

			AvgRF	CCRF	% Dev			
95	t	Benzo[b]fluoranthene	1.154	1.164	-0.9	120	0.00	10.50
96	t	Benzo[k]fluoranthene	1.196	1.195	0.1	113	0.00	10.53
97	t	Benzo[a]pyrene	1.007	1.112	-10.4	118	0.00	10.83
98	t	Indeno[1,2,3-cd]pyrene	1.402	1.398	0.3	119	0.00	11.91
99	t	Dibenz(a,h)acridine	0.884	0.977	-10.5	119	0.00	11.70
100	t	Dibenz[a,h]anthracene	1.109	1.131	-2.0	119	0.00	11.94
101	t	7,12-Dimethylbenz(a)anthr	0.440	0.382	13.2	92	0.00	10.49
102	t	Benzo[g,h,i]perylene	1.105	1.127	-2.0	124	0.00	12.18

(#) = Out of Range SPCC's out = 0 CCC's out = 0
cs7092a.D mcs369.m Wed Dec 11 09:16:07 2024

8.7.9

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Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: ECS369-ICV369
Lab FileID: CS7096.D

Evaluate Continuing Calibration Report

Data File : D:\MassHunter\GCMS\1\data\ECS369\cs7096.D Vial: 19
Acq On : 09 Dec 2024 08:10 pm Operator: rocquans
Sample : icv369-50 Inst : GCMS_CS
Misc : op59616,ecs369,30.0,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : D:\MassHunter\GC...methods\mcs369.m (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuWed Aug 10 17:05:37 2022
Last Update : Tue Dec 10 16:30:21 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	116	0.00	3.46
9	t	Phenol	1.821	1.678	7.9	106	0.00	3.26
12	t	2-Chlorophenol	1.476	1.439	2.5	112	0.00	3.34
19	t	2-Methylphenol	1.193	1.216	-1.9	130	0.00	3.60
21	t	3&4-Methylphenol	100.000	114.829	-14.8	133	-0.01	3.69
24	I	Naphthalene-d8	1.000	1.000	0.0	116	0.00	4.17
29	t	2-Nitrophenol	0.179	0.198	-10.6	123	0.00	3.96
30	t	2,4-Dimethylphenol	0.377	0.357	5.3	113	0.00	3.98
31	t	Benzoic acid	0.281	0.282	-0.4	110	0.00	4.06
33	t	2,4-Dichlorophenol	0.308	0.297	3.6	110	0.00	4.09
34	t	2,6-Dichlorophenol	0.284	0.291	-2.5	122	0.00	4.22
41	t	Hydroquinone	0.299	0.377	-26.1	132	0.00	4.40
43	t	4-Chloro-3-methylphenol	0.313	0.304	2.9	111	0.00	4.48
46	I	Acenaphthene-d10	1.000	1.000	0.0	110	0.00	5.21
49	t	2,4,6-Trichlorophenol	0.336	0.392	-16.7	131	0.00	4.73
50	t	2,4,5-Trichlorophenol	0.416	0.393	5.5	108	0.00	4.75
		----------	True	Calc.	% Drift	----------		
60	t	2,4-Dinitrophenol	100.000	96.961	3.0	101	0.00	5.27
		----------	AvgRF	CCRF	% Dev	----------		
61	t	4-Nitrophenol	0.155	0.179	-15.5	116	0.00	5.31
64		2,3,4,6-Tetrachlorophenol	0.289	0.305	-5.5	111	0.00	5.45

8.7.10
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Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: ECS369-ICV369
Lab FileID: CS7096.D

				True	Calc.	% Drift			
69	I	Phenanthrene-d10		1.000	1.000	0.0	118	0.00	6.42
70	t	4,6-Dinitro-2-methylpheno		50.000	48.112	3.8	107	0.00	5.67
77	t	Pentachlorophenol		0.125	0.135	-8.0	116	0.00	6.25
84	I	Chrysene-d12		1.000	1.000	0.0	130	0.00	9.30

(#) = Out of Range SPCC's out = 0 CCC's out = 0
cs7092a.D mcs369.m Wed Dec 11 09:16:09 2024

8.7.10

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Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: ECS369-ICV369
Lab FileID: CS7097.D

Evaluate Continuing Calibration Report

Data File : D:\MassHunter\GCMS\1\data\ECS369\cs7097.D Vial: 20
Acq On : 09 Dec 2024 08:29 pm Operator: rocquans
Sample : icv369-50 Inst : GCMS_CS
Misc : op59616,ecs369,30.0,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : D:\MassHunter\GC...methods\mcs369.m (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuWed Aug 10 17:05:37 2022
Last Update : Wed Dec 11 09:20:25 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	107	0.00	3.46
3	t	Pyridine	1.529	1.519	0.7	98	0.00	1.84
4	t	N-Nitrosodimethylamine	0.792	0.869	-9.7	109	0.00	1.81
10		Aniline	2.035	1.980	2.7	99	0.00	3.28
		----------	AvgRF	CCRF	% Dev	----------		
22	t	n-Nitroso-di-n-propylamin	0.763	0.829	-8.7	131	-0.01	3.69
24	I	Naphthalene-d8	1.000	1.000	0.0	108	0.00	4.17
39	t	4-Chloroaniline	0.432	0.445	-3.0	118	0.00	4.22
46	I	Acenaphthene-d10	1.000	1.000	0.0	102	0.00	5.21
54	t	2-Nitroaniline	0.369	0.387	-4.9	102	0.00	4.92
58	t	3-Nitroaniline	0.351	0.379	-8.0	103	0.00	5.19
68	t	4-Nitroaniline	0.335	0.363	-8.4	96	0.00	5.64
69	I	Phenanthrene-d10	1.000	1.000	0.0	114	0.00	6.42
		----------	AvgRF	CCRF	% Dev	----------		
71	t	n-Nitrosodiphenylamine	0.701	0.627	10.6	105	0.00	5.71
84	I	Chrysene-d12	1.000	1.000	0.0	112	0.00	9.30
85		benzidine	1.047	0.990	5.4	69	0.00	7.84
90	t	3,3'-Dichlorobenzidine	0.446	0.484	-8.5	110	0.00	9.30

Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: ECS369-ICV369
Lab FileID: CS7097.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
cs7092a.D mcs369.m Fri Dec 13 08:54:18 2024

Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: ECS369-ICV369
Lab FileID: CS7098.D

Evaluate Continuing Calibration Report

Data File : D:\MassHunter\GCMS\1\data\ECS369\cs7098.D Vial: 21
Acq On : 09 Dec 2024 08:47 pm Operator: rocquans
Sample : icv369-50 Inst : GCMS_CS
Misc : op59616,ecs369,30.0,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : D:\MassHunter\GC...methods\mcs369.m (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuWed Aug 10 17:05:37 2022
Last Update : Tue Dec 10 16:30:21 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
103	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	101	0.00	3.46
104	Benzaldehyde	1.116	1.081	3.1	95	0.00	3.22
105	Phenanthrene-d10a	1.000	1.000	0.0	107	0.00	6.42
106	Atrazine	0.096	0.095	1.0	100	0.00	6.18
107 I	Naphthalene-d8a	1.000	1.000	0.0	99	0.00	4.17
108 T	Caprolactam	0.169	0.176	-4.1	94	0.00	4.41

(#) = Out of Range SPCC's out = 0 CCC's out = 0
cs7092a.D mcs369.m Wed Dec 11 09:16:13 2024

Continuing Calibration Summary

Job Number: JE1536 **Sample:** ECS377-CC369
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** CS7297.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : X:\Dayton SVOA GCMS\michaell\ecs377\cs7297.D Vial: 2
Acq On : 20 Dec 2024 10:46 am Operator: jackleey
Sample : cc369-50 Inst : GCMS_CS
Misc : op60296,ecs377,30.0,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : X:\Dayton SVOA G...\ecs377\mcs369.m (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuWed Aug 10 17:05:37 2022
Last Update : Fri Dec 20 17:58:06 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	89	0.00	3.36
2	t	1,4-Dioxane	0.637	0.588	7.7	84	0.00	1.43
3	t	Pyridine	1.529	1.698	-11.1	91	0.00	1.70
4	t	N-Nitrosodimethylamine	0.792	0.822	-3.8	86	0.00	1.67
5	S	2-Fluorophenol	1.337	1.394	-4.3	86	0.00	2.60
6	t	Indene	2.221	2.312	-4.1	102	0.00	3.51
7	t	Cumene	2.890	2.725	5.7	86	0.00	2.90
8	S	Phenol-d5	1.603	1.612	-0.6	88	0.00	3.16
9	t	Phenol	1.821	1.768	2.9	86	0.00	3.18
10		Aniline	2.035	2.057	-1.1	85	0.00	3.18
11	t	bis(2-Chloroethyl)ether	1.336	1.293	3.2	88	0.00	3.22
12	t	2-Chlorophenol	1.476	1.476	0.0	88	0.00	3.24
13	t	Decane	1.534	1.493	2.7	92	0.00	3.27
14	t	1,3-Dichlorobenzene	1.614	1.563	3.2	89	0.00	3.32
15	t	1,4-Dichlorobenzene	1.621	1.589	2.0	90	0.00	3.37
16	t	Benzyl alcohol	0.866	0.921	-6.4	89	0.00	3.45
17	t	1,2-Dichlorobenzene	1.502	1.439	4.2	89	0.00	3.45
18	t	Acetophenone	1.691	1.757	-3.9	106	0.00	3.60
19	t	2-Methylphenol	1.193	1.229	-3.0	100	0.00	3.51
20	t	2,2'-oxybis(1-Chloropropa	0.443	0.420	5.2	87	0.00	3.52
		---------- True Calc. % Drift ----------						
21	t	3&4-Methylphenol	100.000	118.135	-18.1	104	0.00	3.60
		---------- AvgRF CCRF % Dev ----------						
22	t	n-Nitroso-di-n-propylamin	0.763	0.800	-4.8	105	0.00	3.60
23	t	Hexachloroethane	0.505	0.504	0.2	89	0.00	3.64
24	I	Naphthalene-d8	1.000	1.000	0.0	94	0.00	4.07
25	S	Nitrobenzene-d5	0.370	0.364	1.6	90	0.00	3.68
26	t	Nitrobenzene	0.404	0.385	4.7	91	0.00	3.69
27	t	Quinoline	0.718	0.754	-5.0	98	0.00	4.28
28	t	Isophorone	0.679	0.690	-1.6	95	0.00	3.83
29	t	2-Nitrophenol	0.179	0.190	-6.1	96	0.00	3.87
30	t	2,4-Dimethylphenol	0.377	0.364	3.4	94	0.00	3.90
31	t	Benzoic acid	0.281	0.328	-16.7	104	0.00	3.98
32	t	bis(2-Chloroethoxy)methan	0.447	0.433	3.1	94	0.00	3.95
33	t	2,4-Dichlorophenol	0.308	0.312	-1.3	94	0.00	4.00
34	t	2,6-Dichlorophenol	0.284	0.278	2.1	95	0.00	4.13
35		1,3,5-Trichlorobenzene	0.329	0.306	7.0	94	0.00	3.87
36	t	1,2,4-Trichlorobenzene	0.324	0.310	4.3	94	0.00	4.05
37		1,2,3-Trichlorobenzene	0.315	0.306	2.9	95	0.00	4.17

Continuing Calibration Summary

Job Number: JE1536 **Sample:** ECS377-CC369
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** CS7297.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

38	t	Naphthalene	1.078	1.028	4.6	94	0.00	4.09
39	t	4-Chloroaniline	0.432	0.424	1.9	98	0.00	4.12
40	t	2,3-Dichloroaniline	0.323	0.316	2.2	98	0.00	4.64
41	t	Hydroquinone	0.299	0.371	-24.1#	106	0.00	4.31
42	t	Hexachlorobutadiene	0.164	0.157	4.3	94	0.00	4.15
43	t	4-Chloro-3-methylphenol	0.313	0.324	-3.5	96	0.00	4.39
44	t	2-Methylnaphthalene	0.605	0.607	-0.3	99	0.00	4.47
45	t	1-Methylnaphthalene	0.593	0.567	4.4	95	0.00	4.53
46	I	Acenaphthene-d10	1.000	1.000	0.0	96	0.00	5.10
47	t	Hexachlorocyclopentadiene	0.201	0.224	-11.4	99	0.00	4.56
48		1,2,4,5-tetrachlorobenzen	0.549	0.505	8.0	97	0.00	4.57
49	t	2,4,6-Trichlorophenol	0.336	0.342	-1.8	100	0.00	4.64
50	t	2,4,5-Trichlorophenol	0.416	0.426	-2.4	103	0.00	4.66
51	S	2-Fluorobiphenyl	1.360	1.293	4.9	99	0.00	4.68
52	t	2-Chloronaphthalene	1.228	1.161	5.5	97	0.00	4.75
53	t	Biphenyl	1.578	1.497	5.1	99	0.00	4.74
54	t	2-Nitroaniline	0.369	0.402	-8.9	99	0.00	4.82
55	t	Dimethylphthalate	1.361	1.376	-1.1	100	0.00	4.93
56	t	Acenaphthylene	1.741	1.748	-0.4	99	0.00	5.01
57	t	2,6-Dinitrotoluene	0.278	0.327	-17.6	102	0.00	4.97
58	t	3-Nitroaniline	0.351	0.396	-12.8	101	0.00	5.08
59	t	Acenaphthene	1.256	1.207	3.9	100	0.00	5.12

			True	Calc.	% Drift			
60	t	2,4-Dinitrophenol	100.000	120.348	-20.3#	113	0.00	5.16

			AvgRF	CCRF	% Dev			
61	t	4-Nitrophenol	0.155	0.189	-21.9#	107	0.00	5.21
62	t	Dibenzofuran	1.661	1.593	4.1	101	0.00	5.24
63	t	2,4-Dinitrotoluene	0.354	0.419	-18.4	109	0.00	5.25
64		2,3,4,6-Tetrachlorophenol	0.289	0.320	-10.7	101	0.00	5.33
65	t	Diethylphthalate	1.349	1.379	-2.2	100	0.00	5.42
66	t	Fluorene	1.265	1.204	4.8	102	0.00	5.49
67	t	4-Chlorophenyl-phenylethe	0.550	0.527	4.2	103	0.00	5.50
68	t	4-Nitroaniline	0.335	0.398	-18.8	99	0.00	5.52
69	I	Phenanthrene-d10	1.000	1.000	0.0	103	0.00	6.28

			True	Calc.	% Drift			
70	t	4,6-Dinitro-2-methylpheno	50.000	55.434	-10.9	109	0.00	5.55

			AvgRF	CCRF	% Dev			
71	t	n-Nitrosodiphenylamine	0.701	0.675	3.7	103	0.00	5.59
72	t	1,2-Diphenylhydrazine	0.830	0.801	3.5	99	0.00	5.62
73		pentachloronitrobenzene	0.034	0.038#	-11.8	103	0.00	6.13
74	S	2,4,6-Tribromophenol	0.107	0.117	-9.3	102	0.00	5.68
75	t	4-Bromophenyl-phenylether	0.201	0.201	0.0	102	0.00	5.89
76	t	Hexachlorobenzene	0.228	0.223	2.2	102	0.00	5.94
77	t	Pentachlorophenol	0.125	0.136	-8.8	102	0.00	6.12
78	t	Phenanthrene	1.183	1.135	4.1	104	0.00	6.30
79	t	Anthracene	1.180	1.170	0.8	104	0.00	6.35
80	t	Carbazole	1.138	1.139	-0.1	103	0.00	6.51
81	t	Di-n-butylphthalate	1.289	1.419	-10.1	107	0.00	6.90
82	t	Fluoranthene	1.169	1.185	-1.4	104	0.00	7.51
83	t	Octadecane	0.643	0.647	-0.6	104	0.00	6.22
84	I	Chrysene-d12	1.000	1.000	0.0	107	0.00	9.14
85		benzidine	1.047	1.223	-16.8	81	0.00	7.69
86	t	Pyrene	1.638	1.679	-2.5	106	0.00	7.75

Continuing Calibration Summary

Job Number: JE1536 **Sample:** ECS377-CC369
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** CS7297.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

87	S	Terphenyl-d14	1.089	1.125	-3.3	106	0.00	7.96
		----------	True	Calc.	% Drift	----------		
88	t	Butylbenzylphthalate	50.000	53.367	-6.7	110	0.00	8.57
		----------	AvgRF	CCRF	% Dev	----------		
89	t	Benzo[a]anthracene	1.275	1.356	-6.4	112	0.00	9.13
90	t	3,3'-Dichlorobenzidine	0.446	0.525	-17.7	113	0.00	9.14
91	t	Chrysene	1.406	1.428	-1.6	108	0.00	9.17
		----------	True	Calc.	% Drift	----------		
92	t	bis(2-Ethylhexyl)phthalat	50.000	54.387	-8.8	114	0.00	9.29
		----------	AvgRF	CCRF	% Dev	----------		
93	I	Perylene-d12	1.000	1.000	0.0	111	0.00	10.72
		----------	True	Calc.	% Drift	----------		
94	t	Di-n-octylphthalate	50.000	55.506	-11.0	117	0.00	10.03
		----------	AvgRF	CCRF	% Dev	----------		
95	t	Benzo[b]fluoranthene	1.154	1.164	-0.9	118	0.00	10.34
96	t	Benzo[k]fluoranthene	1.196	1.136	5.0	105	0.00	10.36
97	t	Benzo[a]pyrene	1.007	1.085	-7.7	113	0.00	10.66
98	t	Indeno[1,2,3-cd]pyrene	1.402	1.373	2.1	115	0.00	11.73
99	t	Dibenz(a,h)acridine	0.884	0.980	-10.9	117	0.00	11.53
100	t	Dibenz[a,h]anthracene	1.109	1.102	0.6	114	0.00	11.75
101	t	7,12-Dimethylbenz(a)anthr	0.440	0.489	-11.1	116	0.00	10.33
102	t	Benzo[g,h,i]perylene	1.105	1.088	1.5	118	0.00	11.98

(#) = Out of Range SPCC's out = 0 CCC's out = 0
cs7297.D mcs369.m Fri Dec 20 19:32:29 2024

8.7.13

8

Continuing Calibration Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: ECS377-CC369
Lab FileID: CS7298.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton SVOA GCMS\michaell\ecs377\cs7298.D Vial: 3
Acq On : 20 Dec 2024 11:05 am Operator: jackleey
Sample : cc369-50 Inst : GCMS_CS
Misc : op60296,ecs377,30.0,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : X:\Dayton SVOA G...\ecs377\mcs369.m (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuWed Aug 10 17:05:37 2022
Last Update : Fri Dec 20 17:58:06 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
103	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	93	0.00	3.36
104	Benzaldehyde	1.116	1.163	-4.2	94	0.00	3.12
105	Phenanthrene-d10a	1.000	1.000	0.0	111	0.00	6.28
106	Atrazine	0.096	0.110	-14.6	120	0.00	6.05
107 I	Naphthalene-d8a	1.000	1.000	0.0	97	0.00	4.07
108 T	Caprolactam	0.169	0.208	-23.1#	109	0.00	4.32
109	Phenanthrene-d10b	1.000	1.000	0.0	111	0.00	6.28
110 s	1-chlorooctadecane	0.410	0.458	-11.7	117	0.00	7.46
111 s	o-terphenyl	0.533	0.523	1.9	114	0.00	6.66

(#) = Out of Range SPCC's out = 0 CCC's out = 0
cs7297.D mcs369.m Fri Dec 20 19:32:35 2024

8.7.14

8

Run Sequence Report

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: E4P3698	**Method:** SW846 8270E	**Instrument ID:** GCMS4P

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
E4P3698-DFTPP	4P693994.D	11/27/24 13:51	n/a	DFTPP Tune
E4P3698-ICC3698	4P693995.D	11/27/24 14:14	n/a	Initial cal 50
E4P3698-IC3698	4P693996.D	11/27/24 14:37	n/a	Initial cal 1
E4P3698-IC3698	4P693997.D	11/27/24 15:00	n/a	Initial cal 2
E4P3698-IC3698	4P693998.D	11/27/24 15:22	n/a	Initial cal 5
E4P3698-IC3698	4P693999.D	11/27/24 15:46	n/a	Initial cal 10
E4P3698-IC3698	4P694000.D	11/27/24 16:08	n/a	Initial cal 25
E4P3698-IC3698	4P694001.D	11/27/24 16:31	n/a	Initial cal 80
E4P3698-IC3698	4P694002.D	11/27/24 16:54	n/a	Initial cal 100
E4P3698-IC3698	4P694003.D	11/27/24 17:17	n/a	Initial cal 1
E4P3698-IC3698	4P694004.D	11/27/24 17:39	n/a	Initial cal 2
E4P3698-IC3698	4P694005.D	11/27/24 18:02	n/a	Initial cal 5
E4P3698-IC3698	4P694006.D	11/27/24 18:25	n/a	Initial cal 10
E4P3698-IC3698	4P694007.D	11/27/24 18:48	n/a	Initial cal 25
E4P3698-IC3698	4P694008.D	11/27/24 19:11	n/a	Initial cal 50
E4P3698-IC3698	4P694009.D	11/27/24 19:34	n/a	Initial cal 80
E4P3698-IC3698	4P694010.D	11/27/24 19:56	n/a	Initial cal 100
E4P3698-ICV3698	4P694011.D	11/27/24 20:19	n/a	Initial cal verification 50
E4P3698-ICV3698	4P694012.D	11/27/24 20:42	n/a	Initial cal verification 50
E4P3698-ICV3698	4P694013.D	11/27/24 21:05	n/a	Initial cal verification 50
E4P3698-ICV3698	4P694014.D	11/27/24 21:28	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: E4P3703	**Method:** SW846 8270E	**Instrument ID:** GCMS4P

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
E4P3703-CC3698	4P694134.D	12/06/24 09:12	n/a	Continuing cal 50
E4P3703-CC3698	4P694135.D	12/06/24 09:36	n/a	Continuing cal 50
OP59876-MB1	4P694137.D	12/06/24 10:23	OP59876	Method Blank
OP59876-BS1	4P694138.D	12/06/24 10:47	OP59876	Blank Spike
JE1536-1	4P694139.D	12/06/24 11:09	OP59876	GRID-29
JE1536-2	4P694140.D	12/06/24 11:33	OP59876	GRID-30
JE1536-3	4P694141.D	12/06/24 11:56	OP59876	GRID-31
JE1536-4	4P694142.D	12/06/24 12:19	OP59876	GRID-32
JE1536-5	4P694143.D	12/06/24 12:42	OP59876	GRID-33
JE1536-6	4P694144.D	12/06/24 13:06	OP59876	GRID-34
JE1536-7	4P694145.D	12/06/24 13:30	OP59876	GRID-35
JE1536-8	4P694146.D	12/06/24 13:54	OP59876	GRID-36
ZZZZZZ	4P694147.D	12/06/24 14:18	OP59837	(unrelated sample)
JE1455-1	4P694148.D	12/06/24 14:41	OP59839	(used for QC only; not part of job JE1536)
ZZZZZZ	4P694149.D	12/06/24 15:05	OP59839	(unrelated sample)
ZZZZZZ	4P694150.D	12/06/24 15:29	OP59839	(unrelated sample)
ZZZZZZ	4P694151.D	12/06/24 15:52	OP59839	(unrelated sample)
ZZZZZZ	4P694152.D	12/06/24 16:16	OP59839	(unrelated sample)
ZZZZZZ	4P694154.D	12/06/24 17:04	OP59839	(unrelated sample)
ZZZZZZ	4P694155.D	12/06/24 17:28	OP59839	(unrelated sample)
ZZZZZZ	4P694156.D	12/06/24 17:52	OP59839	(unrelated sample)
ZZZZZZ	4P694157.D	12/06/24 18:16	OP59879	(unrelated sample)
ZZZZZZ	4P694158.D	12/06/24 18:40	OP59879	(unrelated sample)
ZZZZZZ	4P694159.D	12/06/24 19:04	OP59876	(unrelated sample)
ZZZZZZ	4P694160.D	12/06/24 19:27	OP59876	(unrelated sample)
ZZZZZZ	4P694161.D	12/06/24 19:51	OP59876	(unrelated sample)
ZZZZZZ	4P694162.D	12/06/24 20:14	OP59876	(unrelated sample)
ZZZZZZ	4P694163.D	12/06/24 20:38	OP59876	(unrelated sample)
ZZZZZZ	4P694164.D	12/06/24 21:02	OP59876	(unrelated sample)

Run Sequence Report

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: ECS369	**Method:** SW846 8270E	**Instrument ID:** GCMSCS

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
ECS369-DFTPP	CS7078.D	12/09/24 14:45	n/a	DFTPP Tune
ECS369-ICC369	CS7079.D	12/09/24 14:56	n/a	Initial cal 50
ECS369-IC369	CS7080.D	12/09/24 15:15	n/a	Initial cal 1
ECS369-IC369	CS7081.D	12/09/24 15:33	n/a	Initial cal 2
ECS369-IC369	CS7082.D	12/09/24 15:52	n/a	Initial cal 5
ECS369-IC369	CS7083.D	12/09/24 16:10	n/a	Initial cal 10
ECS369-IC369	CS7084.D	12/09/24 16:28	n/a	Initial cal 25
ECS369-IC369	CS7085.D	12/09/24 16:47	n/a	Initial cal 80
ECS369-IC369	CS7086.D	12/09/24 17:05	n/a	Initial cal 100
ECS369-IC369	CS7087.D	12/09/24 17:24	n/a	Initial cal 1
ECS369-IC369	CS7088.D	12/09/24 17:42	n/a	Initial cal 2
ECS369-IC369	CS7089.D	12/09/24 18:01	n/a	Initial cal 5
ECS369-IC369	CS7090.D	12/09/24 18:19	n/a	Initial cal 10
ECS369-IC369	CS7091.D	12/09/24 18:38	n/a	Initial cal 25
ECS369-IC369	CS7092.D	12/09/24 18:56	n/a	Initial cal 50
ECS369-IC369	CS7093.D	12/09/24 19:15	n/a	Initial cal 80
ECS369-IC369	CS7094.D	12/09/24 19:33	n/a	Initial cal 100
ECS369-ICV369	CS7095.D	12/09/24 19:52	n/a	Initial cal verification 50
ECS369-ICV369	CS7096.D	12/09/24 20:10	n/a	Initial cal verification 50
ECS369-ICV369	CS7097.D	12/09/24 20:29	n/a	Initial cal verification 50
ECS369-ICV369	CS7098.D	12/09/24 20:47	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: ECS377	**Method:** SW846 8270E	**Instrument ID:** GCMSCS

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
ECS377-CC369	CS7297.D	12/20/24 10:46	n/a	Continuing cal 50
ECS377-CC369	CS7298.D	12/20/24 11:05	n/a	Continuing cal 50
ZZZZZZ	CS7299.D	12/20/24 11:42	OP60296	(unrelated sample)
ZZZZZZ	CS7300.D	12/20/24 12:00	OP60296	(unrelated sample)
ZZZZZZ	CS7301.D	12/20/24 12:19	OP60296	(unrelated sample)
ZZZZZZ	CS7302.D	12/20/24 12:37	OP60296	(unrelated sample)
ZZZZZZ	CS7304.D	12/20/24 13:14	OP60296	(unrelated sample)
ZZZZZZ	CS7305.D	12/20/24 13:33	OP60296	(unrelated sample)
ZZZZZZ	CS7306.D	12/20/24 13:51	OP60296	(unrelated sample)
ZZZZZZ	CS7307.D	12/20/24 14:10	OP60296	(unrelated sample)
ZZZZZZ	CS7308.D	12/20/24 14:29	OP60296	(unrelated sample)
ZZZZZZ	CS7309.D	12/20/24 14:47	OP60296	(unrelated sample)
OP59876-MS	CS7310.D	12/20/24 15:06	OP59876	Matrix Spike
OP59876-MSD	CS7311.D	12/20/24 15:24	OP59876	Matrix Spike Duplicate

MS Semi-volatiles

Raw Data

Manual Integrations APPROVED (compounds with "m" flag)
Jacky Takeuchi 12/06/24 23:13

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694139.d
Acq On : 6 Dec 2024 11:09 am
Operator : kaleigh
Sample : je1536-1 Inst : GCMS4P
Misc : op59876,e4p3703,30.01,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 06 18:40:59 2024
Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Fri Dec 06 18:18:31 2024
Response via : Initial Calibration

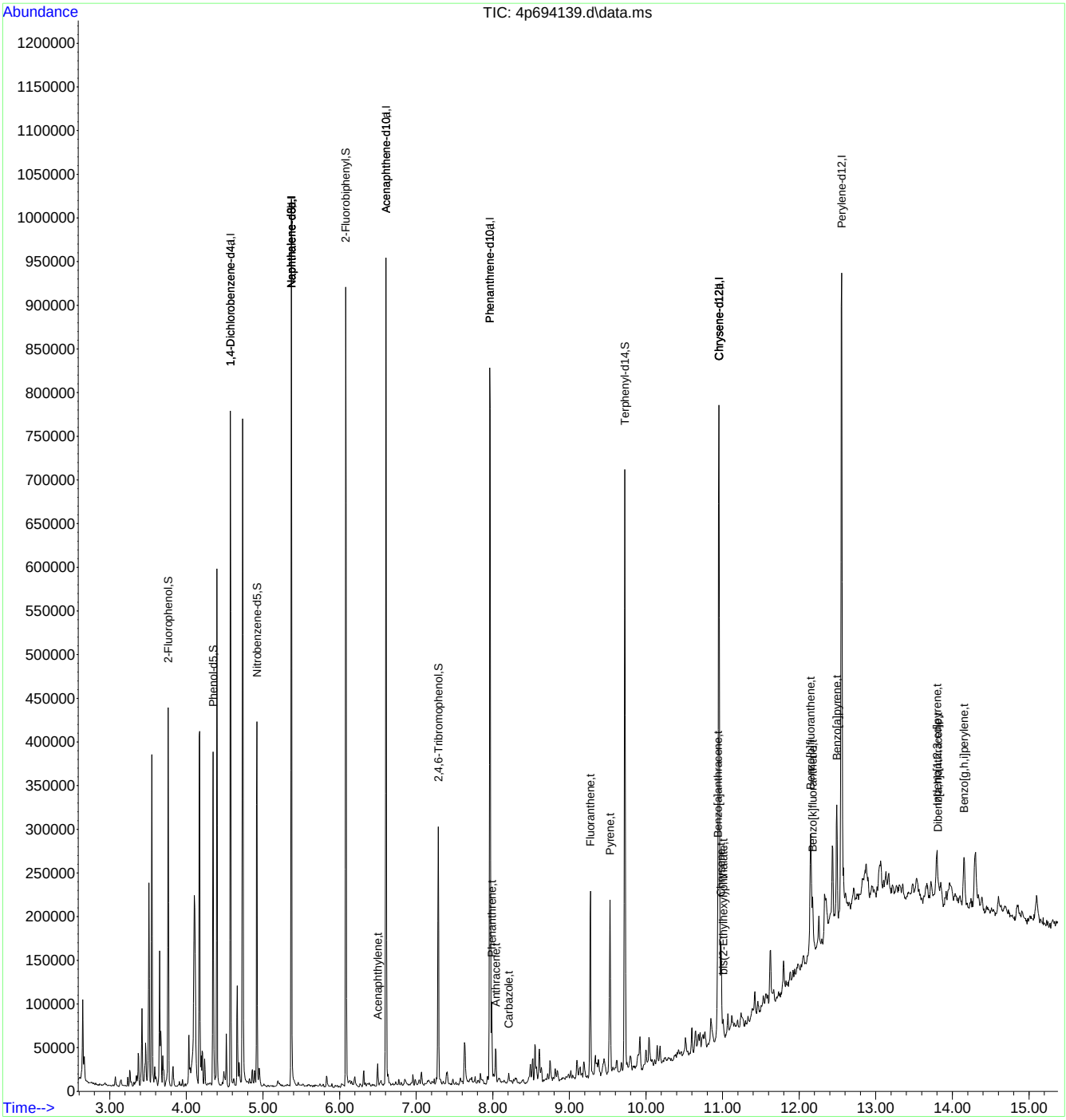
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.574	152	84817	40.00	ppm	0.00
24) Naphthalene-d8	5.370	136	311291	40.00	ppm	0.00
46) Acenaphthene-d10	6.604	164	175793	40.00	ppm	0.00
69) Phenanthrene-d10	7.961	188	299560	40.00	ppm	-0.01
84) Chrysene-d12	10.953	240	261203	40.00	ppm	-0.01
93) Perylene-d12	12.556	264	294448	40.00	ppm	0.00
103) 1,4-Dichlorobenzene-d4a	4.574	152	84817	40.00	ppm	0.00
105) Acenaphthene-d10a	6.604	164	175793	40.00	ppm	0.00
107) Chrysene-d12a	10.953	240	261203	40.00	ppm	-0.01
109) Phenanthrene-d10a	7.961	188	299560	40.00	ppm	-0.01
111) Naphthalene-d8a	5.370	136	311291	40.00	ppm	0.00
113) Chrysene-d12b	10.953	240	261203	40.00	ppm	-0.01
115) Naphthalene-d8b	5.370	136	311291	40.00	ppm	0.00
118) Naphthalene-d8c	5.370	136	311291	40.00	ppm	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.762	112	78846	33.82	ppm	0.00
Spiked Amount 50.000			Recovery =	67.64%		
8) Phenol-d5	4.350	99	102450	33.40	ppm	0.00
Spiked Amount 50.000			Recovery =	66.80%		
25) Nitrobenzene-d5	4.922	82	96142	34.87	ppm	0.00
Spiked Amount 50.000			Recovery =	69.74%		
51) 2-Fluorobiphenyl	6.081	172	221250	36.96	ppm	0.00
Spiked Amount 50.000			Recovery =	73.92%		
74) 2,4,6-Tribromophenol	7.288	330	26628	35.28	ppm	-0.01
Spiked Amount 50.000			Recovery =	70.56%		
87) Terphenyl-d14	9.724	244	226127	34.80	ppm	0.00
Spiked Amount 50.000			Recovery =	69.60%		
108) 1-chlorooctadecane	0.000	57	0d	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
110) o-terphenyl	0.000	230	0	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
56) Acenaphthylene	6.498	152	9205	1.2845	ppm	99
78) Phenanthrene	7.988	178	31033	3.7012	ppm	99
79) Anthracene	8.042	178	12886	1.5634	ppm	98
80) Carbazole	8.207	167	2023	0.2672	ppm	98
82) Fluoranthene	9.276	202	84873	9.3341	ppm	94
86) Pyrene	9.532	202	80331	8.7407	ppm	100
89) Benzo[a]anthracene	10.937	228	50280	5.9204	ppm	93
91) Chrysene	10.980	228	46481	5.6768	ppm	98
92) bis(2-Ethylhexyl)phtha...	11.007	149	1569	0.2901	ppm	95
95) Benzo[b]fluoranthene	12.150	252	75638m	8.2988	ppm	
96) Benzo[k]fluoranthene	12.176	252	19134m	2.2140	ppm	
97) Benzo[a]pyrene	12.492	252	52668	6.8351	ppm	97
98) Indeno[1,2,3-cd]pyrene	13.800	276	33983	3.3121	ppm	92
100) Dibenz[a,h]anthracene	13.811	278	8894	1.0689	ppm	94
102) Benzo[g,h,i]perylene	14.153	276	33118	4.2632	ppm	98

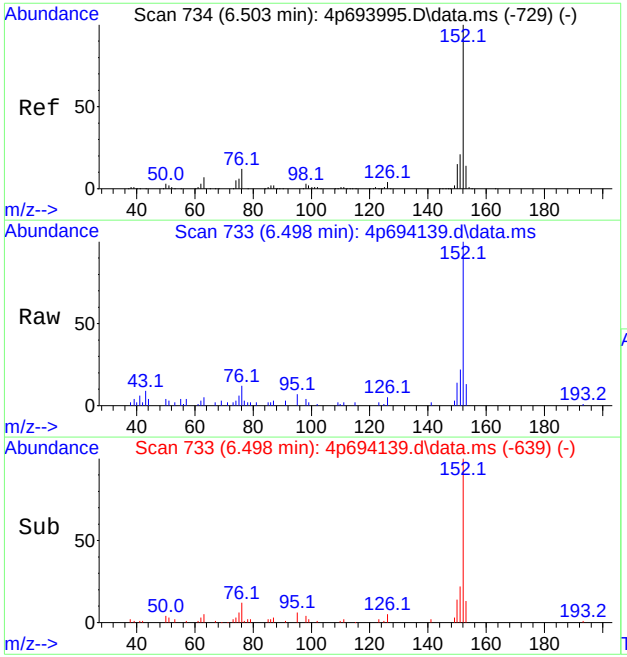
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694139.d
Acq On : 6 Dec 2024 11:09 am
Operator : kaleigh
Sample : je1536-1 Inst : GCMS4P
Misc : op59876,e4p3703,30.01,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 06 18:40:59 2024
Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Fri Dec 06 18:18:31 2024
Response via : Initial Calibration

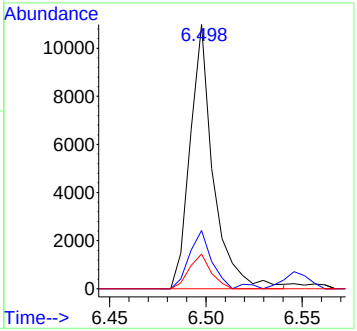


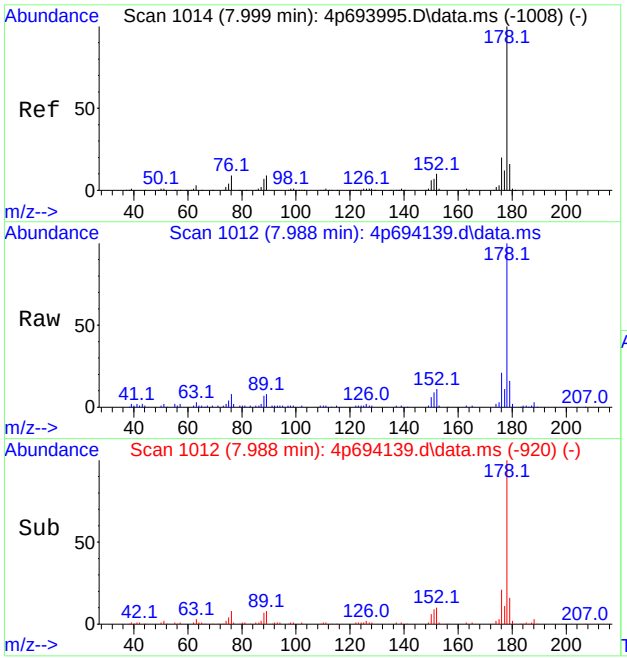


#56
Acenaphthylene
Concen: 1.2845 ppm
RT: 6.498 min Scan# 733
Delta R.T. -0.000 min
Lab File: 4p694139.d
Acq: 6 Dec 2024 11:09 am

Tgt Ion:152 Resp: 9205

Ion	Ratio	Lower	Upper
152	100		
151	20.6	0.0	51.0
153	13.3	0.0	44.1

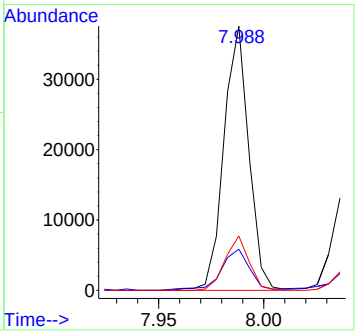


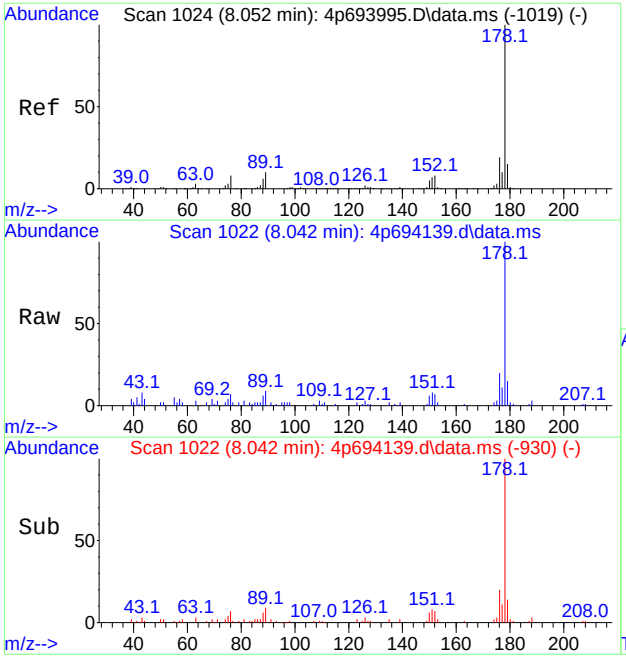


#78
Phenanthrene
Concen: 3.7012 ppm
RT: 7.988 min Scan# 1012
Delta R.T. -0.011 min
Lab File: 4p694139.d
Acq: 6 Dec 2024 11:09 am

Tgt Ion:178 Resp: 31033

Ion	Ratio	Lower	Upper
178	100		
179	15.3	0.0	45.1
176	20.6	0.0	49.7

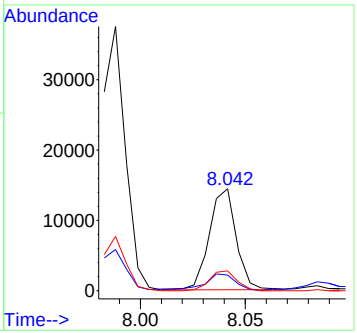


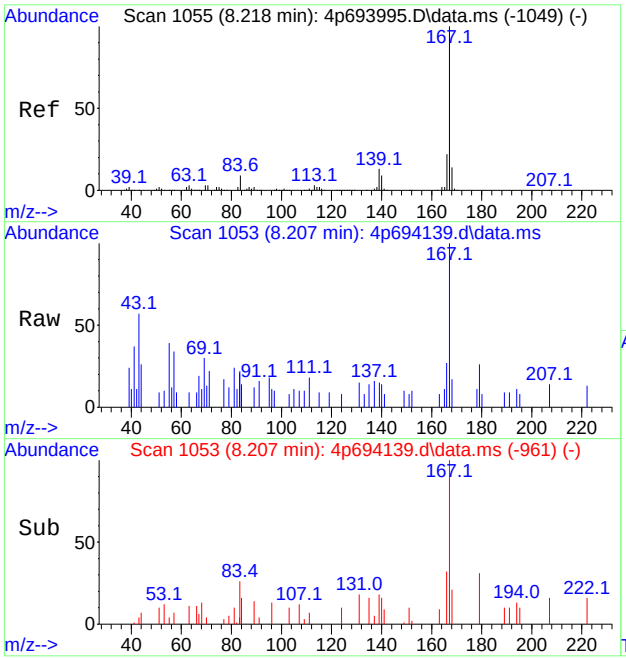


#79
Anthracene
Concen: 1.5634 ppm
RT: 8.042 min Scan# 1022
Delta R.T. -0.011 min
Lab File: 4p694139.d
Acq: 6 Dec 2024 11:09 am

Tgt Ion:178 Resp: 12886

Ion	Ratio	Lower	Upper
178	100		
179	14.0	0.0	45.3
176	19.8	0.0	49.3

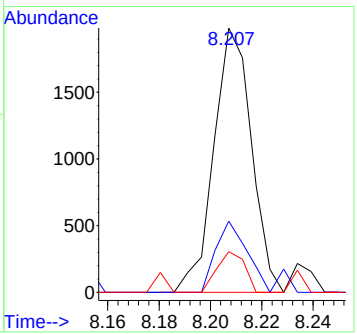


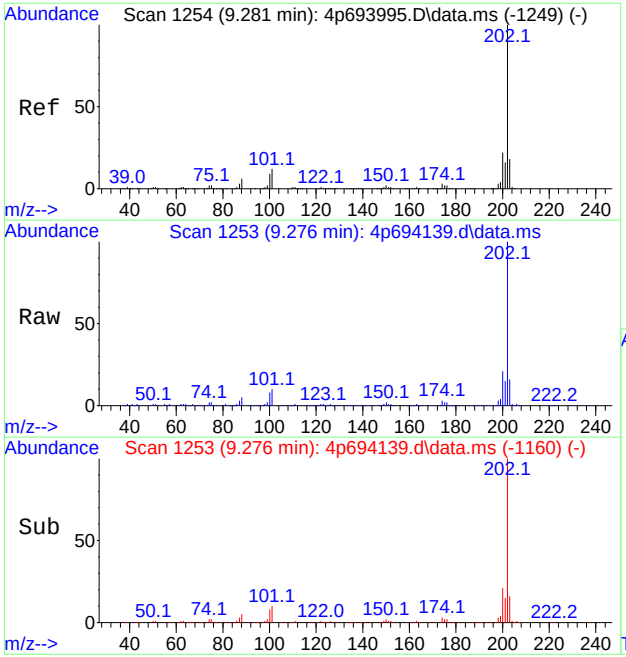


#80
Carbazole
Concen: 0.2672 ppm
RT: 8.207 min Scan# 1053
Delta R.T. -0.011 min
Lab File: 4p694139.d
Acq: 6 Dec 2024 11:09 am

Tgt Ion:167 Resp: 2023

Ion	Ratio	Lower	Upper
167	100		
166	22.6	0.0	51.7
139	11.6	0.0	42.5

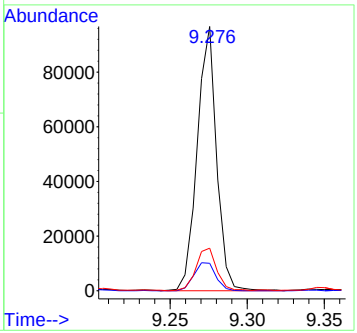


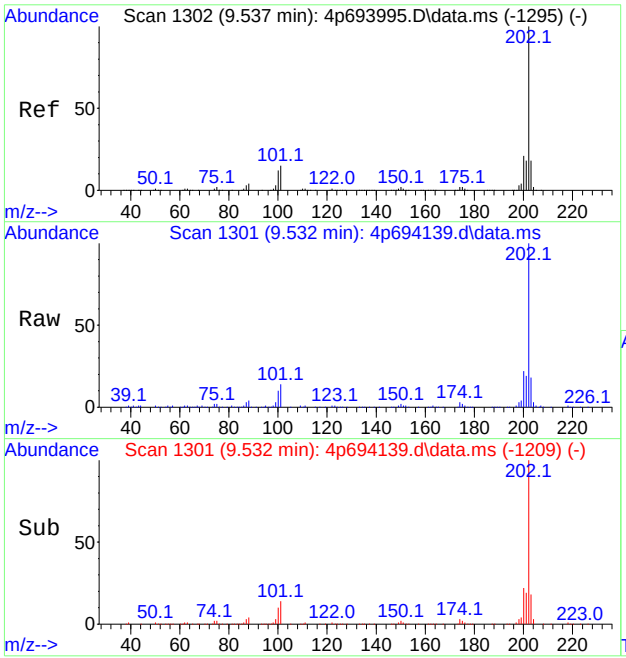


#82
Fluoranthene
Concen: 9.3341 ppm
RT: 9.276 min Scan# 1253
Delta R.T. -0.005 min
Lab File: 4p694139.d
Acq: 6 Dec 2024 11:09 am

Tgt Ion:202 Resp: 84873

Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	43.3
203	15.9	0.0	48.2

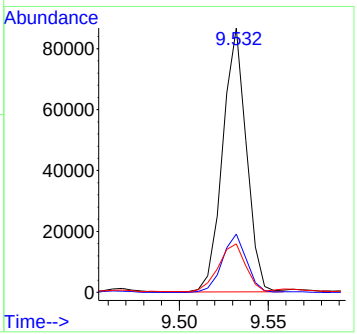


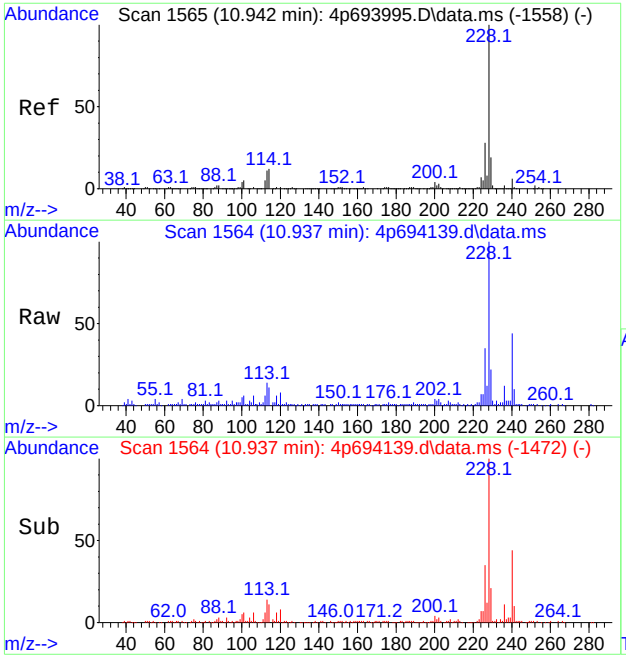


#86
Pyrene
Concen: 8.7407 ppm
RT: 9.532 min Scan# 1301
Delta R.T. -0.011 min
Lab File: 4p694139.d
Acq: 6 Dec 2024 11:09 am

Tgt Ion:202 Resp: 80331

Ion	Ratio	Lower	Upper
202	100		
200	22.1	0.0	52.1
203	17.7	0.0	47.5

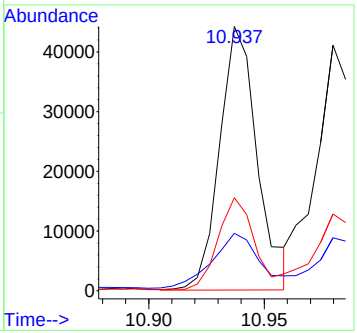


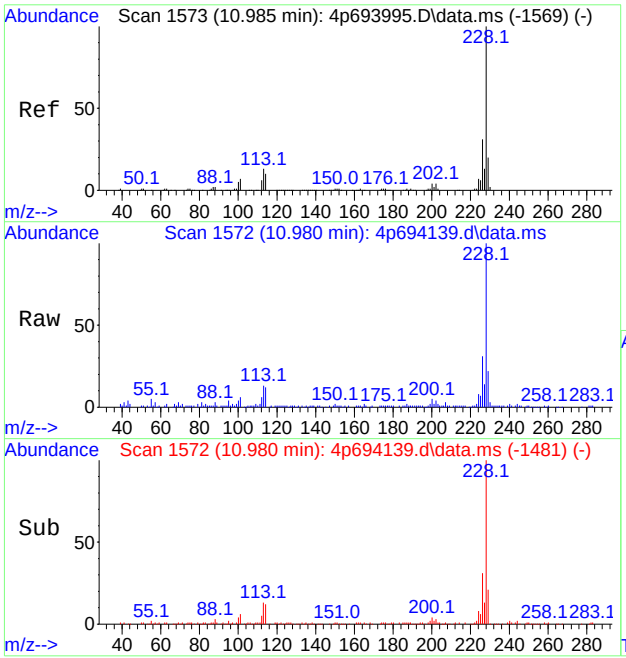


#89
Benzo[a]anthracene
Concen: 5.9204 ppm
RT: 10.937 min Scan# 1564
Delta R.T. -0.011 min
Lab File: 4p694139.d
Acq: 6 Dec 2024 11:09 am

Tgt Ion:228 Resp: 50280

Ion	Ratio	Lower	Upper
228	100		
229	20.0	0.0	49.7
226	34.8	0.0	58.6

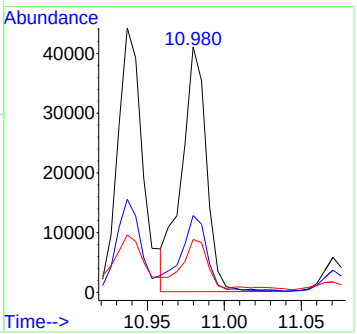


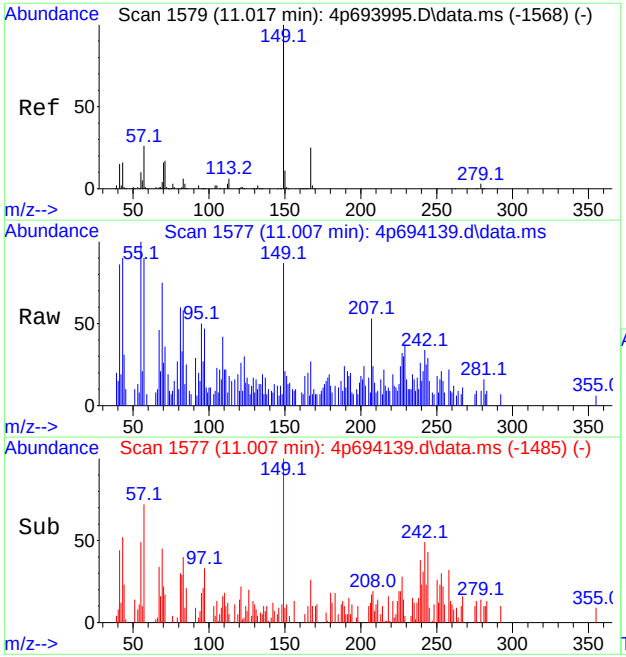


#91
Chrysene
Concen: 5.6768 ppm
RT: 10.980 min Scan# 1572
Delta R.T. -0.016 min
Lab File: 4p694139.d
Acq: 6 Dec 2024 11:09 am

Tgt Ion:228 Resp: 46481

Ion	Ratio	Lower	Upper
228	100		
226	30.4	1.6	61.6
229	19.6	0.0	50.0

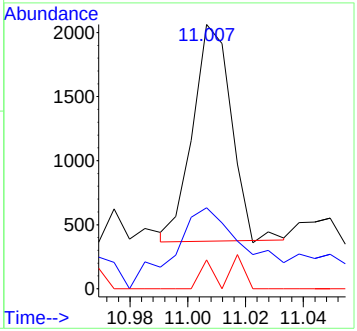


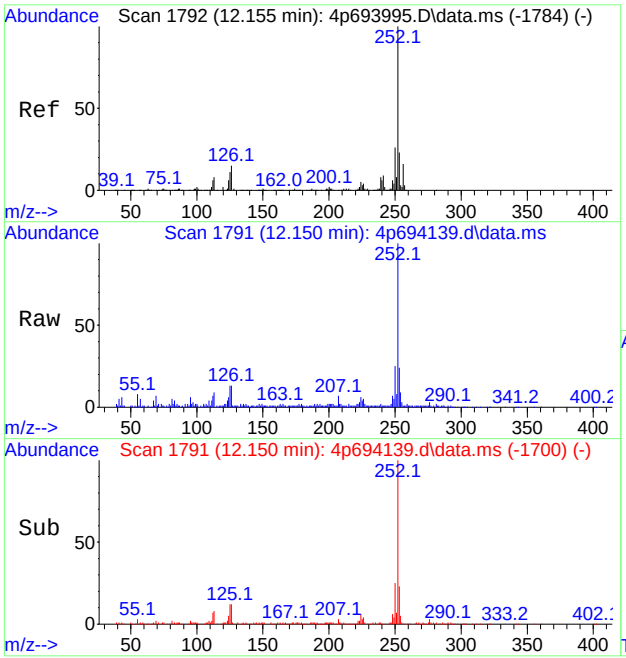


#92
bis(2-Ethylhexyl)phthalate
Concen: 0.2901 ppm
RT: 11.007 min Scan# 1577
Delta R.T. -0.011 min
Lab File: 4p694139.d
Acq: 6 Dec 2024 11:09 am

Tgt Ion:149 Resp: 1569

Ion	Ratio	Lower	Upper
149	100		
167	27.1	0.0	56.0
279	13.7	0.0	33.1

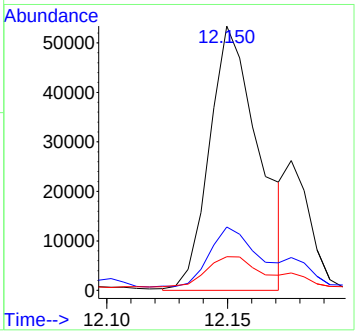


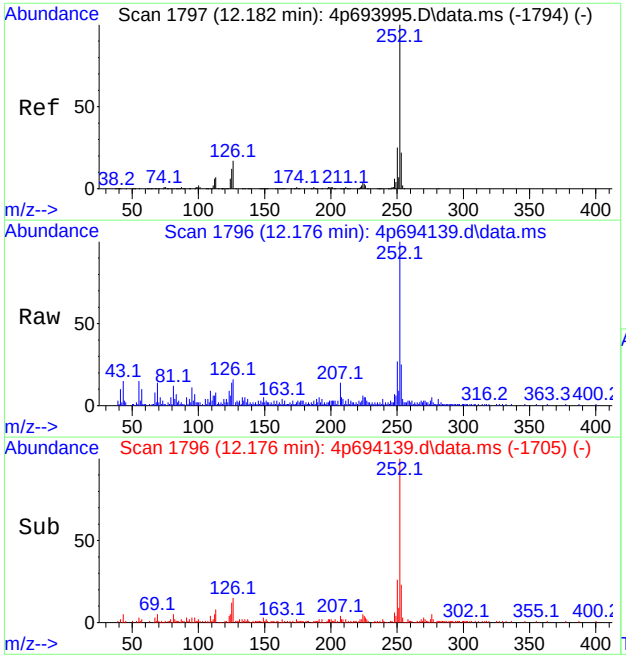


#95
Benzo[b]fluoranthene
Concen: 8.2988 ppm m
RT: 12.150 min Scan# 1791
Delta R.T. -0.016 min
Lab File: 4p694139.d
Acq: 6 Dec 2024 11:09 am

Tgt Ion:252 Resp: 75638

Ion	Ratio	Lower	Upper
252	100		
253	24.0	0.0	52.2
125	12.8	0.0	41.9

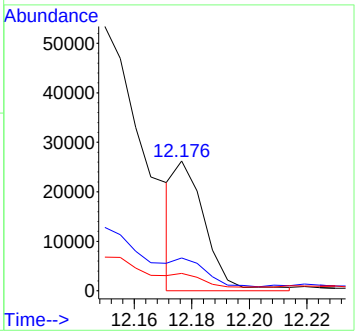


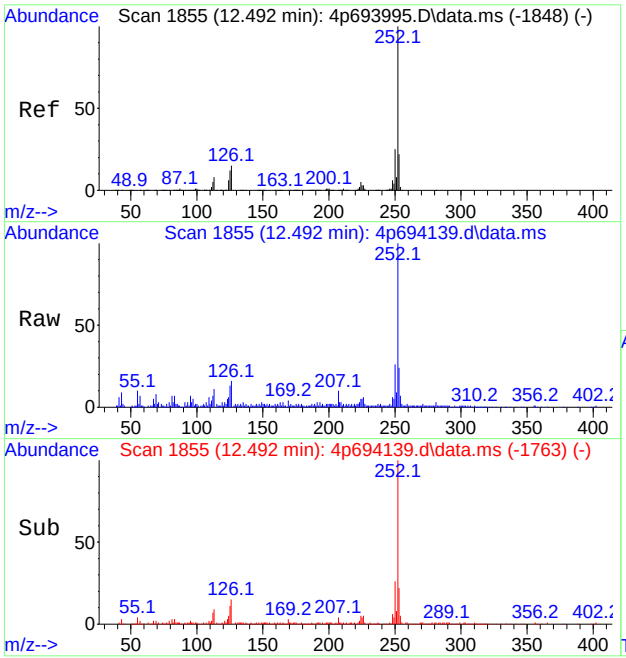


#96
Benzo[k]fluoranthene
Concen: 2.2140 ppm m
RT: 12.176 min Scan# 1796
Delta R.T. -0.016 min
Lab File: 4p694139.d
Acq: 6 Dec 2024 11:09 am

Tgt Ion:252 Resp: 19134

Ion	Ratio	Lower	Upper
252	100		
253	25.4	0.0	51.9
125	13.5	0.0	41.8

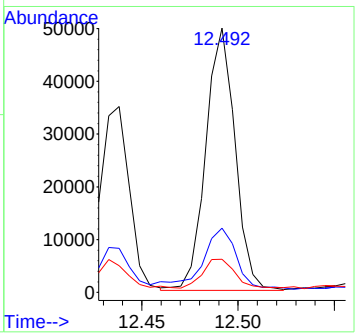


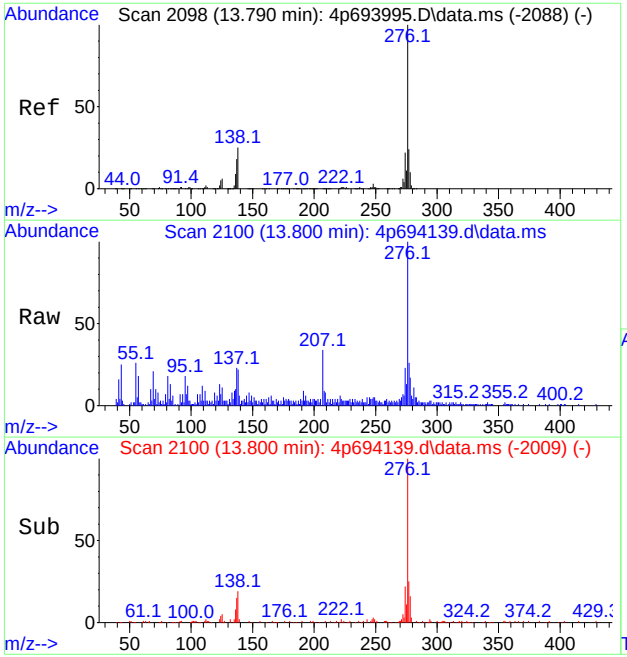


#97
Benzo[a]pyrene
Concen: 6.8351 ppm
RT: 12.492 min Scan# 1855
Delta R.T. -0.011 min
Lab File: 4p694139.d
Acq: 6 Dec 2024 11:09 am

Tgt Ion:252 Resp: 52668

Ion	Ratio	Lower	Upper
252	100		
253	21.8	0.0	52.0
125	10.6	0.0	43.3

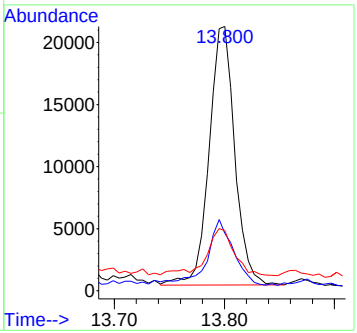


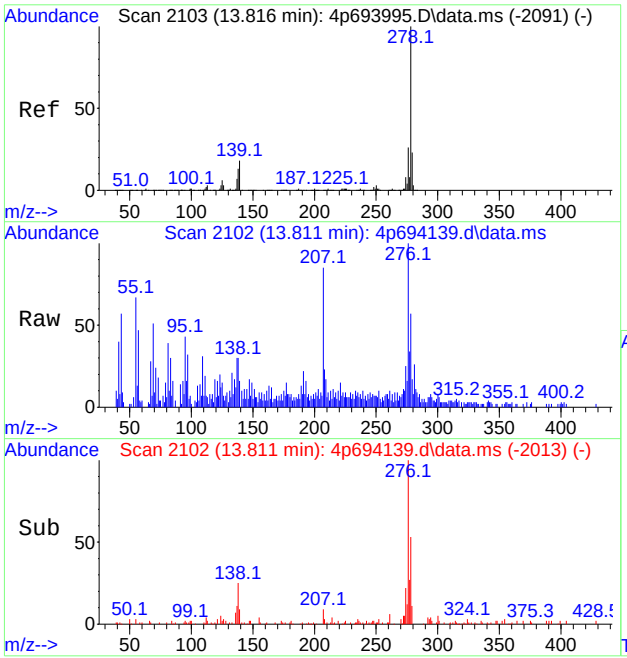


#98
Indeno[1,2,3-cd]pyrene
Concen: 3.3121 ppm
RT: 13.800 min Scan# 2100
Delta R.T. -0.016 min
Lab File: 4p694139.d
Acq: 6 Dec 2024 11:09 am

Tgt Ion:276 Resp: 33983

Ion	Ratio	Lower	Upper
276	100		
138	19.1	0.0	55.0
137	16.8	0.0	47.6

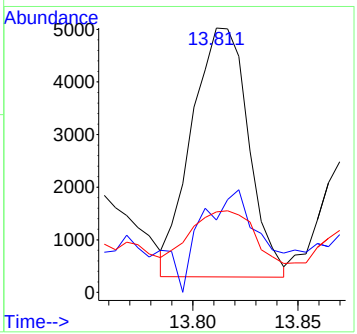


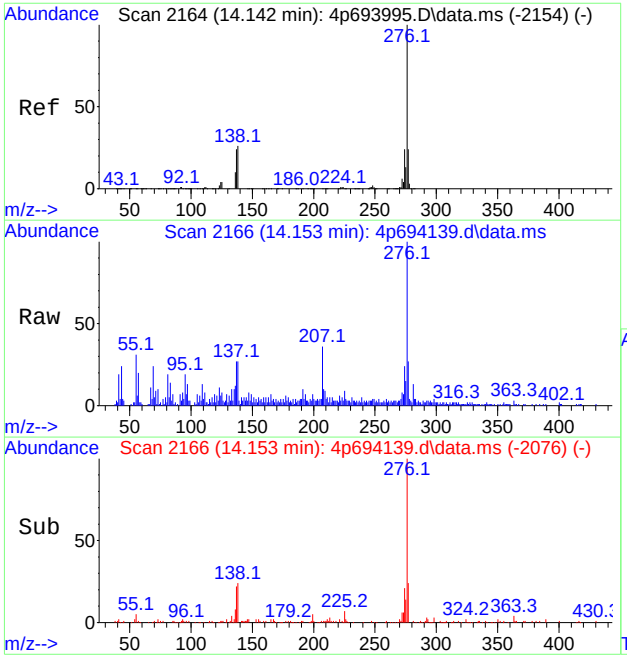


#100
Dibenz[a,h]anthracene
Concen: 1.0689 ppm
RT: 13.811 min Scan# 2102
Delta R.T. -0.027 min
Lab File: 4p694139.d
Acq: 6 Dec 2024 11:09 am

Tgt Ion:278 Resp: 8894

Ion	Ratio	Lower	Upper
278	100		
139	13.7	0.0	48.0
279	21.0	0.0	52.2

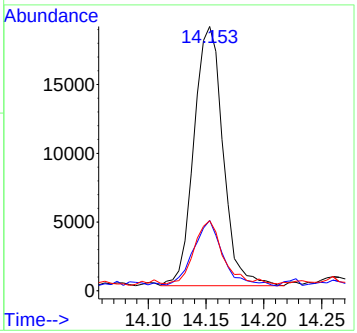




#102
Benzo[g,h,i]perylene
Concen: 4.2632 ppm
RT: 14.153 min Scan# 2166
Delta R.T. -0.021 min
Lab File: 4p694139.d
Acq: 6 Dec 2024 11:09 am

Tgt Ion:276 Resp: 33118

Ion	Ratio	Lower	Upper
276	100		
138	24.2	0.0	55.7
277	23.9	0.0	53.4



LSC Area Percent Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694139.d
Acq On : 6 Dec 2024 11:09 am
Operator : kaleigh
Sample : je1536-1
Misc : op59876,e4p3703,30.01,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.02 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 7

Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

Signal : TIC: 4p694139.d\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.370	516	522	534	rBV	1015402	640614	65.53%	5.390%
2	6.081	650	655	661	rBV	913956	630878	64.54%	5.308%
3	6.198	673	677	686	rVB5	11659	17141	1.75%	0.144%
4	6.316	695	699	705	rBV2	18650	19576	2.00%	0.165%
5	6.498	728	733	736	rBV	25508	20595	2.11%	0.173%
6	6.604	745	753	765	rVB	947670	743058	76.01%	6.252%
7	7.069	837	840	846	rVB2	15825	16643	1.70%	0.140%
8	7.288	873	881	890	rBV	294984	255637	26.15%	2.151%
9	7.406	897	903	907	rVB4	14144	19867	2.03%	0.167%
10	7.577	931	935	942	rBV7	8289	14885	1.52%	0.125%
11	7.630	942	945	953	rBV2	47650	64807	6.63%	0.545%
12	7.839	982	984	993	rVB5	12171	18449	1.89%	0.155%
13	7.961	1003	1007	1015	rBV	815169	810899	82.95%	6.822%
14	8.036	1018	1021	1025	rVB	38080	35508	3.63%	0.299%
15	8.207	1048	1053	1058	rBV4	11636	14411	1.47%	0.121%
16	8.490	1093	1106	1108	rBV	22476	32596	3.33%	0.274%
17	8.522	1108	1112	1114	rVB	24816	24681	2.52%	0.208%
18	8.549	1114	1117	1124	rBV3	40991	51544	5.27%	0.434%
19	8.608	1124	1128	1131	rBV	34176	36691	3.75%	0.309%
20	8.747	1151	1154	1160	rVB5	23183	28772	2.94%	0.242%
21	9.099	1215	1220	1223	rBV	21779	26673	2.73%	0.224%
22	9.190	1234	1237	1244	rVB3	18477	24477	2.50%	0.206%
23	9.276	1248	1253	1260	rBV	214321	206630	21.14%	1.738%
24	9.340	1260	1265	1270	rBV5	22192	35917	3.67%	0.302%
25	9.377	1270	1272	1278	rVB2	18937	24211	2.48%	0.204%
26	9.452	1278	1286	1293	rBV7	19912	46343	4.74%	0.390%
27	9.532	1293	1301	1305	rBV	200198	213808	21.87%	1.799%
28	9.618	1311	1317	1322	rVB6	13778	21567	2.21%	0.181%
29	9.724	1331	1337	1345	rBV	688178	647122	66.20%	5.444%
30	9.794	1345	1350	1355	rVB4	16461	26636	2.72%	0.224%
31	9.922	1362	1374	1380	rVB2	38118	69807	7.14%	0.587%
32	9.997	1380	1388	1392	rBV	23111	39606	4.05%	0.333%
33	10.040	1392	1396	1402	rBV3	28699	32738	3.35%	0.275%
34	10.146	1412	1416	1420	rBV	21641	23123	2.37%	0.195%
35	10.184	1420	1423	1427	rVB	20040	20912	2.14%	0.176%
36	10.253	1427	1436	1439	rBV	7056	15363	1.57%	0.129%
37	10.515	1478	1485	1493	rBV2	20660	31638	3.24%	0.266%
38	10.600	1493	1501	1505	rBV10	31510	37604	3.85%	0.316%
39	10.649	1505	1510	1513	rBV2	25186	35002	3.58%	0.294%
40	10.745	1523	1528	1529	rBV2	14341	18991	1.94%	0.160%

LSC Area Percent Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694139.d
Acq On : 6 Dec 2024 11:09 am
Operator : kaleigh
Sample : je1536-1
Misc : op59876,e4p3703,30.01,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.02 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 7

Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

41	10.771	1530	1533	1537	rVB	17686	21555	2.21%	0.181%
42	10.846	1537	1547	1556	rBV9	32981	73915	7.56%	0.622%
43	10.953	1556	1567	1571	rBV	729387	920241	94.14%	7.742%
44	10.980	1571	1572	1582	rVB	110001	103556	10.59%	0.871%
45	11.071	1582	1589	1592	rBV3	27490	37705	3.86%	0.317%
46	11.119	1592	1598	1603	rBV5	16721	26743	2.74%	0.225%
47	11.242	1616	1621	1630	rBV7	16518	33261	3.40%	0.280%
48	11.391	1642	1649	1650	rBV6	15622	25169	2.57%	0.212%
49	11.423	1650	1655	1659	rVB	25489	28264	2.89%	0.238%
50	11.461	1659	1662	1666	rBV	14542	16431	1.68%	0.138%
51	11.530	1666	1675	1679	rBV10	19185	37730	3.86%	0.317%
52	11.562	1679	1681	1685	rBV5	11291	16380	1.68%	0.138%
53	11.626	1688	1693	1699	rBV3	61129	89420	9.15%	0.752%
54	11.733	1705	1713	1717	rBV3	11357	24618	2.52%	0.207%
55	11.797	1717	1725	1729	rBV4	41613	67262	6.88%	0.566%
56	11.883	1737	1741	1744	rBV6	17031	25034	2.56%	0.211%
57	11.984	1754	1760	1766	rBV9	12145	27413	2.80%	0.231%
58	12.059	1766	1774	1780	rBV9	16897	43616	4.46%	0.367%
59	12.150	1780	1791	1803	rBV	148630	343793	35.17%	2.892%
60	12.257	1803	1811	1816	rBV2	38481	54937	5.62%	0.462%
61	12.331	1821	1825	1835	rBV3	57424	165972	16.98%	1.396%
62	12.433	1835	1844	1848	rVV	104217	182236	18.64%	1.533%
63	12.492	1850	1855	1859	rVV	149422	194694	19.92%	1.638%
64	12.556	1859	1867	1874	rVV	756786	977535	100.00%	8.224%
65	12.604	1875	1876	1883	rVV7	45663	95222	9.74%	0.801%
66	12.652	1883	1885	1889	rVV5	34287	58502	5.98%	0.492%
67	12.711	1889	1896	1900	rVV10	49478	140977	14.42%	1.186%
68	12.769	1903	1907	1908	rVV4	41390	63172	6.46%	0.531%
69	12.785	1908	1910	1913	rVV4	40817	63975	6.54%	0.538%
70	12.823	1913	1917	1919	rVV4	57834	98388	10.06%	0.828%
71	12.876	1921	1927	1935	rVV4	72601	256922	26.28%	2.162%
72	12.946	1935	1940	1945	rVV9	46492	134073	13.72%	1.128%
73	13.063	1951	1962	1967	rVV8	72175	276595	28.30%	2.327%
74	13.106	1967	1970	1971	rVV3	49252	59640	6.10%	0.502%
75	13.133	1971	1975	1978	rVV6	58455	111410	11.40%	0.937%
76	13.170	1978	1982	1987	rVV8	55304	127706	13.06%	1.074%
77	13.218	1987	1991	1995	rVV7	41156	94525	9.67%	0.795%
78	13.272	1997	2001	2004	rVV6	39332	81302	8.32%	0.684%
79	13.309	2004	2008	2013	rVV7	38839	101749	10.41%	0.856%
80	13.352	2013	2016	2024	rVV10	38669	101032	10.34%	0.850%
81	13.427	2024	2030	2035	rVV10	27912	90963	9.31%	0.765%
82	13.480	2035	2040	2044	rVV6	35980	88065	9.01%	0.741%
83	13.533	2044	2050	2061	rVV6	40297	157240	16.09%	1.323%
84	13.667	2065	2075	2080	rVV8	32449	110006	11.25%	0.926%
85	13.720	2080	2085	2090	rVV7	33160	74202	7.59%	0.624%

LSC Area Percent Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694139.d
Acq On : 6 Dec 2024 11:09 am
Operator : kaleigh
Sample : je1536-1
Misc : op59876,e4p3703,30.01,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.02 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 7

Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

86	13.800	2092	2100	2106	rVV2	66741	161175	16.49%	1.356%
87	13.849	2106	2109	2115	rVV8	28919	49474	5.06%	0.416%
88	13.918	2116	2122	2124	rVV6	17665	23763	2.43%	0.200%
89	13.966	2124	2131	2140	rVV6	25314	91195	9.33%	0.767%
90	14.036	2140	2144	2149	rVV8	11858	24320	2.49%	0.205%
91	14.100	2153	2156	2161	rVB7	11082	14652	1.50%	0.123%
92	14.153	2161	2166	2178	rVB	58649	106504	10.90%	0.896%
93	14.303	2187	2194	2199	rBV5	62671	124761	12.76%	1.050%
94	14.388	2206	2210	2218	rVB10	17454	28687	2.93%	0.241%
95	14.602	2245	2250	2255	rBV9	20200	33268	3.40%	0.280%
96	14.687	2262	2266	2273	rVV10	9957	22206	2.27%	0.187%
97	14.848	2291	2296	2305	rBV10	17630	47248	4.83%	0.398%
98	14.906	2305	2307	2320	rVB10	15275	38685	3.96%	0.325%
99	15.099	2335	2343	2351	rVV10	32274	76795	7.86%	0.646%
100	15.312	2378	2383	2389	rBV10	10266	24597	2.52%	0.207%

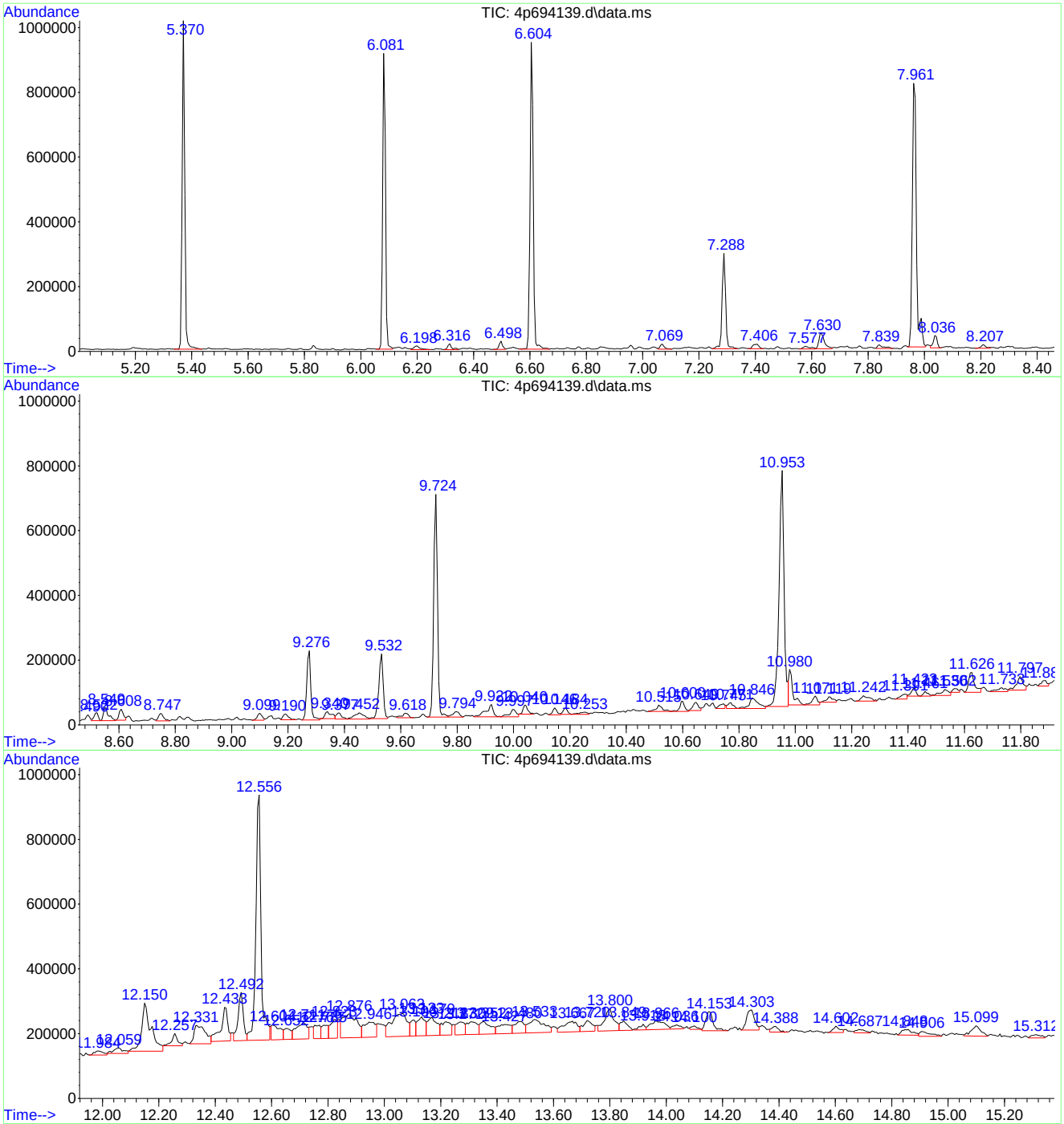
Sum of corrected areas: 11885896

LSC Report - Integrated Chromatogram

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694139.d
Acq On : 6 Dec 2024 11:09 am
Operator : kaleigh
Sample : je1536-1
Misc : op59876,e4p3703,30.01,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P



Library Search Compound Report

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Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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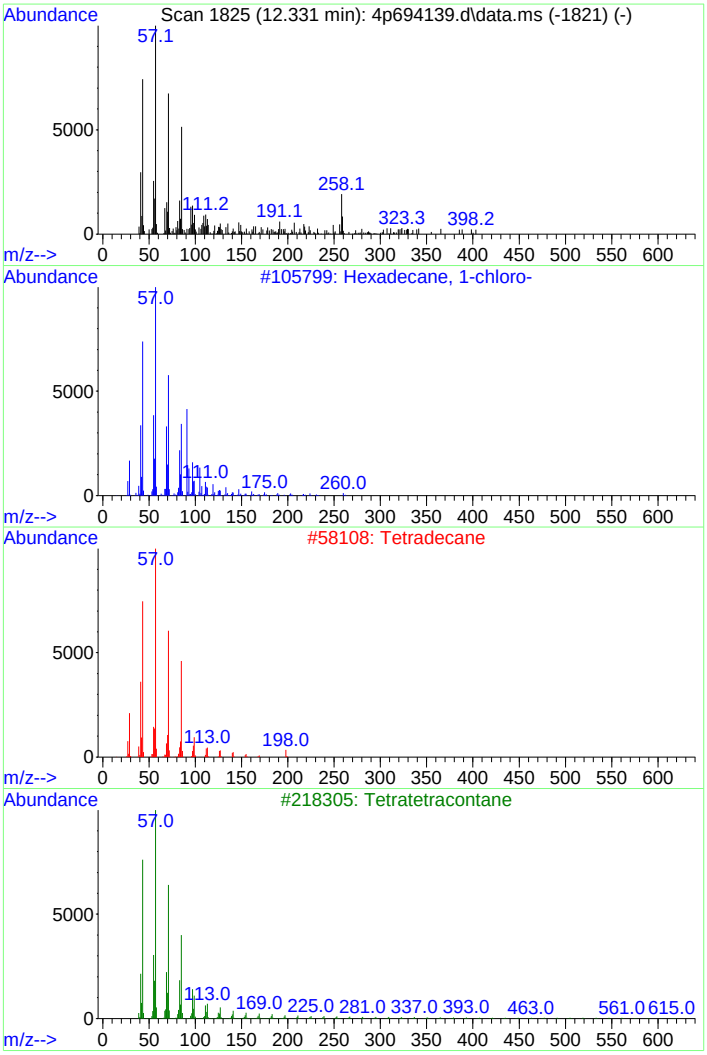
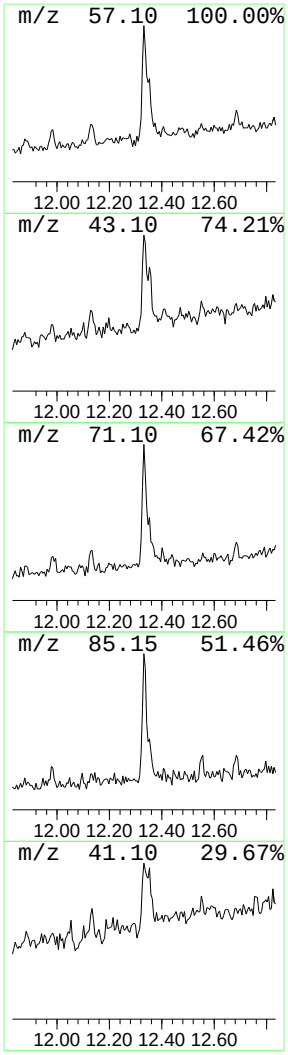
Peak Number 1 Alkane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.331	6.79 ppm	165972	Perylene-d12	12.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 1-chloro-	260	C16H33Cl	004860-03-1	60
2	Tetradecane	198	C14H30	000629-59-4	53
3	Tetratetracontane	619	C44H90	007098-22-8	53
4	1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	53
5	Nonadecane	268	C19H40	000629-92-5	53





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ALS Vial : 6 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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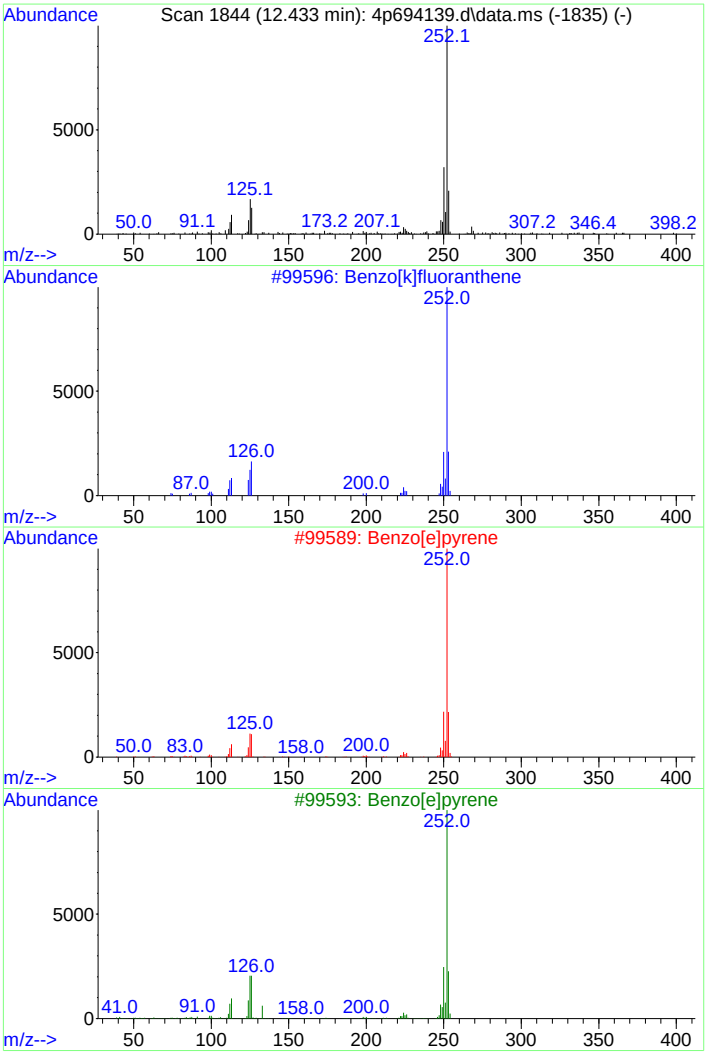
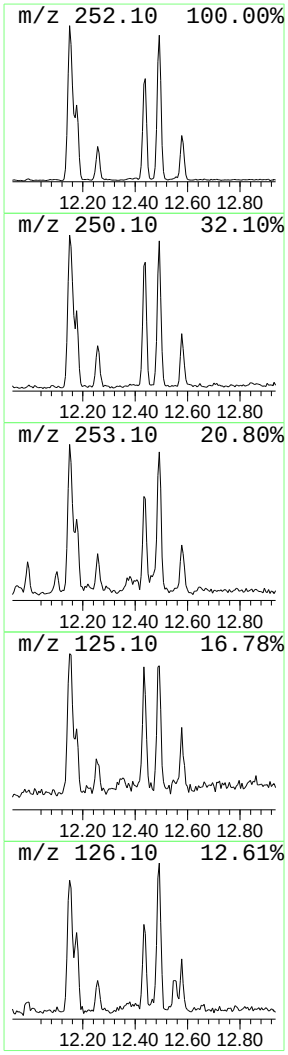
Peak Number 2 Unknown PAH substance Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.433	7.46 ppm	182236	Perylene-d12	12.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
2	Benzo[e]pyrene	252	C20H12	000192-97-2	91
3	Benzo[e]pyrene	252	C20H12	000192-97-2	90
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Perylene	252	C20H12	000198-55-0	90





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ALS Vial : 6 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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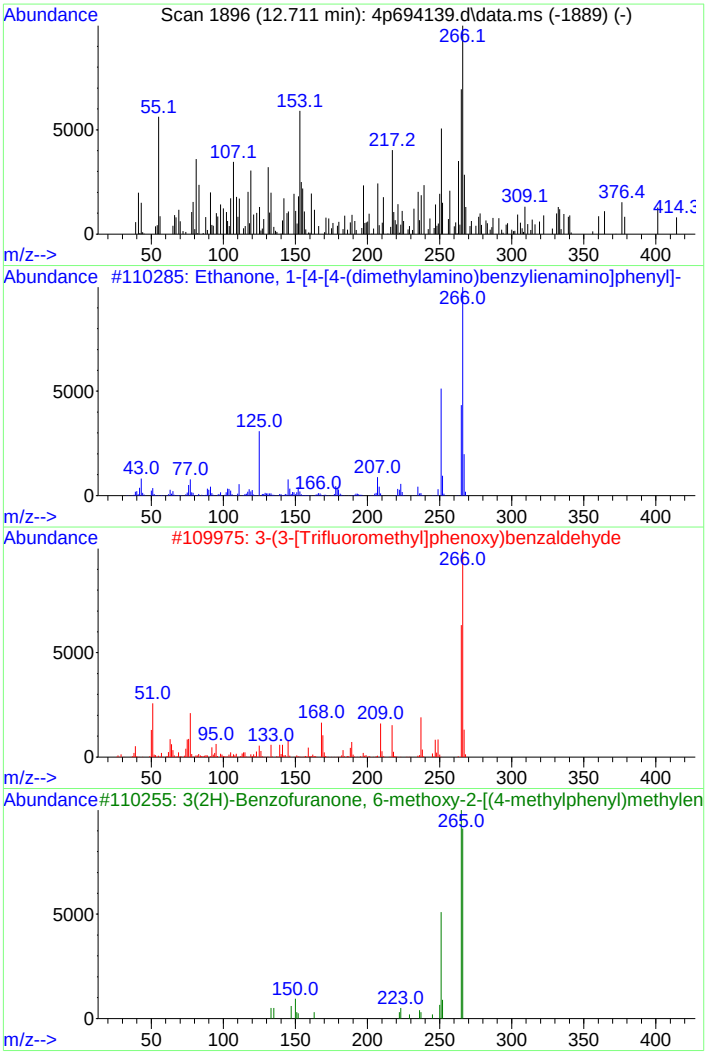
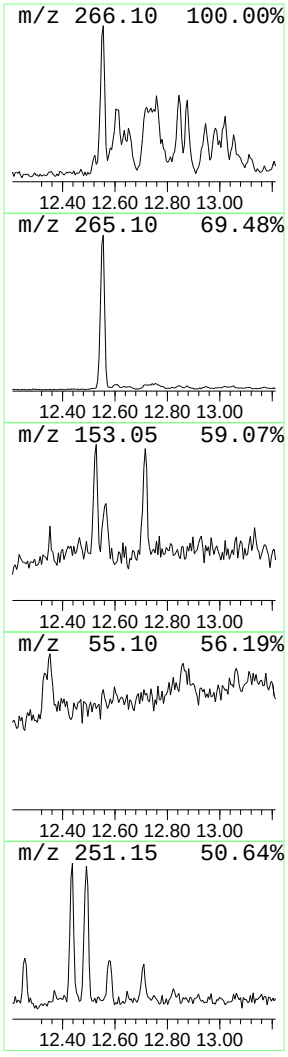
Peak Number 3 Unknown Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.711	5.77 ppm	140977	Perylene-d12	12.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-[4-[4-(dimethylamino...	266	C17H18N2O	038131-68-9	41
2	3-(3-[Trifluoromethyl]phenoxy)be...	266	C14H9F3O2	078725-46-9	38
3	3(2H)-Benzofuranone, 6-methoxy-2...	266	C17H14O3	077764-87-5	27
4	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	22
5	Phenanthrene, 3,6-dimethoxy-9,10...	266	C18H18O2	005025-36-5	22





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ALS Vial : 6 Sample Multiplier: 1

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Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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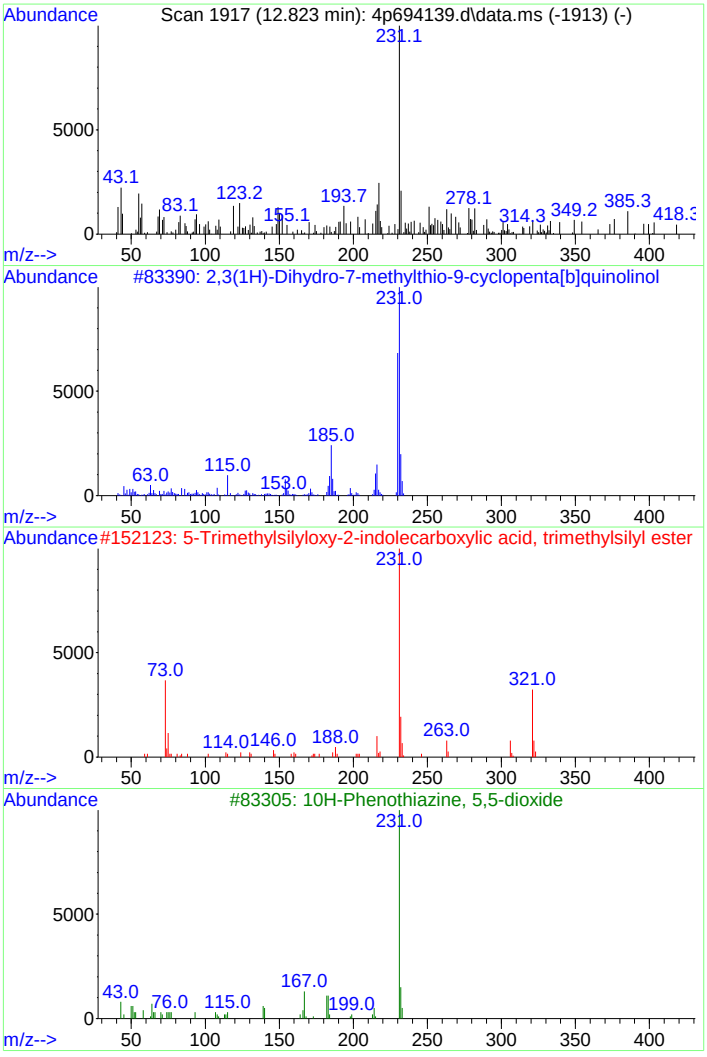
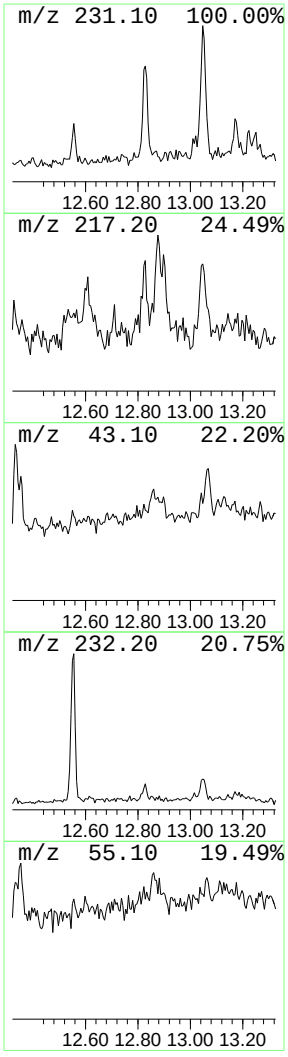
Peak Number 4 Unknown Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.823	4.03 ppm	98388	Perylene-d12	12.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3(1H)-Dihydro-7-methylthio-9-c...	231	C13H13NOS	1000257-08-5	49
2	5-Trimethylsilyloxy-2-indolecarb...	321	C15H23NO3Si2	1000292-72-0	47
3	10H-Phenothiazine, 5,5-dioxide	231	C12H9NO2S	001209-66-1	47
4	Propene, 1-cyclohexyl-1-(dicyclo...	314	C22H39B	1000151-08-5	43
5	2,6-Diphenylpyridine	231	C17H13N	003558-69-8	38





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ALS Vial : 6 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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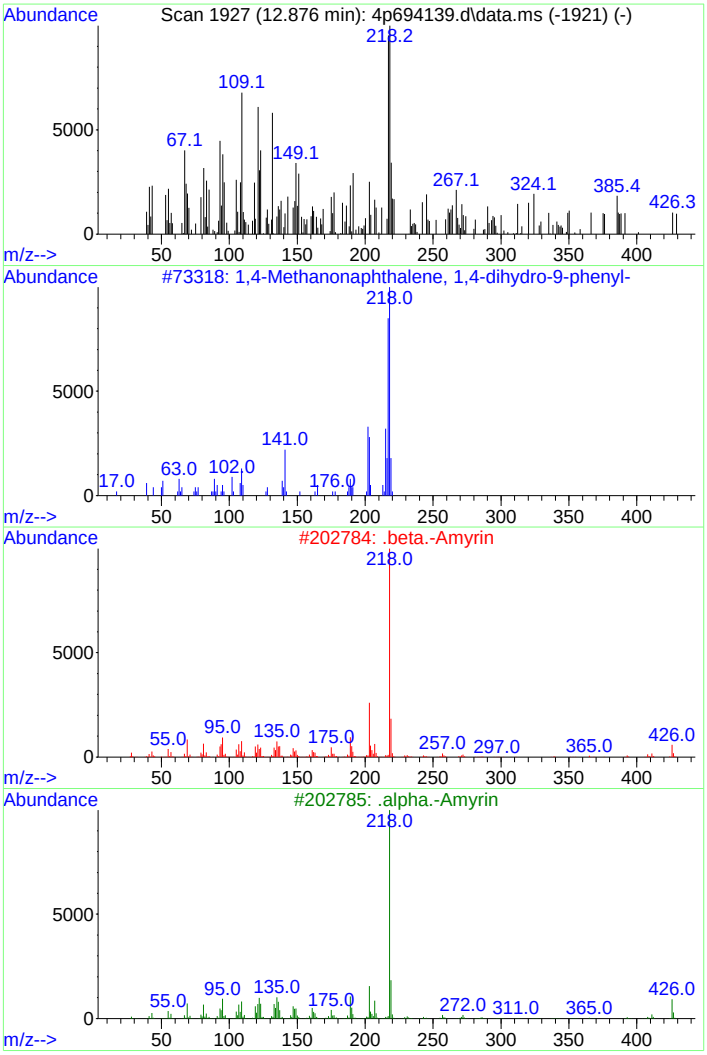
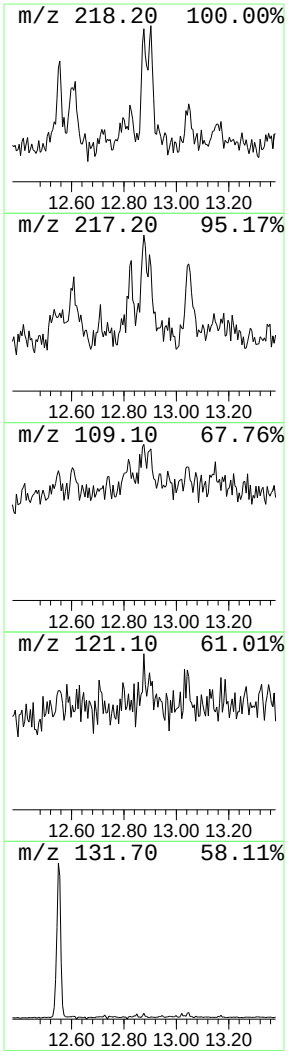
Peak Number 5 Unknown Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.876	10.51 ppm	256922	Perylene-d12	12.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Methanonaphthalene, 1,4-dihy...	218	C17H14	055028-73-4	43
2	.beta.-Amyrin	426	C30H50O	000559-70-6	18
3	.alpha.-Amyrin	426	C30H50O	000638-95-9	18
4	8-Amino-2,6-dimethoxylepidine	218	C12H14N2O2	074509-65-2	18
5	4H-Thieno[3,4-c]benzopyran-4-one...	217	C11H7NO2S	041078-15-3	14





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Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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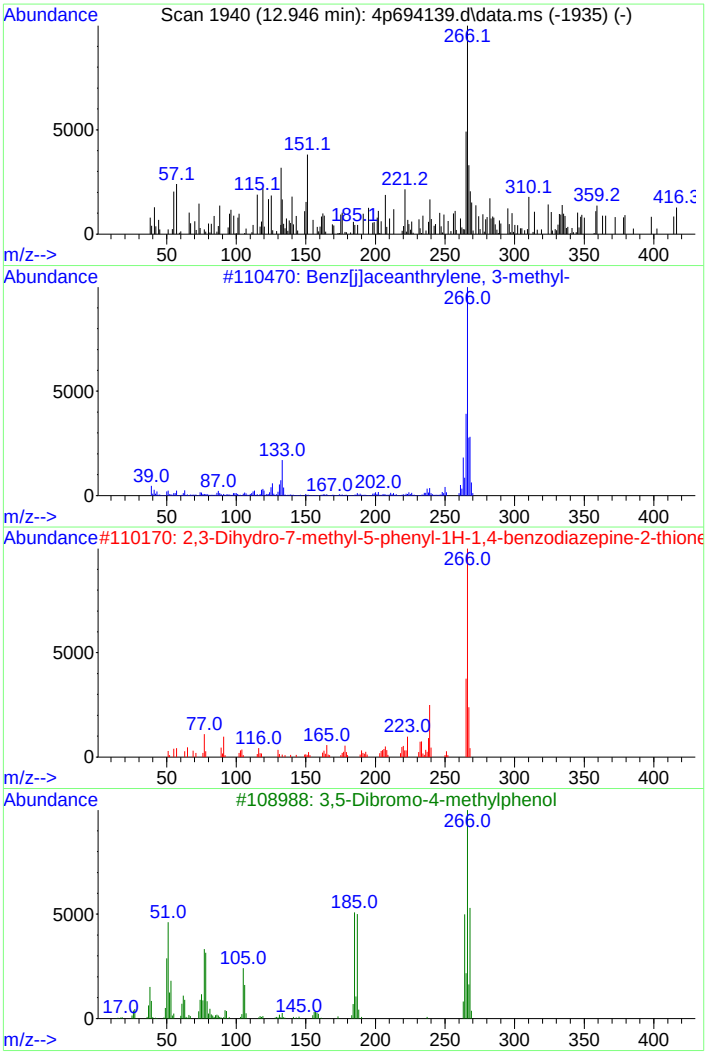
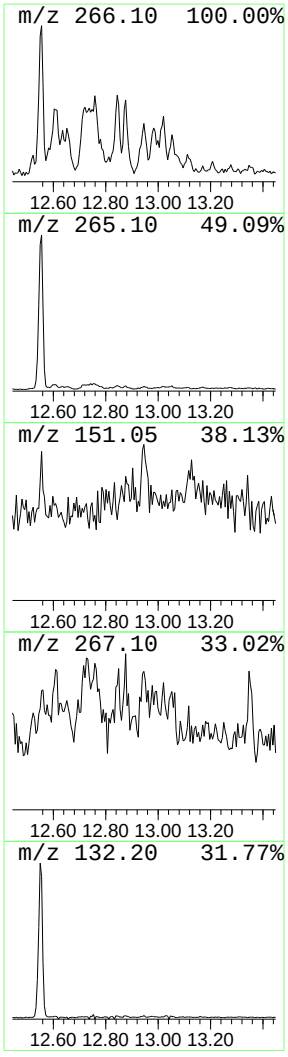
Peak Number 6 Unknown Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.946	5.49 ppm	134073	Perylene-d12	12.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	43
2	2,3-Dihydro-7-methyl-5-phenyl-1H...	266	C16H14N2S	002888-60-0	43
3	3,5-Dibromo-4-methylphenol	264	C7H6Br2O	013979-81-2	41
4	3-Chloro-6-methyl-11H-indolo[3,2...	282	C16H11ClN2O	1000212-76-7	38
5	4H-1-Benzopyran-4-one, 3-hydroxy...	266	C17H14O3	078396-37-9	38





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ALS Vial : 6 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
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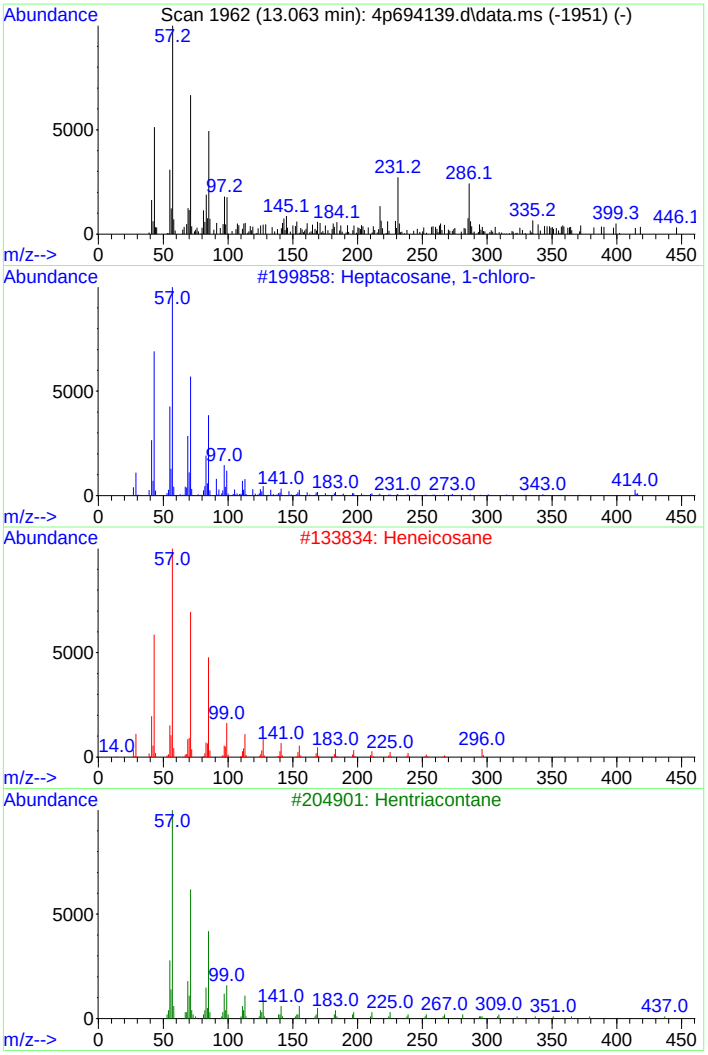
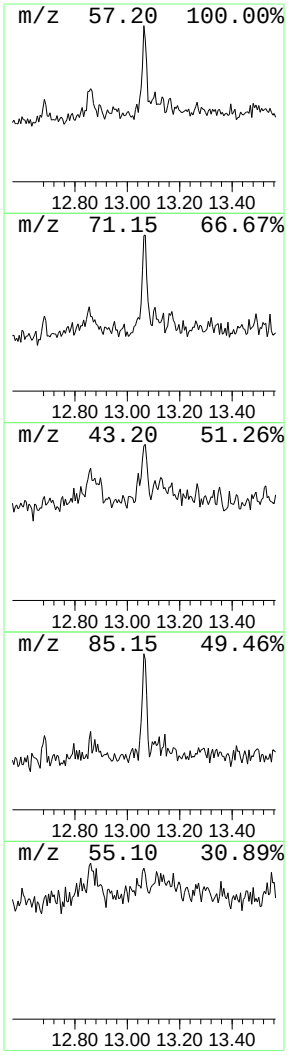
Peak Number 7 Alkane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.063	11.32 ppm	276595	Perylene-d12	12.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane, 1-chloro-	414	C27H55Cl	062016-79-9	70
2	Heneicosane	296	C21H44	000629-94-7	55
3	Hentriacontane	437	C31H64	000630-04-6	49
4	Tridecane	184	C13H28	000629-50-5	46
5	Sulfurous acid, hexyl pentyl ester	236	C11H24O3S	1000309-14-1	46





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Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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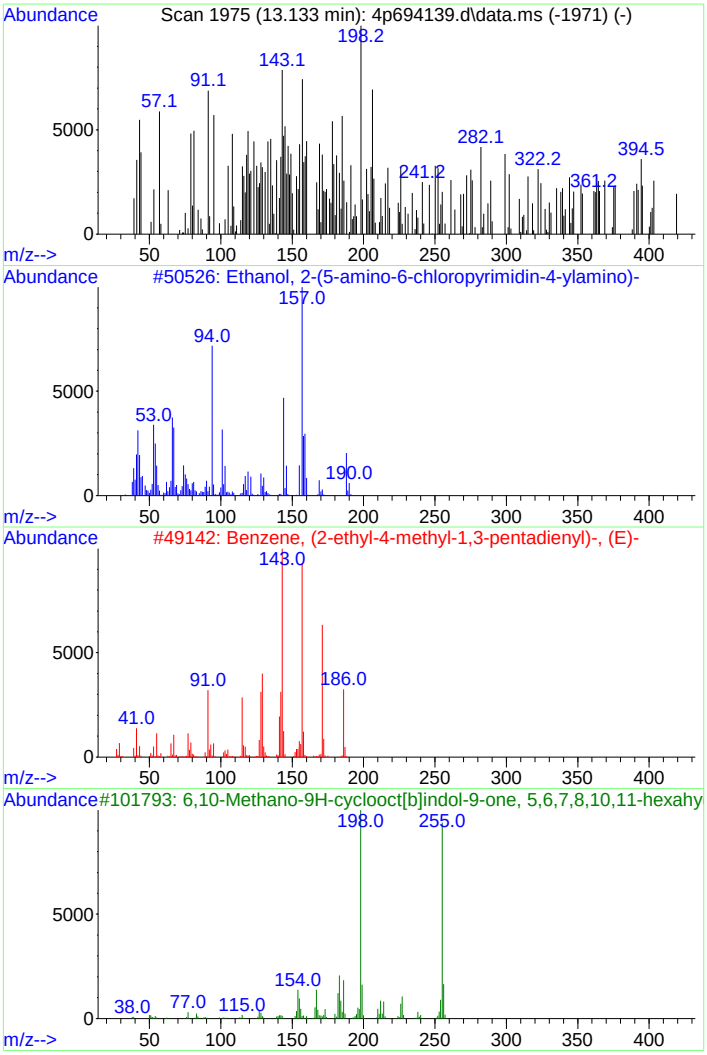
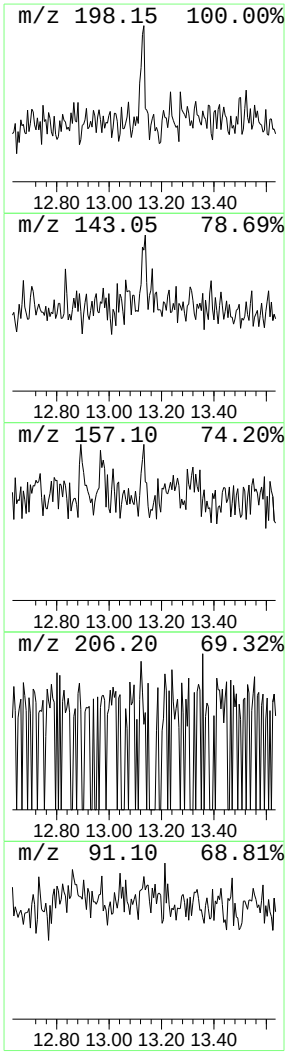
Peak Number 8 Unknown Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.133	4.56 ppm	111410	Perylene-d12	12.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(5-amino-6-chloropyri...	188	C6H9ClN4O	1000316-04-5	25
2	Benzene, (2-ethyl-4-methyl-1,3-p...	186	C14H18	074663-67-5	25
3	6,10-Methano-9H-cyclooct[b]indol...	255	C16H17NO2	1000337-05-8	15
4	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	15
5	Benzoic acid, 4-hydroxy-3,5-dime...	198	C9H10O5	000530-57-4	11





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Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
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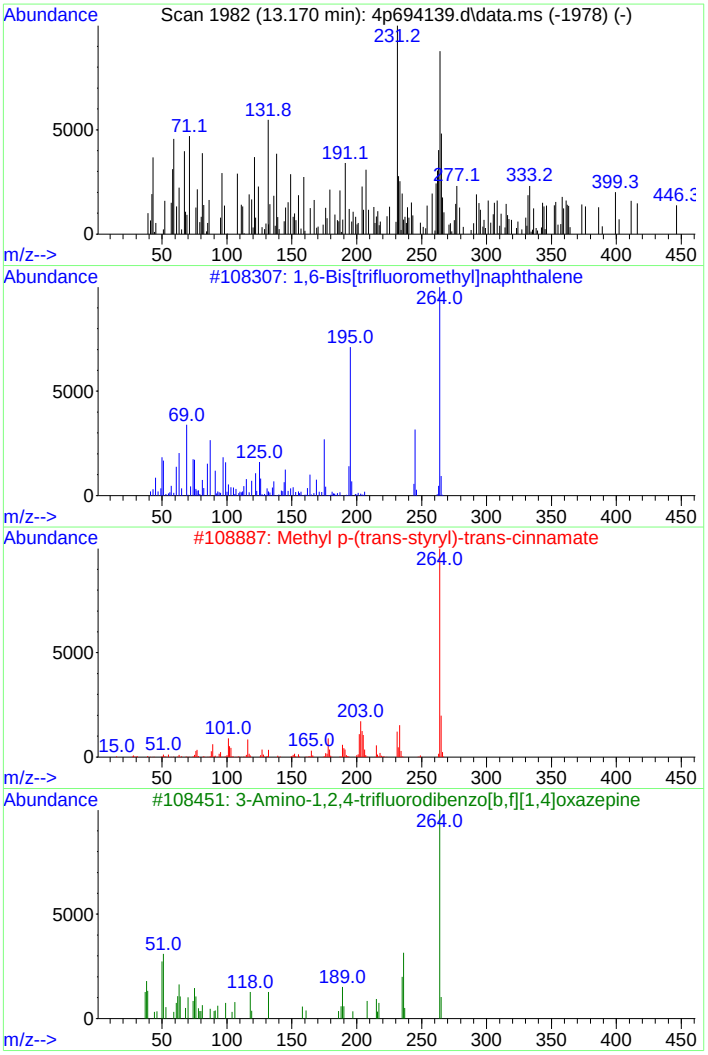
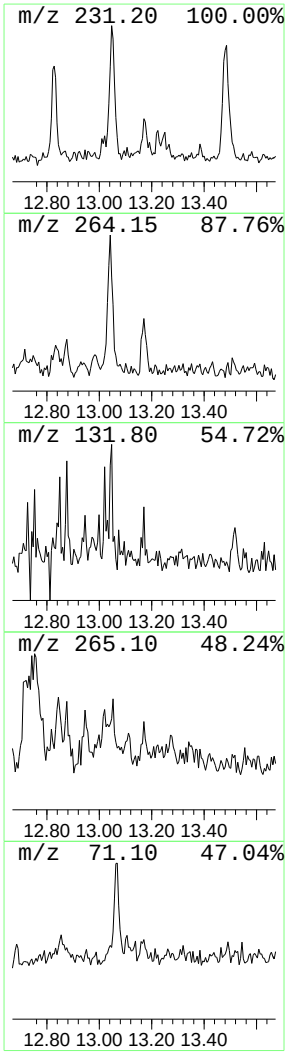
Peak Number 9 Unknown Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.170	5.23 ppm	127706	Perylene-d12	12.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,6-Bis[trifluoromethyl]naphthalene	264	C12H6F6	064567-07-3	35
2	Methyl p-(trans-styryl)-trans-ci...	264	C18H16O2	071205-18-0	22
3	3-Amino-1,2,4-trifluorodibenzo[b...	264	C13H7F3N2O	293324-57-9	18
4	7,12a-Dimethyl-1,2,3,4,4a,11,12,...	264	C20H24	075758-27-9	18
5	Thiourea, N,N-bis(2-methylpropyl...	264	C15H24N2S	015093-48-8	18





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TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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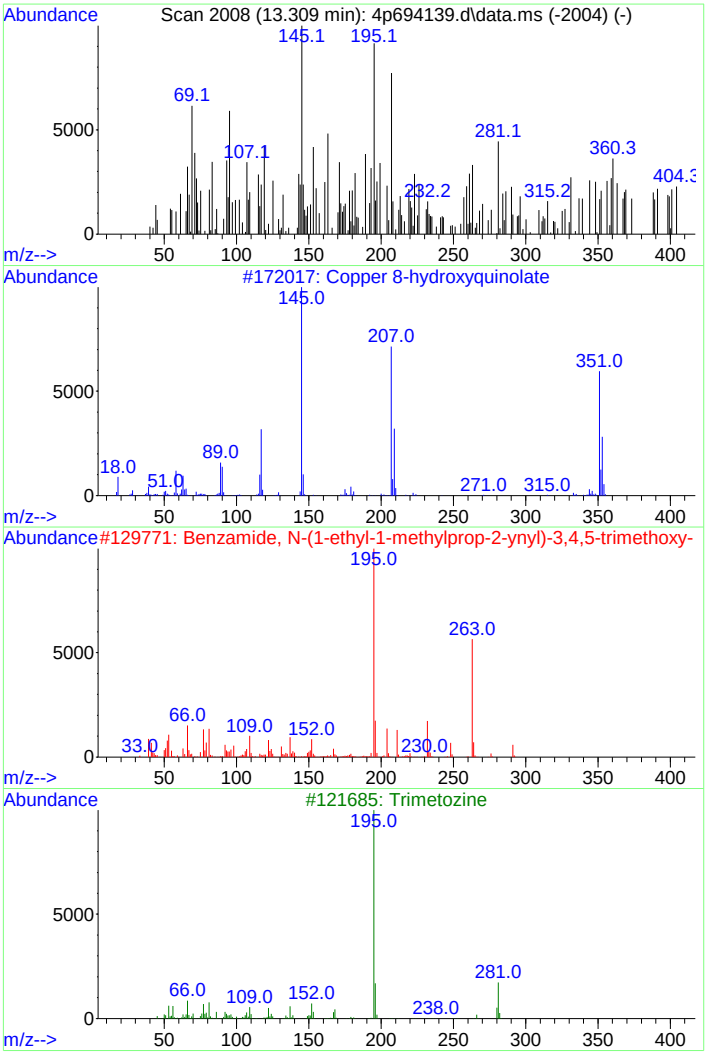
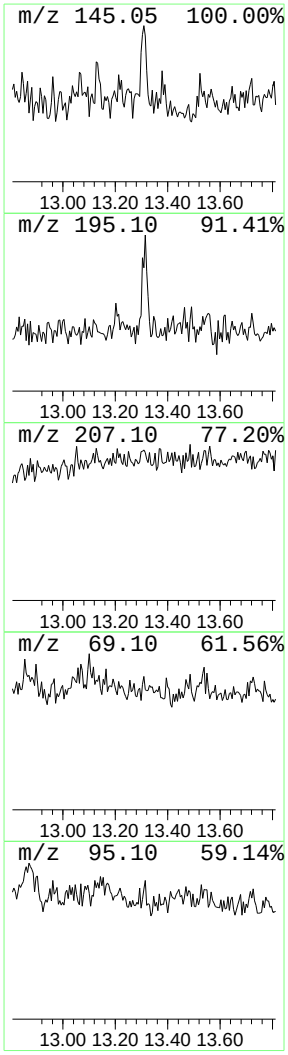
Peak Number 10 Unknown Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.309	4.16 ppm	101749	Perylene-d12	12.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Copper 8-hydroxyquinolate	351	C18H12CuN2O2	010380-28-6	12
2	Benzamide, N-(1-ethyl-1-methylpr...	291	C16H21NO4	1000310-74-2	12
3	Trimetozine	281	C14H19NO5	000635-41-6	12
4	Carbazole, 2,6-dimethyl-	195	C14H13N	078787-80-1	11
5	Carbazole, 1,5-dimethyl-	195	C14H13N	051640-60-9	11





Library Search Compound Report

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Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694139.d
Acq On    :  6 Dec 2024  11:09 am
Operator  : kaleigh
Sample    : je1536-1
Misc      : op59876,e4p3703,30.01,,,1,1
ALS Vial  : 6   Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title  : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library   : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

**********************************************************************
Peak Number 11  Unknown                          Concentration Rank 13
```
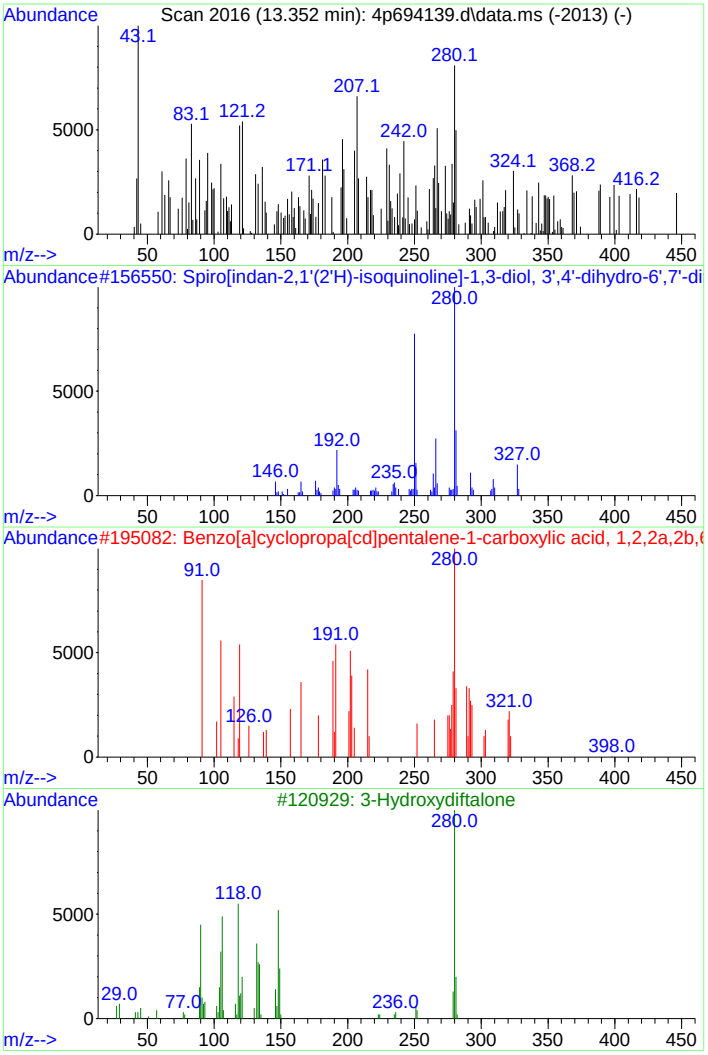
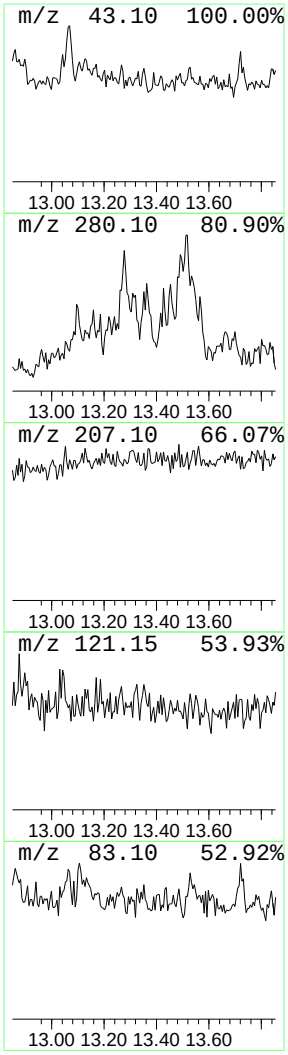

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.352	4.13 ppm	101032	Perylene-d12	12.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Spiro[indan-2,1'(2'H)-isoquinoli...	327	C19H21NO4	033863-49-9	22
2	Benzo[a]cyclopropa[cd]pentalene-...	398	C26H22O4	040897-27-6	22
3	3-Hydroxydiftalone	280	C16H12N2O3	037149-90-9	18
4	Silane, dimethyl(3-ethylphenoxy)...	280	C16H28O2Si	1000347-46-5	14
5	Silane, dimethyl(2,5-dimethylphe...	280	C16H28O2Si	1000347-29-4	14





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694139.d
Acq On : 6 Dec 2024 11:09 am
Operator : kaleigh
Sample : je1536-1
Misc : op59876,e4p3703,30.01,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

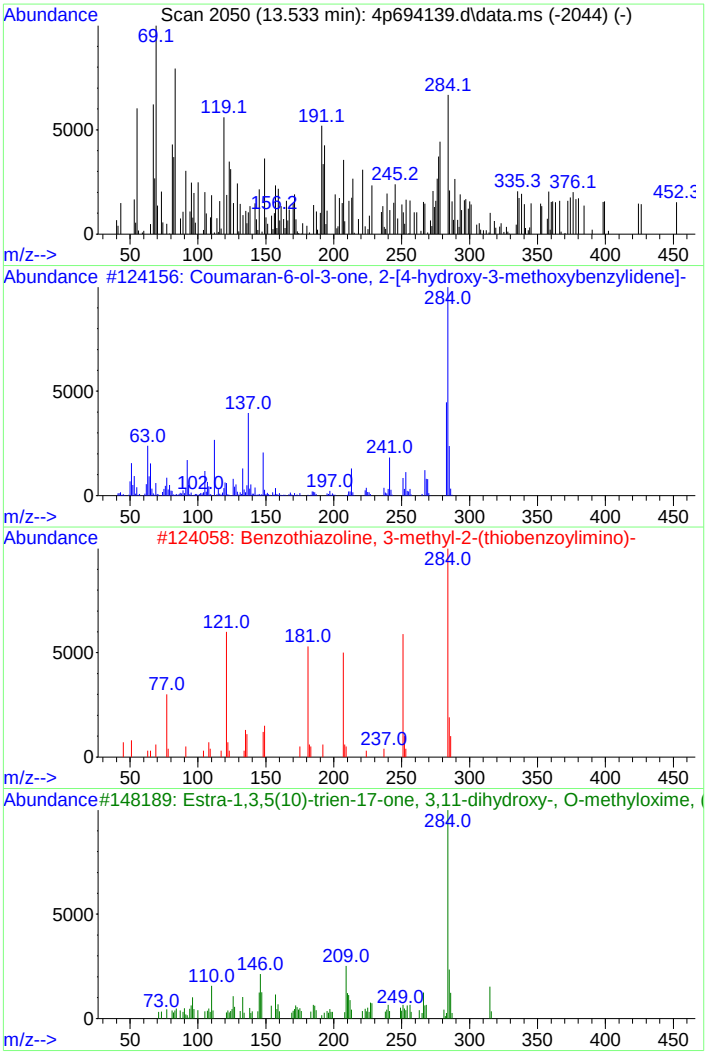
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

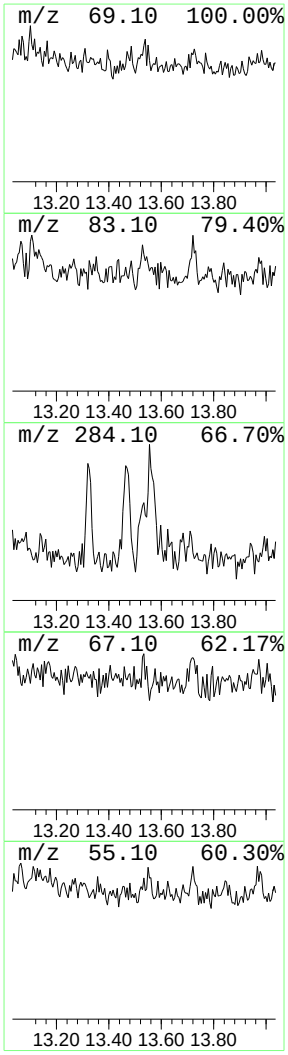
****

Peak Number 12 Unknown Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.533	6.43 ppm	157240	Perylene-d12	12.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Coumaran-6-ol-3-one, 2-[4-hydrox...	284	C16H12O5	032396-80-8	15
2	Benzothiazoline, 3-methyl-2-(thi...	284	C15H12N2S2	118215-09-1	11
3	Estra-1,3,5(10)-trien-17-one, 3,...	315	C19H25NO3	069833-88-1	11
4	D-Homoestra-1,3,5(10),8-tetraen-...	284	C19H24O2	1000215-87-5	11
5	i-Propyl octadecanoate	326	C21H42O2	1000336-68-0	10





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694139.d
Acq On : 6 Dec 2024 11:09 am
Operator : kaleigh
Sample : je1536-1
Misc : op59876,e4p3703,30.01,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

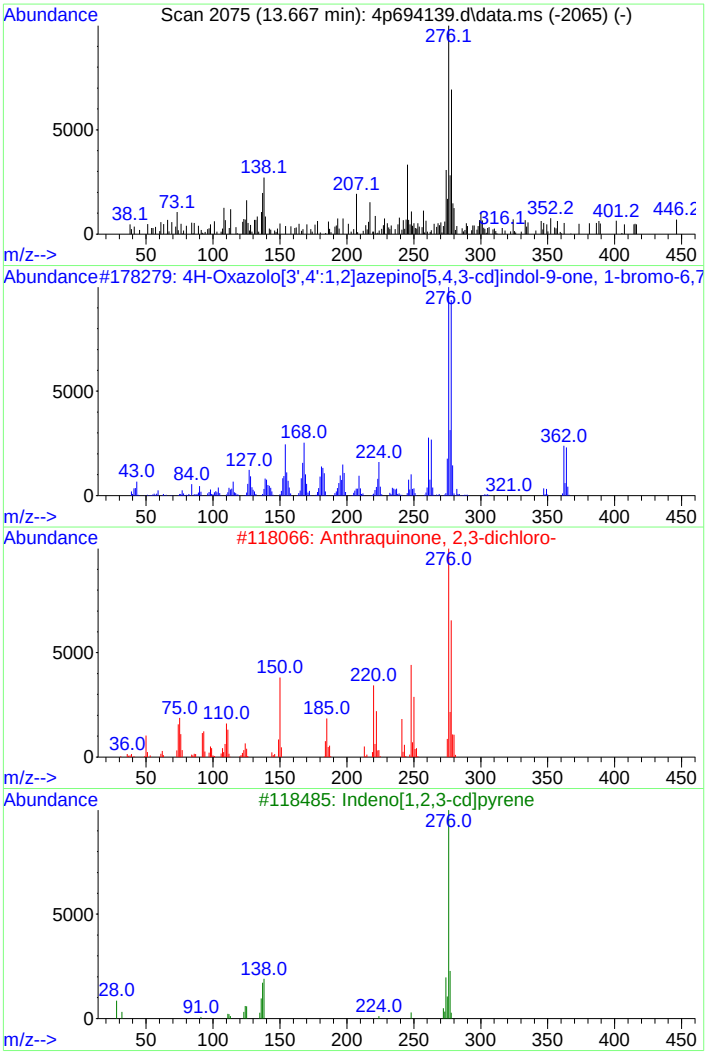
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

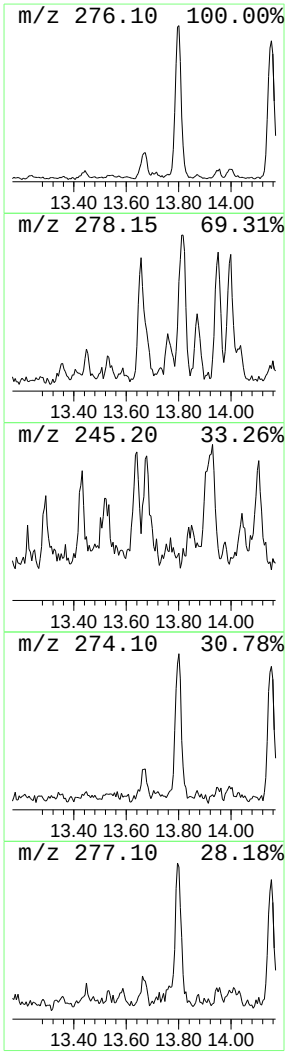
****

Peak Number 13 Unknown Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.667	4.50 ppm	110006	Perylene-d12	12.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Oxazolo[3',4':1,2]azepino[5,4...	362	C17H19BrN2O2	1000316-35-3	58
2	Anthraquinone, 2,3-dichloro-	276	C14H6Cl2O2	000084-45-7	58
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	50
4	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	50
5	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	50





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694139.d
Acq On : 6 Dec 2024 11:09 am
Operator : kaleigh
Sample : je1536-1
Misc : op59876,e4p3703,30.01,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

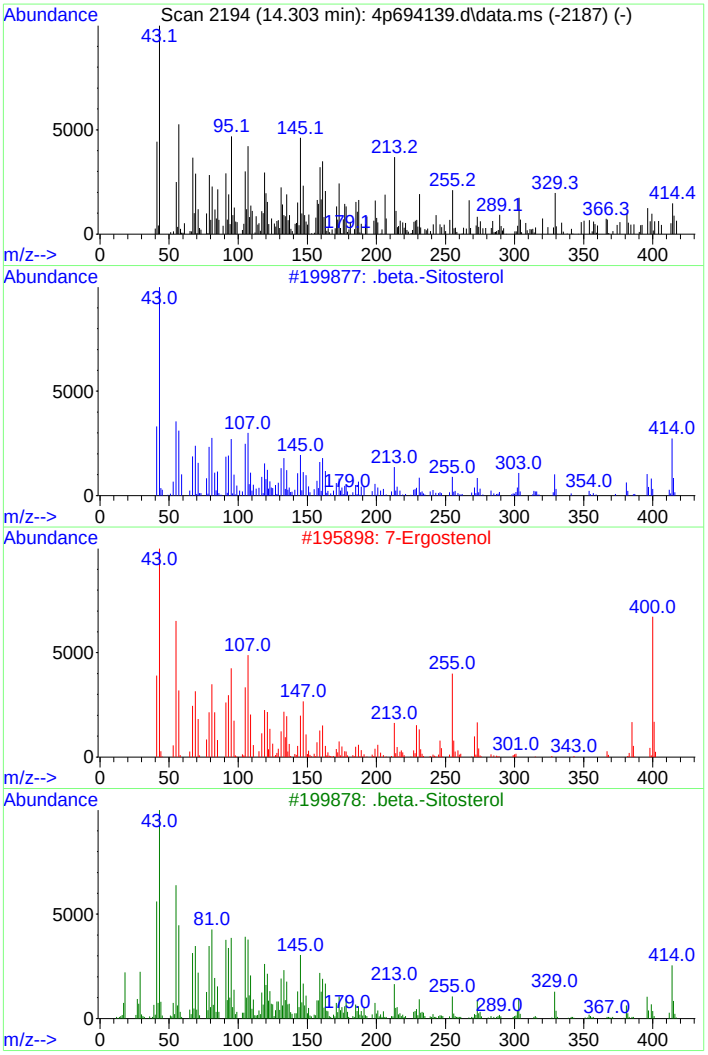
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

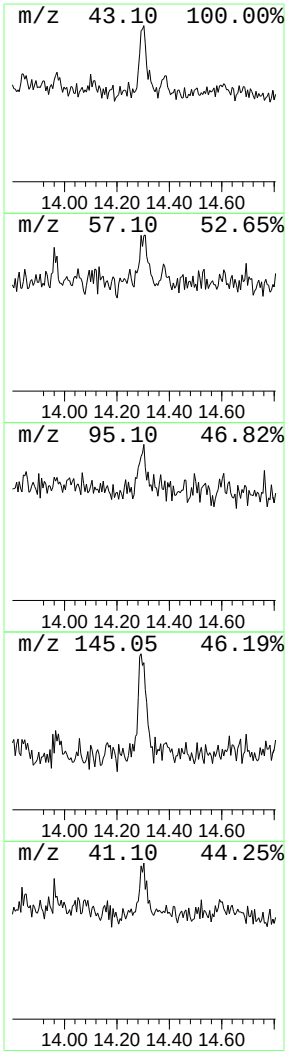
****

Peak Number 14 Unknown Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.303	5.11 ppm	124761	Perylene-d12	12.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Sitosterol	414	C29H50O	000083-46-5	91
2	7-Ergostenol	400	C28H48O	116179-22-7	64
3	.beta.-Sitosterol	414	C29H50O	000083-46-5	58
4	Cholest-5-ene, 3-ethoxy-, (3.bet...	414	C29H50O	000986-19-6	50
5	.gamma.-Sitosterol	414	C29H50O	000083-47-6	43





Tentatively Identified Compound (LSC) summary

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694139.d
Acq On : 6 Dec 2024 11:09 am
Operator : kaleigh
Sample : je1536-1
Misc : op59876,e4p3703,30.01,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Alkane	12.331	6.8	ppm	165972	14	12.556	977535	40.0
Unknown PAH sub...	12.433	7.5	ppm	182236	14	12.556	977535	40.0
Unknown	12.711	5.8	ppm	140977	14	12.556	977535	40.0
Unknown	12.823	4.0	ppm	98388	14	12.556	977535	40.0
Unknown	12.876	10.5	ppm	256922	14	12.556	977535	40.0
Unknown	12.946	5.5	ppm	134073	14	12.556	977535	40.0
Alkane	13.063	11.3	ppm	276595	14	12.556	977535	40.0
Unknown	13.133	4.6	ppm	111410	14	12.556	977535	40.0
Unknown	13.170	5.2	ppm	127706	14	12.556	977535	40.0
Unknown	13.309	4.2	ppm	101749	14	12.556	977535	40.0
Unknown	13.352	4.1	ppm	101032	14	12.556	977535	40.0
Unknown	13.533	6.4	ppm	157240	14	12.556	977535	40.0
Unknown	13.667	4.5	ppm	110006	14	12.556	977535	40.0
Unknown	14.303	5.1	ppm	124761	14	12.556	977535	40.0

Manual Integrations APPROVED (compounds with "m" flag)
Jacky Takeuchi 12/06/24 23:15

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694140.d
Acq On : 6 Dec 2024 11:33 am
Operator : kaleigh
Sample : je1536-2 Inst : GCMS4P
Misc : op59876,e4p3703,30.02,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 06 18:46:09 2024
Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Fri Dec 06 18:18:31 2024
Response via : Initial Calibration

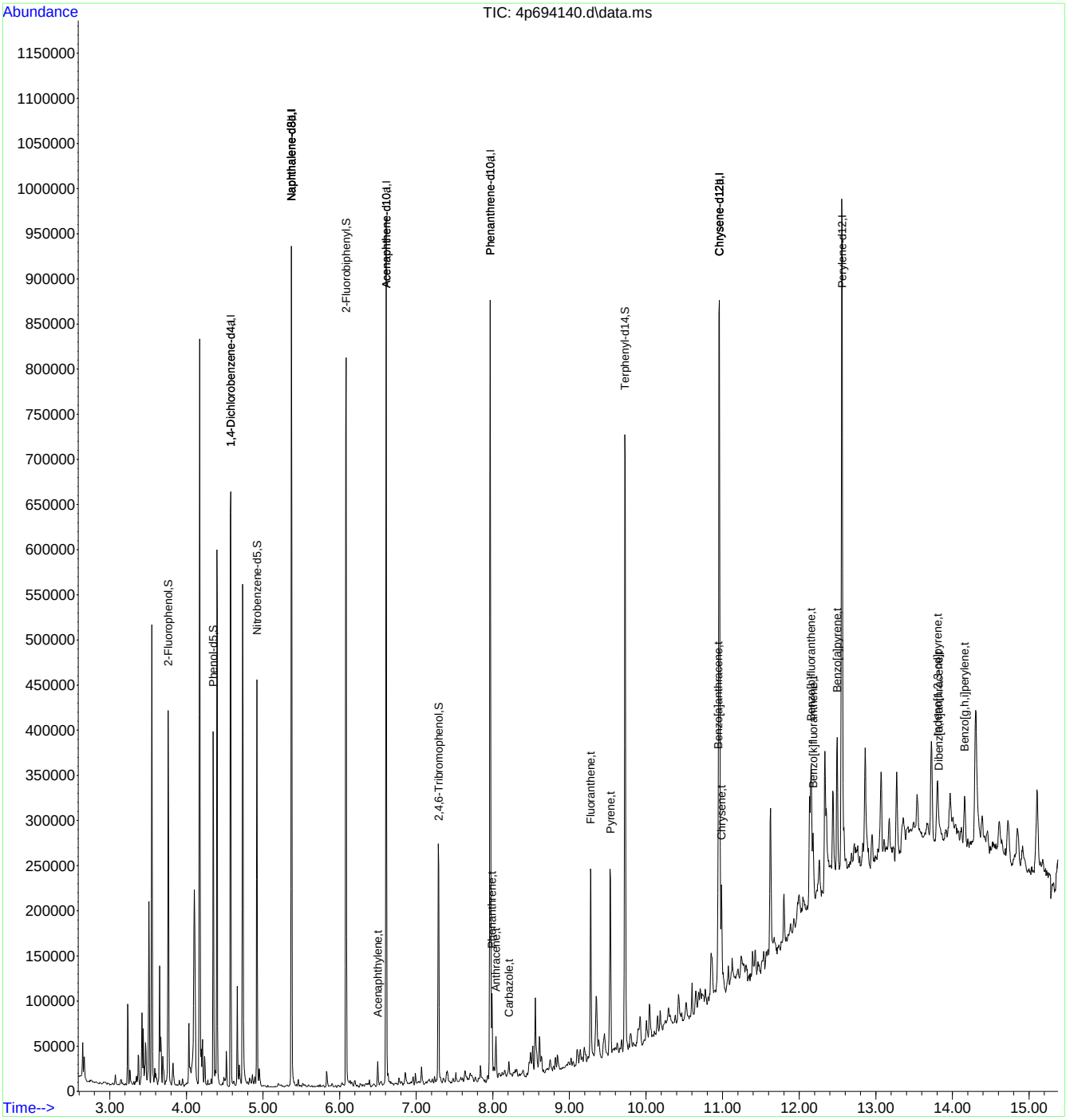
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.580	152	81407	40.00	ppm	0.00
24) Naphthalene-d8	5.370	136	300019	40.00	ppm	0.00
46) Acenaphthene-d10	6.610	164	169285	40.00	ppm	0.00
69) Phenanthrene-d10	7.967	188	290625	40.00	ppm	0.00
84) Chrysene-d12	10.958	240	289843	40.00	ppm	0.00
93) Perylene-d12	12.561	264	302155	40.00	ppm	0.00
103) 1,4-Dichlorobenzene-d4a	4.580	152	81407	40.00	ppm	0.00
105) Acenaphthene-d10a	6.610	164	169285	40.00	ppm	0.00
107) Chrysene-d12a	10.958	240	289843	40.00	ppm	0.00
109) Phenanthrene-d10a	7.967	188	290625	40.00	ppm	0.00
111) Naphthalene-d8a	5.370	136	300019	40.00	ppm	0.00
113) Chrysene-d12b	10.958	240	289985	40.00	ppm	0.00
115) Naphthalene-d8b	5.370	136	300019	40.00	ppm	0.00
118) Naphthalene-d8c	5.370	136	300019	40.00	ppm	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.762	112	79842	35.68	ppm	0.00
Spiked Amount 50.000			Recovery =	71.36%		
8) Phenol-d5	4.350	99	99947	33.95	ppm	0.00
Spiked Amount 50.000			Recovery =	67.90%		
25) Nitrobenzene-d5	4.922	82	94129	35.42	ppm	0.00
Spiked Amount 50.000			Recovery =	70.84%		
51) 2-Fluorobiphenyl	6.086	172	211955	36.77	ppm	0.00
Spiked Amount 50.000			Recovery =	73.54%		
74) 2,4,6-Tribromophenol	7.293	330	25954	35.44	ppm	0.00
Spiked Amount 50.000			Recovery =	70.88%		
87) Terphenyl-d14	9.724	244	240112	33.30	ppm	0.00
Spiked Amount 50.000			Recovery =	66.60%		
108) 1-chlorooctadecane	0.000	57	0d	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
110) o-terphenyl	0.000	230	0	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
56) Acenaphthylene	6.497	152	9514	1.3786	ppm	98
78) Phenanthrene	7.988	178	32070	3.9424	ppm	99
79) Anthracene	8.041	178	13047	1.6316	ppm	97
80) Carbazole	8.212	167	4055	0.5521	ppm	92
82) Fluoranthene	9.275	202	87350	9.9018	ppm	98
86) Pyrene	9.537	202	89249	8.7515	ppm	99
89) Benzo[a]anthracene	10.942	228	50715	5.3816	ppm	93
91) Chrysene	10.985	228	53034	5.8371	ppm	96
95) Benzo[b]fluoranthene	12.155	252	75468m	8.0689	ppm	
96) Benzo[k]fluoranthene	12.182	252	27824m	3.1375	ppm	
97) Benzo[a]pyrene	12.497	252	57985	7.3332	ppm	96
98) Indeno[1,2,3-cd]pyrene	13.806	276	40407	3.8378	ppm	97
100) Dibenz[a,h]anthracene	13.822	278	10124	1.1857	ppm	90
102) Benzo[g,h,i]perylene	14.158	276	39084	4.9029	ppm	98

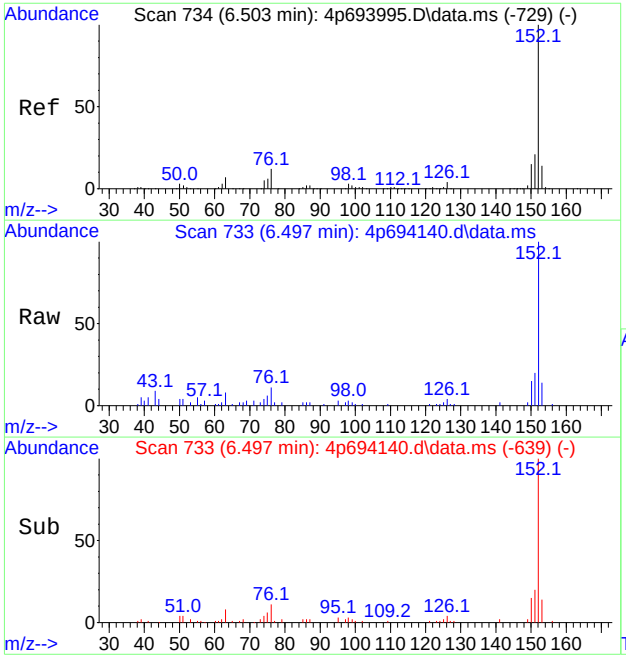
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694140.d
Acq On : 6 Dec 2024 11:33 am
Operator : kaleigh
Sample : je1536-2 Inst : GCMS4P
Misc : op59876,e4p3703,30.02,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 06 18:46:09 2024
Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Fri Dec 06 18:18:31 2024
Response via : Initial Calibration

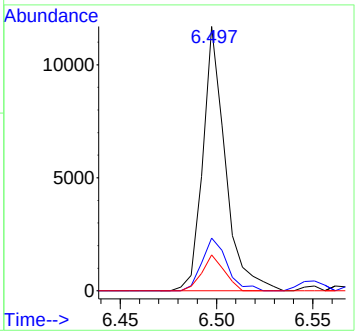


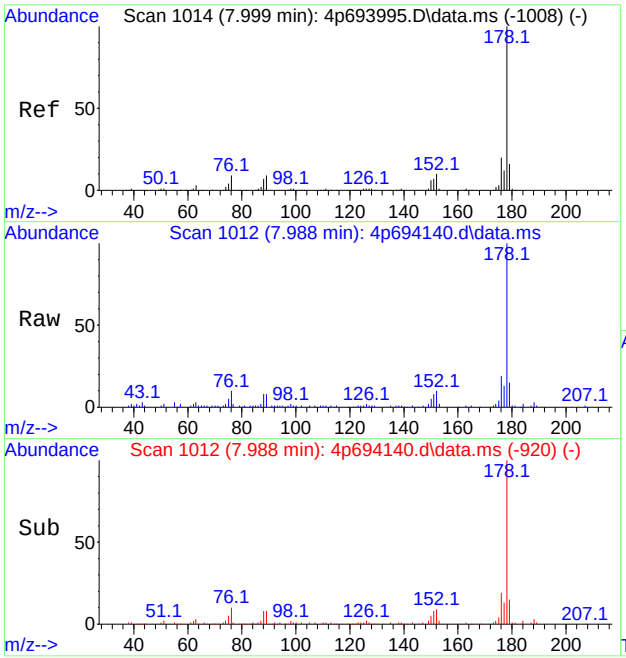


#56
Acenaphthylene
Concen: 1.3786 ppm
RT: 6.497 min Scan# 733
Delta R.T. -0.000 min
Lab File: 4p694140.d
Acq: 6 Dec 2024 11:33 am

Tgt Ion:152 Resp: 9514

Ion	Ratio	Lower	Upper
152	100		
151	20.0	0.0	51.0
153	13.6	0.0	44.1

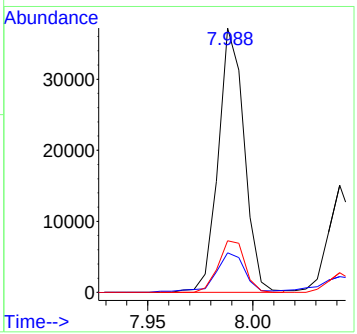


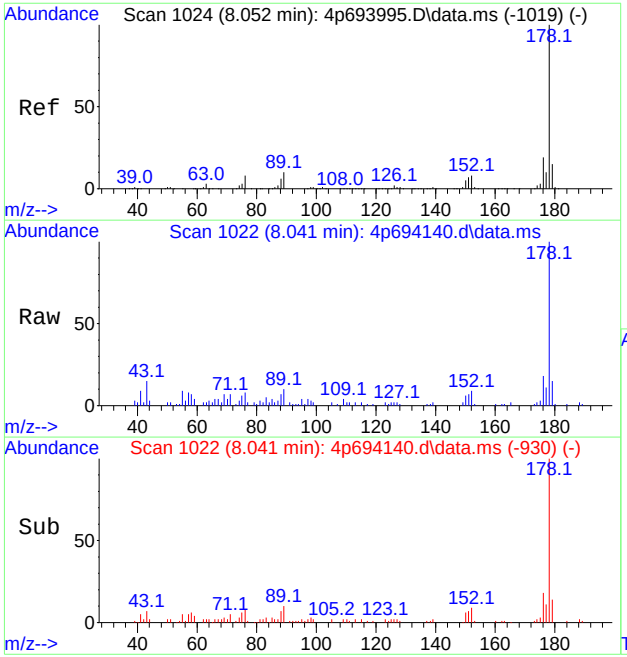


#78
Phenanthrene
Concen: 3.9424 ppm
RT: 7.988 min Scan# 1012
Delta R.T. -0.011 min
Lab File: 4p694140.d
Acq: 6 Dec 2024 11:33 am

Tgt Ion:178 Resp: 32070

Ion	Ratio	Lower	Upper
178	100		
179	14.4	0.0	45.1
176	19.6	0.0	49.7

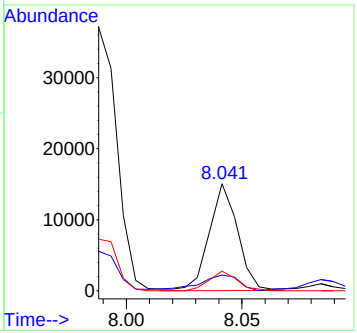


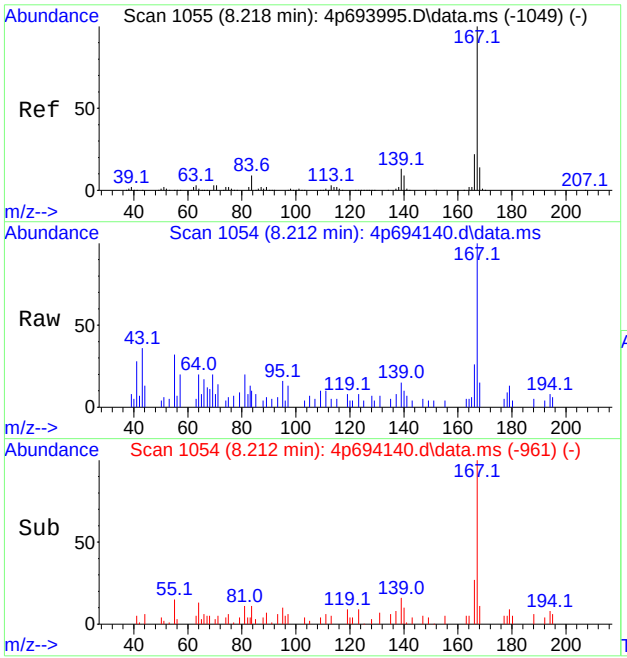


#79
Anthracene
Concen: 1.6316 ppm
RT: 8.041 min Scan# 1022
Delta R.T. -0.011 min
Lab File: 4p694140.d
Acq: 6 Dec 2024 11:33 am

Tgt Ion:178 Resp: 13047

Ion	Ratio	Lower	Upper
178	100		
179	13.0	0.0	45.3
176	18.6	0.0	49.3

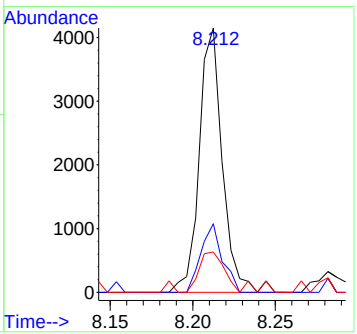


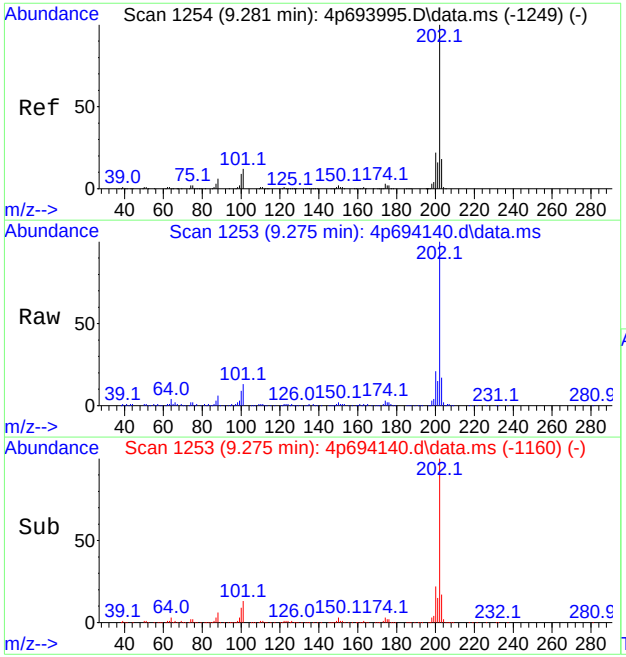


#80
Carbazole
Concen: 0.5521 ppm
RT: 8.212 min Scan# 1054
Delta R.T. -0.006 min
Lab File: 4p694140.d
Acq: 6 Dec 2024 11:33 am

Tgt Ion:167 Resp: 4055

Ion	Ratio	Lower	Upper
167	100		
166	26.0	0.0	51.7
139	15.3	0.0	42.5

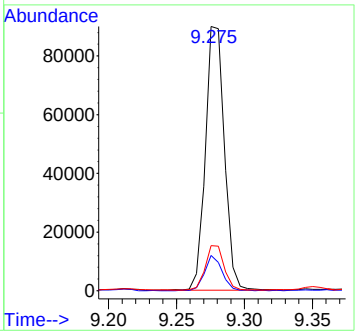


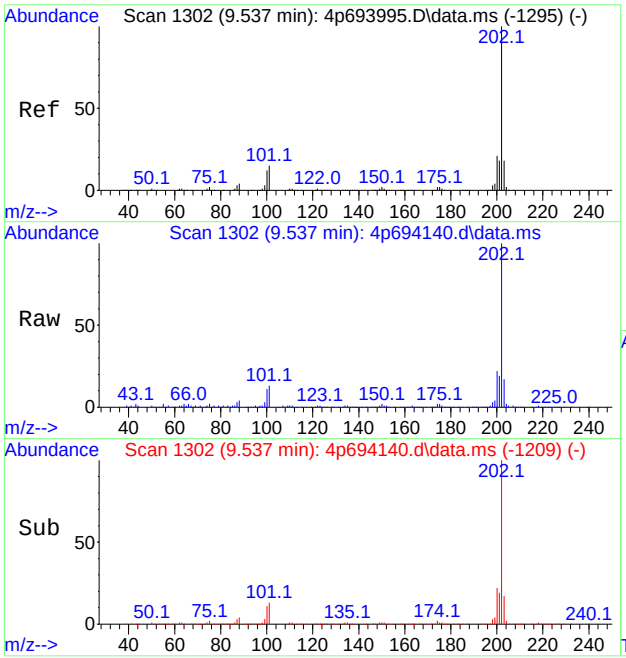


#82
Fluoranthene
Concen: 9.9018 ppm
RT: 9.275 min Scan# 1253
Delta R.T. -0.006 min
Lab File: 4p694140.d
Acq: 6 Dec 2024 11:33 am

Tgt Ion:202 Resp: 87350

Ion	Ratio	Lower	Upper
202	100		
101	13.4	0.0	43.3
203	16.7	0.0	48.2

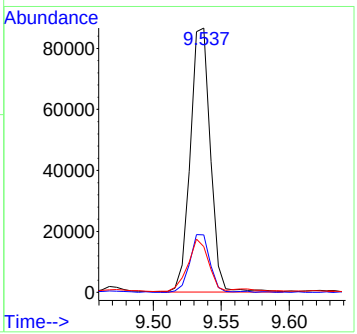


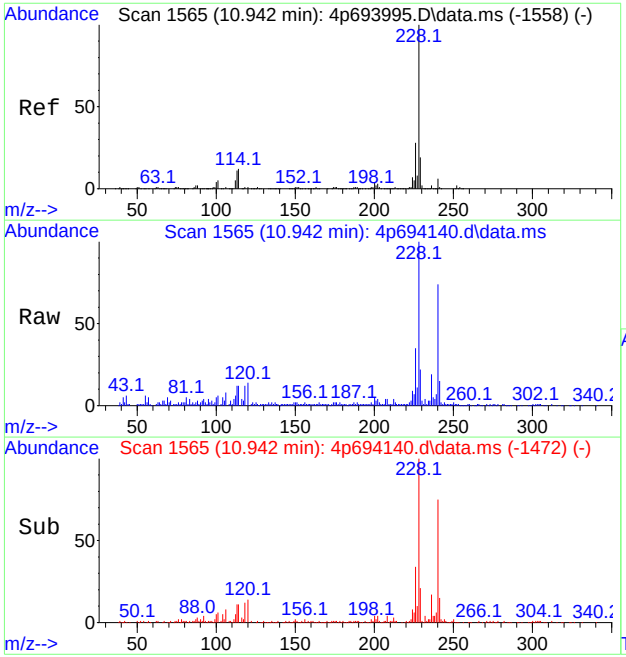


#86
Pyrene
Concen: 8.7515 ppm
RT: 9.537 min Scan# 1302
Delta R.T. -0.006 min
Lab File: 4p694140.d
Acq: 6 Dec 2024 11:33 am

Tgt Ion:202 Resp: 89249

Ion	Ratio	Lower	Upper
202	100		
200	21.7	0.0	52.1
203	16.9	0.0	47.5

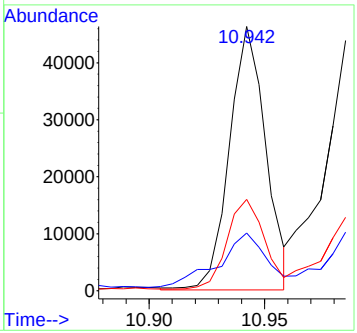


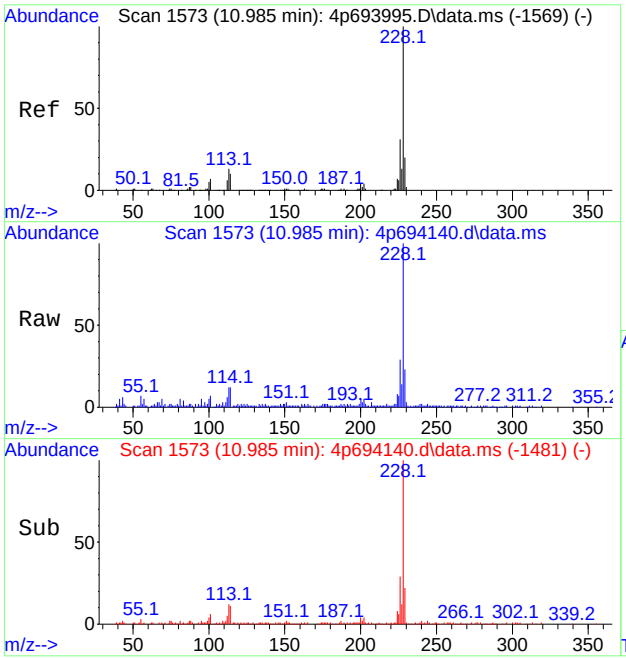


#89
Benzo[a]anthracene
Concen: 5.3816 ppm
RT: 10.942 min Scan# 1565
Delta R.T. -0.006 min
Lab File: 4p694140.d
Acq: 6 Dec 2024 11:33 am

Tgt Ion:228 Resp: 50715

Ion	Ratio	Lower	Upper
228	100		
229	20.0	0.0	49.7
226	34.8	0.0	58.6

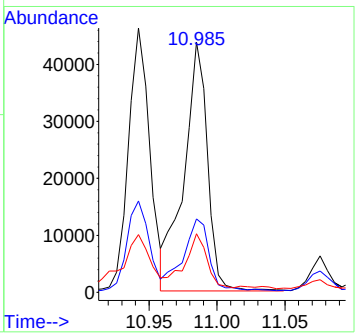


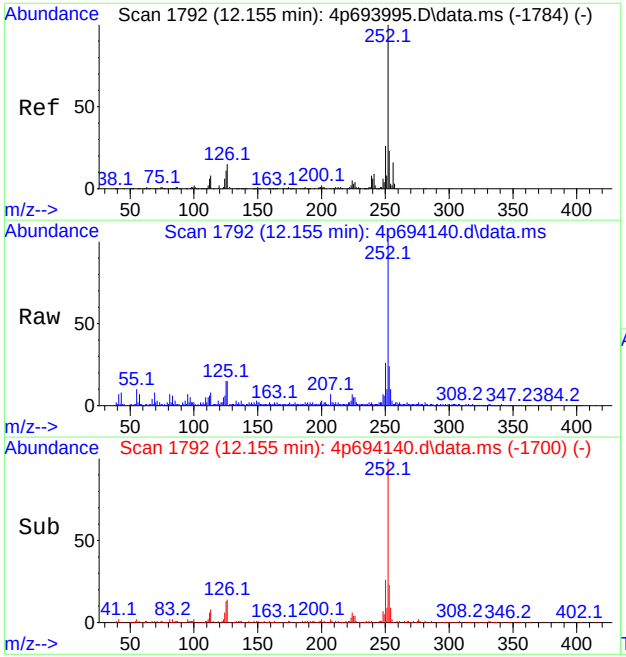


#91
Chrysene
Concen: 5.8371 ppm
RT: 10.985 min Scan# 1573
Delta R.T. -0.011 min
Lab File: 4p694140.d
Acq: 6 Dec 2024 11:33 am

Tgt Ion:228 Resp: 53034

Ion	Ratio	Lower	Upper
228	100		
226	29.0	1.6	61.6
229	21.7	0.0	50.0

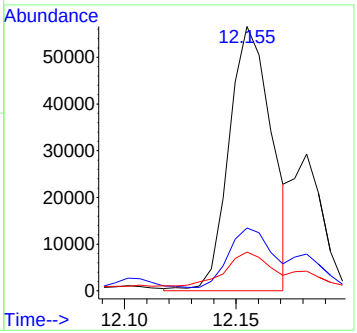


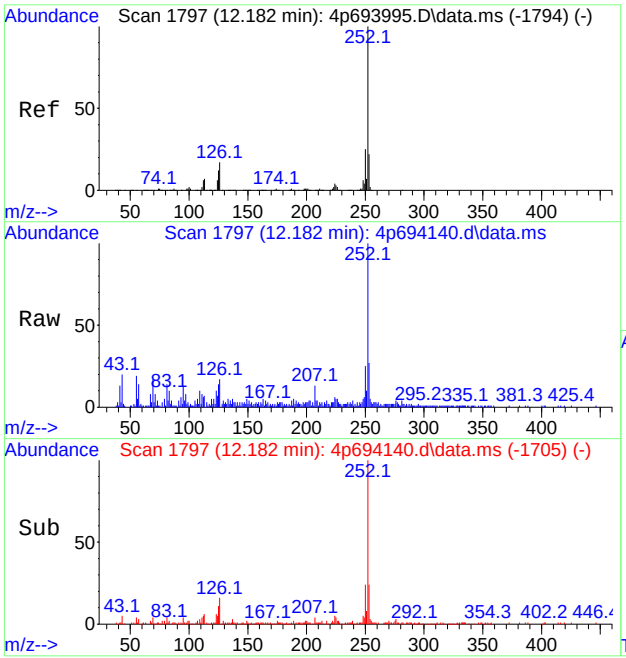


#95
Benzo[b]fluoranthene
Concen: 8.0689 ppm m
RT: 12.155 min Scan# 1792
Delta R.T. -0.011 min
Lab File: 4p694140.d
Acq: 6 Dec 2024 11:33 am

Tgt Ion:252 Resp: 75468

Ion	Ratio	Lower	Upper
252	100		
253	23.8	0.0	52.2
125	14.7	0.0	41.9

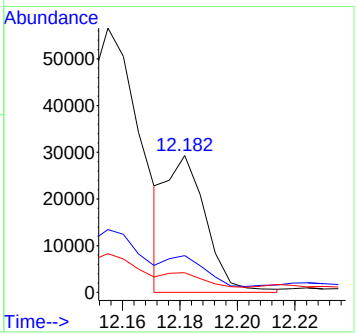


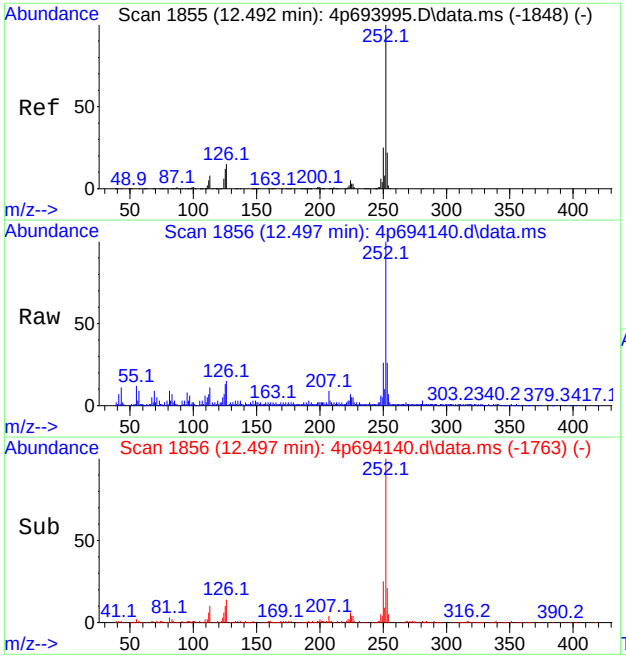


#96
Benzo[k]fluoranthene
Concen: 3.1375 ppm m
RT: 12.182 min Scan# 1797
Delta R.T. -0.011 min
Lab File: 4p694140.d
Acq: 6 Dec 2024 11:33 am

Tgt Ion:252 Resp: 27824

Ion	Ratio	Lower	Upper
252	100		
253	26.9	0.0	51.9
125	14.3	0.0	41.8

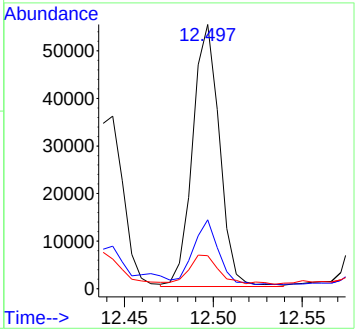


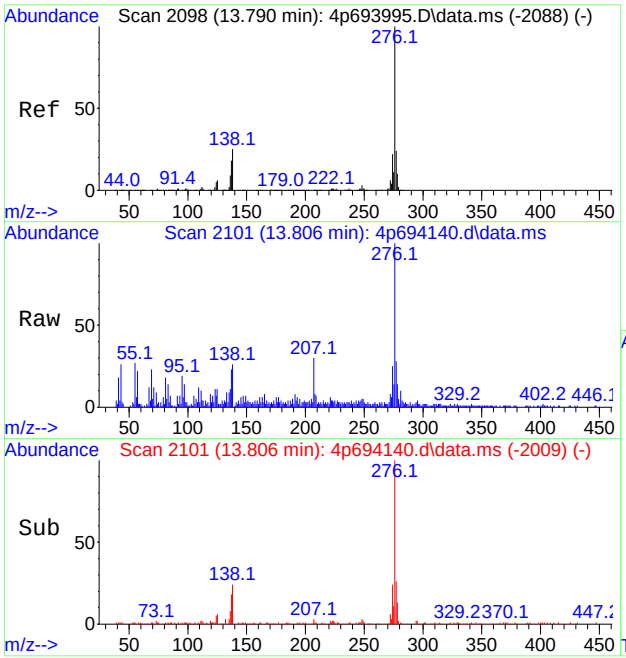


#97
Benzo[a]pyrene
Concen: 7.3332 ppm
RT: 12.497 min Scan# 1856
Delta R.T. -0.006 min
Lab File: 4p694140.d
Acq: 6 Dec 2024 11:33 am

Tgt Ion:252 Resp: 57985

Ion	Ratio	Lower	Upper
252	100		
253	23.1	0.0	52.0
125	10.5	0.0	43.3

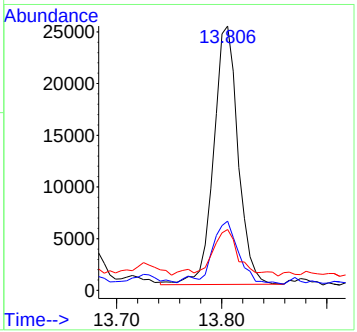


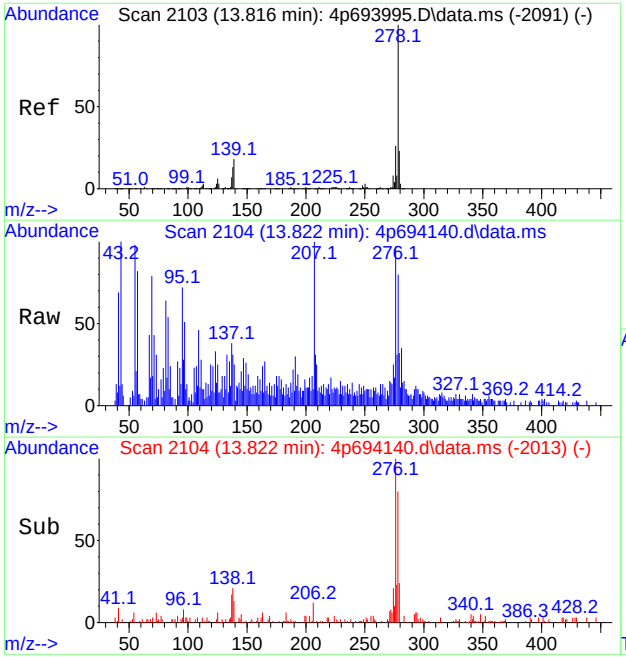


#98
Indeno[1,2,3-cd]pyrene
Concen: 3.8378 ppm
RT: 13.806 min Scan# 2101
Delta R.T. -0.011 min
Lab File: 4p694140.d
Acq: 6 Dec 2024 11:33 am

Tgt Ion:276 Resp: 40407

Ion	Ratio	Lower	Upper
276	100		
138	23.9	0.0	55.0
137	16.3	0.0	47.6

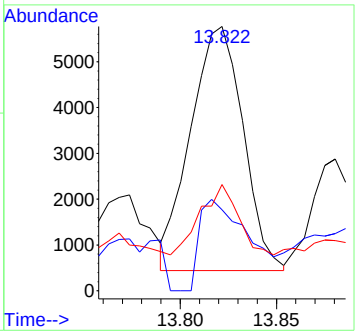


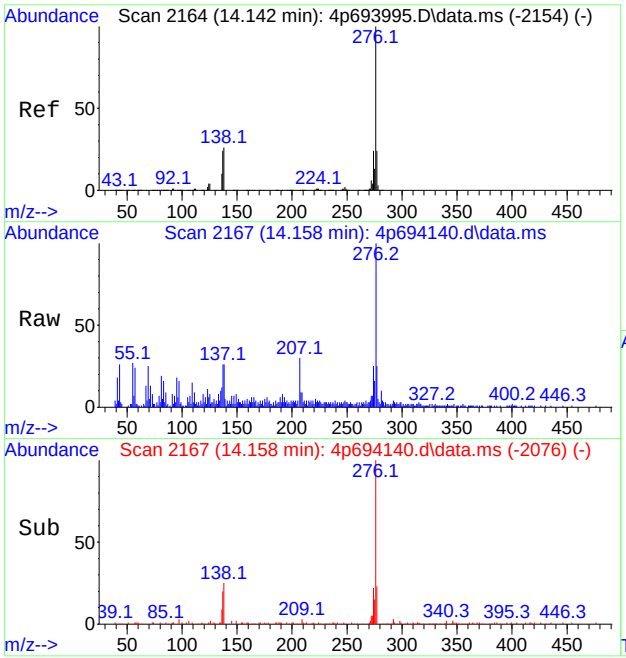


#100
Dibenz[a,h]anthracene
Concen: 1.1857 ppm
RT: 13.822 min Scan# 2104
Delta R.T. -0.016 min
Lab File: 4p694140.d
Acq: 6 Dec 2024 11:33 am

Tgt Ion:278 Resp: 10124

Ion	Ratio	Lower	Upper
278	100		
139	16.1	0.0	48.0
279	29.0	0.0	52.2

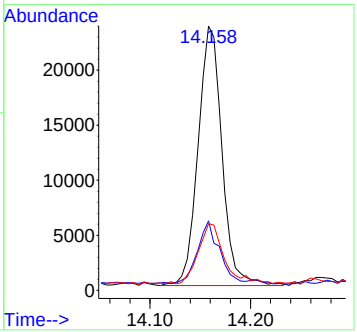




#102
Benzo[g,h,i]perylene
Concen: 4.9029 ppm
RT: 14.158 min Scan# 2167
Delta R.T. -0.016 min
Lab File: 4p694140.d
Acq: 6 Dec 2024 11:33 am

Tgt Ion:276 Resp: 39084

Ion	Ratio	Lower	Upper
276	100		
138	24.0	0.0	55.7
277	23.0	0.0	53.4



LSC Area Percent Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694140.d
Acq On : 6 Dec 2024 11:33 am
Operator : kaleigh
Sample : je1536-2
Misc : op59876,e4p3703,30.02,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.02 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 7

Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

Signal : TIC: 4p694140.d\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.370	515	522	532	rBV	931038	622469	62.40%	5.045%
2	5.830	603	608	613	rBV	17835	17874	1.79%	0.145%
3	6.086	652	656	663	rBV	806312	600721	60.22%	4.869%
4	6.497	728	733	737	rBV	27830	22350	2.24%	0.181%
5	6.610	745	754	764	rBV	960802	722720	72.45%	5.858%
6	6.855	795	800	807	rBV2	14227	21108	2.12%	0.171%
7	7.069	837	840	846	rVB2	19875	19769	1.98%	0.160%
8	7.288	876	881	891	rVB	264919	238252	23.88%	1.931%
9	7.406	898	903	912	rVB6	13915	24257	2.43%	0.197%
10	7.635	943	946	953	rBV7	12186	20684	2.07%	0.168%
11	7.838	976	984	994	rBV5	18057	27730	2.78%	0.225%
12	7.967	998	1008	1019	rBV	867161	851884	85.40%	6.905%
13	8.041	1019	1022	1026	rVB	45567	41554	4.17%	0.337%
14	8.212	1047	1054	1057	rBV2	16505	20059	2.01%	0.163%
15	8.490	1096	1106	1109	rBV2	27478	54745	5.49%	0.444%
16	8.522	1109	1112	1115	rVB3	26024	23487	2.35%	0.190%
17	8.554	1115	1118	1125	rBV2	79255	87532	8.77%	0.709%
18	8.608	1125	1128	1131	rBV	34112	32596	3.27%	0.264%
19	8.634	1131	1133	1141	rVB2	18672	21399	2.15%	0.173%
20	9.104	1214	1221	1224	rBV	19281	27494	2.76%	0.223%
21	9.195	1235	1238	1244	rVB5	16361	23587	2.36%	0.191%
22	9.275	1248	1253	1262	rBV	210001	211820	21.23%	1.717%
23	9.350	1262	1267	1271	rBV	66484	99022	9.93%	0.803%
24	9.382	1271	1273	1280	rVB	20376	24698	2.48%	0.200%
25	9.457	1280	1287	1296	rBV6	26913	55767	5.59%	0.452%
26	9.532	1296	1301	1306	rBV	206685	229450	23.00%	1.860%
27	9.681	1322	1329	1332	rBV3	14569	19871	1.99%	0.161%
28	9.724	1332	1337	1345	rBV	684027	691485	69.32%	5.604%
29	9.799	1345	1351	1356	rBV4	18084	31248	3.13%	0.253%
30	9.922	1364	1374	1379	rBV2	33028	70536	7.07%	0.572%
31	10.007	1380	1390	1394	rBV2	27187	48536	4.87%	0.393%
32	10.045	1394	1397	1405	rBV2	37080	48081	4.82%	0.390%
33	10.152	1413	1417	1420	rBV	21299	24593	2.47%	0.199%
34	10.184	1420	1423	1429	rBV	23051	25958	2.60%	0.210%
35	10.253	1429	1436	1438	rBV8	10997	21274	2.13%	0.172%
36	10.296	1438	1444	1454	rVB8	17153	33289	3.34%	0.270%
37	10.424	1463	1468	1474	rBV2	31913	48634	4.88%	0.394%
38	10.526	1480	1487	1494	rBV2	20652	37814	3.79%	0.306%
39	10.600	1494	1501	1505	rBV	40145	44352	4.45%	0.359%
40	10.648	1505	1510	1514	rBV2	26188	37485	3.76%	0.304%

LSC Area Percent Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694140.d
Acq On : 6 Dec 2024 11:33 am
Operator : kaleigh
Sample : je1536-2
Misc : op59876,e4p3703,30.02,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.02 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 7

Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

41	10.771	1531	1533	1538	rVB	17343	19208	1.93%	0.156%
42	10.851	1543	1548	1554	rBV5	53201	103790	10.40%	0.841%
43	10.958	1559	1568	1572	rBV	766828	997575	100.00%	8.085%
44	10.985	1572	1573	1583	rVB	119744	108417	10.87%	0.879%
45	11.076	1583	1590	1593	rBV2	29711	42793	4.29%	0.347%
46	11.124	1593	1599	1605	rBV5	29756	49755	4.99%	0.403%
47	11.241	1617	1621	1630	rBV8	24752	61959	6.21%	0.502%
48	11.306	1630	1633	1638	rVB7	13667	18262	1.83%	0.148%
49	11.391	1643	1649	1652	rBV7	33017	45777	4.59%	0.371%
50	11.428	1652	1656	1659	rVB	27494	32964	3.30%	0.267%
51	11.460	1659	1662	1669	rBV3	14668	23490	2.35%	0.190%
52	11.535	1669	1676	1679	rBV6	25093	46397	4.65%	0.376%
53	11.567	1679	1682	1684	rBV4	19873	22198	2.23%	0.180%
54	11.626	1688	1693	1699	rBV	162772	201389	20.19%	1.632%
55	11.674	1699	1702	1709	rVB8	18885	34425	3.45%	0.279%
56	11.738	1709	1714	1717	rBV7	10431	18858	1.89%	0.153%
57	11.802	1717	1726	1730	rBV3	62581	92255	9.25%	0.748%
58	11.888	1738	1742	1746	rBV7	13692	18144	1.82%	0.147%
59	11.931	1746	1750	1753	rBV5	16484	21028	2.11%	0.170%
60	12.000	1753	1763	1767	rBV9	36551	95397	9.56%	0.773%
61	12.048	1768	1772	1780	rBV8	16554	29044	2.91%	0.235%
62	12.155	1783	1792	1803	rBV2	159442	429941	43.10%	3.485%
63	12.262	1803	1812	1817	rBV2	43091	80528	8.07%	0.653%
64	12.337	1820	1826	1838	rBV2	156548	335348	33.62%	2.718%
65	12.438	1842	1845	1852	rVB	87644	99894	10.01%	0.810%
66	12.497	1852	1856	1861	rBV	146872	155448	15.58%	1.260%
67	12.556	1861	1867	1876	rBV	743034	890496	89.27%	7.217%
68	12.684	1881	1891	1893	rBV	16955	26278	2.63%	0.213%
69	12.721	1894	1898	1900	rBV4	19330	22385	2.24%	0.181%
70	12.764	1903	1906	1910	rVB6	18231	18345	1.84%	0.149%
71	12.828	1914	1918	1920	rBV5	25304	27782	2.78%	0.225%
72	12.860	1920	1924	1937	rVB3	133678	228444	22.90%	1.852%
73	12.951	1937	1941	1946	rBV4	37465	59557	5.97%	0.483%
74	13.068	1957	1963	1967	rBV4	88920	119789	12.01%	0.971%
75	13.175	1979	1983	1989	rVB7	37878	49802	4.99%	0.404%
76	13.229	1991	1993	1997	rVB5	16854	20485	2.05%	0.166%
77	13.271	1997	2001	2008	rBV2	99248	151243	15.16%	1.226%
78	13.357	2010	2017	2023	rBV2	38368	101480	10.17%	0.822%
79	13.421	2023	2029	2031	rBV7	14832	27597	2.77%	0.224%
80	13.496	2038	2043	2045	rVV6	30472	60102	6.02%	0.487%
81	13.539	2046	2051	2066	rVV8	57768	165035	16.54%	1.338%
82	13.667	2072	2075	2081	rVV7	23509	53145	5.33%	0.431%
83	13.726	2081	2086	2093	rVV2	111945	170958	17.14%	1.386%
84	13.806	2095	2101	2116	rVV2	67242	149638	15.00%	1.213%
85	13.913	2116	2121	2124	rBV7	12737	19793	1.98%	0.160%

LSC Area Percent Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694140.d
Acq On : 6 Dec 2024 11:33 am
Operator : kaleigh
Sample : je1536-2
Misc : op59876,e4p3703,30.02,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.02 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 7

Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

86	13.971	2125	2132	2136	rVV5	47370	88735	8.90%	0.719%
87	14.009	2136	2139	2142	rVV4	19908	27955	2.80%	0.227%
88	14.116	2155	2159	2163	rVV7	32931	64420	6.46%	0.522%
89	14.158	2163	2167	2173	rVV	65858	116480	11.68%	0.944%
90	14.201	2173	2175	2178	rVV4	17701	20416	2.05%	0.165%
91	14.303	2185	2194	2206	rVV5	156024	399599	40.06%	3.239%
92	14.388	2206	2210	2219	rVV10	37174	87888	8.81%	0.712%
93	14.457	2219	2223	2228	rVB8	25261	44468	4.46%	0.360%
94	14.612	2246	2252	2264	rVB8	36840	92455	9.27%	0.749%
95	14.725	2268	2273	2282	rVB8	50214	108575	10.88%	0.880%
96	14.847	2284	2296	2304	rVB7	41504	105041	10.53%	0.851%
97	14.917	2304	2309	2321	rVB7	29737	74558	7.47%	0.604%
98	15.104	2337	2344	2351	rBV2	92356	184373	18.48%	1.494%
99	15.259	2372	2373	2379	rVB6	22408	30944	3.10%	0.251%
100	15.323	2379	2385	2387	rBV7	11605	19318	1.94%	0.157%

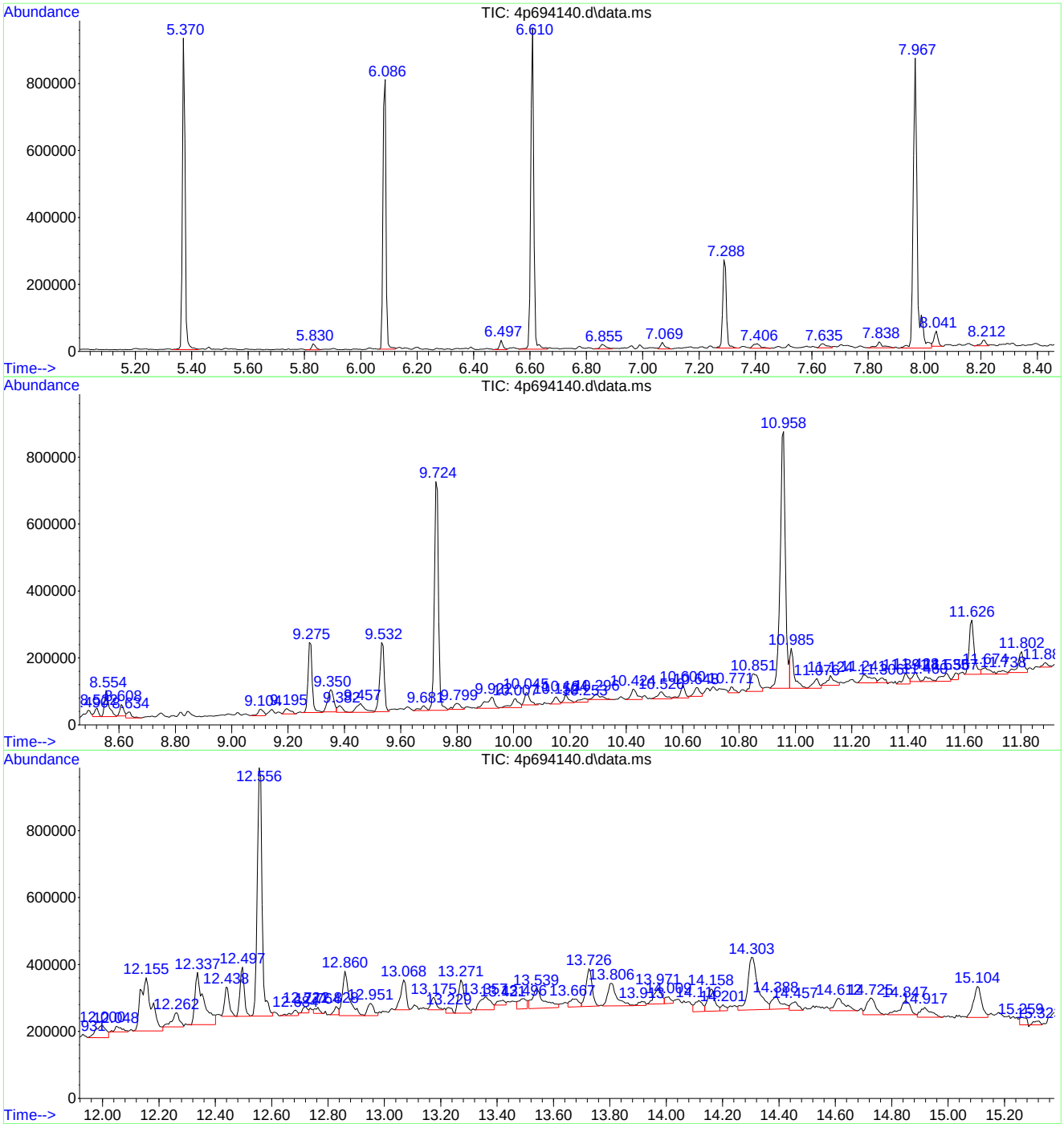
Sum of corrected areas: 12338047

LSC Report - Integrated Chromatogram

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694140.d
Acq On : 6 Dec 2024 11:33 am
Operator : kaleigh
Sample : je1536-2
Misc : op59876,e4p3703,30.02,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P



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Acq On : 6 Dec 2024 11:33 am
Operator : kaleigh
Sample : je1536-2
Misc : op59876,e4p3703,30.02,,,1,1
ALS Vial : 7 Sample Multiplier: 1

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Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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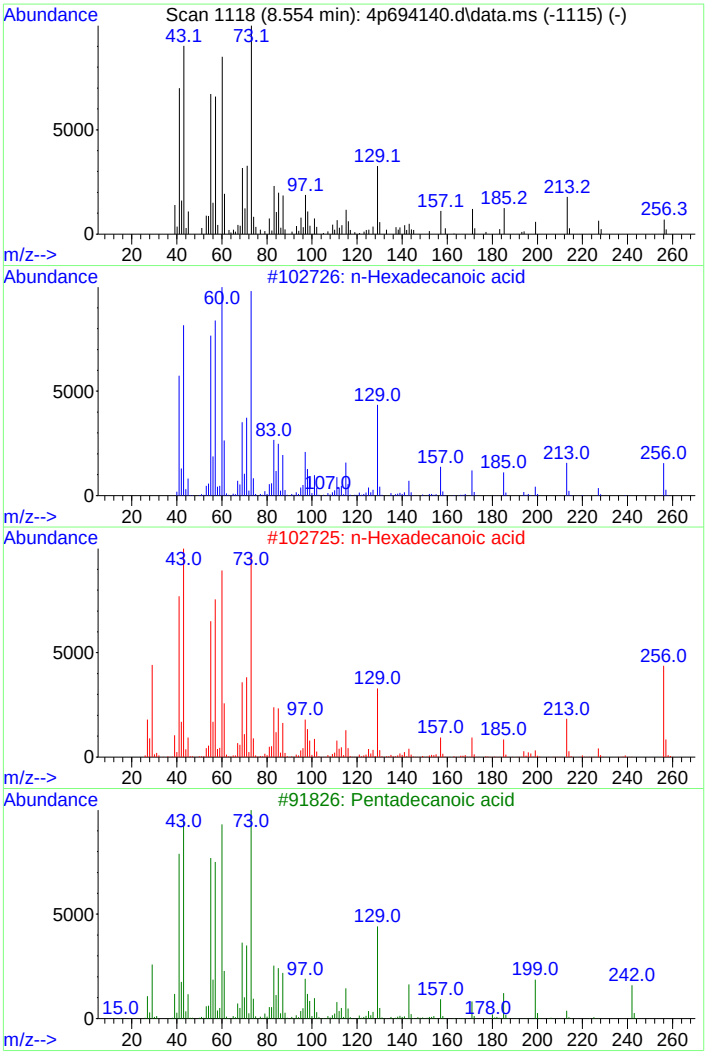
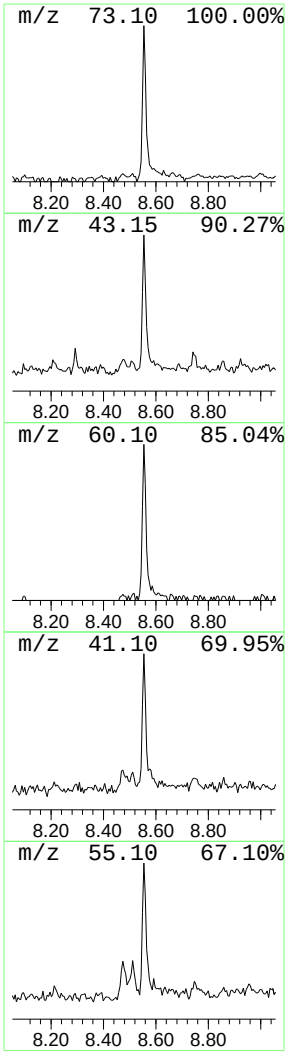
Peak Number 1 n-Hexadecanoic acid Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.554	4.11 ppm	87532	Phenanthrene-d10a	7.967

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	90
5	Tridecanoic acid	214	C13H26O2	000638-53-9	87





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Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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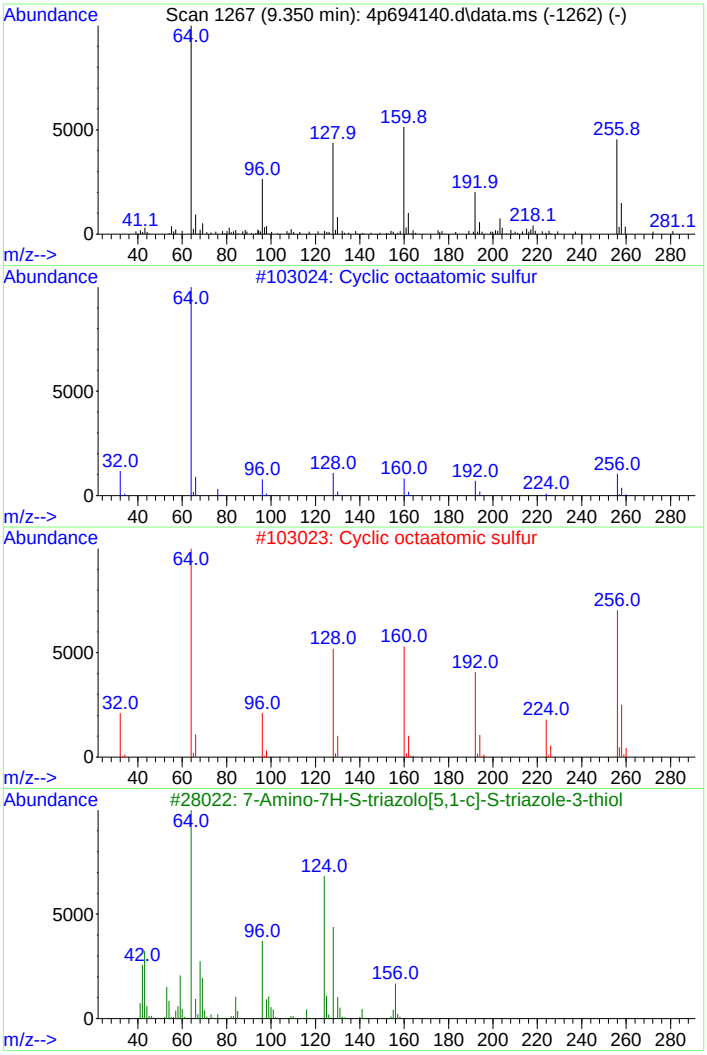
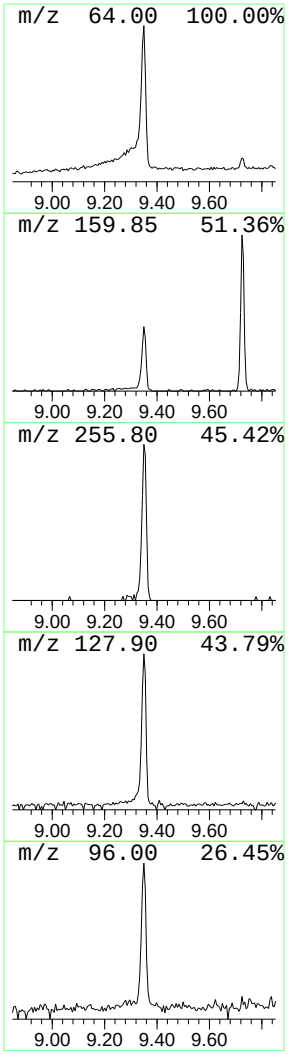
Peak Number 2 Cyclic octaatomic sulfur Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.350	4.65 ppm	99022	Phenanthrene-d10a	7.967

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclic octaatomic sulfur	256	S8	010544-50-0	91
2	Cyclic octaatomic sulfur	256	S8	010544-50-0	55
3	7-Amino-7H-S-triazolo[5,1-c]-S-t...	156	C3H4N6S	013728-28-4	45
4	Methanethiol, N-(p-methoxyphenet...	304	C11H16N2O4S2	040283-94-1	33
5	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	9





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Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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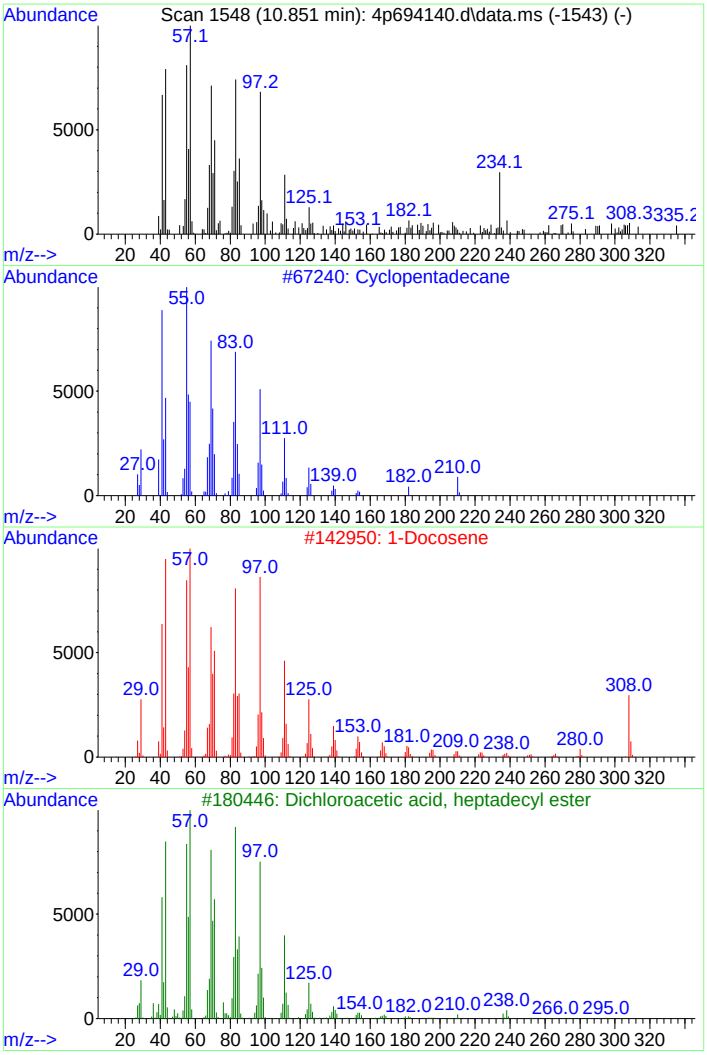
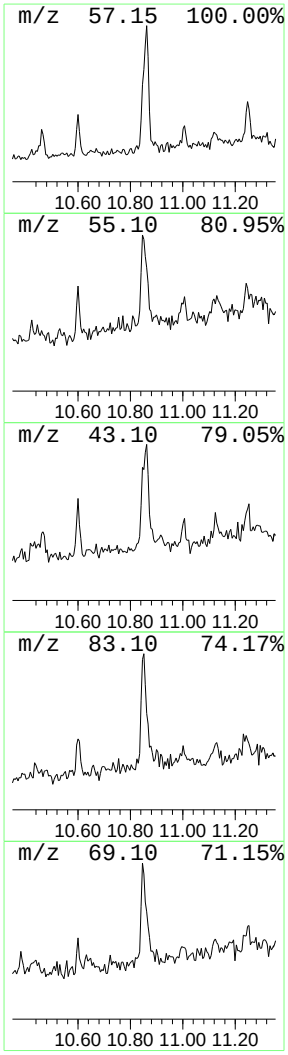
Peak Number 3 Unknown Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.851	4.16 ppm	103790	Chrysene-d12	10.958

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentadecane	210	C15H30	000295-48-7	93
2	1-Docosene	308	C22H44	001599-67-3	91
3	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	90
4	Behenic alcohol	326	C22H46O	000661-19-8	90
5	E-14-Hexadecenal	238	C16H30O	330207-53-9	90





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Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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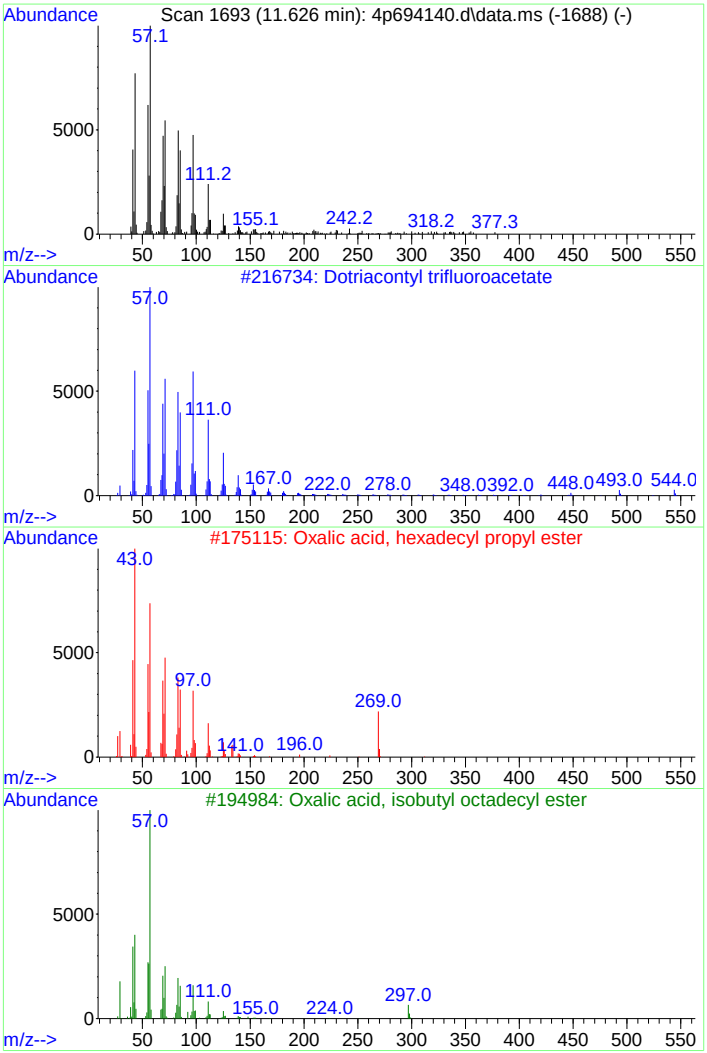
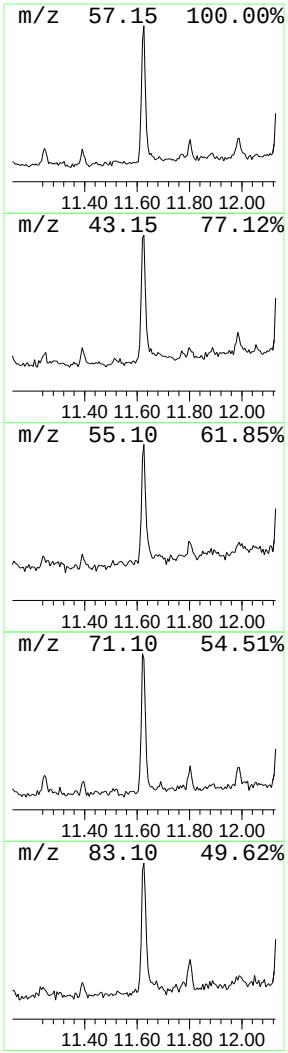
Peak Number 4 Unknown Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.626	8.08 ppm	201389	Chrysene-d12b	10.958

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dotriacontyl trifluoroacetate	562	C34H65F3O2	1000351-75-4	91
2	Oxalic acid, hexadecyl propyl ester	356	C21H40O4	1000309-26-9	91
3	Oxalic acid, isobutyl octadecyl ...	398	C24H46O4	1000309-38-3	91
4	Tricosyl heptafluorobutyrate	536	C27H47F7O2	1000351-83-4	87
5	Eicosyl trifluoroacetate	394	C22H41F3O2	1000351-75-2	87





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Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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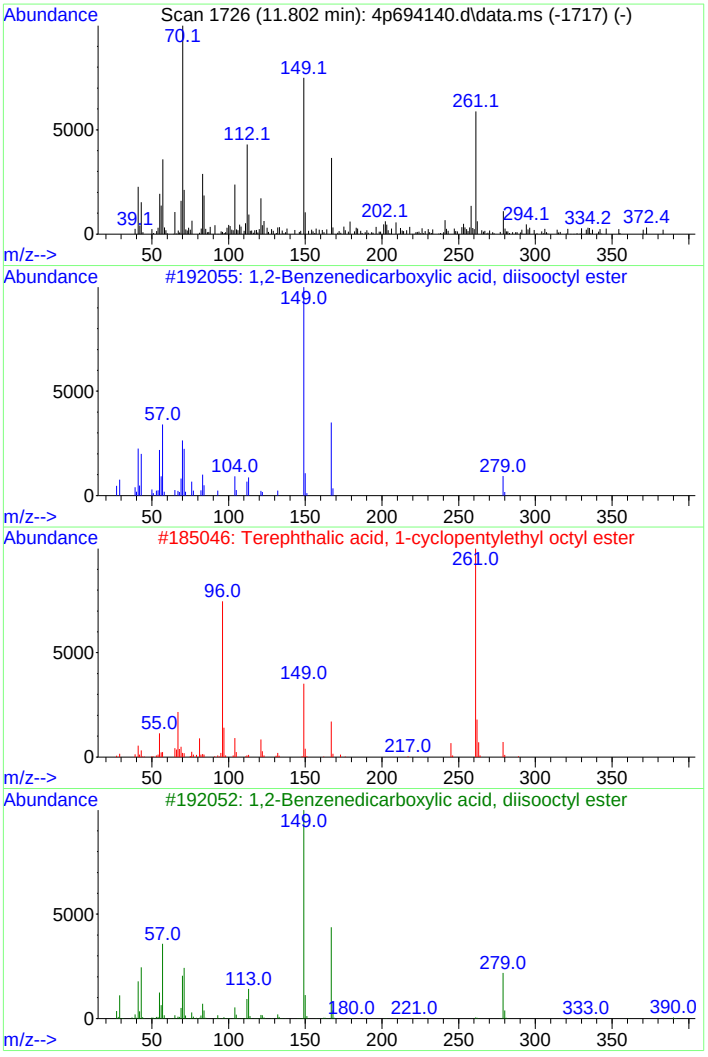
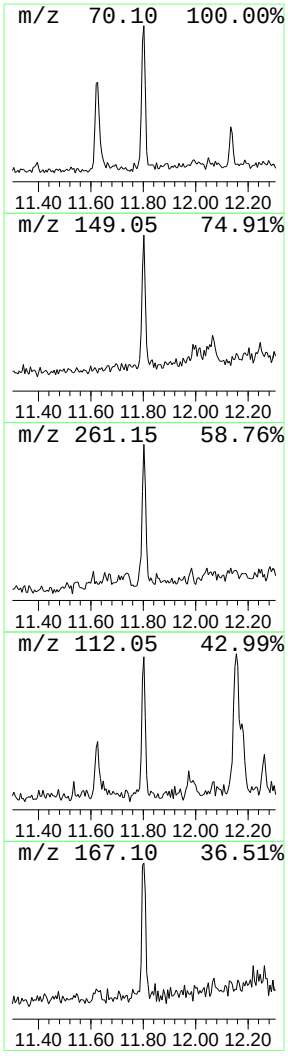
Peak Number 5 Unknown Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.802	4.14 ppm	92255	Perylene-d12	12.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenedicarboxylic acid, di...	390	C24H38O4	027554-26-3	38
2	Terephthalic acid, 1-cyclopentyl...	374	C23H34O4	1000323-84-1	35
3	1,2-Benzenedicarboxylic acid, di...	390	C24H38O4	027554-26-3	27
4	Di-n-octyl phthalate	390	C24H38O4	000117-84-0	25
5	Phthalic acid, 4-isopropylphenyl...	396	C25H32O4	1000315-66-5	22





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Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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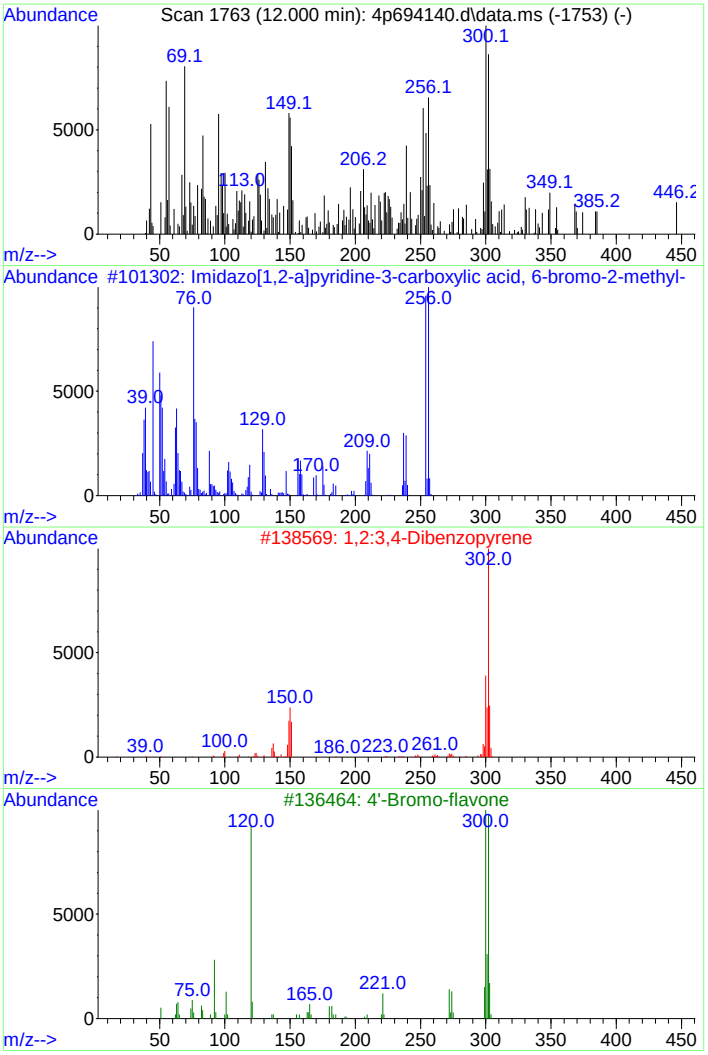
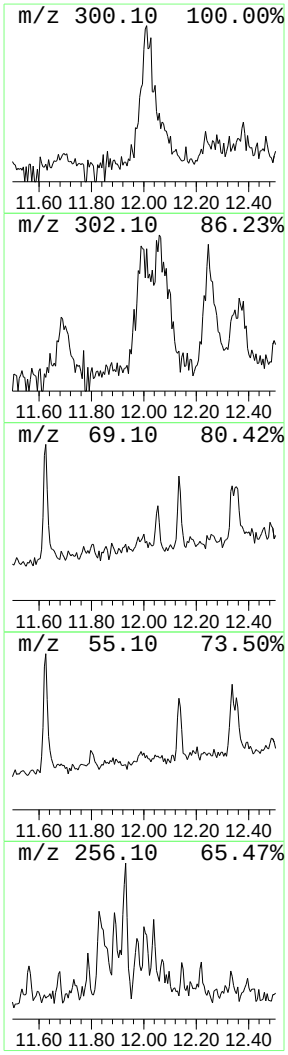
Peak Number 6 Unknown Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.000	4.29 ppm	95397	Perylene-d12	12.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Imidazo[1,2-a]pyridine-3-carboxy...	254	C9H7BrN2O2	1000351-44-6	90
2	1,2:3,4-Dibenzopyrene	302	C24H14	000191-30-0	47
3	4'-Bromo-flavone	300	C15H9BrO2	020525-20-6	43
4	(Z)-1-Bromo-2,4-dimethoxy-5-(2-n...	301	C11H12BrNO4	037162-75-7	35
5	Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	25





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Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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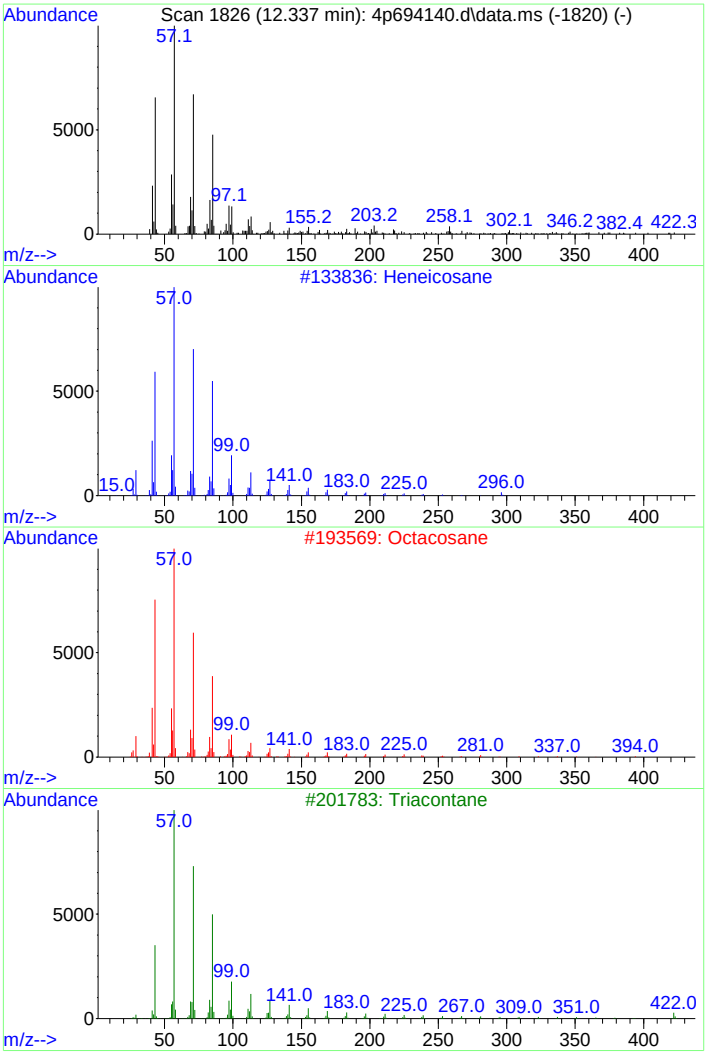
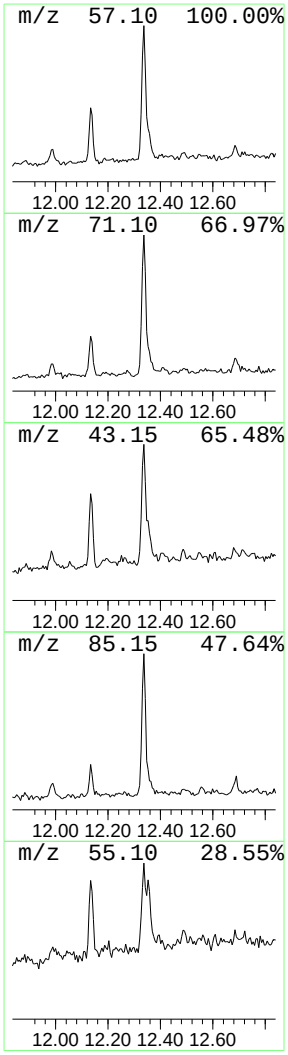
Peak Number 7 Alkane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.337	15.06 ppm	335348	Perylene-d12	12.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	95
2	Octacosane	394	C28H58	000630-02-4	94
3	Triacontane	422	C30H62	000638-68-6	93
4	Heptacosane, 1-chloro-	414	C27H55Cl	062016-79-9	87
5	Hexatriacontane	507	C36H74	000630-06-8	83





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Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
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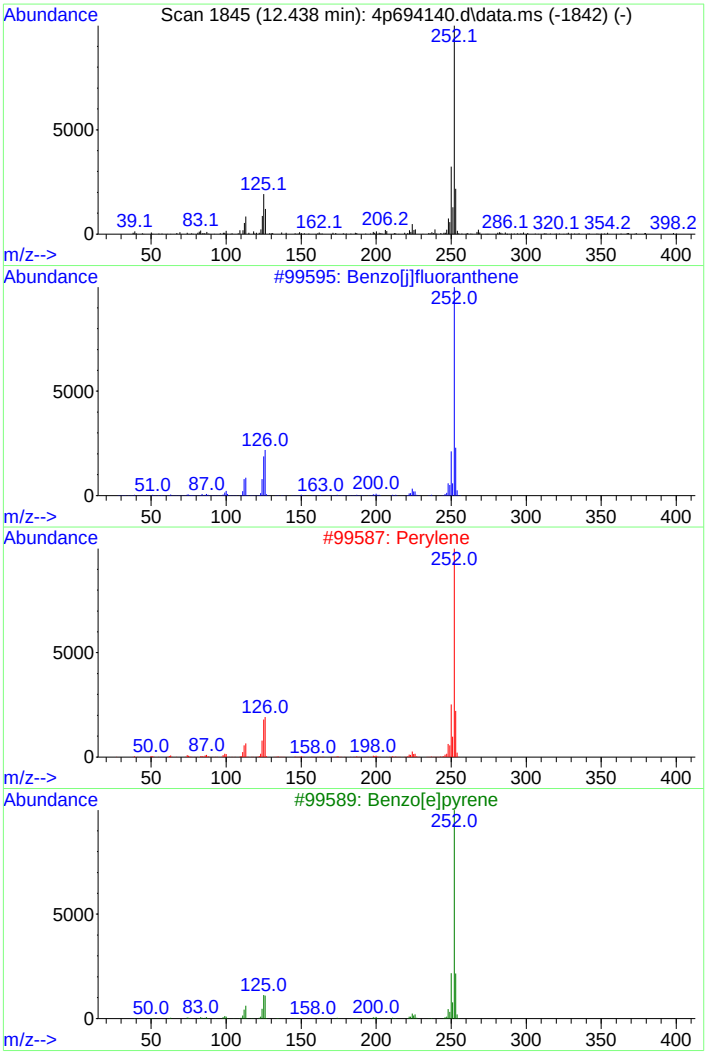
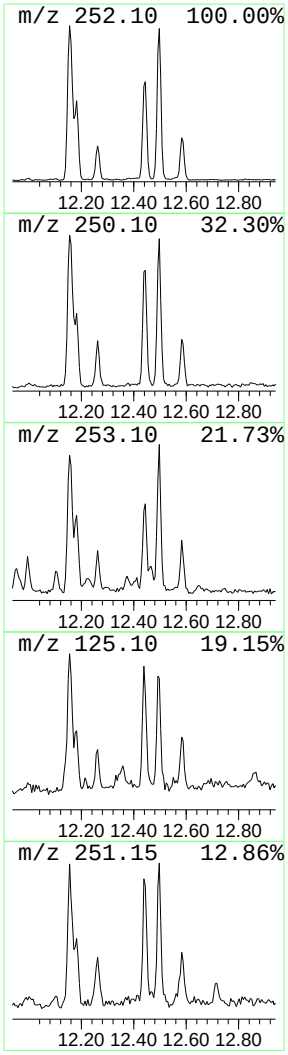
Peak Number 8 Unknown PAH substance Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.438	4.49 ppm	99894	Perylene-d12	12.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
2	Perylene	252	C20H12	000198-55-0	93
3	Benzo[e]pyrene	252	C20H12	000192-97-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	89
5	Perylene	252	C20H12	000198-55-0	89





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Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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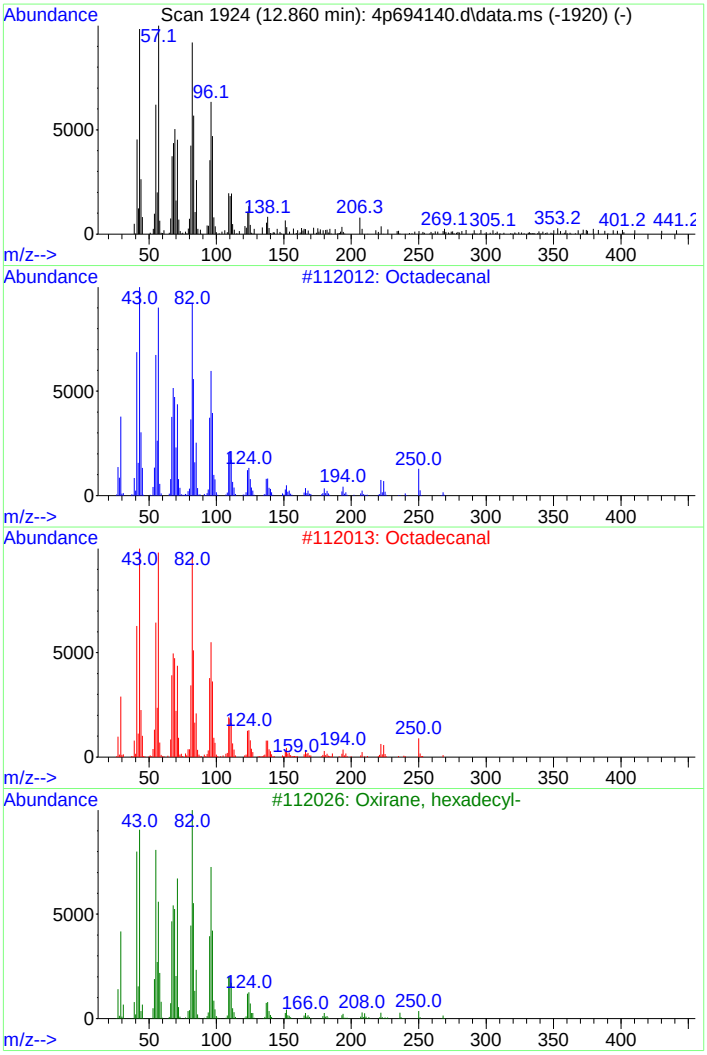
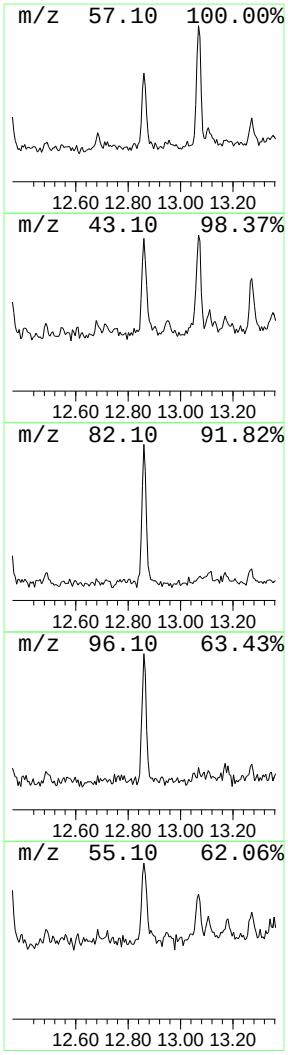
Peak Number 9 Oxirane, hexadecyl Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.860	10.26 ppm	228444	Perylene-d12	12.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanal	268	C18H36O	000638-66-4	96
2	Octadecanal	268	C18H36O	000638-66-4	96
3	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	94
4	1,19-Eicosadiene	278	C20H38	014811-95-1	94
5	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	93





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Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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Peak Number 10 Alkane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.069	5.38 ppm	119789	Perylene-d12	12.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane, 5,14-dibutyl-	366	C26H54	055282-13-8	93
2	Docosane, 11-butyl-	366	C26H54	013475-76-8	90
3	Tricosane, 2-methyl-	338	C24H50	001928-30-9	90
4	Docosane, 5-butyl-	366	C26H54	055282-16-1	90
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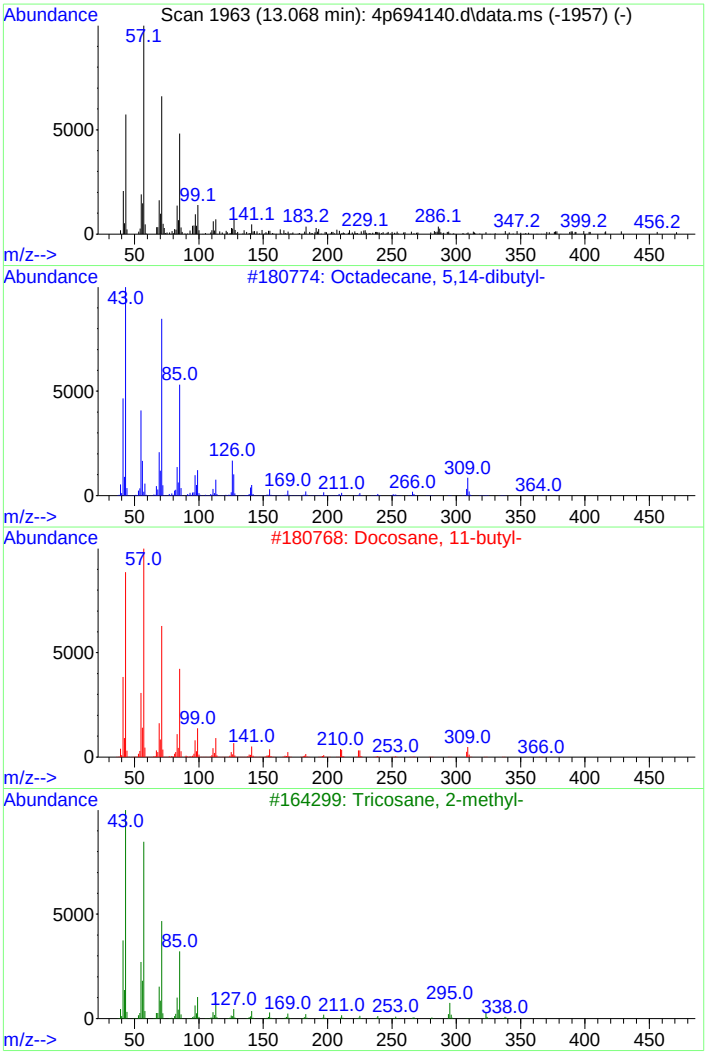

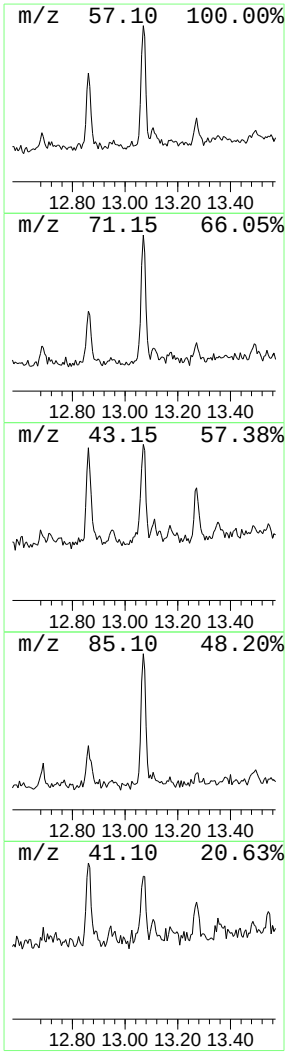

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Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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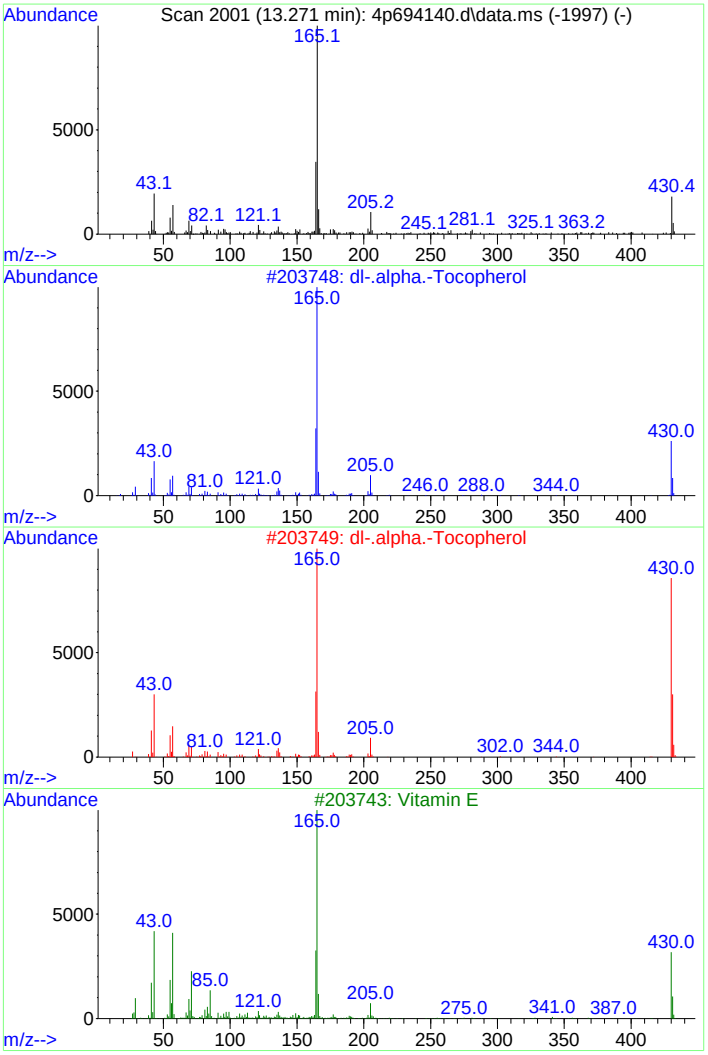
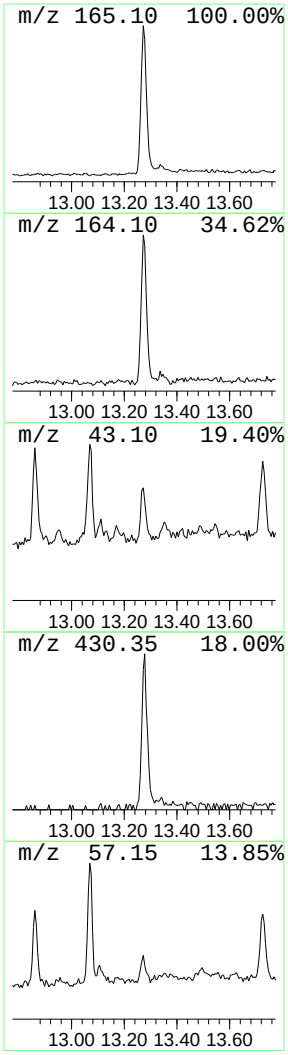
Peak Number 11 Vitamin E Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.272	6.79 ppm	151243	Perylene-d12	12.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	dl-.alpha.-Tocopherol	430	C29H50O2	010191-41-0	97
2	dl-.alpha.-Tocopherol	430	C29H50O2	010191-41-0	94
3	Vitamin E	430	C29H50O2	000059-02-9	94
4	Vitamin E	430	C29H50O2	000059-02-9	94
5	Vitamin E	430	C29H50O2	000059-02-9	93





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ALS Vial : 7 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

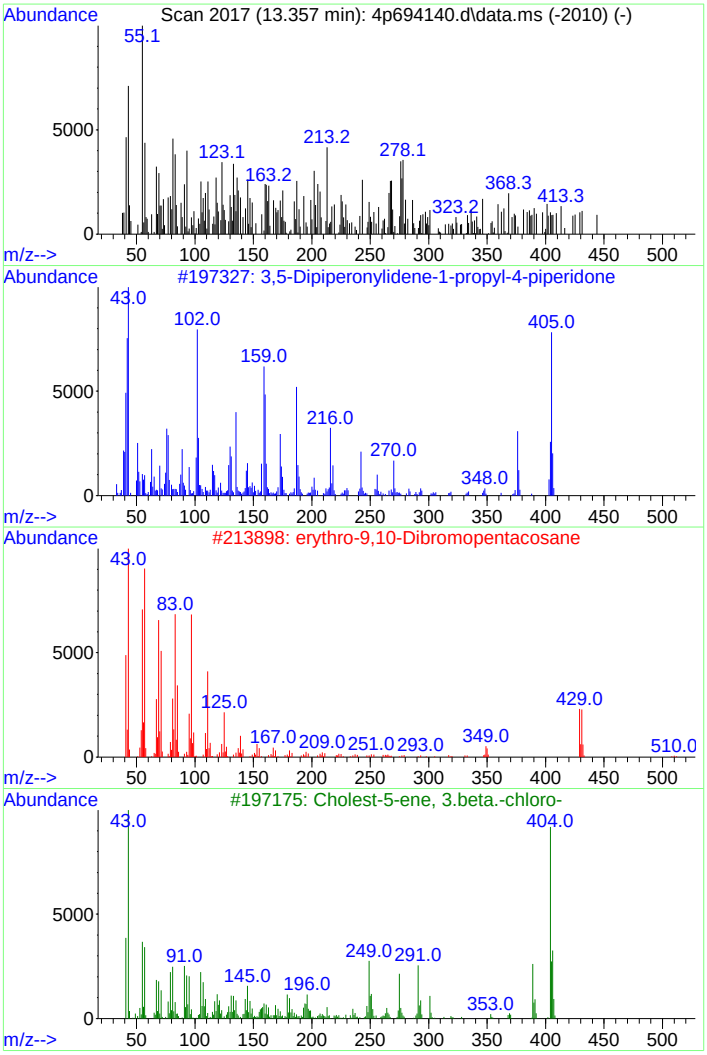
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

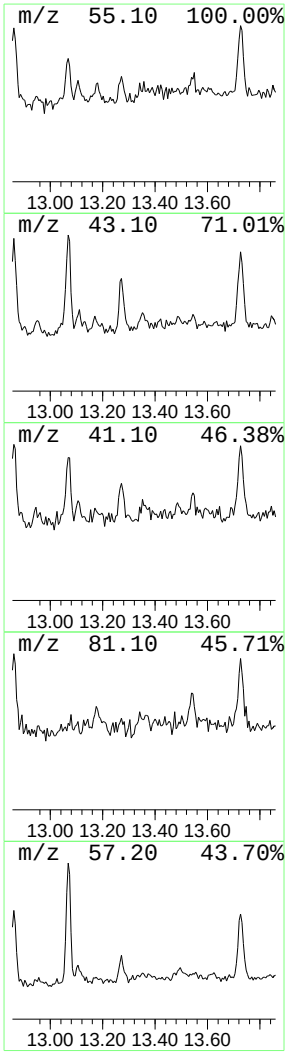
****

Peak Number 12 Unknown Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.357	4.56 ppm	101480	Perylene-d12	12.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Dipiperonylidene-1-propyl-4-...	405	C24H23NO5	331839-37-3	10
2	erythro-9,10-Dibromopentacosane	508	C25H50Br2	059907-02-7	9
3	Cholest-5-ene, 3.beta.-chloro-	404	C27H45Cl	000910-31-6	7
4	3Beta-chloro-5alpha-cholestane-5...	480	C29H49ClO3	014150-17-5	6
5	9-Chloro-4,5-dihydro-4-[4-[trifl...	446	C22H14ClF3N2O3	1000212-71-5	2





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694140.d
Acq On : 6 Dec 2024 11:33 am
Operator : kaleigh
Sample : je1536-2
Misc : op59876,e4p3703,30.02,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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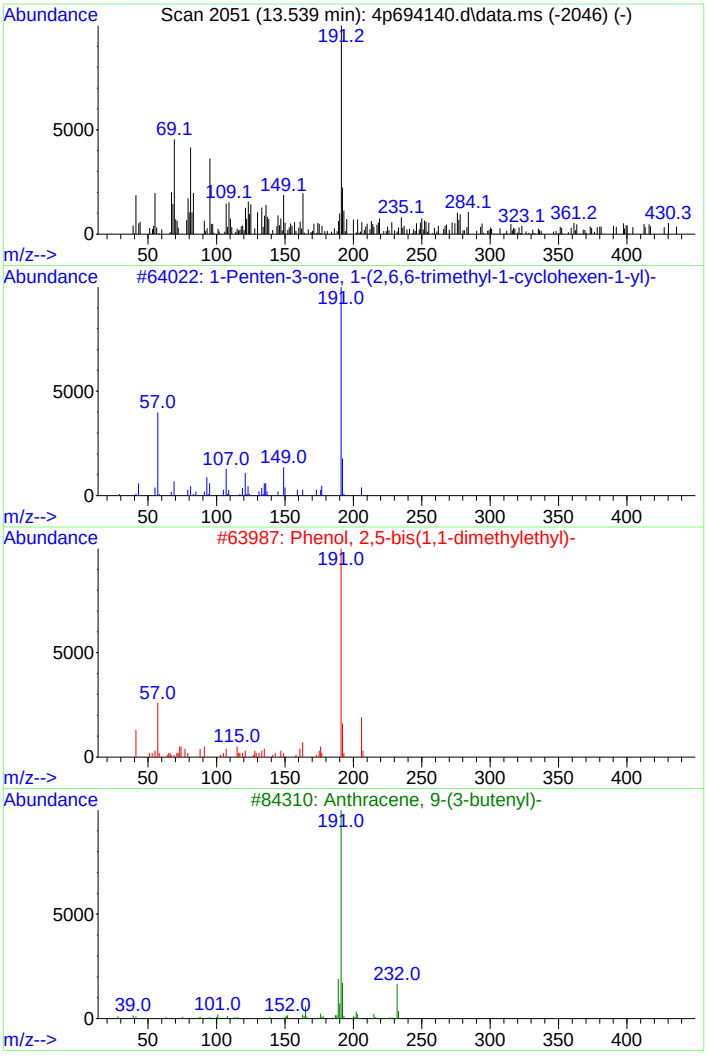
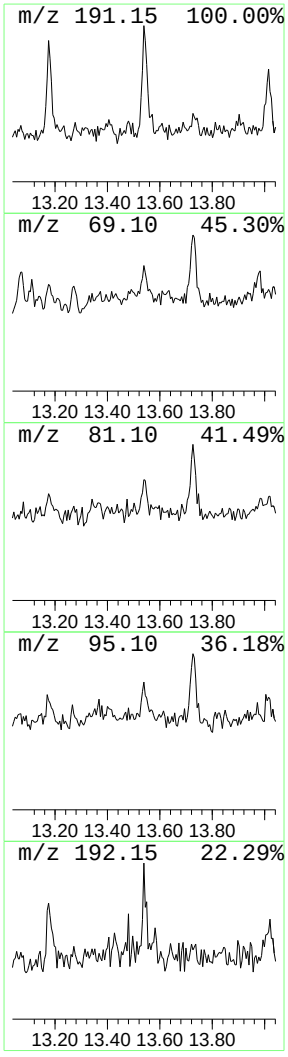
Peak Number 13 Unknown Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.539	7.41 ppm	165035	Perylene-d12	12.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	64
2	Phenol, 2,5-bis(1,1-dimethylethyl)-	206	C14H22O	005875-45-6	52
3	Anthracene, 9-(3-butenyl)-	232	C18H16	097451-55-3	50
4	Nicotinamide, 6-(morpholin-4-yl)...	351	C17H16F3N3O2	1000311-09-0	50
5	Phenol, 3,5-bis(1,1-dimethylethyl)-	206	C14H22O	001138-52-9	47





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694140.d
Acq On : 6 Dec 2024 11:33 am
Operator : kaleigh
Sample : je1536-2
Misc : op59876,e4p3703,30.02,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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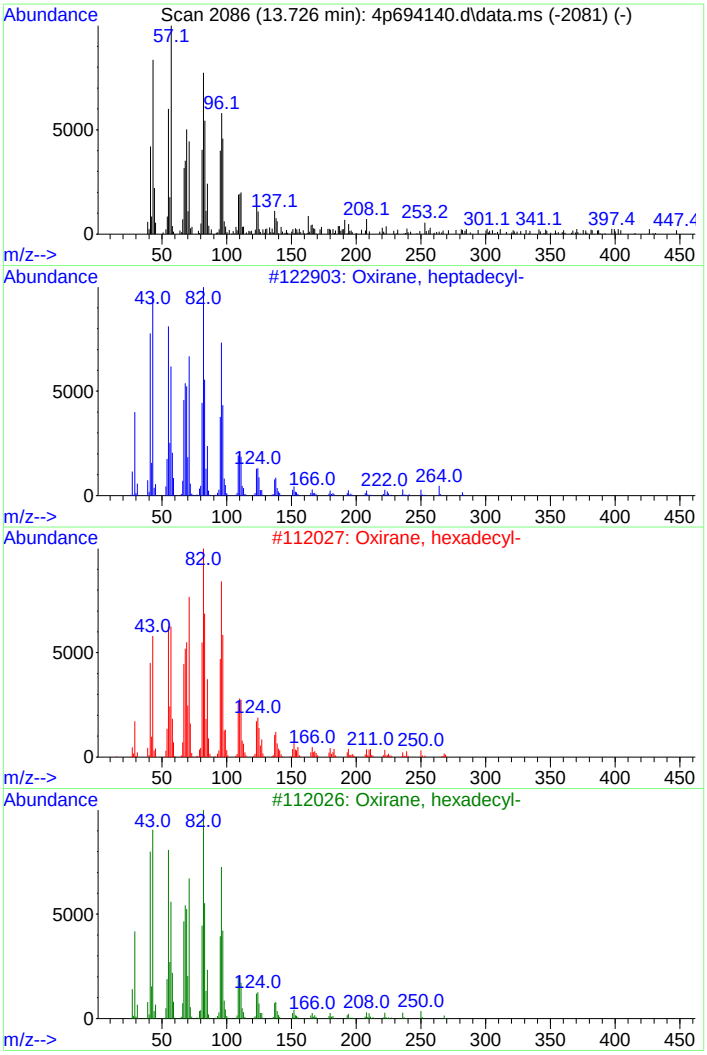
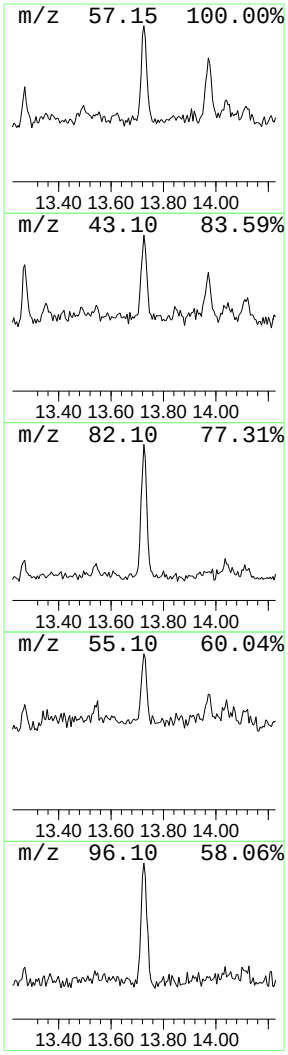
Peak Number 14 Unknown Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.726	7.68 ppm	170958	Perylene-d12	12.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, heptadecyl-	282	C19H38O	067860-04-2	93
2	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	91
3	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	87
4	Octadecanal	268	C18H36O	000638-66-4	83
5	E-9-Tetradecen-1-ol formate	240	C15H28O2	1000130-78-2	78





Library Search Compound Report

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Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694140.d
Acq On    :  6 Dec 2024  11:33 am
Operator  : kaleigh
Sample    : je1536-2
Misc      : op59876,e4p3703,30.02,,,1,1
ALS Vial  : 7   Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title  : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library   : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

**********************************************************************
Peak Number 15  Sitosterol                      Concentration Rank  1
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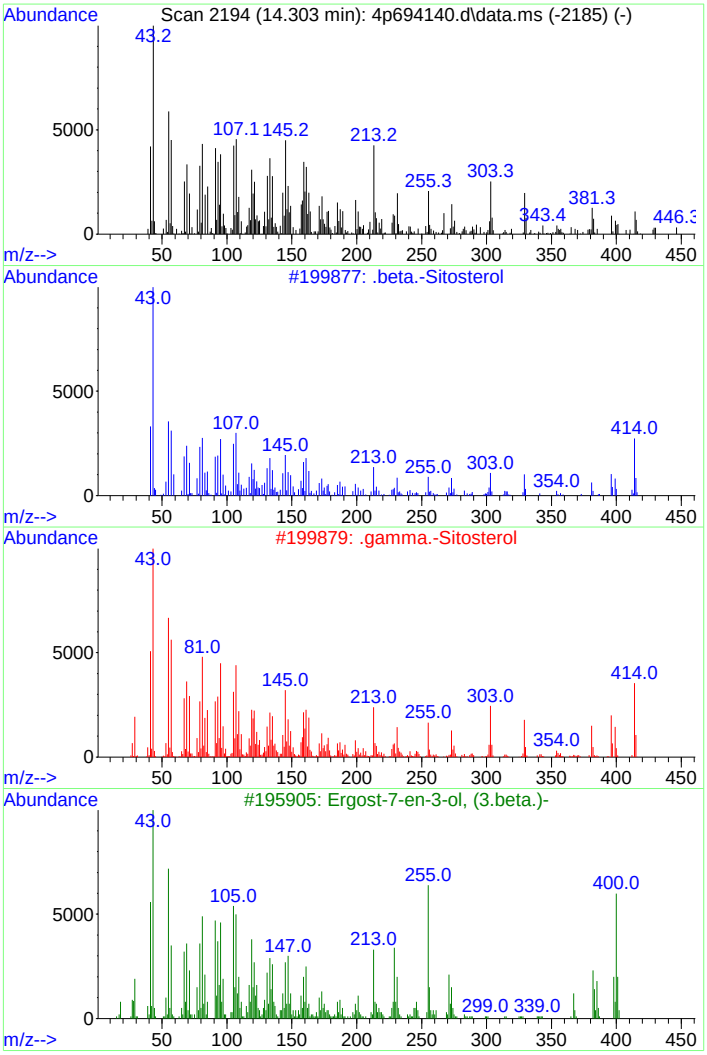
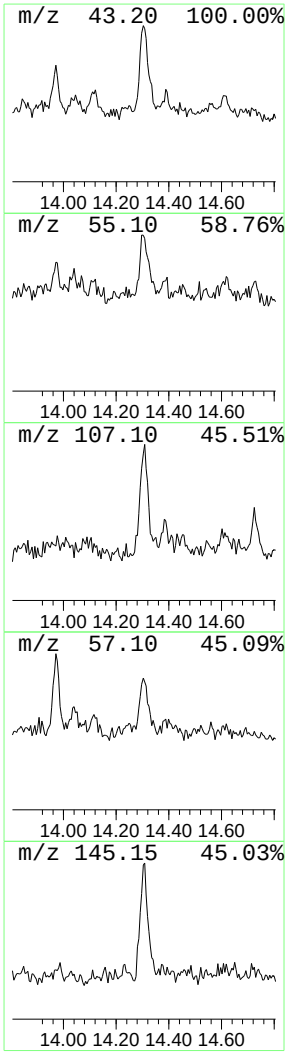
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.303	17.95 ppm	399599	Perylene-d12	12.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Sitosterol	414	C29H50O	000083-46-5	91
2	.gamma.-Sitosterol	414	C29H50O	000083-47-6	89
3	Ergost-7-en-3-ol, (3.beta.)-	400	C28H48O	026047-31-4	51
4	.gamma.-Sitosterol	414	C29H50O	000083-47-6	37
5	Clionasterol acetate	456	C31H52O2	004651-54-1	36





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694140.d
Acq On : 6 Dec 2024 11:33 am
Operator : kaleigh
Sample : je1536-2
Misc : op59876,e4p3703,30.02,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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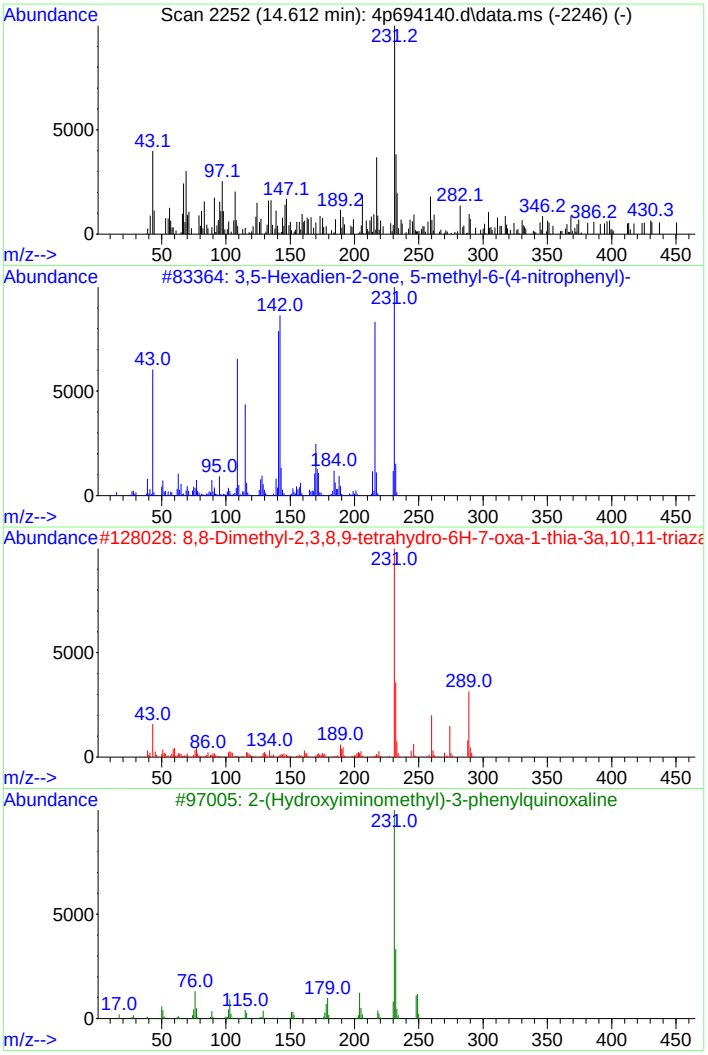
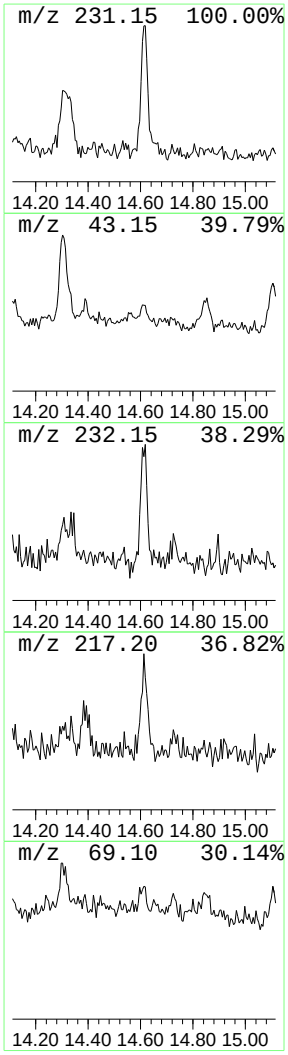
Peak Number 16 Unknown Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.612	4.15 ppm	92455	Perylene-d12	12.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Hexadien-2-one, 5-methyl-6-(...	231	C13H13NO3	055191-23-6	58
2	8,8-Dimethyl-2,3,8,9-tetrahydro-...	289	C14H15N3O2S	1000258-95-0	42
3	2-(Hydroxyiminomethyl)-3-phenylq...	249	C15H11N3O	1000241-39-2	42
4	2-Acetyl-3-(1-methyl-2-pyrrolyl)...	231	C13H13NO3	1000326-75-5	42
5	Cyclopentane-3-carboxylic acid, ...	350	C23H26O3	1000157-91-7	38





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694140.d
Acq On : 6 Dec 2024 11:33 am
Operator : kaleigh
Sample : je1536-2
Misc : op59876,e4p3703,30.02,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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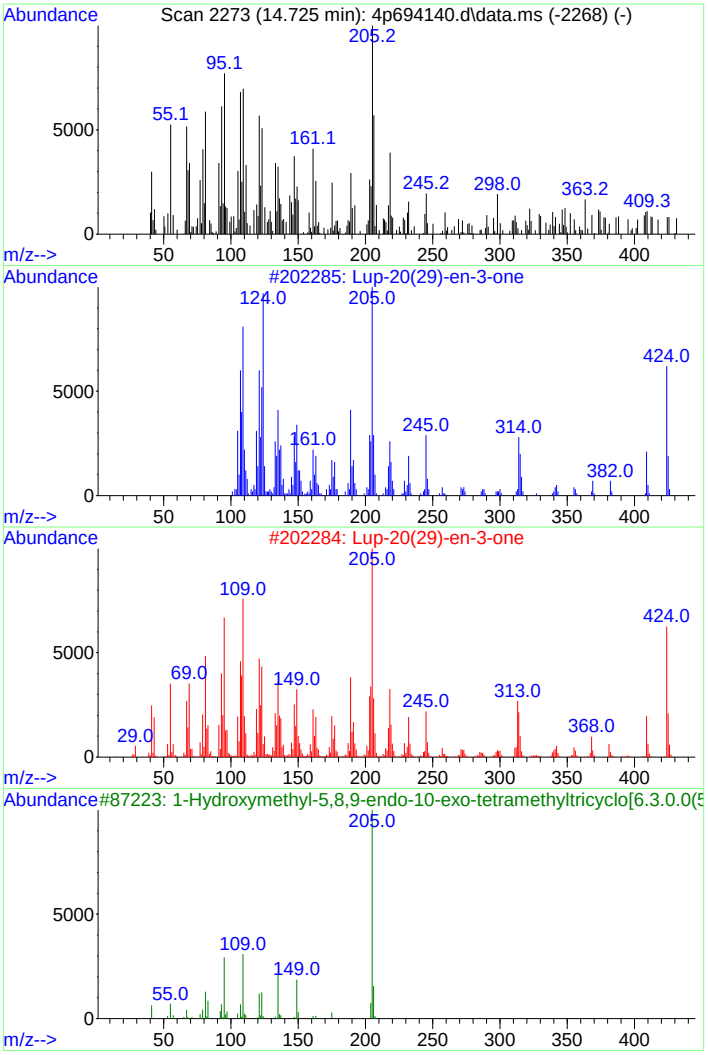
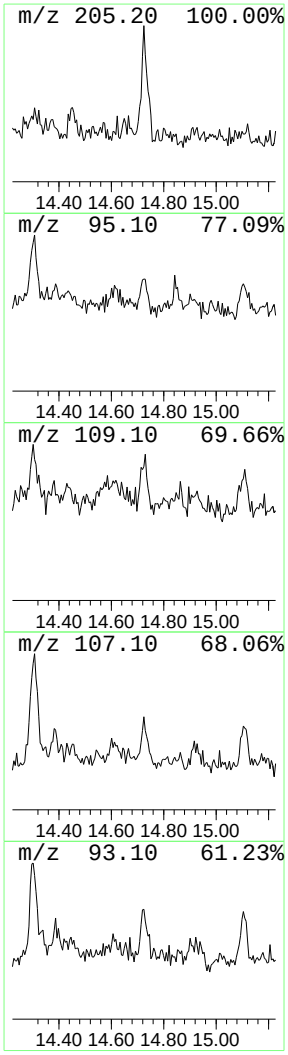
Peak Number 17 Unknown Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.725	4.88 ppm	108575	Perylene-d12	12.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Lup-20(29)-en-3-one	424	C30H48O	001617-70-5	70
2	Lup-20(29)-en-3-one	424	C30H48O	001617-70-5	68
3	1-Hydroxymethyl-5,8,9-endo-10-ex...	236	C16H28O	1000140-32-9	38
4	2-Butenal, 2-methyl-4-(2,6,6-tri...	206	C14H22O	003155-71-3	25
5	But-3-enal, 2-methyl-4-(2,6,6-tr...	206	C14H22O	104900-59-6	25





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694140.d
Acq On : 6 Dec 2024 11:33 am
Operator : kaleigh
Sample : je1536-2
Misc : op59876,e4p3703,30.02,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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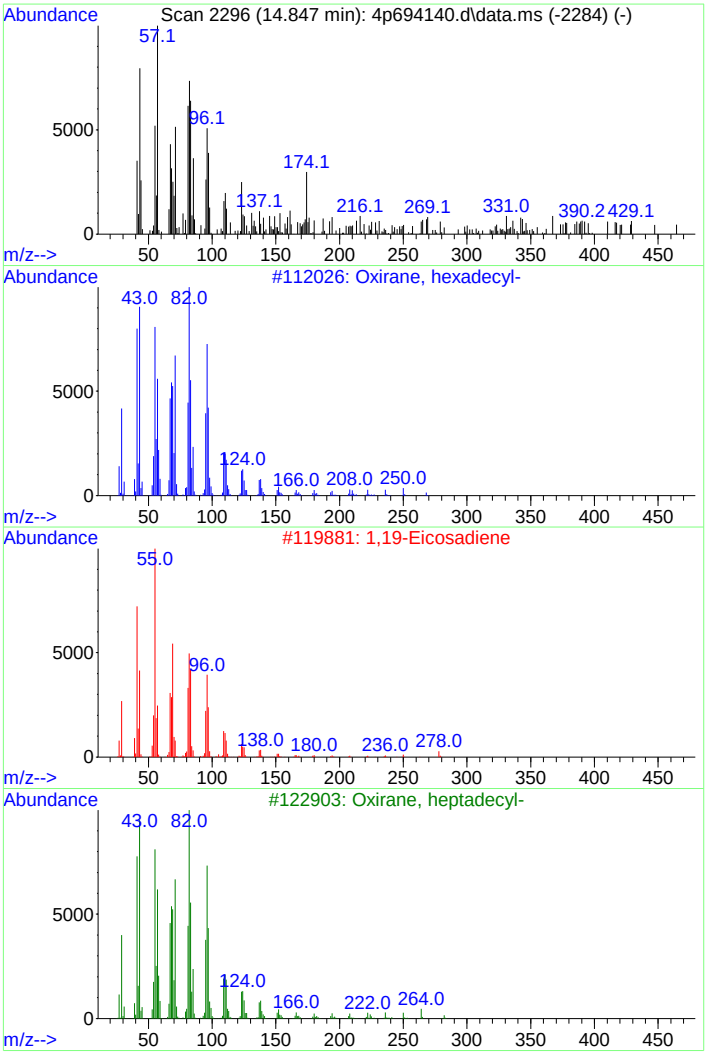
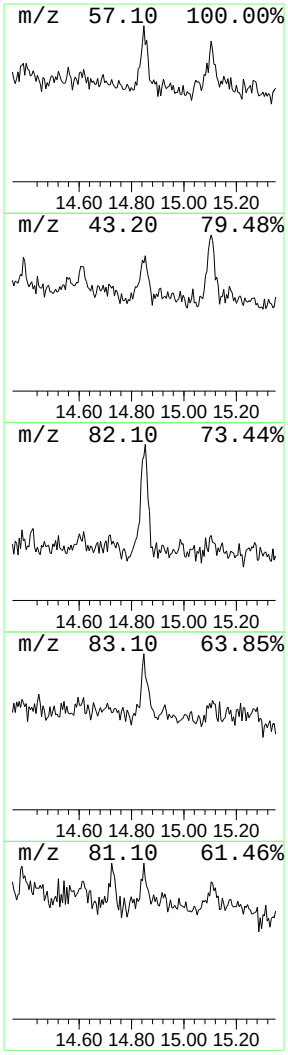
Peak Number 18 Unknown Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.847	4.72 ppm	105041	Perylene-d12	12.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	74
2	1,19-Eicosadiene	278	C20H38	014811-95-1	72
3	Oxirane, heptadecyl-	282	C19H38O	067860-04-2	72
4	E-10-Methyl-11-tetradecen-1-ol a...	268	C17H32O2	1000130-79-0	62
5	1-Eicosyne	278	C20H38	000765-27-5	58





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694140.d
Acq On : 6 Dec 2024 11:33 am
Operator : kaleigh
Sample : je1536-2
Misc : op59876,e4p3703,30.02,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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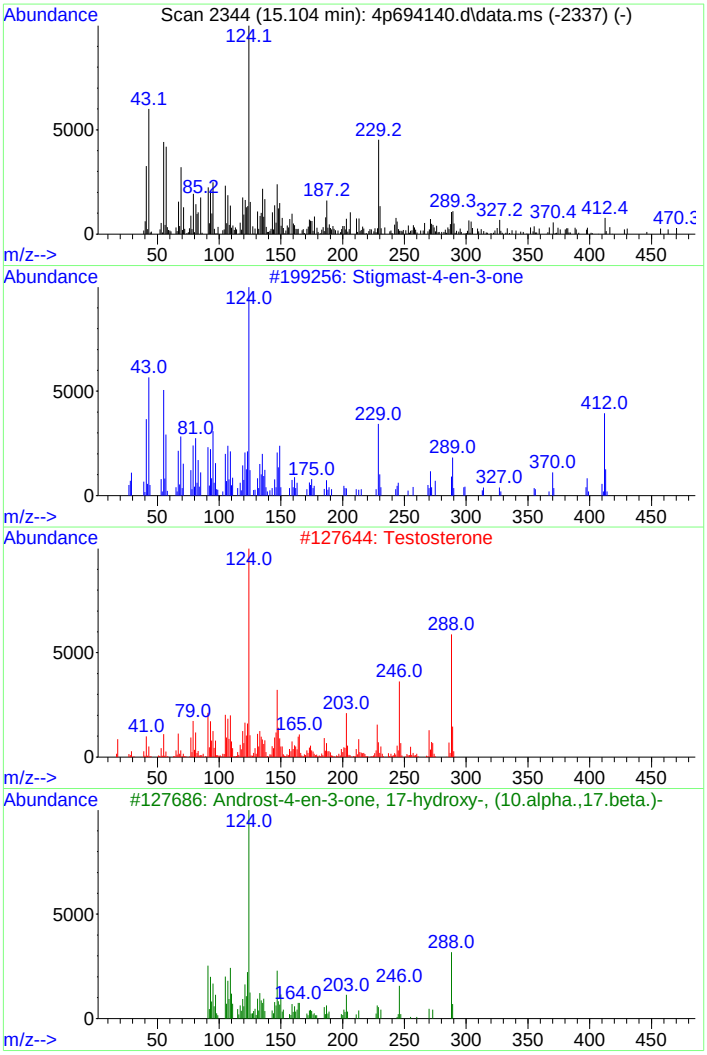
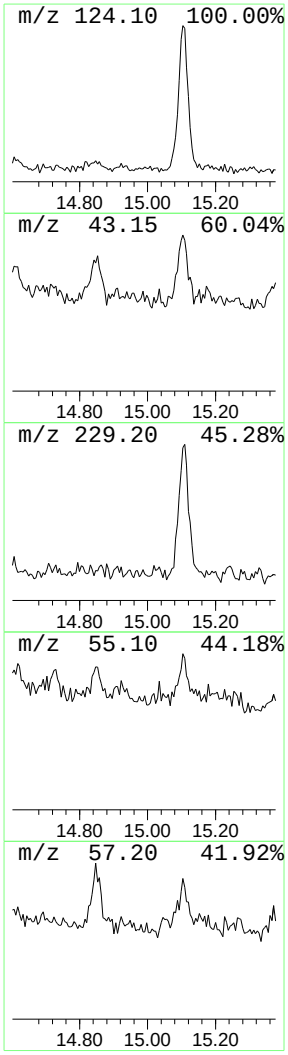
Peak Number 19 Unknown Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.104	8.28 ppm	184373	Perylene-d12	12.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Stigmast-4-en-3-one	412	C29H48O	001058-61-3	93
2	Testosterone	288	C19H28O2	000058-22-0	43
3	Androst-4-en-3-one, 17-hydroxy-,...	288	C19H28O2	000604-39-7	43
4	Nickel, (.eta.5-2,4-cyclopentadi...	206	C11H16Ni	074482-15-8	42
5	Testosterone	288	C19H28O2	000058-22-0	38





Tentatively Identified Compound (LSC) summary

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694140.d
Acq On : 6 Dec 2024 11:33 am
Operator : kaleigh
Sample : je1536-2
Misc : op59876,e4p3703,30.02,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
n-Hexadecanoic ...	8.554	4.1	ppm	87532	10	7.967	851884	40.0
Cyclic octaatom...	9.350	4.7	ppm	99022	10	7.967	851884	40.0
Unknown	10.851	4.2	ppm	103790	11	10.958	997575	40.0
Unknown	11.626	8.1	ppm	201389	13	10.958	997575	40.0
Unknown	11.802	4.1	ppm	92255	14	12.561	890496	40.0
Unknown	12.000	4.3	ppm	95397	14	12.561	890496	40.0
Alkane	12.337	15.1	ppm	335348	14	12.561	890496	40.0
Unknown PAH sub...	12.438	4.5	ppm	99894	14	12.561	890496	40.0
Oxirane, hexadecyl	12.860	10.3	ppm	228444	14	12.561	890496	40.0
Alkane	13.069	5.4	ppm	119789	14	12.561	890496	40.0
Vitamin E	13.272	6.8	ppm	151243	14	12.561	890496	40.0
Unknown	13.357	4.6	ppm	101480	14	12.561	890496	40.0
Unknown	13.539	7.4	ppm	165035	14	12.561	890496	40.0
Unknown	13.726	7.7	ppm	170958	14	12.561	890496	40.0
Sitosterol	14.303	17.9	ppm	399599	14	12.561	890496	40.0
Unknown	14.612	4.2	ppm	92455	14	12.561	890496	40.0
Unknown	14.725	4.9	ppm	108575	14	12.561	890496	40.0
Unknown	14.847	4.7	ppm	105041	14	12.561	890496	40.0
Unknown	15.104	8.3	ppm	184373	14	12.561	890496	40.0

Manual Integrations APPROVED (compounds with "m" flag)
Jacky Takeuchi 12/06/24 23:18

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694141.d
Acq On : 6 Dec 2024 11:56 am
Operator : kaleigh
Sample : je1536-3 Inst : GCMS4P
Misc : op59876,e4p3703,30.00,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 06 18:51:00 2024
Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Fri Dec 06 18:18:31 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.580	152	86371	40.00	ppm	0.00
24) Naphthalene-d8	5.371	136	317905	40.00	ppm	0.00
46) Acenaphthene-d10	6.610	164	171381	40.00	ppm	0.00
69) Phenanthrene-d10	7.967	188	283908	40.00	ppm	0.00
84) Chrysene-d12	10.959	240	311766	40.00	ppm	0.00
93) Perylene-d12	12.561	264	346809	40.00	ppm	0.00
103) 1,4-Dichlorobenzene-d4a	4.580	152	86371	40.00	ppm	0.00
105) Acenaphthene-d10a	6.610	164	171381	40.00	ppm	0.00
107) Chrysene-d12a	10.959	240	311766	40.00	ppm	0.00
109) Phenanthrene-d10a	7.967	188	283908	40.00	ppm	0.00
111) Naphthalene-d8a	5.371	136	317905	40.00	ppm	0.00
113) Chrysene-d12b	10.959	240	311766	40.00	ppm	0.00
115) Naphthalene-d8b	5.371	136	317905	40.00	ppm	0.00
118) Naphthalene-d8c	5.371	136	317905	40.00	ppm	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.763	112	58879	24.80	ppm	0.00
Spiked Amount 50.000			Recovery =	49.60%		
8) Phenol-d5	4.350	99	71708	22.96	ppm	0.00
Spiked Amount 50.000			Recovery =	45.92%		
25) Nitrobenzene-d5	4.922	82	67103	23.83	ppm	0.00
Spiked Amount 50.000			Recovery =	47.66%		
51) 2-Fluorobiphenyl	6.086	172	149159	25.56	ppm	0.00
Spiked Amount 50.000			Recovery =	51.12%		
74) 2,4,6-Tribromophenol	7.294	330	17935	25.07	ppm	0.00
Spiked Amount 50.000			Recovery =	50.14%		
87) Terphenyl-d14	9.730	244	173409	22.36	ppm	0.00
Spiked Amount 50.000			Recovery =	44.72%		
108) 1-chlorooctadecane	0.000	57	0d	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
110) o-terphenyl	0.000	230	0	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
38) Naphthalene	5.387	128	4506	0.5421	ppm	95
53) Biphenyl	6.161	154	1249	0.1920	ppm	93
56) Acenaphthylene	6.498	152	15977	2.2868	ppm	99
59) Acenaphthene	6.637	153	9553	1.7894	ppm	97
62) Dibenzofuran	6.776	168	6370	0.8782	ppm	97
66) Fluorene	7.069	166	12545	2.1695	ppm	95
78) Phenanthrene	7.994	178	131523	16.5509	ppm	99
79) Anthracene	8.042	178	44175	5.6550	ppm	98
80) Carbazole	8.213	167	9267	1.2917	ppm	95
81) Di-n-butylphthalate	8.581	149	2247	0.2643	ppm	95
82) Fluoranthene	9.281	202	363831	42.2190	ppm	97
86) Pyrene	9.538	202	347978	31.7223	ppm	99
89) Benzo[a]anthracene	10.943	228	200887	19.8180	ppm	97
91) Chrysene	10.991	228	173503	17.7534	ppm	98
92) bis(2-Ethylhexyl)phtha...	11.012	149	4921	0.7622	ppm	97
95) Benzo[b]fluoranthene	12.161	252	267426m	24.9113	ppm	
96) Benzo[k]fluoranthene	12.187	252	84097m	8.2619	ppm	
97) Benzo[a]pyrene	12.503	252	200650	22.1083	ppm	96
98) Indeno[1,2,3-cd]pyrene	13.811	276	120686	9.9866	ppm	94
100) Dibenz[a,h]anthracene	13.822	278	29774	3.0380	ppm	90
102) Benzo[g,h,i]perylene	14.164	276	108912	11.9033	ppm	98

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694141.d
Acq On : 6 Dec 2024 11:56 am
Operator : kaleigh
Sample : je1536-3 Inst : GCMS4P
Misc : op59876,e4p3703,30.00,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 06 18:51:00 2024
Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Fri Dec 06 18:18:31 2024
Response via : Initial Calibration

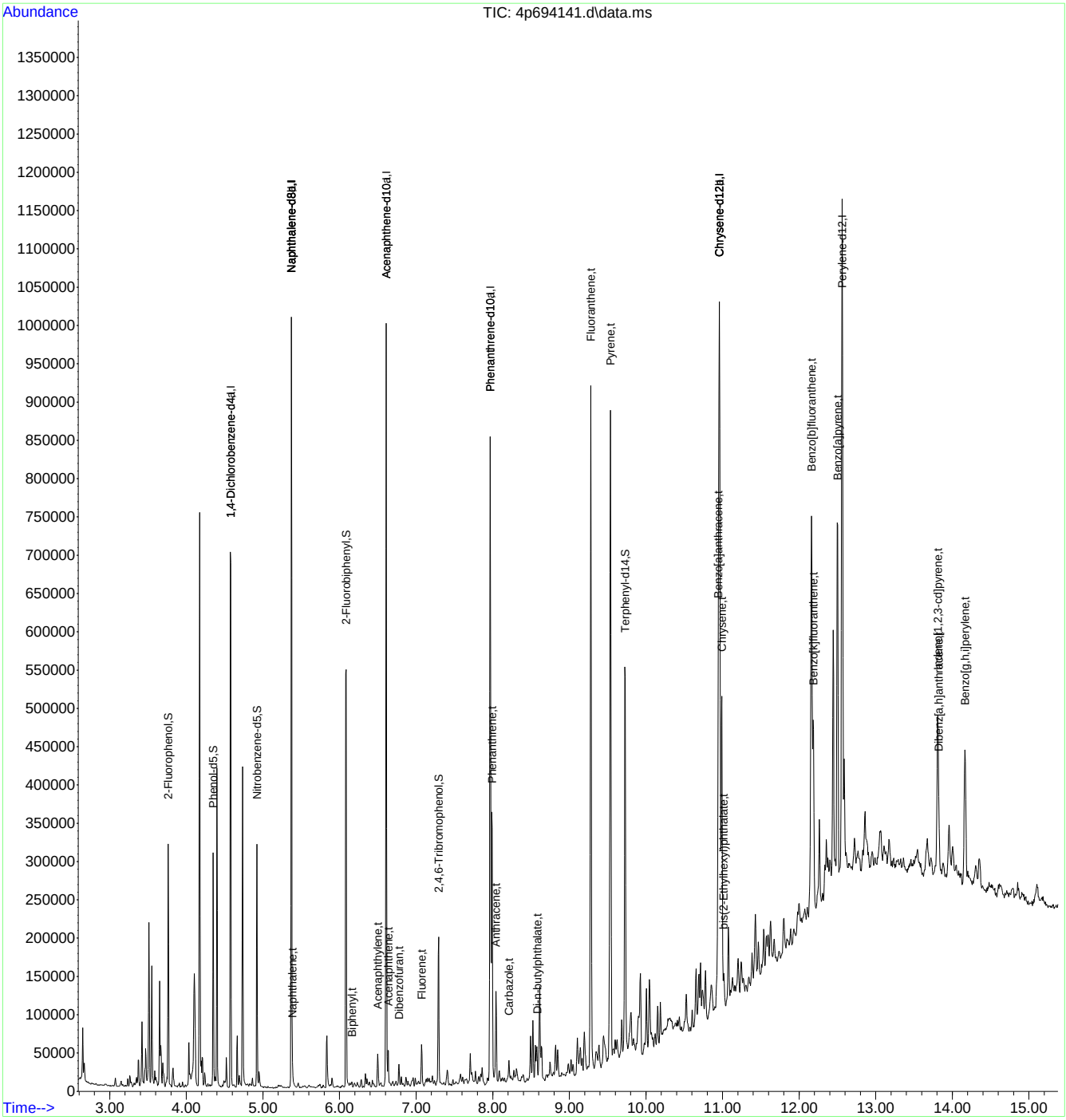
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

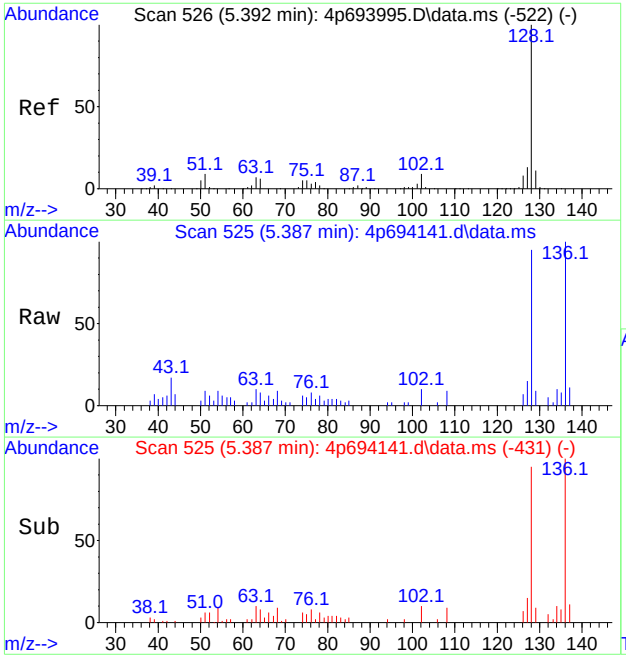
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694141.d
Acq On : 6 Dec 2024 11:56 am
Operator : kaleigh
Sample : je1536-3 Inst : GCMS4P
Misc : op59876,e4p3703,30.00,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 06 18:51:00 2024
Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Fri Dec 06 18:18:31 2024
Response via : Initial Calibration

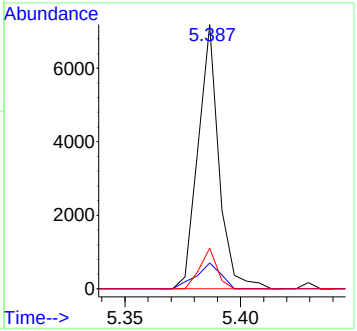


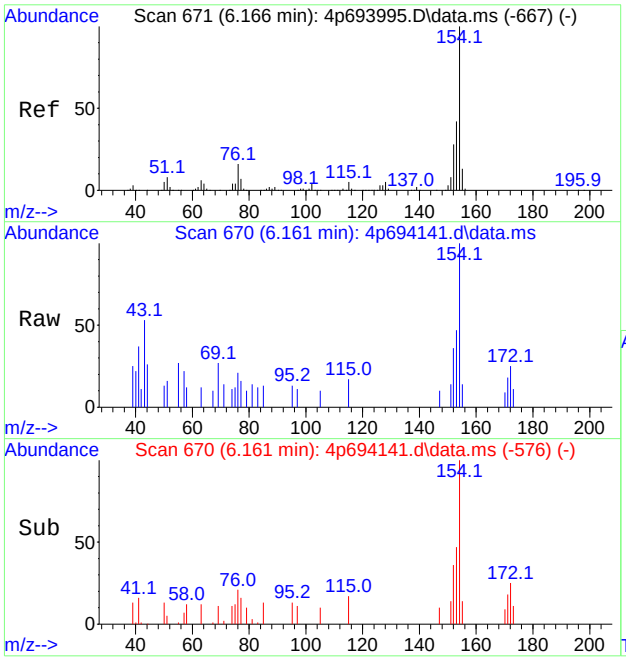


#38
Naphthalene
Concen: 0.5421 ppm
RT: 5.387 min Scan# 525
Delta R.T. 0.000 min
Lab File: 4p694141.d
Acq: 6 Dec 2024 11:56 am

Tgt Ion:128 Resp: 4506

Ion	Ratio	Lower	Upper
128	100		
129	9.7	0.0	40.8
127	15.3	0.0	42.7

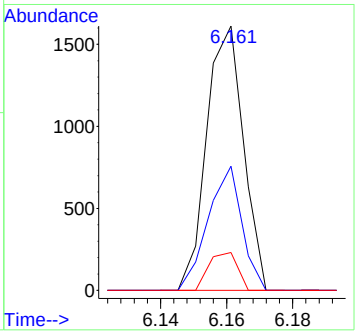


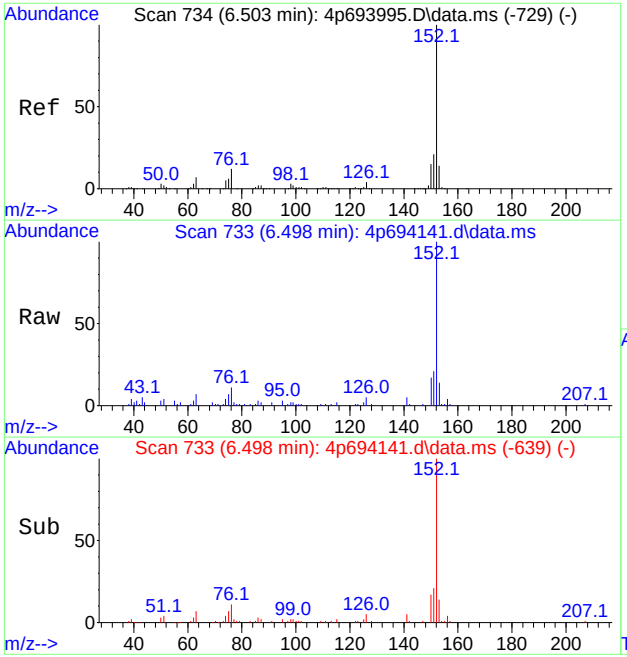


#53
Biphenyl
Concen: 0.1920 ppm
RT: 6.161 min Scan# 670
Delta R.T. 0.000 min
Lab File: 4p694141.d
Acq: 6 Dec 2024 11:56 am

Tgt Ion:154 Resp: 1249

Ion	Ratio	Lower	Upper
154	100		
153	47.0	11.9	71.9
155	14.4	0.0	43.1

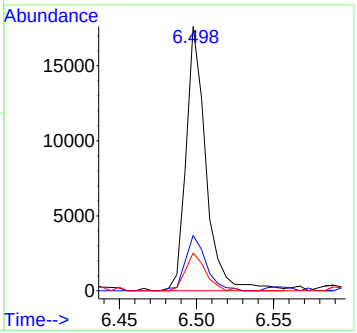


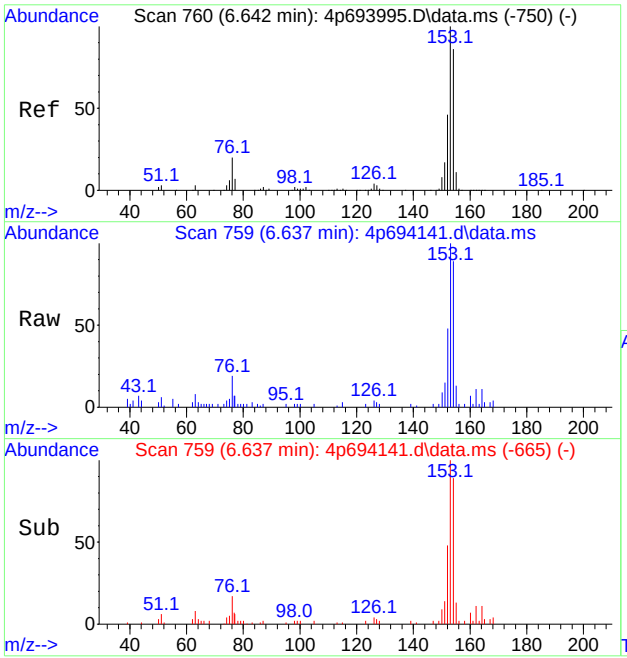


#56
Acenaphthylene
Concen: 2.2868 ppm
RT: 6.498 min Scan# 733
Delta R.T. 0.000 min
Lab File: 4p694141.d
Acq: 6 Dec 2024 11:56 am

Tgt Ion:152 Resp: 15977

Ion	Ratio	Lower	Upper
152	100		
151	20.4	0.0	51.0
153	14.4	0.0	44.1

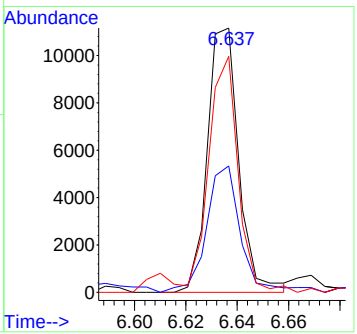


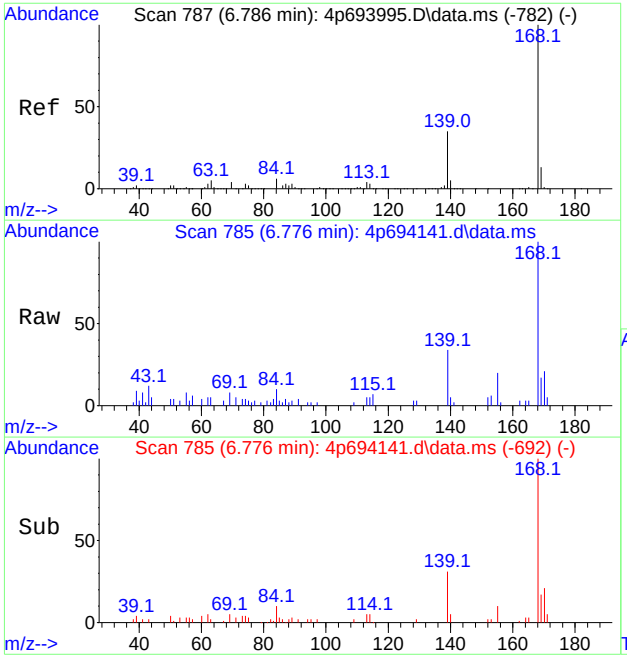


#59
Acenaphthene
Concen: 1.7894 ppm
RT: 6.637 min Scan# 759
Delta R.T. 0.000 min
Lab File: 4p694141.d
Acq: 6 Dec 2024 11:56 am

Tgt Ion:153 Resp: 9553

Ion	Ratio	Lower	Upper
153	100		
152	47.8	17.0	77.0
154	85.9	51.7	111.7

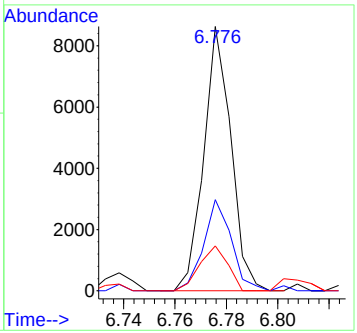


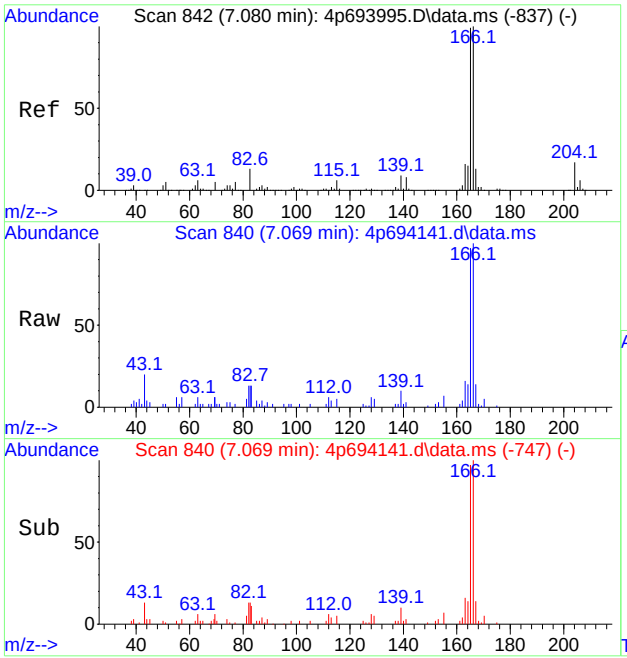


#62
Dibenzofuran
Concen: 0.8782 ppm
RT: 6.776 min Scan# 785
Delta R.T. -0.005 min
Lab File: 4p694141.d
Acq: 6 Dec 2024 11:56 am

Tgt Ion:168 Resp: 6370

Ion	Ratio	Lower	Upper
168	100		
139	33.5	5.2	65.2
169	14.7	0.0	43.8

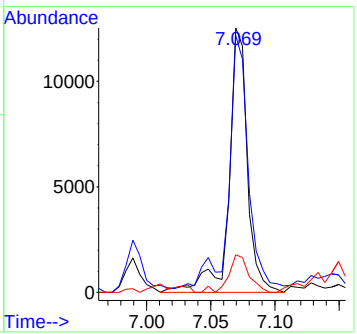


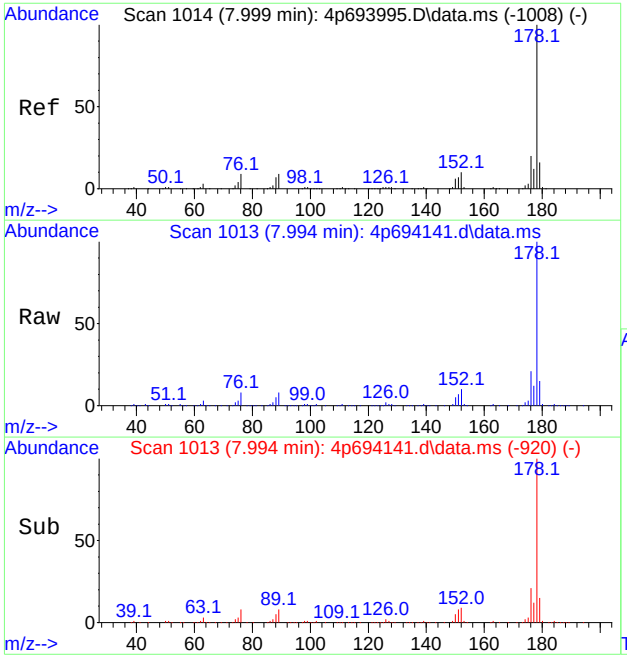


#66
Fluorene
Concen: 2.1695 ppm
RT: 7.069 min Scan# 840
Delta R.T. -0.005 min
Lab File: 4p694141.d
Acq: 6 Dec 2024 11:56 am

Tgt Ion:166 Resp: 12545

Ion	Ratio	Lower	Upper
166	100		
165	94.5	70.1	130.1
167	11.8	0.0	43.7

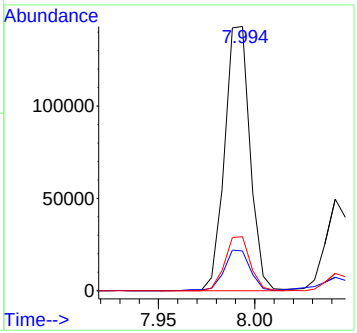


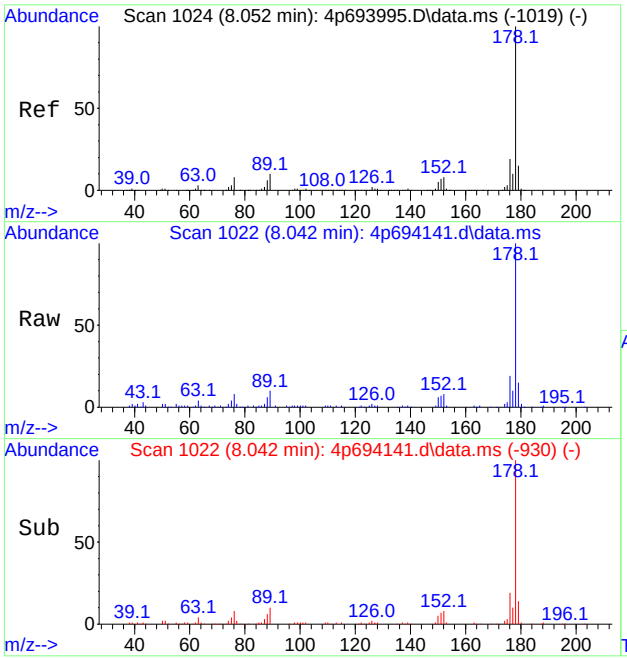


#78
Phenanthrene
Concen: 16.5509 ppm
RT: 7.994 min Scan# 1013
Delta R.T. -0.005 min
Lab File: 4p694141.d
Acq: 6 Dec 2024 11:56 am

Tgt Ion:178 Resp: 131523

Ion	Ratio	Lower	Upper
178	100		
179	15.0	0.0	45.1
176	20.6	0.0	49.7

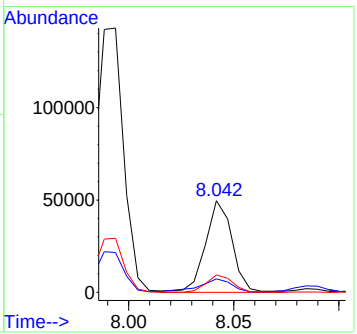


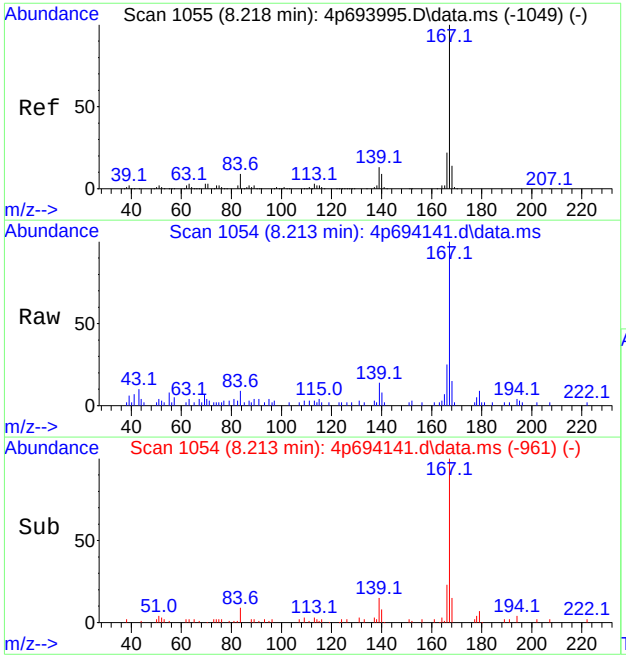


#79
Anthracene
Concen: 5.6550 ppm
RT: 8.042 min Scan# 1022
Delta R.T. -0.011 min
Lab File: 4p694141.d
Acq: 6 Dec 2024 11:56 am

Tgt Ion:178 Resp: 44175

Ion	Ratio	Lower	Upper
178	100		
179	13.6	0.0	45.3
176	19.1	0.0	49.3

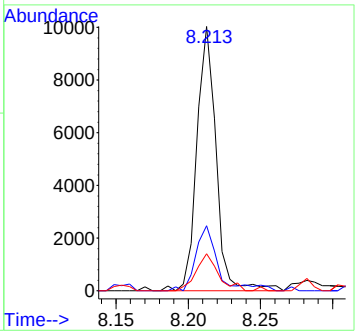


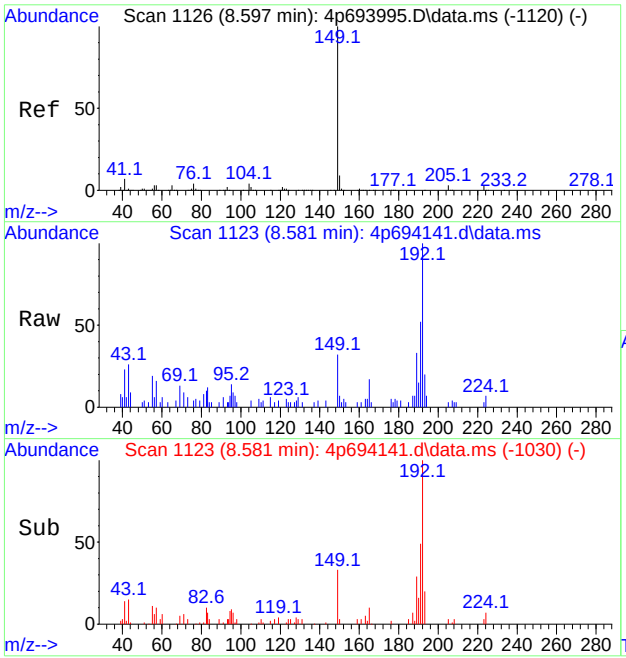


#80
Carbazole
Concen: 1.2917 ppm
RT: 8.213 min Scan# 1054
Delta R.T. -0.005 min
Lab File: 4p694141.d
Acq: 6 Dec 2024 11:56 am

Tgt Ion:167 Resp: 9267

Ion	Ratio	Lower	Upper
167	100		
166	24.6	0.0	51.7
139	14.0	0.0	42.5

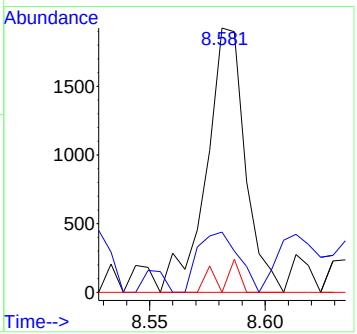


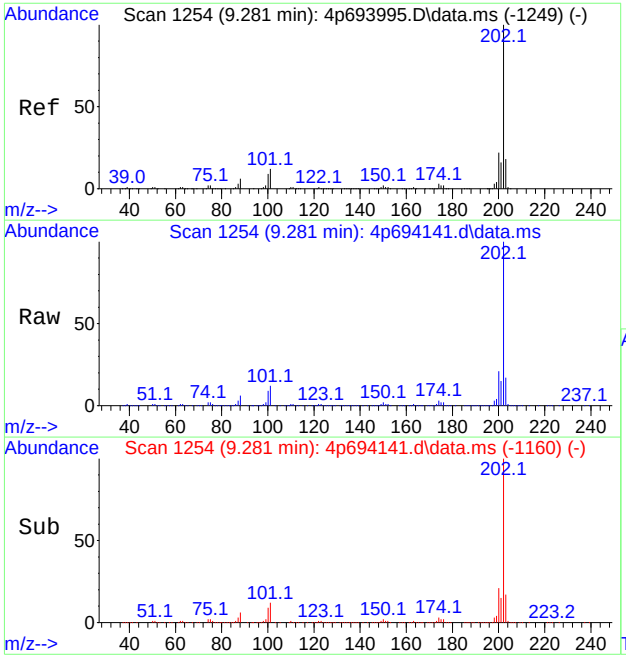


#81
Di-n-butylphthalate
Concen: 0.2643 ppm
RT: 8.581 min Scan# 1123
Delta R.T. -0.005 min
Lab File: 4p694141.d
Acq: 6 Dec 2024 11:56 am

Tgt Ion:149 Resp: 2247

Ion	Ratio	Lower	Upper
149	100		
150	9.0	0.0	39.0
104	0.0	0.0	34.6

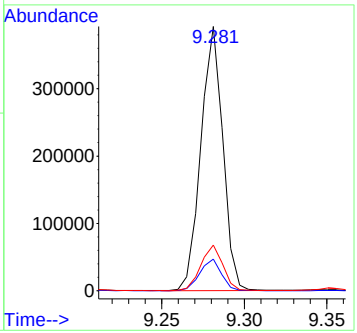


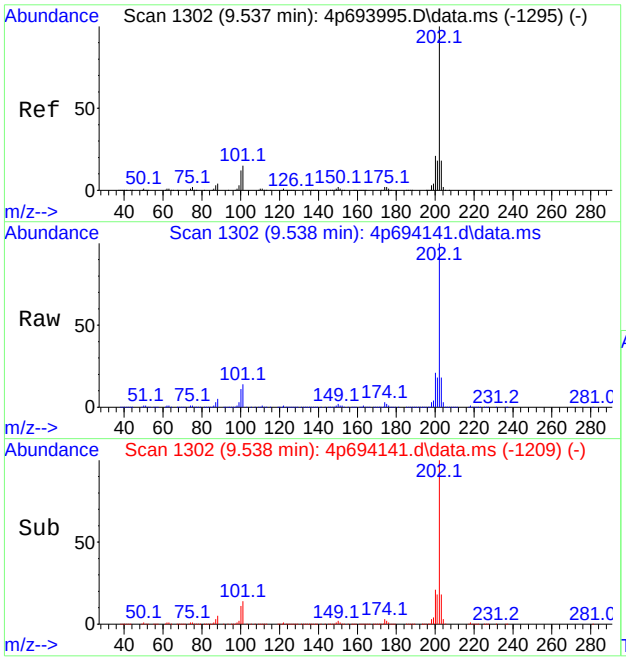


#82
Fluoranthene
Concen: 42.2190 ppm
RT: 9.281 min Scan# 1254
Delta R.T. 0.000 min
Lab File: 4p694141.d
Acq: 6 Dec 2024 11:56 am

Tgt Ion:202 Resp: 363831

Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	43.3
203	17.2	0.0	48.2

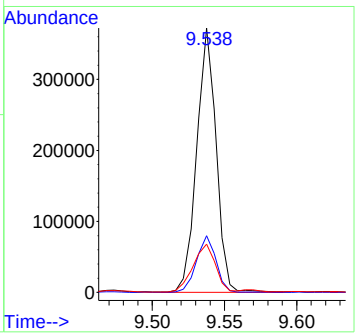


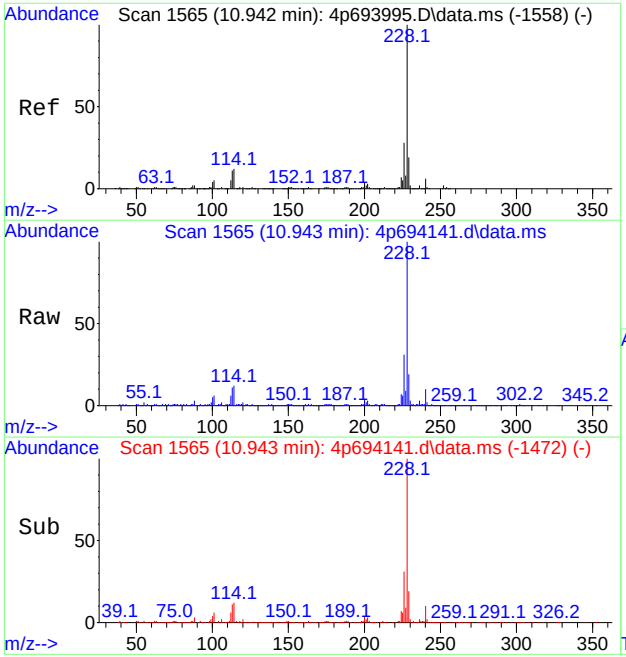


#86
Pyrene
Concen: 31.7223 ppm
RT: 9.538 min Scan# 1302
Delta R.T. -0.005 min
Lab File: 4p694141.d
Acq: 6 Dec 2024 11:56 am

Tgt Ion:202 Resp: 347978

Ion	Ratio	Lower	Upper
202	100		
200	21.5	0.0	52.1
203	18.0	0.0	47.5

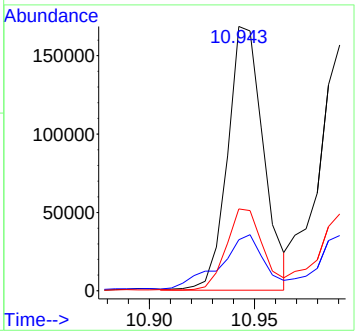


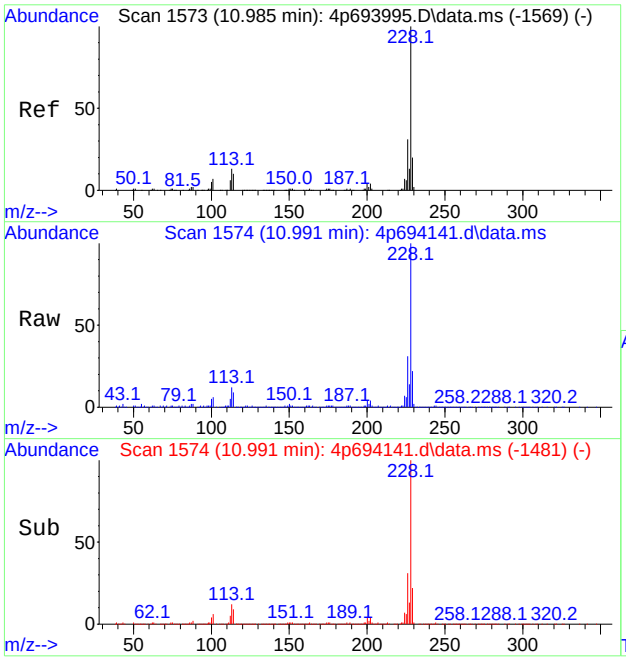


#89
Benzo[a]anthracene
Concen: 19.8180 ppm
RT: 10.943 min Scan# 1565
Delta R.T. -0.005 min
Lab File: 4p694141.d
Acq: 6 Dec 2024 11:56 am

Tgt Ion:228 Resp: 200887

Ion	Ratio	Lower	Upper
228	100		
229	18.4	0.0	49.7
226	30.6	0.0	58.6

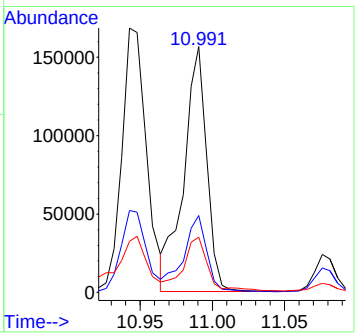


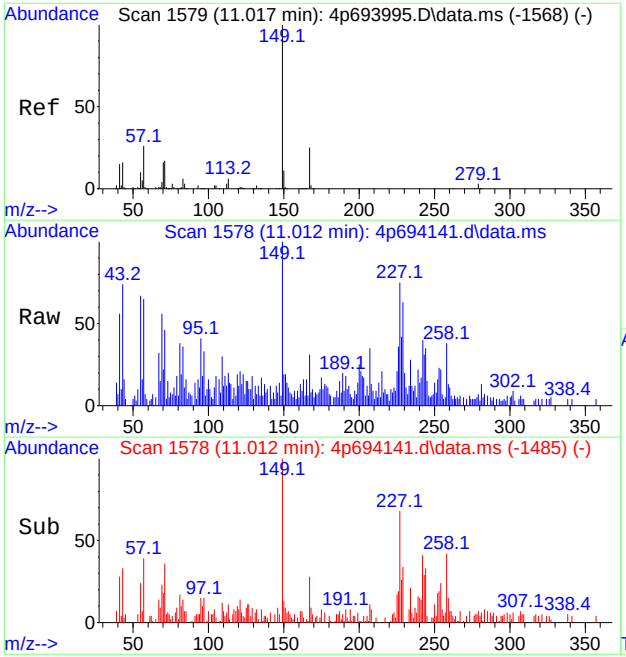


#91
Chrysene
Concen: 17.7534 ppm
RT: 10.991 min Scan# 1574
Delta R.T. -0.005 min
Lab File: 4p694141.d
Acq: 6 Dec 2024 11:56 am

Tgt Ion:228 Resp: 173503

Ion	Ratio	Lower	Upper
228	100		
226	30.9	1.6	61.6
229	21.7	0.0	50.0

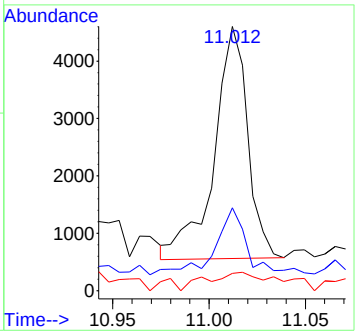


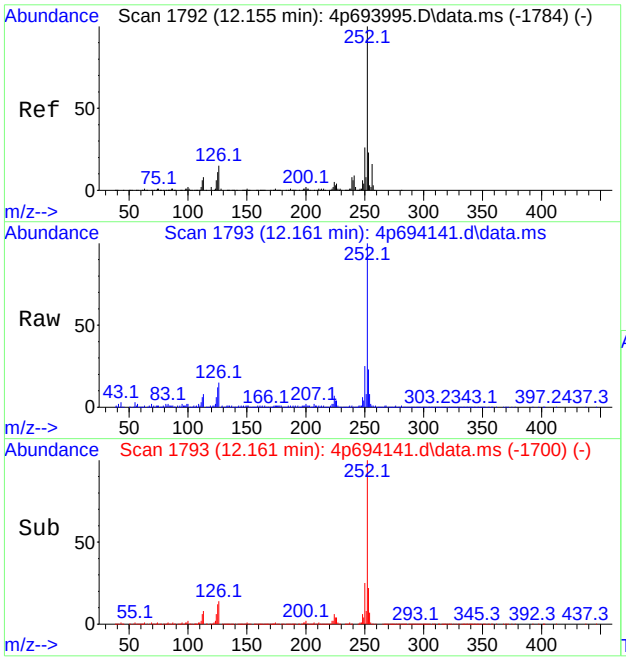


#92
bis(2-Ethylhexyl)phthalate
Concen: 0.7622 ppm
RT: 11.012 min Scan# 1578
Delta R.T. -0.005 min
Lab File: 4p694141.d
Acq: 6 Dec 2024 11:56 am

Tgt Ion:149 Resp: 4921

Ion	Ratio	Lower	Upper
149	100		
167	27.6	0.0	56.0
279	3.7	0.0	33.1

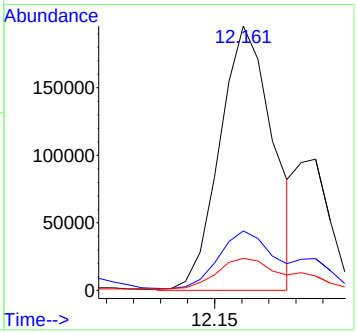


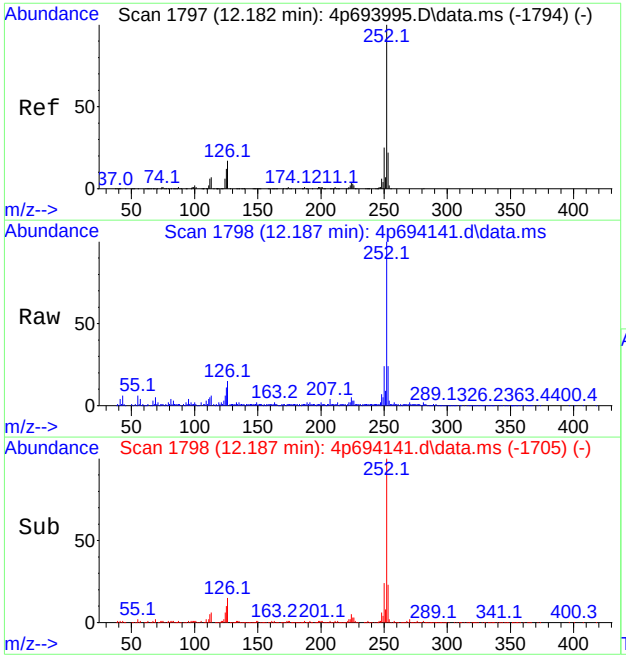


#95
Benzo[b]fluoranthene
Concen: 24.9113 ppm m
RT: 12.161 min Scan# 1793
Delta R.T. -0.005 min
Lab File: 4p694141.d
Acq: 6 Dec 2024 11:56 am

Tgt Ion:252 Resp: 267426

Ion	Ratio	Lower	Upper
252	100		
253	22.5	0.0	52.2
125	12.1	0.0	41.9

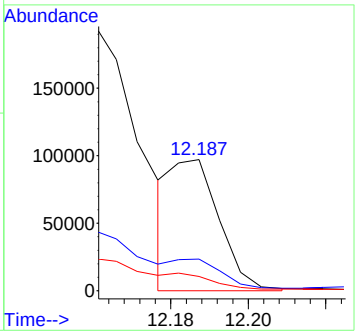


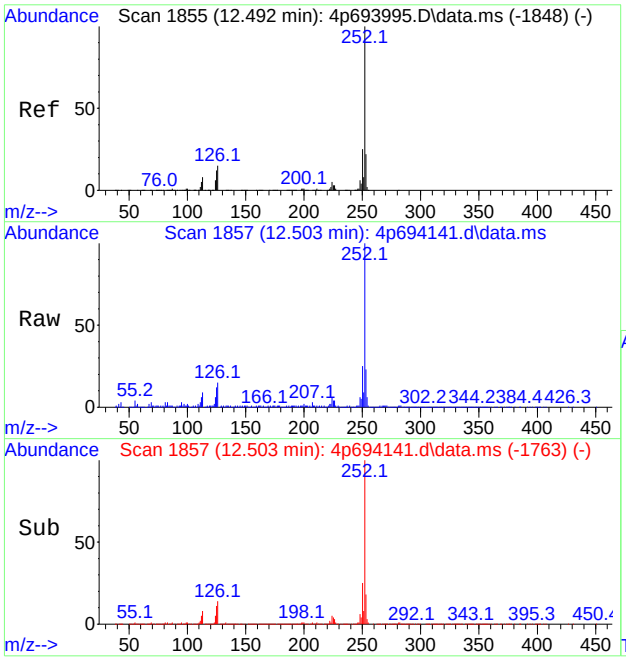


#96
Benzo[k]fluoranthene
Concen: 8.2619 ppm m
RT: 12.187 min Scan# 1798
Delta R.T. -0.005 min
Lab File: 4p694141.d
Acq: 6 Dec 2024 11:56 am

Tgt Ion:252 Resp: 84097

Ion	Ratio	Lower	Upper
252	100		
253	24.2	0.0	51.9
125	10.9	0.0	41.8

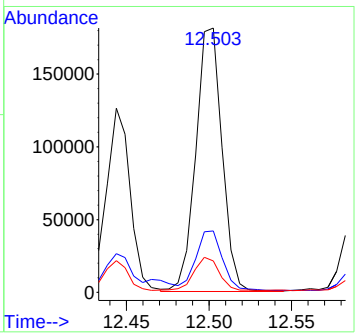


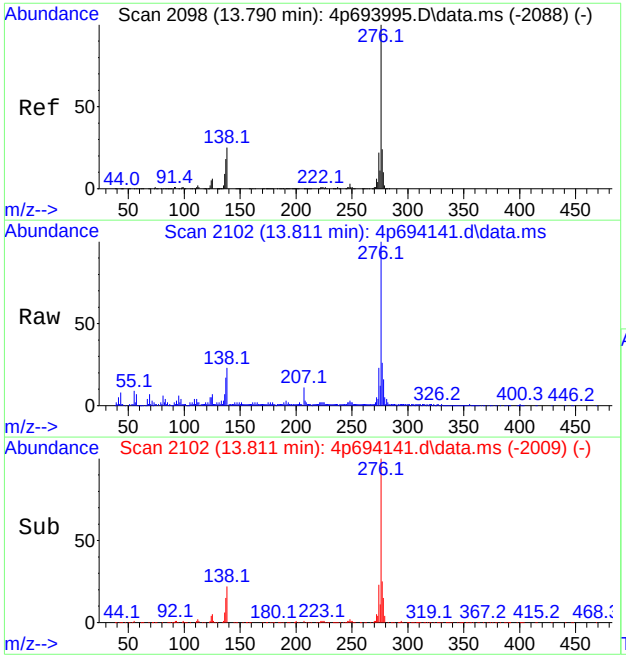


#97
Benzo[a]pyrene
Concen: 22.1083 ppm
RT: 12.503 min Scan# 1857
Delta R.T. 0.000 min
Lab File: 4p694141.d
Acq: 6 Dec 2024 11:56 am

Tgt Ion:252 Resp: 200650

Ion	Ratio	Lower	Upper
252	100		
253	20.7	0.0	52.0
125	11.1	0.0	43.3

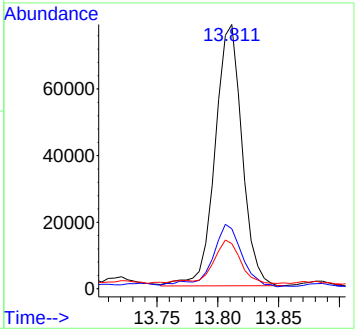


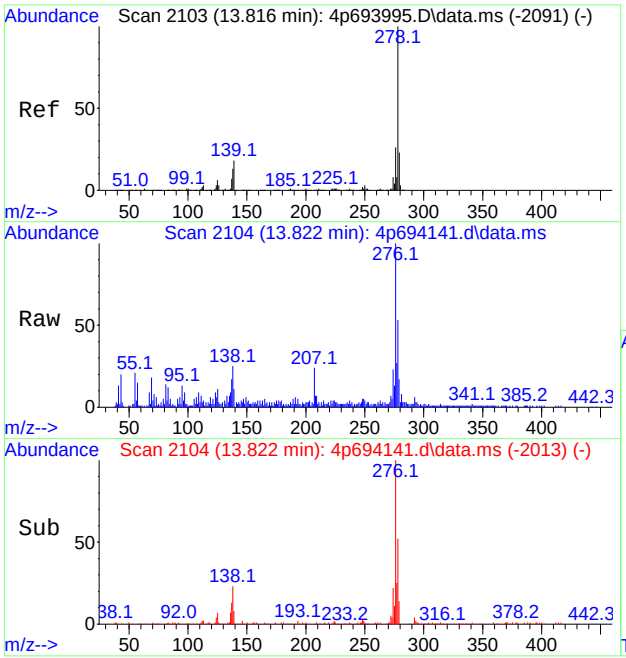


#98
Indeno[1,2,3-cd]pyrene
Concen: 9.9866 ppm
RT: 13.811 min Scan# 2102
Delta R.T. -0.005 min
Lab File: 4p694141.d
Acq: 6 Dec 2024 11:56 am

Tgt Ion:276 Resp: 120686

Ion	Ratio	Lower	Upper
276	100		
138	21.7	0.0	55.0
137	15.0	0.0	47.6

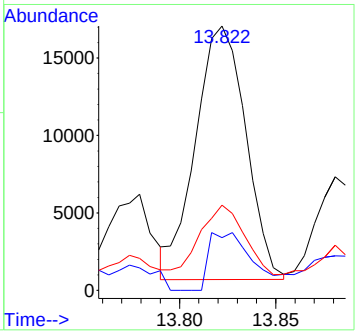


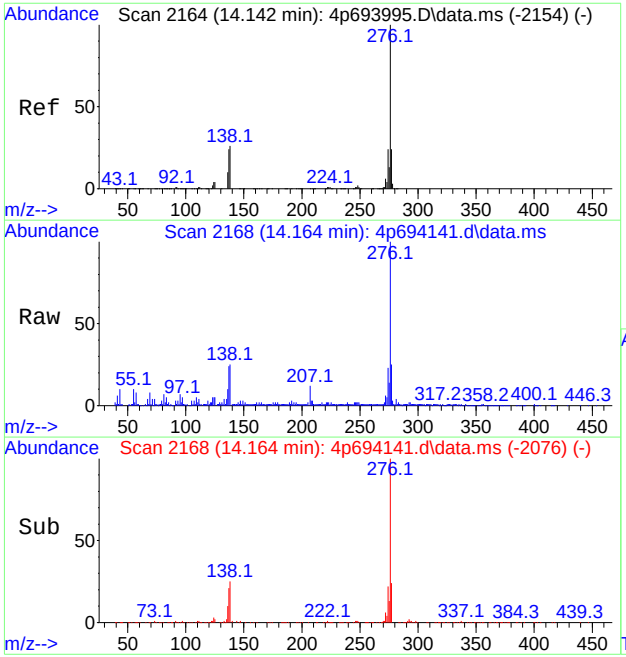


#100
Dibenz[a,h]anthracene
Concen: 3.0380 ppm
RT: 13.822 min Scan# 2104
Delta R.T. -0.016 min
Lab File: 4p694141.d
Acq: 6 Dec 2024 11:56 am

Tgt Ion:278 Resp: 29774

Ion	Ratio	Lower	Upper
278	100		
139	14.9	0.0	48.0
279	28.5	0.0	52.2

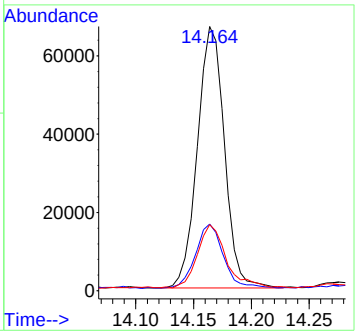




#102
Benzo[g,h,i]perylene
Concen: 11.9033 ppm
RT: 14.164 min Scan# 2168
Delta R.T. -0.011 min
Lab File: 4p694141.d
Acq: 6 Dec 2024 11:56 am

Tgt Ion:276 Resp: 108912

Ion	Ratio	Lower	Upper
276	100		
138	24.4	0.0	55.7
277	24.0	0.0	53.4



LSC Area Percent Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694141.d
Acq On : 6 Dec 2024 11:56 am
Operator : kaleigh
Sample : je1536-3
Misc : op59876,e4p3703,30.00,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.02 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 7

Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

Signal : TIC: 4p694141.d\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.371	516	522	534	rBV	1006656	673995	43.25%	4.221%
2	5.835	605	609	615	rBV	68243	65117	4.18%	0.408%
3	6.086	651	656	663	rBV	545367	432489	27.76%	2.709%
4	6.498	728	733	737	rBV	43445	38491	2.47%	0.241%
5	6.610	748	754	757	rBV	996702	723882	46.46%	4.534%
6	6.631	757	758	766	rVB	46404	40697	2.61%	0.255%
7	6.776	781	785	788	rBV	27622	22987	1.48%	0.144%
8	7.069	835	840	846	rVB	54762	52537	3.37%	0.329%
9	7.294	875	882	892	rBV	193584	182232	11.69%	1.141%
10	7.406	898	903	907	rVB4	19793	25679	1.65%	0.161%
11	7.705	953	959	968	rBV2	39416	53101	3.41%	0.333%
12	7.860	982	988	995	rVB2	23207	39495	2.53%	0.247%
13	7.967	1004	1008	1011	rBV	841458	756443	48.55%	4.738%
14	7.988	1011	1012	1017	rVB	346338	257320	16.51%	1.612%
15	8.042	1017	1022	1027	rVB	117513	106504	6.84%	0.667%
16	8.213	1047	1054	1057	rBV2	28298	33944	2.18%	0.213%
17	8.496	1100	1107	1109	rBV	58344	59961	3.85%	0.376%
18	8.523	1109	1112	1115	rVB	74845	65444	4.20%	0.410%
19	8.555	1115	1118	1120	rBV2	42503	38287	2.46%	0.240%
20	8.576	1120	1122	1125	rVB2	37604	29956	1.92%	0.188%
21	8.613	1125	1129	1132	rBV	116254	118704	7.62%	0.743%
22	8.635	1132	1133	1141	rVB	45495	39920	2.56%	0.250%
23	8.747	1148	1154	1160	rBV9	20480	27328	1.75%	0.171%
24	8.822	1164	1168	1170	rBV	38998	36440	2.34%	0.228%
25	8.848	1170	1173	1178	rVB2	34556	33759	2.17%	0.211%
26	8.987	1192	1199	1202	rBV2	16536	24082	1.55%	0.151%
27	9.105	1215	1221	1224	rBV	49789	59055	3.79%	0.370%
28	9.142	1224	1228	1231	rVB2	23931	24534	1.57%	0.154%
29	9.196	1235	1238	1244	rBV3	50669	62643	4.02%	0.392%
30	9.281	1249	1254	1262	rVB	891718	842820	54.09%	5.279%
31	9.351	1262	1267	1271	rBV4	22478	40589	2.60%	0.254%
32	9.388	1271	1274	1279	rVB	30240	33964	2.18%	0.213%
33	9.447	1279	1285	1293	rBV3	42148	98200	6.30%	0.615%
34	9.538	1293	1302	1306	rBV	850692	895527	57.47%	5.609%
35	9.623	1315	1318	1323	rVB3	23383	29711	1.91%	0.186%
36	9.682	1323	1329	1332	rBV	49612	52079	3.34%	0.326%
37	9.725	1332	1337	1344	rBV	502344	526942	33.82%	3.300%
38	9.805	1344	1352	1356	rBV3	47816	81113	5.21%	0.508%
39	9.928	1363	1375	1381	rVB	105868	200714	12.88%	1.257%
40	10.008	1381	1390	1393	rBV	86399	110497	7.09%	0.692%

LSC Area Percent Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694141.d
Acq On : 6 Dec 2024 11:56 am
Operator : kaleigh
Sample : je1536-3
Misc : op59876,e4p3703,30.00,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.02 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 7

Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

41	10.045	1393	1397	1408	rBV3	88460	125585	8.06%	0.787%
42	10.152	1414	1417	1421	rBV2	50344	48544	3.12%	0.304%
43	10.189	1421	1424	1429	rBV	53634	62566	4.02%	0.392%
44	10.312	1437	1447	1455	rBV	15912	56842	3.65%	0.356%
45	10.526	1478	1487	1494	rVB2	48793	76095	4.88%	0.477%
46	10.601	1498	1501	1506	rBV3	27789	32880	2.11%	0.206%
47	10.654	1506	1511	1514	rBV	76024	87442	5.61%	0.548%
48	10.691	1514	1518	1520	rBV	52874	58266	3.74%	0.365%
49	10.713	1520	1522	1524	rVB	56814	39915	2.56%	0.250%
50	10.740	1524	1527	1531	rVB2	24908	30619	1.97%	0.192%
51	10.777	1531	1534	1539	rVB	64097	67067	4.30%	0.420%
52	10.852	1539	1548	1555	rBV4	45174	113020	7.25%	0.708%
53	10.959	1555	1568	1572	rBV2	924763	1558208	100.00%	9.759%
54	10.991	1572	1574	1584	rVB	404617	389602	25.00%	2.440%
55	11.076	1584	1590	1594	rBV	103414	120742	7.75%	0.756%
56	11.130	1594	1600	1604	rBV3	23885	37881	2.43%	0.237%
57	11.204	1608	1614	1618	rVB3	44759	57499	3.69%	0.360%
58	11.242	1618	1621	1625	rBV	40176	52546	3.37%	0.329%
59	11.343	1636	1640	1644	rBV4	19172	30981	1.99%	0.194%
60	11.386	1644	1648	1651	rBV2	43077	51311	3.29%	0.321%
61	11.429	1651	1656	1659	rBV	83824	104089	6.68%	0.652%
62	11.466	1661	1663	1668	rVB	42718	41870	2.69%	0.262%
63	11.536	1668	1676	1679	rBV2	59390	79010	5.07%	0.495%
64	11.573	1679	1683	1685	rBV4	39340	49113	3.15%	0.308%
65	11.594	1685	1687	1690	rVB2	28039	24250	1.56%	0.152%
66	11.626	1690	1693	1698	rVB4	46717	54769	3.51%	0.343%
67	11.674	1698	1702	1709	rVB3	29506	39061	2.51%	0.245%
68	11.803	1718	1726	1731	rBV6	51347	88475	5.68%	0.554%
69	11.931	1745	1750	1755	rBV7	21041	41410	2.66%	0.259%
70	12.000	1755	1763	1767	rBV7	42313	96483	6.19%	0.604%
71	12.075	1770	1777	1780	rBV8	18105	32147	2.06%	0.201%
72	12.161	1786	1793	1804	rBV	523825	987086	63.35%	6.182%
73	12.262	1804	1812	1817	rBV2	116039	156913	10.07%	0.983%
74	12.353	1822	1829	1832	rBV3	79940	146241	9.39%	0.916%
75	12.444	1841	1846	1852	rBV	321007	337125	21.64%	2.111%
76	12.497	1852	1856	1861	rVB	453783	478168	30.69%	2.995%
77	12.561	1861	1868	1872	rBV	876490	992891	63.72%	6.218%
78	12.722	1893	1898	1902	rBV7	41477	61036	3.92%	0.382%
79	12.770	1902	1907	1915	rVB6	26599	62469	4.01%	0.391%
80	12.860	1915	1924	1935	rBV8	78224	213922	13.73%	1.340%
81	12.951	1937	1941	1945	rVV2	21600	34203	2.20%	0.214%
82	13.063	1953	1962	1967	rVV5	48977	127315	8.17%	0.797%
83	13.106	1967	1970	1978	rVV9	29081	69938	4.49%	0.438%
84	13.170	1978	1982	1989	rVV8	37305	64256	4.12%	0.402%
85	13.363	2014	2018	2027	rVB8	19100	32968	2.12%	0.206%

LSC Area Percent Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694141.d
Acq On : 6 Dec 2024 11:56 am
Operator : kaleigh
Sample : je1536-3
Misc : op59876,e4p3703,30.00,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.02 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 7

Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

86	13.459	2029	2036	2040	rBV9	14258	24623	1.58%	0.154%
87	13.544	2045	2052	2059	rVB9	23644	52171	3.35%	0.327%
88	13.672	2067	2076	2082	rBV5	49870	121523	7.80%	0.761%
89	13.721	2082	2085	2090	rVV7	24442	38548	2.47%	0.241%
90	13.811	2091	2102	2111	rVV2	210532	363723	23.34%	2.278%
91	13.881	2111	2115	2120	rVB	18079	27238	1.75%	0.171%
92	13.956	2123	2129	2135	rBV	68319	124389	7.98%	0.779%
93	14.004	2135	2138	2143	rVV2	37869	57707	3.70%	0.361%
94	14.164	2161	2168	2174	rBV	176246	279893	17.96%	1.753%
95	14.303	2186	2194	2199	rBV	25996	57440	3.69%	0.360%
96	14.351	2199	2203	2209	rVB3	38529	67250	4.32%	0.421%
97	14.613	2246	2252	2264	rVB3	18715	62981	4.04%	0.394%
98	14.789	2280	2285	2289	rVV7	14141	29851	1.92%	0.187%
99	14.853	2293	2297	2303	rVV8	22604	29987	1.92%	0.188%
100	15.104	2333	2344	2351	rBV8	28275	79588	5.11%	0.498%

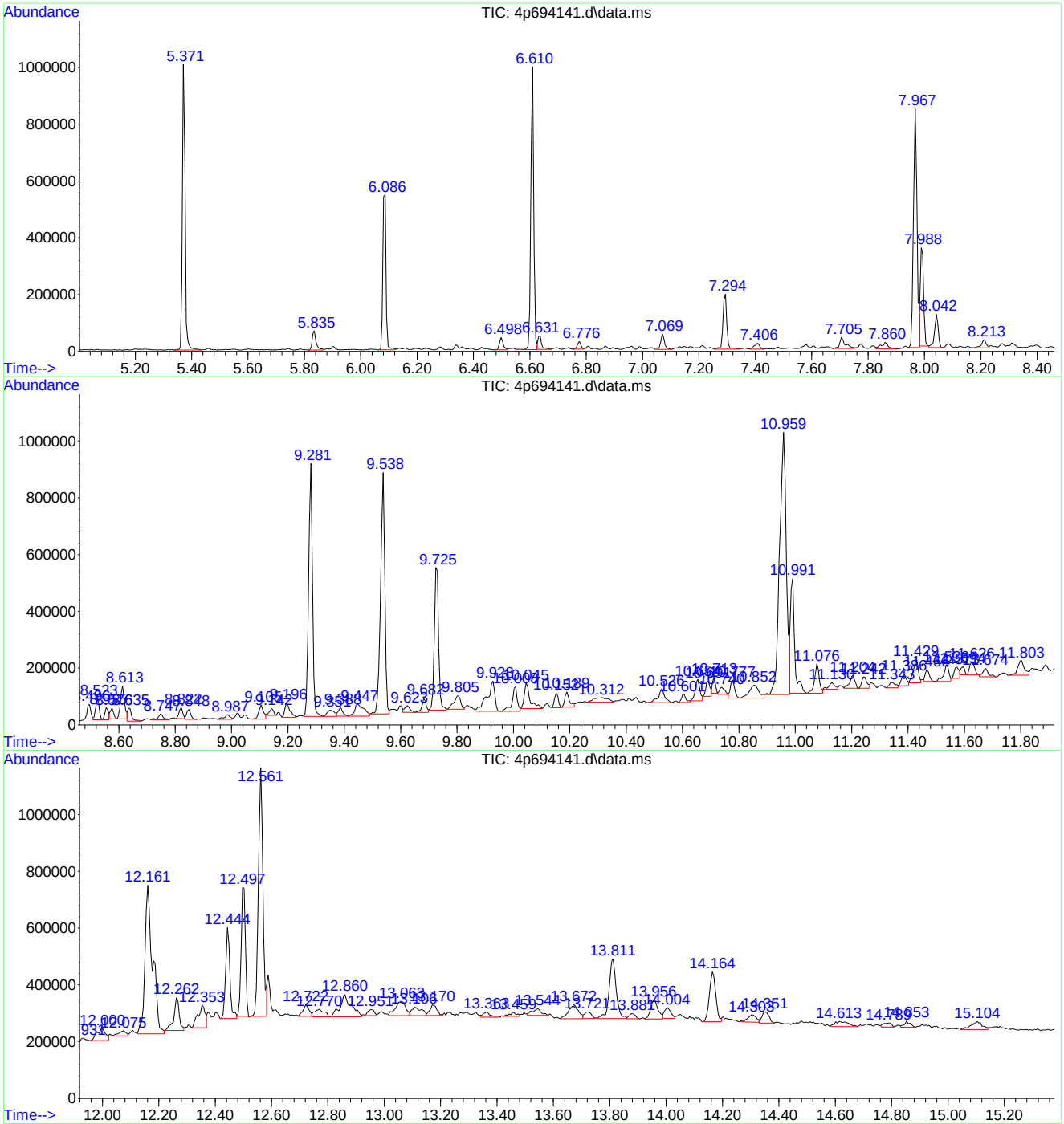
Sum of corrected areas: 15966913

LSC Report - Integrated Chromatogram

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694141.d
Acq On : 6 Dec 2024 11:56 am
Operator : kaleigh
Sample : je1536-3
Misc : op59876,e4p3703,30.00,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P



Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694141.d
Acq On : 6 Dec 2024 11:56 am
Operator : kaleigh
Sample : je1536-3
Misc : op59876,e4p3703,30.00,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

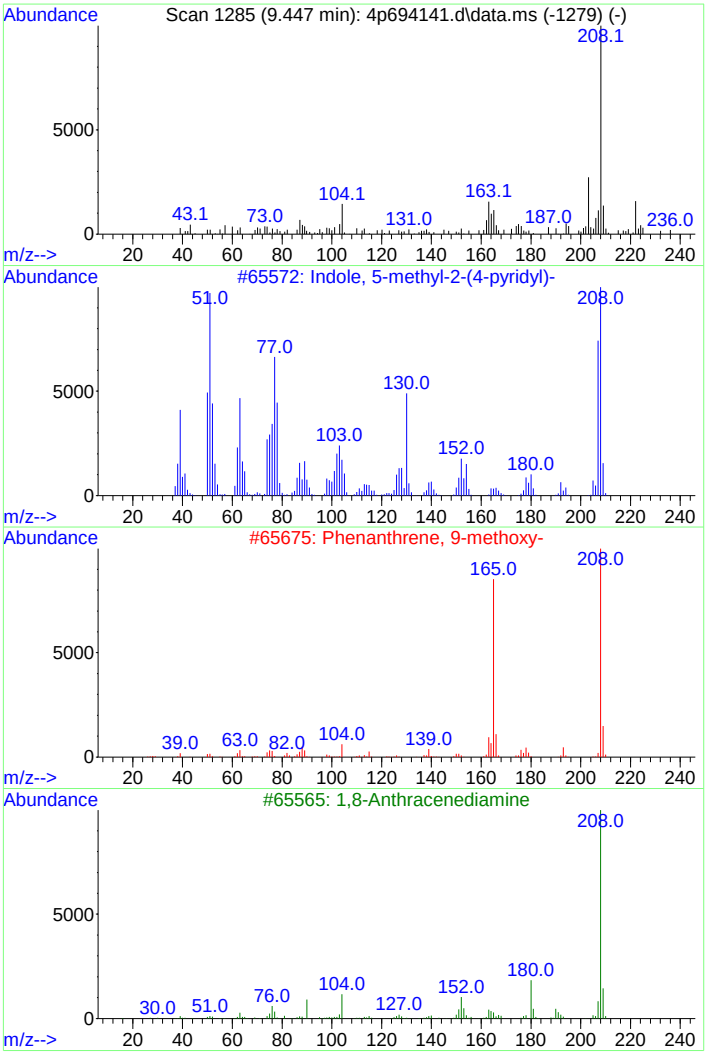
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

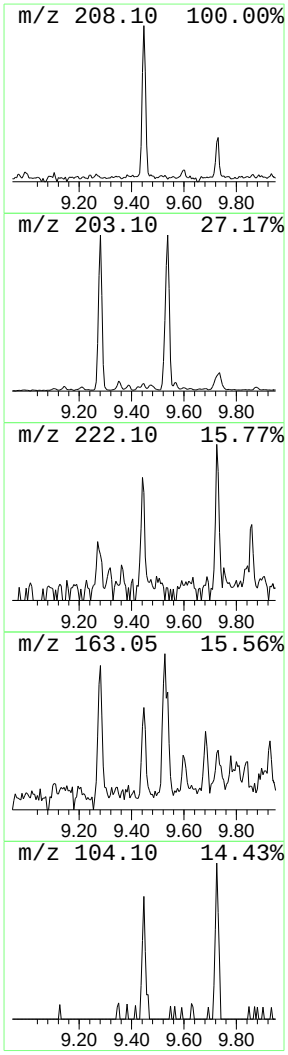
****

Peak Number 1 Unknown Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.447	5.19 ppm	98200	Phenanthrene-d10a	7.967

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indole, 5-methyl-2-(4-pyridyl)-	208	C14H12N2	107919-92-6	49
2	Phenanthrene, 9-methoxy-	208	C15H12O	005085-74-5	49
3	1,8-Anthracenediamine	208	C14H12N2	139312-39-3	47
4	Thiourea, N-(1-methylpropyl)-N'-...	208	C11H16N2S	015093-37-5	47
5	3,5-Dimethoxycinnamic acid	208	C11H12O4	016909-11-8	47





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694141.d
Acq On : 6 Dec 2024 11:56 am
Operator : kaleigh
Sample : je1536-3
Misc : op59876,e4p3703,30.00,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

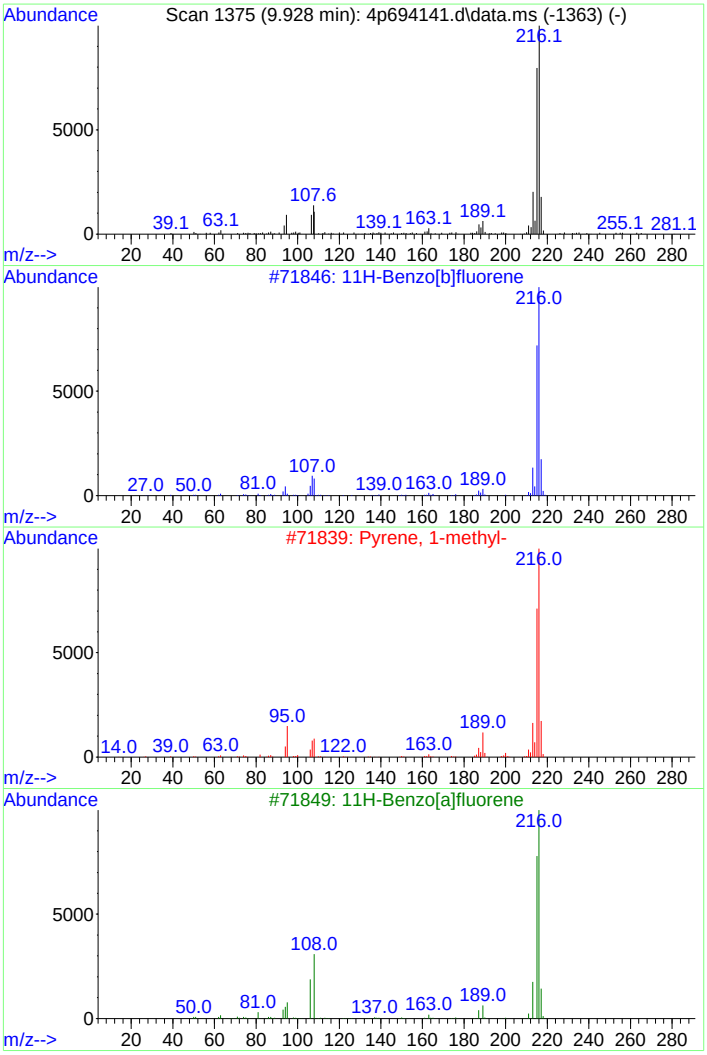
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

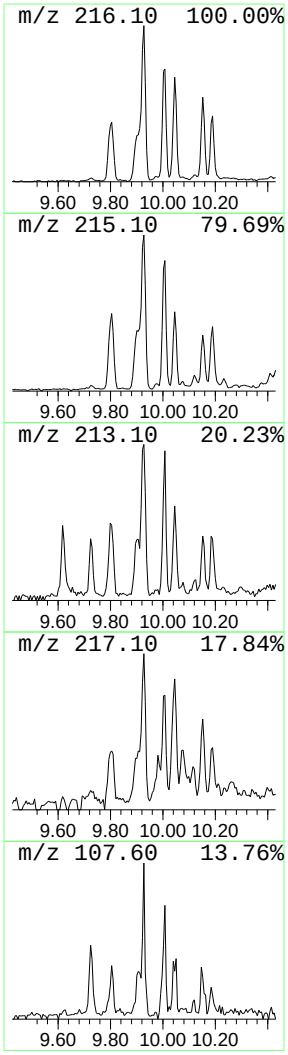
****

Peak Number 2 Pyrene, methyl Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.928	5.15 ppm	200714	Chrysene-d12	10.959

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694141.d
Acq On : 6 Dec 2024 11:56 am
Operator : kaleigh
Sample : je1536-3
Misc : op59876,e4p3703,30.00,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

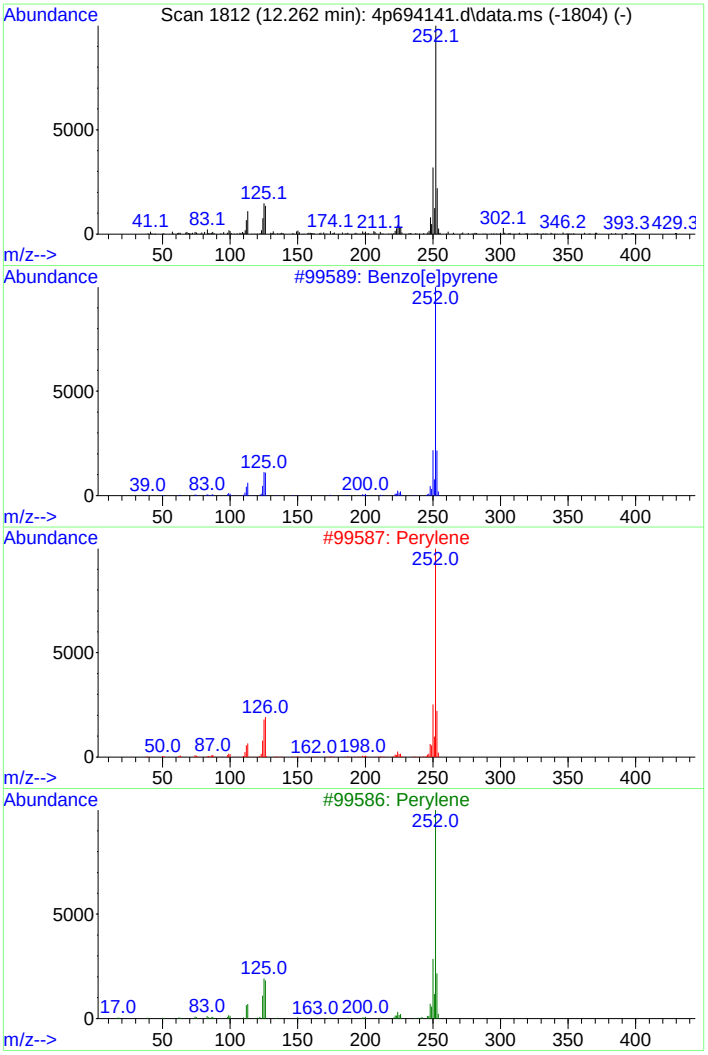
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

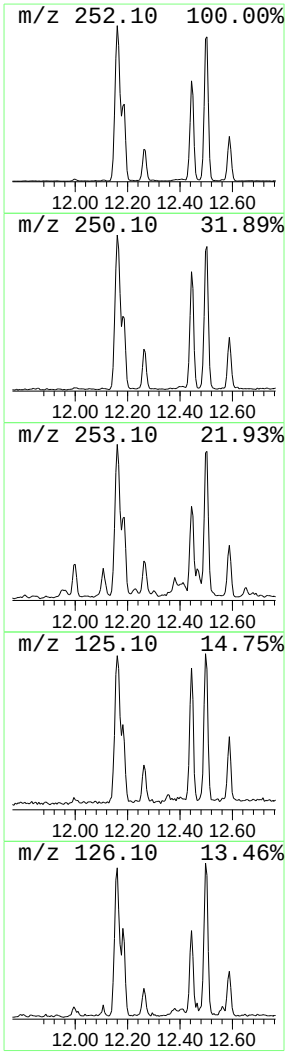
****

Peak Number 3 Unknown PAH substance Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.262	6.32 ppm	156913	Perylene-d12	12.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Perylene	252	C20H12	000198-55-0	97
3	Perylene	252	C20H12	000198-55-0	96
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694141.d
Acq On : 6 Dec 2024 11:56 am
Operator : kaleigh
Sample : je1536-3
Misc : op59876,e4p3703,30.00,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

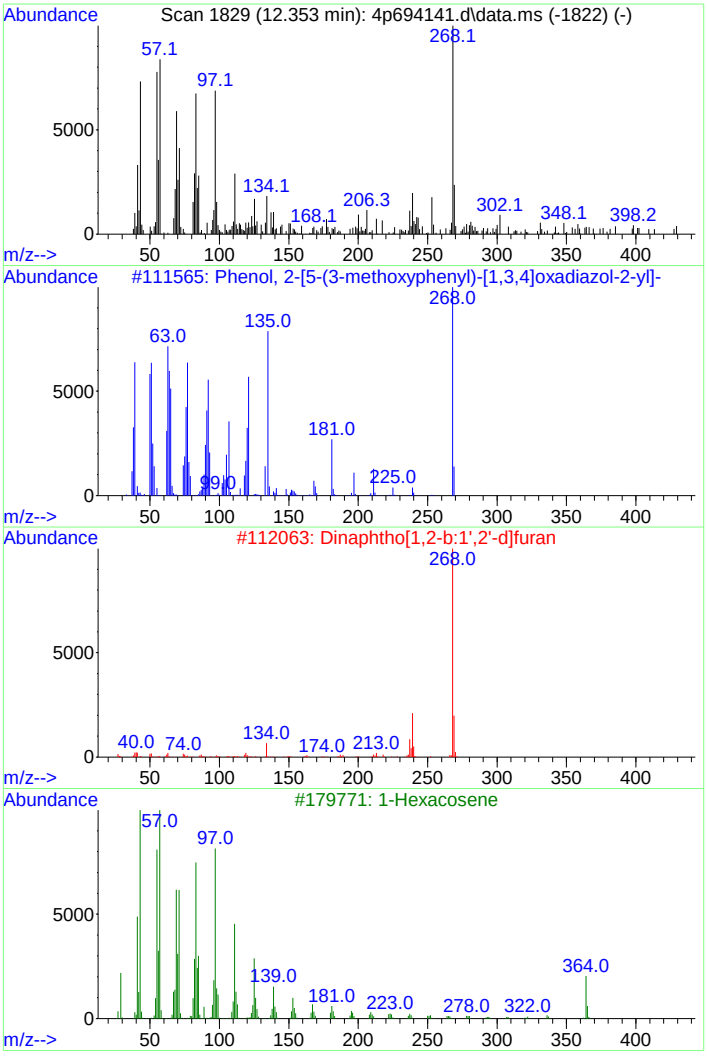
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

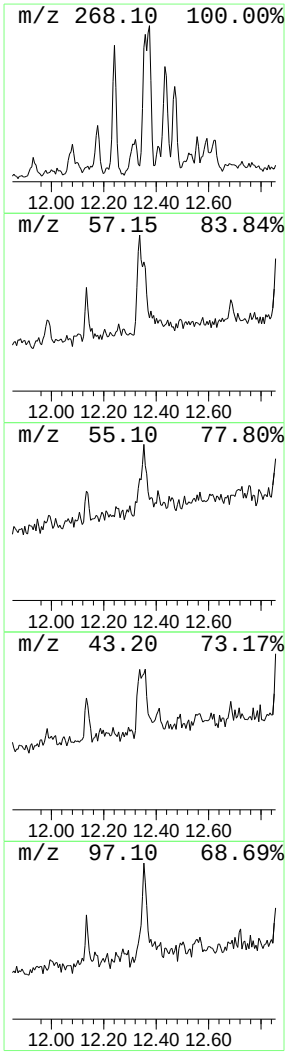
****

Peak Number 4 Unknown Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.353	5.89 ppm	146241	Perylene-d12	12.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-[5-(3-methoxyphenyl)-[...	268	C15H12N2O3	1000303-05-4	74
2	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	55
3	1-Hexacosene	364	C26H52	018835-33-1	47
4	Benzo(a)pyren-7-ol	268	C20H12O	037994-82-4	41
5	9,10-Anthracenedione, 1,4-diamin...	268	C15H12N2O3	002872-48-2	38





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694141.d
Acq On : 6 Dec 2024 11:56 am
Operator : kaleigh
Sample : je1536-3
Misc : op59876,e4p3703,30.00,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

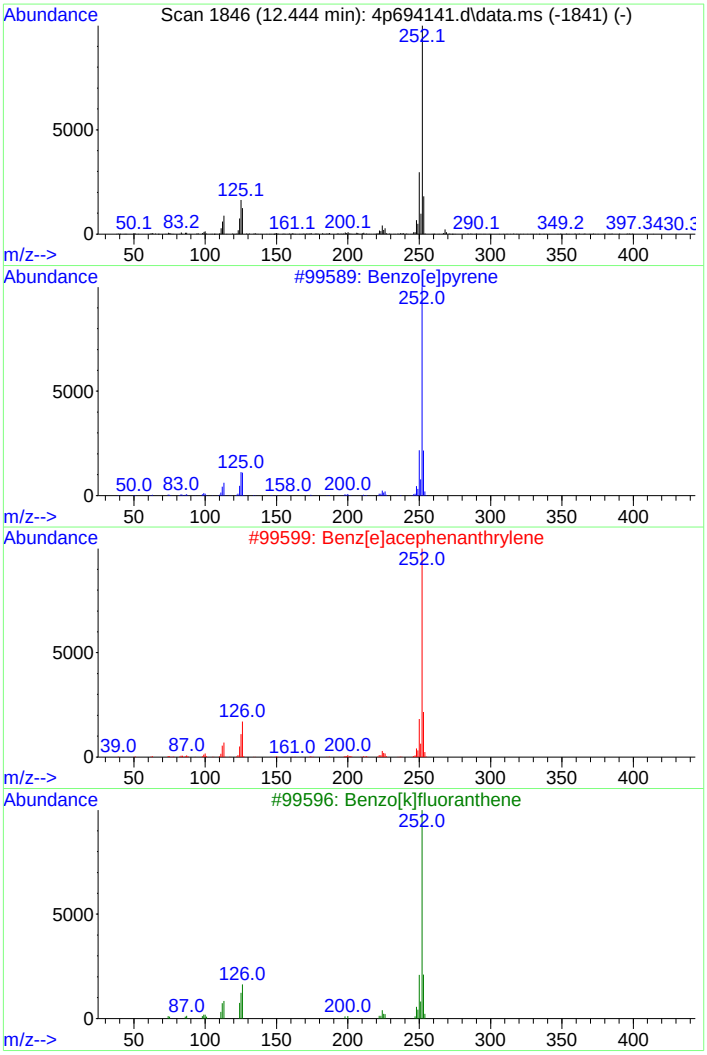
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

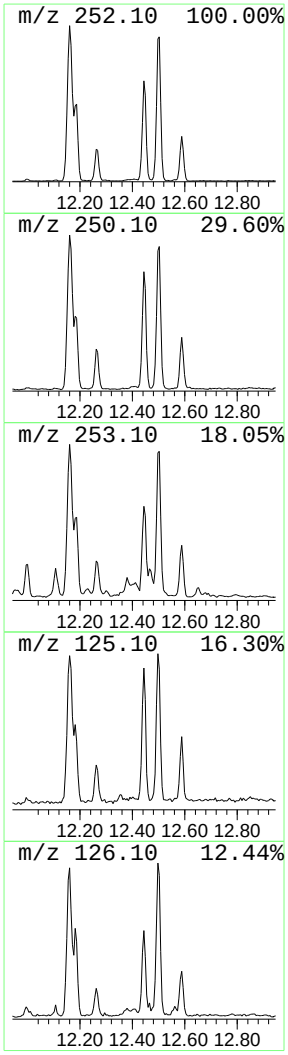
****

Peak Number 5 Unknown PAH substance Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.444	13.58 ppm	337125	Perylene-d12	12.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	92





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694141.d
Acq On : 6 Dec 2024 11:56 am
Operator : kaleigh
Sample : je1536-3
Misc : op59876,e4p3703,30.00,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

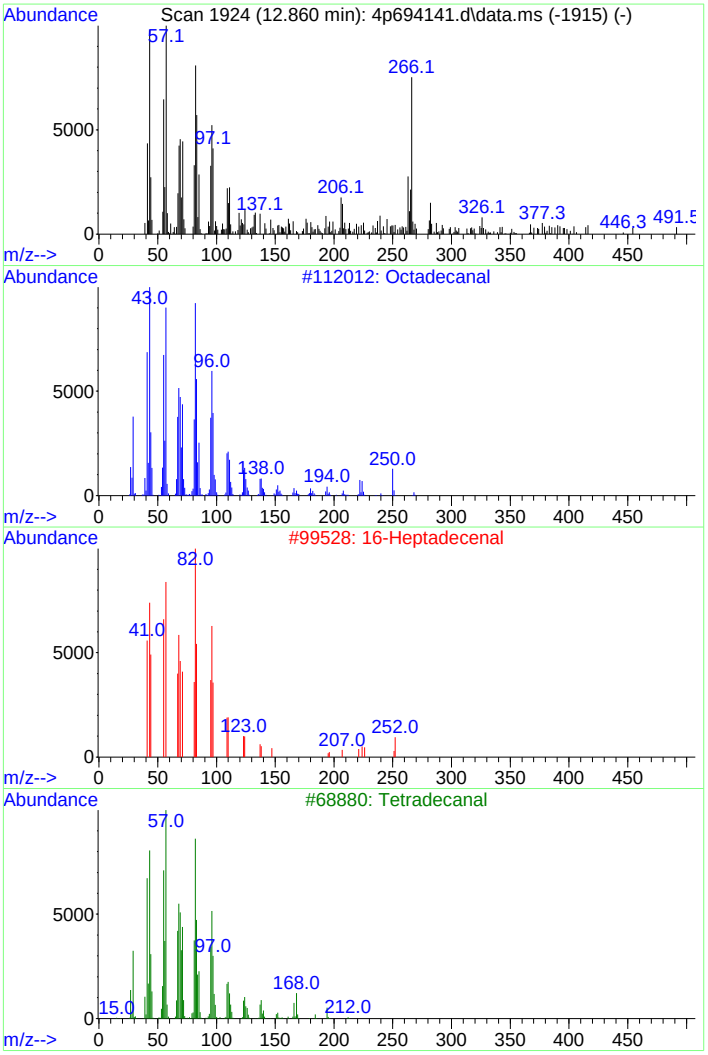
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

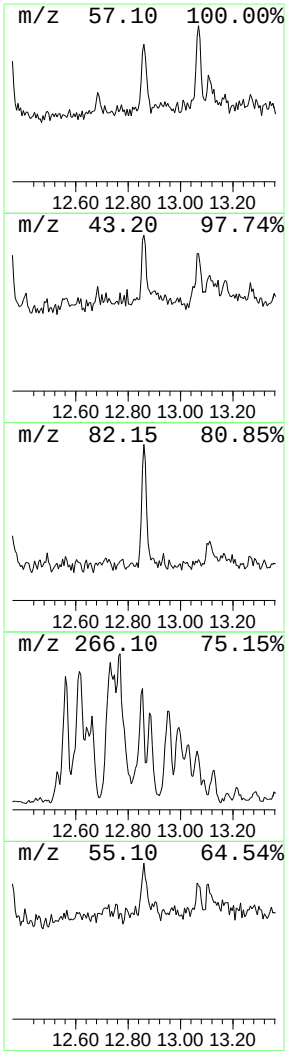
****

Peak Number 6 Unknown Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.860	8.62 ppm	213922	Perylene-d12	12.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanal	268	C18H36O	000638-66-4	64
2	16-Heptadecenal	252	C17H32O	1000144-57-9	45
3	Tetradecanal	212	C14H28O	000124-25-4	38
4	Tetradecanal	212	C14H28O	000124-25-4	38
5	3-Chloro-6-methyl-11H-indolo[3,2...	282	C16H11ClN2O	1000212-76-7	38





M4P3698.M Fri Dec 06 19:14:27 2024 Page: 10

Library Search Compound Report

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Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694141.d
Acq On    :  6 Dec 2024  11:56 am
Operator  : kaleigh
Sample    : je1536-3
Misc      : op59876,e4p3703,30.00,,,1,1
ALS Vial  : 8   Sample Multiplier: 1

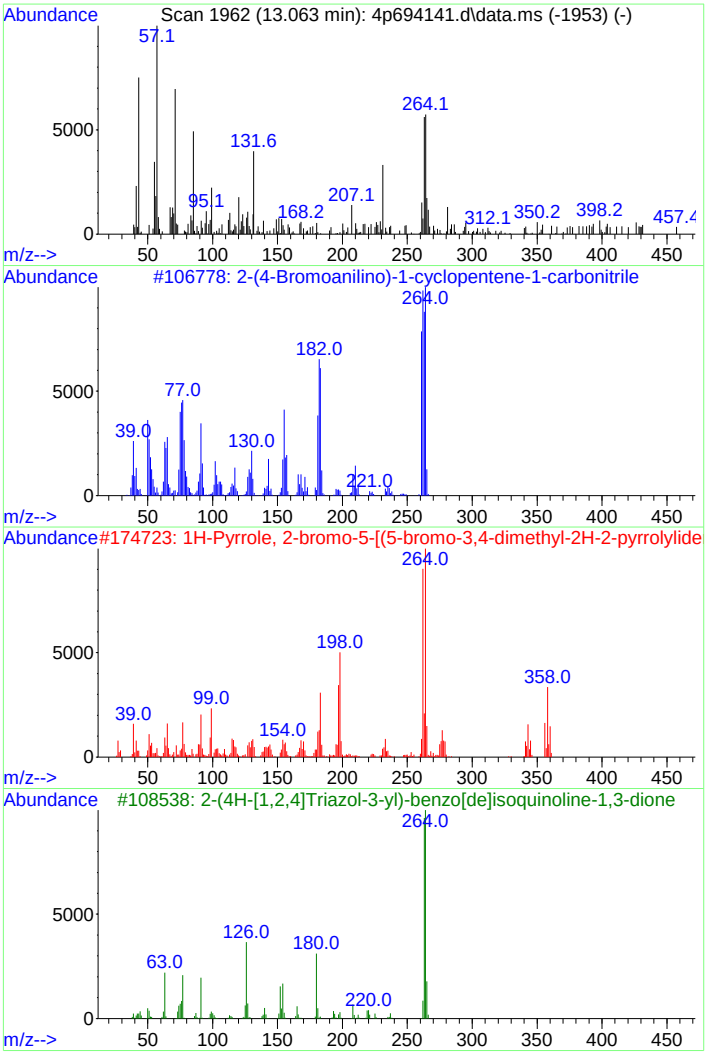
Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title  : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

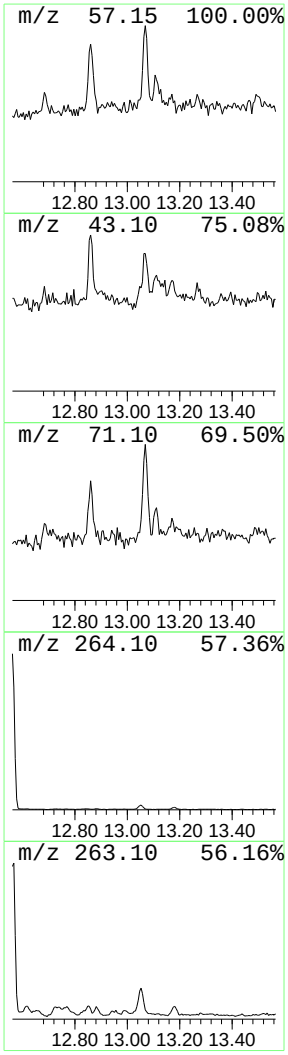
TIC Library   : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

**********************************************************************
Peak Number  7  Unknown                          Concentration Rank  7
```

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.063	5.13 ppm	127315	Perylene-d12	12.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-(4-Bromoanilino)-1-cyclopenten...	262	C12H11BrN2	191980-05-9	30
2	1H-Pyrrole, 2-bromo-5-[(5-bromo-...	356	C13H14Br2N2	006921-53-5	20
3	2-(4H-[1,2,4]Triazol-3-yl)-benzo...	264	C14H8N4O2	1000318-09-6	16
4	Pyrazol-5(4H)-one, 3-methyl-1-[4...	263	C11H17N7O	1000261-67-4	15
5	7,12a-Dimethyl-1,2,3,4,4a,11,12,...	264	C20H24	075758-27-9	12





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694141.d
Acq On : 6 Dec 2024 11:56 am
Operator : kaleigh
Sample : je1536-3
Misc : op59876,e4p3703,30.00,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

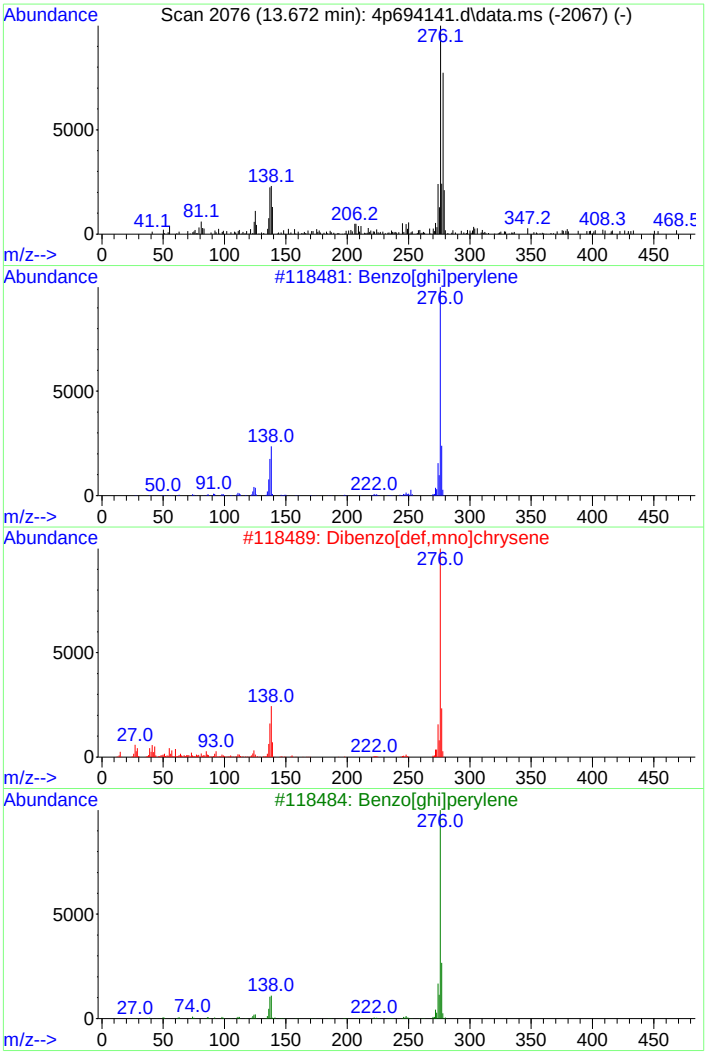
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

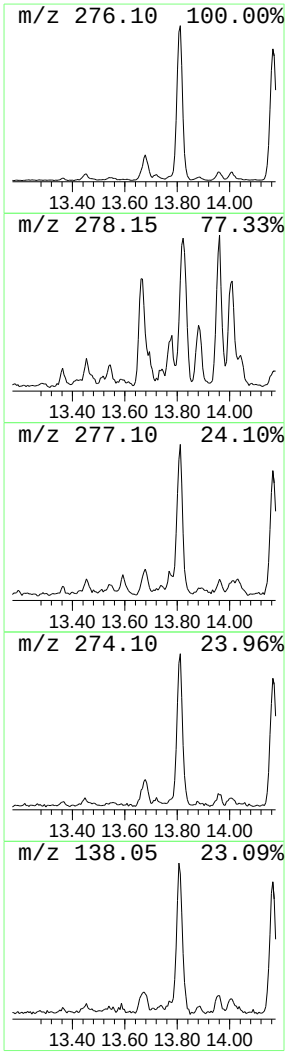
****

Peak Number 8 Unknown Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.672	4.90 ppm	121523	Perylene-d12	12.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]perylene	276	C22H12	000191-24-2	91
2	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	89
3	Benzo[ghi]perylene	276	C22H12	000191-24-2	70
4	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	70
5	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	64





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694141.d
Acq On : 6 Dec 2024 11:56 am
Operator : kaleigh
Sample : je1536-3
Misc : op59876,e4p3703,30.00,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

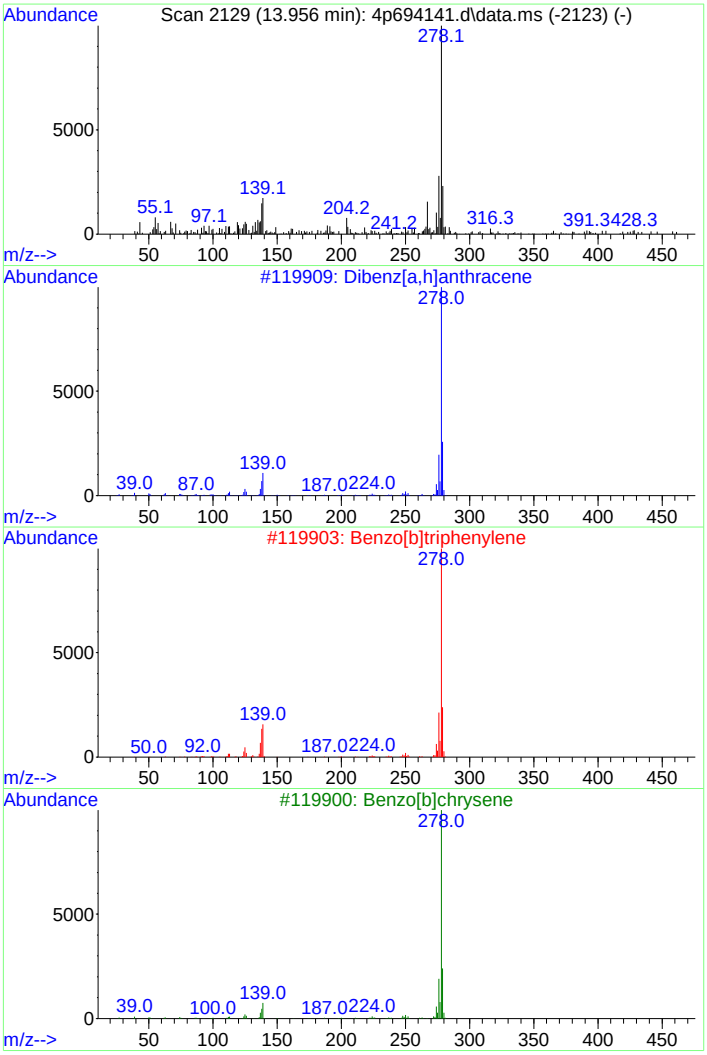
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

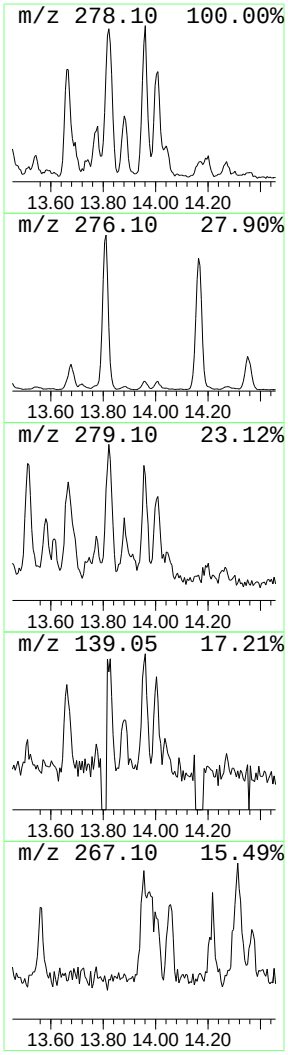
****

Peak Number 9 Unknown Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.956	5.01 ppm	124389	Perylene-d12	12.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	96
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	92
3	Benzo[b]chrysene	278	C22H14	000214-17-5	91
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	86
5	Benzo[a]naphthacene	278	C22H14	000226-88-0	86





Tentatively Identified Compound (LSC) summary

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694141.d
Acq On : 6 Dec 2024 11:56 am
Operator : kaleigh
Sample : je1536-3
Misc : op59876,e4p3703,30.00,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Unknown	9.447	5.2	ppm	98200	10	7.967	756443	40.0
Pyrene, methyl	9.928	5.2	ppm	200714	11	10.959	1558210	40.0
Unknown PAH sub...	12.262	6.3	ppm	156913	14	12.561	992891	40.0
Unknown	12.353	5.9	ppm	146241	14	12.561	992891	40.0
Unknown PAH sub...	12.444	13.6	ppm	337125	14	12.561	992891	40.0
Unknown	12.860	8.6	ppm	213922	14	12.561	992891	40.0
Unknown	13.063	5.1	ppm	127315	14	12.561	992891	40.0
Unknown	13.672	4.9	ppm	121523	14	12.561	992891	40.0
Unknown	13.956	5.0	ppm	124389	14	12.561	992891	40.0

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694142.d
Acq On : 6 Dec 2024 12:19 pm
Operator : kaleigh
Sample : je1536-4 Inst : GCMS4P
Misc : op59876,e4p3703,30.7,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 06 18:56:00 2024
Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Fri Dec 06 18:18:31 2024
Response via : Initial Calibration

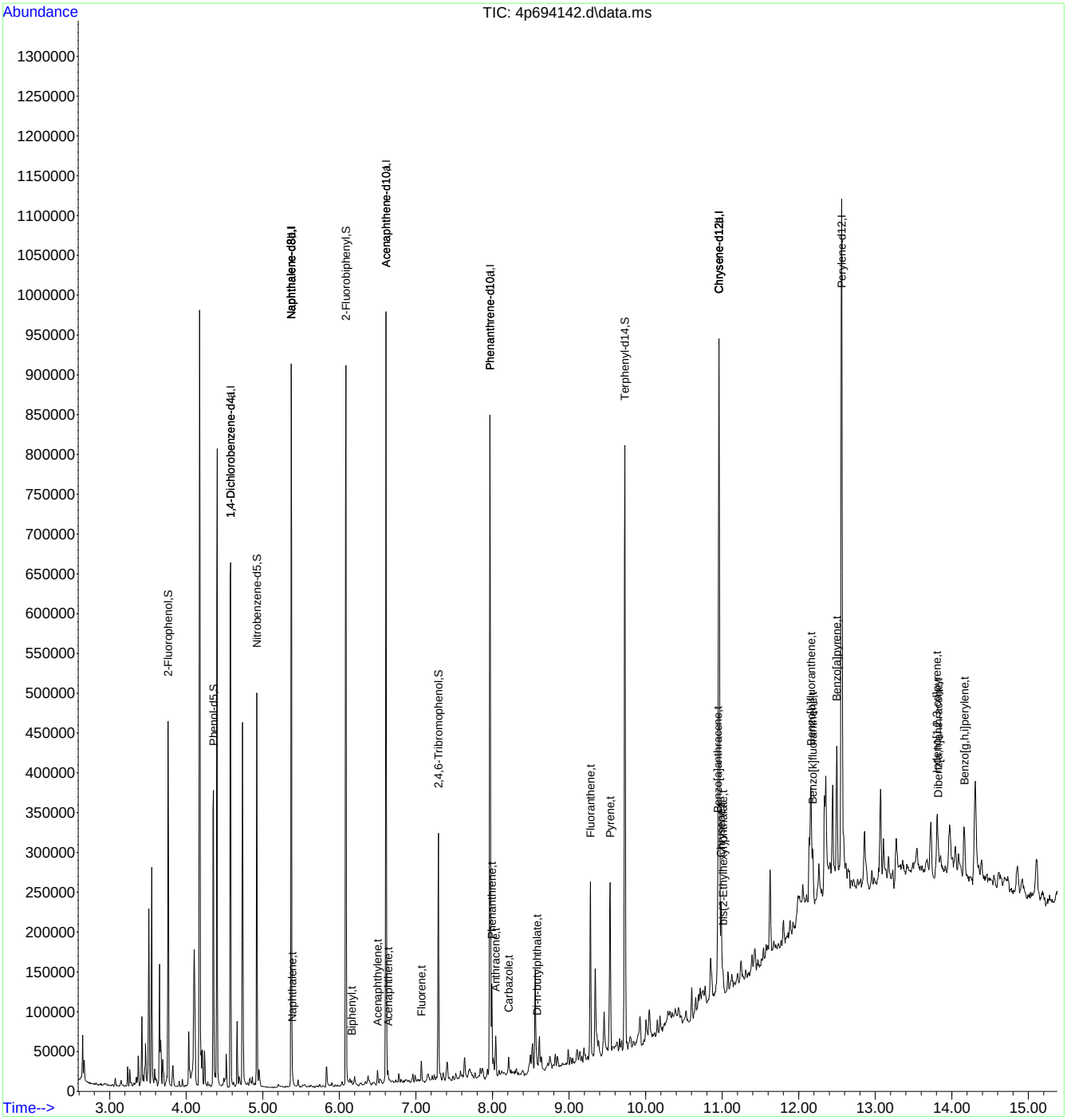
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.580	152	80753	40.00	ppm	0.00
24) Naphthalene-d8	5.371	136	303866	40.00	ppm	0.00
46) Acenaphthene-d10	6.610	164	169049	40.00	ppm	0.00
69) Phenanthrene-d10	7.967	188	280720	40.00	ppm	0.00
84) Chrysene-d12	10.959	240	294679	40.00	ppm	0.00
93) Perylene-d12	12.561	264	333428	40.00	ppm	0.00
103) 1,4-Dichlorobenzene-d4a	4.580	152	80753	40.00	ppm	0.00
105) Acenaphthene-d10a	6.610	164	169049	40.00	ppm	0.00
107) Chrysene-d12a	10.959	240	294679	40.00	ppm	0.00
109) Phenanthrene-d10a	7.967	188	280720	40.00	ppm	0.00
111) Naphthalene-d8a	5.371	136	303866	40.00	ppm	0.00
113) Chrysene-d12b	10.959	240	294679	40.00	ppm	0.00
115) Naphthalene-d8b	5.371	136	303866	40.00	ppm	0.00
118) Naphthalene-d8c	5.371	136	303866	40.00	ppm	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.763	112	88378	39.82	ppm	0.00
Spiked Amount 50.000			Recovery =	79.64%		
8) Phenol-d5	4.356	99	105804	36.23	ppm	0.01
Spiked Amount 50.000			Recovery =	72.46%		
25) Nitrobenzene-d5	4.922	82	101162	37.59	ppm	0.00
Spiked Amount 50.000			Recovery =	75.18%		
51) 2-Fluorobiphenyl	6.087	172	225030	39.09	ppm	0.00
Spiked Amount 50.000			Recovery =	78.18%		
74) 2,4,6-Tribromophenol	7.294	330	27939	39.50	ppm	0.00
Spiked Amount 50.000			Recovery =	79.00%		
87) Terphenyl-d14	9.730	244	254908	34.77	ppm	0.00
Spiked Amount 50.000			Recovery =	69.54%		
108) 1-chlorooctadecane	0.000	57	0d	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
110) o-terphenyl	0.000	230	0	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
38) Naphthalene	5.387	128	2450	0.3084	ppm	93
53) Biphenyl	6.161	154	1051	0.1638	ppm	92
56) Acenaphthylene	6.498	152	5795	0.8409	ppm	88
59) Acenaphthene	6.637	153	1957	0.3716	ppm	97
66) Fluorene	7.070	166	4174	0.7318	ppm	82
78) Phenanthrene	7.994	178	43009	5.4737	ppm	97
79) Anthracene	8.042	178	15426	1.9972	ppm	97
80) Carbazole	8.213	167	3677	0.5183	ppm	100
81) Di-n-butylphthalate	8.581	149	1532	0.1823	ppm	79
82) Fluoranthene	9.281	202	92046	10.8023	ppm	97
86) Pyrene	9.538	202	87507	8.4399	ppm	99
89) Benzo[a]anthracene	10.943	228	53144	5.5468	ppm	93
91) Chrysene	10.985	228	50331	5.4487	ppm	98
92) bis(2-Ethylhexyl)phtha...	11.012	149	5129	0.8405	ppm	86
95) Benzo[b]fluoranthene	12.161	252	80563	7.8058	ppm	97
96) Benzo[k]fluoranthene	12.182	252	22766	2.3263	ppm	94
97) Benzo[a]pyrene	12.497	252	63440	7.2706	ppm	98
98) Indeno[1,2,3-cd]pyrene	13.806	276	43716	3.7626	ppm	98
100) Dibenz[a,h]anthracene	13.822	278	11653	1.2367	ppm	88
102) Benzo[g,h,i]perylene	14.164	276	43373	4.9306	ppm	98

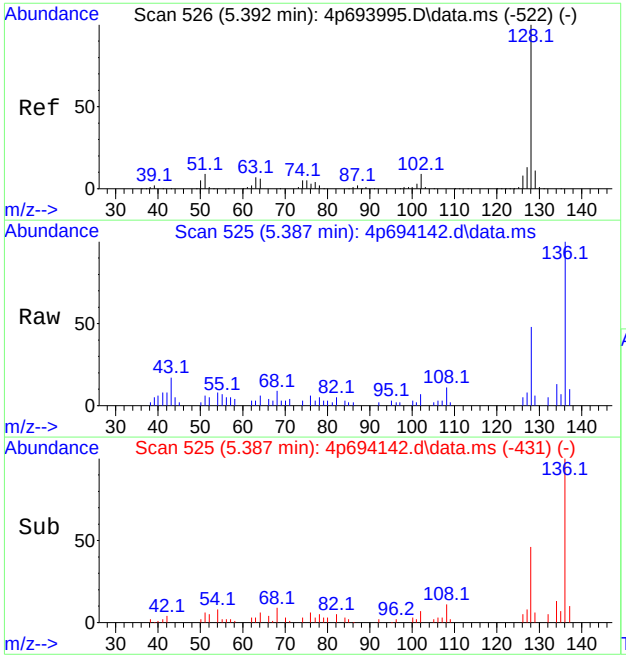
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694142.d
Acq On : 6 Dec 2024 12:19 pm
Operator : kaleigh
Sample : je1536-4 Inst : GCMS4P
Misc : op59876,e4p3703,30.7,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 06 18:56:00 2024
Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Fri Dec 06 18:18:31 2024
Response via : Initial Calibration

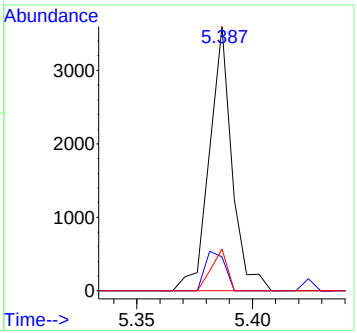


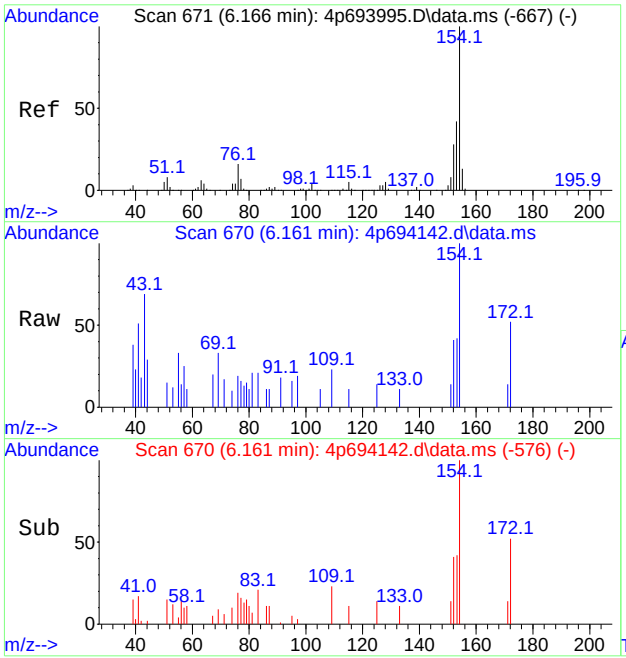


#38
Naphthalene
Concen: 0.3084 ppm
RT: 5.387 min Scan# 525
Delta R.T. 0.000 min
Lab File: 4p694142.d
Acq: 6 Dec 2024 12:19 pm

Tgt Ion:128 Resp: 2450

Ion	Ratio	Lower	Upper
128	100		
129	12.8	0.0	40.8
127	15.8	0.0	42.7

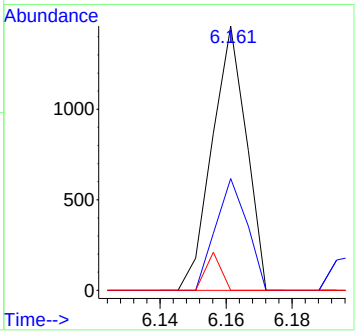


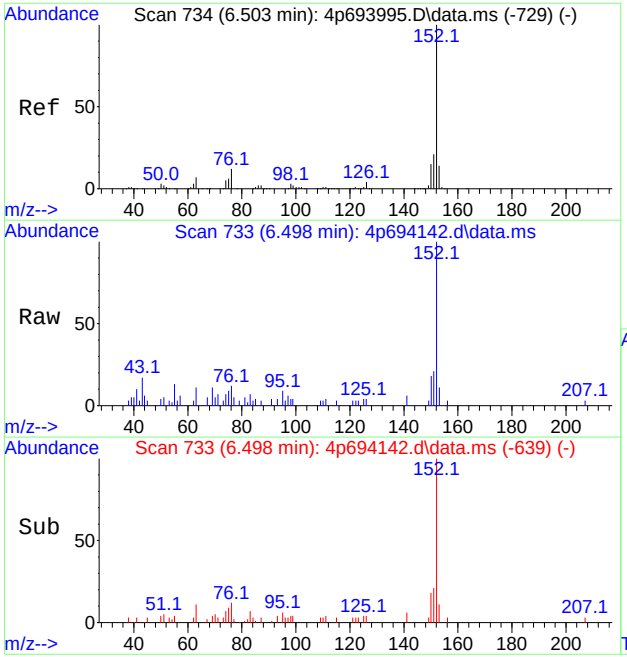


#53
Biphenyl
Concen: 0.1638 ppm
RT: 6.161 min Scan# 670
Delta R.T. 0.000 min
Lab File: 4p694142.d
Acq: 6 Dec 2024 12:19 pm

Tgt Ion:154 Resp: 1051

Ion	Ratio	Lower	Upper
154	100		
153	42.3	11.9	71.9
155	0.0	0.0	43.1

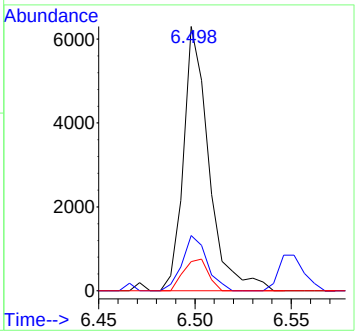


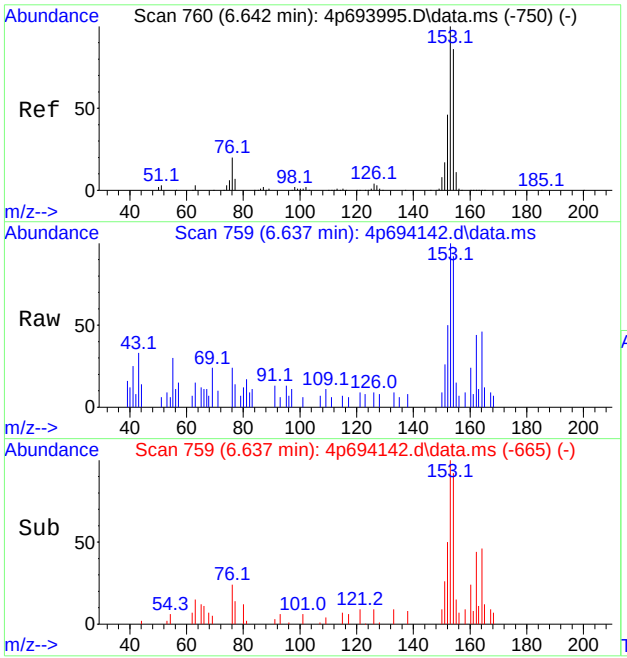


#56
Acenaphthylene
Concen: 0.8409 ppm
RT: 6.498 min Scan# 733
Delta R.T. 0.000 min
Lab File: 4p694142.d
Acq: 6 Dec 2024 12:19 pm

Tgt Ion:152 Resp: 5795

Ion	Ratio	Lower	Upper
152	100		
151	14.1	0.0	51.0
153	11.1	0.0	44.1

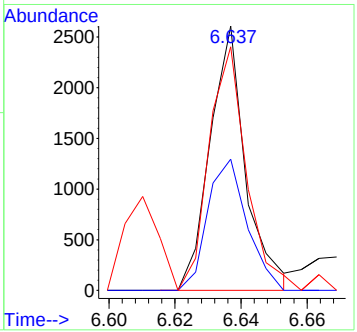


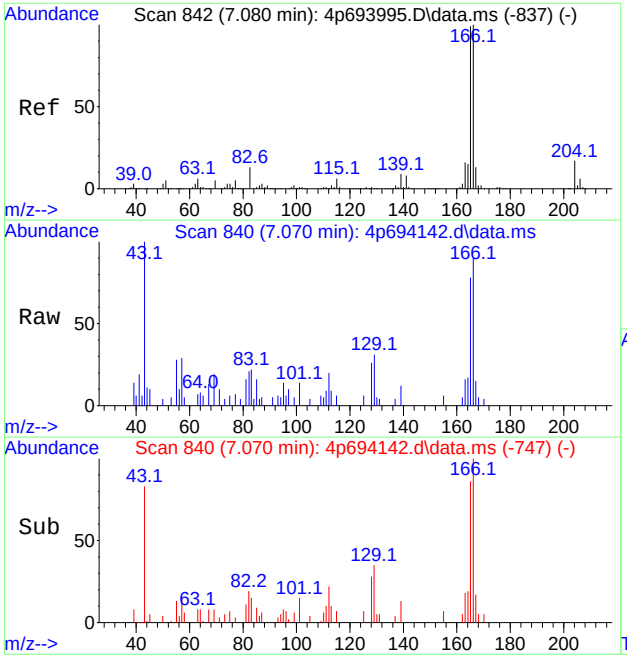


#59
Acenaphthene
Concen: 0.3716 ppm
RT: 6.637 min Scan# 759
Delta R.T. 0.000 min
Lab File: 4p694142.d
Acq: 6 Dec 2024 12:19 pm

Tgt Ion:153 Resp: 1957

Ion	Ratio	Lower	Upper
153	100		
152	51.2	17.0	77.0
154	82.0	51.7	111.7

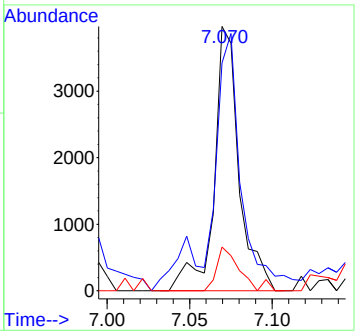


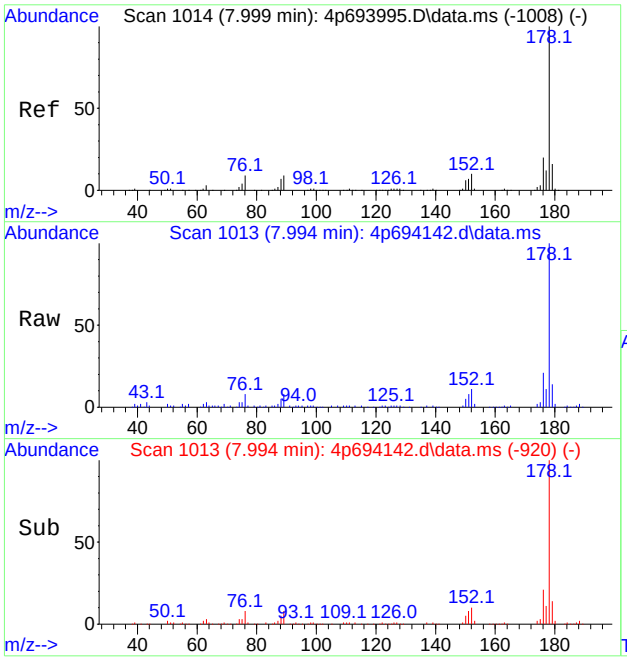


#66
Fluorene
Concen: 0.7318 ppm
RT: 7.070 min Scan# 840
Delta R.T. -0.005 min
Lab File: 4p694142.d
Acq: 6 Dec 2024 12:19 pm

Tgt Ion:166 Resp: 4174

Ion	Ratio	Lower	Upper
166	100		
165	81.0	70.1	130.1
167	16.6	0.0	43.7

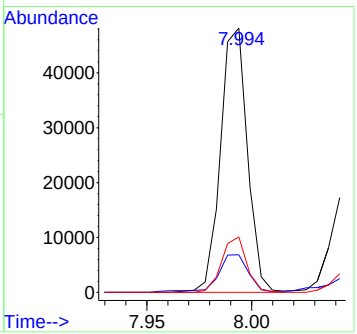


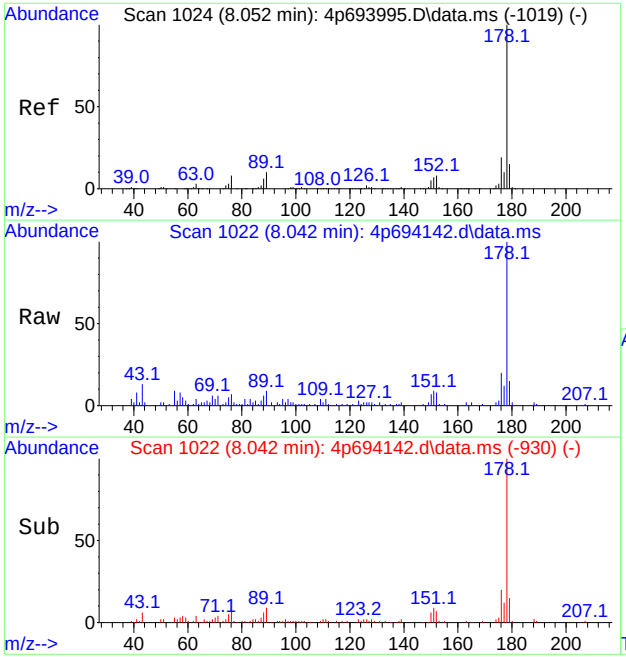


#78
Phenanthrene
Concen: 5.4737 ppm
RT: 7.994 min Scan# 1013
Delta R.T. -0.005 min
Lab File: 4p694142.d
Acq: 6 Dec 2024 12:19 pm

Tgt Ion:178 Resp: 43009

Ion	Ratio	Lower	Upper
178	100		
179	13.8	0.0	45.1
176	21.0	0.0	49.7

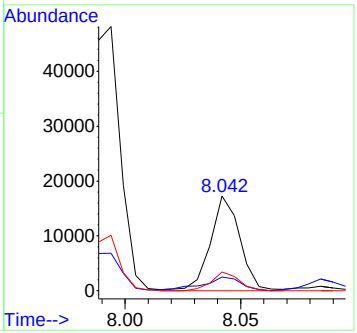


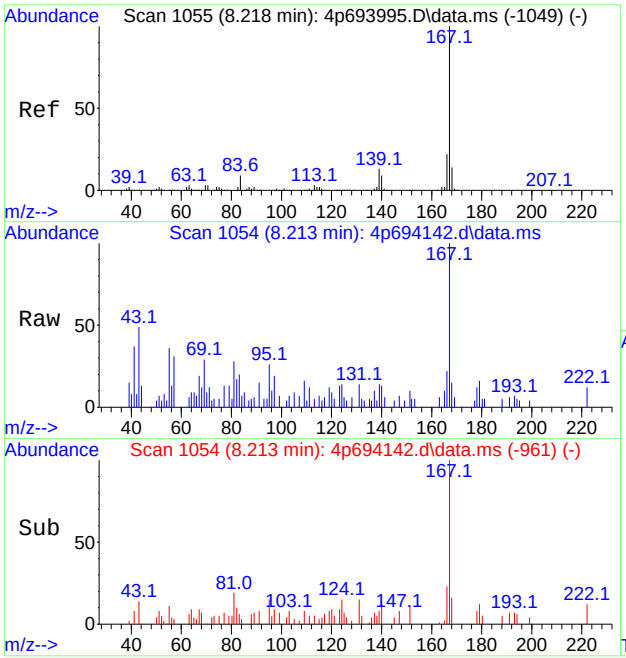


#79
Anthracene
Concen: 1.9972 ppm
RT: 8.042 min Scan# 1022
Delta R.T. -0.010 min
Lab File: 4p694142.d
Acq: 6 Dec 2024 12:19 pm

Tgt Ion:178 Resp: 15426

Ion	Ratio	Lower	Upper
178	100		
179	13.3	0.0	45.3
176	20.2	0.0	49.3

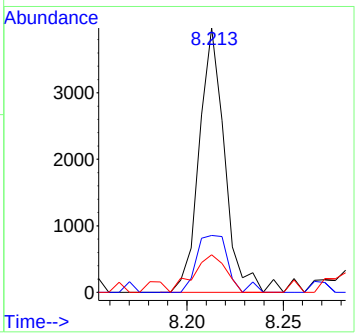


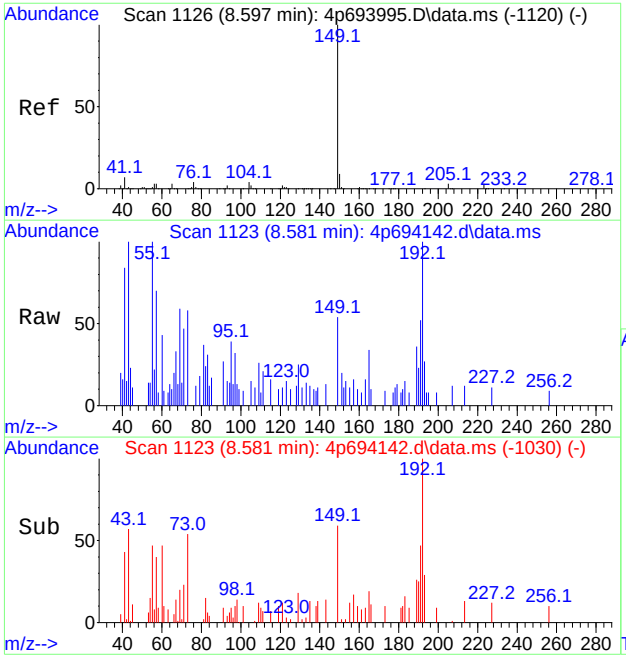


#80
Carbazole
Concen: 0.5183 ppm
RT: 8.213 min Scan# 1054
Delta R.T. -0.005 min
Lab File: 4p694142.d
Acq: 6 Dec 2024 12:19 pm

Tgt Ion:167 Resp: 3677

Ion	Ratio	Lower	Upper
167	100		
166	21.6	0.0	51.7
139	12.3	0.0	42.5

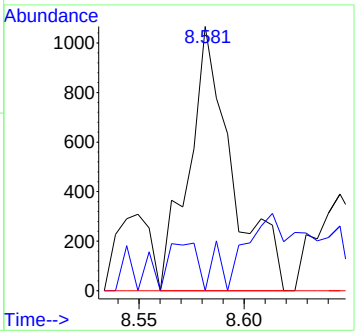


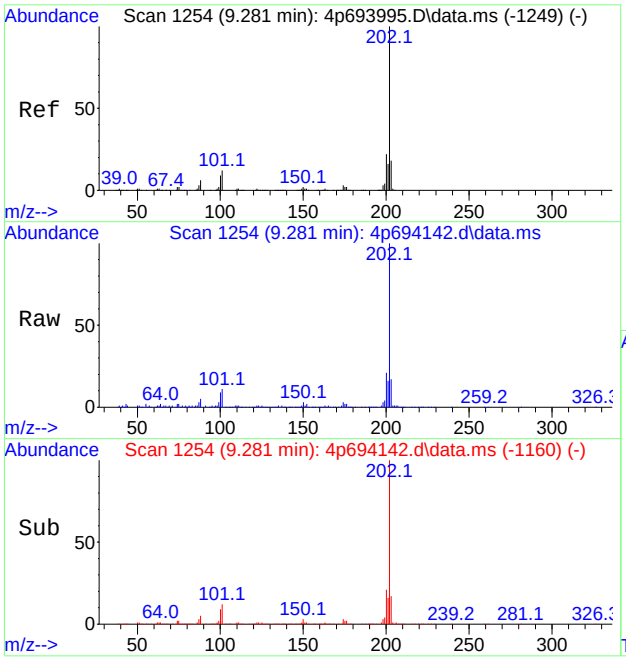


#81
Di-n-butylphthalate
Concen: 0.1823 ppm
RT: 8.581 min Scan# 1123
Delta R.T. -0.005 min
Lab File: 4p694142.d
Acq: 6 Dec 2024 12:19 pm

Tgt Ion:149 Resp: 1532

Ion	Ratio	Lower	Upper
149	100		
150	0.0	0.0	39.0
104	0.0	0.0	34.6

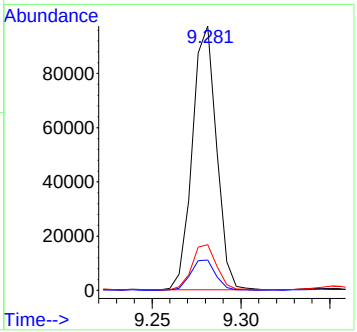


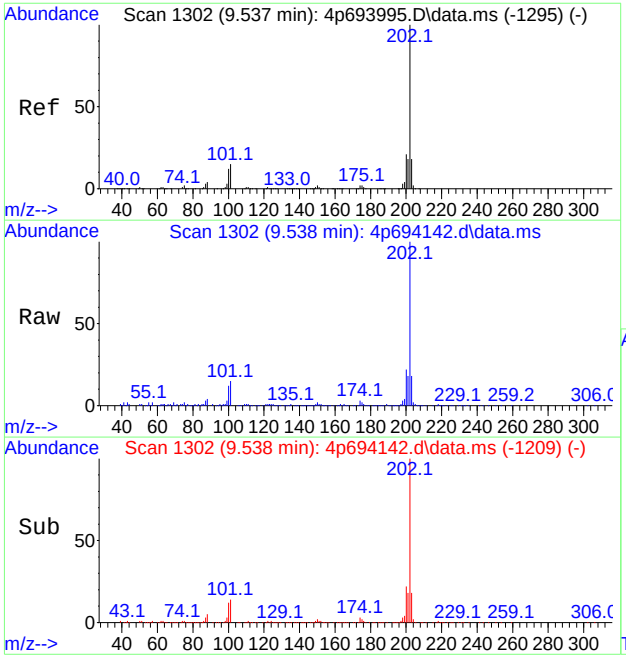


#82
Fluoranthene
Concen: 10.8023 ppm
RT: 9.281 min Scan# 1254
Delta R.T. 0.000 min
Lab File: 4p694142.d
Acq: 6 Dec 2024 12:19 pm

Tgt Ion:202 Resp: 92046

Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	43.3
203	17.1	0.0	48.2

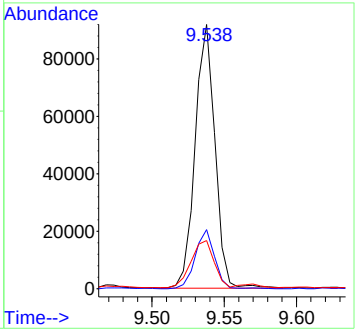


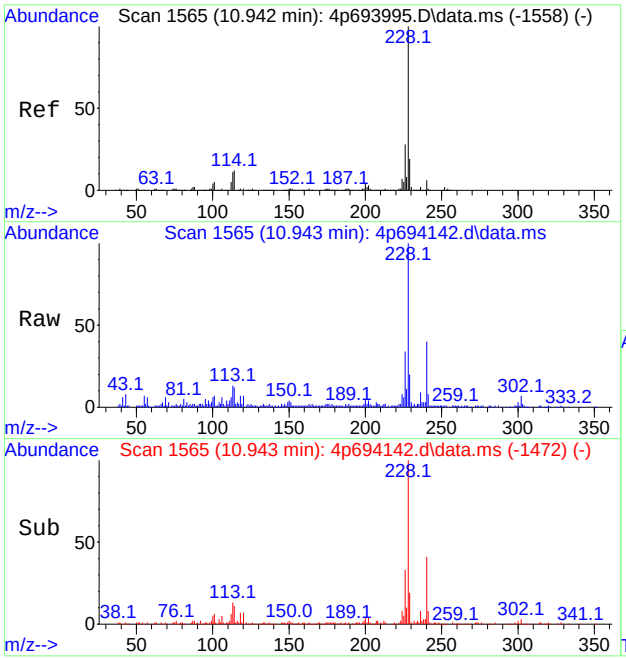


#86
Pyrene
Concen: 8.4399 ppm
RT: 9.538 min Scan# 1302
Delta R.T. -0.005 min
Lab File: 4p694142.d
Acq: 6 Dec 2024 12:19 pm

Tgt Ion:202 Resp: 87507

Ion	Ratio	Lower	Upper
202	100		
200	22.5	0.0	52.1
203	17.9	0.0	47.5

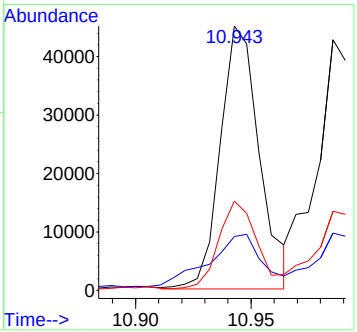


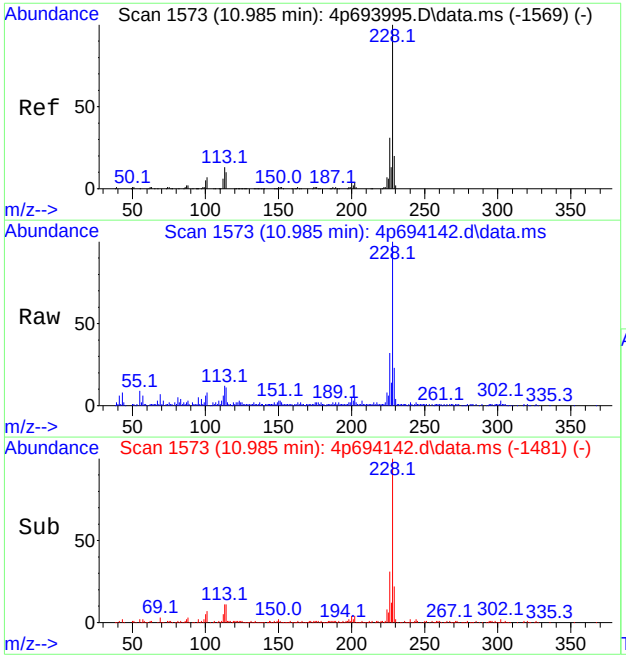


#89
Benzo[a]anthracene
Concen: 5.5468 ppm
RT: 10.943 min Scan# 1565
Delta R.T. -0.005 min
Lab File: 4p694142.d
Acq: 6 Dec 2024 12:19 pm

Tgt Ion:228 Resp: 53144

Ion	Ratio	Lower	Upper
228	100		
229	18.4	0.0	49.7
226	33.5	0.0	58.6

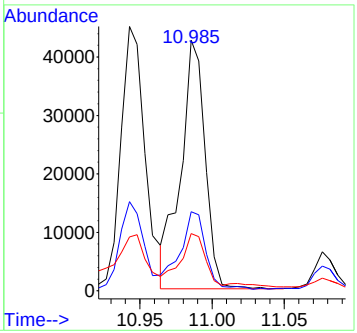


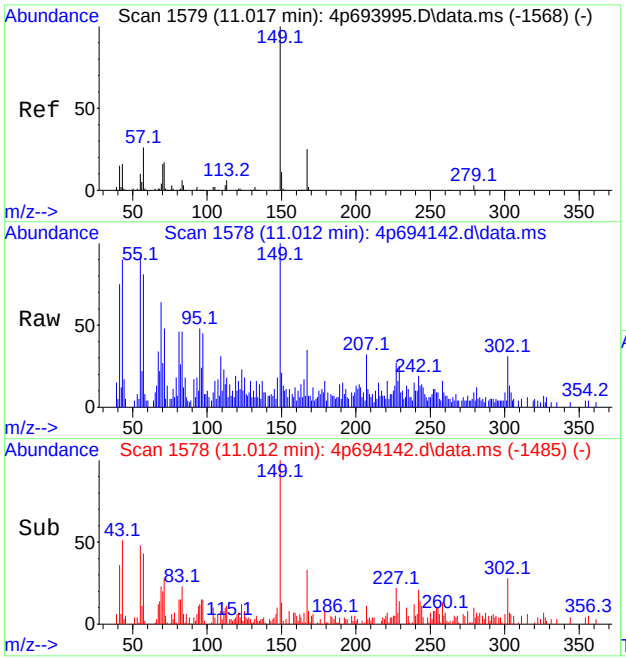


#91
Chrysene
Concen: 5.4487 ppm
RT: 10.985 min Scan# 1573
Delta R.T. -0.010 min
Lab File: 4p694142.d
Acq: 6 Dec 2024 12:19 pm

Tgt Ion:228 Resp: 50331

Ion	Ratio	Lower	Upper
228	100		
226	30.8	1.6	61.6
229	21.2	0.0	50.0

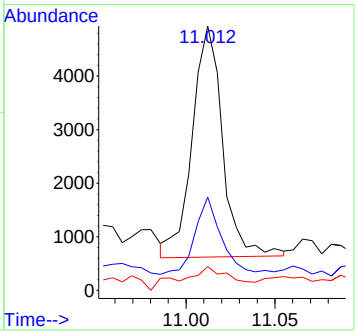


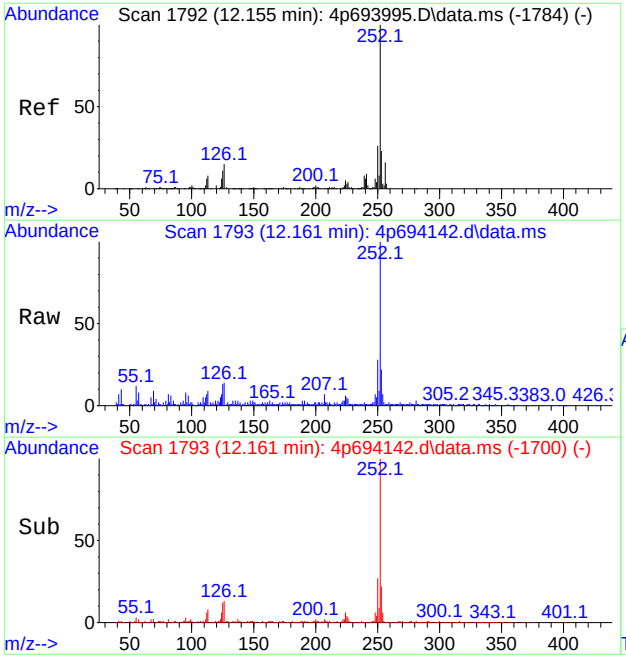


#92
bis(2-Ethylhexyl)phthalate
Concen: 0.8405 ppm
RT: 11.012 min Scan# 1578
Delta R.T. -0.005 min
Lab File: 4p694142.d
Acq: 6 Dec 2024 12:19 pm

Tgt Ion:149 Resp: 5129

Ion	Ratio	Lower	Upper
149	100		
167	33.9	0.0	56.0
279	4.9	0.0	33.1

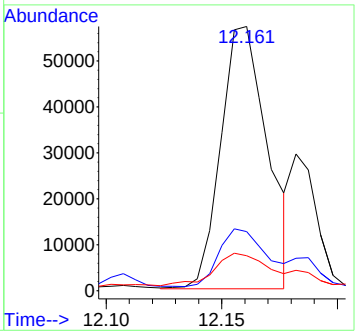


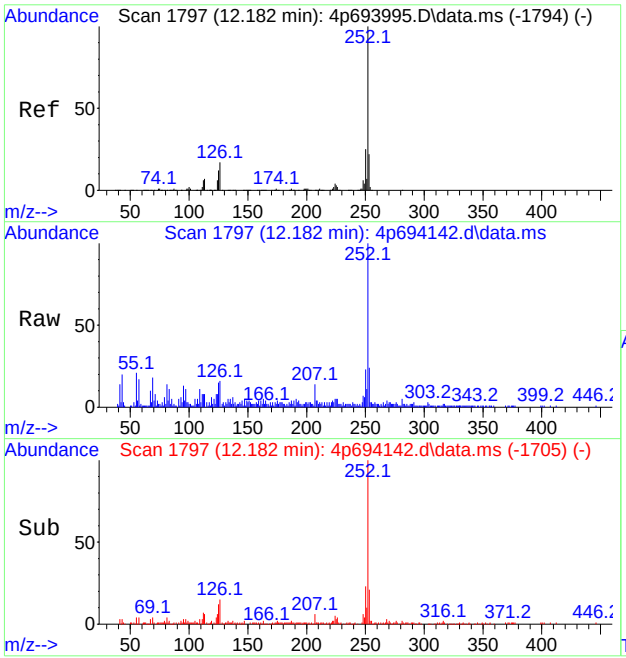


#95
Benzo[b]fluoranthene
Concen: 7.8058 ppm
RT: 12.161 min Scan# 1793
Delta R.T. -0.005 min
Lab File: 4p694142.d
Acq: 6 Dec 2024 12:19 pm

Tgt Ion:252 Resp: 80563

Ion	Ratio	Lower	Upper
252	100		
253	20.3	0.0	52.2
125	11.2	0.0	41.9

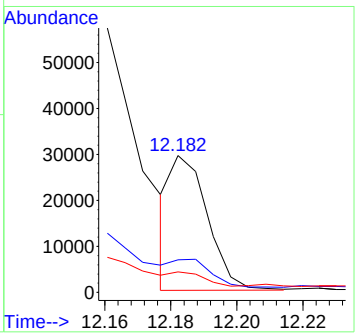


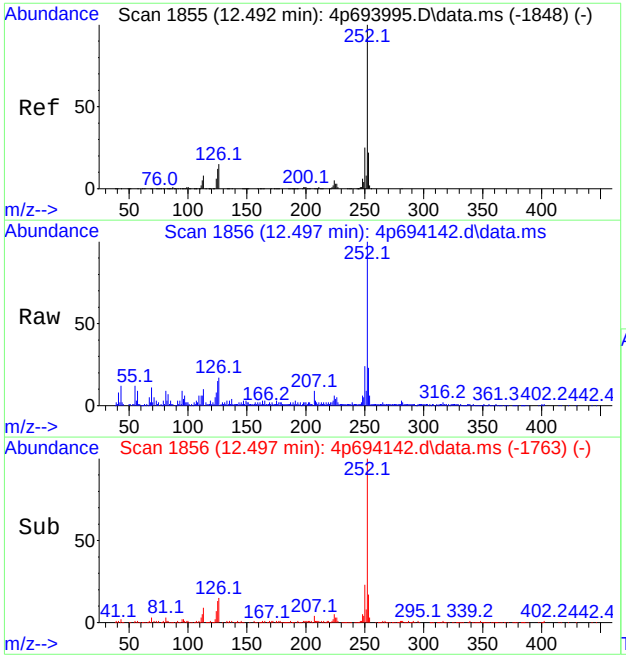


#96
Benzo[k]fluoranthene
Concen: 2.3263 ppm
RT: 12.182 min Scan# 1797
Delta R.T. -0.010 min
Lab File: 4p694142.d
Acq: 6 Dec 2024 12:19 pm

Tgt Ion:252 Resp: 22766

Ion	Ratio	Lower	Upper
252	100		
253	19.0	0.0	51.9
125	10.0	0.0	41.8

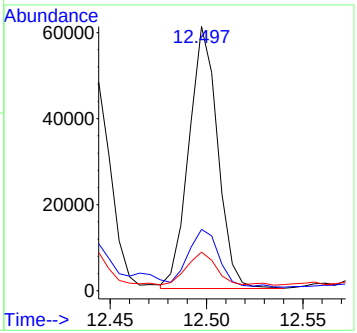


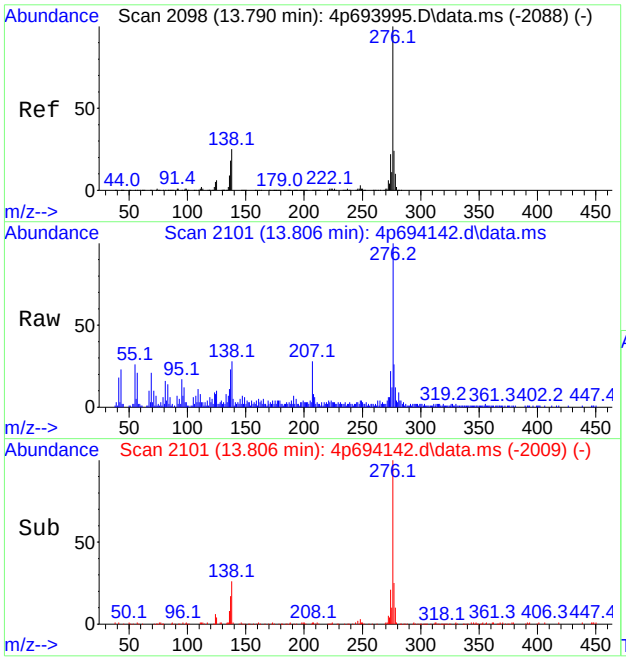


#97
Benzo[a]pyrene
Concen: 7.2706 ppm
RT: 12.497 min Scan# 1856
Delta R.T. -0.005 min
Lab File: 4p694142.d
Acq: 6 Dec 2024 12:19 pm

Tgt Ion:252 Resp: 63440

Ion	Ratio	Lower	Upper
252	100		
253	20.8	0.0	52.0
125	12.6	0.0	43.3

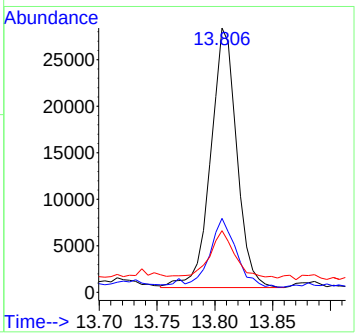


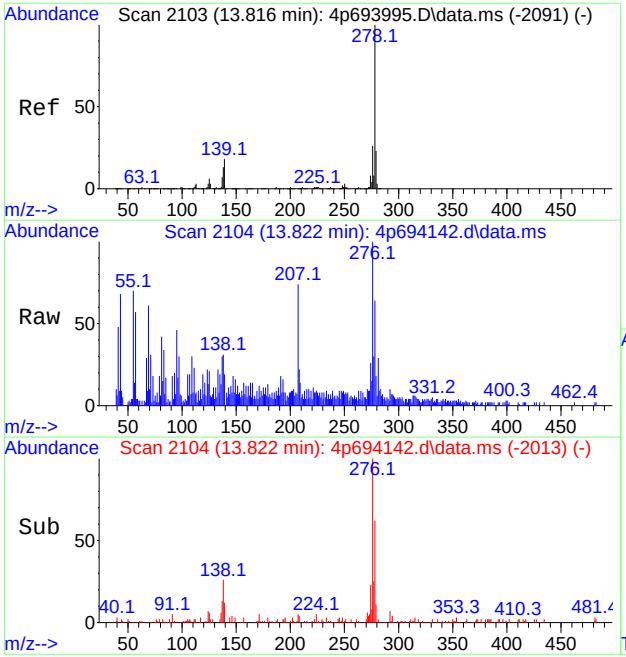


#98
Indeno[1,2,3-cd]pyrene
Concen: 3.7626 ppm
RT: 13.806 min Scan# 2101
Delta R.T. -0.010 min
Lab File: 4p694142.d
Acq: 6 Dec 2024 12:19 pm

Tgt Ion:276 Resp: 43716

Ion	Ratio	Lower	Upper
276	100		
138	26.0	0.0	55.0
137	17.2	0.0	47.6

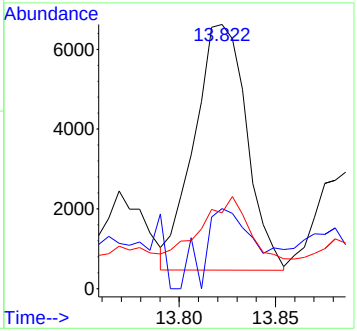


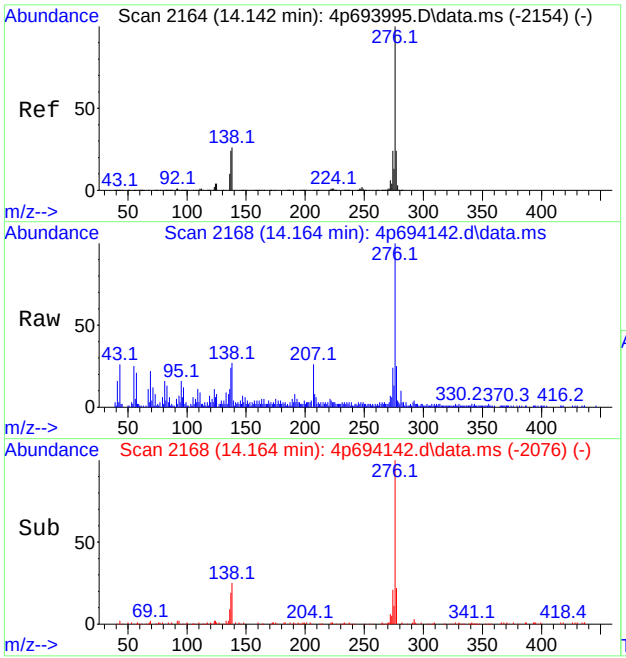


#100
Dibenz[a,h]anthracene
Concen: 1.2367 ppm
RT: 13.822 min Scan# 2104
Delta R.T. -0.016 min
Lab File: 4p694142.d
Acq: 6 Dec 2024 12:19 pm

Tgt Ion:278 Resp: 11653

Ion	Ratio	Lower	Upper
278	100		
139	10.0	0.0	48.0
279	18.8	0.0	52.2

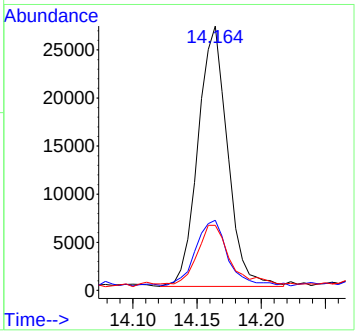




#102
Benzo[g,h,i]perylene
Concen: 4.9306 ppm
RT: 14.164 min Scan# 2168
Delta R.T. -0.010 min
Lab File: 4p694142.d
Acq: 6 Dec 2024 12:19 pm

Tgt Ion:276 Resp: 43373

Ion	Ratio	Lower	Upper
276	100		
138	24.7	0.0	55.7
277	22.6	0.0	53.4



LSC Area Percent Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694142.d
Acq On : 6 Dec 2024 12:19 pm
Operator : kaleigh
Sample : je1536-4
Misc : op59876,e4p3703,30.7,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.02 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 7

Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

Signal : TIC: 4p694142.d\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.371	514	522	534	rBV	908775	626469	58.51%	5.122%
2	5.830	605	608	616	rBV	25868	29312	2.74%	0.240%
3	6.087	651	656	663	rBV	904122	653340	61.02%	5.341%
4	6.199	672	677	687	rVB7	11960	18875	1.76%	0.154%
5	6.375	706	710	718	rVB4	12095	19380	1.81%	0.158%
6	6.610	746	754	766	rBV	969478	727982	67.99%	5.952%
7	7.070	835	840	849	rVB	27232	28235	2.64%	0.231%
8	7.160	849	857	863	rBV7	11257	24978	2.33%	0.204%
9	7.294	875	882	891	rVB	310350	262501	24.52%	2.146%
10	7.406	898	903	907	rBV	23093	31917	2.98%	0.261%
11	7.636	942	946	952	rVB2	25079	28553	2.67%	0.233%
12	7.700	952	958	969	rVB4	11745	31023	2.90%	0.254%
13	7.844	975	985	987	rBV5	12841	18538	1.73%	0.152%
14	7.871	987	990	996	rVB4	14454	21369	2.00%	0.175%
15	7.967	1004	1008	1019	rBV2	828683	820370	76.62%	6.707%
16	8.042	1019	1022	1026	rVB	50260	46611	4.35%	0.381%
17	8.213	1047	1054	1058	rBV2	23161	29021	2.71%	0.237%
18	8.496	1097	1107	1109	rBV	25038	42807	4.00%	0.350%
19	8.523	1109	1112	1115	rVB2	31025	33573	3.14%	0.274%
20	8.560	1115	1119	1126	rBV2	124478	131075	12.24%	1.072%
21	8.614	1126	1129	1132	rBV	36602	36354	3.40%	0.297%
22	8.640	1132	1134	1142	rVB	17383	18825	1.76%	0.154%
23	8.752	1151	1155	1160	rVB8	15583	22598	2.11%	0.185%
24	8.822	1160	1168	1170	rBV	18134	23423	2.19%	0.191%
25	9.105	1215	1221	1224	rBV	17490	24474	2.29%	0.200%
26	9.196	1235	1238	1244	rBV3	18184	25527	2.38%	0.209%
27	9.281	1249	1254	1261	rBV	223776	226387	21.14%	1.851%
28	9.340	1261	1265	1272	rBV2	110033	147381	13.77%	1.205%
29	9.383	1272	1273	1280	rVB	19666	21776	2.03%	0.178%
30	9.458	1280	1287	1296	rBV4	56164	92733	8.66%	0.758%
31	9.538	1297	1302	1306	rBV	211411	221577	20.70%	1.812%
32	9.623	1312	1318	1322	rVB5	11735	21928	2.05%	0.179%
33	9.730	1332	1338	1345	rBV	760473	736523	68.79%	6.021%
34	9.800	1345	1351	1355	rBV4	16217	30816	2.88%	0.252%
35	9.928	1363	1375	1379	rVB	36475	66663	6.23%	0.545%
36	10.003	1379	1389	1394	rBV	32505	60558	5.66%	0.495%
37	10.051	1395	1398	1404	rVB2	34482	45658	4.26%	0.373%
38	10.152	1413	1417	1421	rBV2	21361	23261	2.17%	0.190%
39	10.189	1421	1424	1428	rBV3	21396	24397	2.28%	0.199%
40	10.291	1436	1443	1445	rBV8	18365	27735	2.59%	0.227%

LSC Area Percent Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694142.d
Acq On : 6 Dec 2024 12:19 pm
Operator : kaleigh
Sample : je1536-4
Misc : op59876,e4p3703,30.7,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.02 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 7

Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

41	10.526	1479	1487	1495	rBV3	15664	30902	2.89%	0.253%
42	10.601	1495	1501	1505	rBV	43541	49089	4.59%	0.401%
43	10.654	1505	1511	1515	rBV3	26694	42738	3.99%	0.349%
44	10.777	1531	1534	1538	rVB	21788	23150	2.16%	0.189%
45	10.852	1539	1548	1554	rBV4	55316	98433	9.19%	0.805%
46	10.959	1556	1568	1572	rBV	825922	1016091	94.90%	8.307%
47	10.985	1572	1573	1583	rVB2	114108	124149	11.60%	1.015%
48	11.076	1584	1590	1593	rBV3	26048	27336	2.55%	0.223%
49	11.124	1593	1599	1603	rBV8	19201	31150	2.91%	0.255%
50	11.205	1608	1614	1617	rBV5	14244	19216	1.79%	0.157%
51	11.247	1617	1622	1630	rBV3	27816	49215	4.60%	0.402%
52	11.391	1643	1649	1651	rBV4	27183	35910	3.35%	0.294%
53	11.429	1651	1656	1659	rVB2	27362	39167	3.66%	0.320%
54	11.541	1668	1677	1679	rBV8	22983	34763	3.25%	0.284%
55	11.573	1679	1683	1685	rBV3	18192	18843	1.76%	0.154%
56	11.627	1685	1693	1699	rBV2	101539	117120	10.94%	0.958%
57	11.803	1722	1726	1730	rBV5	32390	40734	3.80%	0.333%
58	11.862	1730	1737	1738	rBV7	13494	21806	2.04%	0.178%
59	11.888	1738	1742	1746	rBV6	22612	30417	2.84%	0.249%
60	11.926	1746	1749	1753	rBV6	15266	21725	2.03%	0.178%
61	11.995	1753	1762	1770	rBV10	40822	148379	13.86%	1.213%
62	12.054	1770	1773	1778	rVB5	22751	23329	2.18%	0.191%
63	12.155	1785	1792	1802	rVB2	146491	342633	32.00%	2.801%
64	12.262	1802	1812	1818	rBV3	50792	105345	9.84%	0.861%
65	12.353	1821	1829	1837	rBV2	151445	362498	33.86%	2.964%
66	12.407	1837	1839	1842	rVV4	35716	48303	4.51%	0.395%
67	12.444	1842	1846	1852	rVV	131235	182392	17.04%	1.491%
68	12.497	1852	1856	1861	rVV	178590	220847	20.63%	1.806%
69	12.561	1861	1868	1876	rVV	863123	1070643	100.00%	8.753%
70	12.615	1876	1878	1881	rVV4	27790	34823	3.25%	0.285%
71	12.647	1881	1884	1889	rVB7	25092	43314	4.05%	0.354%
72	12.716	1894	1897	1903	rVB7	11497	17397	1.62%	0.142%
73	12.861	1917	1924	1935	rVB5	73022	151114	14.11%	1.235%
74	12.957	1936	1942	1945	rBV4	22876	31525	2.94%	0.258%
75	13.069	1954	1963	1967	rBV3	119942	181104	16.92%	1.481%
76	13.106	1967	1970	1979	rVB6	49511	68155	6.37%	0.557%
77	13.170	1979	1982	1988	rVB8	28027	35635	3.33%	0.291%
78	13.229	1990	1993	1996	rVB5	23600	27193	2.54%	0.222%
79	13.277	1996	2002	2007	rBV3	63222	131757	12.31%	1.077%
80	13.357	2014	2017	2024	rVV9	19794	36224	3.38%	0.296%
81	13.411	2024	2027	2038	rVV9	13085	32590	3.04%	0.266%
82	13.544	2044	2052	2059	rVV9	29040	69421	6.48%	0.568%
83	13.678	2071	2077	2081	rBV4	16008	31219	2.92%	0.255%
84	13.726	2081	2086	2094	rVB5	70766	112896	10.54%	0.923%
85	13.812	2094	2102	2107	rBV2	80800	147565	13.78%	1.206%

LSC Area Percent Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694142.d
Acq On : 6 Dec 2024 12:19 pm
Operator : kaleigh
Sample : je1536-4
Misc : op59876,e4p3703,30.7,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.02 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 7

Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

86	13.854	2107	2110	2119	rVV2	22843	41931	3.92%	0.343%
87	13.972	2125	2132	2141	rVV5	63078	155332	14.51%	1.270%
88	14.047	2141	2146	2151	rVV7	37320	66944	6.25%	0.547%
89	14.089	2151	2154	2163	rVV10	28827	54870	5.12%	0.449%
90	14.159	2163	2167	2179	rVB	68555	120648	11.27%	0.986%
91	14.244	2180	2183	2188	rVB7	10445	20248	1.89%	0.166%
92	14.308	2188	2195	2206	rBV6	130289	291667	27.24%	2.385%
93	14.388	2206	2210	2215	rVV8	24725	36831	3.44%	0.301%
94	14.549	2238	2240	2247	rVB7	16212	22577	2.11%	0.185%
95	14.618	2247	2253	2255	rBV7	19626	34054	3.18%	0.278%
96	14.688	2262	2266	2270	rBV7	10925	19002	1.77%	0.155%
97	14.859	2291	2298	2303	rVV10	34744	70757	6.61%	0.578%
98	14.923	2304	2310	2322	rVB10	25109	68492	6.40%	0.560%
99	15.104	2336	2344	2353	rVB10	51638	124488	11.63%	1.018%
100	15.184	2353	2359	2367	rVB10	19215	50958	4.76%	0.417%

Sum of corrected areas: 12231577

LSC Report - Integrated Chromatogram

```
Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694142.d
Acq On    :  6 Dec 2024  12:19 pm
Operator  : kaleigh
Sample    : je1536-4
Misc      : op59876,e4p3703,30.7,,,1,1
ALS Vial  : 9   Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title  : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library   : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P
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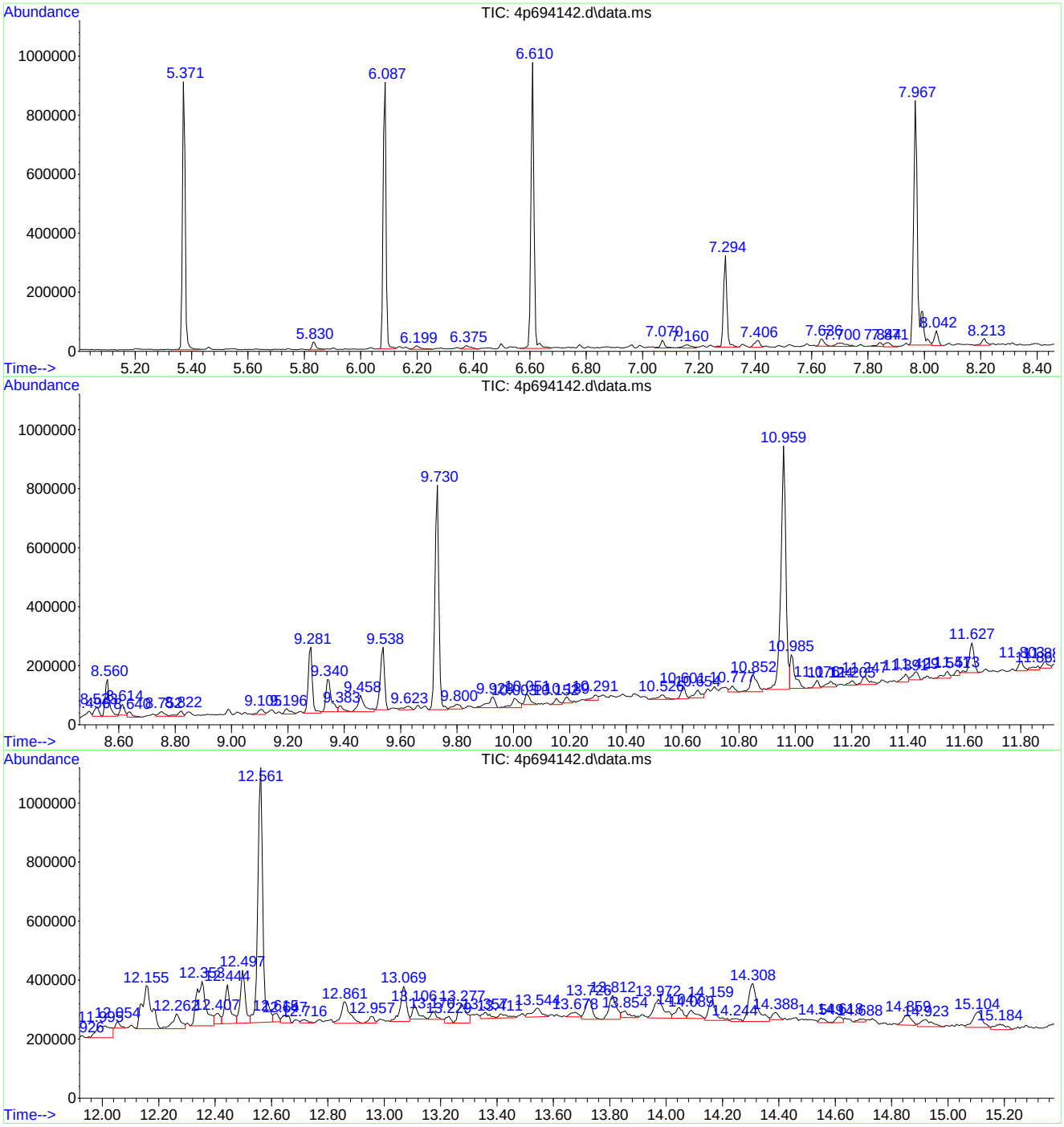


Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694142.d
Acq On : 6 Dec 2024 12:19 pm
Operator : kaleigh
Sample : je1536-4
Misc : op59876,e4p3703,30.7,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

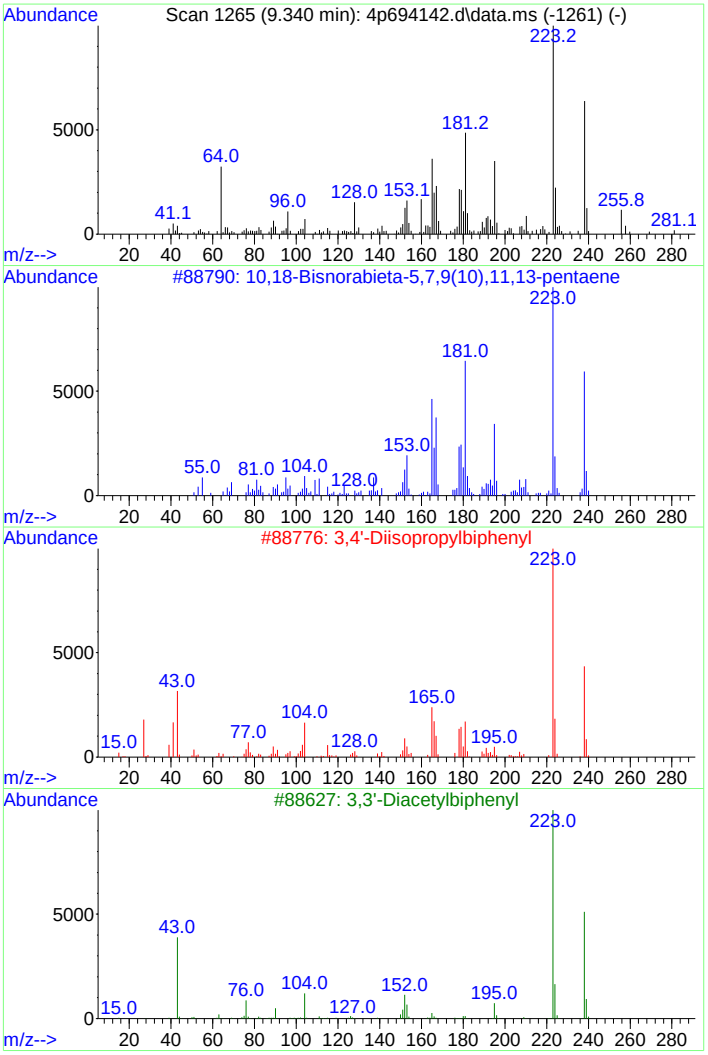
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

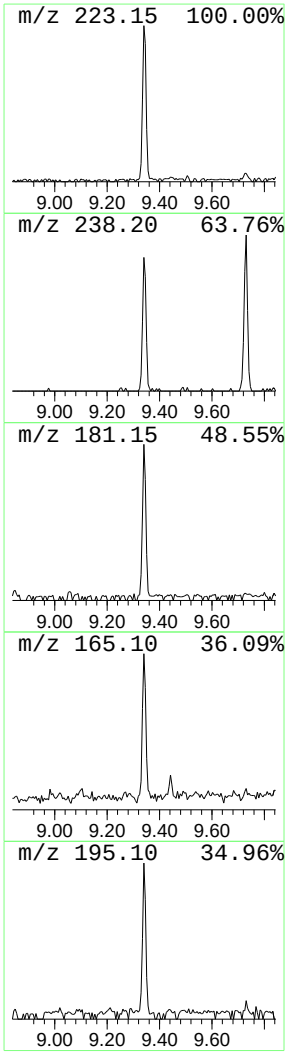
****

Peak Number 1 Unknown Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.340	7.19 ppm	147381	Phenanthrene-d10a	7.967

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-5,7,9(10),11,...	238	C18H22	006566-19-4	99
2	3,4'-Diisopropylbiphenyl	238	C18H22	061434-46-6	70
3	3,3'-Diacetylbiphenyl	238	C16H14O2	094113-07-2	45
4	9-Acridinecarboxylic acid	223	C14H9NO2	005336-90-3	43
5	Anthracene, 9,10-dimethoxy-	238	C16H14O2	002395-97-3	43





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694142.d
Acq On : 6 Dec 2024 12:19 pm
Operator : kaleigh
Sample : je1536-4
Misc : op59876,e4p3703,30.7,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

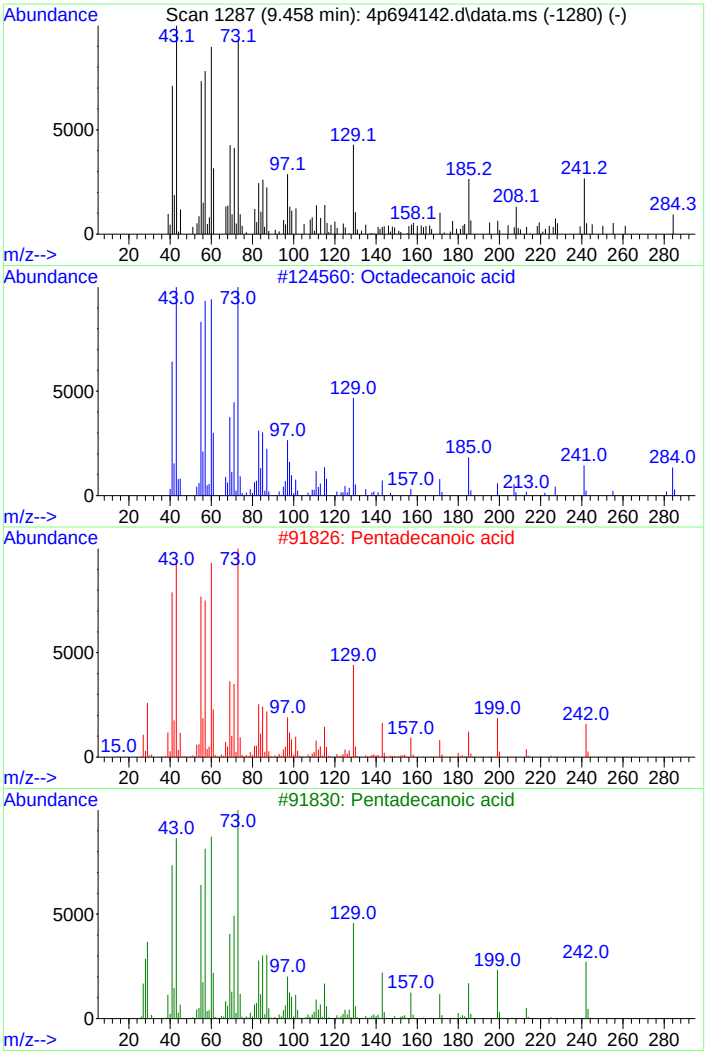
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

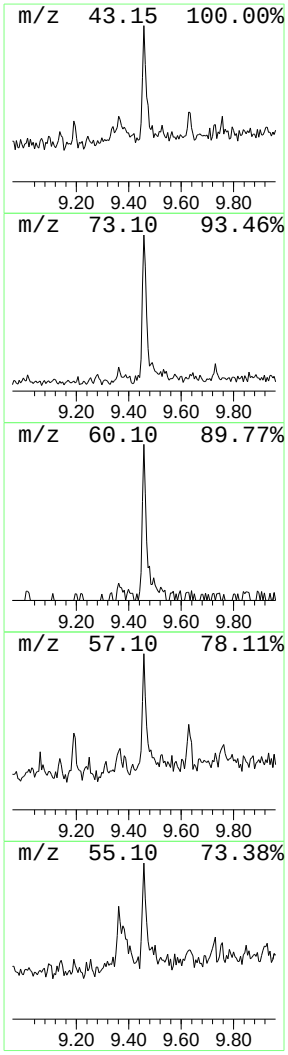
****

Peak Number 2 Octadecanoic acid Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.458	4.52 ppm	92733	Phenanthrene-d10a	7.967

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	89
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	74
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	68





Library Search Compound Report

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Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694142.d
Acq On    :  6 Dec 2024  12:19 pm
Operator  : kaleigh
Sample    : je1536-4
Misc      : op59876,e4p3703,30.7,,,1,1
ALS Vial  : 9   Sample Multiplier: 1

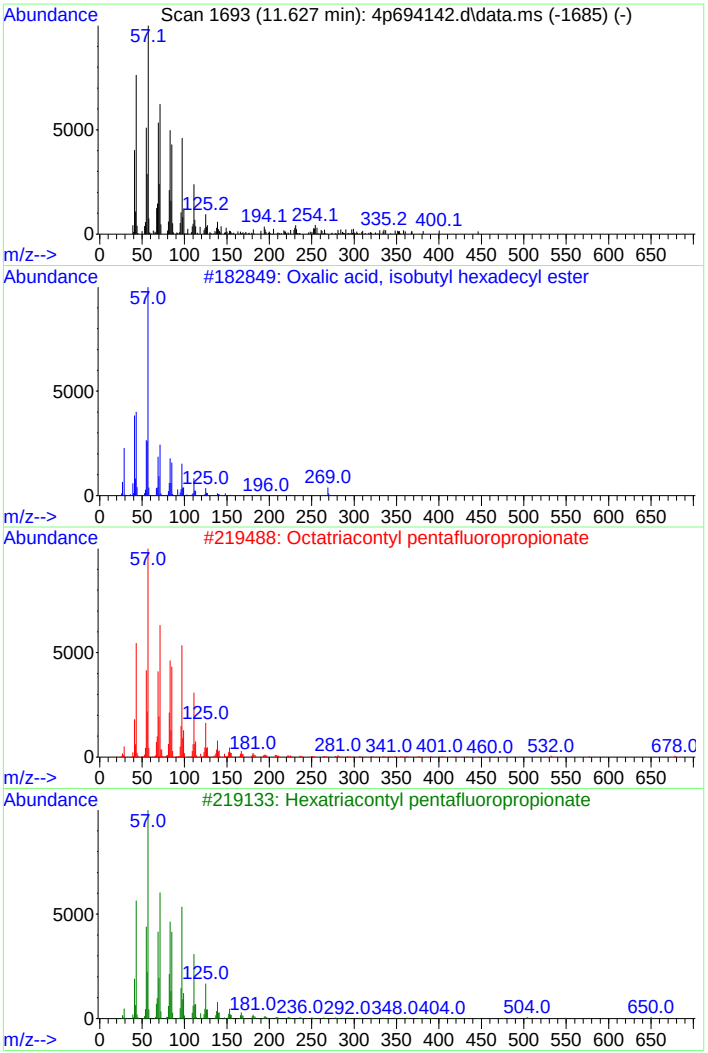
Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title  : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

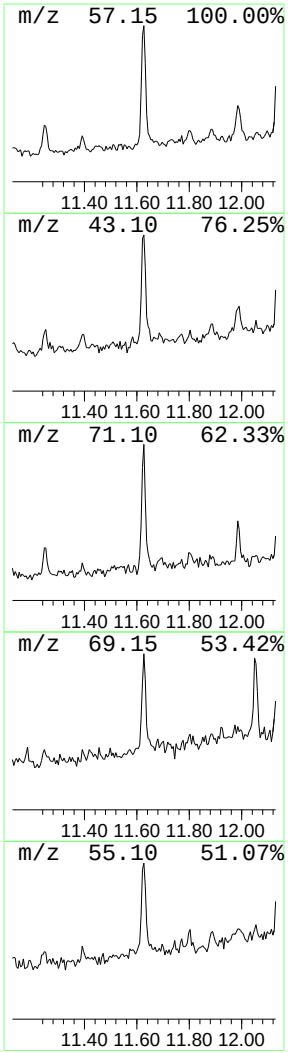
TIC Library   : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

**********************************************************************
Peak Number  3  Unknown acid                    Concentration Rank 11
```

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.627	4.61 ppm	117120	Chrysene-d12b	10.959

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, isobutyl hexadecyl ...	370	C22H42O4	1000309-38-1	91
2	Octatriacontyl pentafluoropropio...	697	C41H77F5O2	1000351-89-1	87
3	Hexatriacontyl pentafluoropropio...	669	C39H73F5O2	1000351-89-0	87
4	Octacosyl trifluoroacetate	506	C30H57F3O2	1000351-74-9	81
5	1-Bromo-11-iodoundecane	360	C11H22BrI	139123-69-6	74





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694142.d
Acq On : 6 Dec 2024 12:19 pm
Operator : kaleigh
Sample : je1536-4
Misc : op59876,e4p3703,30.7,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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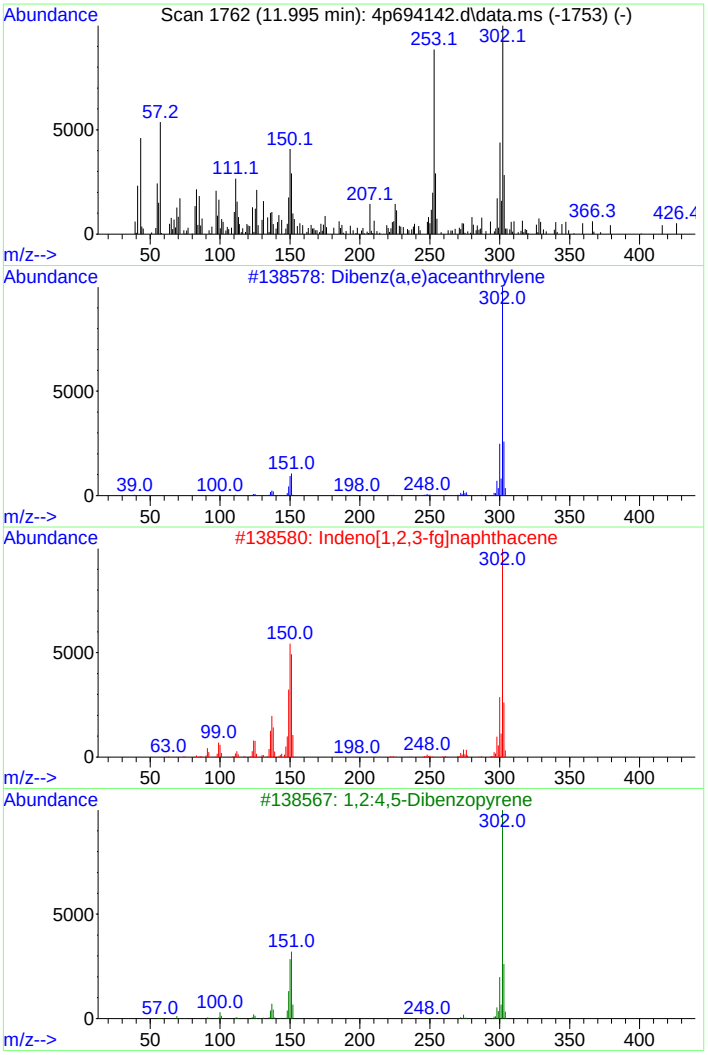
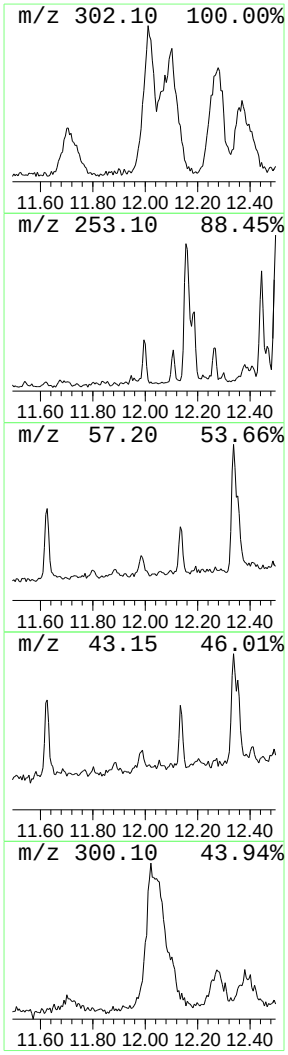
Peak Number 4 Unknown Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.995	5.54 ppm	148379	Perylene-d12	12.562

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	46
2	Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	46
3	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	38
4	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	35
5	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	30





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694142.d
Acq On : 6 Dec 2024 12:19 pm
Operator : kaleigh
Sample : je1536-4
Misc : op59876,e4p3703,30.7,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

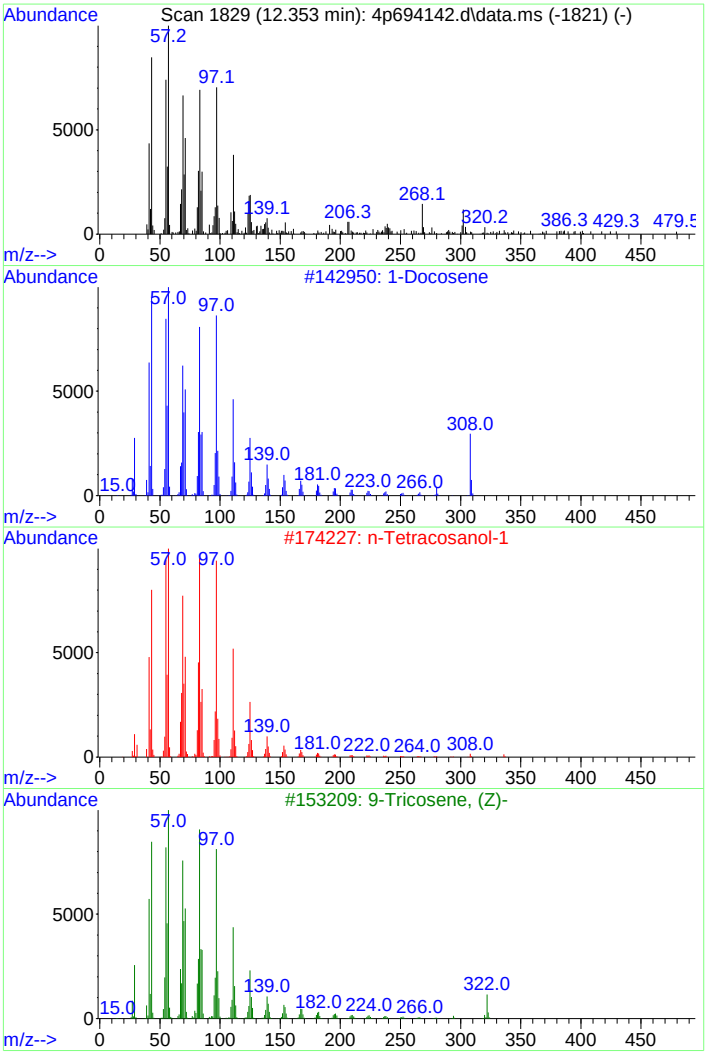
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

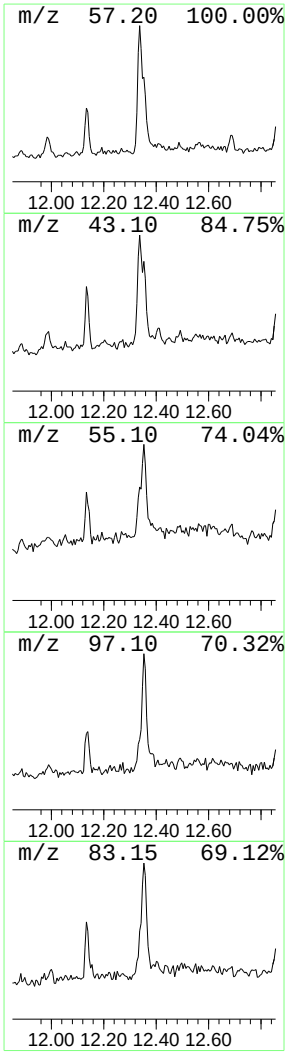
****

Peak Number 5 Unknown Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.353	13.54 ppm	362498	Perylene-d12	12.562

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Docosene	308	C22H44	001599-67-3	94
2	n-Tetracosanol-1	354	C24H50O	000506-51-4	93
3	9-Tricosene, (Z)-	322	C23H46	027519-02-4	91
4	Eicosyl trifluoroacetate	394	C22H41F3O2	1000351-75-2	91
5	1-Octacosanol	410	C28H58O	1000351-79-2	91





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694142.d
Acq On : 6 Dec 2024 12:19 pm
Operator : kaleigh
Sample : je1536-4
Misc : op59876,e4p3703,30.7,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

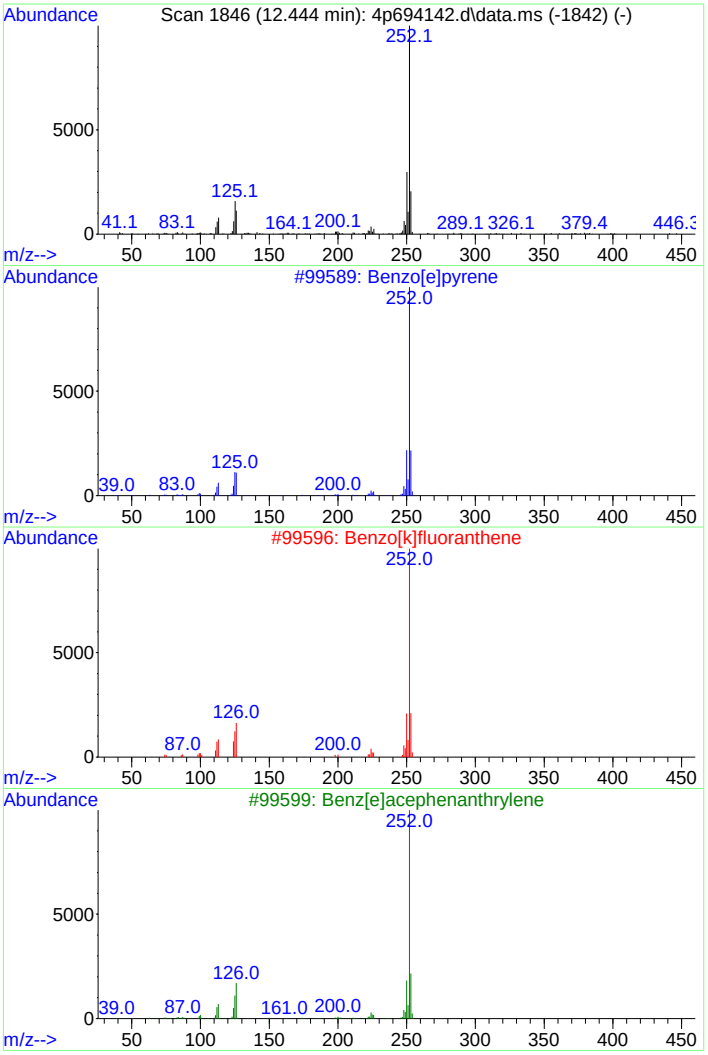
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

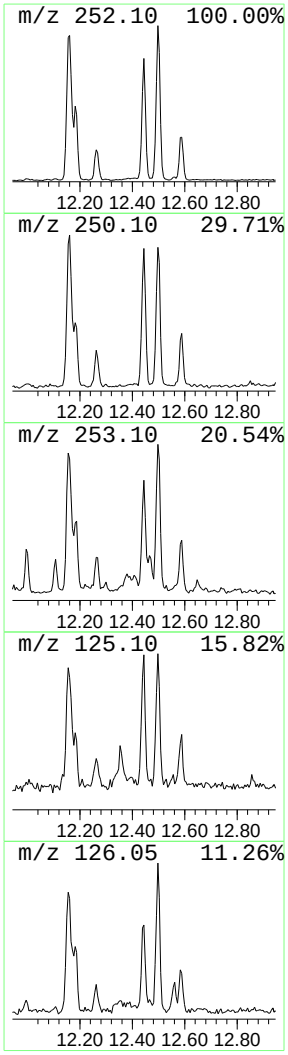
****

Peak Number 6 Unknown PAH substance Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.444	6.81 ppm	182392	Perylene-d12	12.562

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Benzo[e]pyrene	252	C20H12	000192-97-2	89





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694142.d
Acq On : 6 Dec 2024 12:19 pm
Operator : kaleigh
Sample : je1536-4
Misc : op59876,e4p3703,30.7,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

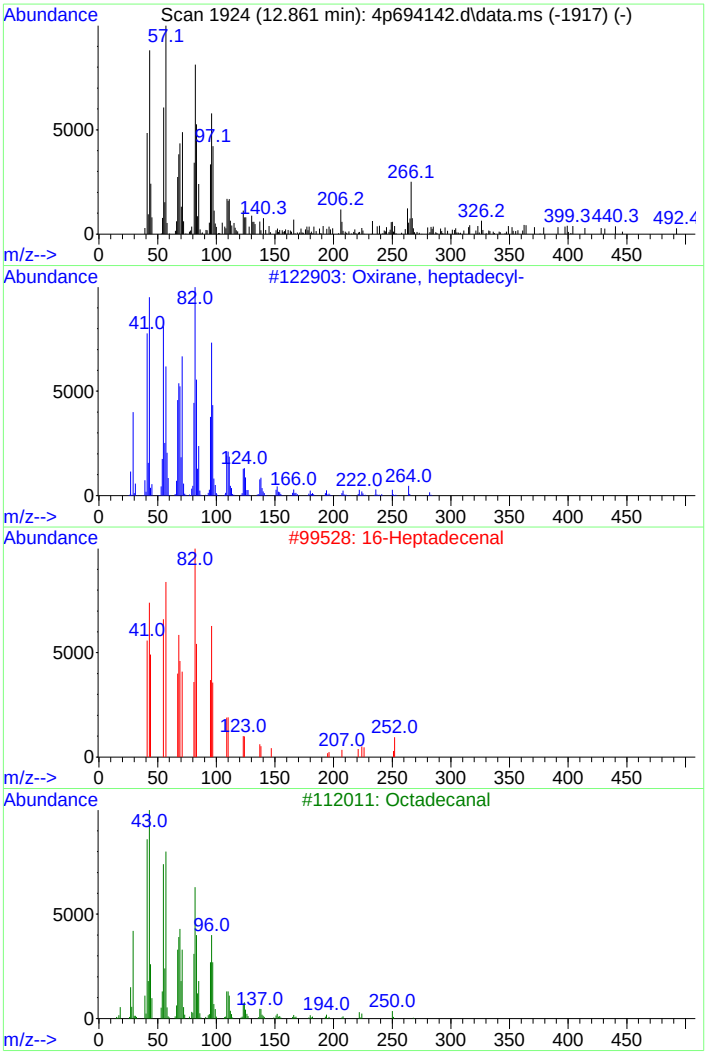
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

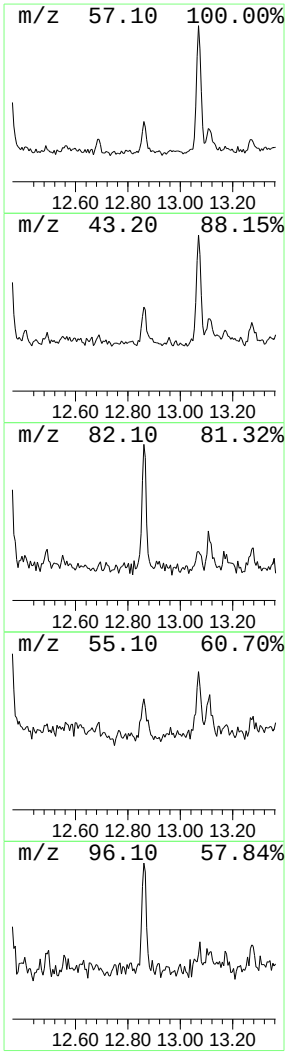
****

Peak Number 7 Unknown Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.861	5.65 ppm	151114	Perylene-d12	12.562

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, heptadecyl-	282	C19H38O	067860-04-2	90
2	16-Heptadecenal	252	C17H32O	1000144-57-9	70
3	Octadecanal	268	C18H36O	000638-66-4	62
4	1,19-Eicosadiene	278	C20H38	014811-95-1	58
5	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	58





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694142.d
Acq On : 6 Dec 2024 12:19 pm
Operator : kaleigh
Sample : je1536-4
Misc : op59876,e4p3703,30.7,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

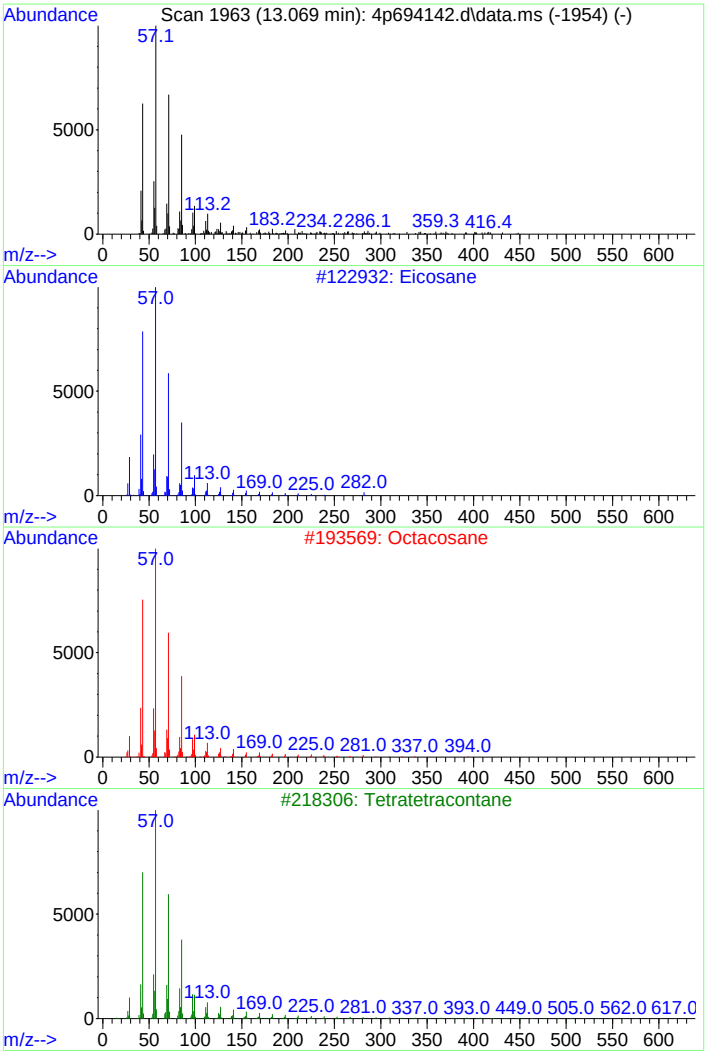
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

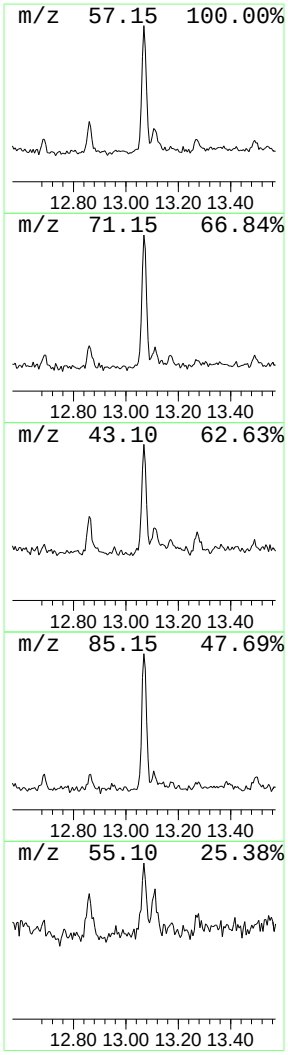
****

Peak Number 8 Alkane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.069	6.77 ppm	181104	Perylene-d12	12.562

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	97
2	Octacosane	394	C28H58	000630-02-4	90
3	Tetratetracontane	619	C44H90	007098-22-8	90
4	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	87
5	Pentadecane	212	C15H32	000629-62-9	83





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694142.d
Acq On : 6 Dec 2024 12:19 pm
Operator : kaleigh
Sample : je1536-4
Misc : op59876,e4p3703,30.7,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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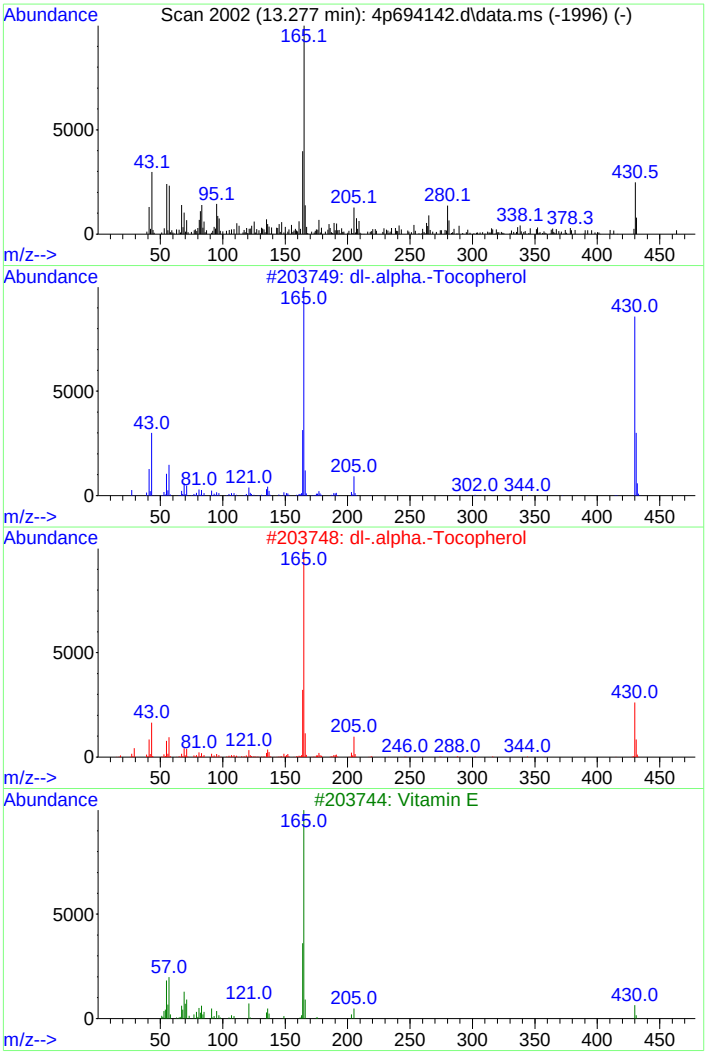
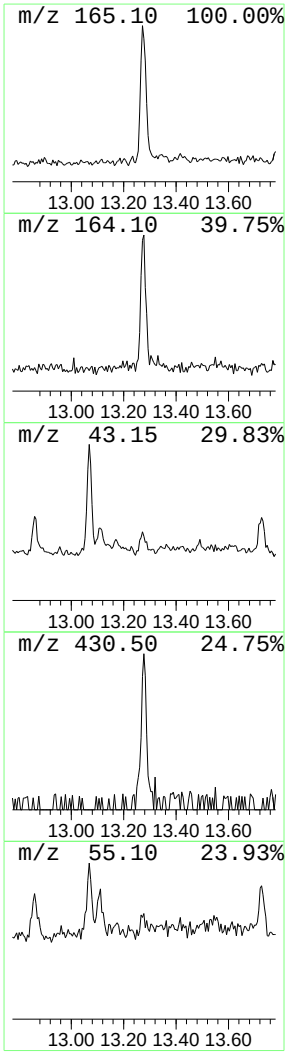
Peak Number 9 Vitamin E Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.277	4.92 ppm	131757	Perylene-d12	12.562

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	dl-.alpha.-Tocopherol	430	C29H50O2	010191-41-0	87
2	dl-.alpha.-Tocopherol	430	C29H50O2	010191-41-0	87
3	Vitamin E	430	C29H50O2	000059-02-9	87
4	Vitamin E	430	C29H50O2	000059-02-9	83
5	Vitamin E	430	C29H50O2	000059-02-9	59





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694142.d
Acq On : 6 Dec 2024 12:19 pm
Operator : kaleigh
Sample : je1536-4
Misc : op59876,e4p3703,30.7,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

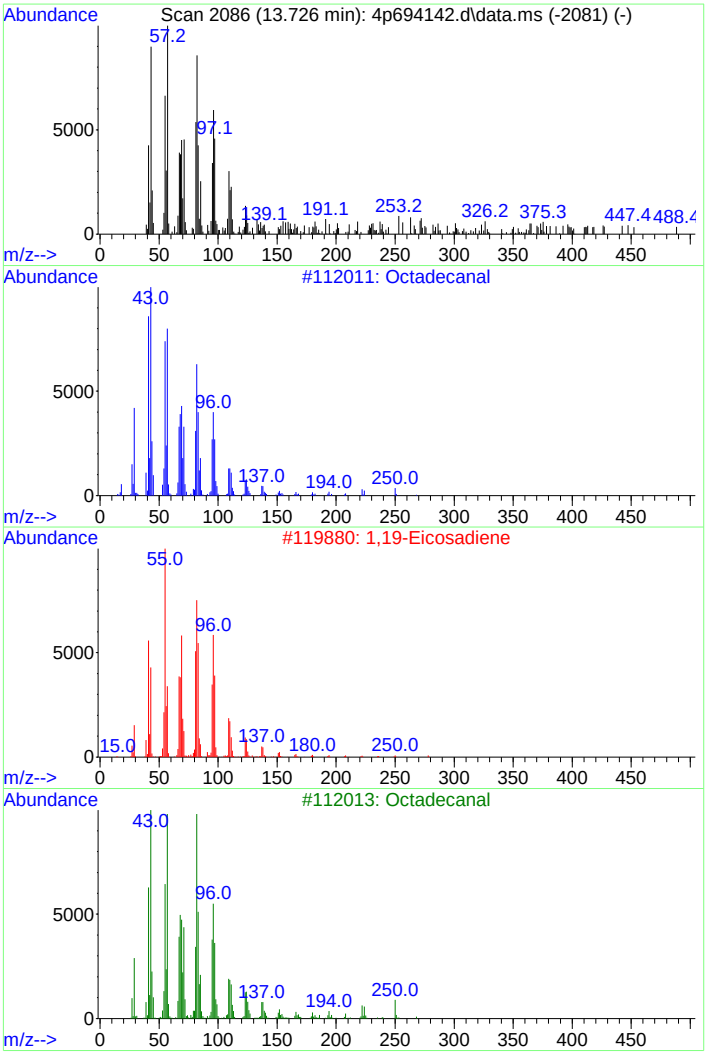
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

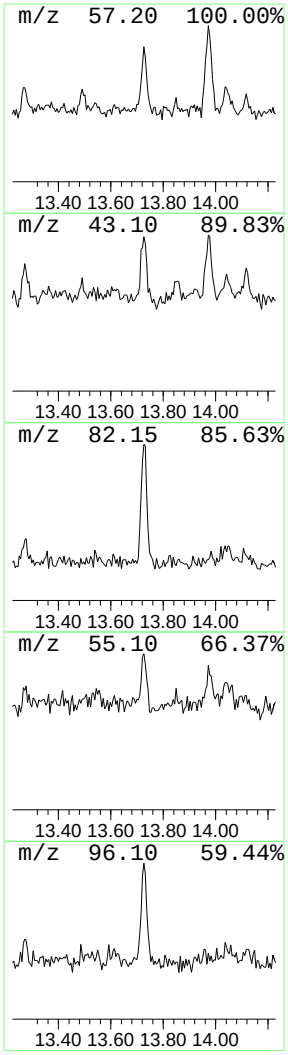
****

Peak Number 10 Unknown Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.726	4.22 ppm	112896	Perylene-d12	12.562

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanal	268	C18H36O	000638-66-4	94
2	1,19-Eicosadiene	278	C20H38	014811-95-1	72
3	Octadecanal	268	C18H36O	000638-66-4	58
4	Tetradecanal	212	C14H28O	000124-25-4	58
5	(Z)-14-Tricosenyl formate	366	C24H46O2	077899-10-6	53





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694142.d
Acq On : 6 Dec 2024 12:19 pm
Operator : kaleigh
Sample : je1536-4
Misc : op59876,e4p3703,30.7,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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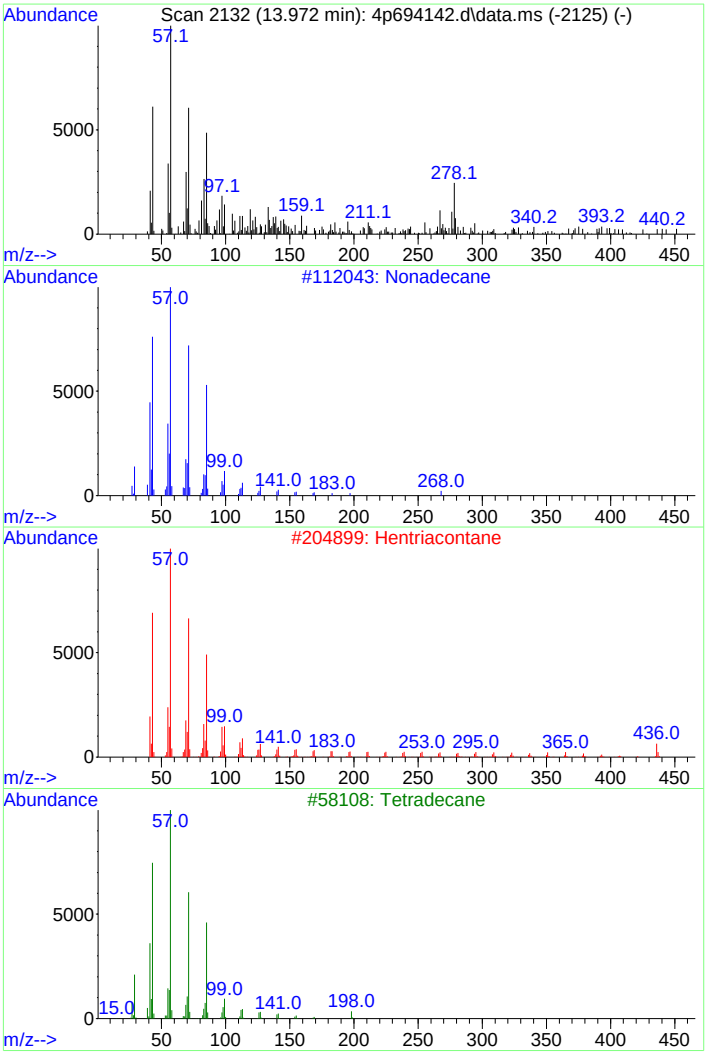
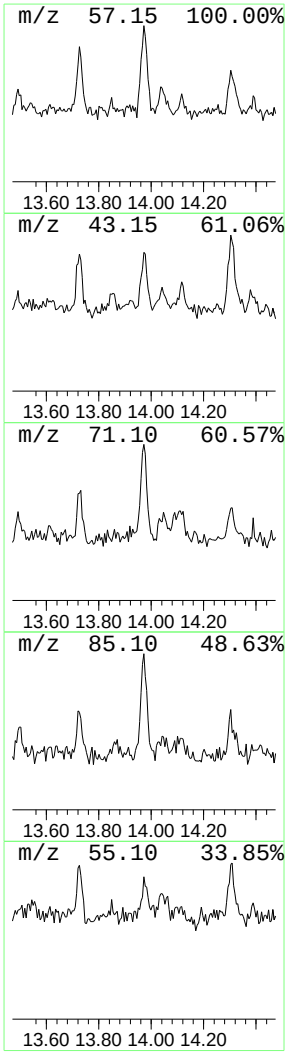
Peak Number 11 Alkane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.972	5.80 ppm	155332	Perylene-d12	12.562

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	78
2	Hentriacontane	437	C31H64	000630-04-6	64
3	Tetradecane	198	C14H30	000629-59-4	60
4	Heptadecane	240	C17H36	000629-78-7	60
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	60





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694142.d
Acq On : 6 Dec 2024 12:19 pm
Operator : kaleigh
Sample : je1536-4
Misc : op59876,e4p3703,30.7,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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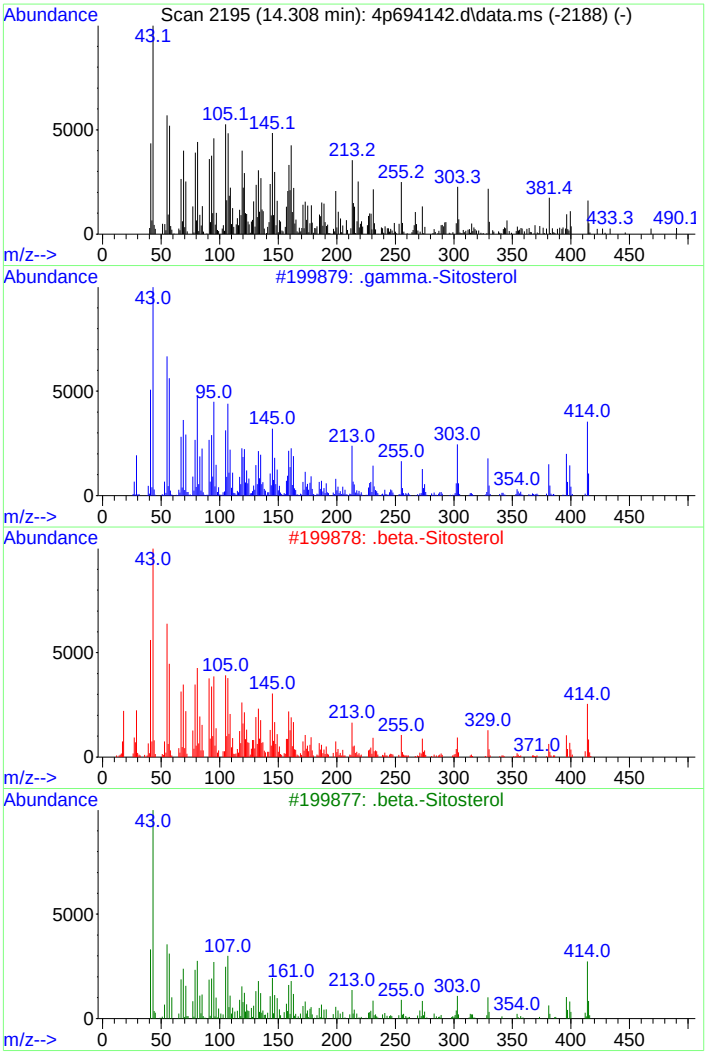
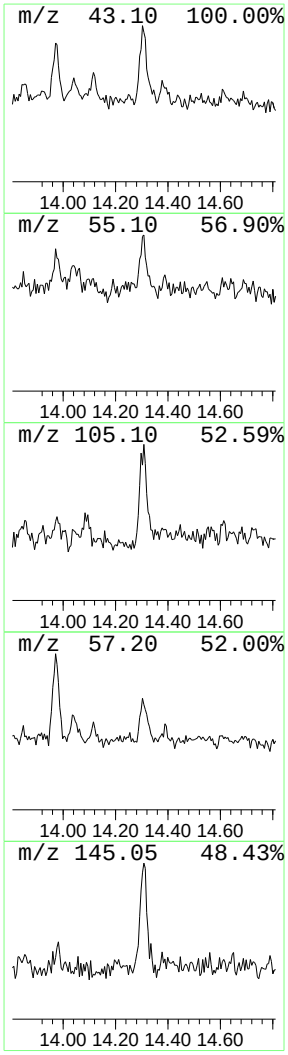
Peak Number 12 Sitosterol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.308	10.90 ppm	291667	Perylene-d12	12.562

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.gamma.-Sitosterol	414	C29H50O	000083-47-6	90
2	.beta.-Sitosterol	414	C29H50O	000083-46-5	90
3	.beta.-Sitosterol	414	C29H50O	000083-46-5	50
4	Ergost-5-en-3-ol, (3.beta.)-	400	C28H48O	004651-51-8	38
5	Ergost-7-en-3-ol, (3.beta.)-	400	C28H48O	026047-31-4	35





Library Search Compound Report

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Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694142.d
Acq On    :  6 Dec 2024  12:19 pm
Operator  : kaleigh
Sample    : je1536-4
Misc      : op59876,e4p3703,30.7,,,1,1
ALS Vial  : 9   Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title  : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library   : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P
```

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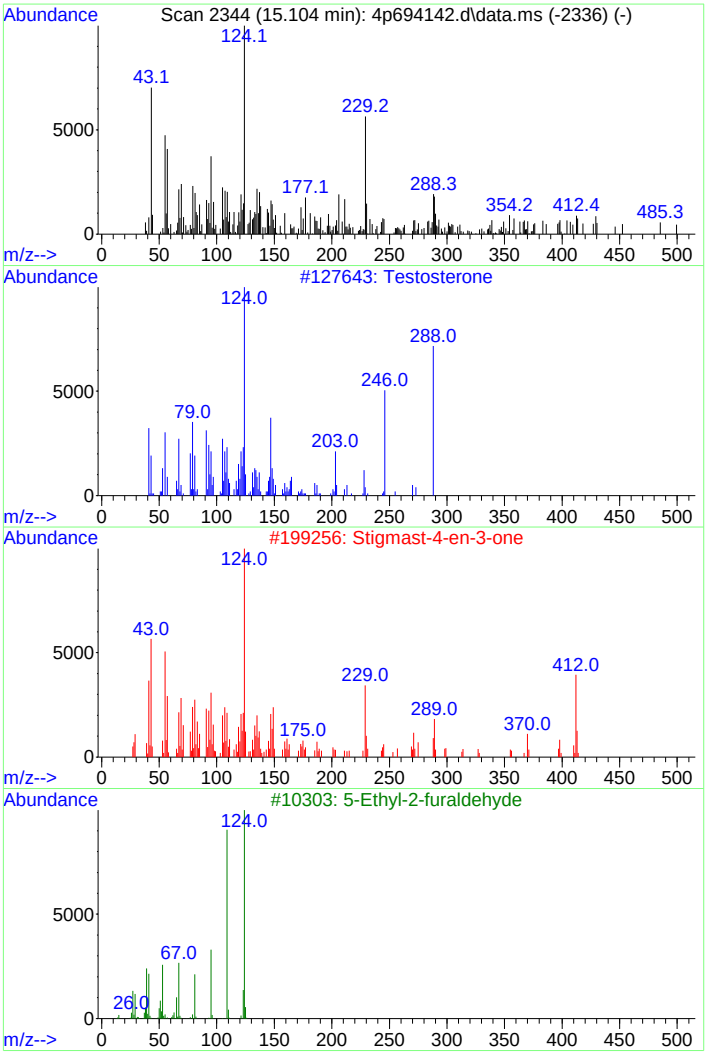
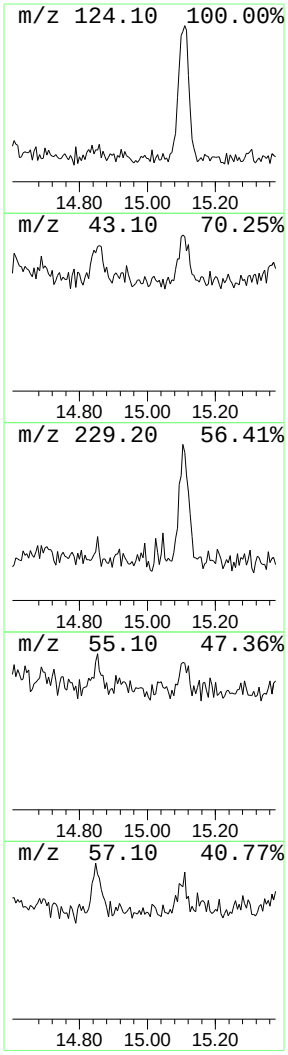
Peak Number 13 Unknown Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.104	4.65 ppm	124488	Perylene-d12	12.562

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Testosterone	288	C19H28O2	000058-22-0	72
2	Stigmast-4-en-3-one	412	C29H48O	001058-61-3	53
3	5-Ethyl-2-furaldehyde	124	C7H8O2	023074-10-4	38
4	2-Amino-4-methyl-3-pyridinol	124	C6H8N2O	020348-18-9	38
5	Adipic acid, isohexyl 4-methoxyp...	336	C19H28O5	1000324-54-1	35





Tentatively Identified Compound (LSC) summary

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694142.d
Acq On : 6 Dec 2024 12:19 pm
Operator : kaleigh
Sample : je1536-4
Misc : op59876,e4p3703,30.7,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Unknown	9.340	7.2	ppm	147381	10	7.967	820370	40.0
Octadecanoic acid	9.458	4.5	ppm	92733	10	7.967	820370	40.0
Unknown acid	11.627	4.6	ppm	117120	13	10.959	1016090	40.0
Unknown	11.995	5.5	ppm	148379	14	12.562	1070640	40.0
Unknown	12.353	13.5	ppm	362498	14	12.562	1070640	40.0
Unknown PAH sub...	12.444	6.8	ppm	182392	14	12.562	1070640	40.0
Unknown	12.861	5.7	ppm	151114	14	12.562	1070640	40.0
Alkane	13.069	6.8	ppm	181104	14	12.562	1070640	40.0
Vitamin E	13.277	4.9	ppm	131757	14	12.562	1070640	40.0
Unknown	13.726	4.2	ppm	112896	14	12.562	1070640	40.0
Alkane	13.972	5.8	ppm	155332	14	12.562	1070640	40.0
Sitosterol	14.308	10.9	ppm	291667	14	12.562	1070640	40.0
Unknown	15.104	4.7	ppm	124488	14	12.562	1070640	40.0

Manual Integrations APPROVED (compounds with "m" flag)
Jacky Takeuchi 12/06/24 23:22

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694143.d
Acq On : 6 Dec 2024 12:42 pm
Operator : kaleigh
Sample : je1536-5 Inst : GCMS4P
Misc : op59876,e4p3703,30.0,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 06 19:00:51 2024
Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Fri Dec 06 18:18:31 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.580	152	80993	40.00	ppm	0.00
24) Naphthalene-d8	5.370	136	297797	40.00	ppm	0.00
46) Acenaphthene-d10	6.610	164	158384	40.00	ppm	0.00
69) Phenanthrene-d10	7.967	188	265264	40.00	ppm	0.00
84) Chrysene-d12	10.958	240	309000	40.00	ppm	0.00
93) Perylene-d12	12.561	264	316240	40.00	ppm	0.00
103) 1,4-Dichlorobenzene-d4a	4.580	152	80993	40.00	ppm	0.00
105) Acenaphthene-d10a	6.610	164	158384	40.00	ppm	0.00
107) Chrysene-d12a	10.958	240	309000	40.00	ppm	0.00
109) Phenanthrene-d10a	7.967	188	265264	40.00	ppm	0.00
111) Naphthalene-d8a	5.370	136	297797	40.00	ppm	0.00
113) Chrysene-d12b	10.958	240	309000	40.00	ppm	0.00
115) Naphthalene-d8b	5.370	136	297797	40.00	ppm	0.00
118) Naphthalene-d8c	5.370	136	297797	40.00	ppm	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.762	112	49067	22.04	ppm	0.00
Spiked Amount 50.000			Recovery =	44.08%		
8) Phenol-d5	4.350	99	66927	22.85	ppm	0.00
Spiked Amount 50.000			Recovery =	45.70%		
25) Nitrobenzene-d5	4.922	82	63720	24.16	ppm	0.00
Spiked Amount 50.000			Recovery =	48.32%		
51) 2-Fluorobiphenyl	6.086	172	124950	23.17	ppm	0.00
Spiked Amount 50.000			Recovery =	46.34%		
74) 2,4,6-Tribromophenol	7.294	330	15587	23.32	ppm	0.00
Spiked Amount 50.000			Recovery =	46.64%		
87) Terphenyl-d14	9.730	244	159469	20.75	ppm	0.00
Spiked Amount 50.000			Recovery =	41.50%		
108) 1-chlorooctadecane	0.000	57	0d	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
110) o-terphenyl	0.000	230	0	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
18) Acetophenone	4.825	105	884	0.2275	ppm	82
38) Naphthalene	5.386	128	6627	0.8511	ppm	99
44) 2-Methylnaphthalene	5.835	141	1661	0.3522	ppm	95
56) Acenaphthylene	6.498	152	5329	0.8254	ppm	97
59) Acenaphthene	6.636	153	5466	1.1079	ppm	96
62) Dibenzofuran	6.775	168	3297	0.4918	ppm	99
66) Fluorene	7.075	166	5393	1.0092	ppm	96
78) Phenanthrene	7.993	178	55201	7.4348	ppm	100
79) Anthracene	8.047	178	19716	2.7013	ppm	99
80) Carbazole	8.212	167	11139	1.6617	ppm	97
82) Fluoranthene	9.281	202	125064	15.5324	ppm	96
86) Pyrene	9.537	202	113665	10.4547	ppm	99
88) Butylbenzylphthalate	10.317	149	1305m	0.3115	ppm	
89) Benzo[a]anthracene	10.942	228	75682	7.5330	ppm	97
91) Chrysene	10.990	228	70243	7.2518	ppm	98
92) bis(2-Ethylhexyl)phtha...	11.012	149	2505	0.3915	ppm	88
95) Benzo[b]fluoranthene	12.160	252	91818m	9.3798	ppm	
96) Benzo[k]fluoranthene	12.182	252	26417m	2.8461	ppm	
97) Benzo[a]pyrene	12.497	252	61417	7.4213	ppm	96
98) Indeno[1,2,3-cd]pyrene	13.806	276	41459	3.7623	ppm	93
100) Dibenz[a,h]anthracene	13.822	278	10577	1.1835	ppm	89
102) Benzo[g,h,i]perylene	14.164	276	37668	4.5148	ppm	94
104) Benzaldehyde	4.307	105	617	0.2510	ppm	82

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694143.d
Acq On : 6 Dec 2024 12:42 pm
Operator : kaleigh
Sample : je1536-5 Inst : GCMS4P
Misc : op59876,e4p3703,30.0,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 06 19:00:51 2024
Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Fri Dec 06 18:18:31 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694143.d
Acq On : 6 Dec 2024 12:42 pm
Operator : kaleigh
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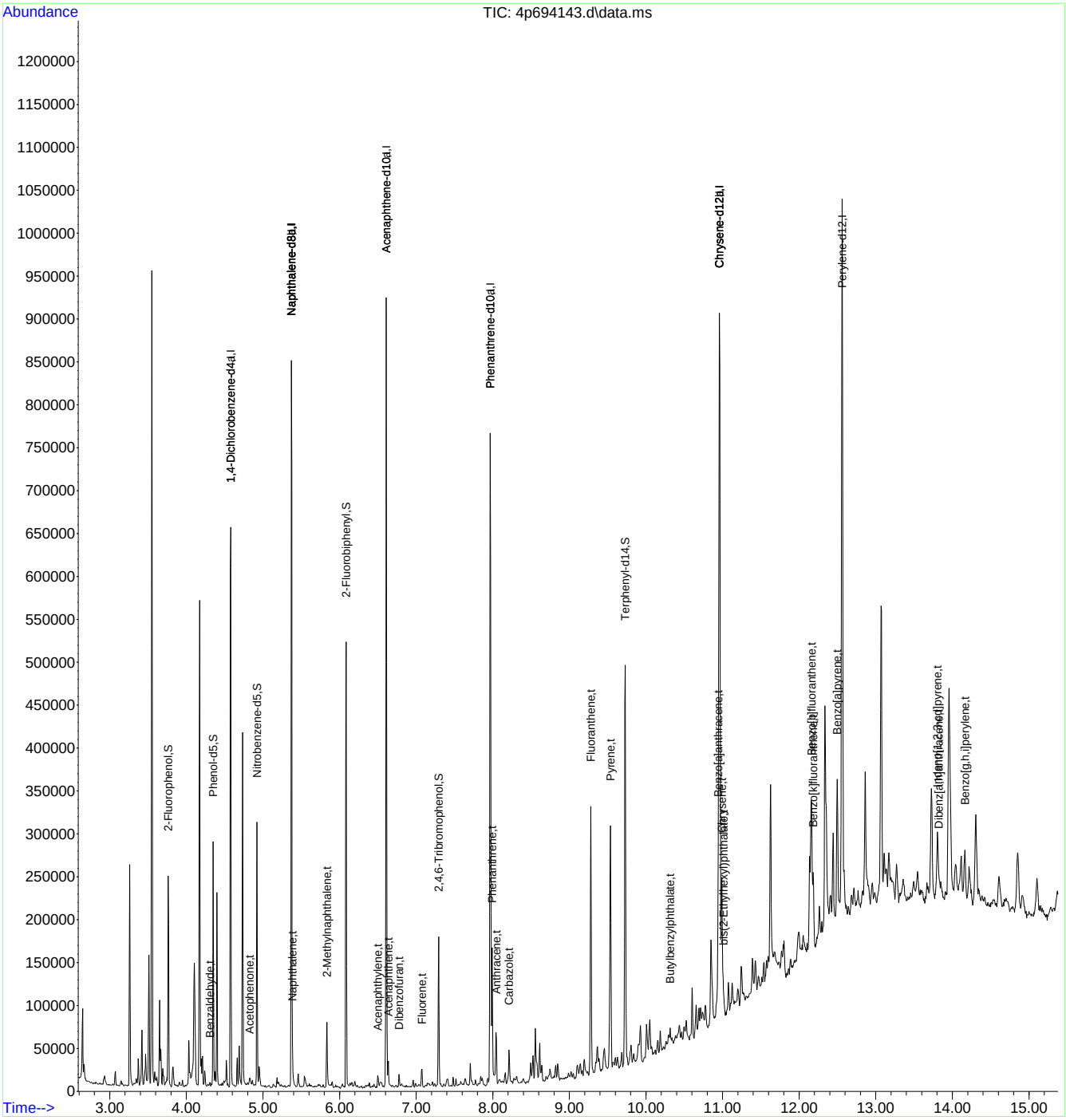
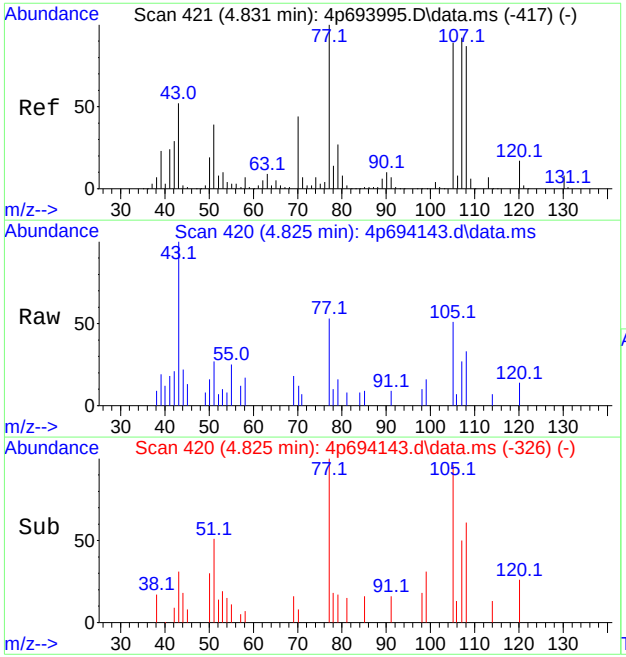
Quant Time: Dec 06 19:00:51 2024
Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Fri Dec 06 18:18:31 2024
Response via : Initial Calibration

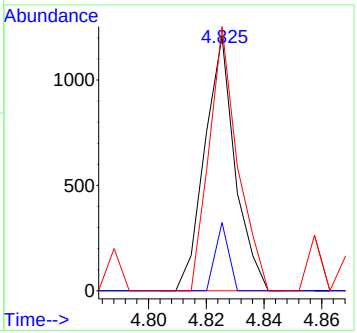


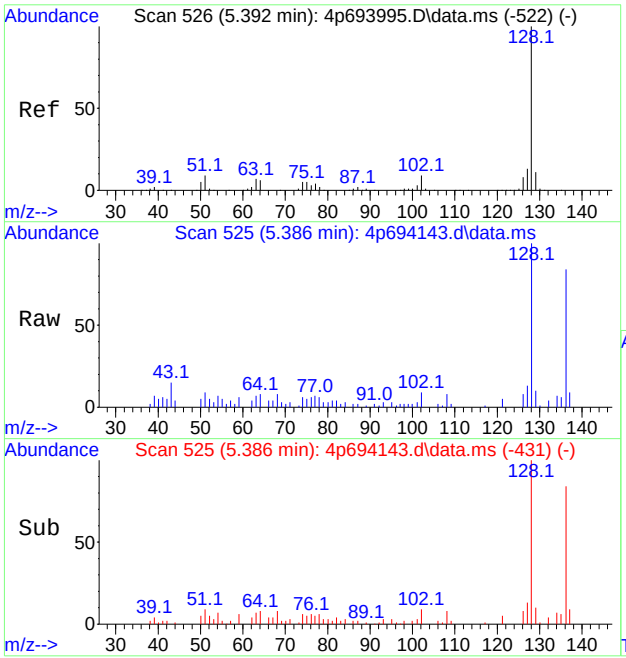


#18
Acetophenone
Concen: 0.2275 ppm
RT: 4.825 min Scan# 420
Delta R.T. -0.000 min
Lab File: 4p694143.d
Acq: 6 Dec 2024 12:42 pm

Tgt Ion:105 Resp: 884

Ion	Ratio	Lower	Upper
105	100		
120	26.9	0.0	48.7
77	103.9	93.8	153.8

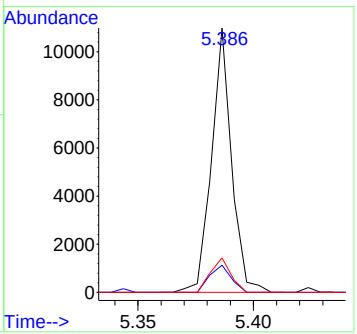


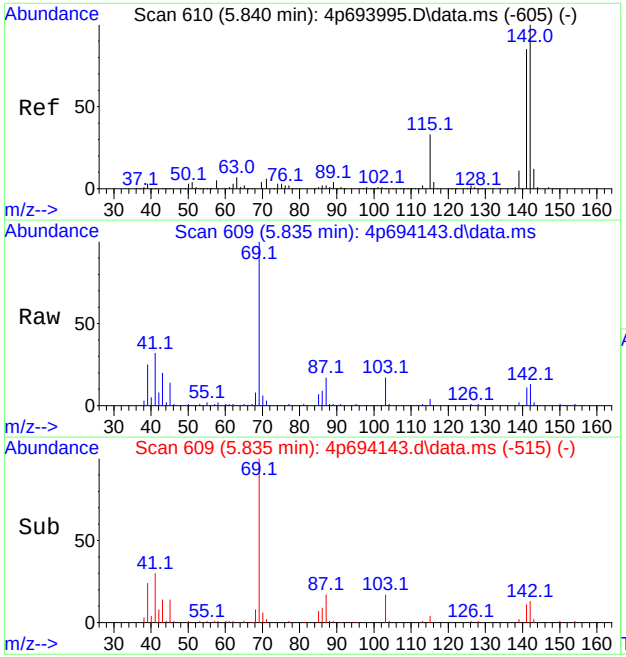


#38
Naphthalene
Concen: 0.8511 ppm
RT: 5.386 min Scan# 525
Delta R.T. -0.000 min
Lab File: 4p694143.d
Acq: 6 Dec 2024 12:42 pm

Tgt Ion:128 Resp: 6627

Ion	Ratio	Lower	Upper
128	100		
129	10.3	0.0	40.8
127	13.1	0.0	42.7

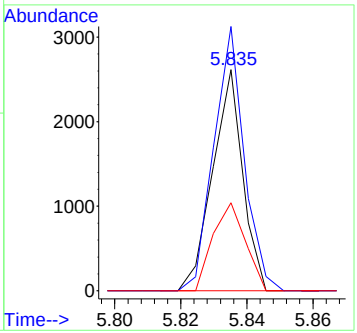


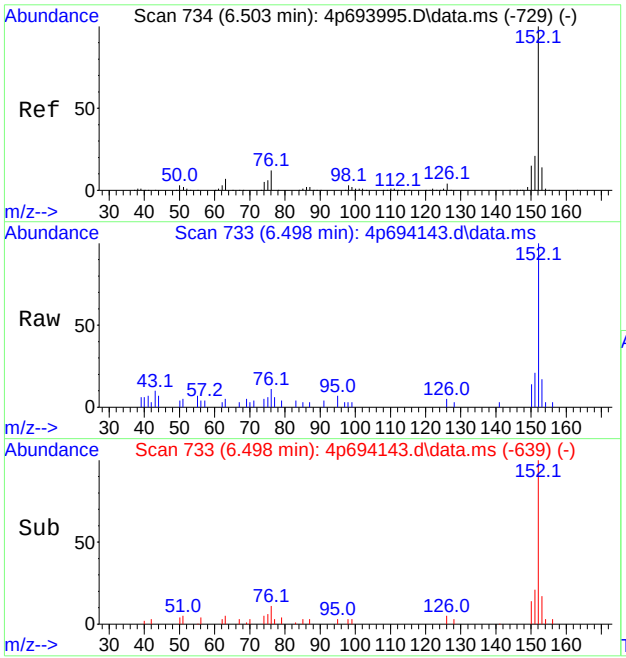


#44
2-Methylnaphthalene
Concen: 0.3522 ppm
RT: 5.835 min Scan# 609
Delta R.T. -0.000 min
Lab File: 4p694143.d
Acq: 6 Dec 2024 12:42 pm

Tgt Ion:141 Resp: 1661

Ion	Ratio	Lower	Upper
141	100		
142	119.5	84.2	144.2
115	39.8	7.8	67.8

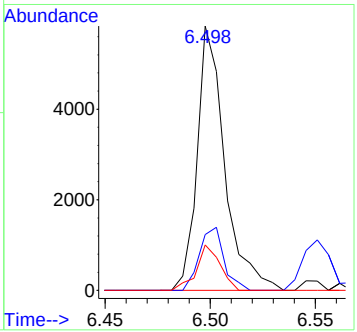


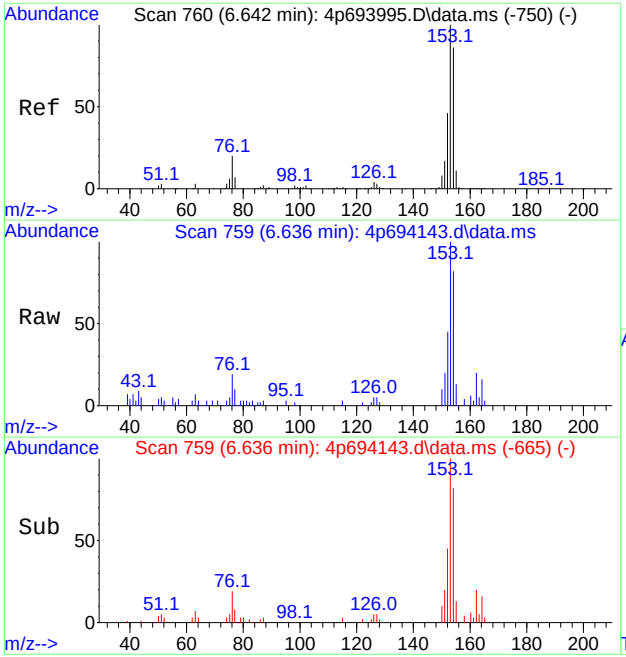


#56
Acenaphthylene
Concen: 0.8254 ppm
RT: 6.498 min Scan# 733
Delta R.T. -0.000 min
Lab File: 4p694143.d
Acq: 6 Dec 2024 12:42 pm

Tgt Ion:152 Resp: 5329

Ion	Ratio	Lower	Upper
152	100		
151	21.1	0.0	51.0
153	17.2	0.0	44.1

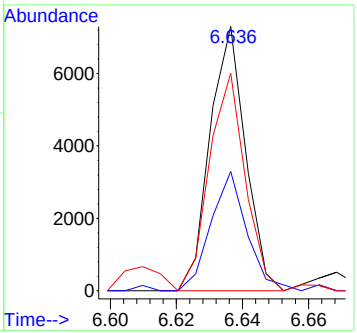


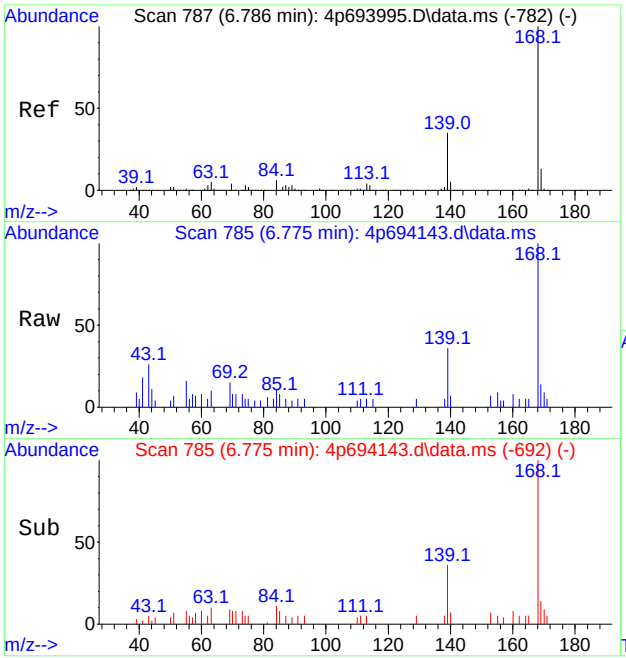


#59
Acenaphthene
Concen: 1.1079 ppm
RT: 6.636 min Scan# 759
Delta R.T. -0.000 min
Lab File: 4p694143.d
Acq: 6 Dec 2024 12:42 pm

Tgt Ion:153 Resp: 5466

Ion	Ratio	Lower	Upper
153	100		
152	44.0	17.0	77.0
154	79.0	51.7	111.7

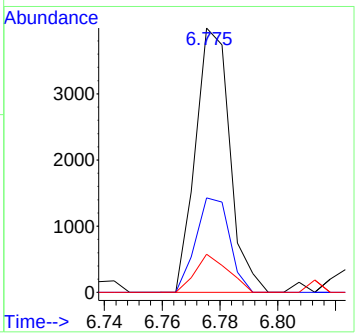


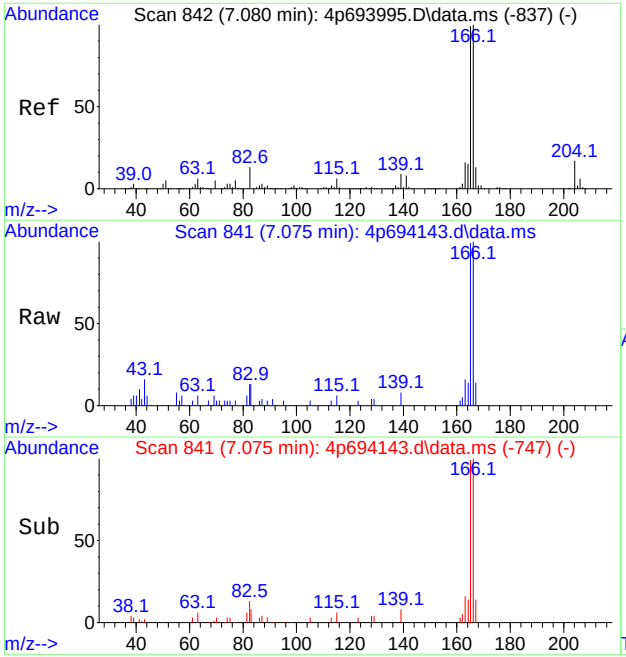


#62
Dibenzofuran
Concen: 0.4918 ppm
RT: 6.775 min Scan# 785
Delta R.T. -0.006 min
Lab File: 4p694143.d
Acq: 6 Dec 2024 12:42 pm

Tgt Ion:168 Resp: 3297

Ion	Ratio	Lower	Upper
168	100		
139	35.7	5.2	65.2
169	14.5	0.0	43.8

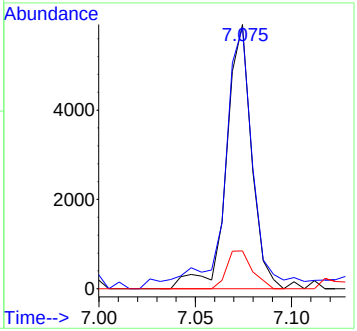


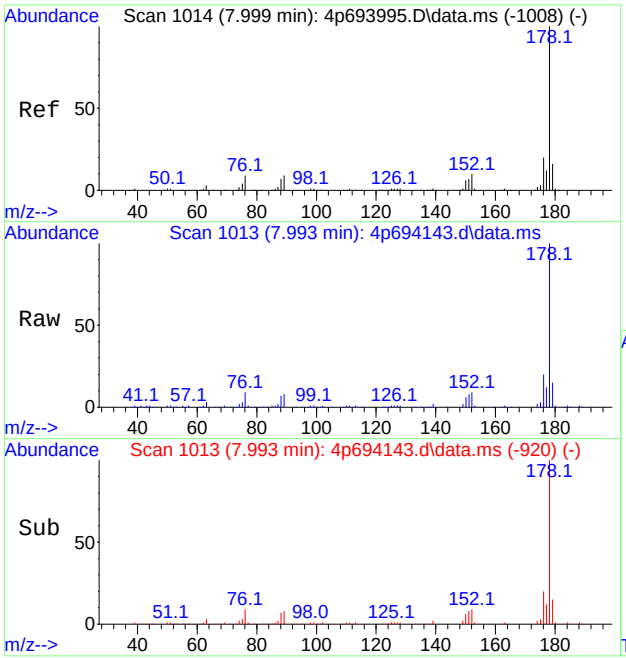


#66
Fluorene
Concen: 1.0092 ppm
RT: 7.075 min Scan# 841
Delta R.T. -0.000 min
Lab File: 4p694143.d
Acq: 6 Dec 2024 12:42 pm

Tgt Ion:166 Resp: 5393

Ion	Ratio	Lower	Upper
166	100		
165	95.8	70.1	130.1
167	14.4	0.0	43.7

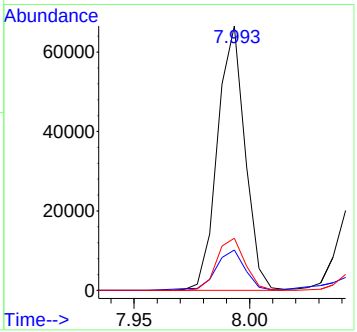


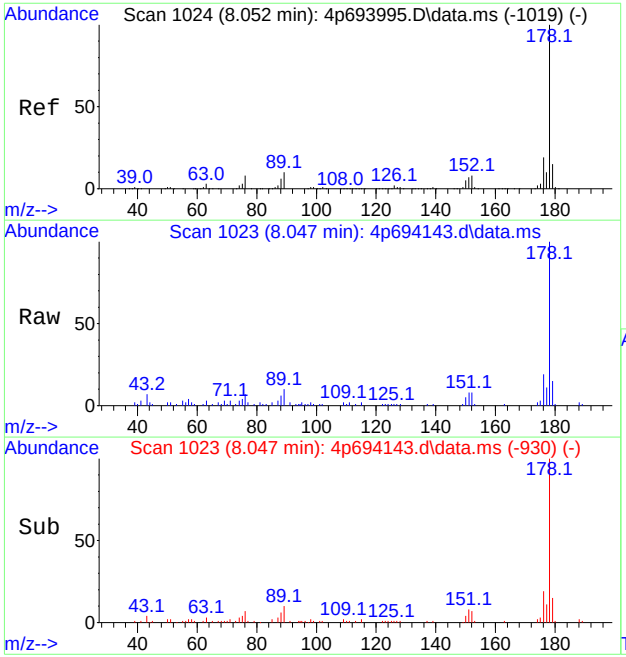


#78
Phenanthrene
Concen: 7.4348 ppm
RT: 7.993 min Scan# 1013
Delta R.T. -0.006 min
Lab File: 4p694143.d
Acq: 6 Dec 2024 12:42 pm

Tgt Ion:178 Resp: 55201

Ion	Ratio	Lower	Upper
178	100		
179	15.1	0.0	45.1
176	19.8	0.0	49.7

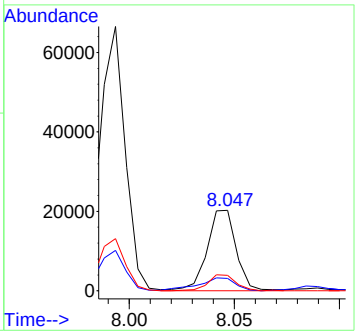


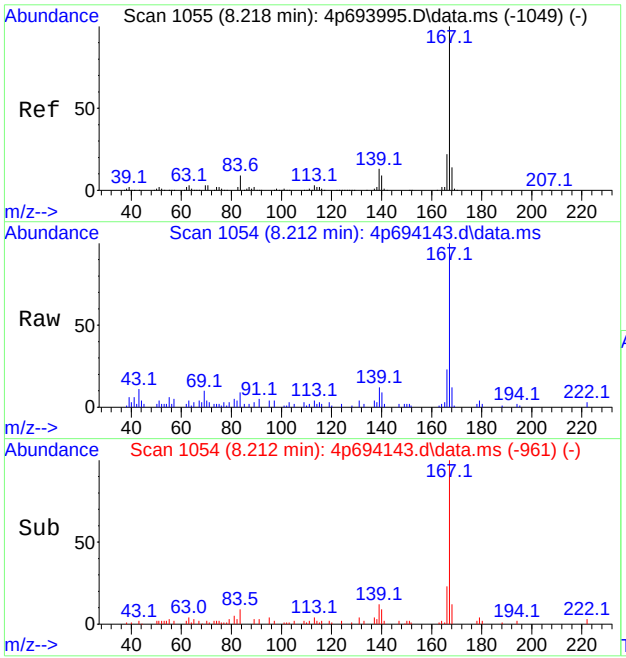


#79
Anthracene
Concen: 2.7013 ppm
RT: 8.047 min Scan# 1023
Delta R.T. -0.006 min
Lab File: 4p694143.d
Acq: 6 Dec 2024 12:42 pm

Tgt Ion:178 Resp: 19716

Ion	Ratio	Lower	Upper
178	100		
179	14.3	0.0	45.3
176	19.4	0.0	49.3

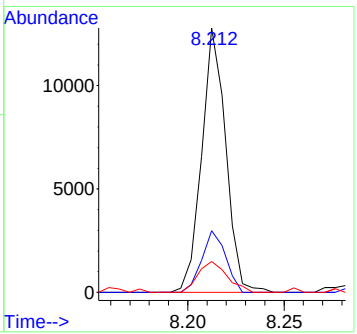


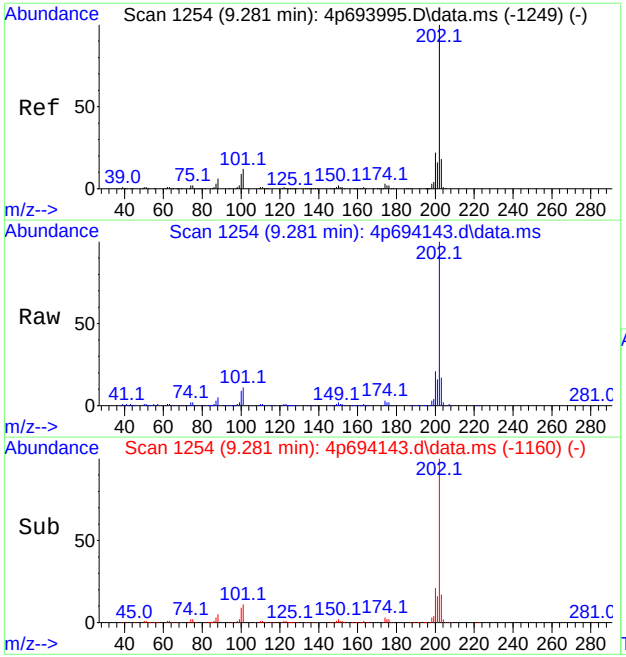


#80
Carbazole
Concen: 1.6617 ppm
RT: 8.212 min Scan# 1054
Delta R.T. -0.006 min
Lab File: 4p694143.d
Acq: 6 Dec 2024 12:42 pm

Tgt Ion:167 Resp: 11139

Ion	Ratio	Lower	Upper
167	100		
166	23.3	0.0	51.7
139	11.7	0.0	42.5

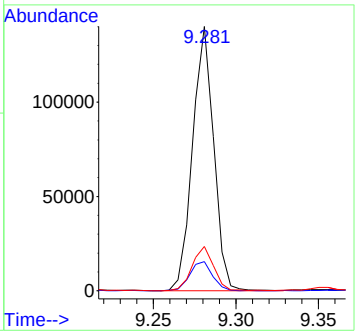


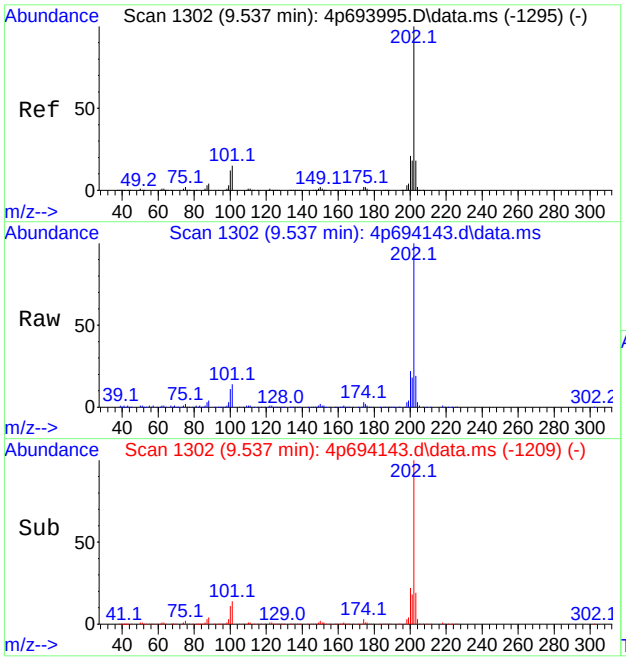


#82
Fluoranthene
Concen: 15.5324 ppm
RT: 9.281 min Scan# 1254
Delta R.T. -0.000 min
Lab File: 4p694143.d
Acq: 6 Dec 2024 12:42 pm

Tgt Ion:202 Resp: 125064

Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	43.3
203	16.7	0.0	48.2

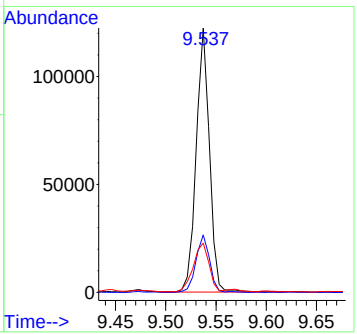


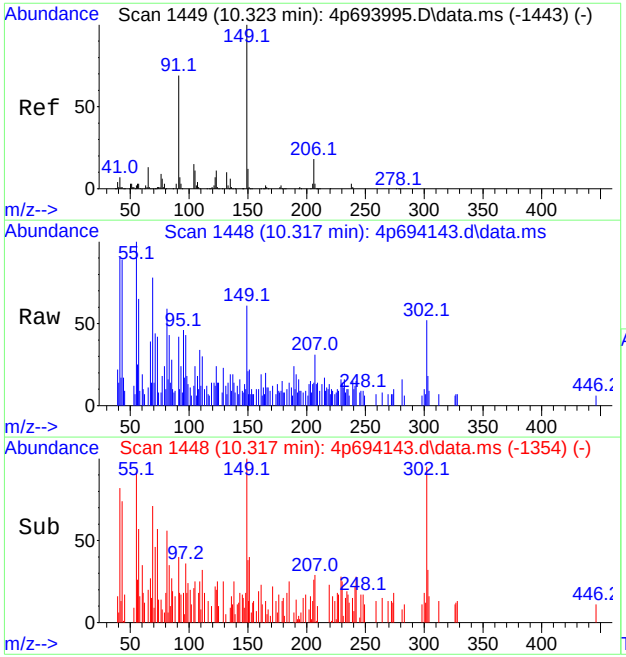


#86
Pyrene
Concen: 10.4547 ppm
RT: 9.537 min Scan# 1302
Delta R.T. -0.006 min
Lab File: 4p694143.d
Acq: 6 Dec 2024 12:42 pm

Tgt Ion:202 Resp: 113665

Ion	Ratio	Lower	Upper
202	100		
200	21.7	0.0	52.1
203	18.4	0.0	47.5

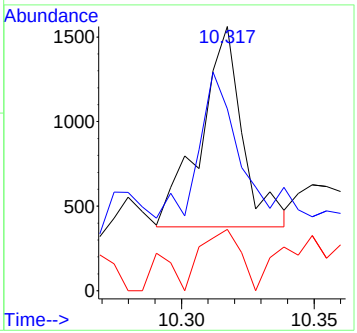


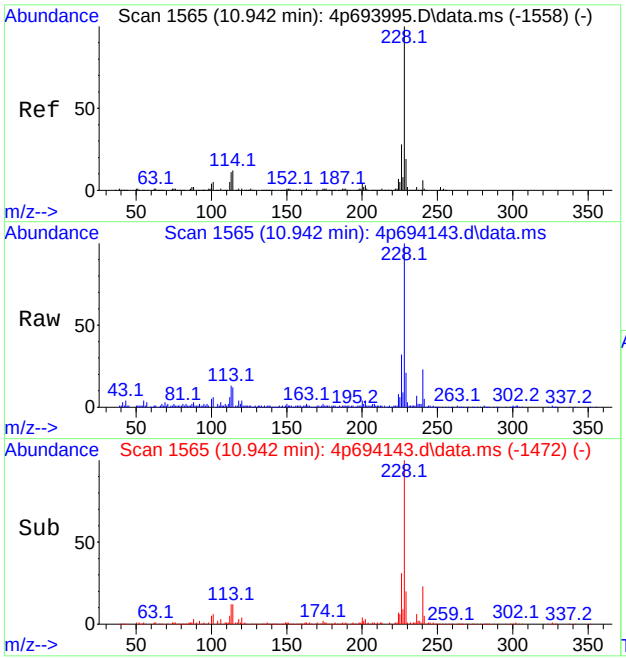


#88
Butylbenzylphthalate
Concen: 0.3115 ppm m
RT: 10.317 min Scan# 1448
Delta R.T. -0.000 min
Lab File: 4p694143.d
Acq: 6 Dec 2024 12:42 pm

Tgt Ion:149 Resp: 1305

Ion	Ratio	Lower	Upper
149	100		
91	68.8	39.9	99.9
206	23.2	0.0	47.7

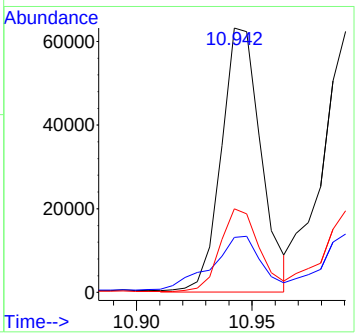


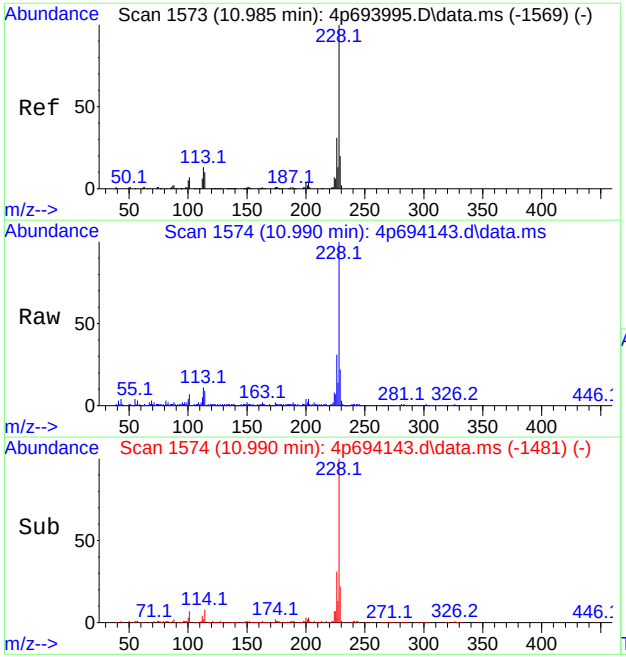


#89
Benzo[a]anthracene
Concen: 7.5330 ppm
RT: 10.942 min Scan# 1565
Delta R.T. -0.006 min
Lab File: 4p694143.d
Acq: 6 Dec 2024 12:42 pm

Tgt Ion:228 Resp: 75682

Ion	Ratio	Lower	Upper
228	100		
229	19.8	0.0	49.7
226	31.6	0.0	58.6

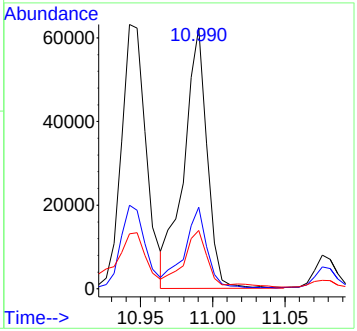


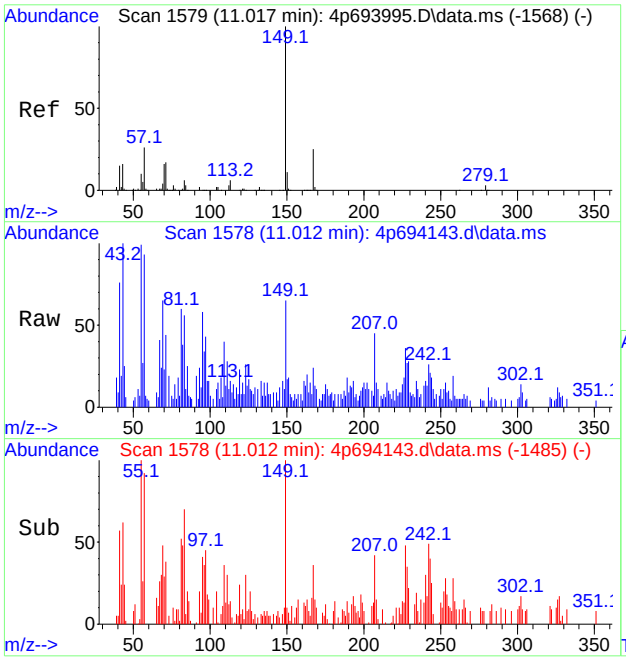


#91
Chrysene
Concen: 7.2518 ppm
RT: 10.990 min Scan# 1574
Delta R.T. -0.006 min
Lab File: 4p694143.d
Acq: 6 Dec 2024 12:42 pm

Tgt Ion:228 Resp: 70243

Ion	Ratio	Lower	Upper
228	100		
226	31.1	1.6	61.6
229	21.7	0.0	50.0

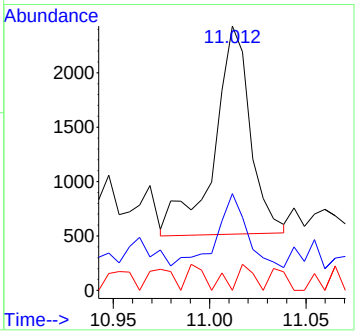


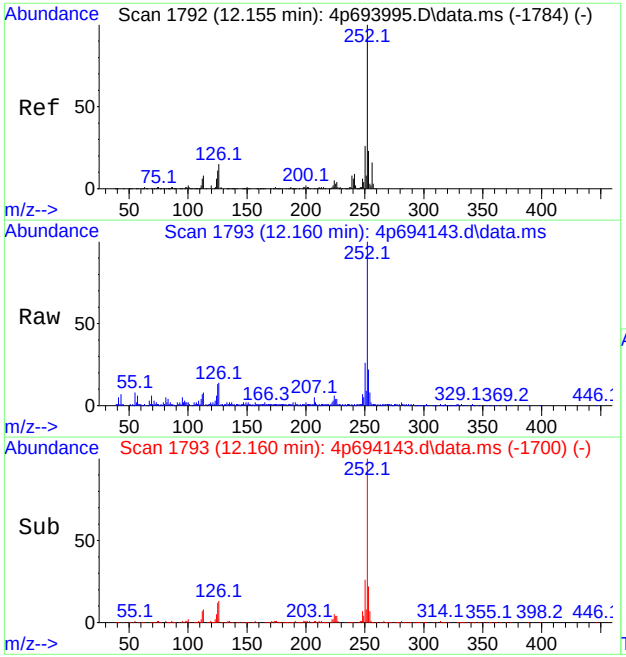


#92
bis(2-Ethylhexyl)phthalate
Concen: 0.3915 ppm
RT: 11.012 min Scan# 1578
Delta R.T. -0.006 min
Lab File: 4p694143.d
Acq: 6 Dec 2024 12:42 pm

Tgt Ion:149 Resp: 2505

Ion	Ratio	Lower	Upper
149	100		
167	32.3	0.0	56.0
279	0.0	0.0	33.1

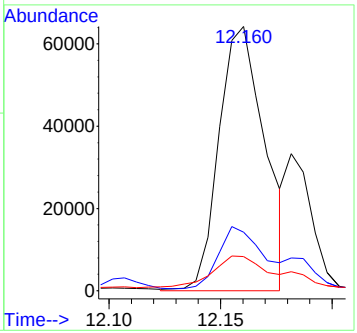


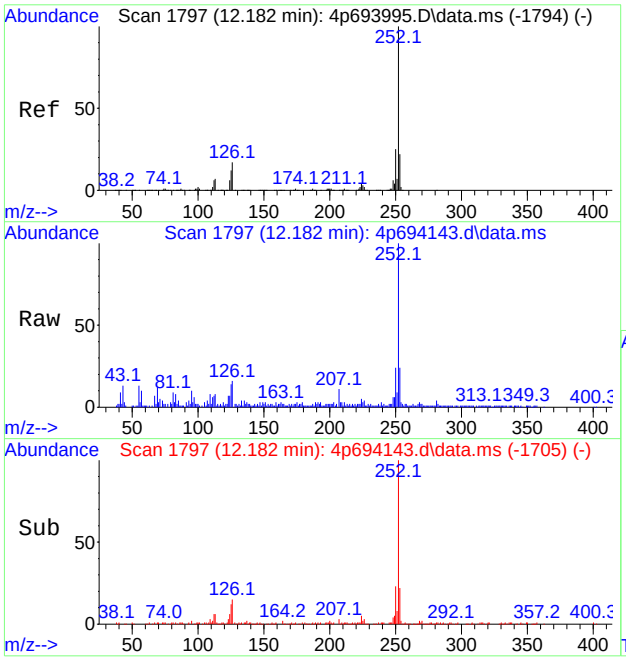


#95
Benzo[b]fluoranthene
Concen: 9.3798 ppm m
RT: 12.160 min Scan# 1793
Delta R.T. -0.006 min
Lab File: 4p694143.d
Acq: 6 Dec 2024 12:42 pm

Tgt Ion:252 Resp: 91818

Ion	Ratio	Lower	Upper
252	100		
253	22.2	0.0	52.2
125	12.9	0.0	41.9

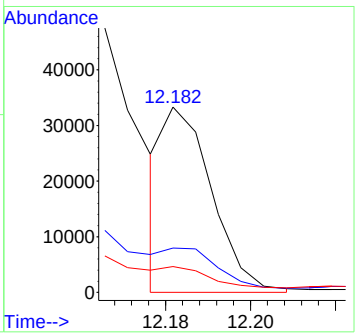


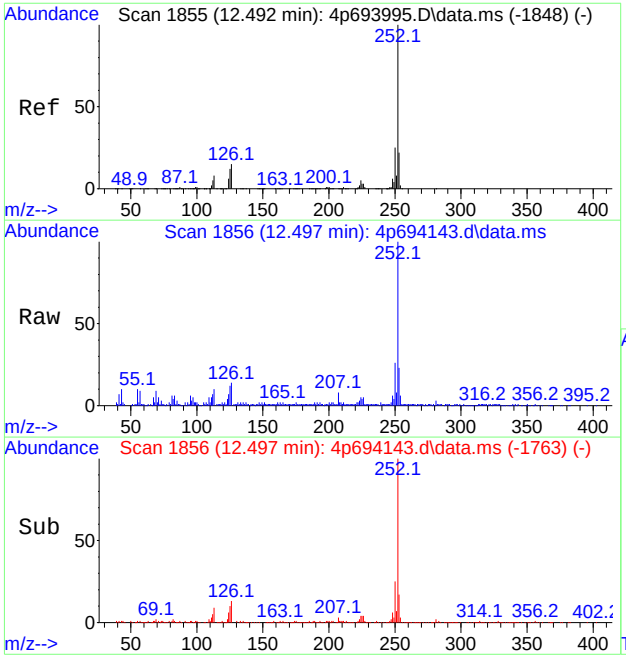


#96
Benzo[k]fluoranthene
Concen: 2.8461 ppm m
RT: 12.182 min Scan# 1797
Delta R.T. -0.011 min
Lab File: 4p694143.d
Acq: 6 Dec 2024 12:42 pm

Tgt Ion:252 Resp: 26417

Ion	Ratio	Lower	Upper
252	100		
253	24.0	0.0	51.9
125	13.9	0.0	41.8

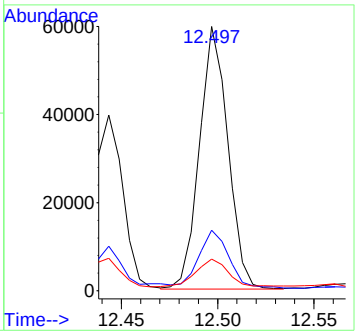


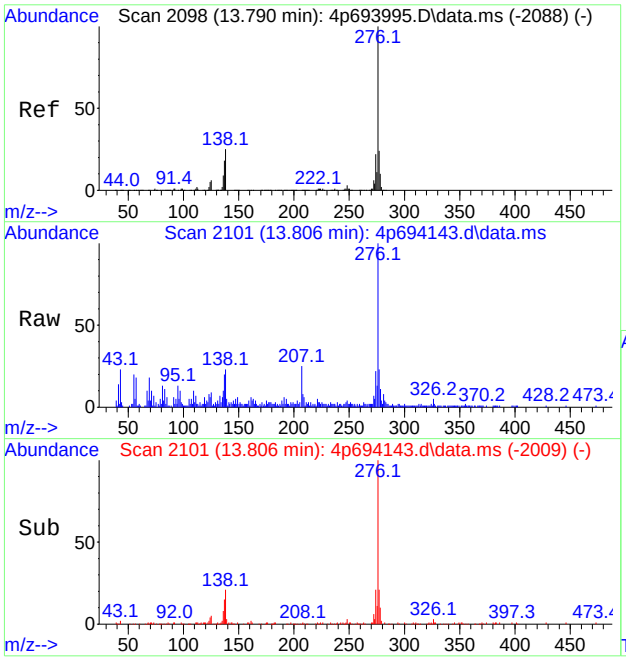


#97
Benzo[a]pyrene
Concen: 7.4213 ppm
RT: 12.497 min Scan# 1856
Delta R.T. -0.006 min
Lab File: 4p694143.d
Acq: 6 Dec 2024 12:42 pm

Tgt Ion:252 Resp: 61417

Ion	Ratio	Lower	Upper
252	100		
253	21.3	0.0	52.0
125	10.4	0.0	43.3

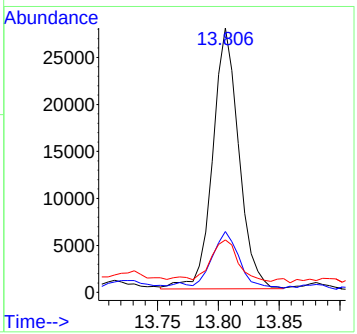


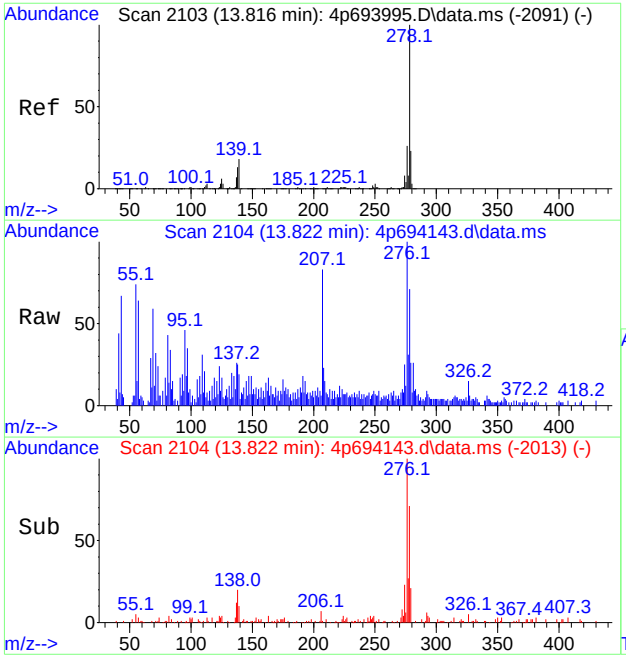


#98
Indeno[1,2,3-cd]pyrene
Concen: 3.7623 ppm
RT: 13.806 min Scan# 2101
Delta R.T. -0.011 min
Lab File: 4p694143.d
Acq: 6 Dec 2024 12:42 pm

Tgt Ion:276 Resp: 41459

Ion	Ratio	Lower	Upper
276	100		
138	21.3	0.0	55.0
137	14.7	0.0	47.6

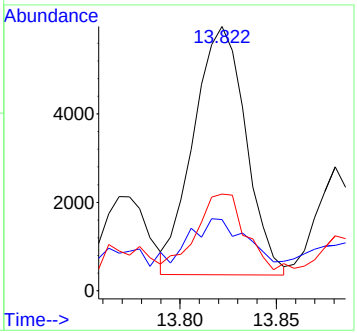


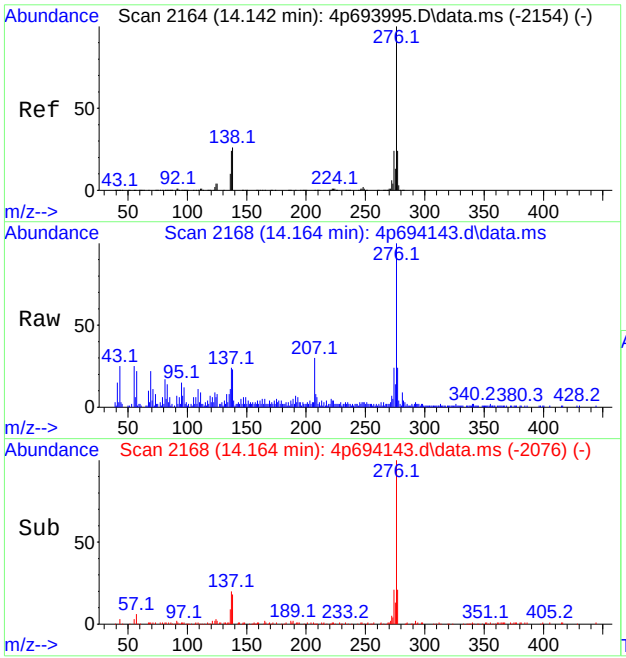


#100
Dibenz[a,h]anthracene
Concen: 1.1835 ppm
RT: 13.822 min Scan# 2104
Delta R.T. -0.016 min
Lab File: 4p694143.d
Acq: 6 Dec 2024 12:42 pm

Tgt Ion:278 Resp: 10577

Ion	Ratio	Lower	Upper
278	100		
139	15.9	0.0	48.0
279	29.9	0.0	52.2

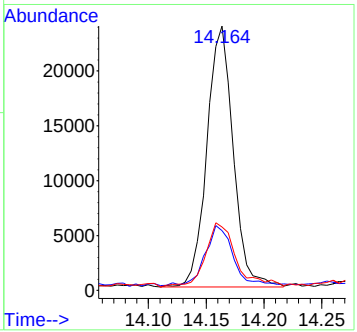


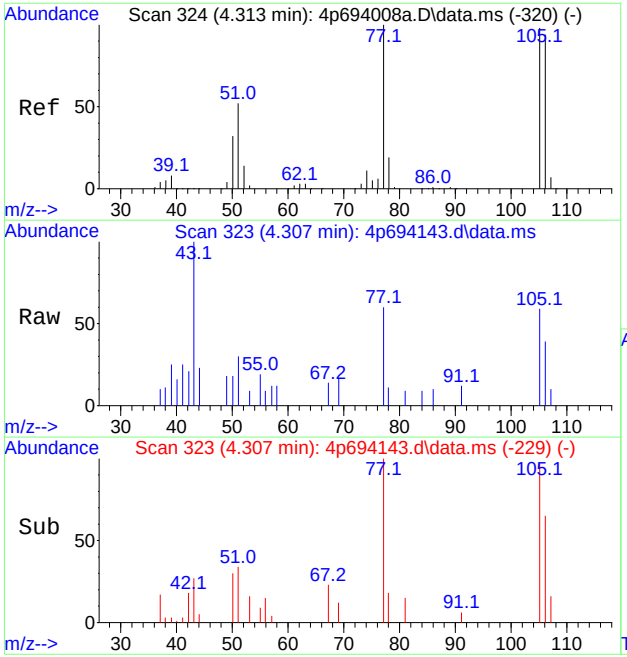


#102
Benzo[g,h,i]perylene
Concen: 4.5148 ppm
RT: 14.164 min Scan# 2168
Delta R.T. -0.011 min
Lab File: 4p694143.d
Acq: 6 Dec 2024 12:42 pm

Tgt Ion:276 Resp: 37668

Ion	Ratio	Lower	Upper
276	100		
138	20.8	0.0	55.7
277	22.7	0.0	53.4

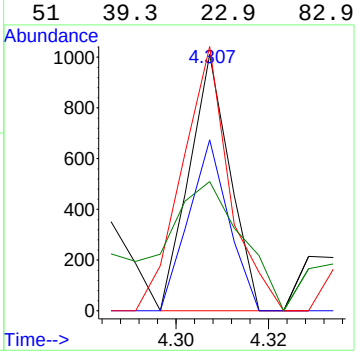




#104
Benzaldehyde
Concen: 0.2510 ppm
RT: 4.307 min Scan# 323
Delta R.T. 0.005 min
Lab File: 4p694143.d
Acq: 6 Dec 2024 12:42 pm

Tgt Ion:105 Resp: 617

Ion	Ratio	Lower	Upper
105	100		
106	66.6	65.5	125.5
77	94.3	71.8	131.8
51	39.3	22.9	82.9



LSC Area Percent Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694143.d
Acq On : 6 Dec 2024 12:42 pm
Operator : kaleigh
Sample : je1536-5
Misc : op59876,e4p3703,30.0,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.02 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 7

Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

Signal : TIC: 4p694143.d\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.370	517	522	534	rVB	846729	628582	55.32%	4.795%
2	5.541	548	554	561	rBV	13038	19389	1.71%	0.148%
3	5.835	604	609	616	rBV	76384	62223	5.48%	0.475%
4	6.086	652	656	663	rBV	519251	362474	31.90%	2.765%
5	6.610	749	754	767	rBV	920005	688289	60.57%	5.250%
6	7.075	837	841	847	rVB	21407	21122	1.86%	0.161%
7	7.294	875	882	892	rBV	174850	150359	13.23%	1.147%
8	7.705	955	959	968	rBV	25931	28122	2.47%	0.215%
9	7.967	1004	1008	1011	rBV	756426	667139	58.71%	5.089%
10	7.993	1011	1013	1018	rVB	148917	110514	9.73%	0.843%
11	8.041	1018	1022	1026	rVB	59727	60276	5.30%	0.460%
12	8.212	1048	1054	1063	rBV	39434	45684	4.02%	0.348%
13	8.496	1100	1107	1109	rBV	23042	26311	2.32%	0.201%
14	8.528	1109	1113	1115	rVB2	26801	27273	2.40%	0.208%
15	8.554	1115	1118	1125	rBV3	58391	69869	6.15%	0.533%
16	8.613	1125	1129	1132	rBV	40453	38253	3.37%	0.292%
17	8.640	1132	1134	1141	rVB	19117	17307	1.52%	0.132%
18	8.747	1147	1154	1158	rBV5	12313	17880	1.57%	0.136%
19	8.848	1170	1173	1178	rVB3	19398	22605	1.99%	0.172%
20	9.105	1215	1221	1224	rBV3	16121	23361	2.06%	0.178%
21	9.195	1235	1238	1245	rBV4	19261	26854	2.36%	0.205%
22	9.281	1249	1254	1262	rBV	313839	298765	26.29%	2.279%
23	9.366	1262	1270	1272	rBV3	30629	46427	4.09%	0.354%
24	9.457	1279	1287	1295	rBV8	26580	51073	4.49%	0.390%
25	9.537	1295	1302	1306	rBV	283240	299384	26.35%	2.284%
26	9.682	1323	1329	1332	rBV	18853	21903	1.93%	0.167%
27	9.730	1332	1338	1345	rBV	468543	471716	41.51%	3.598%
28	9.804	1345	1352	1355	rBV2	23698	34579	3.04%	0.264%
29	9.927	1363	1375	1381	rVB	42579	80841	7.11%	0.617%
30	10.007	1381	1390	1394	rBV2	44177	69856	6.15%	0.533%
31	10.050	1394	1398	1407	rVB3	40562	54422	4.79%	0.415%
32	10.152	1413	1417	1420	rBV	16843	19755	1.74%	0.151%
33	10.189	1420	1424	1429	rBV2	25581	29519	2.60%	0.225%
34	10.387	1456	1461	1464	rBV7	9322	15727	1.38%	0.120%
35	10.435	1464	1470	1473	rBV8	15107	20727	1.82%	0.158%
36	10.499	1478	1482	1485	rBV2	14912	21335	1.88%	0.163%
37	10.526	1485	1487	1495	rVB	23150	27165	2.39%	0.207%
38	10.600	1495	1501	1506	rBV	61152	67039	5.90%	0.511%
39	10.654	1506	1511	1514	rBV	39152	49142	4.32%	0.375%
40	10.691	1514	1518	1520	rBV	24971	24731	2.18%	0.189%

LSC Area Percent Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694143.d
Acq On : 6 Dec 2024 12:42 pm
Operator : kaleigh
Sample : je1536-5
Misc : op59876,e4p3703,30.0,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.02 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 7

Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

41	10.777	1531	1534	1540	rVB	26496	33596	2.96%	0.256%
42	10.852	1540	1548	1556	rBV3	102851	179499	15.80%	1.369%
43	10.958	1556	1568	1572	rBV2	822051	1136359	100.00%	8.668%
44	10.990	1572	1574	1583	rVB	161291	183903	16.18%	1.403%
45	11.076	1583	1590	1593	rBV2	38917	47370	4.17%	0.361%
46	11.124	1594	1599	1604	rBV4	28413	35959	3.16%	0.274%
47	11.199	1608	1613	1617	rVB2	20076	28995	2.55%	0.221%
48	11.241	1617	1621	1631	rBV2	46275	85196	7.50%	0.650%
49	11.391	1637	1649	1652	rBV7	46094	69412	6.11%	0.529%
50	11.428	1652	1656	1660	rVB	34171	41316	3.64%	0.315%
51	11.466	1660	1663	1668	rBV2	16247	25009	2.20%	0.191%
52	11.541	1674	1677	1679	rBV3	22678	22610	1.99%	0.172%
53	11.573	1679	1683	1685	rBV4	25354	29902	2.63%	0.228%
54	11.626	1689	1693	1699	rBV	206654	227096	19.98%	1.732%
55	11.680	1701	1703	1711	rVB8	15452	22803	2.01%	0.174%
56	11.770	1716	1720	1722	rBV5	20315	23464	2.06%	0.179%
57	11.802	1722	1726	1731	rVB3	42822	61323	5.40%	0.468%
58	11.888	1739	1742	1745	rBV5	17939	24944	2.20%	0.190%
59	11.995	1753	1762	1767	rBV8	35392	81427	7.17%	0.621%
60	12.054	1769	1773	1779	rVB6	17239	23646	2.08%	0.180%
61	12.155	1784	1792	1803	rBV2	174512	442708	38.96%	3.377%
62	12.262	1803	1812	1816	rBV2	47863	86479	7.61%	0.660%
63	12.337	1820	1826	1836	rBV2	263762	454014	39.95%	3.463%
64	12.411	1836	1840	1842	rVV3	29349	40513	3.57%	0.309%
65	12.443	1842	1846	1850	rVV	101083	106639	9.38%	0.813%
66	12.497	1852	1856	1862	rVV	162055	202861	17.85%	1.547%
67	12.561	1862	1868	1880	rVV	835772	964622	84.89%	7.358%
68	12.684	1887	1891	1894	rBV5	23374	34015	2.99%	0.259%
69	12.716	1894	1897	1901	rVV5	29830	43614	3.84%	0.333%
70	12.769	1903	1907	1913	rVV9	25090	43355	3.82%	0.331%
71	12.860	1913	1924	1937	rVV2	160304	321115	28.26%	2.449%
72	12.956	1937	1942	1945	rVV7	29475	52011	4.58%	0.397%
73	12.988	1945	1948	1952	rVV6	17090	27954	2.46%	0.213%
74	13.069	1952	1963	1968	rVV	348963	502607	44.23%	3.834%
75	13.111	1968	1971	1974	rVV3	59902	88564	7.79%	0.676%
76	13.138	1974	1976	1979	rVV4	40873	53934	4.75%	0.411%
77	13.170	1979	1982	1997	rVV6	57241	166746	14.67%	1.272%
78	13.272	1997	2001	2006	rVB4	45148	70835	6.23%	0.540%
79	13.357	2007	2017	2027	rVB4	24722	60446	5.32%	0.461%
80	13.496	2038	2043	2047	rBV7	18561	30986	2.73%	0.236%
81	13.544	2047	2052	2057	rVB9	27431	42999	3.78%	0.328%
82	13.597	2061	2062	2070	rVB8	15429	24534	2.16%	0.187%
83	13.667	2070	2075	2080	rBV7	24266	44419	3.91%	0.339%
84	13.726	2080	2086	2094	rVB2	128565	199448	17.55%	1.521%
85	13.806	2094	2101	2108	rBV2	78012	143116	12.59%	1.092%

LSC Area Percent Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694143.d
Acq On : 6 Dec 2024 12:42 pm
Operator : kaleigh
Sample : je1536-5
Misc : op59876,e4p3703,30.0,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.02 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 7

Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

86	13.955	2122	2129	2141	rVV4	247170	522316	45.96%	3.984%
87	14.041	2141	2145	2152	rVV8	42958	97504	8.58%	0.744%
88	14.116	2152	2159	2163	rVV2	53378	105675	9.30%	0.806%
89	14.164	2163	2168	2173	rVV	61048	95035	8.36%	0.725%
90	14.217	2173	2178	2187	rVB	45559	96040	8.45%	0.733%
91	14.308	2187	2195	2200	rBV4	106091	189462	16.67%	1.445%
92	14.340	2200	2201	2207	rVV3	18428	25082	2.21%	0.191%
93	14.527	2231	2236	2243	rBV10	8501	22308	1.96%	0.170%
94	14.607	2246	2251	2259	rBV10	35868	69146	6.08%	0.527%
95	14.698	2259	2268	2278	rVB10	15954	58856	5.18%	0.449%
96	14.783	2278	2284	2289	rVB10	7202	16689	1.47%	0.127%
97	14.853	2289	2297	2304	rBV3	69939	145688	12.82%	1.111%
98	14.912	2304	2308	2319	rVB3	26696	73997	6.51%	0.564%
99	15.104	2335	2344	2352	rBV3	44656	98458	8.66%	0.751%
100	15.286	2369	2378	2382	rBV3	15850	43660	3.84%	0.333%

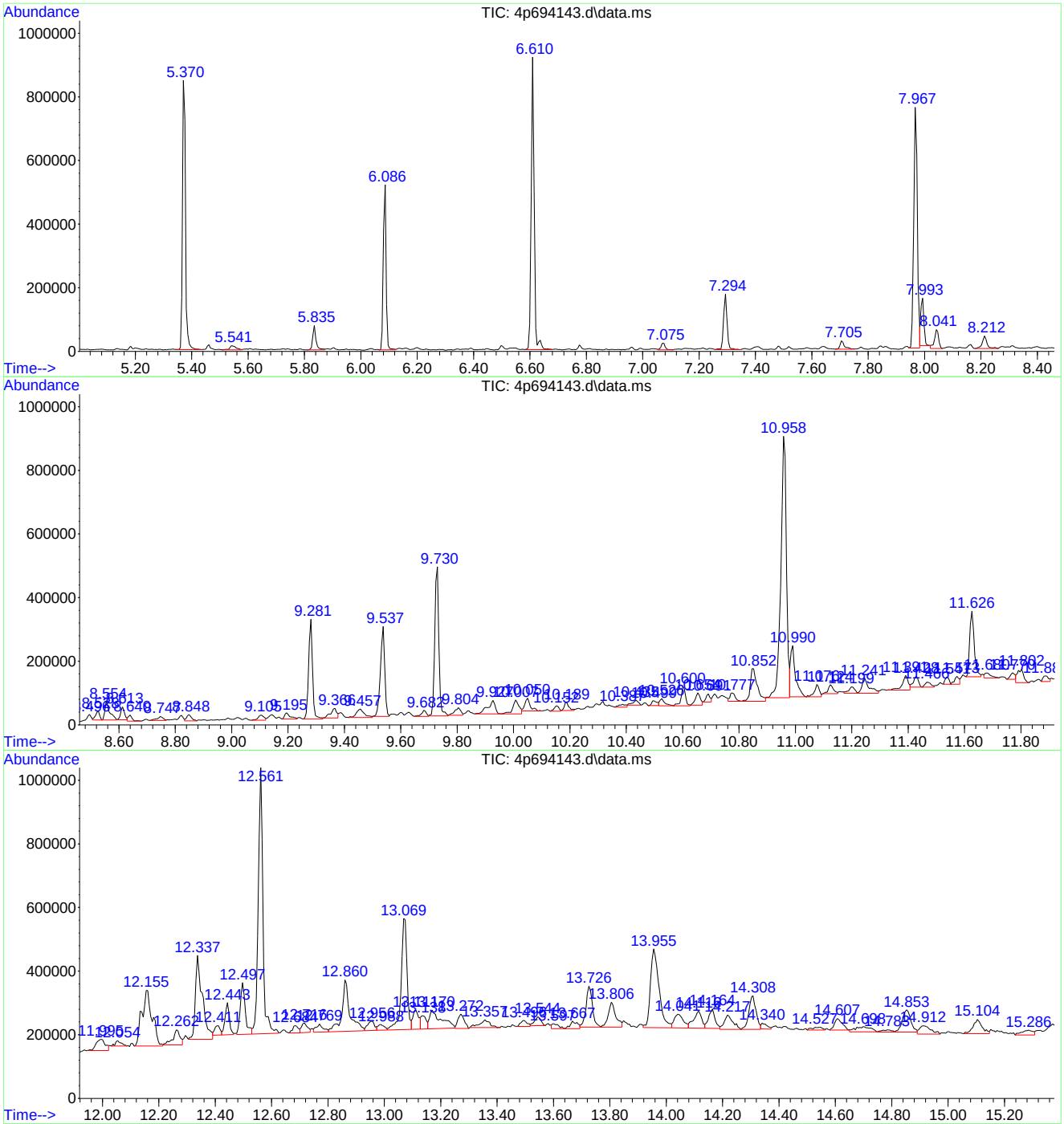
Sum of corrected areas: 13110271

LSC Report - Integrated Chromatogram

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694143.d
Acq On : 6 Dec 2024 12:42 pm
Operator : kaleigh
Sample : je1536-5
Misc : op59876,e4p3703,30.0,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P



Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694143.d
Acq On : 6 Dec 2024 12:42 pm
Operator : kaleigh
Sample : je1536-5
Misc : op59876,e4p3703,30.0,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

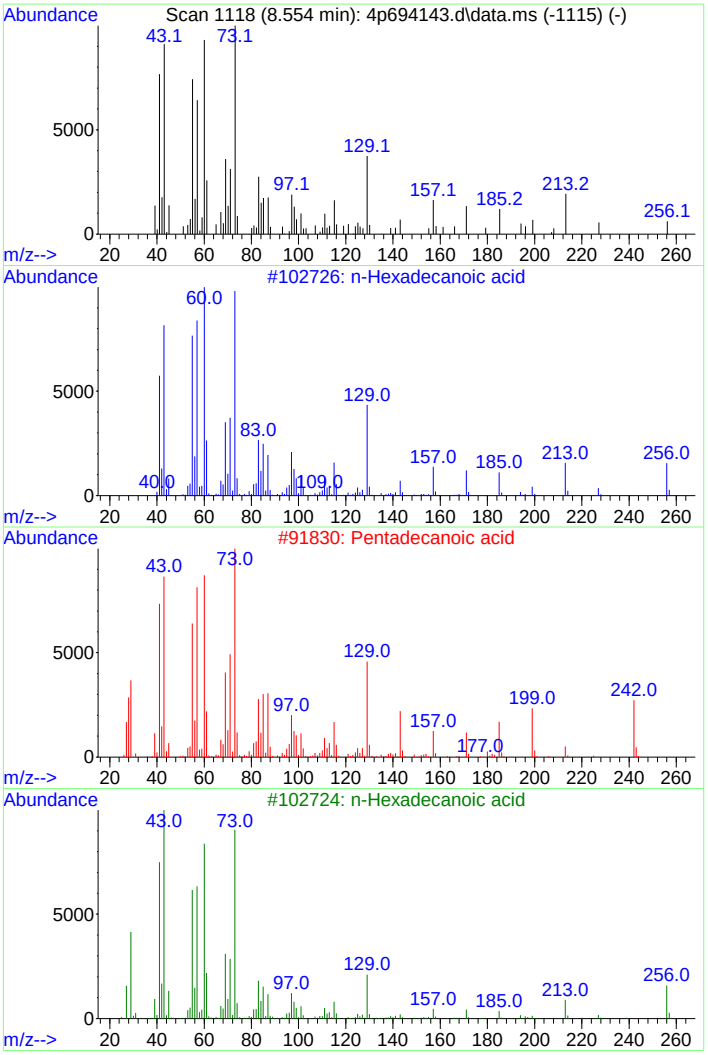
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

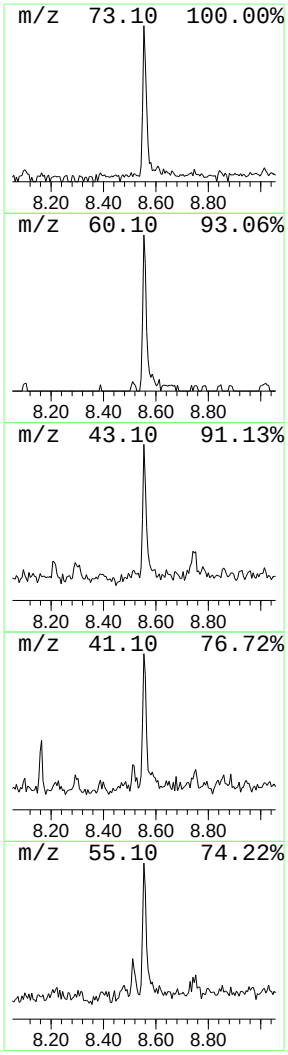
****

Peak Number 1 n-Hexadecanoic acid Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.554	4.19 ppm	69869	Phenanthrene-d10a	7.967

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	72
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	72
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	64
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	62





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694143.d
Acq On : 6 Dec 2024 12:42 pm
Operator : kaleigh
Sample : je1536-5
Misc : op59876,e4p3703,30.0,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

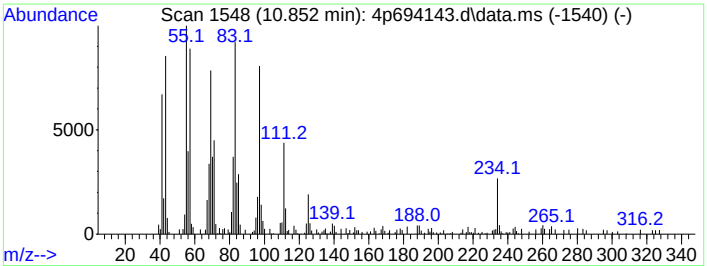
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

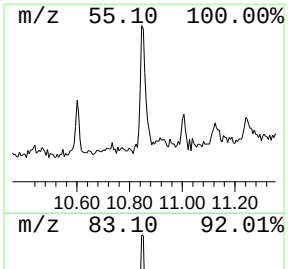
****

Peak Number 2 Unknown Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.852	6.32 ppm	179499	Chrysene-d12	10.958

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Eicosene, (E)-	280	C20H40	074685-33-9	97
2	n-Tetracosanol-1	354	C24H50O	000506-51-4	94
3	1-Heneicosanol	312	C21H44O	015594-90-8	94
4	Bromoacetic acid, octadecyl ester	390	C20H39BrO2	018992-03-5	91
5	9-Eicosene, (E)-	280	C20H40	074685-29-3	91





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694143.d
Acq On : 6 Dec 2024 12:42 pm
Operator : kaleigh
Sample : je1536-5
Misc : op59876,e4p3703,30.0,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

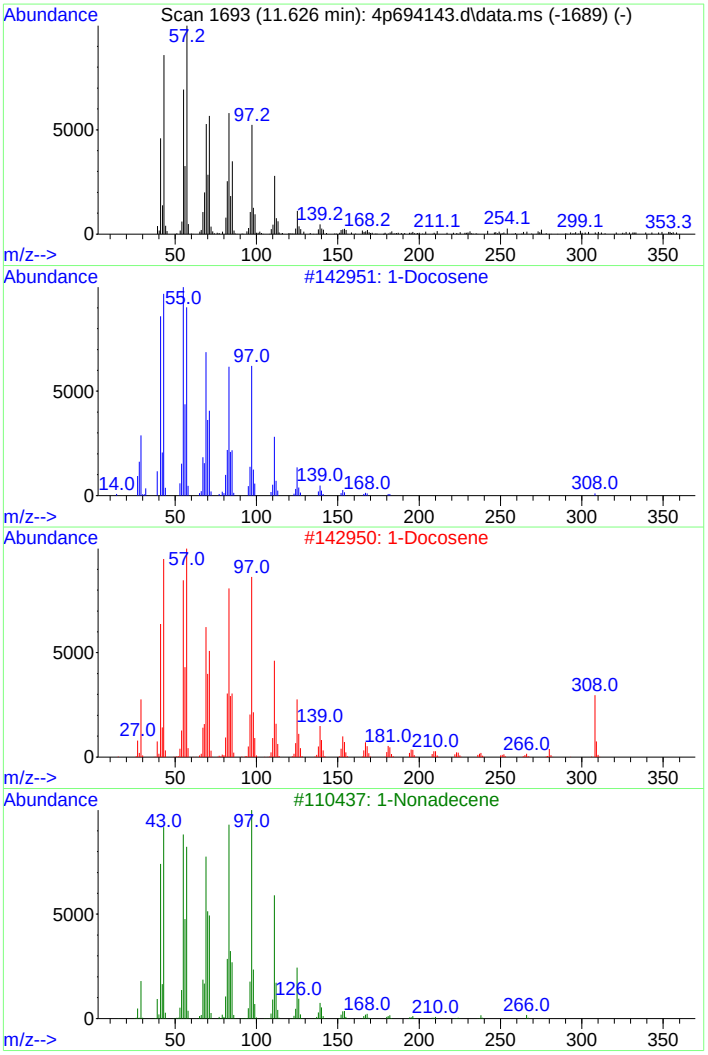
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

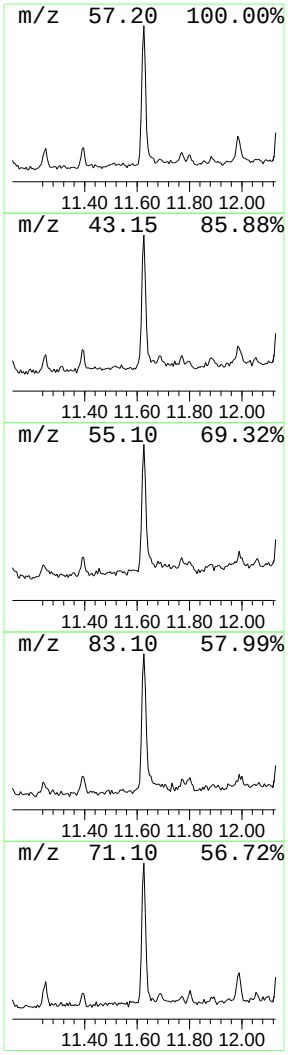
****

Peak Number 3 Alkene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.626	7.99 ppm	227096	Chrysene-d12b	10.958

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Docosene	308	C22H44	001599-67-3	98
2	1-Docosene	308	C22H44	001599-67-3	97
3	1-Nonadecene	266	C19H38	018435-45-5	97
4	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	95
5	1-Nonadecene	266	C19H38	018435-45-5	91





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694143.d
Acq On : 6 Dec 2024 12:42 pm
Operator : kaleigh
Sample : je1536-5
Misc : op59876,e4p3703,30.0,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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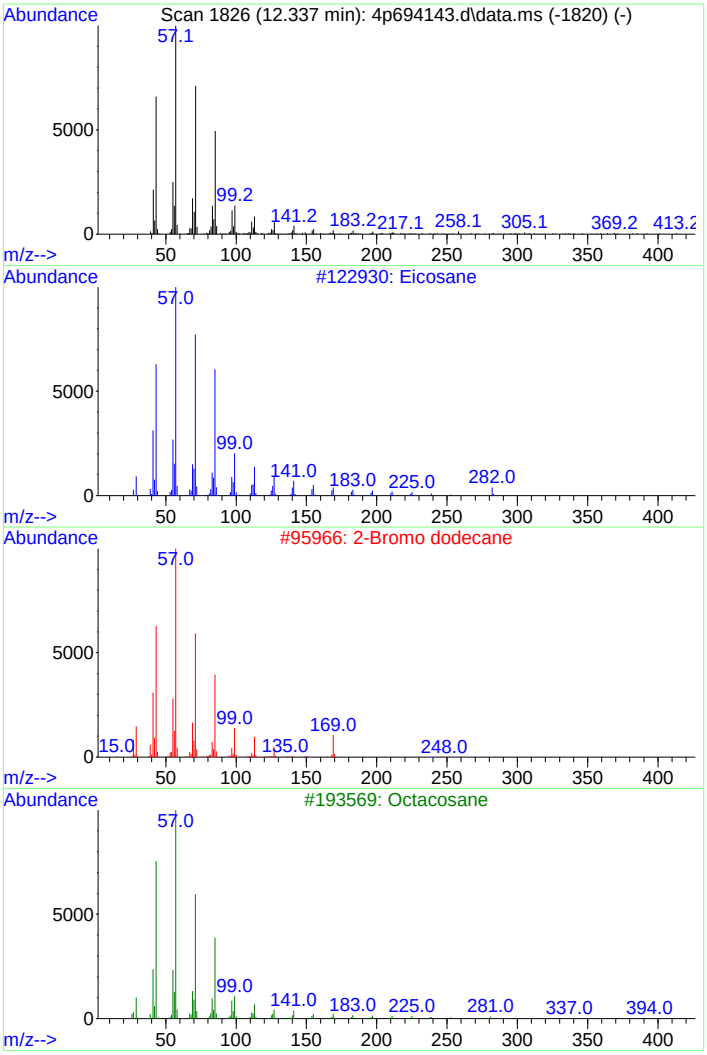
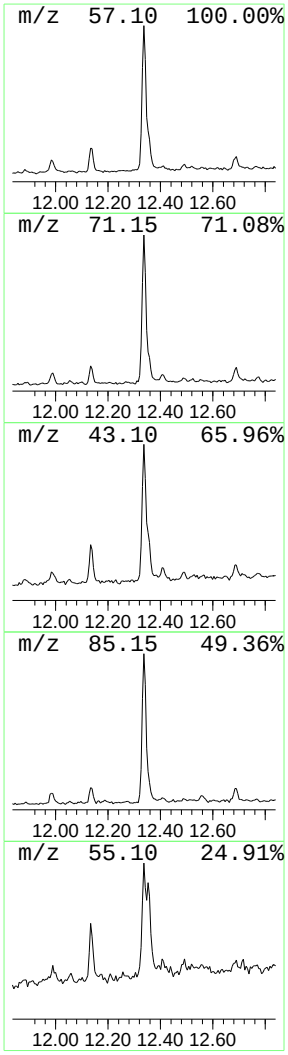
Peak Number 4 Alkane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.337	18.83 ppm	454014	Perylene-d12	12.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	95
2	2-Bromo dodecane	248	C12H25Br	013187-99-0	91
3	Octacosane	394	C28H58	000630-02-4	87
4	Heneicosane	296	C21H44	000629-94-7	87
5	Tetracosane	338	C24H50	000646-31-1	86





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ALS Vial : 10 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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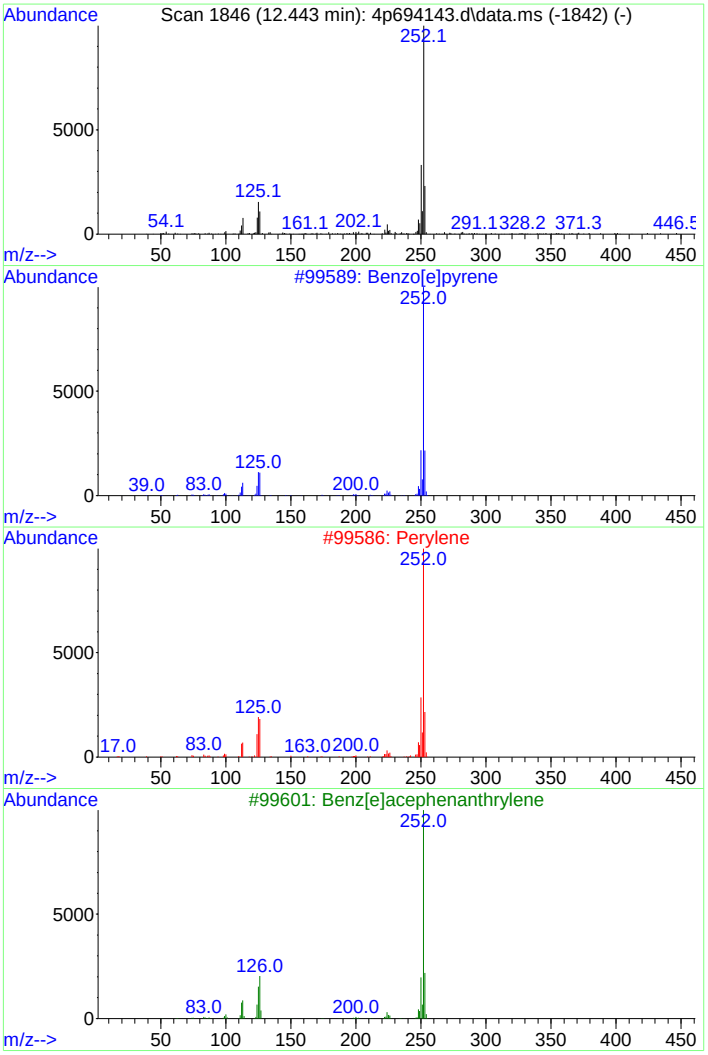
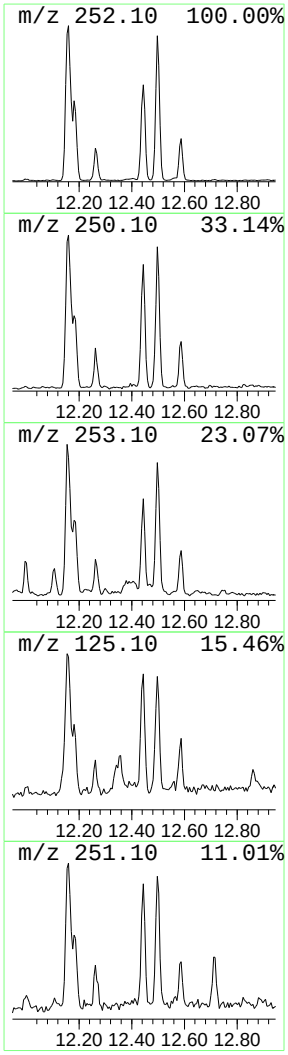
Peak Number 5 Unknown PAH substance Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.444	4.42 ppm	106639	Perylene-d12	12.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Perylene	252	C20H12	000198-55-0	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90
5	Benzo[e]pyrene	252	C20H12	000192-97-2	90





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ALS Vial : 10 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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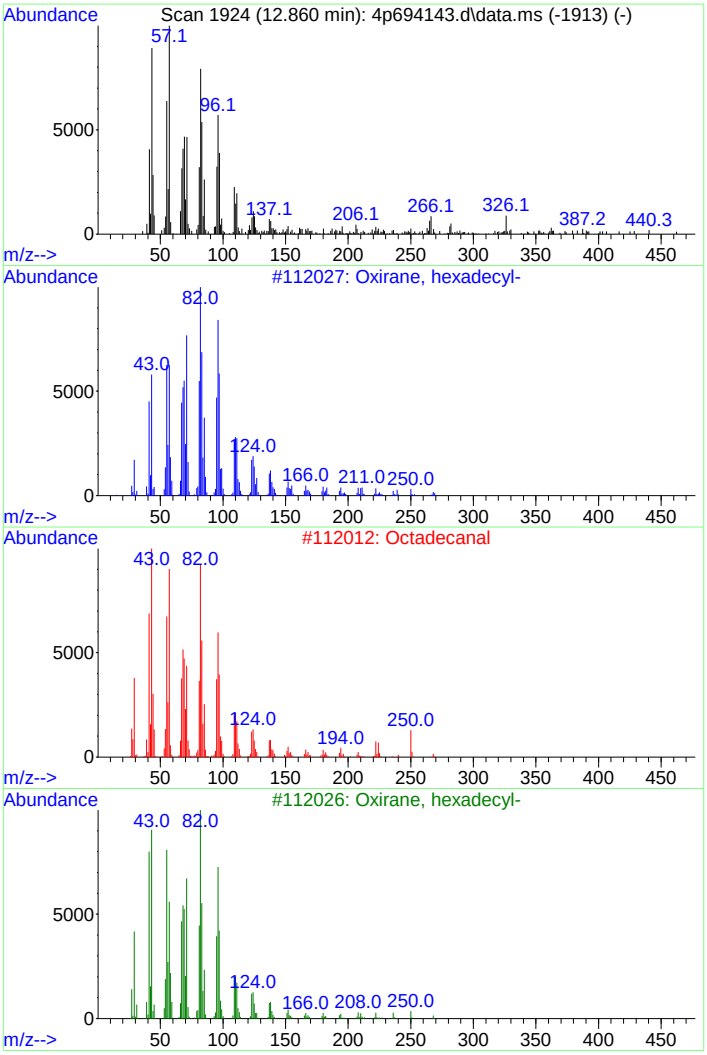
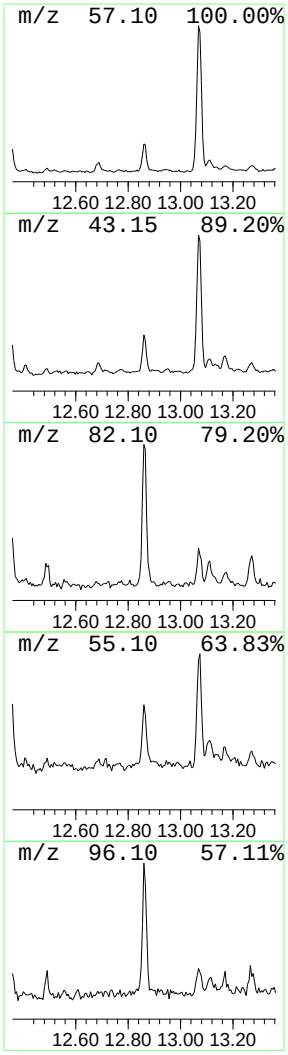
Peak Number 6 Oxirane, hexadecyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.860	13.32 ppm	321115	Perylene-d12	12.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	91
2	Octadecanal	268	C18H36O	000638-66-4	91
3	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	90
4	16-Heptadecenal	252	C17H32O	1000144-57-9	89
5	Oxirane, heptadecyl-	282	C19H38O	067860-04-2	83





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ALS Vial : 10 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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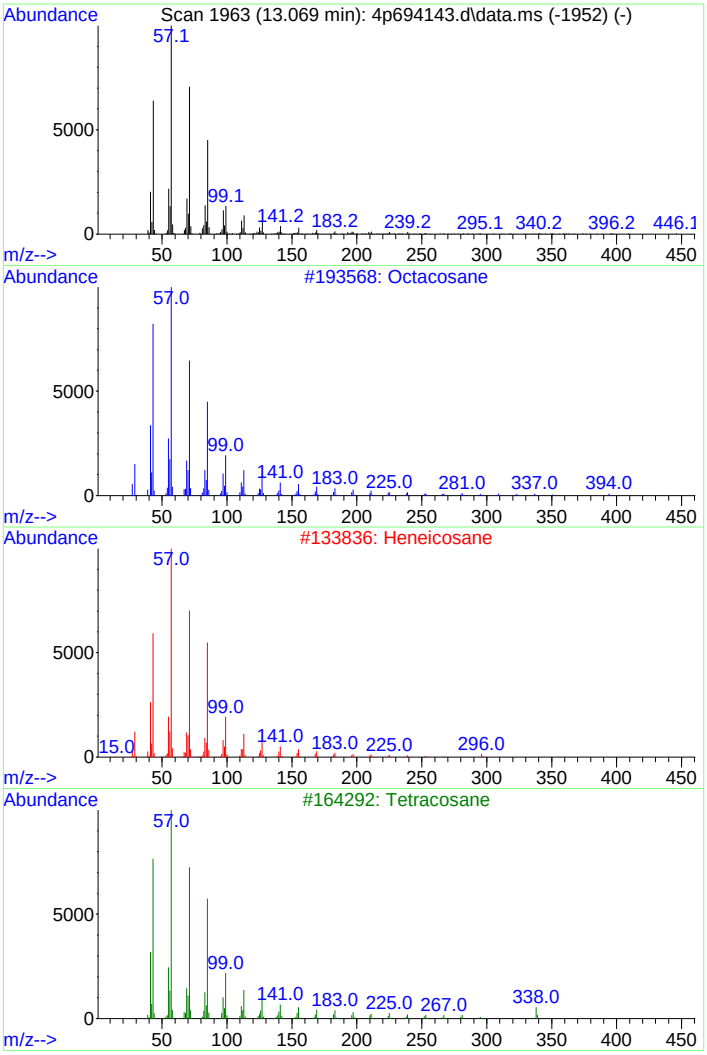
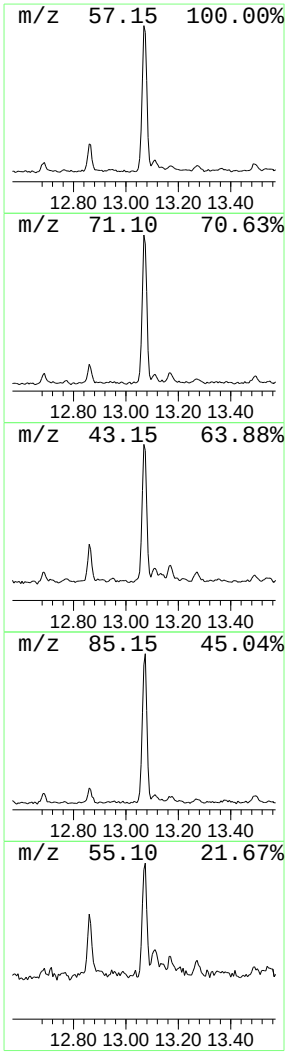
Peak Number 7 Alkane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.069	20.84 ppm	502607	Perylene-d12	12.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	90
2	Heneicosane	296	C21H44	000629-94-7	90
3	Tetracosane	338	C24H50	000646-31-1	90
4	Tetratriacontane	479	C34H70	014167-59-0	90
5	Heneicosane, 11-decyl-	437	C31H64	055320-06-4	87





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ALS Vial : 10 Sample Multiplier: 1

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Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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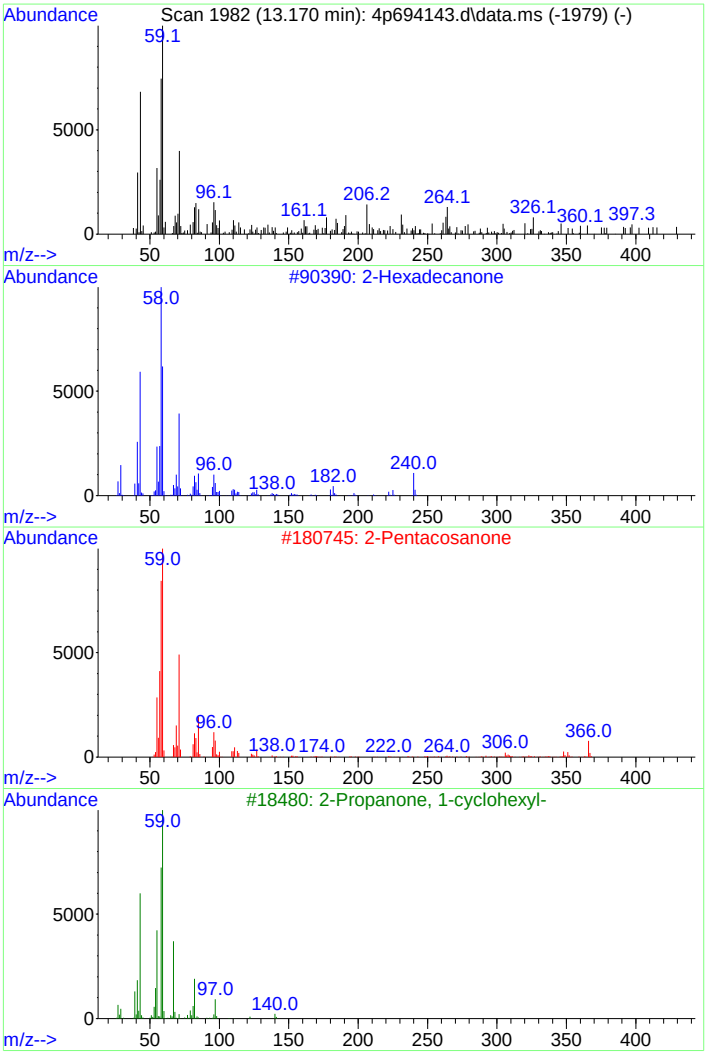
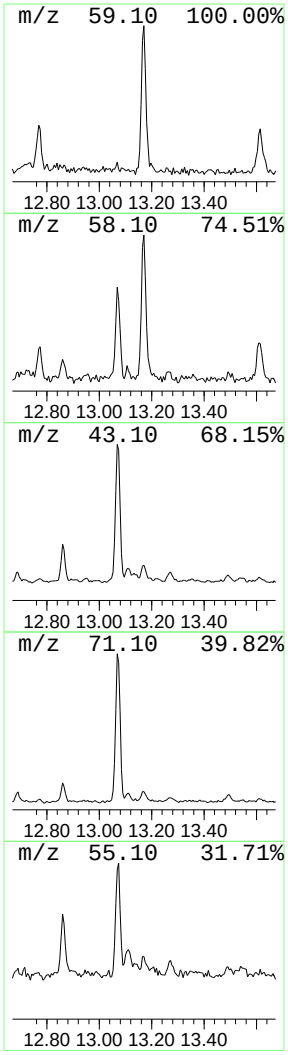
Peak Number 8 Unknown Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.170	6.91 ppm	166746	Perylene-d12	12.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexadecanone	240	C16H32O	018787-63-8	52
2	2-Pentacosanone	366	C25H50O	075207-54-4	52
3	2-Propanone, 1-cyclohexyl-	140	C9H16O	000103-78-6	43
4	2-Undecanone	170	C11H22O	000112-12-9	43
5	Oxirane, tetramethyl-	100	C6H12O	005076-20-0	38





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Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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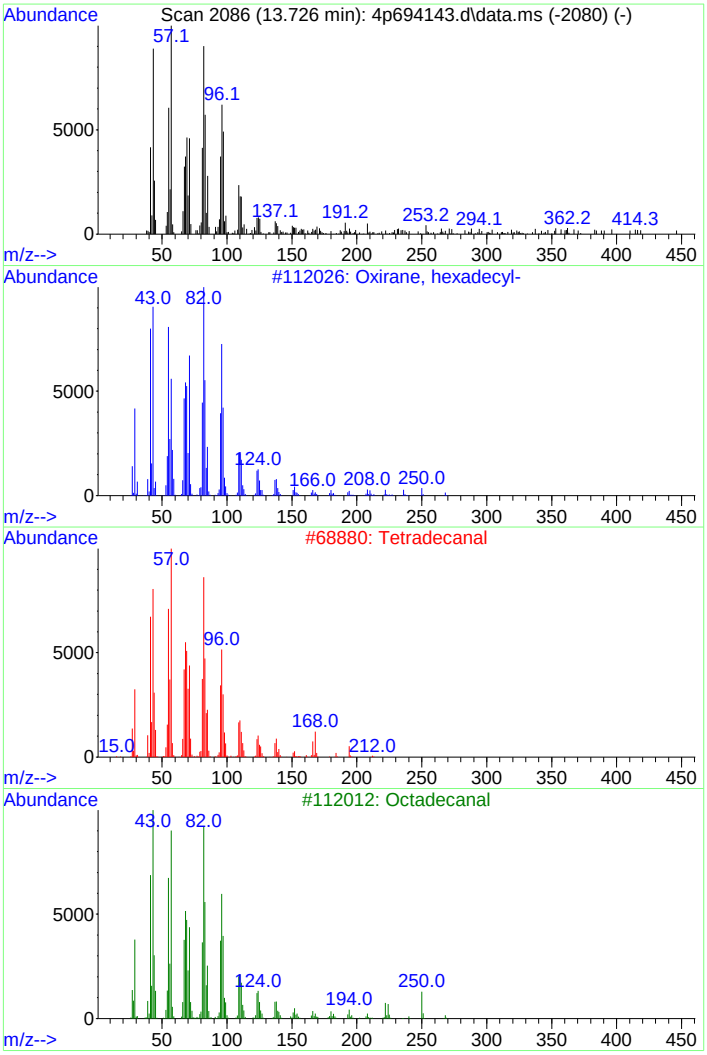
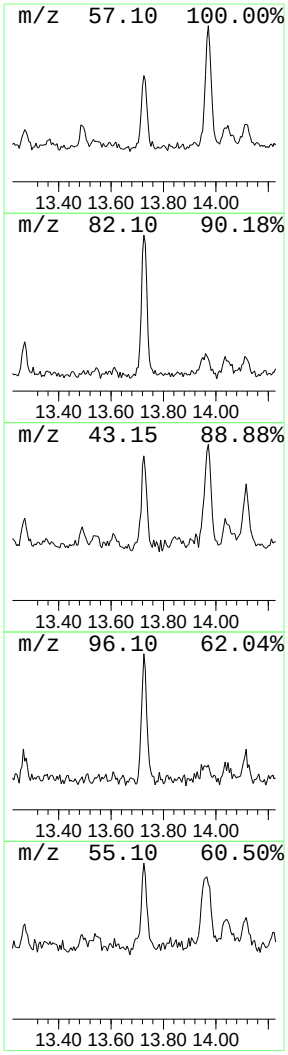
Peak Number 9 Unknown Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.726	8.27 ppm	199448	Perylene-d12	12.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	93
2	Tetradecanal	212	C14H28O	000124-25-4	93
3	Octadecanal	268	C18H36O	000638-66-4	91
4	Z-2-Octadecen-1-ol	268	C18H36O	1000131-11-0	90
5	Tetradecanal	212	C14H28O	000124-25-4	83





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Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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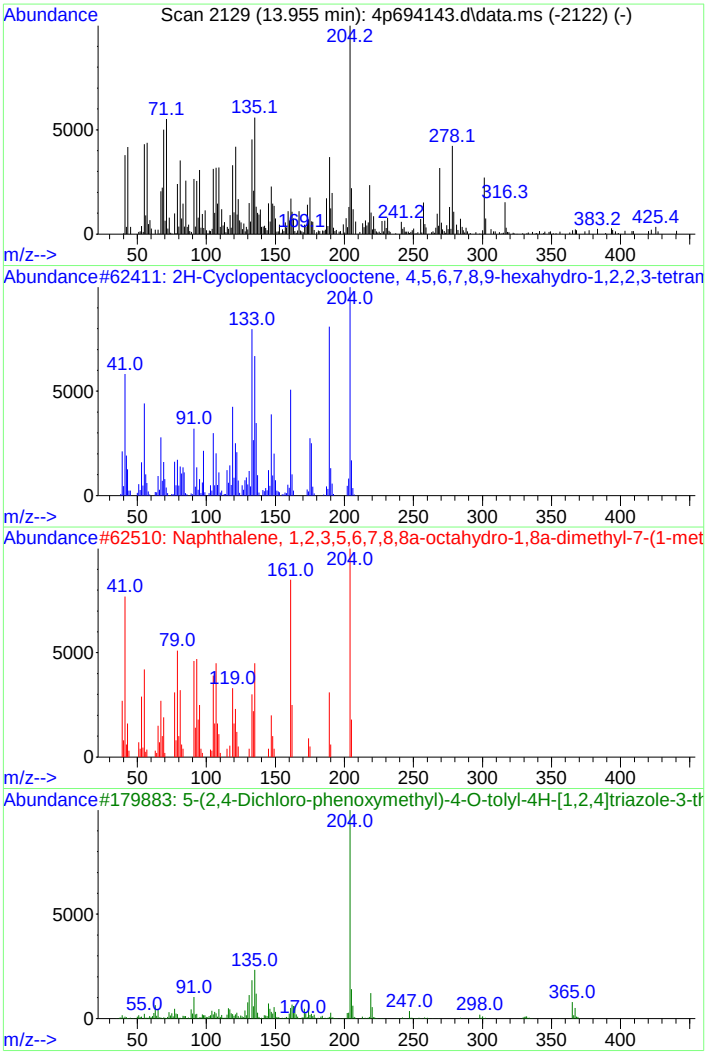
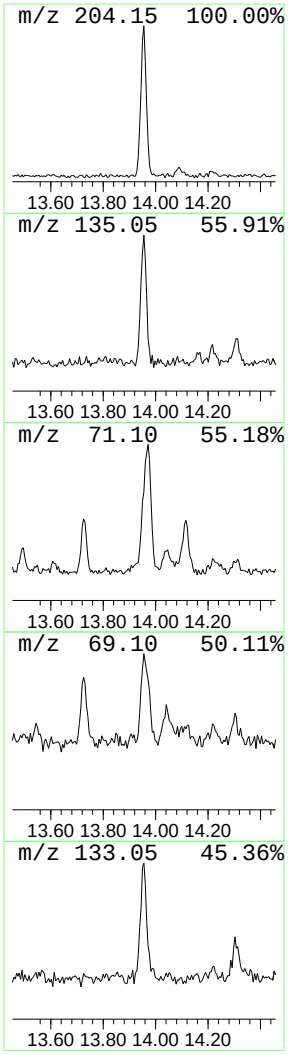
Peak Number 10 Unknown Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.955	21.66 ppm	522316	Perylene-d12	12.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Cyclopentacyclooctene, 4,5,6,...	204	C15H24	1000221-85-8	50
2	Naphthalene, 1,2,3,5,6,7,8,8a-oc...	204	C15H24	004630-07-3	43
3	5-(2,4-Dichloro-phenoxymethyl)-4...	365	C16H13Cl2N3OS	1000296-81-4	42
4	1H-3a,7-Methanoazulene, 2,3,6,7,...	204	C15H24	000560-32-7	41
5	1H-Cycloprop[e]azulene, 1a,2,3,4...	204	C15H24	000489-40-7	38





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Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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Peak Number 11 Eicosene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.041	4.04 ppm	97504	Perylene-d12	12.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Eicosene, (E)-	280	C20H40	074685-33-9	87
2	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	72
3	Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	58
4	5-Eicosene, (E)-	280	C20H40	074685-30-6	53
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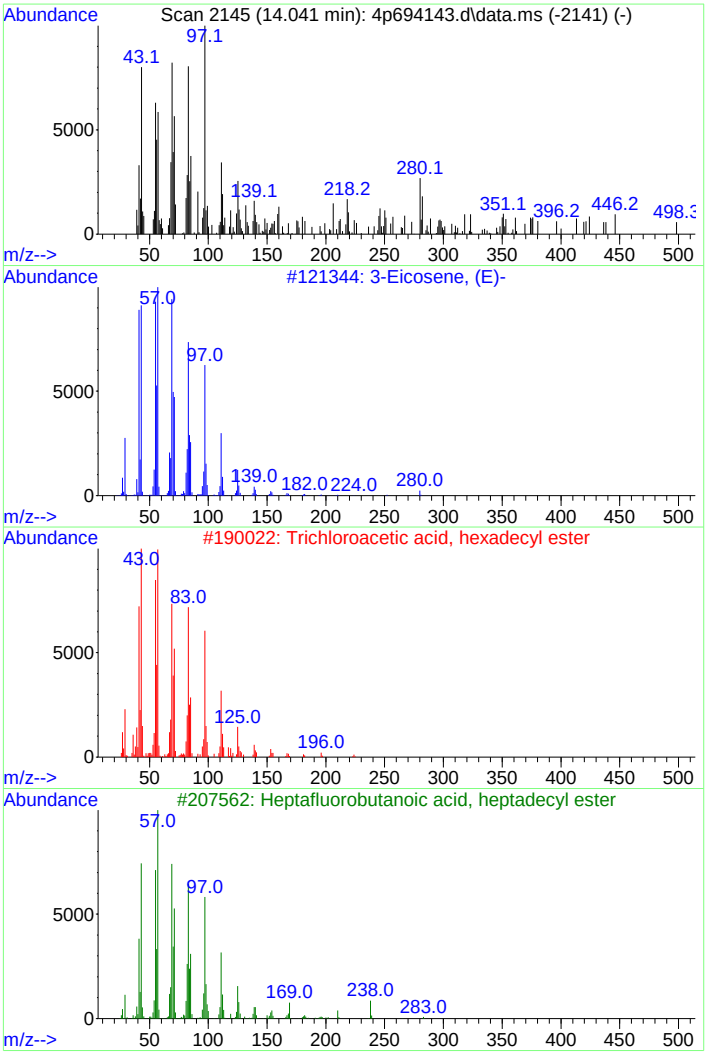

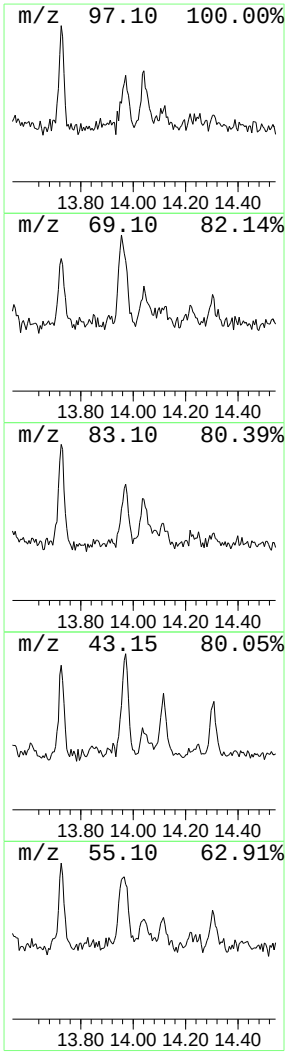

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Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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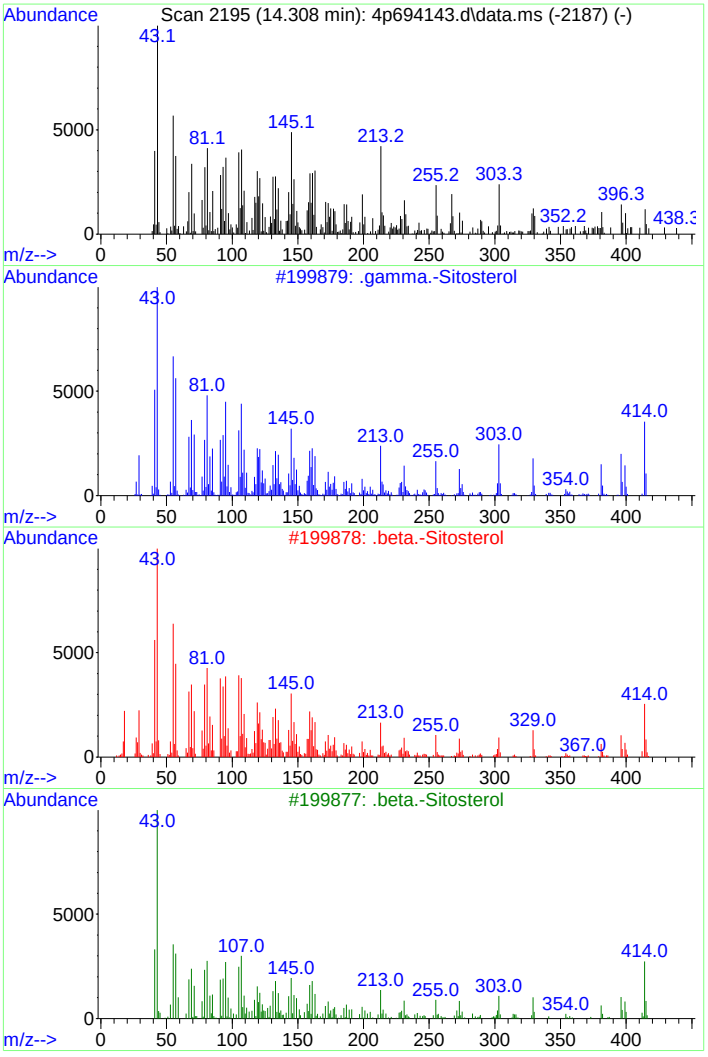
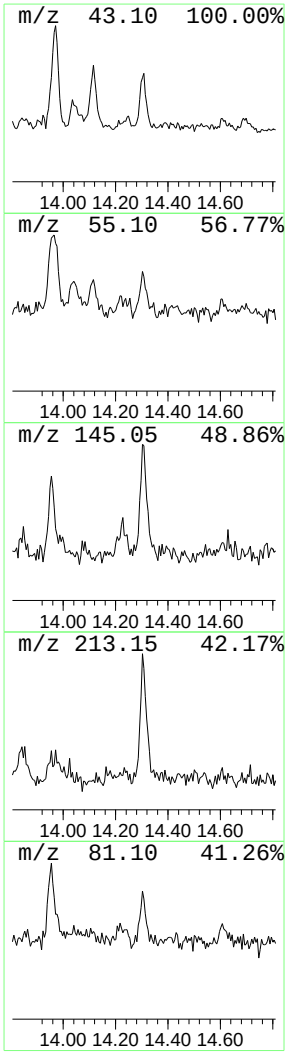
Peak Number 12 Sitosterol Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.308	7.86 ppm	189462	Perylene-d12	12.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.gamma.-Sitosterol	414	C29H50O	000083-47-6	95
2	.beta.-Sitosterol	414	C29H50O	000083-46-5	89
3	.beta.-Sitosterol	414	C29H50O	000083-46-5	55
4	Stigmastan-3,5-diene	396	C29H48	1000214-16-4	49
5	.beta.-Sitosterol acetate	456	C31H52O2	000915-05-9	25





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Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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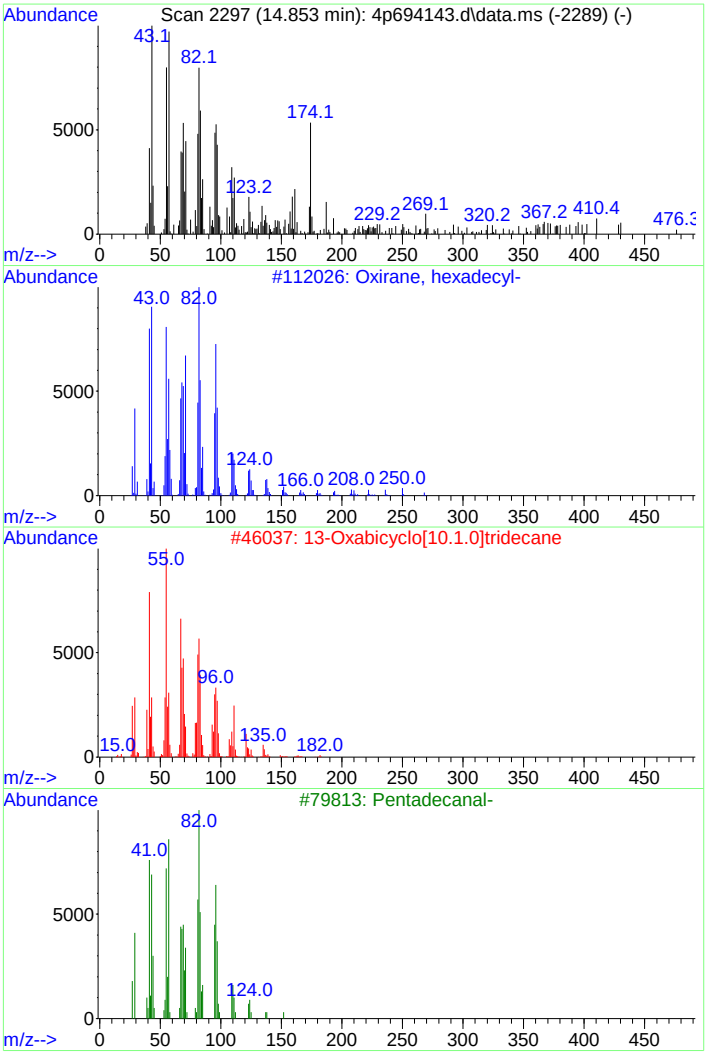
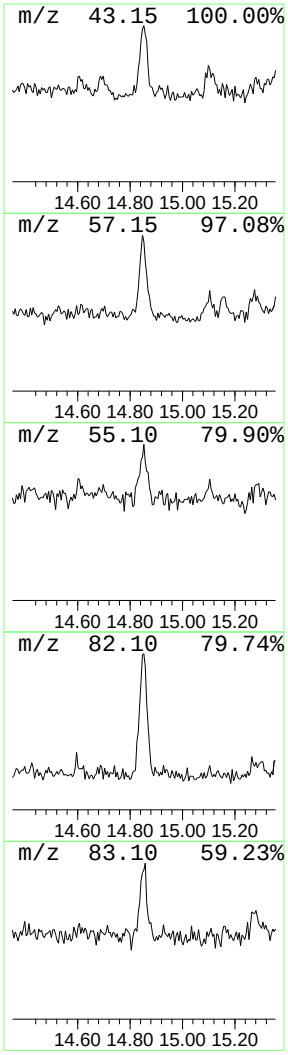
Peak Number 13 Unknown Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.853	6.04 ppm	145688	Perylene-d12	12.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	92
2	13-Oxabicyclo[10.1.0]tridecane	182	C12H22O	000286-99-7	76
3	Pentadecanal-	226	C15H30O	002765-11-9	76
4	Octadecanal	268	C18H36O	000638-66-4	76
5	Z,Z-4,16-Octadecadien-1-ol acetate	308	C20H36O2	1000130-95-7	68





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Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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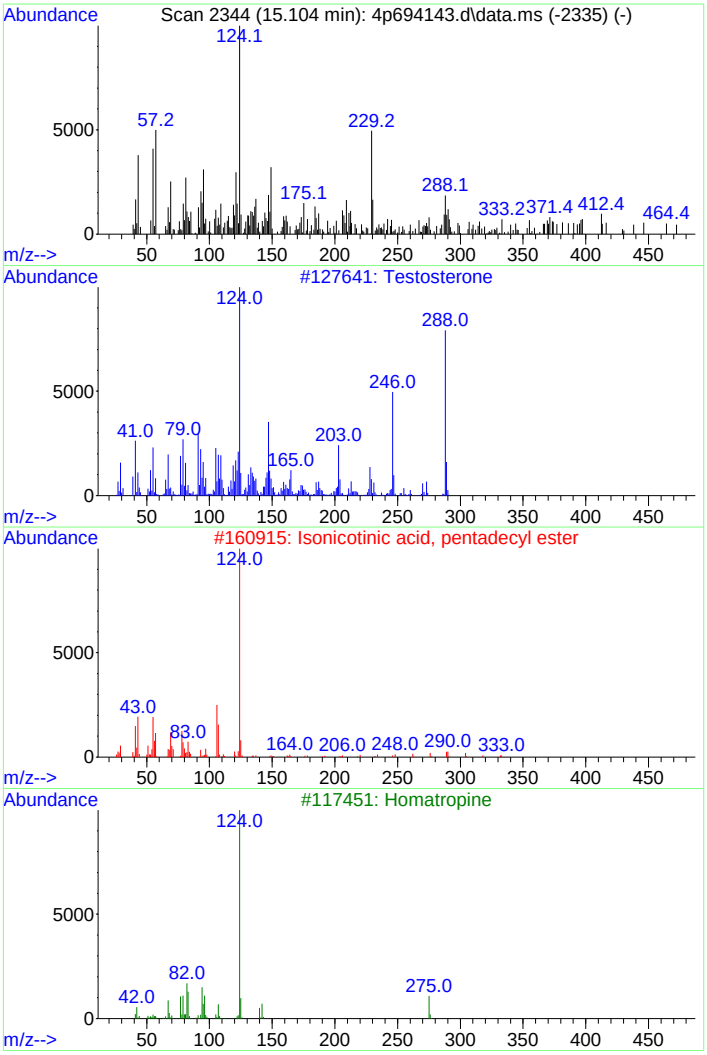
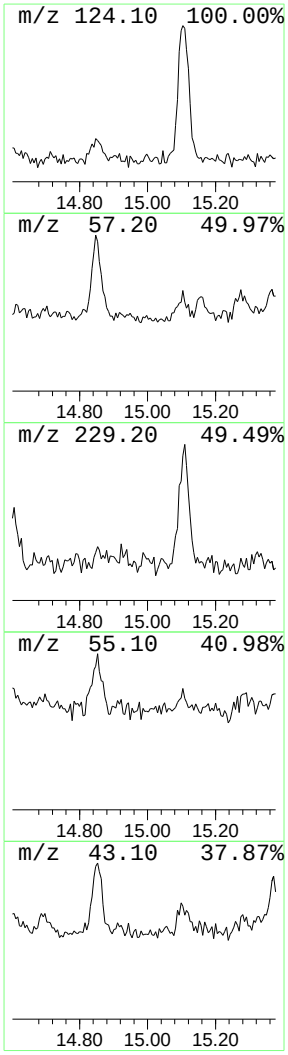
Peak Number 14 Unknown Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.104	4.08 ppm	98458	Perylene-d12	12.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Testosterone	288	C19H28O2	000058-22-0	41
2	Isonicotinic acid, pentadecyl ester	333	C21H35NO2	1000299-89-0	41
3	Homatropine	275	C16H21NO3	000087-00-3	38
4	2,5-Furandicarboxaldehyde	124	C6H4O3	000823-82-5	38
5	Isonicotinic acid, 3-tetradecyl ...	319	C20H33NO2	1000299-89-8	38





Tentatively Identified Compound (LSC) summary

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694143.d
Acq On : 6 Dec 2024 12:42 pm
Operator : kaleigh
Sample : je1536-5
Misc : op59876,e4p3703,30.0,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
n-Hexadecanoic ...	8.554	4.2	ppm	69869	10	7.967	667139	40.0
Unknown	10.852	6.3	ppm	179499	11	10.958	1136360	40.0
Alkene	11.626	8.0	ppm	227096	13	10.958	1136360	40.0
Alkane	12.337	18.8	ppm	454014	14	12.561	964622	40.0
Unknown PAH sub...	12.444	4.4	ppm	106639	14	12.561	964622	40.0
Oxirane, hexade...	12.860	13.3	ppm	321115	14	12.561	964622	40.0
Alkane	13.069	20.8	ppm	502607	14	12.561	964622	40.0
Unknown	13.170	6.9	ppm	166746	14	12.561	964622	40.0
Unknown	13.726	8.3	ppm	199448	14	12.561	964622	40.0
Unknown	13.955	21.7	ppm	522316	14	12.561	964622	40.0
Eicosene	14.041	4.0	ppm	97504	14	12.561	964622	40.0
Sitosterol	14.308	7.9	ppm	189462	14	12.561	964622	40.0
Unknown	14.853	6.0	ppm	145688	14	12.561	964622	40.0
Unknown	15.104	4.1	ppm	98458	14	12.561	964622	40.0

Manual Integrations APPROVED (compounds with "m" flag)
Jacky Takeuchi 12/06/24 23:25

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694144.d
Acq On : 6 Dec 2024 1:06 pm
Operator : kaleigh
Sample : je1536-6 Inst : GCMS4P
Misc : op59876,e4p3703,30.02,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 06 19:04:13 2024
Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Fri Dec 06 18:18:31 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.580	152	73998	40.00	ppm	0.00
24) Naphthalene-d8	5.370	136	279569	40.00	ppm	0.00
46) Acenaphthene-d10	6.610	164	156792	40.00	ppm	0.00
69) Phenanthrene-d10	7.967	188	251021	40.00	ppm	0.00
84) Chrysene-d12	10.964	240	306266	40.00	ppm	0.00
93) Perylene-d12	12.566	264	312026	40.00	ppm	0.00
103) 1,4-Dichlorobenzene-d4a	4.580	152	73998	40.00	ppm	0.00
105) Acenaphthene-d10a	6.610	164	156792	40.00	ppm	0.00
107) Chrysene-d12a	10.964	240	306266	40.00	ppm	0.00
109) Phenanthrene-d10a	7.967	188	251021	40.00	ppm	0.00
111) Naphthalene-d8a	5.370	136	279569	40.00	ppm	0.00
113) Chrysene-d12b	10.964	240	306266	40.00	ppm	0.00
115) Naphthalene-d8b	5.370	136	279569	40.00	ppm	0.00
118) Naphthalene-d8c	5.370	136	279569	40.00	ppm	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.762	112	65590	32.25	ppm	0.00
Spiked Amount 50.000			Recovery =	64.50%		
8) Phenol-d5	4.350	99	80327	30.02	ppm	0.00
Spiked Amount 50.000			Recovery =	60.04%		
25) Nitrobenzene-d5	4.922	82	90281	36.46	ppm	0.00
Spiked Amount 50.000			Recovery =	72.92%		
51) 2-Fluorobiphenyl	6.086	172	210470	39.42	ppm	0.00
Spiked Amount 50.000			Recovery =	78.84%		
74) 2,4,6-Tribromophenol	7.294	330	24129	38.15	ppm	0.00
Spiked Amount 50.000			Recovery =	76.30%		
87) Terphenyl-d14	9.730	244	260336	34.17	ppm	0.00
Spiked Amount 50.000			Recovery =	68.34%		
108) 1-chlorooctadecane	0.000	57	0d	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
110) o-terphenyl	0.000	230	0	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
38) Naphthalene	5.386	128	4571	0.6253	ppm	94
44) 2-Methylnaphthalene	5.835	141	1772	0.4003	ppm	86
53) Biphenyl	6.161	154	1363	0.2290	ppm	93
56) Acenaphthylene	6.498	152	35194	5.5062	ppm	98
59) Acenaphthene	6.636	153	11552	2.3652	ppm	96
62) Dibenzofuran	6.775	168	9650	1.4542	ppm	99
66) Fluorene	7.075	166	20664	3.9060	ppm	98
78) Phenanthrene	7.993	178	160463	22.8383	ppm	99
79) Anthracene	8.047	178	71388	10.3358	ppm	99
80) Carbazole	8.212	167	9294	1.4652	ppm	97
82) Fluoranthene	9.281	202	454035	59.5888	ppm	98
86) Pyrene	9.543	202	445794	41.3693	ppm	99
89) Benzo[a]anthracene	10.948	228	269222	27.0364	ppm	92
91) Chrysene	10.990	228	232457	24.2129	ppm	96
95) Benzo[b]fluoranthene	12.166	252	343546m	35.5694	ppm	
96) Benzo[k]fluoranthene	12.187	252	96416m	10.5280	ppm	
97) Benzo[a]pyrene	12.508	252	239161	29.2891	ppm	97
98) Indeno[1,2,3-cd]pyrene	13.816	276	135782	12.4883	ppm	95
100) Dibenz[a,h]anthracene	13.827	278	34337	3.8941	ppm	95
102) Benzo[g,h,i]perylene	14.169	276	120723	14.6650	ppm	98

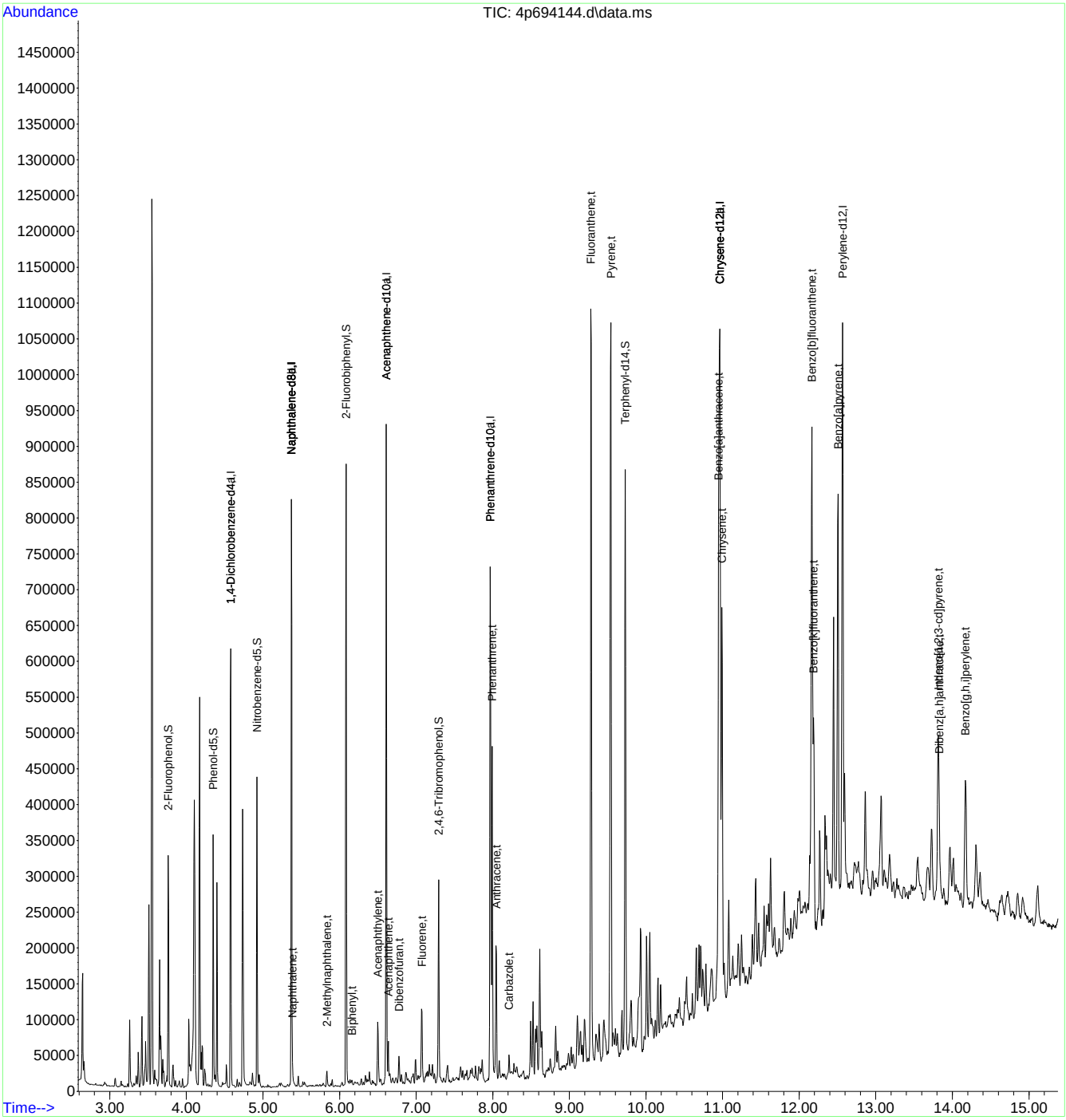
(#) = qualifier out of range (m) = manual integration (+) = signals summed

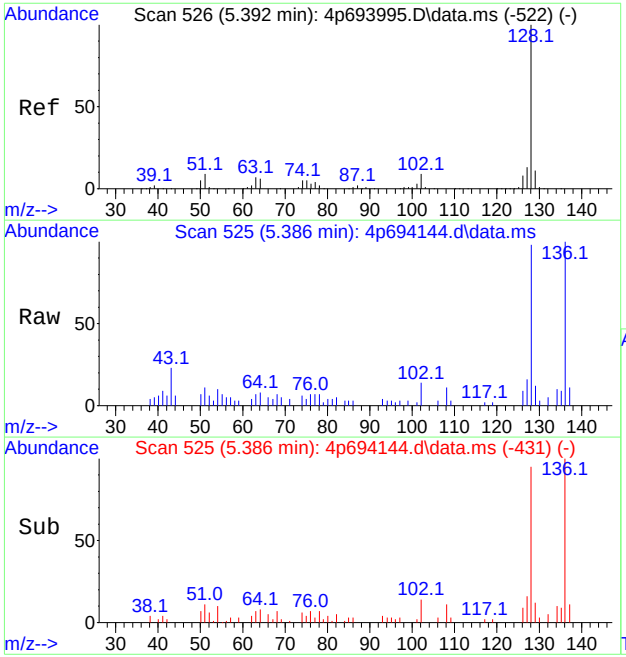
M4P3698.M Fri Dec 06 19:26:32 2024 Page: 1

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694144.d
Acq On : 6 Dec 2024 1:06 pm
Operator : kaleigh
Sample : je1536-6 Inst : GCMS4P
Misc : op59876,e4p3703,30.02,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 06 19:04:13 2024
Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Fri Dec 06 18:18:31 2024
Response via : Initial Calibration

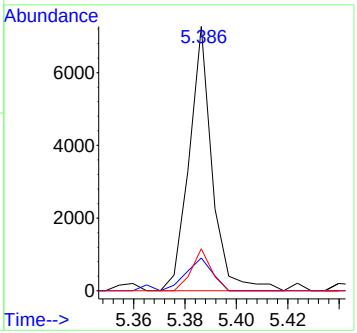


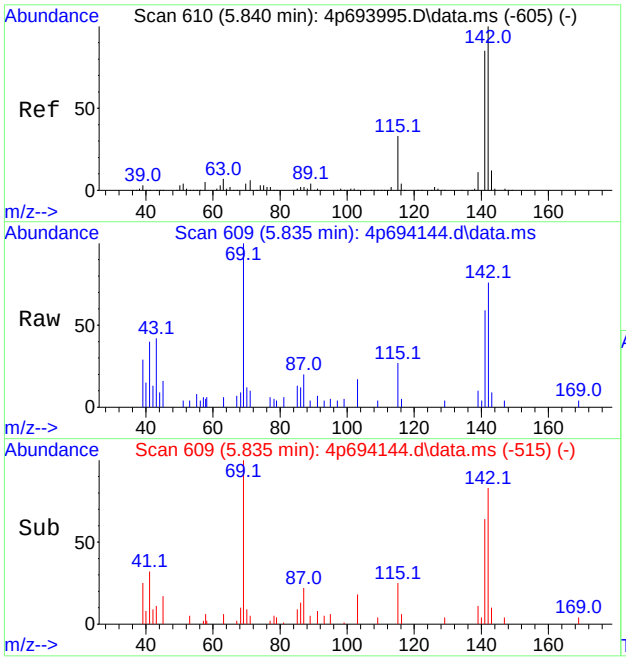


#38
Naphthalene
Concen: 0.6253 ppm
RT: 5.386 min Scan# 525
Delta R.T. -0.000 min
Lab File: 4p694144.d
Acq: 6 Dec 2024 1:06 pm

Tgt Ion:128 Resp: 4571

Ion	Ratio	Lower	Upper
128	100		
129	12.4	0.0	40.8
127	15.9	0.0	42.7

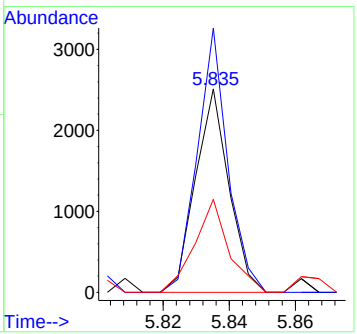


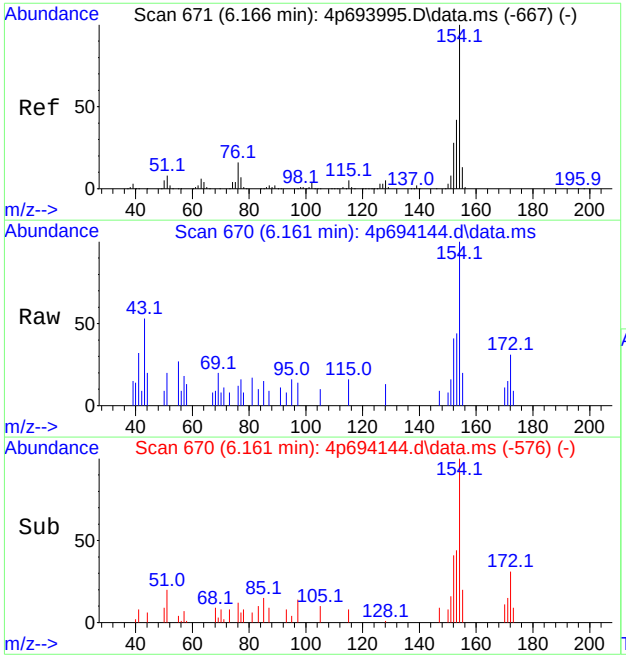


#44
2-Methylnaphthalene
Concen: 0.4003 ppm
RT: 5.835 min Scan# 609
Delta R.T. -0.000 min
Lab File: 4p694144.d
Acq: 6 Dec 2024 1:06 pm

Tgt Ion:141 Resp: 1772

Ion	Ratio	Lower	Upper
141	100		
142	130.0	84.2	144.2
115	45.8	7.8	67.8

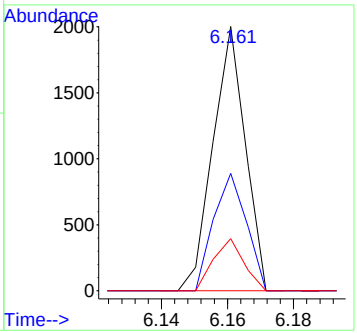


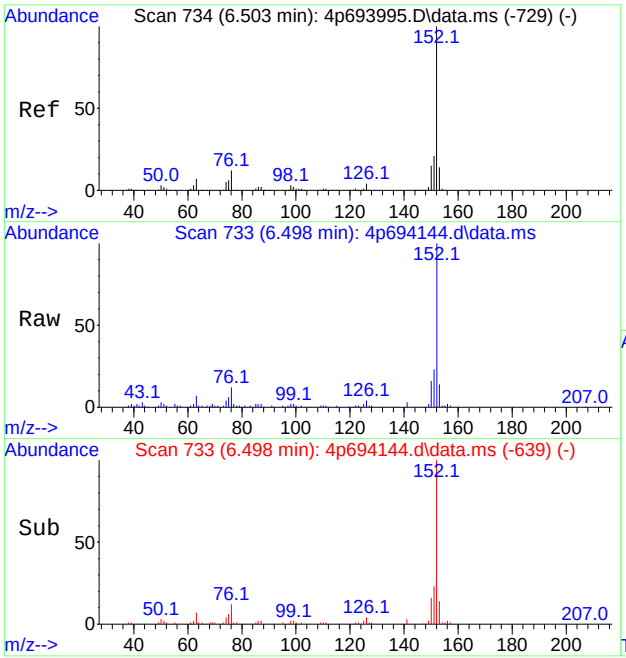


#53
Biphenyl
Concen: 0.2290 ppm
RT: 6.161 min Scan# 670
Delta R.T. -0.000 min
Lab File: 4p694144.d
Acq: 6 Dec 2024 1:06 pm

Tgt Ion:154 Resp: 1363

Ion	Ratio	Lower	Upper
154	100		
153	44.4	11.9	71.9
155	19.7	0.0	43.1

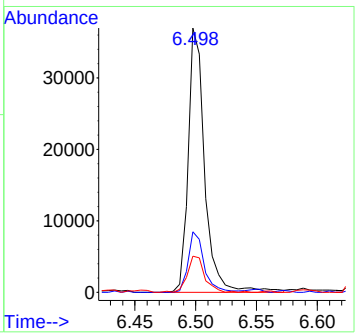


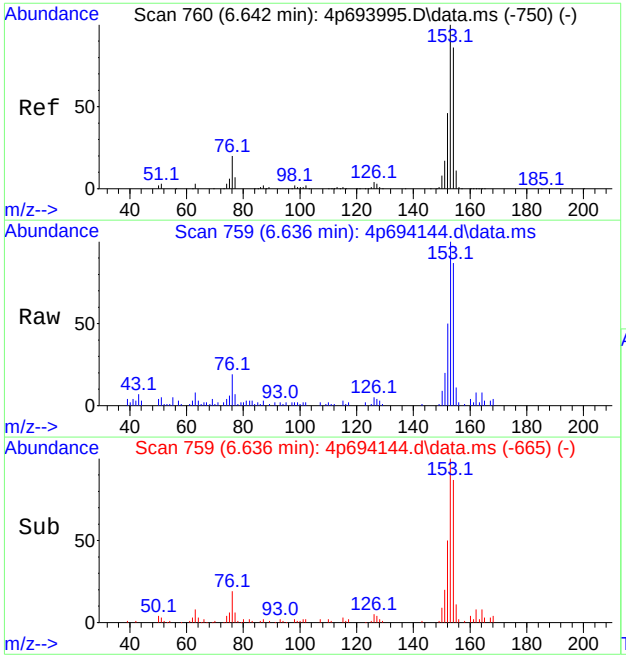


#56
Acenaphthylene
Concen: 5.5062 ppm
RT: 6.498 min Scan# 733
Delta R.T. -0.000 min
Lab File: 4p694144.d
Acq: 6 Dec 2024 1:06 pm

Tgt Ion:152 Resp: 35194

Ion	Ratio	Lower	Upper
152	100		
151	22.7	0.0	51.0
153	13.8	0.0	44.1

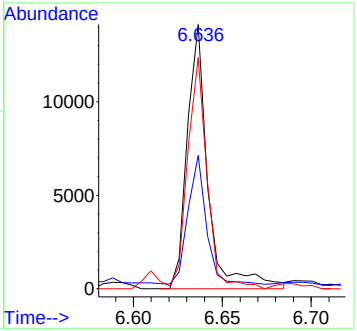


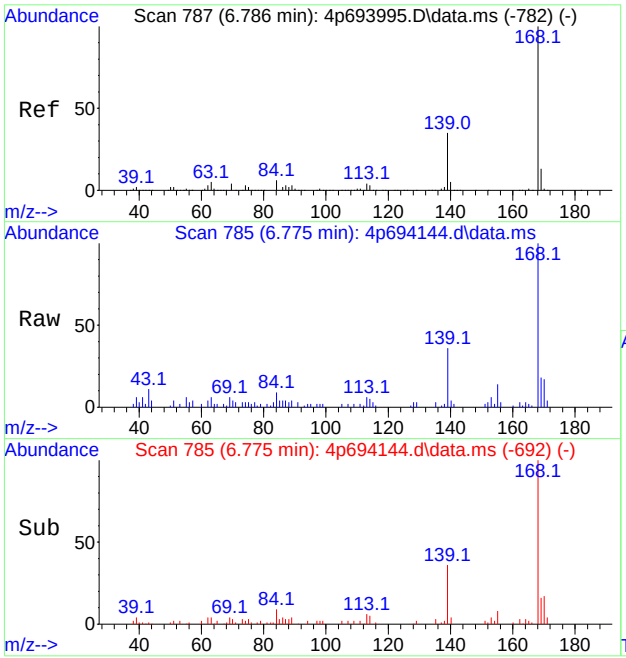


#59
Acenaphthene
Concen: 2.3652 ppm
RT: 6.636 min Scan# 759
Delta R.T. -0.000 min
Lab File: 4p694144.d
Acq: 6 Dec 2024 1:06 pm

Tgt Ion:153 Resp: 11552

Ion	Ratio	Lower	Upper
153	100		
152	48.9	17.0	77.0
154	86.1	51.7	111.7

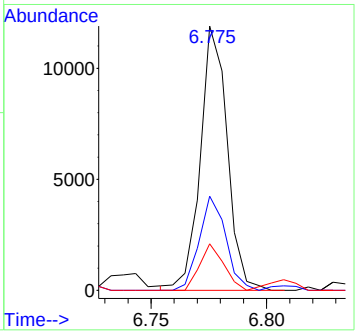


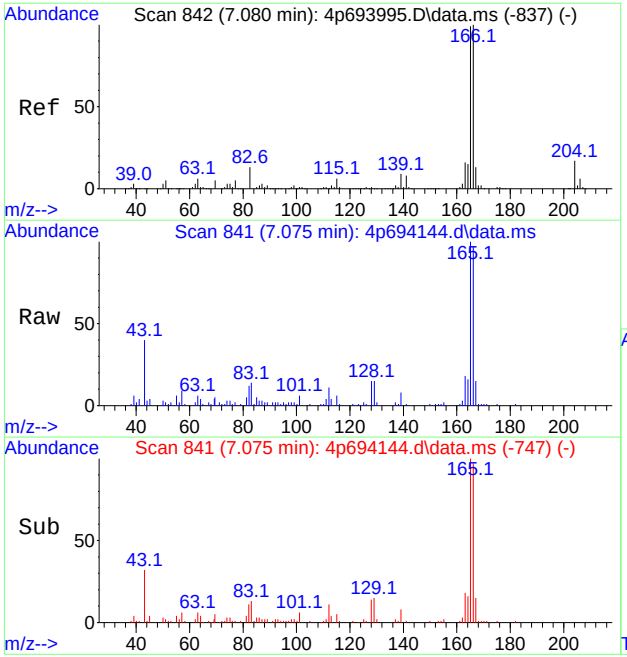


#62
Dibenzofuran
Concen: 1.4542 ppm
RT: 6.775 min Scan# 785
Delta R.T. -0.006 min
Lab File: 4p694144.d
Acq: 6 Dec 2024 1:06 pm

Tgt Ion:168 Resp: 9650

Ion	Ratio	Lower	Upper
168	100		
139	35.1	5.2	65.2
169	15.7	0.0	43.8

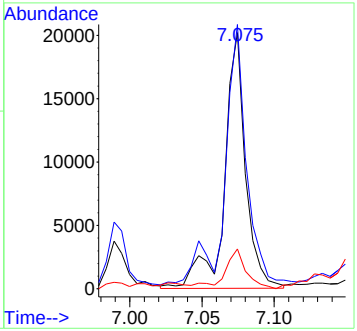


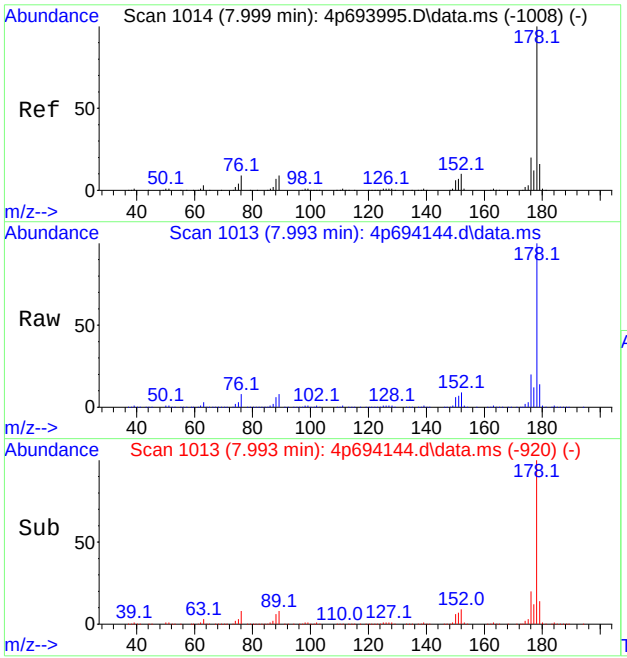


#66
Fluorene
Concen: 3.9060 ppm
RT: 7.075 min Scan# 841
Delta R.T. -0.000 min
Lab File: 4p694144.d
Acq: 6 Dec 2024 1:06 pm

Tgt Ion:166 Resp: 20664

Ion	Ratio	Lower	Upper
166	100		
165	102.0	70.1	130.1
167	14.2	0.0	43.7

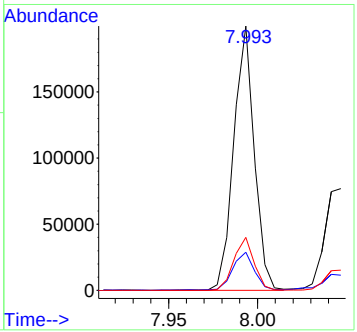


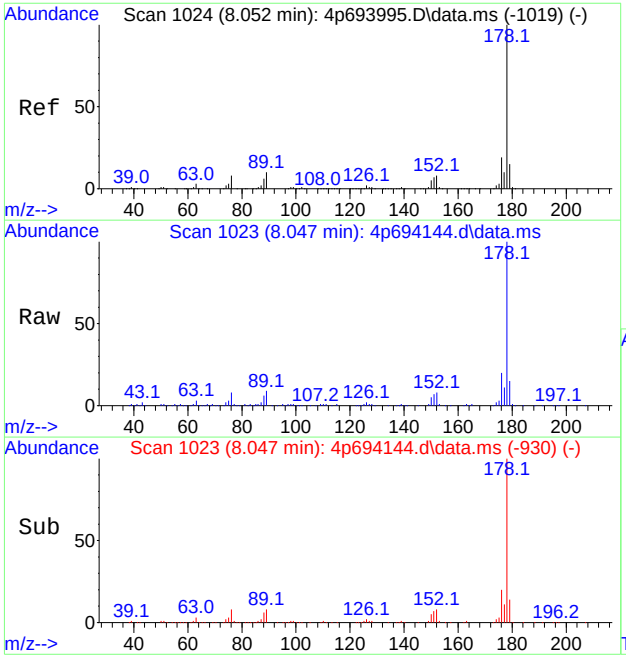


#78
Phenanthrene
Concen: 22.8383 ppm
RT: 7.993 min Scan# 1013
Delta R.T. -0.006 min
Lab File: 4p694144.d
Acq: 6 Dec 2024 1:06 pm

Tgt Ion:178 Resp: 160463

Ion	Ratio	Lower	Upper
178	100		
179	14.3	0.0	45.1
176	20.0	0.0	49.7

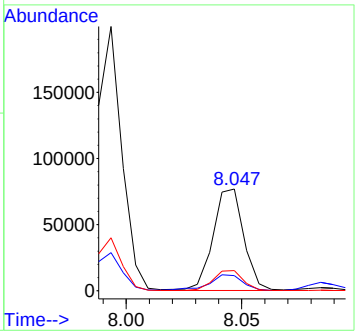


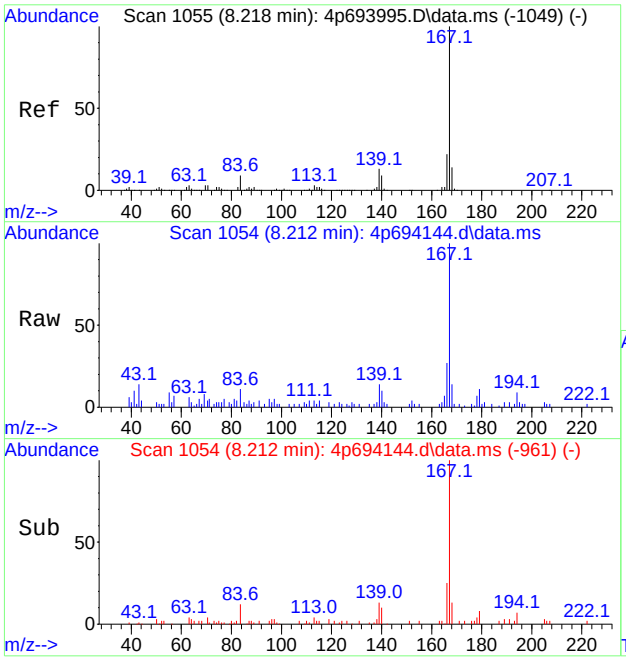


#79
Anthracene
Concen: 10.3358 ppm
RT: 8.047 min Scan# 1023
Delta R.T. -0.006 min
Lab File: 4p694144.d
Acq: 6 Dec 2024 1:06 pm

Tgt Ion:178 Resp: 71388

Ion	Ratio	Lower	Upper
178	100		
179	14.5	0.0	45.3
176	19.8	0.0	49.3

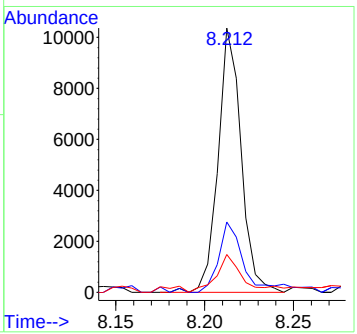


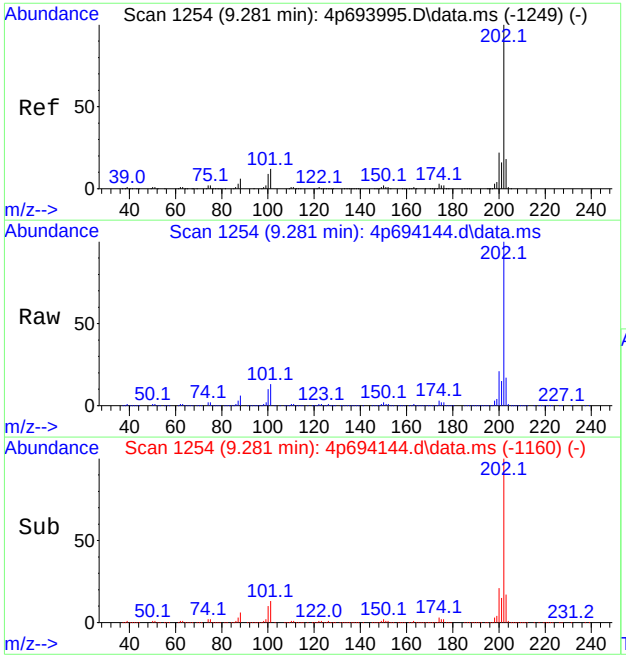


#80
Carbazole
Concen: 1.4652 ppm
RT: 8.212 min Scan# 1054
Delta R.T. -0.006 min
Lab File: 4p694144.d
Acq: 6 Dec 2024 1:06 pm

Tgt Ion:167 Resp: 9294

Ion	Ratio	Lower	Upper
167	100		
166	24.1	0.0	51.7
139	12.4	0.0	42.5

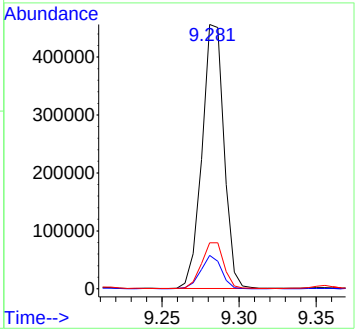


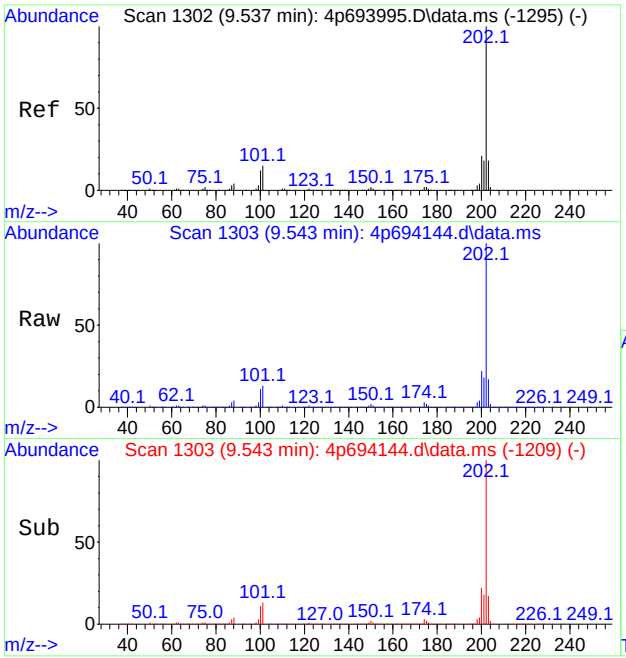


#82
Fluoranthene
Concen: 59.5888 ppm
RT: 9.281 min Scan# 1254
Delta R.T. -0.000 min
Lab File: 4p694144.d
Acq: 6 Dec 2024 1:06 pm

Tgt Ion:202 Resp: 454035

Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	43.3
203	17.3	0.0	48.2

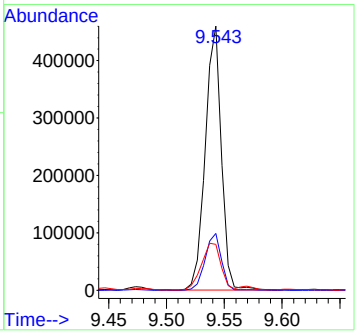


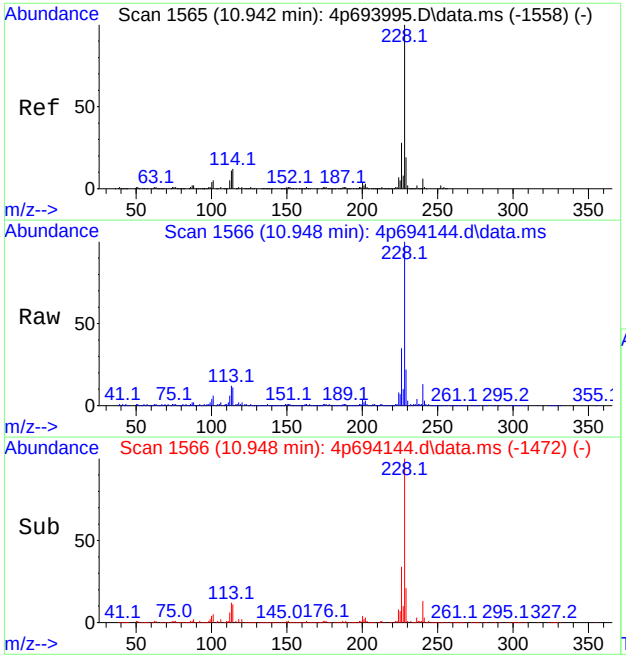


#86
Pyrene
Concen: 41.3693 ppm
RT: 9.543 min Scan# 1303
Delta R.T. -0.000 min
Lab File: 4p694144.d
Acq: 6 Dec 2024 1:06 pm

Tgt Ion:202 Resp: 445794

Ion	Ratio	Lower	Upper
202	100		
200	21.5	0.0	52.1
203	17.1	0.0	47.5

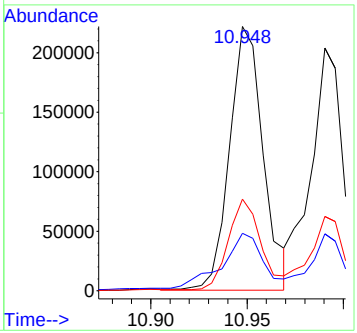


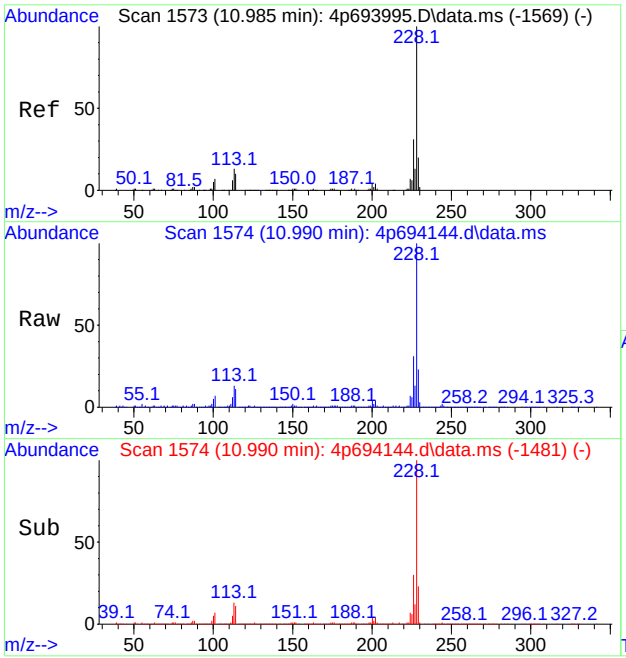


#89
Benzo[a]anthracene
Concen: 27.0364 ppm
RT: 10.948 min Scan# 1566
Delta R.T. -0.000 min
Lab File: 4p694144.d
Acq: 6 Dec 2024 1:06 pm

Tgt Ion:228 Resp: 269222

Ion	Ratio	Lower	Upper
228	100		
229	20.8	0.0	49.7
226	34.5	0.0	58.6

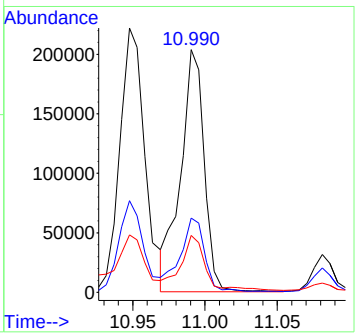


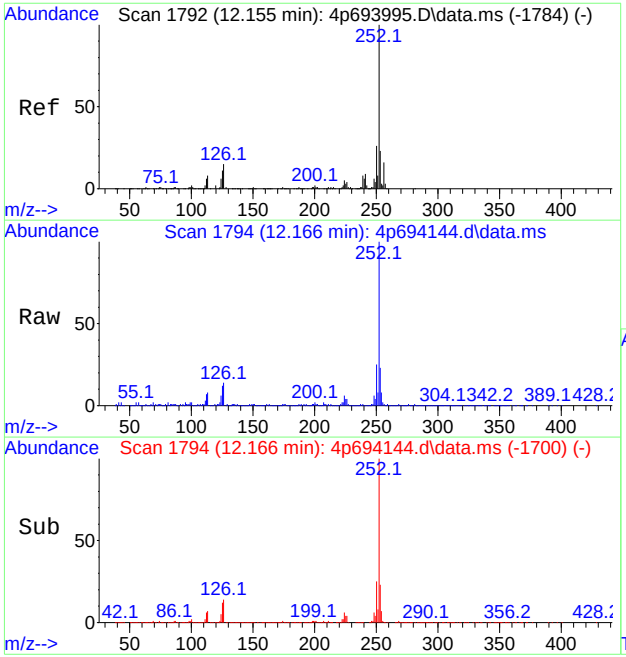


#91
Chrysene
Concen: 24.2129 ppm
RT: 10.990 min Scan# 1574
Delta R.T. -0.006 min
Lab File: 4p694144.d
Acq: 6 Dec 2024 1:06 pm

Tgt Ion:228 Resp: 232457

Ion	Ratio	Lower	Upper
228	100		
226	30.1	1.6	61.6
229	22.6	0.0	50.0

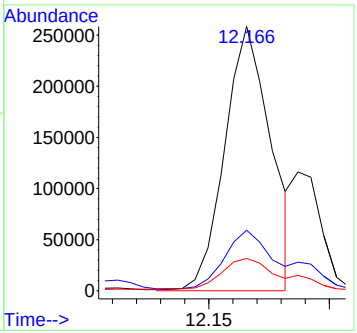


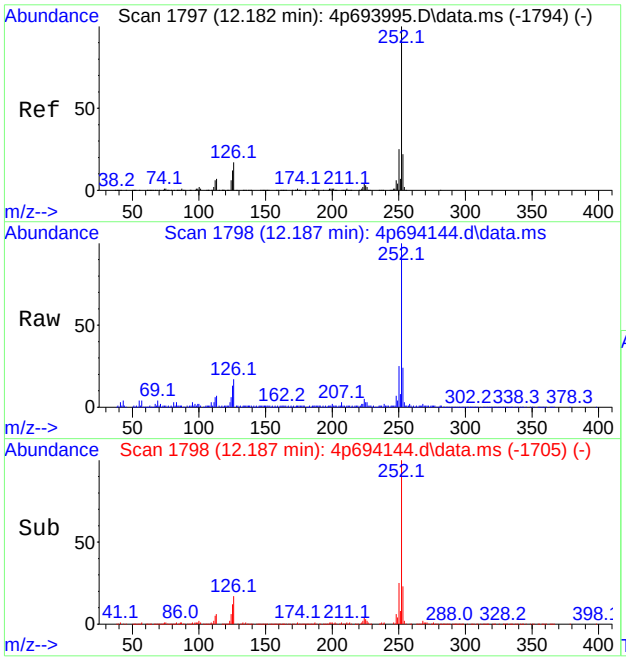


#95
Benzo[b]fluoranthene
Concen: 35.5694 ppm m
RT: 12.166 min Scan# 1794
Delta R.T. -0.000 min
Lab File: 4p694144.d
Acq: 6 Dec 2024 1:06 pm

Tgt Ion:252 Resp: 343546

Ion	Ratio	Lower	Upper
252	100		
253	22.9	0.0	52.2
125	12.2	0.0	41.9

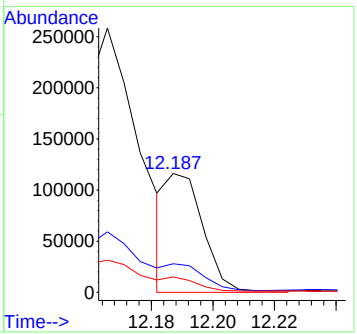


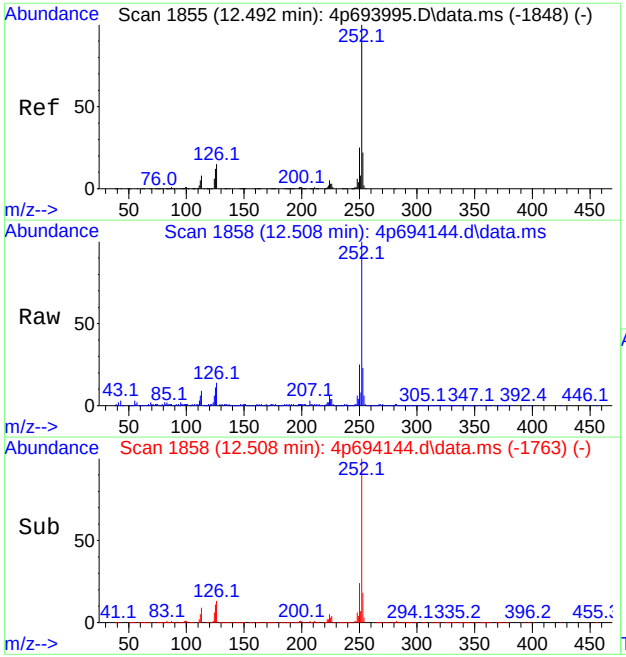


#96
Benzo[k]fluoranthene
Concen: 10.5280 ppm m
RT: 12.187 min Scan# 1798
Delta R.T. -0.006 min
Lab File: 4p694144.d
Acq: 6 Dec 2024 1:06 pm

Tgt Ion:252 Resp: 96416

Ion	Ratio	Lower	Upper
252	100		
253	24.1	0.0	51.9
125	12.9	0.0	41.8

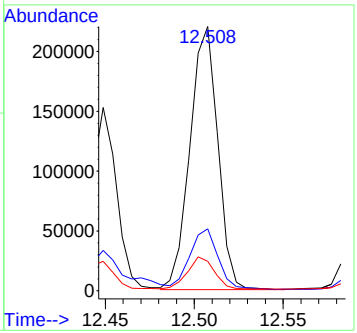


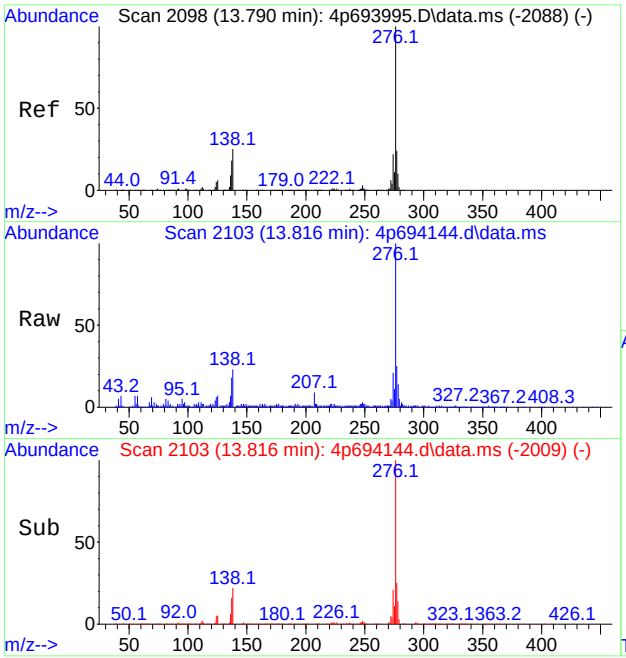


#97
Benzo[a]pyrene
Concen: 29.2891 ppm
RT: 12.508 min Scan# 1858
Delta R.T. 0.005 min
Lab File: 4p694144.d
Acq: 6 Dec 2024 1:06 pm

Tgt Ion:252 Resp: 239161

Ion	Ratio	Lower	Upper
252	100		
253	22.2	0.0	52.0
125	10.5	0.0	43.3

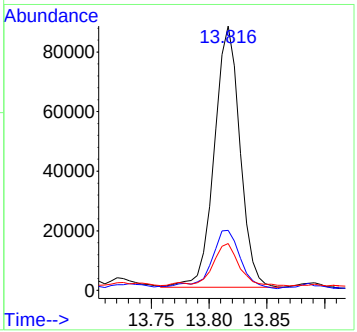


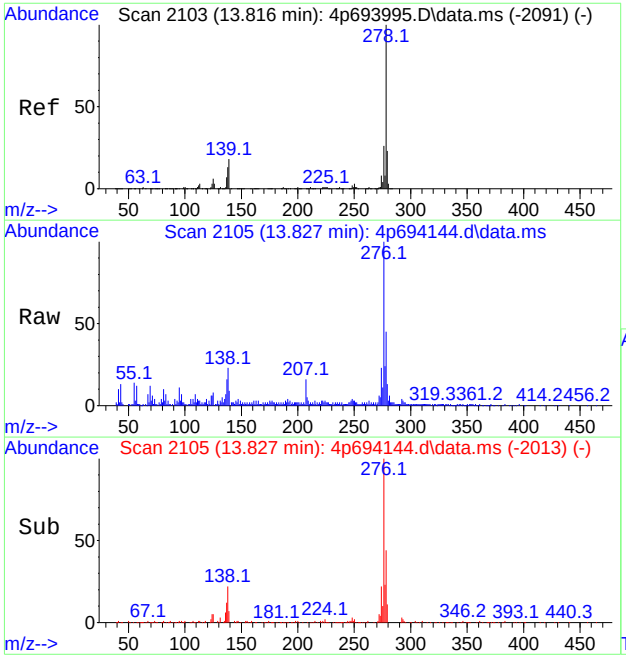


#98
Indeno[1,2,3-cd]pyrene
Concen: 12.4883 ppm
RT: 13.816 min Scan# 2103
Delta R.T. -0.000 min
Lab File: 4p694144.d
Acq: 6 Dec 2024 1:06 pm

Tgt Ion:276 Resp: 135782

Ion	Ratio	Lower	Upper
276	100		
138	21.6	0.0	55.0
137	16.1	0.0	47.6

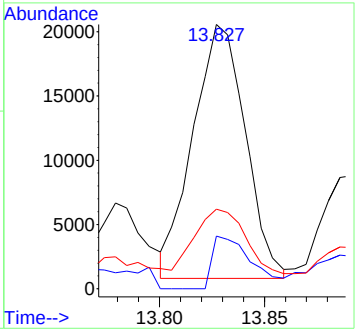


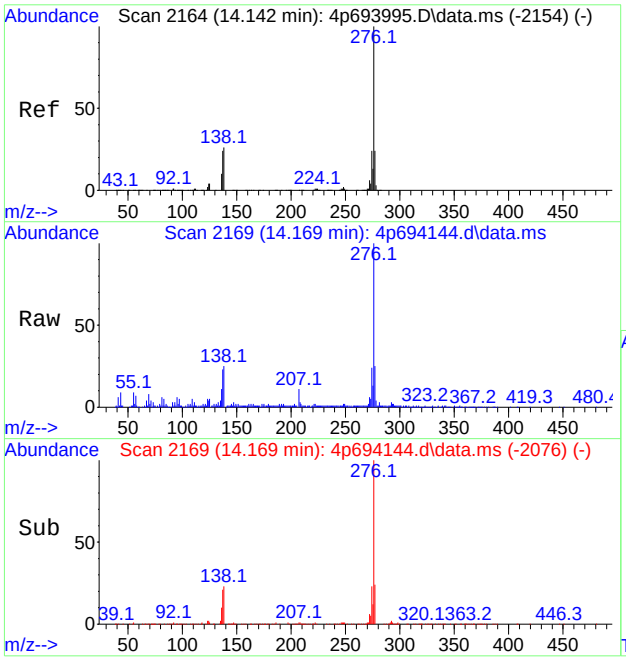


#100
Dibenz[a,h]anthracene
Concen: 3.8941 ppm
RT: 13.827 min Scan# 2105
Delta R.T. -0.011 min
Lab File: 4p694144.d
Acq: 6 Dec 2024 1:06 pm

Tgt Ion:278 Resp: 34337

Ion	Ratio	Lower	Upper
278	100		
139	18.8	0.0	48.0
279	26.3	0.0	52.2

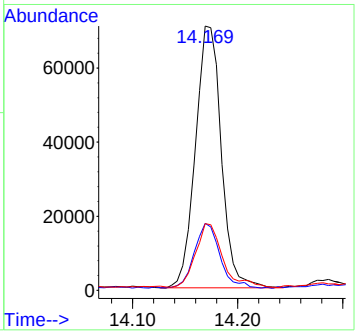




#102
Benzo[g,h,i]perylene
Concen: 14.6650 ppm
RT: 14.169 min Scan# 2169
Delta R.T. -0.006 min
Lab File: 4p694144.d
Acq: 6 Dec 2024 1:06 pm

Tgt Ion:276 Resp: 120723

Ion	Ratio	Lower	Upper
276	100		
138	24.6	0.0	55.7
277	23.8	0.0	53.4



LSC Area Percent Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694144.d
Acq On : 6 Dec 2024 1:06 pm
Operator : kaleigh
Sample : je1536-6
Misc : op59876,e4p3703,30.02,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.02 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 7

Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

Signal : TIC: 4p694144.d\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.370	516	522	533	rBV	819667	583758	33.69%	2.147%
2	6.086	649	656	663	rBV	867923	601941	34.73%	2.214%
3	6.498	728	733	738	rBV	89319	83222	4.80%	0.306%
4	6.610	744	754	757	rBV	922390	664022	38.32%	2.442%
5	7.069	834	840	846	rVB	102150	110270	6.36%	0.406%
6	7.294	875	882	891	rBV2	284004	254607	14.69%	0.936%
7	7.967	996	1008	1011	rBV	719460	668667	38.59%	2.459%
8	7.993	1011	1013	1018	rVB	455789	332900	19.21%	1.224%
9	8.041	1018	1022	1026	rVB	185716	174813	10.09%	0.643%
10	8.496	1101	1107	1110	rBV	80882	87261	5.04%	0.321%
11	8.528	1110	1113	1116	rVB	101358	91163	5.26%	0.335%
12	8.560	1116	1119	1120	rBV	63284	57971	3.35%	0.213%
13	8.613	1125	1129	1141	rVB	179277	251841	14.53%	0.926%
14	8.821	1160	1168	1171	rBV	66275	74784	4.32%	0.275%
15	9.105	1215	1221	1224	rBV	74640	93204	5.38%	0.343%
16	9.195	1235	1238	1245	rBV3	59544	79015	4.56%	0.291%
17	9.281	1249	1254	1262	rBV	1050034	1047584	60.45%	3.853%
18	9.350	1262	1267	1272	rBV5	36746	66379	3.83%	0.244%
19	9.452	1279	1286	1293	rBV4	57912	120777	6.97%	0.444%
20	9.543	1293	1303	1307	rBV	1021652	1148626	66.28%	4.225%
21	9.687	1323	1330	1333	rBV	65242	73278	4.23%	0.270%
22	9.730	1333	1338	1345	rVB	810605	769945	44.43%	2.832%
23	9.804	1345	1352	1356	rBV3	69895	117773	6.80%	0.433%
24	9.927	1363	1375	1380	rVB	172907	320200	18.48%	1.178%
25	10.007	1386	1390	1394	rBV	144108	134228	7.75%	0.494%
26	10.050	1394	1398	1408	rVB2	148059	188533	10.88%	0.693%
27	10.157	1414	1418	1421	rBV	81766	81216	4.69%	0.299%
28	10.194	1421	1425	1429	rBV	67524	74372	4.29%	0.274%
29	10.531	1479	1488	1494	rBV2	68382	140442	8.10%	0.517%
30	10.659	1505	1512	1515	rBV2	99257	129051	7.45%	0.475%
31	10.691	1515	1518	1520	rBV	78827	68372	3.95%	0.251%
32	10.713	1520	1522	1525	rVB	70801	58222	3.36%	0.214%
33	10.782	1532	1535	1539	rVB	66528	72163	4.16%	0.265%
34	10.857	1539	1549	1554	rBV4	59701	140547	8.11%	0.517%
35	10.964	1554	1569	1572	rBV2	938763	1732966	100.00%	6.374%
36	10.990	1572	1574	1578	rVV	515343	462872	26.71%	1.703%
37	11.081	1585	1591	1594	rBV2	136920	150370	8.68%	0.553%
38	11.135	1594	1601	1605	rBV3	41960	61550	3.55%	0.226%
39	11.204	1610	1614	1618	rVB3	58479	69335	4.00%	0.255%
40	11.247	1618	1622	1625	rBV2	70910	75083	4.33%	0.276%

LSC Area Percent Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694144.d
Acq On : 6 Dec 2024 1:06 pm
Operator : kaleigh
Sample : je1536-6
Misc : op59876,e4p3703,30.02,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.02 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 7

Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

41	11.391	1645	1649	1651	rBV2	62593	71819	4.14%	0.264%
42	11.434	1651	1657	1661	rVV	126015	166208	9.59%	0.611%
43	11.471	1661	1664	1669	rVV	62696	68313	3.94%	0.251%
44	11.541	1669	1677	1680	rVV2	85071	118502	6.84%	0.436%
45	11.573	1680	1683	1686	rVV4	71391	105110	6.07%	0.387%
46	11.599	1686	1688	1690	rVV2	86591	84143	4.86%	0.309%
47	11.626	1690	1693	1698	rVV3	149183	204137	11.78%	0.751%
48	11.680	1700	1703	1709	rVV	50953	82474	4.76%	0.303%
49	11.738	1709	1714	1718	rVV3	34536	61007	3.52%	0.224%
50	11.808	1718	1727	1732	rVV4	98092	203550	11.75%	0.749%
51	11.845	1732	1734	1739	rVV6	45837	89698	5.18%	0.330%
52	11.888	1739	1742	1746	rVV5	58544	96163	5.55%	0.354%
53	11.936	1746	1751	1757	rVV4	67968	176281	10.17%	0.648%
54	12.005	1757	1764	1768	rVV4	93953	270757	15.62%	0.996%
55	12.053	1771	1773	1775	rVV3	72062	89558	5.17%	0.329%
56	12.075	1775	1777	1780	rVV4	76262	112450	6.49%	0.414%
57	12.112	1780	1784	1786	rVV	73547	130927	7.56%	0.482%
58	12.166	1786	1794	1803	rVV	736794	1487025	85.81%	5.470%
59	12.267	1805	1813	1818	rVV2	170955	332339	19.18%	1.222%
60	12.310	1818	1821	1822	rVV2	59853	67509	3.90%	0.248%
61	12.337	1822	1826	1837	rVV3	189677	585949	33.81%	2.155%
62	12.406	1837	1839	1842	rVV4	107194	156304	9.02%	0.575%
63	12.449	1842	1847	1853	rVV	464237	674733	38.94%	2.482%
64	12.508	1853	1858	1862	rVV	634557	828145	47.79%	3.046%
65	12.566	1862	1869	1883	rVV2	871060	1592408	91.89%	5.857%
66	12.652	1883	1885	1886	rVV2	88189	82385	4.75%	0.303%
67	12.684	1886	1891	1894	rVV6	90273	221516	12.78%	0.815%
68	12.721	1894	1898	1903	rVV6	114926	304342	17.56%	1.119%
69	12.775	1903	1908	1916	rVV4	114492	389515	22.48%	1.433%
70	12.860	1916	1924	1937	rVV6	209510	697726	40.26%	2.566%
71	12.956	1937	1942	1946	rVV3	96648	235536	13.59%	0.866%
72	13.004	1946	1951	1955	rVV7	85858	228843	13.21%	0.842%
73	13.069	1955	1963	1968	rVV4	198672	507928	29.31%	1.868%
74	13.111	1968	1971	1979	rVV9	93900	289518	16.71%	1.065%
75	13.181	1979	1984	1990	rVV6	113929	308804	17.82%	1.136%
76	13.234	1990	1994	1997	rVV6	74360	148048	8.54%	0.545%
77	13.277	1997	2002	2004	rVV3	78229	149593	8.63%	0.550%
78	13.298	2004	2006	2015	rVV10	67626	203692	11.75%	0.749%
79	13.362	2015	2018	2023	rVV6	63905	152229	8.78%	0.560%
80	13.405	2023	2026	2028	rVV4	55859	83531	4.82%	0.307%
81	13.437	2030	2032	2034	rVV3	56541	69862	4.03%	0.257%
82	13.464	2034	2037	2040	rVV4	64535	112836	6.51%	0.415%
83	13.485	2040	2041	2044	rVV3	62146	75614	4.36%	0.278%
84	13.549	2047	2053	2068	rVV3	99602	431847	24.92%	1.588%
85	13.678	2068	2077	2082	rVV5	83342	282532	16.30%	1.039%

LSC Area Percent Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694144.d
Acq On : 6 Dec 2024 1:06 pm
Operator : kaleigh
Sample : je1536-6
Misc : op59876,e4p3703,30.02,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.02 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 7

Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

86	13.726	2082	2086	2093	rVV4	135035	283453	16.36%	1.043%
87	13.816	2093	2103	2113	rVV2	263517	631933	36.47%	2.324%
88	13.886	2113	2116	2120	rVV	48690	85113	4.91%	0.313%
89	13.971	2125	2132	2136	rVV3	103681	234673	13.54%	0.863%
90	14.014	2136	2140	2144	rVV2	87298	163637	9.44%	0.602%
91	14.046	2144	2146	2156	rVV9	48917	153139	8.84%	0.563%
92	14.110	2156	2158	2163	rVV6	36000	60780	3.51%	0.224%
93	14.169	2163	2169	2180	rVV	190845	381709	22.03%	1.404%
94	14.308	2186	2195	2201	rVV	98039	224860	12.98%	0.827%
95	14.361	2201	2205	2219	rVV2	57363	141967	8.19%	0.522%
96	14.644	2254	2258	2265	rVV10	36213	82094	4.74%	0.302%
97	14.725	2265	2273	2280	rVV10	40945	121925	7.04%	0.448%
98	14.853	2291	2297	2304	rVV8	37344	72924	4.21%	0.268%
99	14.917	2304	2309	2320	rVB8	31140	71936	4.15%	0.265%
100	15.115	2336	2346	2354	rVV8	57308	132413	7.64%	0.487%

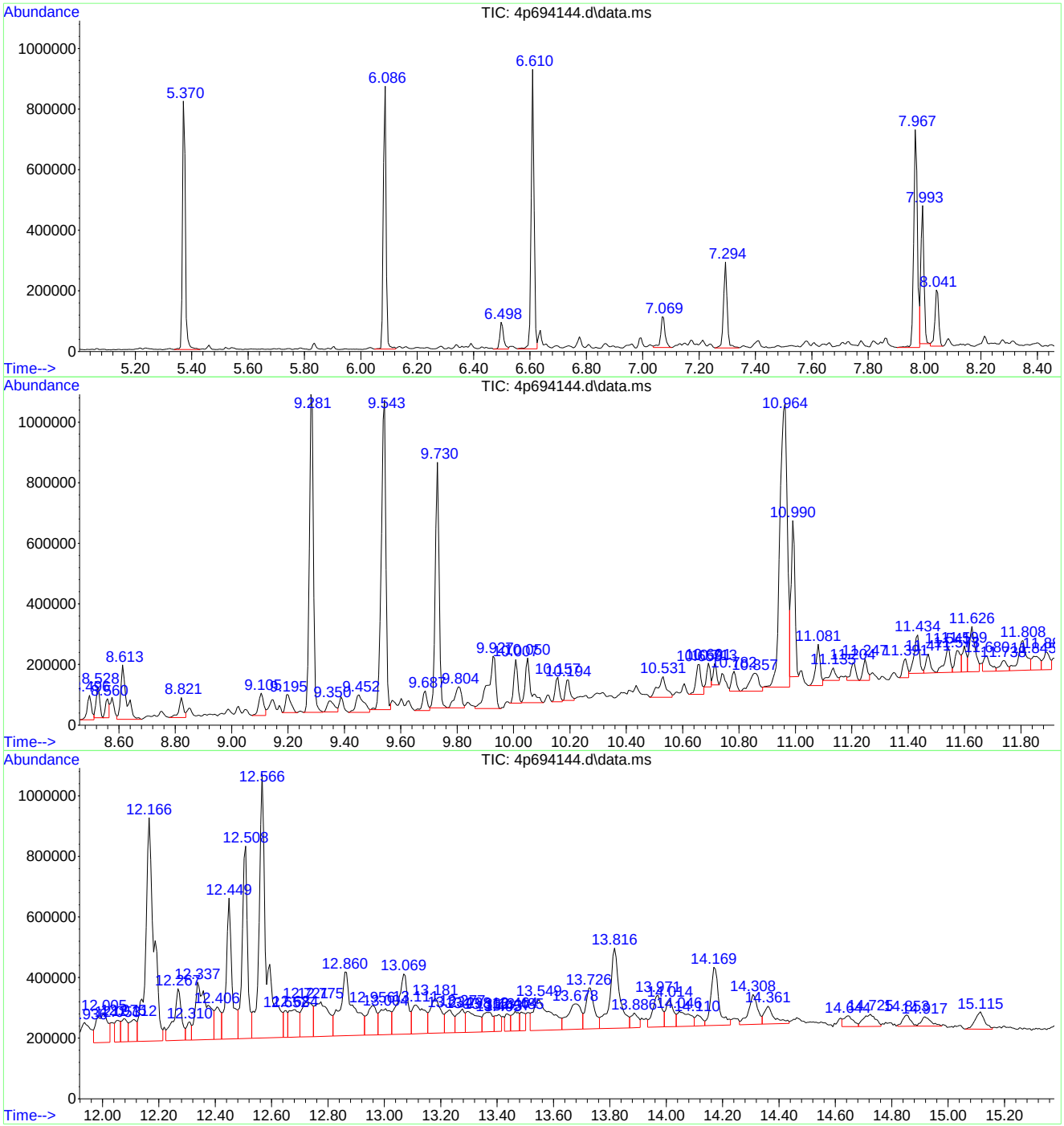
Sum of corrected areas: 27187285

LSC Report - Integrated Chromatogram

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694144.d
Acq On : 6 Dec 2024 1:06 pm
Operator : kaleigh
Sample : je1536-6
Misc : op59876,e4p3703,30.02,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P



Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694144.d
Acq On : 6 Dec 2024 1:06 pm
Operator : kaleigh
Sample : je1536-6
Misc : op59876,e4p3703,30.02,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

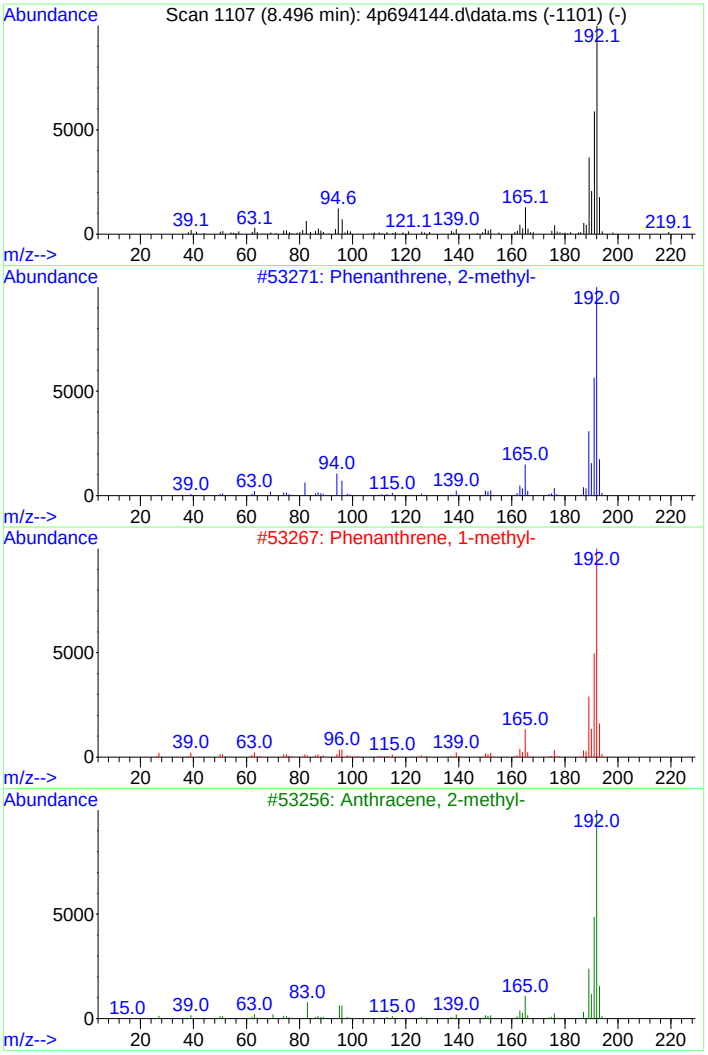
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

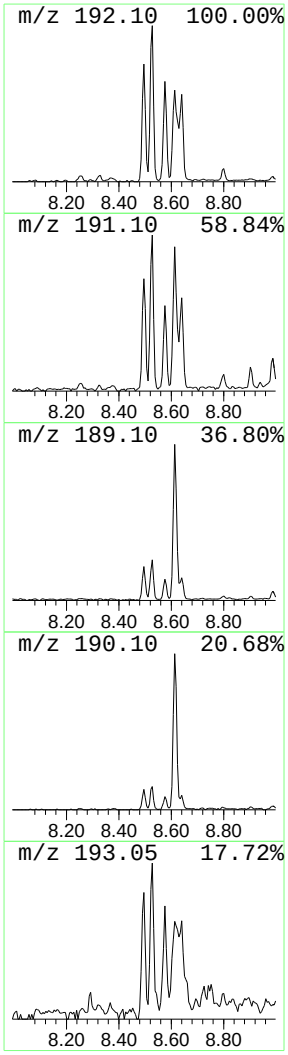
****

Peak Number 1 Phenanthrene, methyl Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.496	5.22 ppm	87261	Phenanthrene-d10a	7.967

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	92





Library Search Compound Report

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Acq On : 6 Dec 2024 1:06 pm
Operator : kaleigh
Sample : je1536-6
Misc : op59876,e4p3703,30.02,,,1,1
ALS Vial : 11 Sample Multiplier: 1

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Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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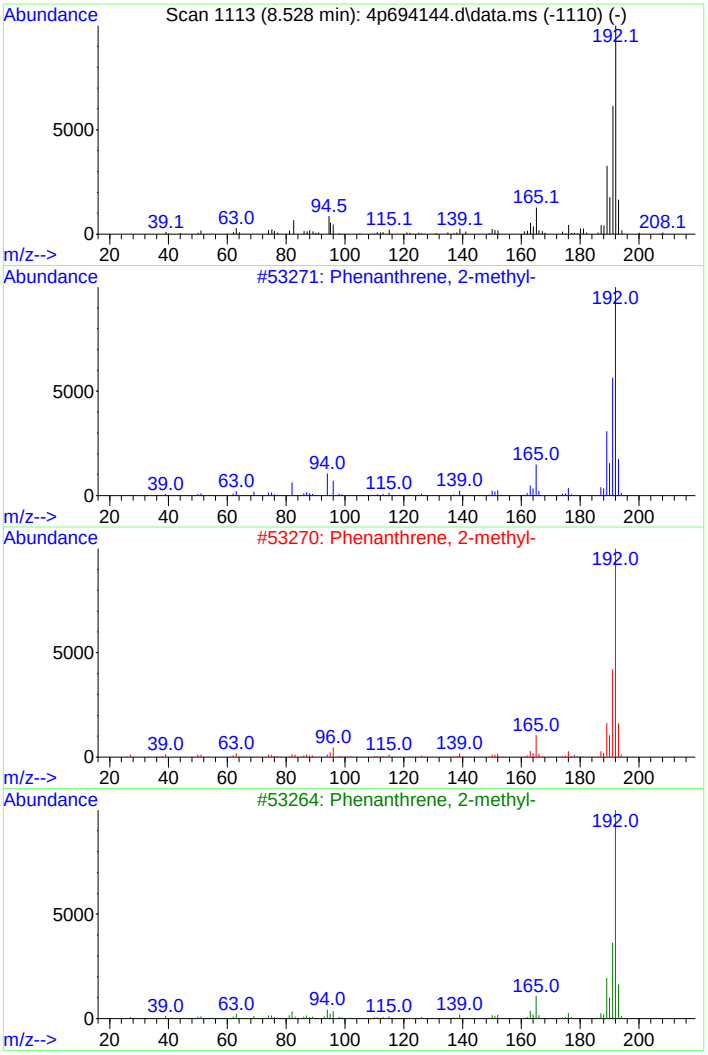
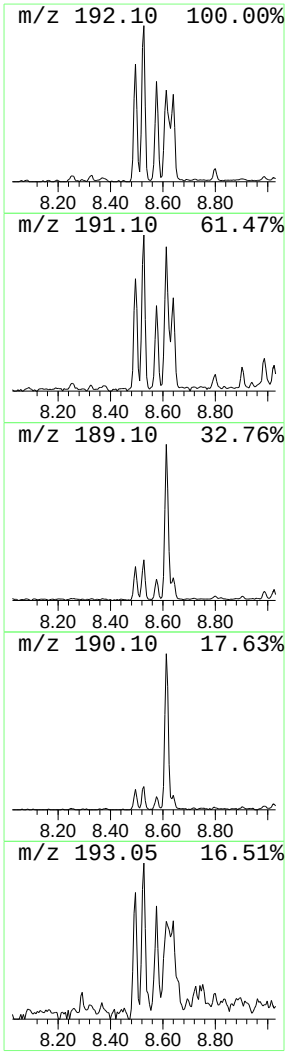
Peak Number 2 Phenanthrene, methyl Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.528	5.45 ppm	91163	Phenanthrene-d10a	7.967

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94





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Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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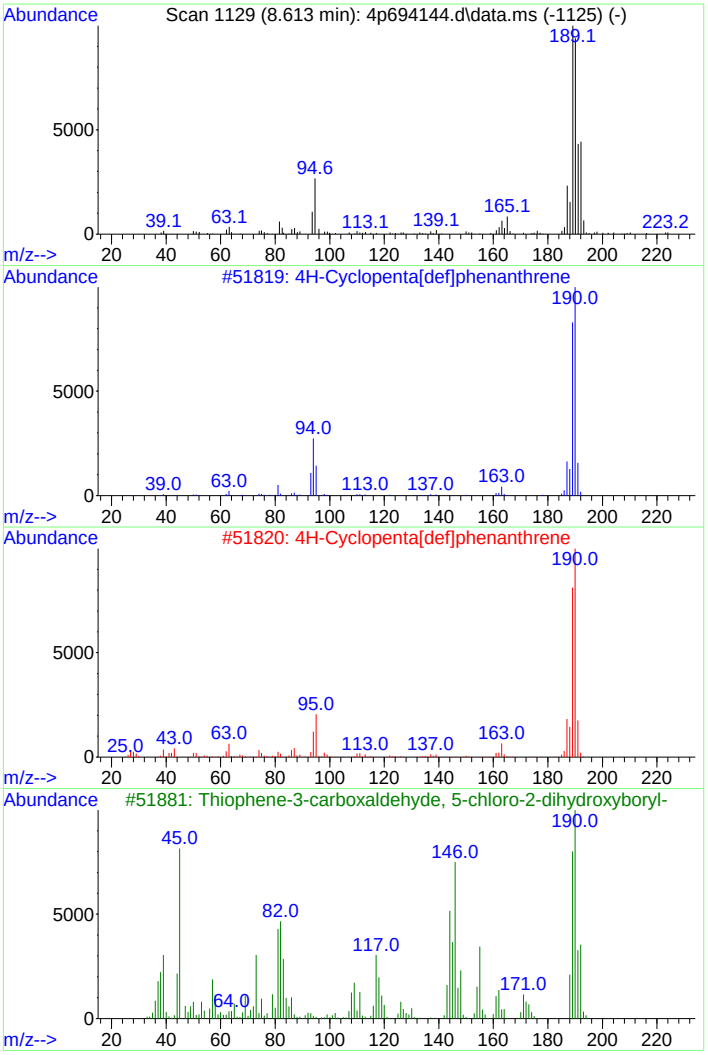
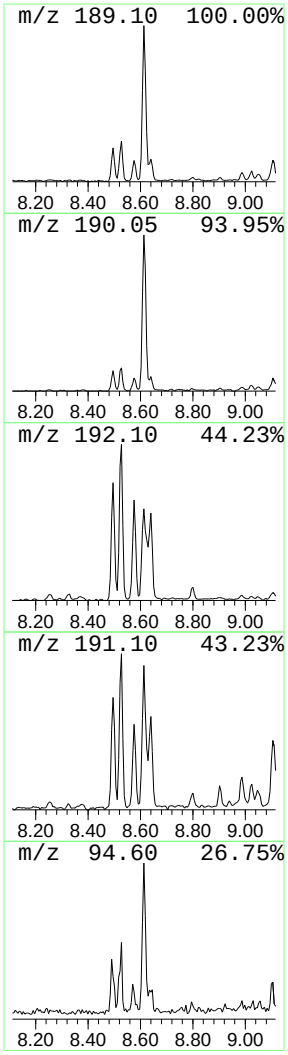
Peak Number 3 Unknown Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.613	15.07 ppm	251841	Phenanthrene-d10a	7.967

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
5	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50





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Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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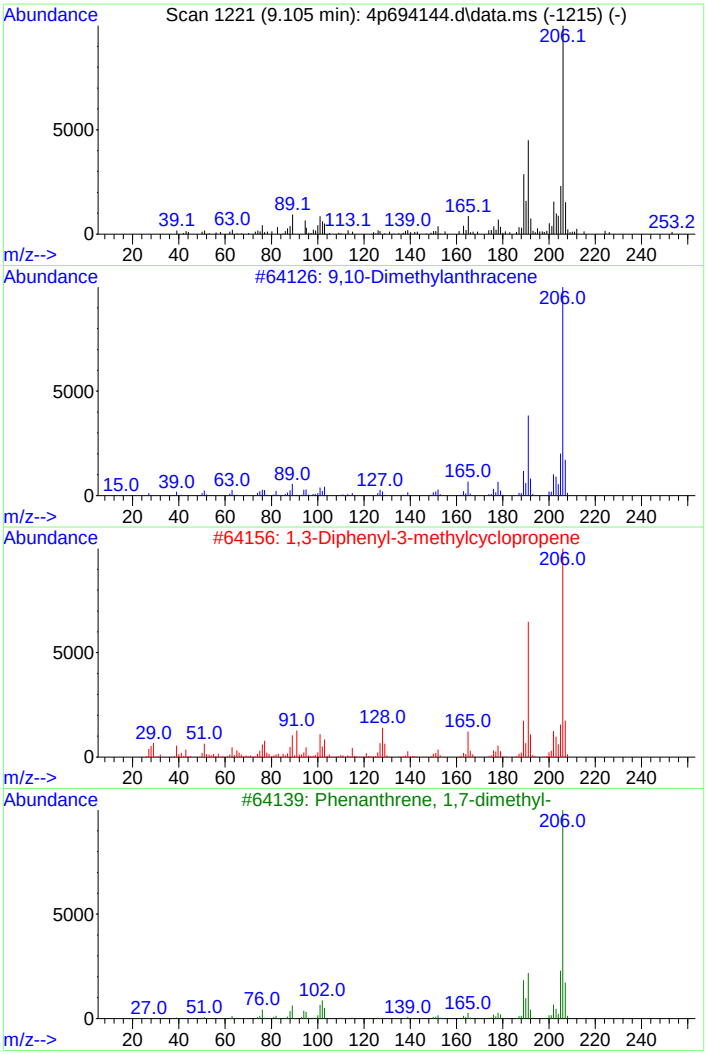
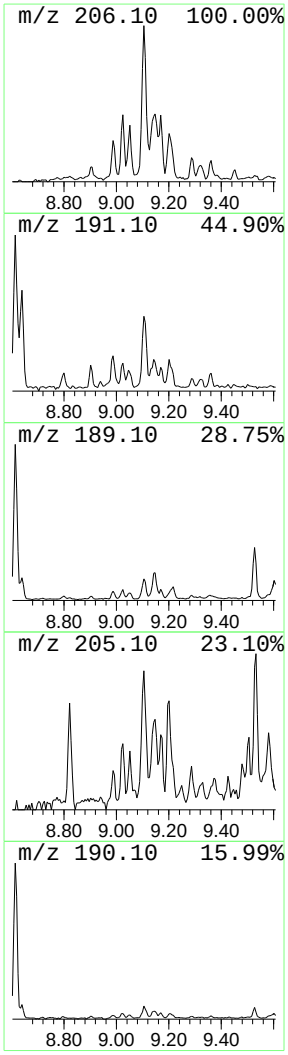
Peak Number 4 Phenanthrene,dimethyl Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.105	5.58 ppm	93204	Phenanthrene-d10a	7.967

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
2	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	94
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





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ALS Vial : 11 Sample Multiplier: 1

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Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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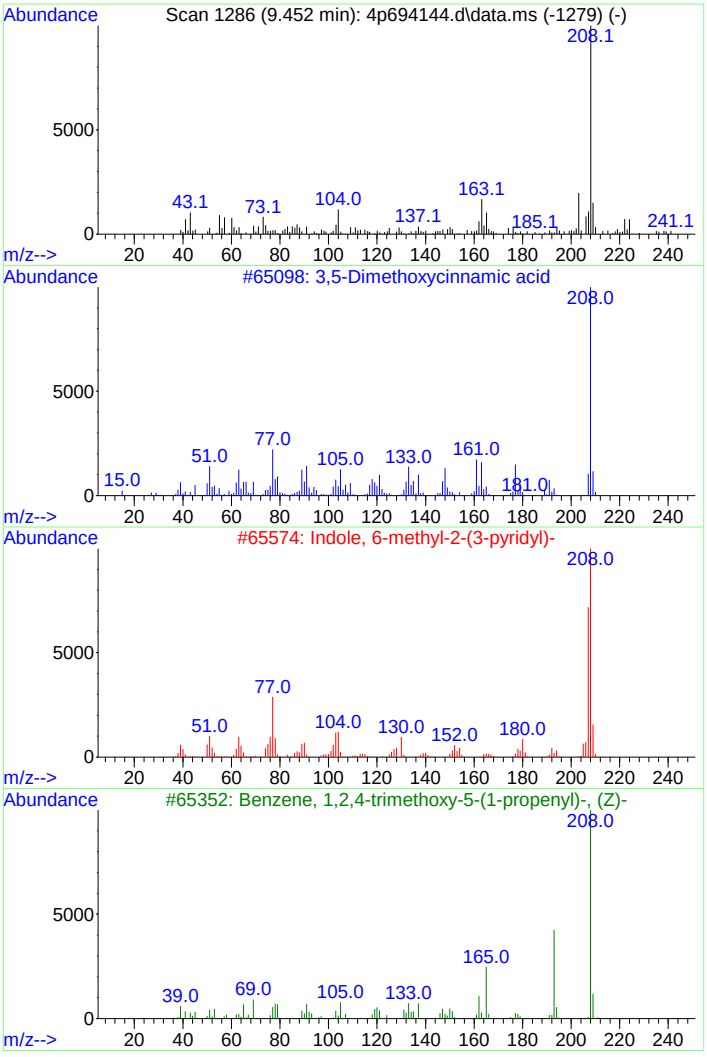
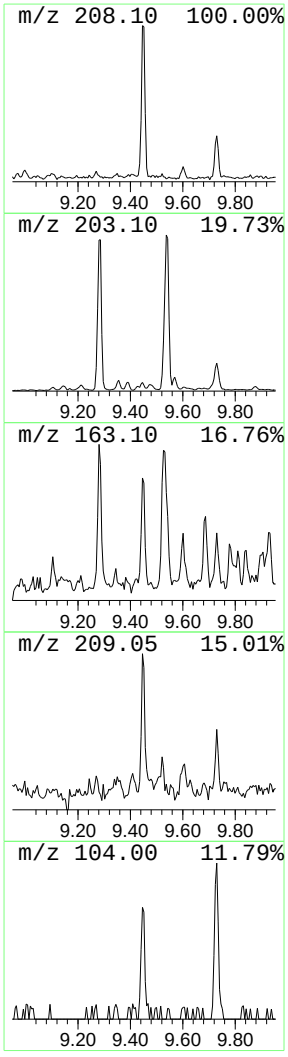
Peak Number 5 Unknown Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.452	7.22 ppm	120777	Phenanthrene-d10a	7.967

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Dimethoxycinnamic acid	208	C11H12O4	016909-11-8	53
2	Indole, 6-methyl-2-(3-pyridyl)-	208	C14H12N2	293762-69-3	49
3	Benzene, 1,2,4-trimethoxy-5-(1-p...	208	C12H16O3	005273-86-9	47
4	1,10-Phenanthroline, 2,9-dimethyl-	208	C14H12N2	000484-11-7	47
5	Phenol, 2-bromo-4-chloro-	206	C6H4BrClO	000695-96-5	47





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Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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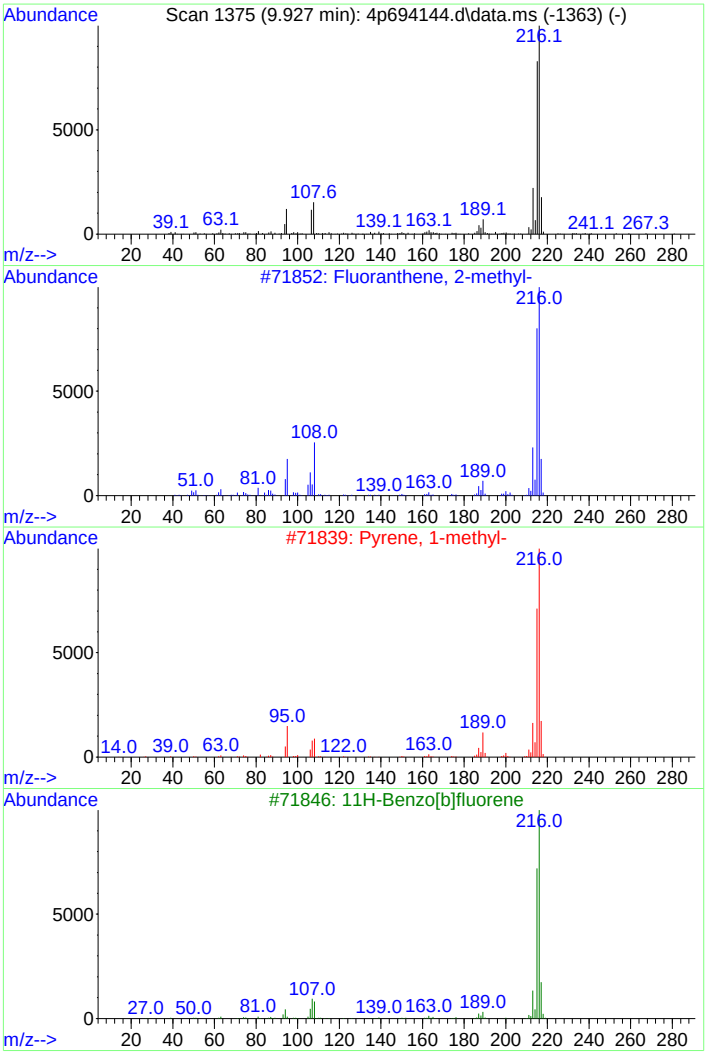
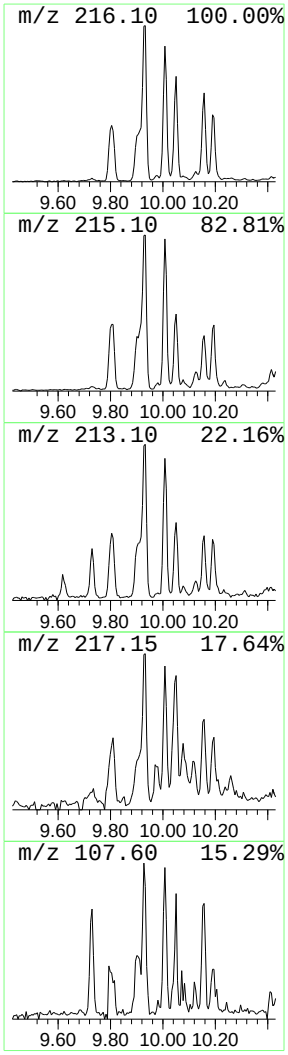
Peak Number 6 Fluoranthene, methyl Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.927	7.39 ppm	320200	Chrysene-d12	10.964

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





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Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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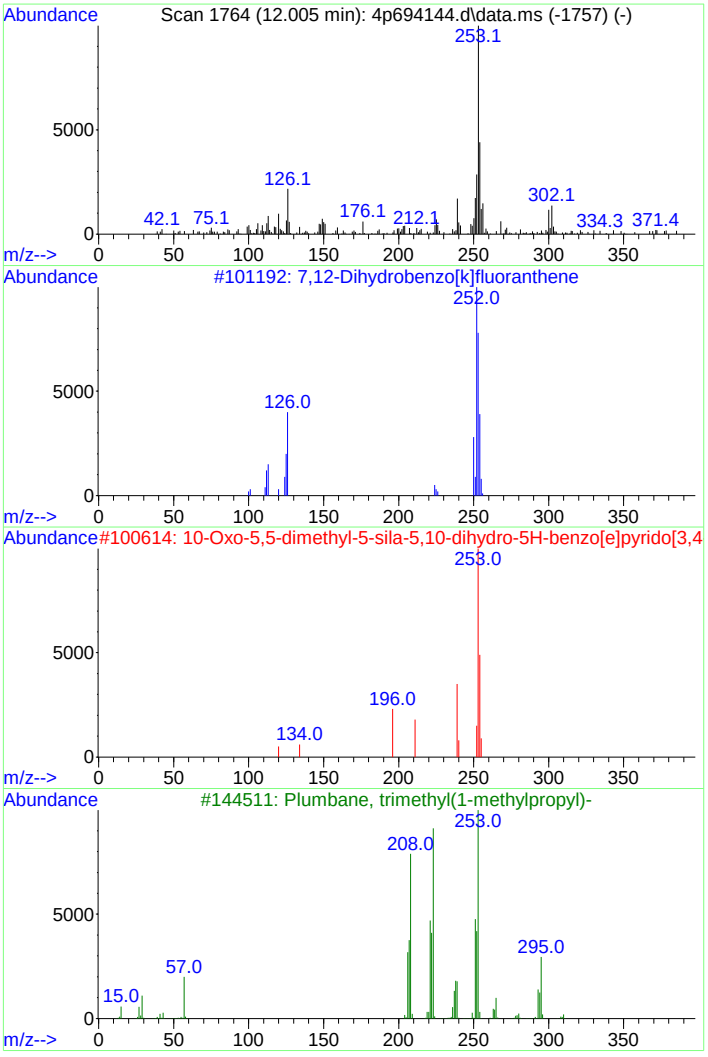
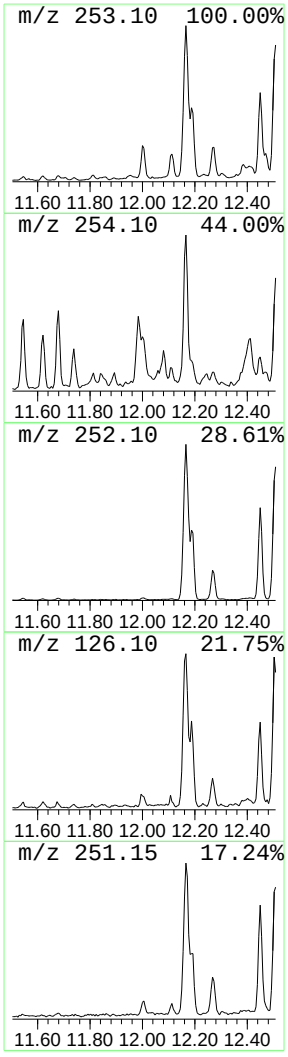
Peak Number 7 Unknown Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.005	6.80 ppm	270757	Perylene-d12	12.566

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	50
2	10-Oxo-5,5-dimethyl-5-sila-5,10-...	254	C14H14N2OSi	089052-45-9	50
3	Plumbane, trimethyl(1-methylprop...	310	C7H18Pb	054964-76-0	49
4	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	43
5	1,2'-Binaphthalene	254	C20H14	004325-74-0	43





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Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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Peak Number 8 Unknown PAH substance Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.267	8.35 ppm	332339	Perylene-d12	12.566

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	98
2	Benzo[e]pyrene	252	C20H12	000192-97-2	98
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
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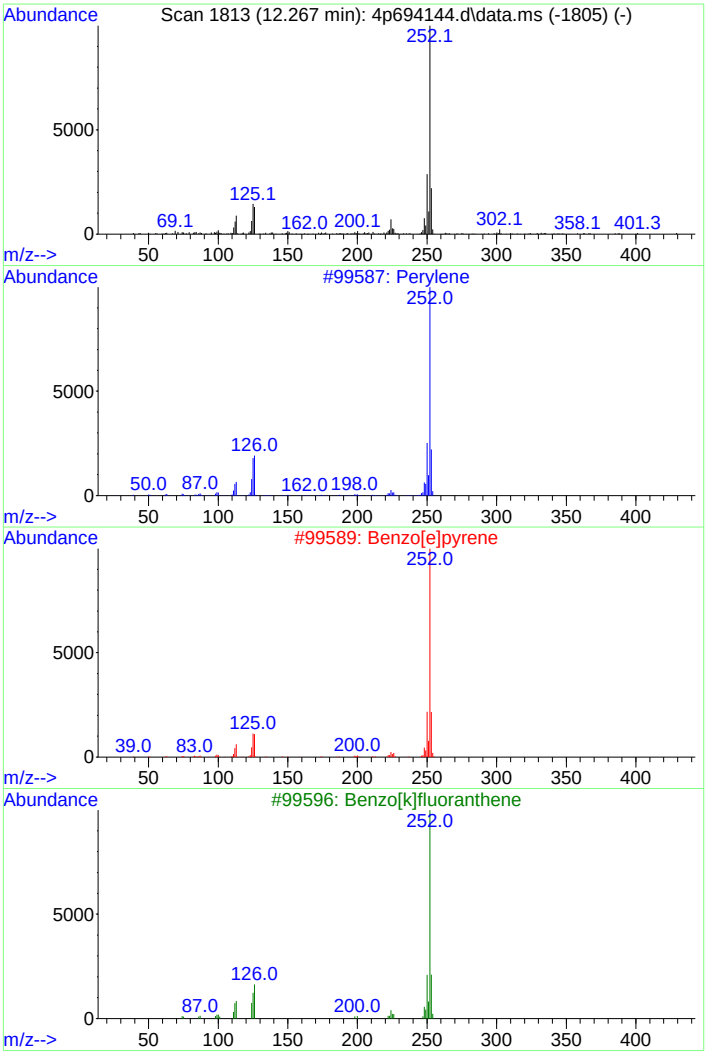

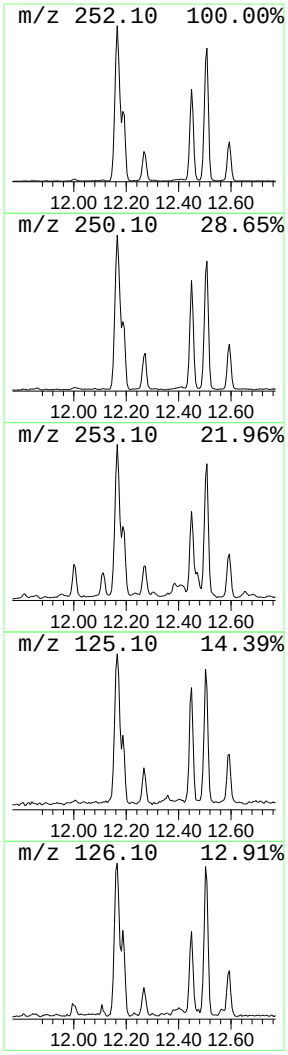

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TIC Library   : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P
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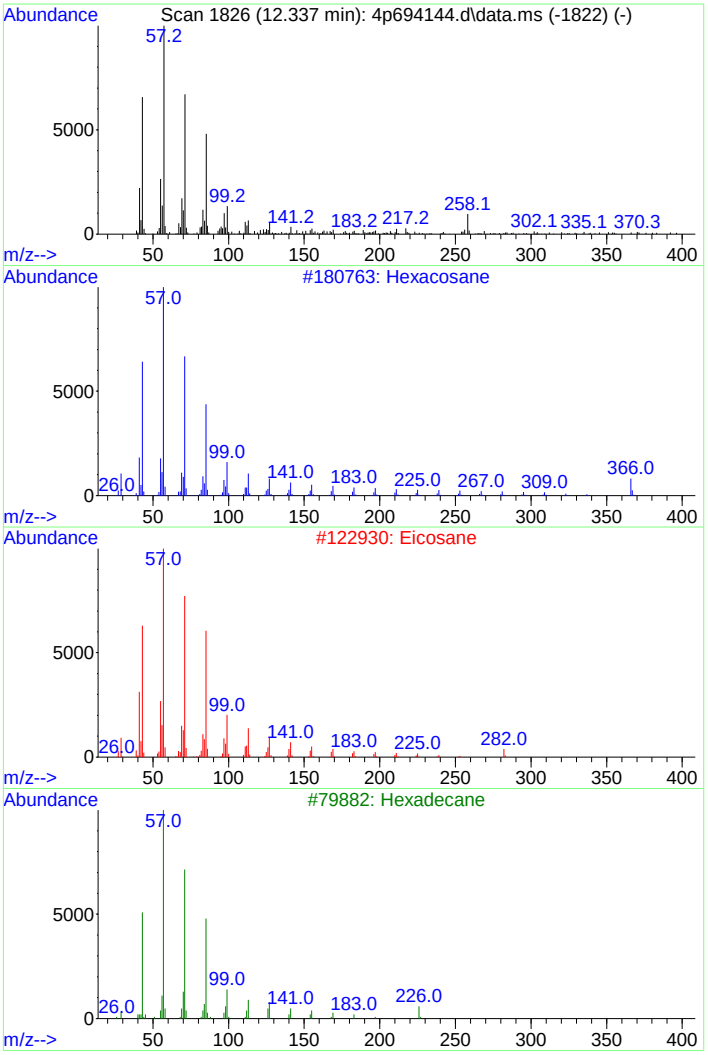
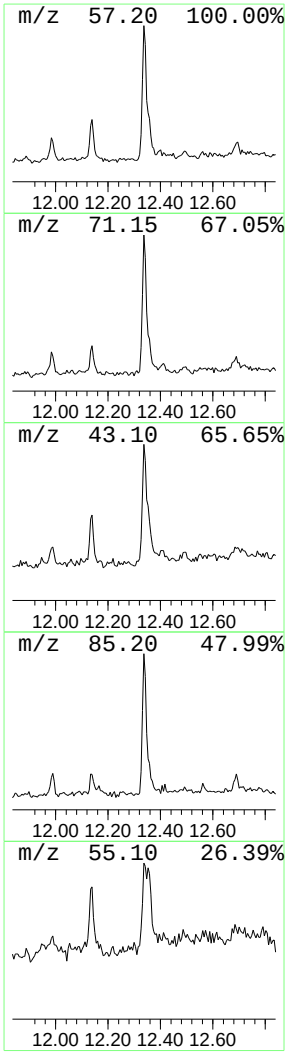
Peak Number 9 Alkane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.337	14.72 ppm	585949	Perylene-d12	12.566

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	94
2	Eicosane	282	C20H42	000112-95-8	90
3	Hexadecane	226	C16H34	000544-76-3	89
4	Heptacosane	380	C27H56	000593-49-7	87
5	Octacosane	394	C28H58	000630-02-4	87





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Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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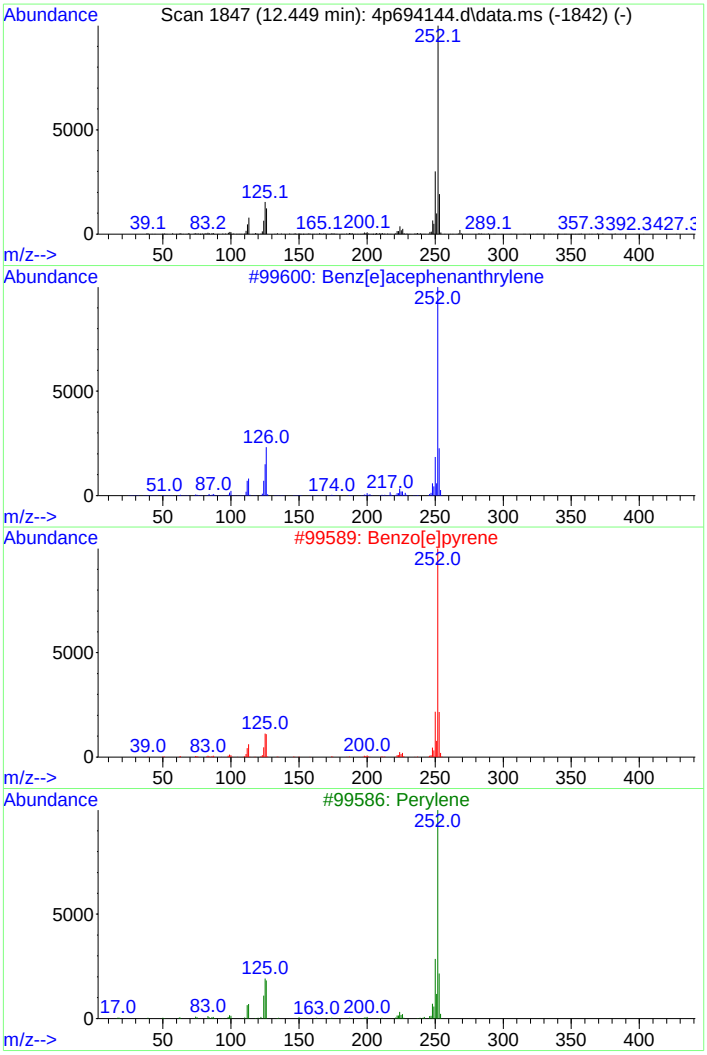
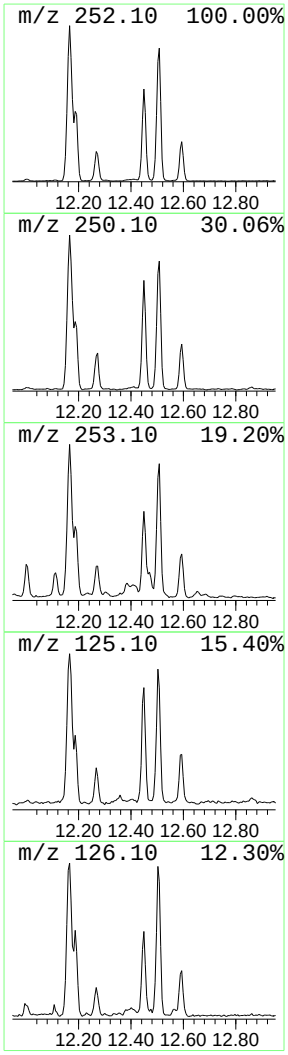
Peak Number 10 Unknown PAH substance Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.449	16.95 ppm	674733	Perylene-d12	12.566

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
2	Benzo[e]pyrene	252	C20H12	000192-97-2	93
3	Perylene	252	C20H12	000198-55-0	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Perylene	252	C20H12	000198-55-0	90





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Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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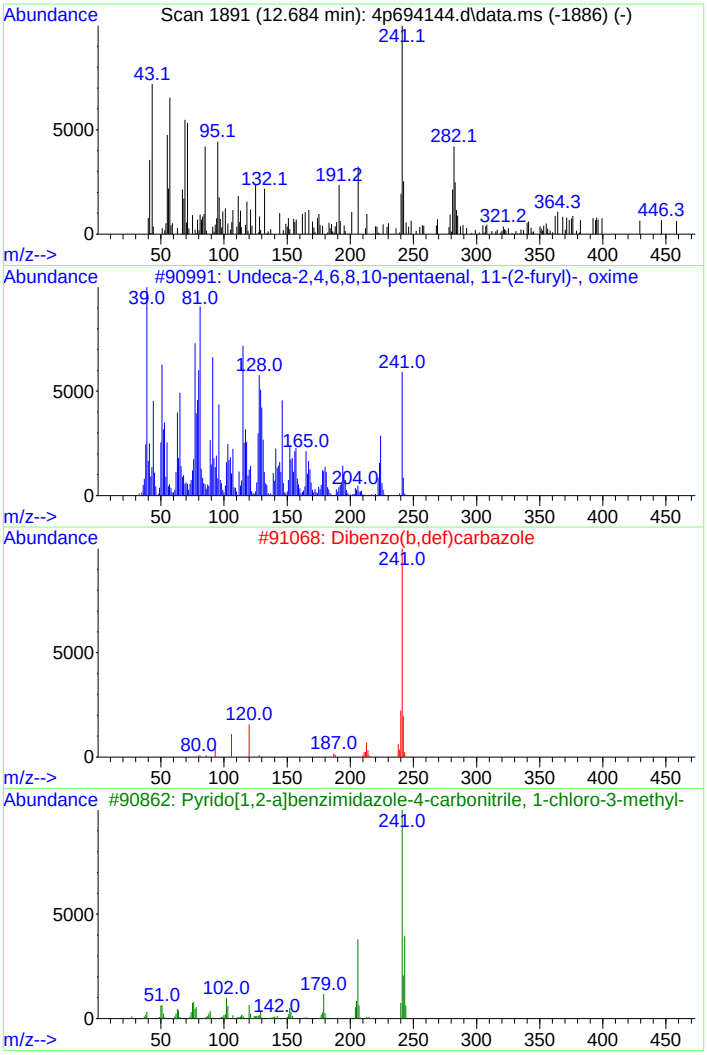
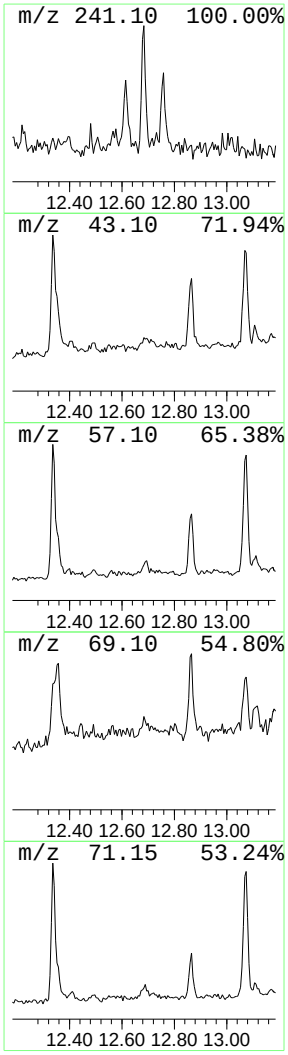
Peak Number 11 Unknown Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.684	5.56 ppm	221516	Perylene-d12	12.566

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undeca-2,4,6,8,10-pentaenal, 11-...	241	C15H15NO2	1000262-66-2	64
2	Dibenzo(b,def)carbazole	241	C18H11N	104313-09-9	22
3	Pyrido[1,2-a]benzimidazole-4-car...	241	C13H8ClN3	121105-78-0	22
4	Indole, 5-chloro-2-methyl-3-phenyl-	241	C15H12ClN	030843-37-9	22
5	Benzene, 1,1'-(1-methylethyliden...	256	C17H20O2	001568-83-8	14





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Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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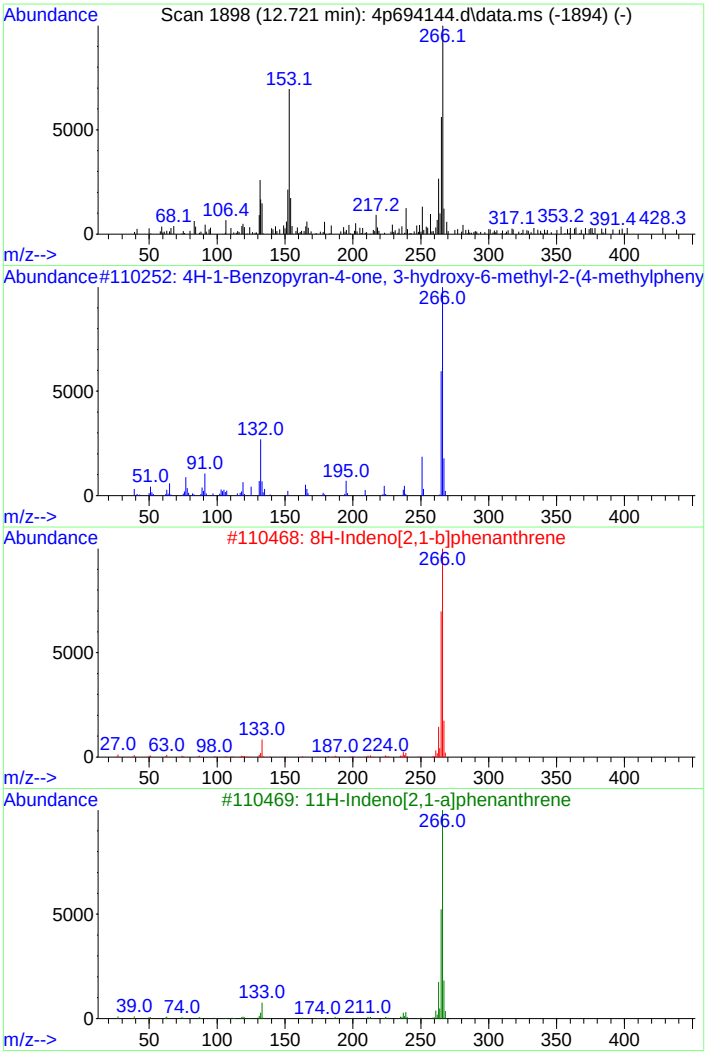
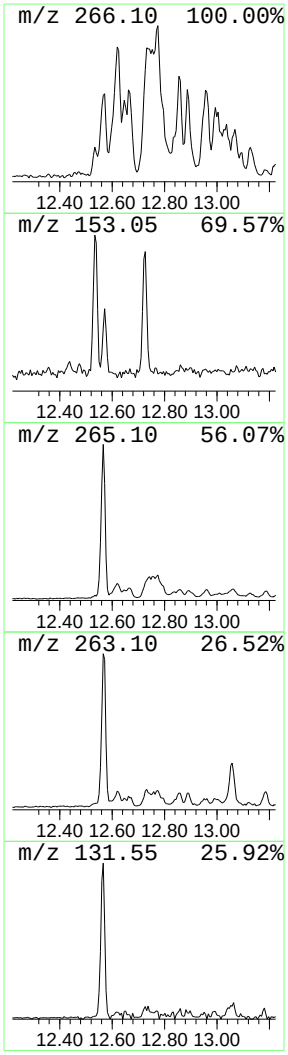
Peak Number 12 Unknown Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.721	7.64 ppm	304342	Perylene-d12	12.566

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-1-Benzopyran-4-one, 3-hydroxy...	266	C17H14O3	078396-37-9	43
2	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	43
3	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	43
4	Benz[j]aceanthrylen-1-ol, 1,2-di...	284	C21H16O	003342-98-1	37
5	3-(3-[Trifluoromethyl]phenoxy)be...	266	C14H9F3O2	078725-46-9	35





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Acq On : 6 Dec 2024 1:06 pm
Operator : kaleigh
Sample : je1536-6
Misc : op59876,e4p3703,30.02,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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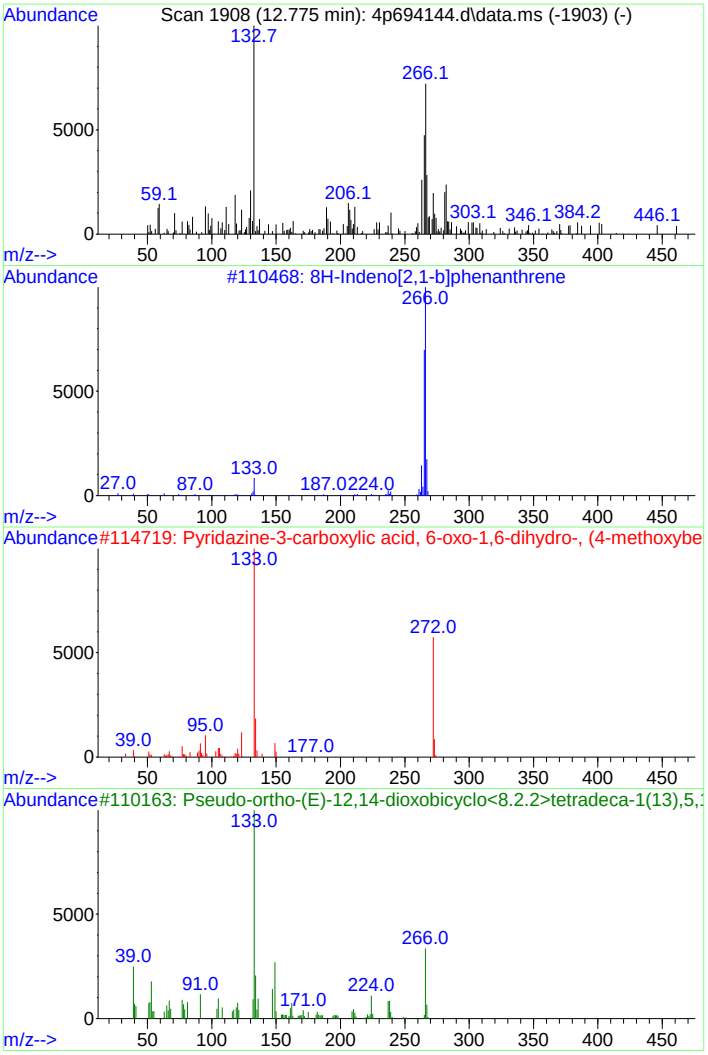
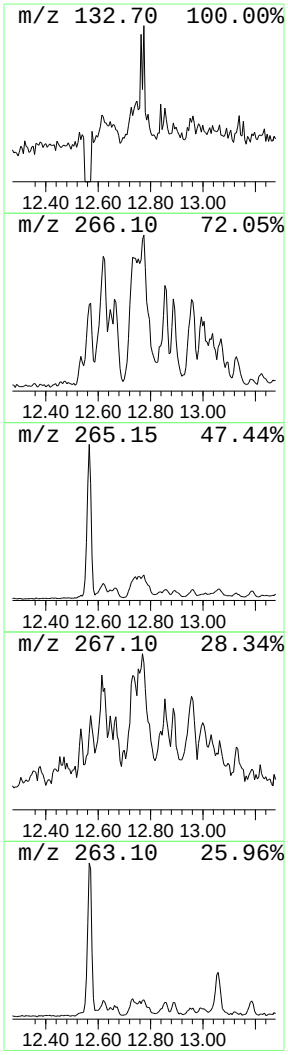
Peak Number 13 Unknown Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.775	9.78 ppm	389515	Perylene-d12	12.566

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	40
2	Pyridazine-3-carboxylic acid, 6-...	272	C13H12N4O3	1000310-23-9	30
3	Pseudo-ortho-(E)-12,14-dioxobicy...	266	C16H14N2O2	078821-68-8	23
4	Cyclopentylidene-(4-phenyl-thiaz...	266	C16H14N2S	1000300-05-0	14
5	4H-1-Benzopyran-4-one, 3-hydroxy...	266	C17H14O3	078396-37-9	14





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ALS Vial : 11 Sample Multiplier: 1

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Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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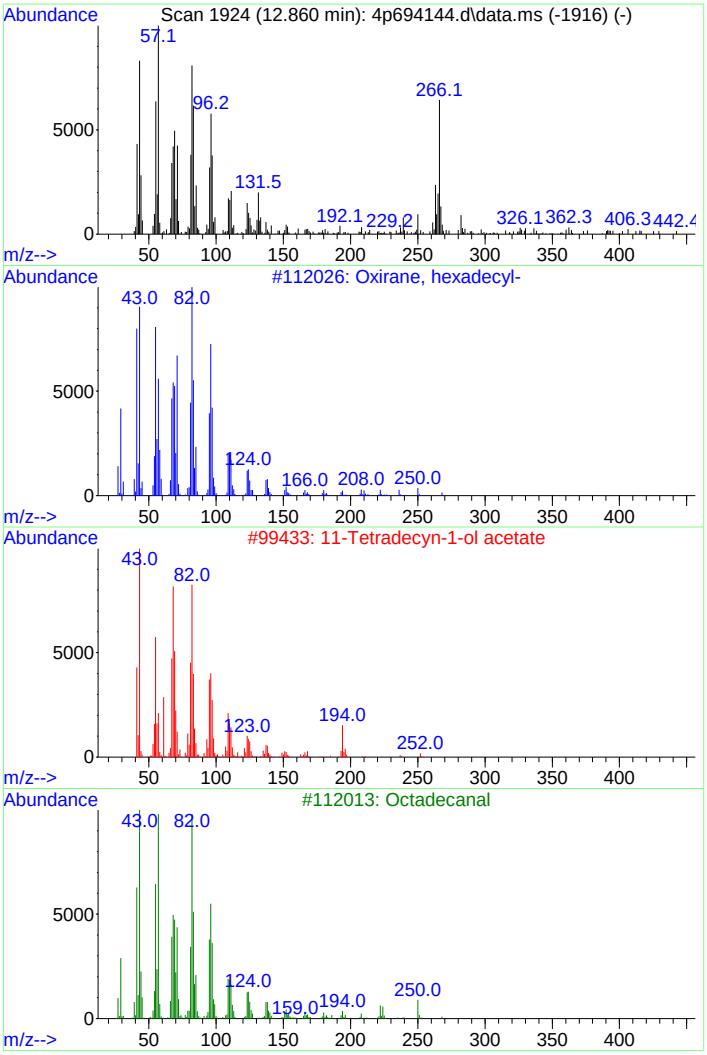
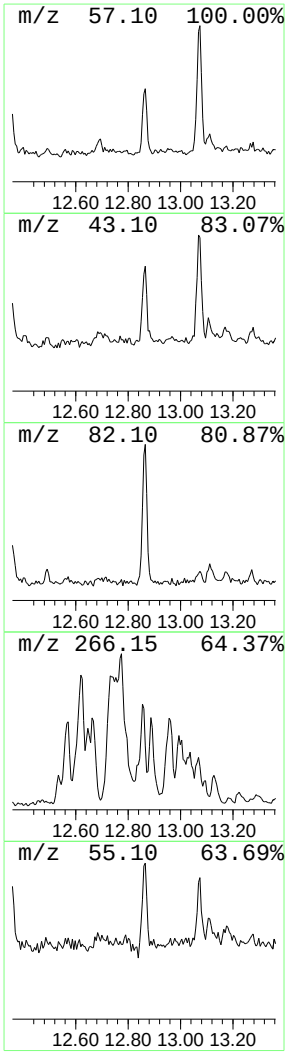
Peak Number 14 Unknown Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.860	17.53 ppm	697726	Perylene-d12	12.566

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	89
2	11-Tetradecyn-1-ol acetate	252	C16H28O2	033925-72-3	51
3	Octadecanal	268	C18H36O	000638-66-4	50
4	Z-2-Octadecen-1-ol	268	C18H36O	1000131-11-0	43
5	Pentadecanal-	226	C15H30O	002765-11-9	41





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Misc : op59876,e4p3703,30.02,,,1,1
ALS Vial : 11 Sample Multiplier: 1

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Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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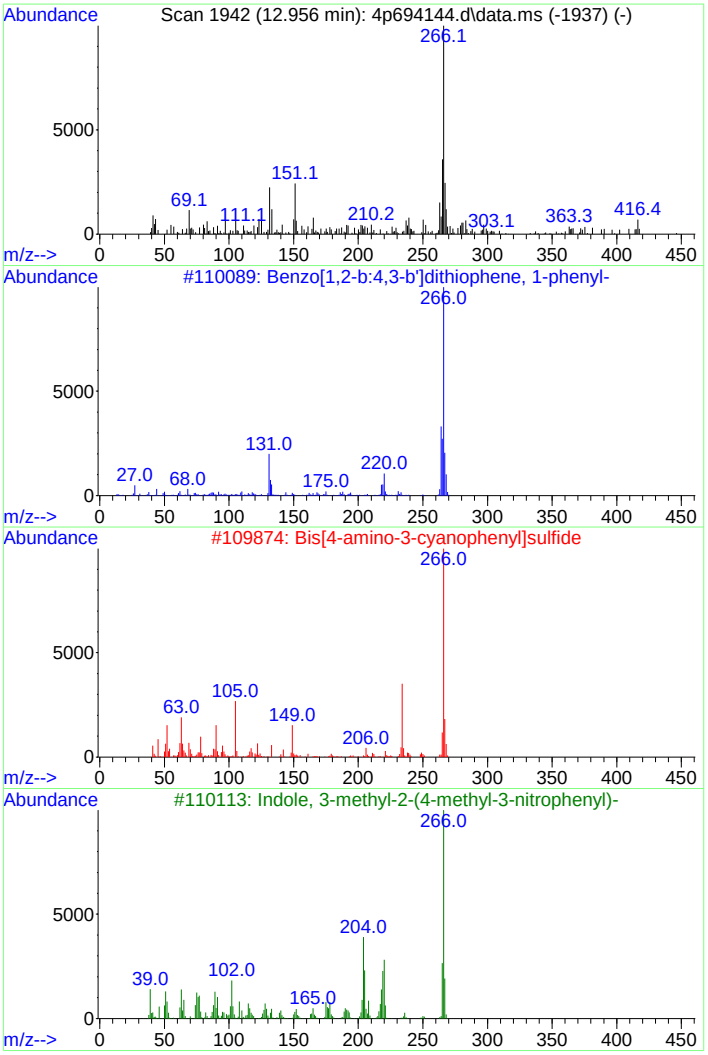
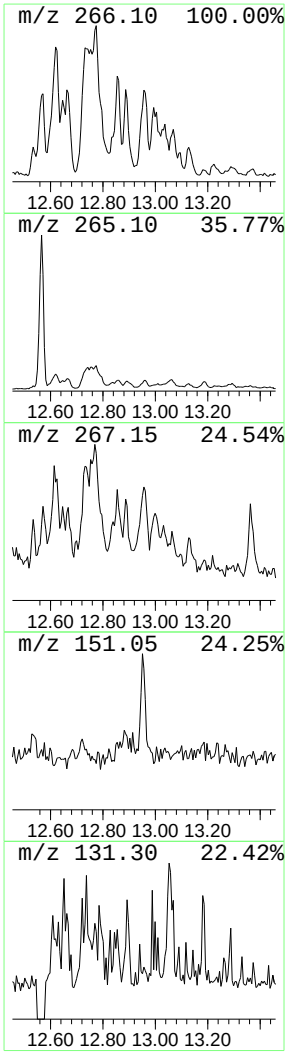
Peak Number 15 Unknown Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.956	5.92 ppm	235536	Perylene-d12	12.566

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[1,2-b:4,3-b']dithiophene, ...	266	C16H10S2	016587-58-9	72
2	Bis[4-amino-3-cyanophenyl]sulfide	266	C14H10N4S	061382-02-3	50
3	Indole, 3-methyl-2-(4-methyl-3-n...	266	C16H14N2O2	311765-55-6	50
4	10-Methylbenzo(a)pyrene	266	C21H14	063104-32-5	50
5	Thiazole, 4-(4-methylphenyl)-2-p...	266	C16H14N2S	093020-56-5	50





Library Search Compound Report

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Operator : kaleigh
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Misc : op59876,e4p3703,30.02,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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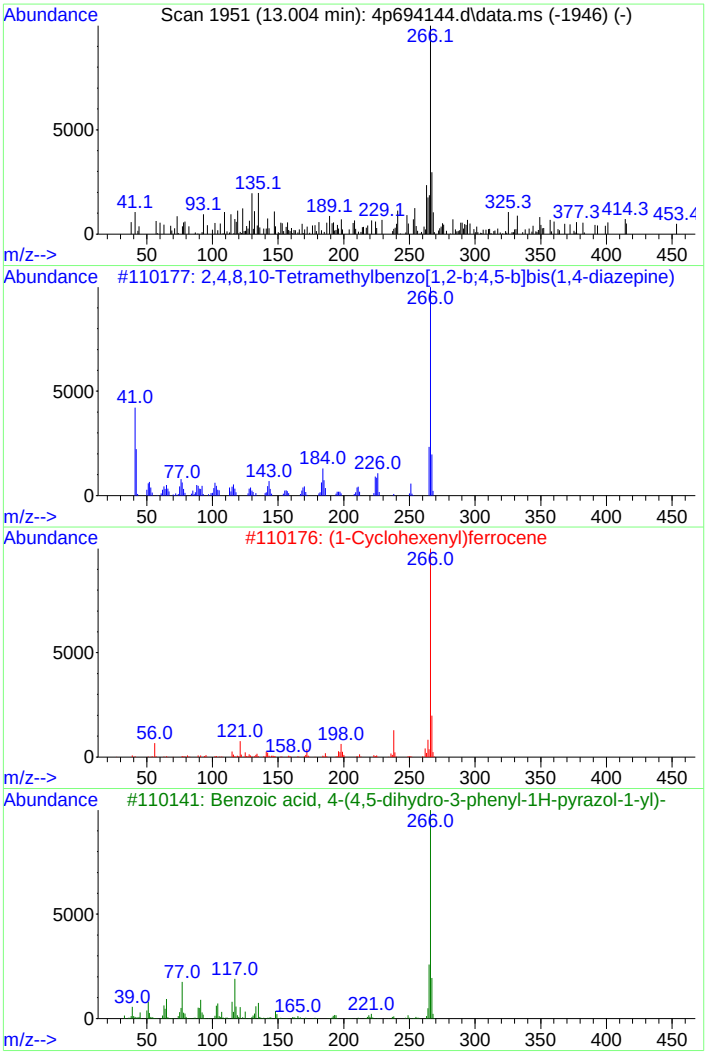
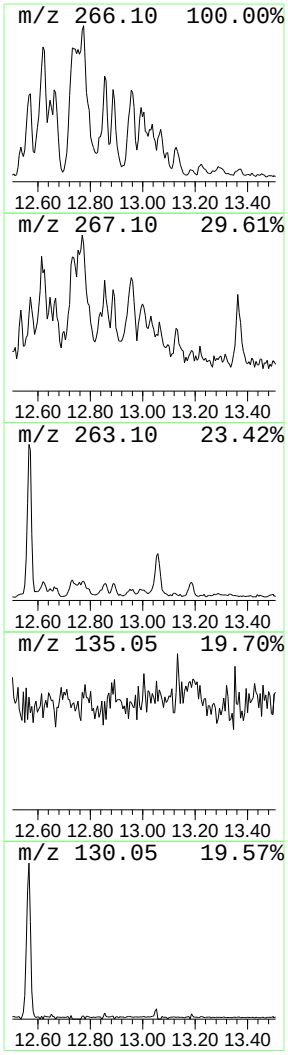
Peak Number 16 Unknown Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.004	5.75 ppm	228843	Perylene-d12	12.566

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,8,10-Tetramethylbenzo[1,2-b;...	266	C16H18N4	017377-04-7	46
2	(1-Cyclohexenyl)ferrocene	266	C16H18Fe	033183-07-2	43
3	Benzoic acid, 4-(4,5-dihydro-3-p...	266	C16H14N2O2	026192-74-5	43
4	1-Phosphacyclopent-2-ene, 1,5-di...	266	C18H19P	1000162-78-2	43
5	Benzoic acid, 2-[(trimethylsilyl...	281	C13H23NO2Si2	018406-07-0	43





Library Search Compound Report

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ALS Vial  : 11   Sample Multiplier: 1

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Quant Title  : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library   : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P
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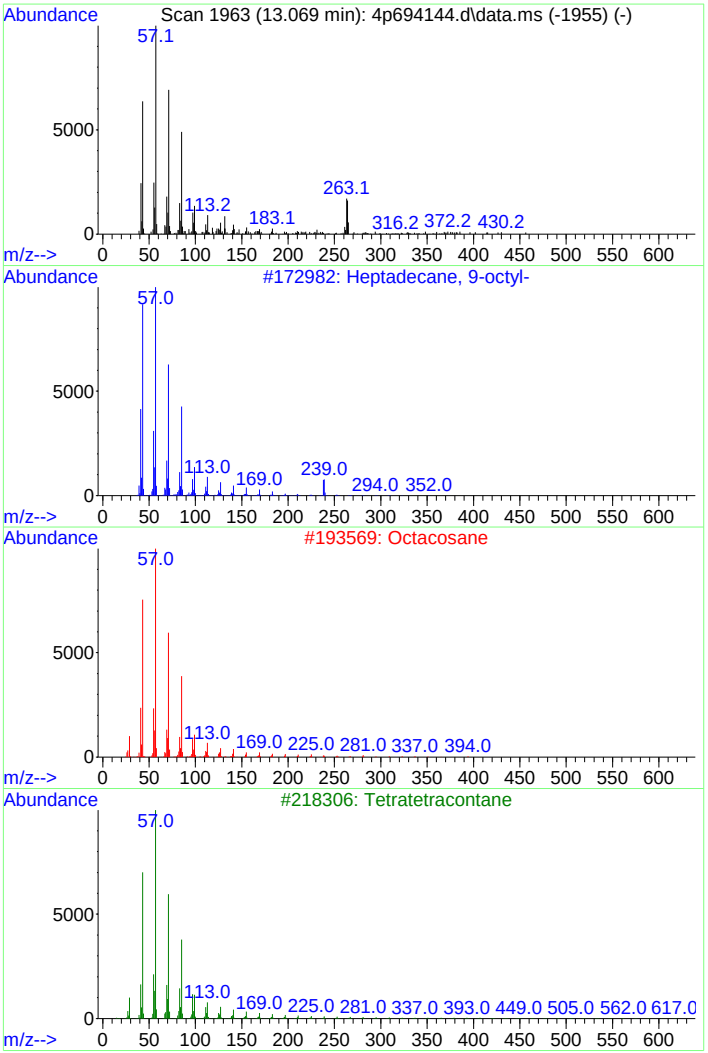
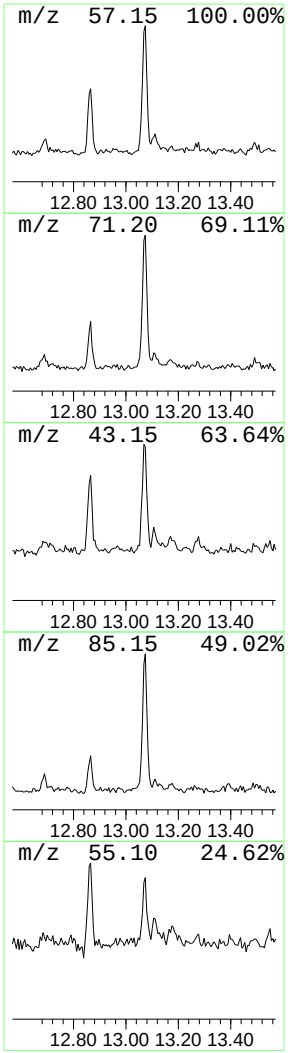
Peak Number 17 Alkane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.069	12.76 ppm	507928	Perylene-d12	12.566

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	96
2	Octacosane	394	C28H58	000630-02-4	76
3	Tetratetracontane	619	C44H90	007098-22-8	76
4	Hexatriacontane	507	C36H74	000630-06-8	76
5	Tetradecane	198	C14H30	000629-59-4	70





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Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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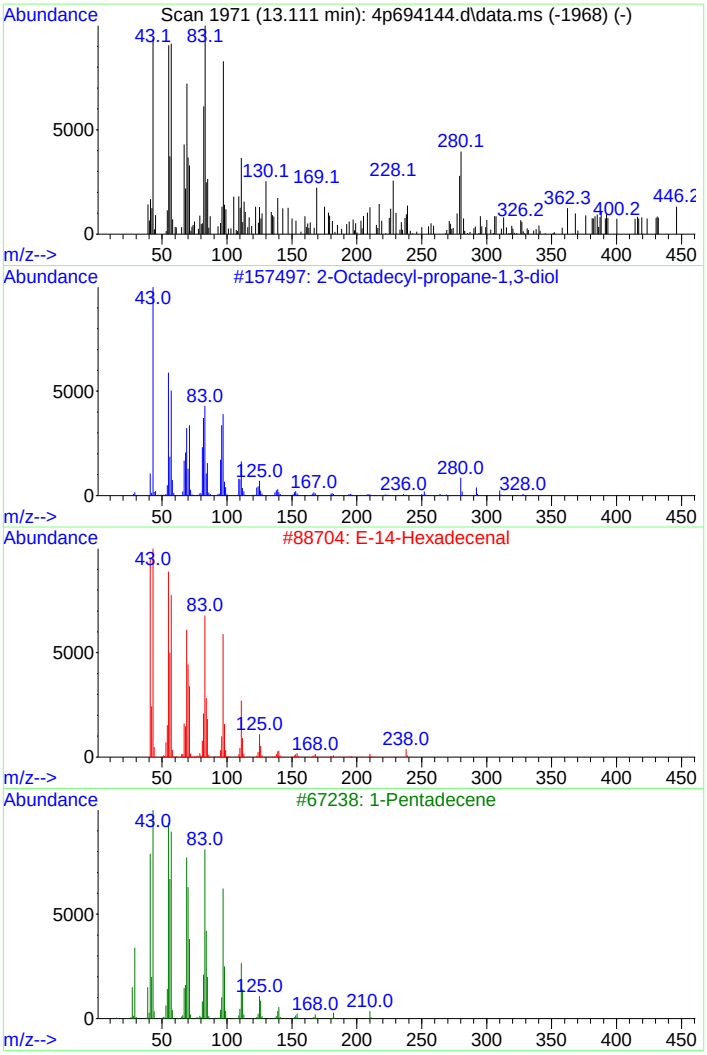
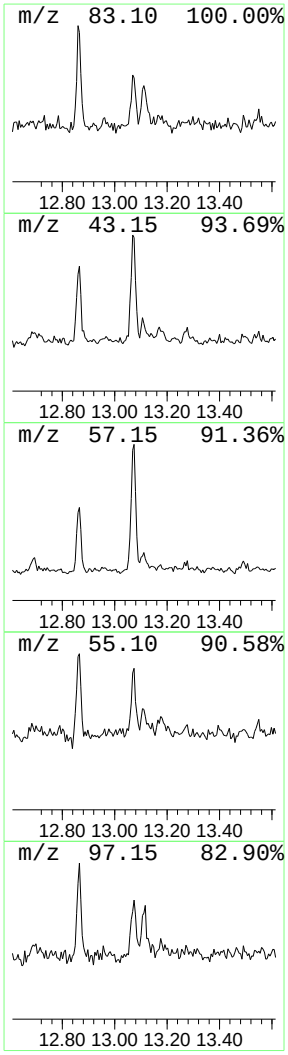
Peak Number 18 Unknown Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.111	7.27 ppm	289518	Perylene-d12	12.566

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octadecyl-propane-1,3-diol	328	C21H44O2	005337-61-1	64
2	E-14-Hexadecenal	238	C16H30O	330207-53-9	60
3	1-Pentadecene	210	C15H30	013360-61-7	53
4	i-Propyl 11,12-methylene-octadec...	338	C22H42O2	1000336-77-0	49
5	Dodecane, 1-cyclopentyl-4-(3-cyc...	348	C25H48	007225-68-5	49





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Operator : kaleigh
Sample : je1536-6
Misc : op59876,e4p3703,30.02,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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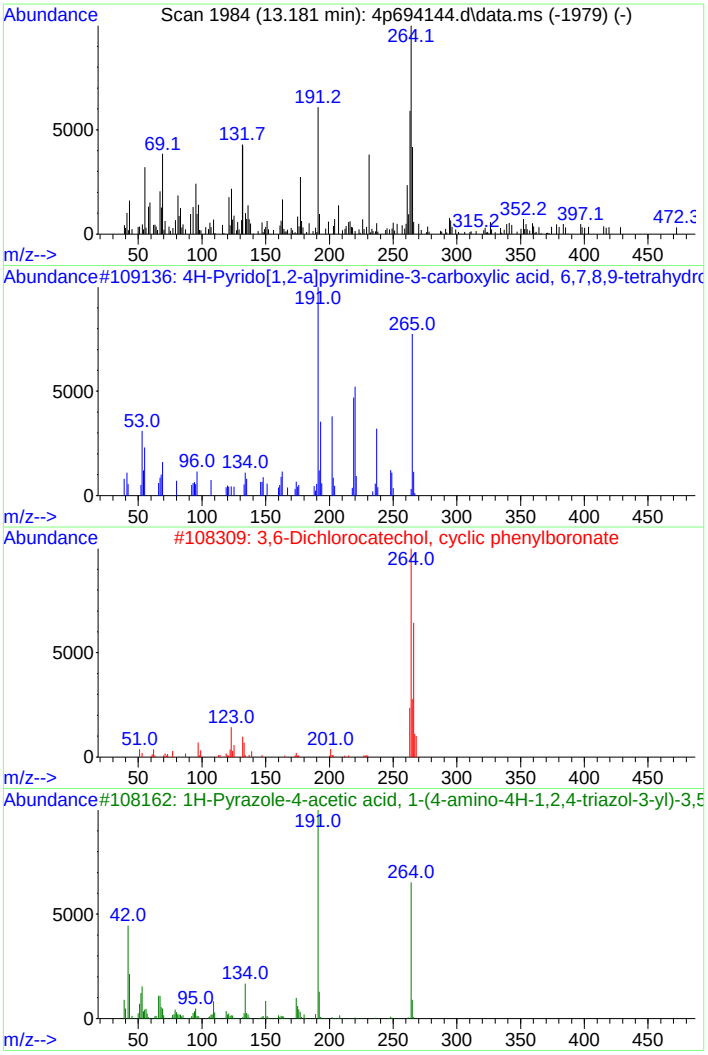
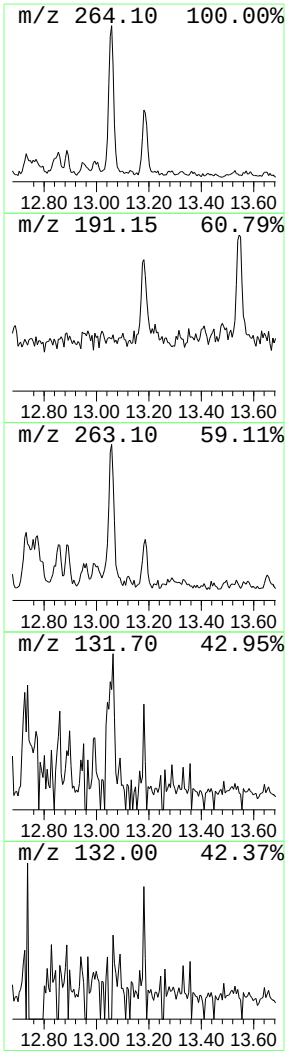
Peak Number 19 Unknown Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.181	7.76 ppm	308804	Perylene-d12	12.566

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Pyrido[1,2-a]pyrimidine-3-car...	265	C12H15N3O4	064399-30-0	25
2	3,6-Dichlorocatechol, cyclic phe...	264	C12H7BCl2O2	1000293-25-1	22
3	1H-Pyrazole-4-acetic acid, 1-(4-...	264	C11H16N6O2	1000337-51-2	22
4	2H-1,3-Benzoxazine, octahydro-2-...	231	C15H21NO	109086-81-9	18
5	1H-Isoindole-1-acetic acid, 2,3-...	191	C10H9NO3	1000349-85-0	18





Library Search Compound Report

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Operator  : kaleigh
Sample    : je1536-6
Misc      : op59876,e4p3703,30.02,,,1,1
ALS Vial  : 11   Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title  : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library   : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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Peak Number 20  Unknown                          Concentration Rank 25
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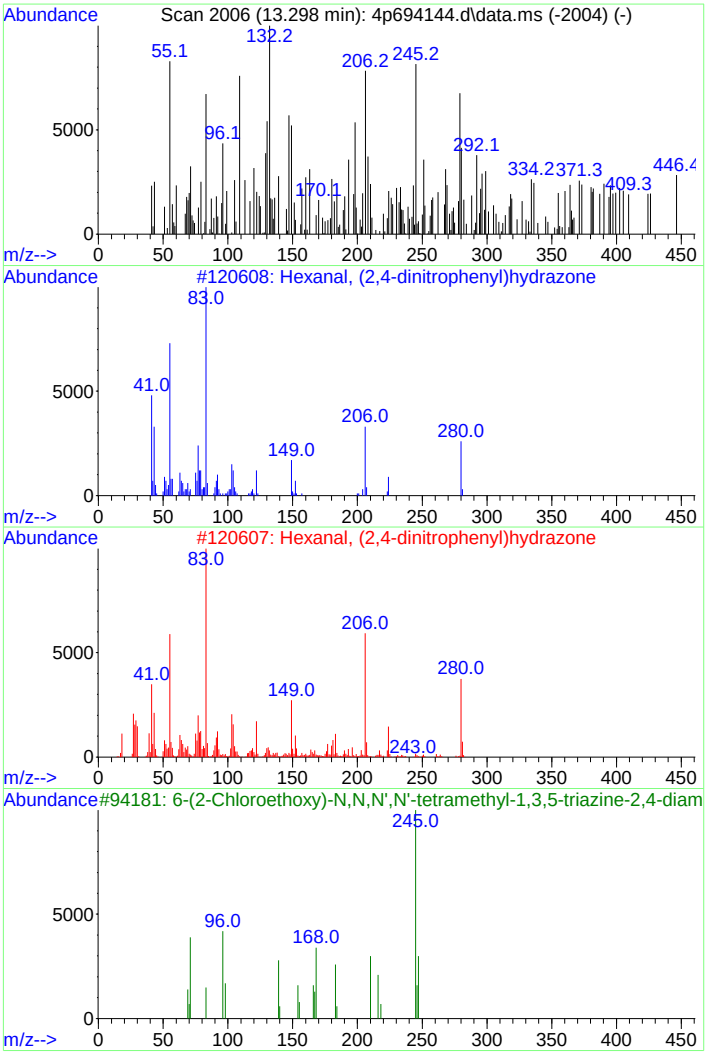
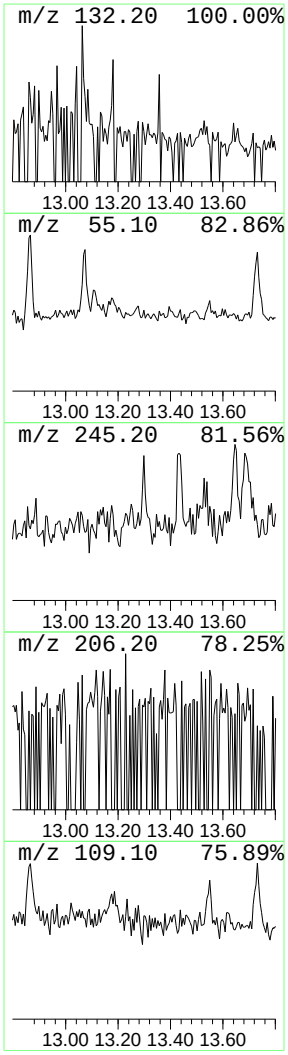
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.298	5.12 ppm	203692	Perylene-d12	12.566

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal, (2,4-dinitrophenyl)hydr...	280	C12H16N4O4	001527-97-5	22
2	Hexanal, (2,4-dinitrophenyl)hydr...	280	C12H16N4O4	001527-97-5	22
3	6-(2-Chloroethoxy)-N,N,N',N'-tet...	245	C9H16ClN5O	062915-30-4	11
4	Quinoline-4-carboxylic acid, 6,7...	251	C12H13NO5	1000316-46-1	11
5	Ethyl 3-cyano-2-((diethoxyphosph...	358	C14H19N2O5PS	1000298-03-2	11





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Sample : je1536-6
Misc : op59876,e4p3703,30.02,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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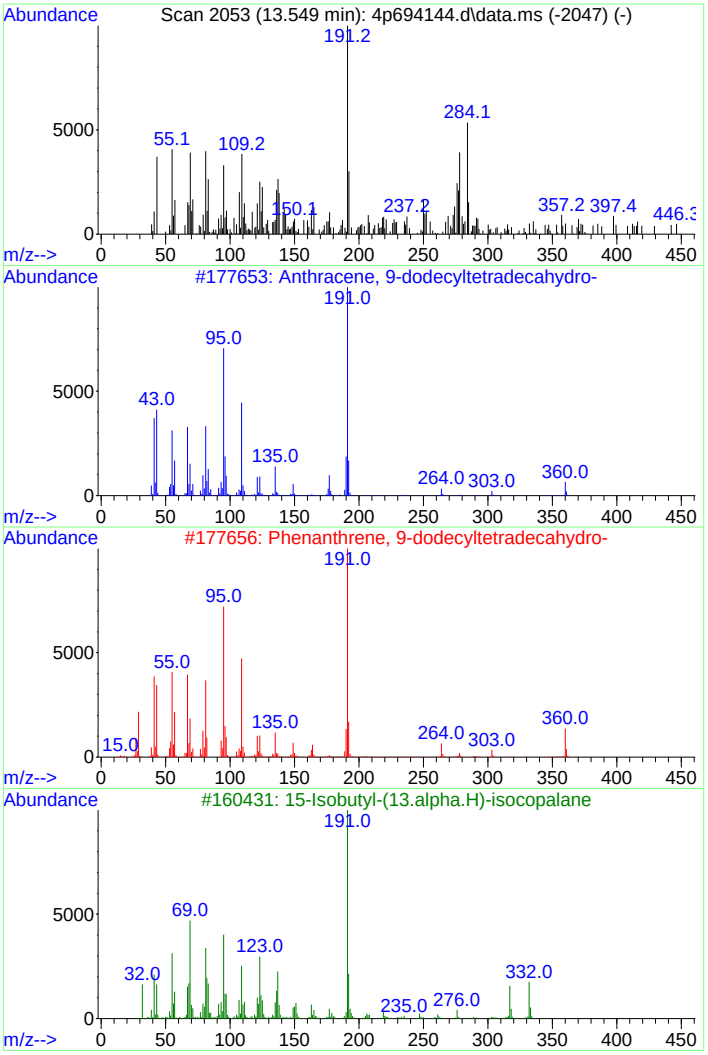
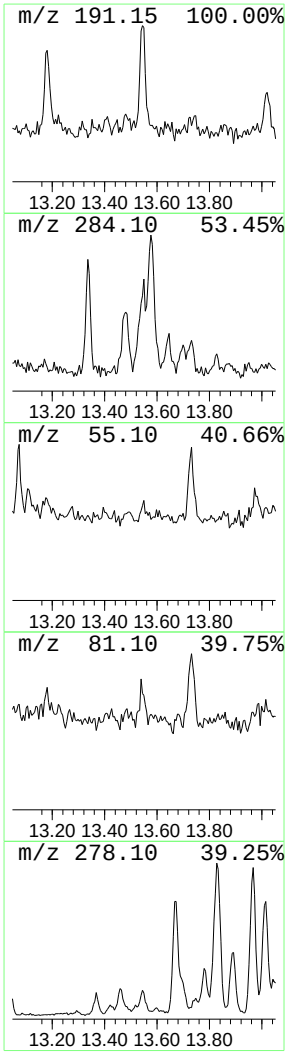
Peak Number 21 Unknown Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.549	10.85 ppm	431847	Perylene-d12	12.566

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-dodecyltetradecahy...	360	C26H48	055401-75-7	38
2	Phenanthrene, 9-dodecyltetradeca...	360	C26H48	055334-01-5	27
3	15-Isobutyl-(13.alpha.H)-isocopa...	332	C24H44	087953-47-7	27
4	2-Phenylamino-5,6(4H)dihydro-1,3...	192	C10H12N2S	1000147-35-4	22
5	N-(3,4,5,6-Tetrahydro-1,3-thiazi...	192	C10H12N2S	003420-40-4	22





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Operator : kaleigh
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ALS Vial : 11 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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Peak Number 22 Unknown Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.678	7.10 ppm	282532	Perylene-d12	12.566

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	83
2	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	64
3	Benzo[ghi]perylene	276	C22H12	000191-24-2	60
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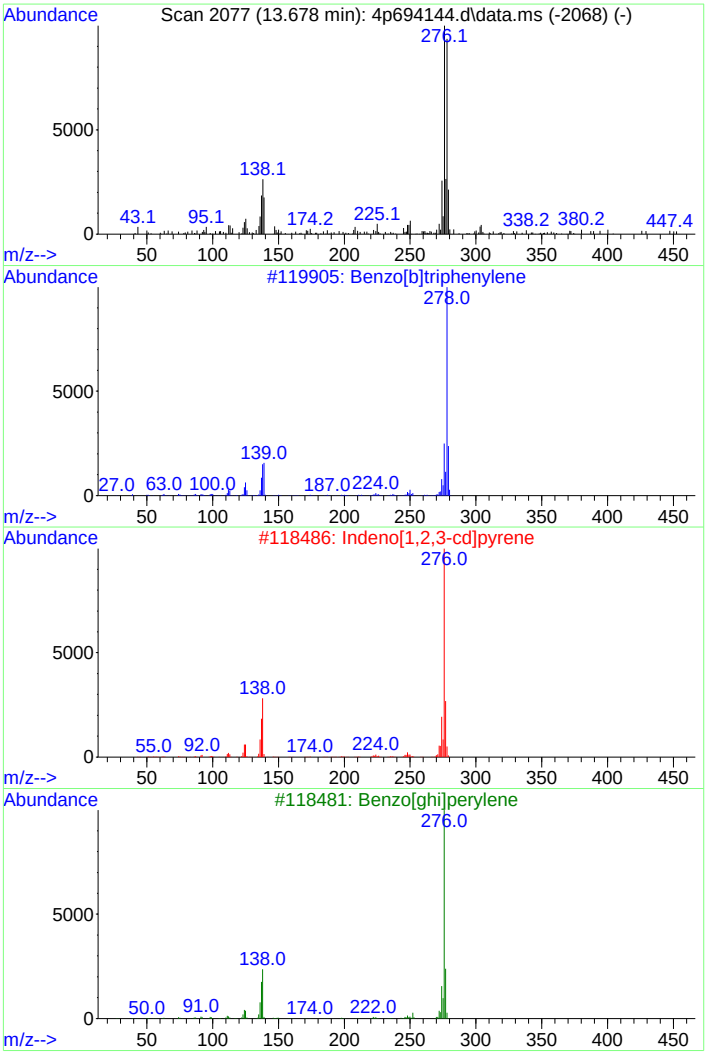
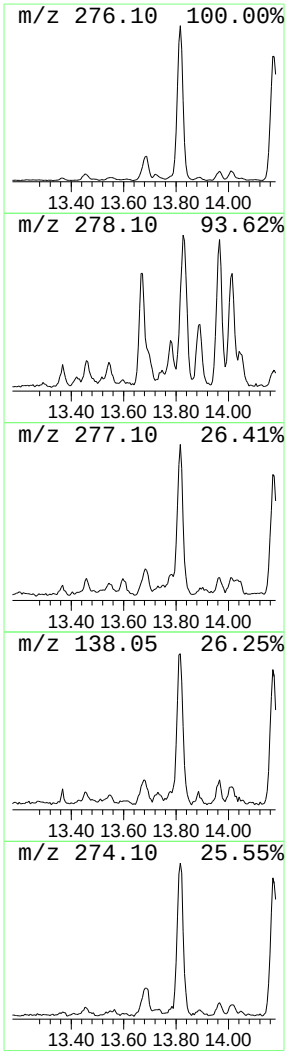
5	Pyrene, 1-phenyl-	278	C22H14	005101-27-9	49





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ALS Vial : 11 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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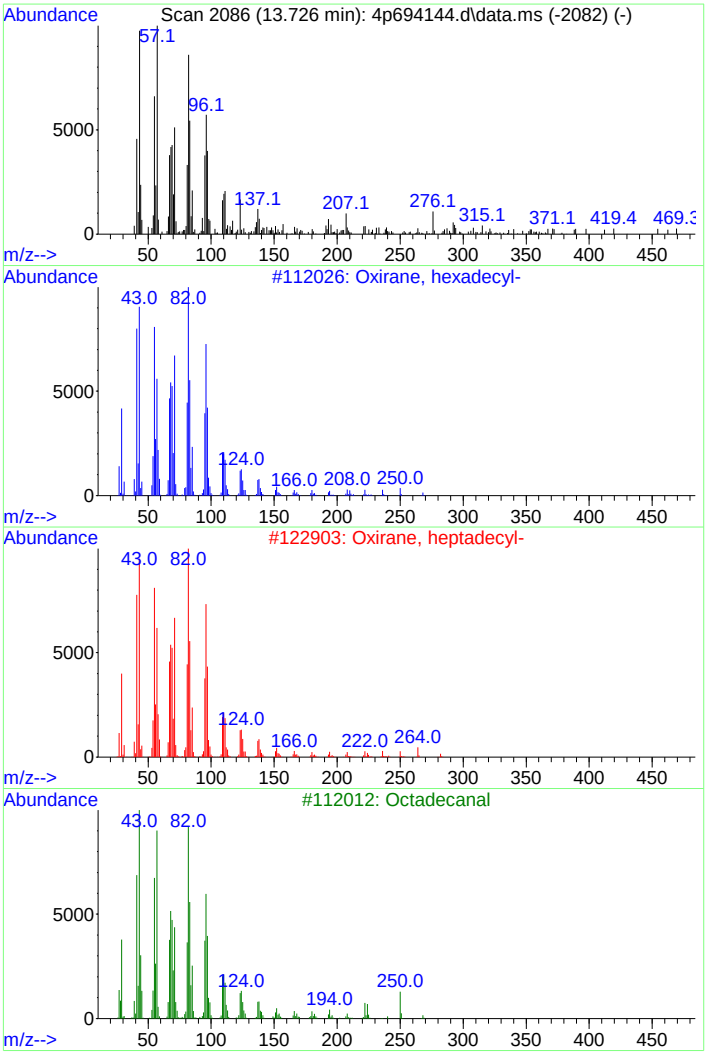
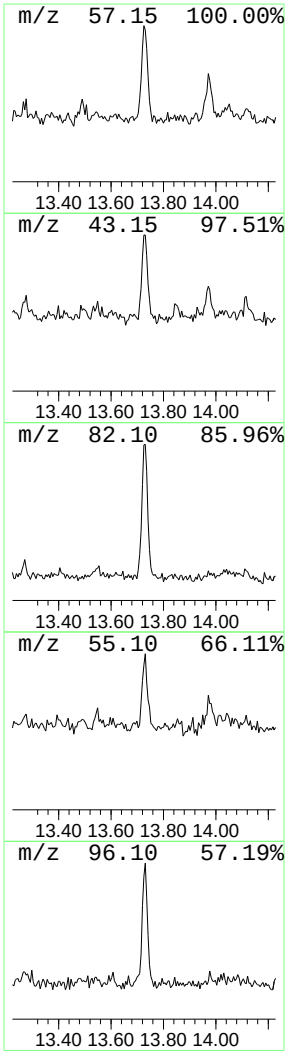
Peak Number 23 Oxirane, hexadecyl Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.726	7.12 ppm	283453	Perylene-d12	12.566

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	87
2	Oxirane, heptadecyl-	282	C19H38O	067860-04-2	87
3	Octadecanal	268	C18H36O	000638-66-4	86
4	15-Octadecenal	266	C18H34O	056554-93-9	86
5	Octadecanal	268	C18H36O	000638-66-4	86





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694144.d
Acq On : 6 Dec 2024 1:06 pm
Operator : kaleigh
Sample : je1536-6
Misc : op59876,e4p3703,30.02,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

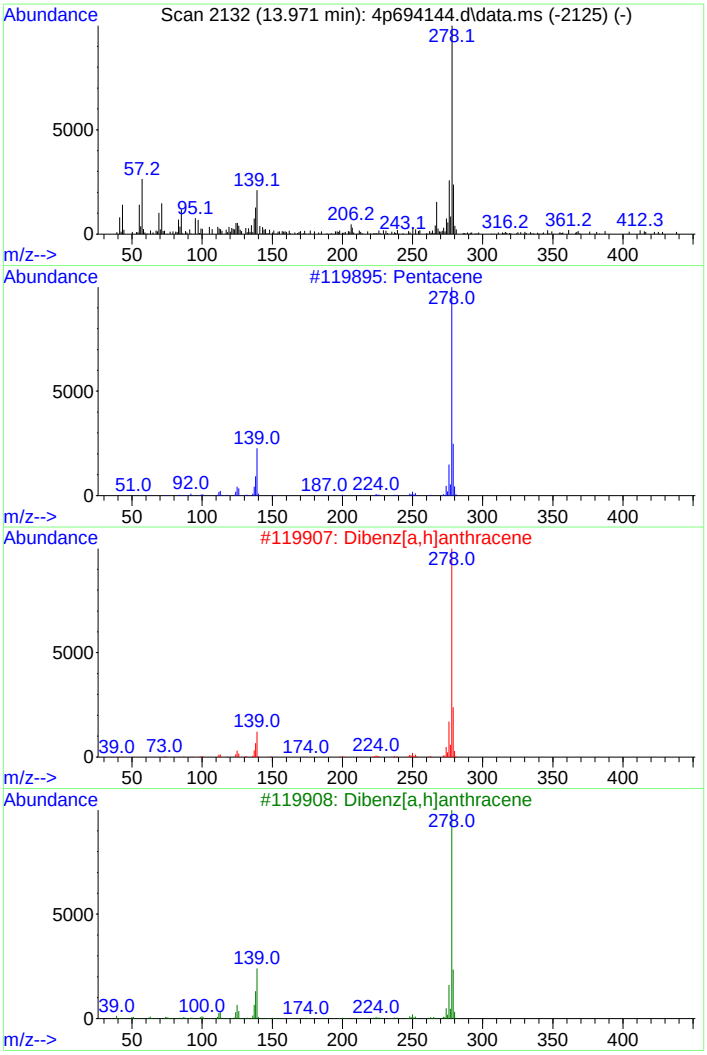
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

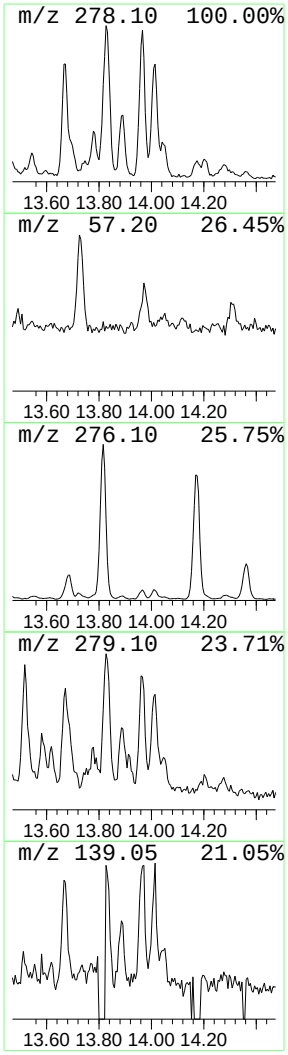
****

Peak Number 24 Dibenz[a,h]anthracene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.971	5.89 ppm	234673	Perylene-d12	12.566

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentacene	278	C22H14	000135-48-8	96
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	95
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	93
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	89
5	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	89





Library Search Compound Report

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Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694144.d
Acq On    :  6 Dec 2024    1:06 pm
Operator  : kaleigh
Sample    : je1536-6
Misc      : op59876,e4p3703,30.02,,,1,1
ALS Vial  : 11   Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title  : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

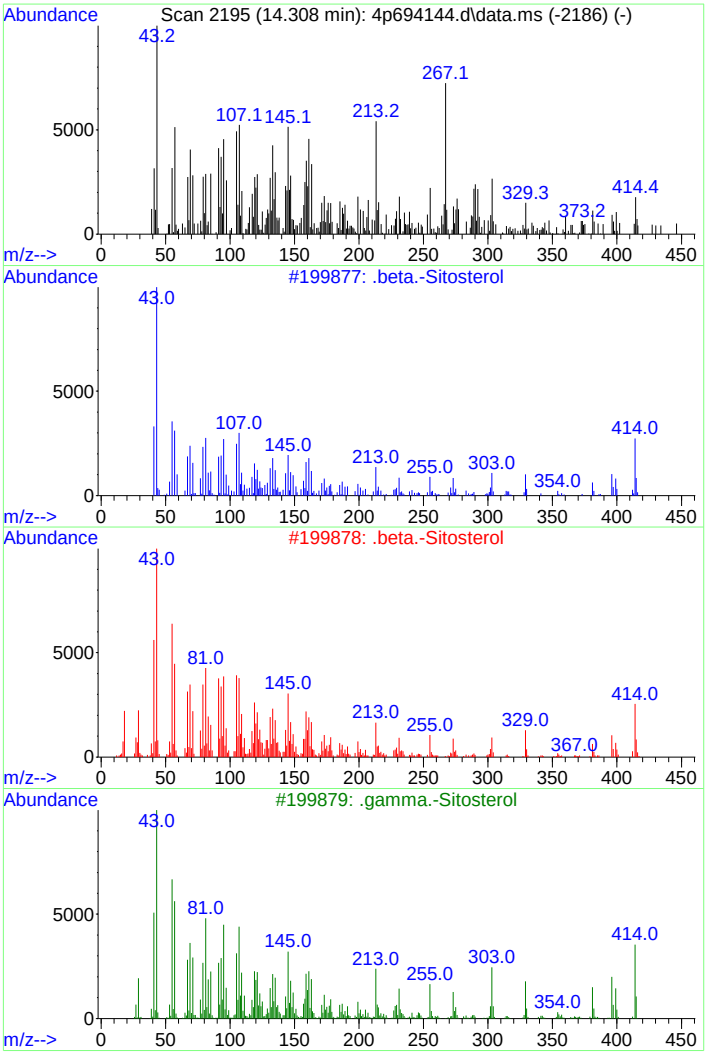
TIC Library   : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P
```

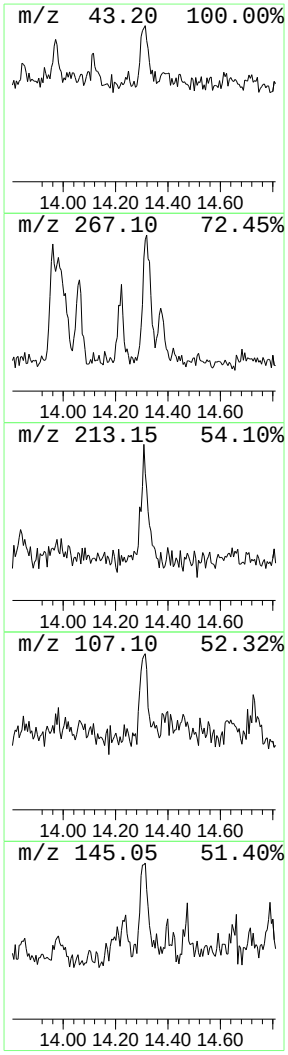
****

Peak Number 25 Unknown Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.308	5.65 ppm	224860	Perylene-d12	12.566

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Sitosterol	414	C29H50O	000083-46-5	55
2	.beta.-Sitosterol	414	C29H50O	000083-46-5	46
3	.gamma.-Sitosterol	414	C29H50O	000083-47-6	46
4	Campesterol	400	C28H48O	000474-62-4	41
5	[5-(2,4-Dichloro-benzylsulfanyl)...	302	C11H12Cl2N4S	1000276-01-0	15





Tentatively Identified Compound (LSC) summary

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694144.d
Acq On : 6 Dec 2024 1:06 pm
Operator : kaleigh
Sample : je1536-6
Misc : op59876,e4p3703,30.02,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Phenanthrene, m...	8.496	5.2	ppm	87261	10	7.967	668667	40.0
Phenanthrene, m...	8.528	5.5	ppm	91163	10	7.967	668667	40.0
Unknown	8.613	15.1	ppm	251841	10	7.967	668667	40.0
Phenanthrene,di...	9.105	5.6	ppm	93204	10	7.967	668667	40.0
Unknown	9.452	7.2	ppm	120777	10	7.967	668667	40.0
Fluoranthene, m...	9.927	7.4	ppm	320200	11	10.964	1732970	40.0
Unknown	12.005	6.8	ppm	270757	14	12.566	1592410	40.0
Unknown PAH sub...	12.267	8.3	ppm	332339	14	12.566	1592410	40.0
Alkane	12.337	14.7	ppm	585949	14	12.566	1592410	40.0
Unknown PAH sub...	12.449	16.9	ppm	674733	14	12.566	1592410	40.0
Unknown	12.684	5.6	ppm	221516	14	12.566	1592410	40.0
Unknown	12.721	7.6	ppm	304342	14	12.566	1592410	40.0
Unknown	12.775	9.8	ppm	389515	14	12.566	1592410	40.0
Unknown	12.860	17.5	ppm	697726	14	12.566	1592410	40.0
Unknown	12.956	5.9	ppm	235536	14	12.566	1592410	40.0
Unknown	13.004	5.8	ppm	228843	14	12.566	1592410	40.0
Alkane	13.069	12.8	ppm	507928	14	12.566	1592410	40.0
Unknown	13.111	7.3	ppm	289518	14	12.566	1592410	40.0
Unknown	13.181	7.8	ppm	308804	14	12.566	1592410	40.0
Unknown	13.298	5.1	ppm	203692	14	12.566	1592410	40.0
Unknown	13.549	10.9	ppm	431847	14	12.566	1592410	40.0
Unknown	13.678	7.1	ppm	282532	14	12.566	1592410	40.0
Oxirane, hexadecyl	13.726	7.1	ppm	283453	14	12.566	1592410	40.0
Dibenz[a,h]anth...	13.971	5.9	ppm	234673	14	12.566	1592410	40.0
Unknown	14.308	5.7	ppm	224860	14	12.566	1592410	40.0

Manual Integrations APPROVED (compounds with "m" flag)
Jacky Takeuchi 12/06/24 23:27

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694145.d
Acq On : 6 Dec 2024 1:30 pm
Operator : kaleigh
Sample : je1536-7 Inst : GCMS4P
Misc : op59876,e4p3703,30.0,,,1,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 06 20:53:39 2024
Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Fri Dec 06 18:18:31 2024
Response via : Initial Calibration

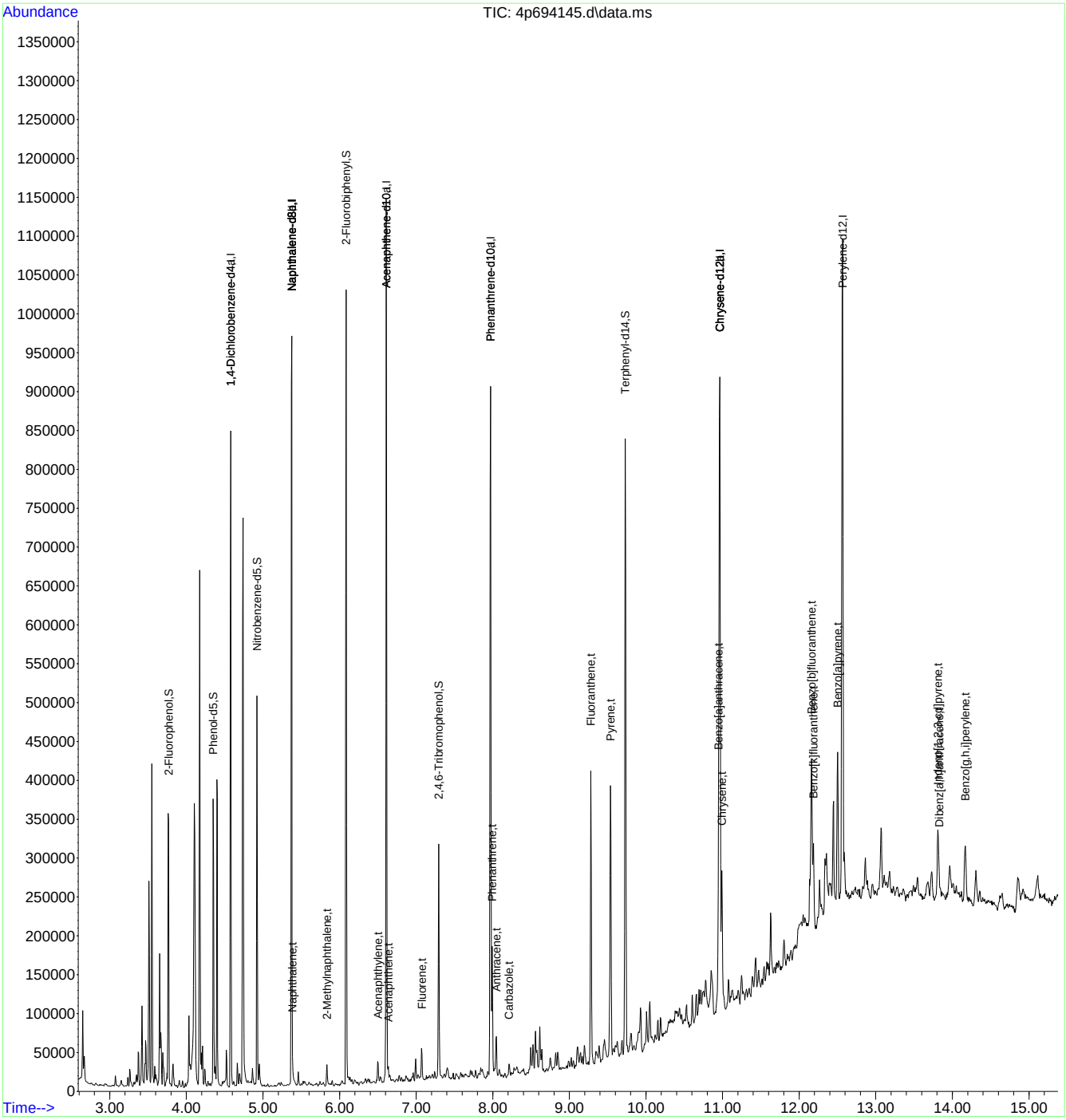
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.580	152	95941	40.00	ppm	0.00
24) Naphthalene-d8	5.376	136	350562	40.00	ppm	0.00
46) Acenaphthene-d10	6.610	164	195642	40.00	ppm	0.00
69) Phenanthrene-d10	7.972	188	311001	40.00	ppm	0.00
84) Chrysene-d12	10.964	240	301808	40.00	ppm	0.00
93) Perylene-d12	12.566	264	340176	40.00	ppm	0.00
103) 1,4-Dichlorobenzene-d4a	4.580	152	95941	40.00	ppm	0.00
105) Acenaphthene-d10a	6.610	164	195642	40.00	ppm	0.00
107) Chrysene-d12a	10.964	240	301808	40.00	ppm	0.00
109) Phenanthrene-d10a	7.972	188	311001	40.00	ppm	0.00
111) Naphthalene-d8a	5.376	136	350562	40.00	ppm	0.00
113) Chrysene-d12b	10.964	240	301808	40.00	ppm	0.00
115) Naphthalene-d8b	5.376	136	350562	40.00	ppm	0.00
118) Naphthalene-d8c	5.376	136	350562	40.00	ppm	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.768	112	78805	29.88	ppm	0.01
Spiked Amount 50.000			Recovery =	59.76%		
8) Phenol-d5	4.350	99	95008	27.38	ppm	0.00
Spiked Amount 50.000			Recovery =	54.76%		
25) Nitrobenzene-d5	4.922	82	106193	34.20	ppm	0.00
Spiked Amount 50.000			Recovery =	68.40%		
51) 2-Fluorobiphenyl	6.086	172	240414	36.09	ppm	0.00
Spiked Amount 50.000			Recovery =	72.18%		
74) 2,4,6-Tribromophenol	7.294	330	26877	34.30	ppm	0.00
Spiked Amount 50.000			Recovery =	68.60%		
87) Terphenyl-d14	9.730	244	266417	35.48	ppm	0.00
Spiked Amount 50.000			Recovery =	70.96%		
108) 1-chlorooctadecane	0.000	57	0d	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
110) o-terphenyl	0.000	230	0	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
38) Naphthalene	5.386	128	3783	0.4127	ppm	92
44) 2-Methylnaphthalene	5.835	141	1267	0.2282	ppm	93
56) Acenaphthylene	6.503	152	11662	1.4622	ppm	99
59) Acenaphthene	6.637	153	3703	0.6076	ppm	97
66) Fluorene	7.075	166	4005	0.6067	ppm	98
78) Phenanthrene	7.994	178	54751	6.2897	ppm	100
79) Anthracene	8.047	178	19119	2.2343	ppm	96
80) Carbazole	8.213	167	4962	0.6314	ppm	91
82) Fluoranthene	9.281	202	148297	15.7093	ppm	99
86) Pyrene	9.537	202	143874	13.5486	ppm	98
89) Benzo[a]anthracene	10.948	228	78375	7.9870	ppm	95
91) Chrysene	10.991	228	77289	8.1694	ppm	97
95) Benzo[b]fluoranthene	12.160	252	108800m	10.3326	ppm	
96) Benzo[k]fluoranthene	12.187	252	39131m	3.9193	ppm	
97) Benzo[a]pyrene	12.502	252	80822	9.0789	ppm	96
98) Indeno[1,2,3-cd]pyrene	13.811	276	53508	4.5141	ppm	94
100) Dibenz[a,h]anthracene	13.827	278	14195	1.4766	ppm	97
102) Benzo[g,h,i]perylene	14.169	276	49942	5.5647	ppm	97

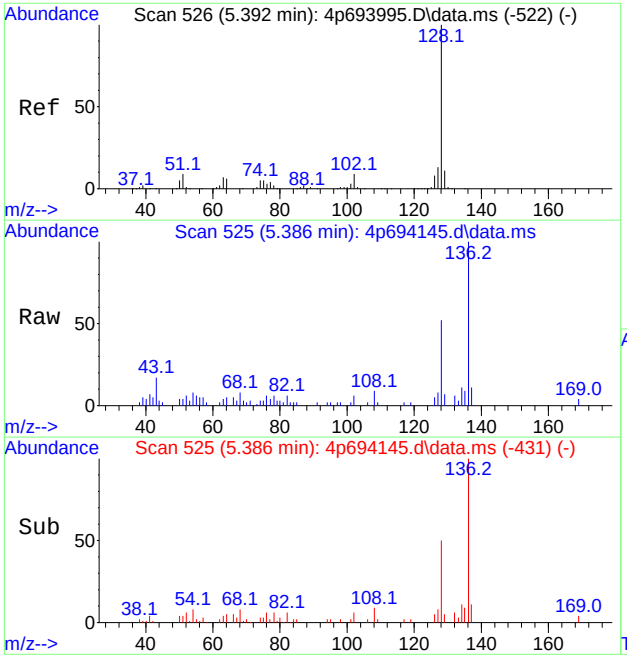
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694145.d
Acq On : 6 Dec 2024 1:30 pm
Operator : kaleigh
Sample : je1536-7 Inst : GCMS4P
Misc : op59876,e4p3703,30.0,,,1,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 06 20:53:39 2024
Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Fri Dec 06 18:18:31 2024
Response via : Initial Calibration

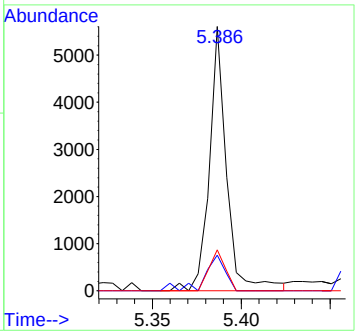


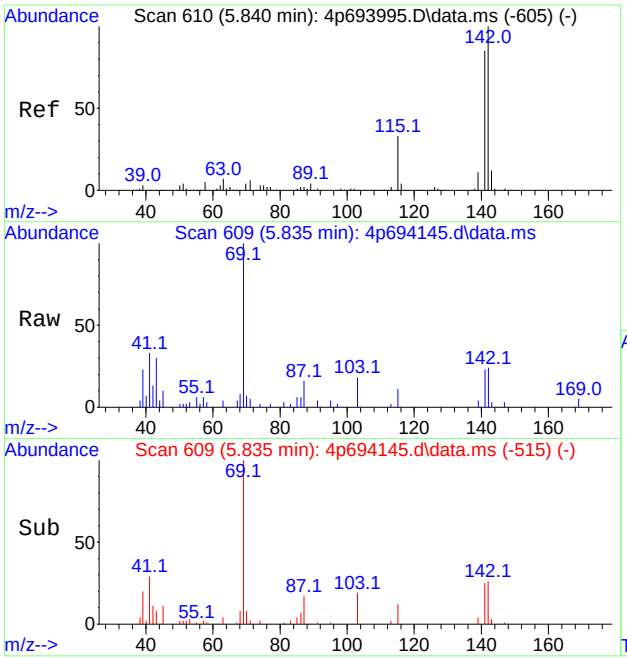


#38
Naphthalene
Concen: 0.4127 ppm
RT: 5.386 min Scan# 525
Delta R.T. -0.000 min
Lab File: 4p694145.d
Acq: 6 Dec 2024 1:30 pm

Tgt Ion:128 Resp: 3783

Ion	Ratio	Lower	Upper
128	100		
129	13.7	0.0	40.8
127	15.7	0.0	42.7

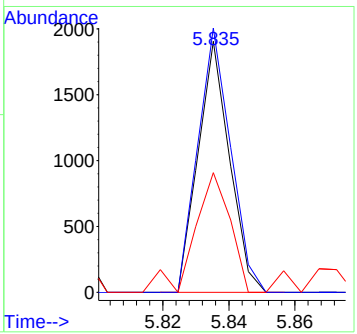


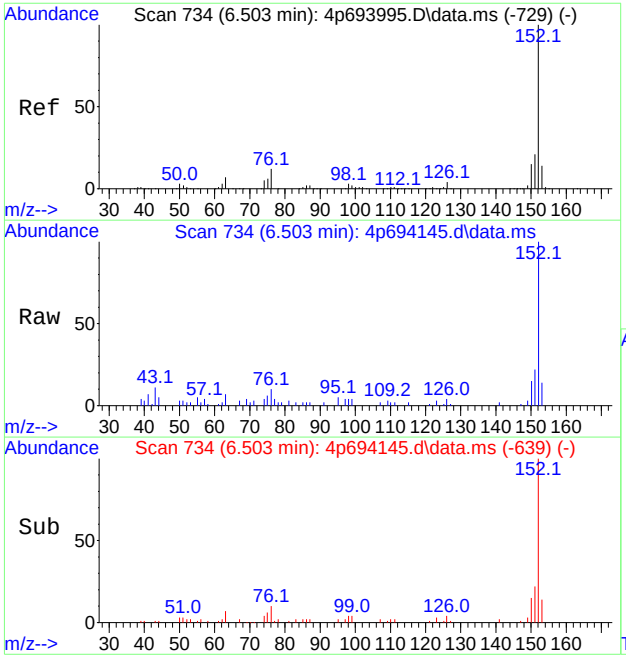


#44
2-Methylnaphthalene
Concen: 0.2282 ppm
RT: 5.835 min Scan# 609
Delta R.T. -0.000 min
Lab File: 4p694145.d
Acq: 6 Dec 2024 1:30 pm

Tgt Ion:141 Resp: 1267

Ion	Ratio	Lower	Upper
141	100		
142	105.2	84.2	144.2
115	38.8	7.8	67.8

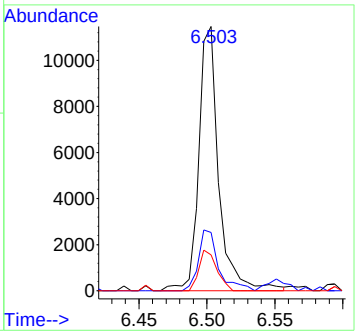


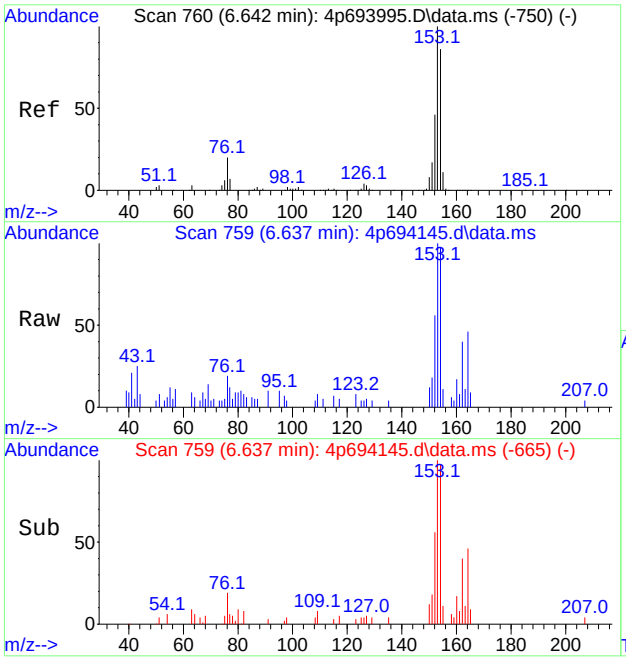


#56
Acenaphthylene
Concen: 1.4622 ppm
RT: 6.503 min Scan# 734
Delta R.T. 0.005 min
Lab File: 4p694145.d
Acq: 6 Dec 2024 1:30 pm

Tgt Ion:152 Resp: 11662

Ion	Ratio	Lower	Upper
152	100		
151	20.8	0.0	51.0
153	13.7	0.0	44.1

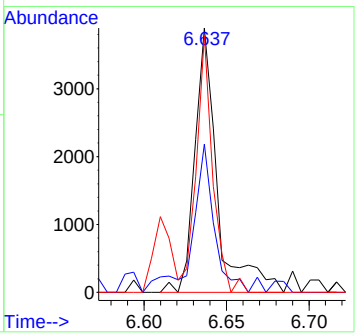


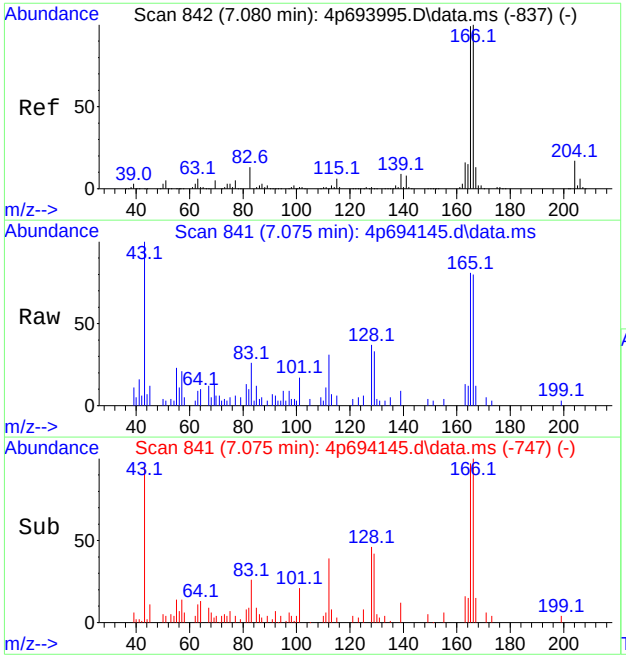


#59
Acenaphthene
Concen: 0.6076 ppm
RT: 6.637 min Scan# 759
Delta R.T. -0.000 min
Lab File: 4p694145.d
Acq: 6 Dec 2024 1:30 pm

Tgt Ion:153 Resp: 3703

Ion	Ratio	Lower	Upper
153	100		
152	51.1	17.0	77.0
154	82.9	51.7	111.7

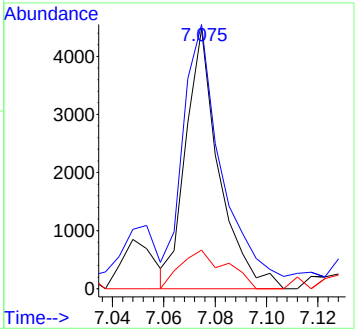


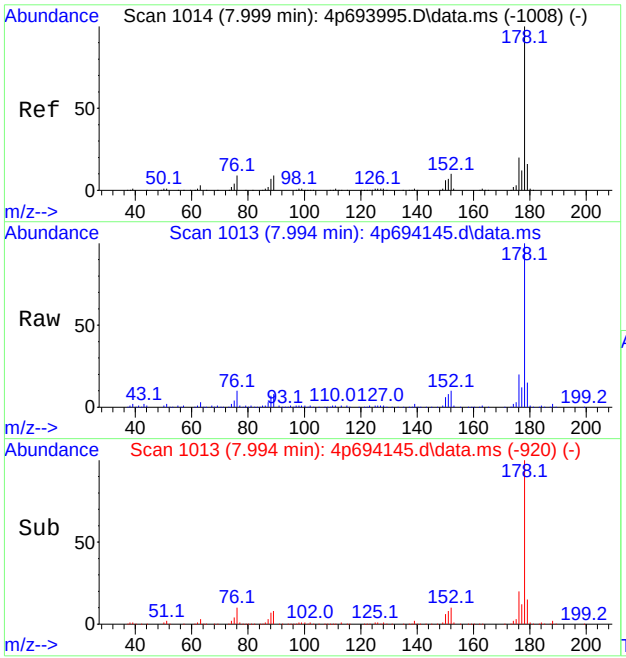


#66
Fluorene
Concen: 0.6067 ppm
RT: 7.075 min Scan# 841
Delta R.T. -0.000 min
Lab File: 4p694145.d
Acq: 6 Dec 2024 1:30 pm

Tgt Ion:166 Resp: 4005

Ion	Ratio	Lower	Upper
166	100		
165	98.1	70.1	130.1
167	15.5	0.0	43.7

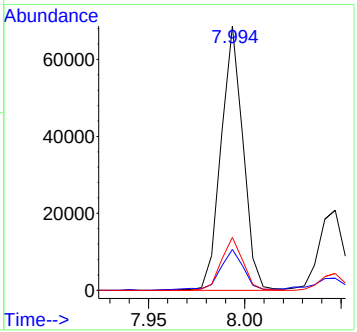


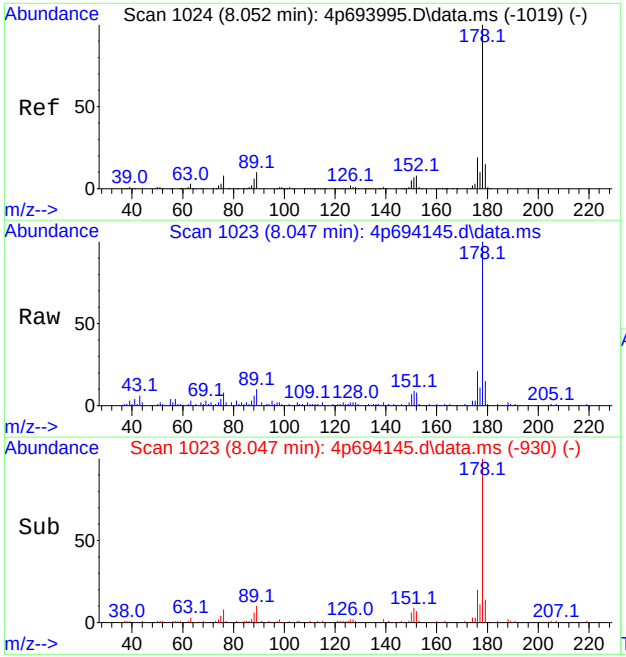


#78
Phenanthrene
Concen: 6.2897 ppm
RT: 7.994 min Scan# 1013
Delta R.T. -0.005 min
Lab File: 4p694145.d
Acq: 6 Dec 2024 1:30 pm

Tgt Ion:178 Resp: 54751

Ion	Ratio	Lower	Upper
178	100		
179	15.1	0.0	45.1
176	20.1	0.0	49.7

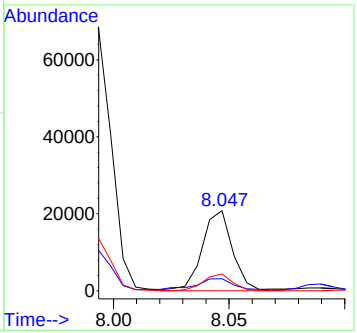


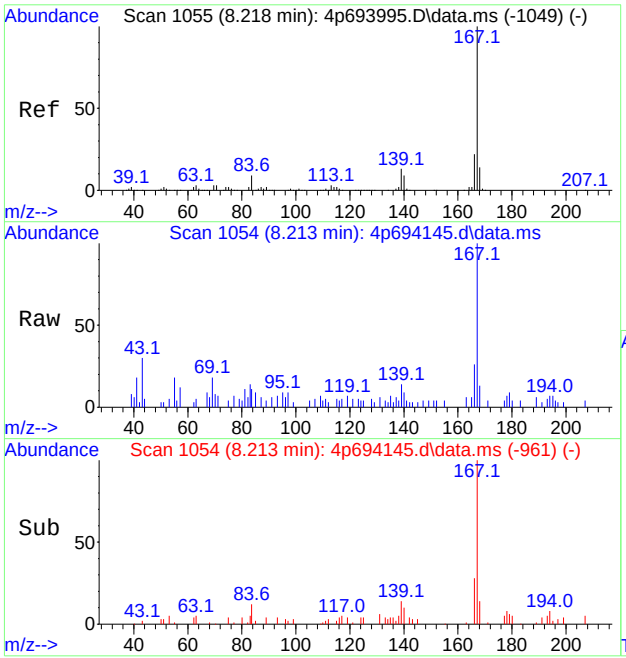


#79
Anthracene
Concen: 2.2343 ppm
RT: 8.047 min Scan# 1023
Delta R.T. -0.005 min
Lab File: 4p694145.d
Acq: 6 Dec 2024 1:30 pm

Tgt Ion:178 Resp: 19119

Ion	Ratio	Lower	Upper
178	100		
179	13.9	0.0	45.3
176	21.5	0.0	49.3

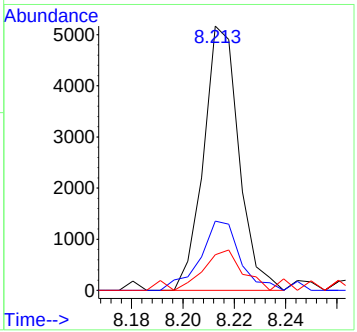


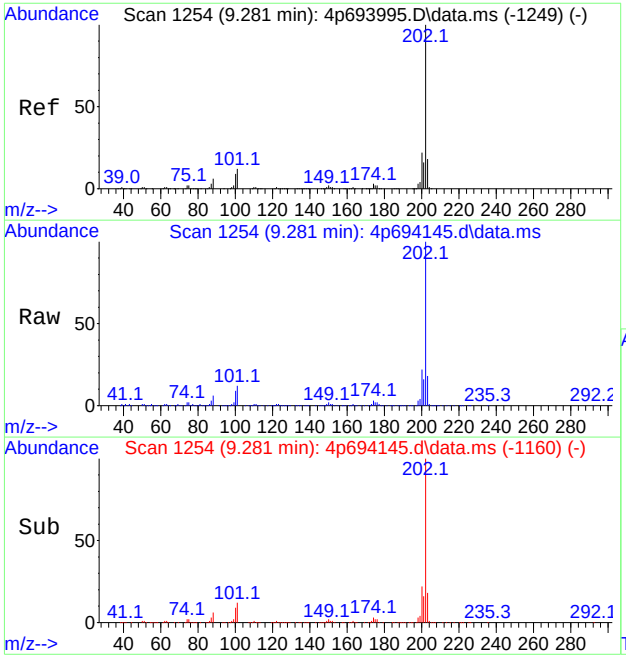


#80
Carbazole
Concen: 0.6314 ppm
RT: 8.213 min Scan# 1054
Delta R.T. -0.005 min
Lab File: 4p694145.d
Acq: 6 Dec 2024 1:30 pm

Tgt Ion:167 Resp: 4962

Ion	Ratio	Lower	Upper
167	100		
166	26.2	0.0	51.7
139	9.4	0.0	42.5

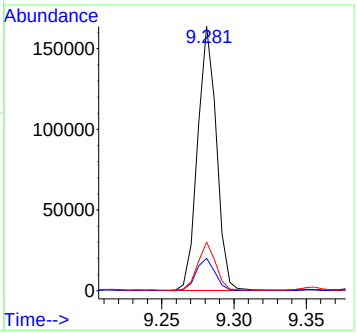


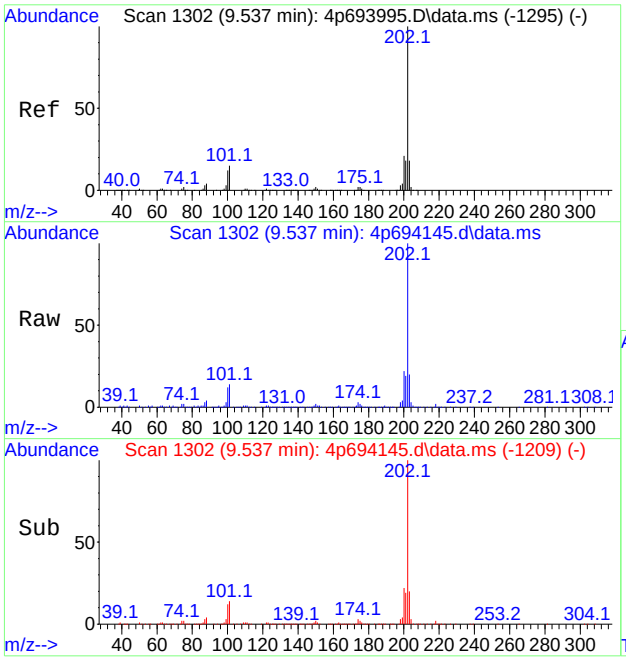


#82
Fluoranthene
Concen: 15.7093 ppm
RT: 9.281 min Scan# 1254
Delta R.T. -0.000 min
Lab File: 4p694145.d
Acq: 6 Dec 2024 1:30 pm

Tgt Ion:202 Resp: 148297

Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	43.3
203	18.2	0.0	48.2

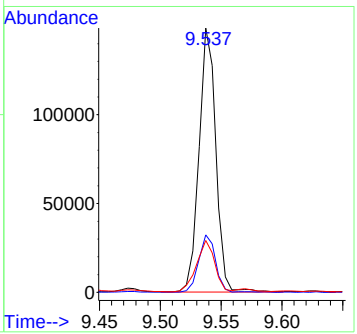


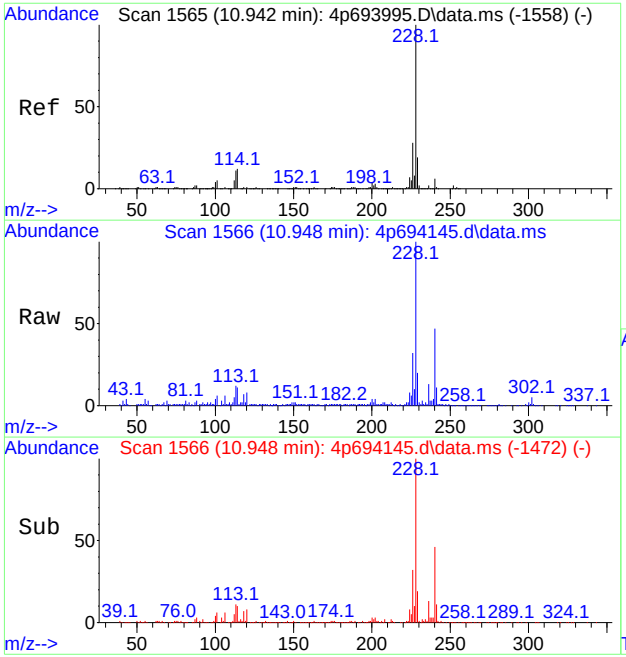


#86
Pyrene
Concen: 13.5486 ppm
RT: 9.537 min Scan# 1302
Delta R.T. -0.005 min
Lab File: 4p694145.d
Acq: 6 Dec 2024 1:30 pm

Tgt Ion:202 Resp: 143874

Ion	Ratio	Lower	Upper
202	100		
200	21.7	0.0	52.1
203	19.3	0.0	47.5

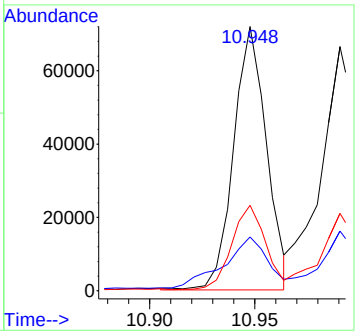


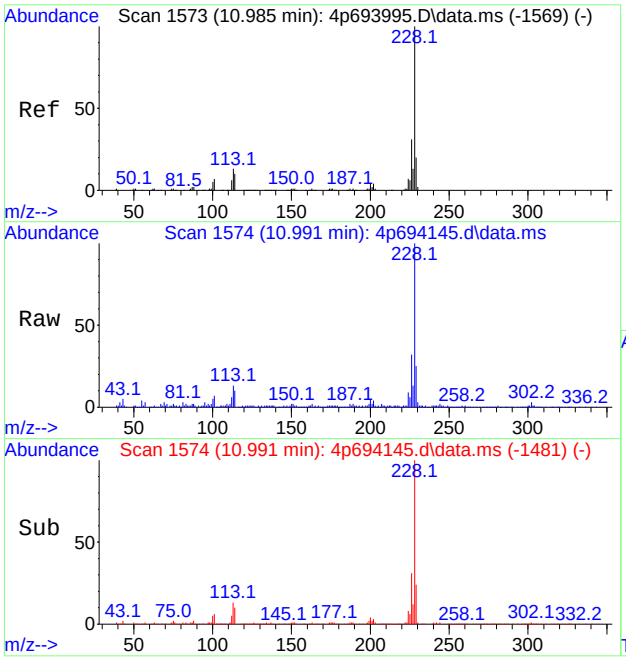


#89
Benzo[a]anthracene
Concen: 7.9870 ppm
RT: 10.948 min Scan# 1566
Delta R.T. -0.000 min
Lab File: 4p694145.d
Acq: 6 Dec 2024 1:30 pm

Tgt Ion:228 Resp: 78375

Ion	Ratio	Lower	Upper
228	100		
229	19.0	0.0	49.7
226	32.3	0.0	58.6

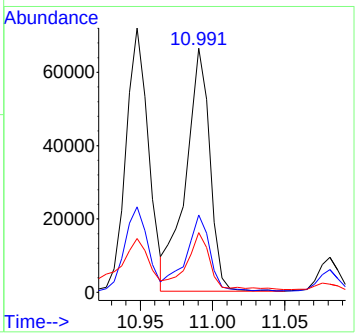


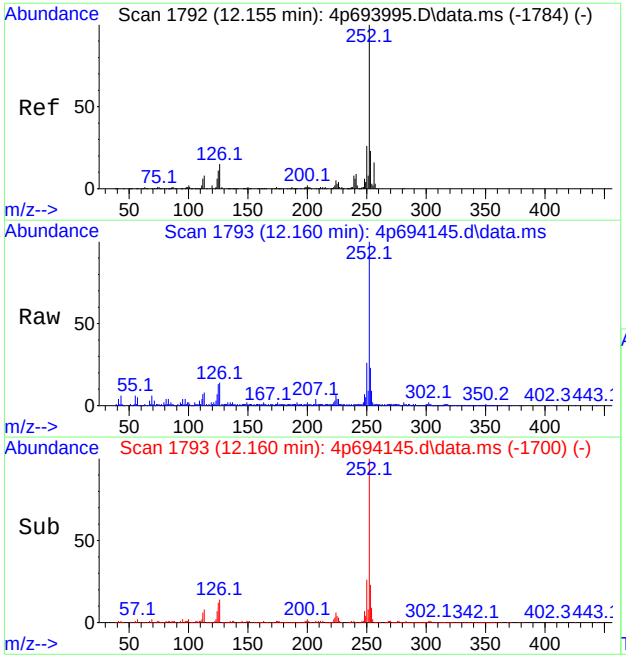


#91
Chrysene
Concen: 8.1694 ppm
RT: 10.991 min Scan# 1574
Delta R.T. -0.005 min
Lab File: 4p694145.d
Acq: 6 Dec 2024 1:30 pm

Tgt Ion:228 Resp: 77289

Ion	Ratio	Lower	Upper
228	100		
226	31.6	1.6	61.6
229	23.3	0.0	50.0

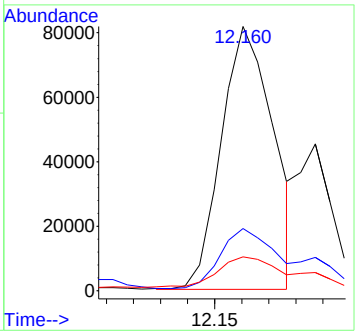


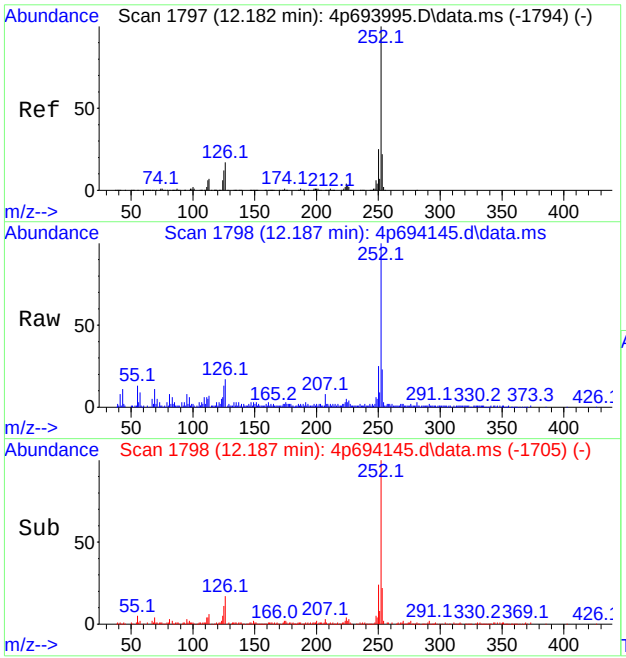


#95
Benzo[b]fluoranthene
Concen: 10.3326 ppm m
RT: 12.160 min Scan# 1793
Delta R.T. -0.005 min
Lab File: 4p694145.d
Acq: 6 Dec 2024 1:30 pm

Tgt Ion:252 Resp: 108800

Ion	Ratio	Lower	Upper
252	100		
253	23.5	0.0	52.2
125	12.9	0.0	41.9

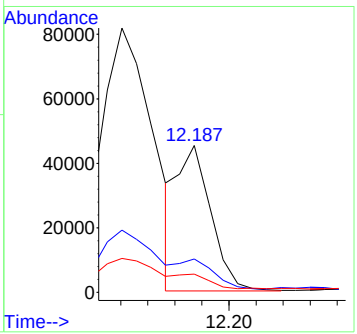


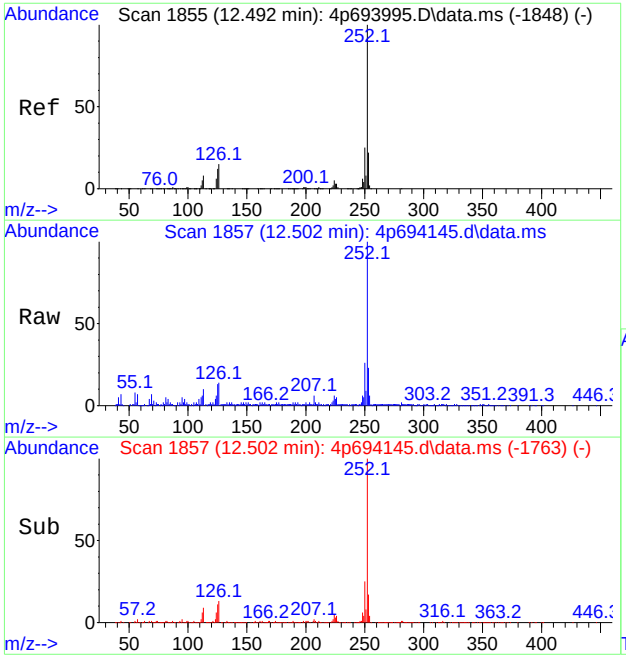


#96
Benzo[k]fluoranthene
Concen: 3.9193 ppm m
RT: 12.187 min Scan# 1798
Delta R.T. -0.005 min
Lab File: 4p694145.d
Acq: 6 Dec 2024 1:30 pm

Tgt Ion:252 Resp: 39131

Ion	Ratio	Lower	Upper
252	100		
253	22.6	0.0	51.9
125	12.5	0.0	41.8

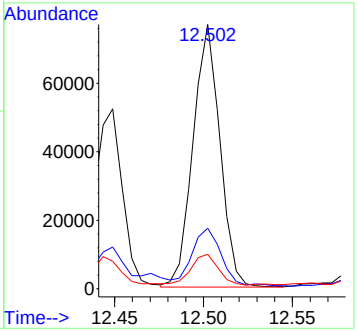


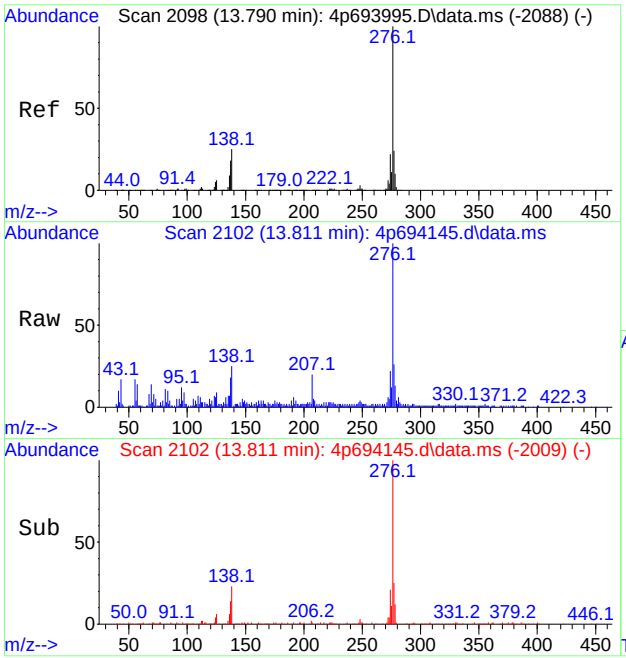


#97
Benzo[a]pyrene
Concen: 9.0789 ppm
RT: 12.502 min Scan# 1857
Delta R.T. -0.000 min
Lab File: 4p694145.d
Acq: 6 Dec 2024 1:30 pm

Tgt Ion:252 Resp: 80822

Ion	Ratio	Lower	Upper
252	100		
253	20.5	0.0	52.0
125	11.4	0.0	43.3

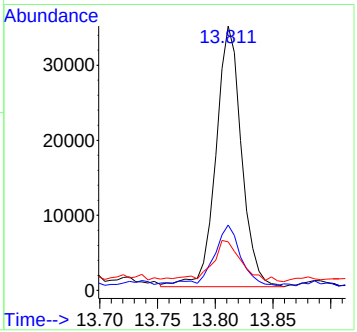


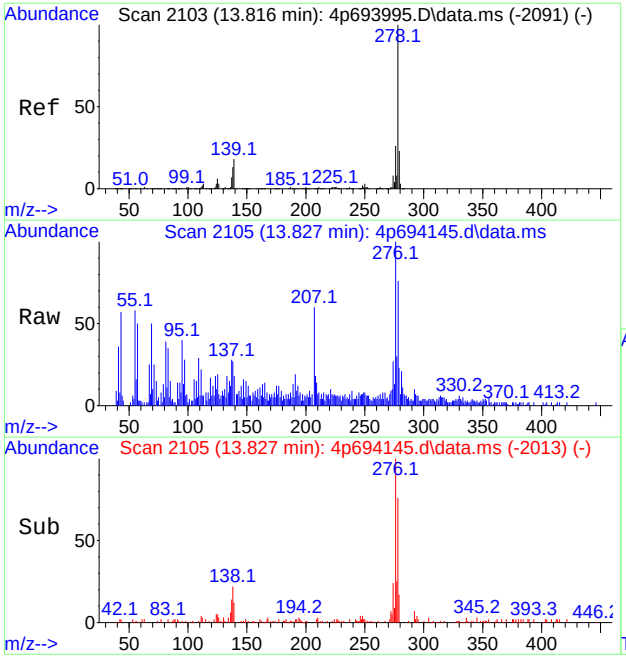


#98
Indeno[1,2,3-cd]pyrene
Concen: 4.5141 ppm
RT: 13.811 min Scan# 2102
Delta R.T. -0.005 min
Lab File: 4p694145.d
Acq: 6 Dec 2024 1:30 pm

Tgt Ion:276 Resp: 53508

Ion	Ratio	Lower	Upper
276	100		
138	22.5	0.0	55.0
137	14.8	0.0	47.6

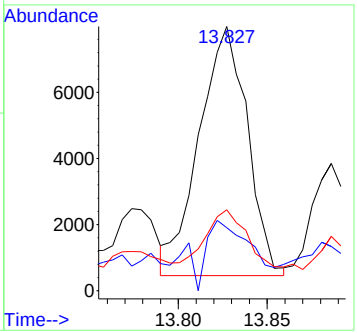


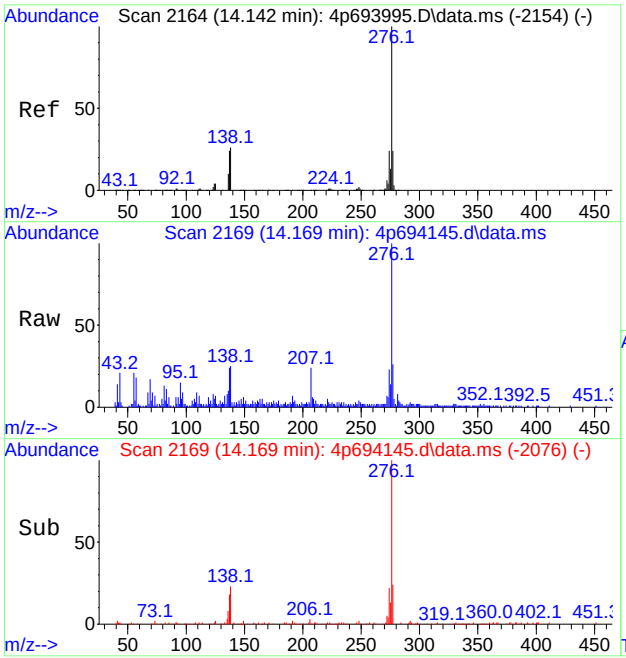


#100
Dibenz[a,h]anthracene
Concen: 1.4766 ppm
RT: 13.827 min Scan# 2105
Delta R.T. -0.011 min
Lab File: 4p694145.d
Acq: 6 Dec 2024 1:30 pm

Tgt Ion:278 Resp: 14195

Ion	Ratio	Lower	Upper
278	100		
139	15.8	0.0	48.0
279	23.1	0.0	52.2

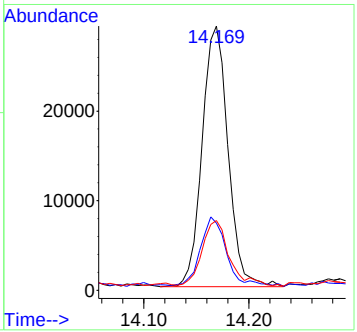




#102
Benzo[g,h,i]perylene
Concen: 5.5647 ppm
RT: 14.169 min Scan# 2169
Delta R.T. -0.005 min
Lab File: 4p694145.d
Acq: 6 Dec 2024 1:30 pm

Tgt Ion:276 Resp: 49942

Ion	Ratio	Lower	Upper
276	100		
138	24.0	0.0	55.7
277	24.6	0.0	53.4



LSC Area Percent Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694145.d
Acq On : 6 Dec 2024 1:30 pm
Operator : kaleigh
Sample : je1536-7
Misc : op59876,e4p3703,30.0,,,1,1
ALS Vial : 12 Sample Multiplier: 1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.02 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 7

Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

Signal : TIC: 4p694145.d\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.376	515	523	536	rVB	963452	728912	65.16%	5.571%
2	5.835	604	609	614	rBV	27929	25696	2.30%	0.196%
3	6.086	652	656	663	rBV	1021369	686722	61.39%	5.249%
4	6.498	728	733	737	rBV	28127	29088	2.60%	0.222%
5	6.610	744	754	767	rBV	1136659	852930	76.25%	6.519%
6	6.995	823	826	829	rBV	28848	24548	2.19%	0.188%
7	7.069	835	840	847	rVB2	40951	39778	3.56%	0.304%
8	7.294	876	882	892	rBV	301902	254739	22.77%	1.947%
9	7.406	898	903	911	rVB6	14627	27101	2.42%	0.207%
10	7.972	1004	1009	1012	rBV	885691	809580	72.37%	6.188%
11	7.994	1012	1013	1017	rVB	160149	84067	7.52%	0.643%
12	8.047	1017	1023	1027	rVB	49907	53494	4.78%	0.409%
13	8.213	1047	1054	1058	rBV	18095	27041	2.42%	0.207%
14	8.496	1101	1107	1110	rBV	33606	40069	3.58%	0.306%
15	8.528	1110	1113	1116	rVB	30747	29600	2.65%	0.226%
16	8.560	1116	1119	1126	rBV3	48137	65254	5.83%	0.499%
17	8.613	1126	1129	1132	rBV	52700	51124	4.57%	0.391%
18	8.640	1132	1134	1141	rVB2	29606	26040	2.33%	0.199%
19	8.752	1149	1155	1160	rBV10	17386	25667	2.29%	0.196%
20	8.822	1160	1168	1170	rBV2	22276	25851	2.31%	0.198%
21	8.848	1170	1173	1177	rVB3	22560	24185	2.16%	0.185%
22	9.105	1214	1221	1225	rBV2	28146	43458	3.88%	0.332%
23	9.196	1235	1238	1245	rBV3	24607	28035	2.51%	0.214%
24	9.281	1249	1254	1261	rBV	378201	349537	31.25%	2.672%
25	9.350	1261	1267	1272	rBV7	15578	30210	2.70%	0.231%
26	9.388	1272	1274	1278	rVB	21381	21062	1.88%	0.161%
27	9.457	1278	1287	1294	rBV5	29443	66159	5.91%	0.506%
28	9.537	1294	1302	1306	rBV	349465	369614	33.04%	2.825%
29	9.623	1316	1318	1323	rVB4	19518	22737	2.03%	0.174%
30	9.687	1323	1330	1333	rBV	20938	24869	2.22%	0.190%
31	9.730	1333	1338	1345	rBV	792540	762974	68.21%	5.832%
32	9.805	1345	1352	1356	rBV4	24812	41013	3.67%	0.313%
33	9.927	1363	1375	1380	rVB2	57550	117352	10.49%	0.897%
34	10.008	1380	1390	1394	rBV	52536	78788	7.04%	0.602%
35	10.050	1394	1398	1408	rVB3	53277	69067	6.17%	0.528%
36	10.157	1414	1418	1421	rVB	26614	24579	2.20%	0.188%
37	10.189	1421	1424	1428	rBV	29892	35737	3.19%	0.273%
38	10.296	1439	1444	1446	rBV6	14943	21400	1.91%	0.164%
39	10.382	1455	1460	1462	rBV6	15919	20130	1.80%	0.154%
40	10.531	1483	1488	1495	rVB	29304	45950	4.11%	0.351%

LSC Area Percent Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694145.d
Acq On : 6 Dec 2024 1:30 pm
Operator : kaleigh
Sample : je1536-7
Misc : op59876,e4p3703,30.0,,,1,1
ALS Vial : 12 Sample Multiplier: 1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.02 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 7

Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

41	10.606	1495	1502	1506	rBV5	42073	50944	4.55%	0.389%
42	10.659	1506	1512	1514	rBV2	36903	47125	4.21%	0.360%
43	10.691	1514	1518	1520	rBV	33533	32244	2.88%	0.246%
44	10.750	1525	1529	1532	rBV3	17527	30281	2.71%	0.231%
45	10.777	1532	1534	1541	rVB2	35465	48648	4.35%	0.372%
46	10.852	1541	1548	1555	rVB6	56720	121922	10.90%	0.932%
47	10.964	1555	1569	1572	rBV2	820257	1108690	99.11%	8.474%
48	10.991	1572	1574	1584	rVB	178590	178288	15.94%	1.363%
49	11.076	1584	1590	1594	rBV3	38339	50718	4.53%	0.388%
50	11.129	1594	1600	1605	rBV8	14946	27425	2.45%	0.210%
51	11.204	1611	1614	1618	rVB3	18233	24013	2.15%	0.184%
52	11.247	1618	1622	1630	rBV5	37246	69817	6.24%	0.534%
53	11.391	1645	1649	1652	rBV4	26463	40864	3.65%	0.312%
54	11.434	1652	1657	1660	rVB	37793	44104	3.94%	0.337%
55	11.471	1660	1664	1669	rVB	22372	28200	2.52%	0.216%
56	11.541	1669	1677	1680	rBV5	26732	45041	4.03%	0.344%
57	11.578	1680	1684	1686	rBV3	24643	29749	2.66%	0.227%
58	11.626	1690	1693	1700	rBV3	80765	92031	8.23%	0.703%
59	11.706	1705	1708	1711	rBV5	13850	19465	1.74%	0.149%
60	11.803	1719	1726	1731	rBV6	38994	57827	5.17%	0.442%
61	11.952	1746	1754	1757	rBV10	20018	52846	4.72%	0.404%
62	12.032	1757	1769	1770	rBV9	33917	112947	10.10%	0.863%
63	12.054	1770	1773	1775	rVV4	19158	20860	1.86%	0.159%
64	12.075	1775	1777	1781	rVV5	14322	19591	1.75%	0.150%
65	12.160	1785	1793	1803	rVB	218724	448864	40.13%	3.431%
66	12.267	1803	1813	1821	rBV3	63303	140868	12.59%	1.077%
67	12.358	1822	1830	1835	rVV3	88911	235785	21.08%	1.802%
68	12.396	1835	1837	1843	rVV7	49707	112877	10.09%	0.863%
69	12.449	1843	1847	1852	rVV	153289	210276	18.80%	1.607%
70	12.502	1853	1857	1861	rVV	214897	262467	23.46%	2.006%
71	12.566	1861	1869	1877	rVV	872200	1118611	100.00%	8.550%
72	12.647	1881	1884	1885	rVV3	30511	34426	3.08%	0.263%
73	12.689	1889	1892	1895	rVV5	31277	54289	4.85%	0.415%
74	12.732	1895	1900	1905	rVV9	34916	96390	8.62%	0.737%
75	12.775	1905	1908	1910	rVV4	30921	45425	4.06%	0.347%
76	12.828	1914	1918	1921	rVV6	33095	63445	5.67%	0.485%
77	12.866	1921	1925	1938	rVV8	67502	190595	17.04%	1.457%
78	12.956	1938	1942	1947	rVV8	31974	74978	6.70%	0.573%
79	12.989	1947	1948	1953	rVV5	23273	38525	3.44%	0.294%
80	13.069	1953	1963	1967	rVV2	101300	211471	18.90%	1.616%
81	13.111	1968	1971	1974	rVV5	39572	62787	5.61%	0.480%
82	13.143	1974	1977	1979	rVV4	29581	44391	3.97%	0.339%
83	13.181	1979	1984	1988	rVV8	42196	84538	7.56%	0.646%
84	13.229	1991	1993	1997	rVV5	21432	31740	2.84%	0.243%
85	13.282	1997	2003	2008	rVV9	19115	49581	4.43%	0.379%

LSC Area Percent Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694145.d
Acq On : 6 Dec 2024 1:30 pm
Operator : kaleigh
Sample : je1536-7
Misc : op59876,e4p3703,30.0,,,1,1
ALS Vial : 12 Sample Multiplier: 1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.02 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 7

Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

86	13.357	2014	2017	2023	rVB8	16200	30248	2.70%	0.231%
87	13.459	2030	2036	2039	rVV8	9813	24134	2.16%	0.184%
88	13.544	2047	2052	2058	rVB9	23750	38039	3.40%	0.291%
89	13.683	2069	2078	2082	rBV5	22068	50952	4.55%	0.389%
90	13.731	2082	2087	2093	rVB8	37038	63909	5.71%	0.488%
91	13.811	2094	2102	2110	rBV2	88792	146046	13.06%	1.116%
92	13.966	2121	2131	2136	rBV5	44288	97281	8.70%	0.744%
93	14.009	2137	2139	2143	rVV4	22097	31998	2.86%	0.245%
94	14.052	2143	2147	2151	rVV7	19446	32970	2.95%	0.252%
95	14.169	2164	2169	2176	rVB	71809	117061	10.46%	0.895%
96	14.308	2189	2195	2201	rBV	45744	79551	7.11%	0.608%
97	14.650	2248	2259	2264	rBV	22531	68635	6.14%	0.525%
98	14.853	2291	2297	2304	rBV	45443	116693	10.43%	0.892%
99	14.922	2304	2310	2315	rVV10	15649	40295	3.60%	0.308%
100	15.115	2334	2346	2351	rBV10	32794	75325	6.73%	0.576%

Sum of corrected areas: 13083263

LSC Report - Integrated Chromatogram

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Data File : 4p694145.d
Acq On    :  6 Dec 2024    1:30 pm
Operator  : kaleigh
Sample    : je1536-7
Misc      : op59876,e4p3703,30.0,,,1,1
ALS Vial  : 12   Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title  : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library   : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P
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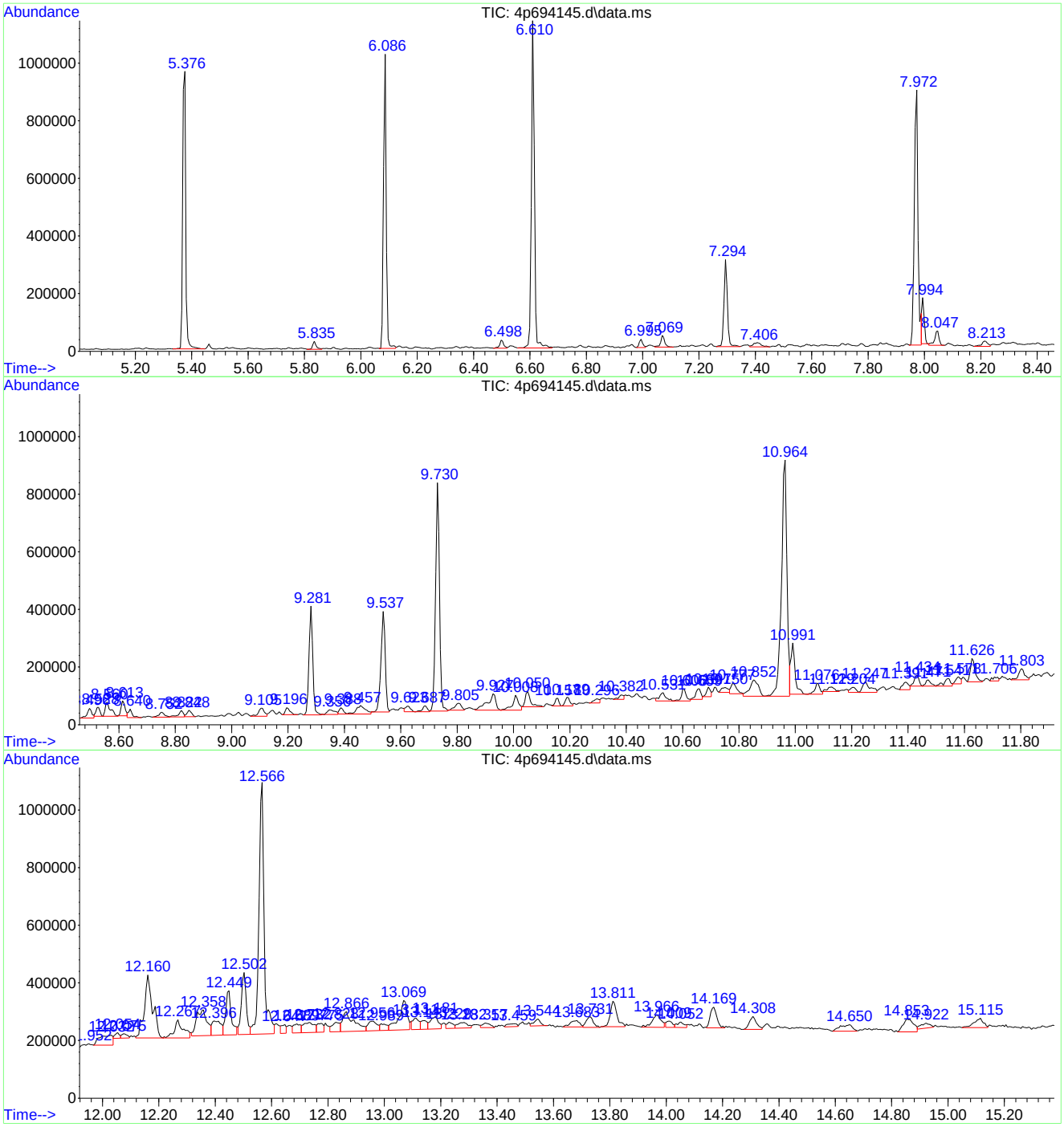

Library Search Compound Report

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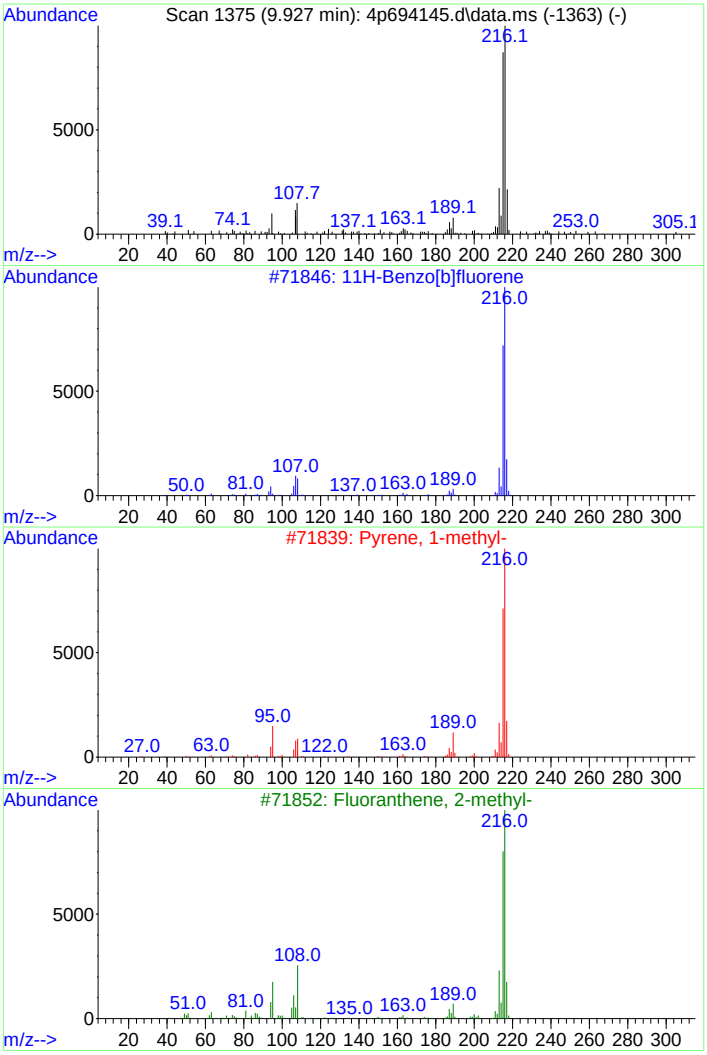
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

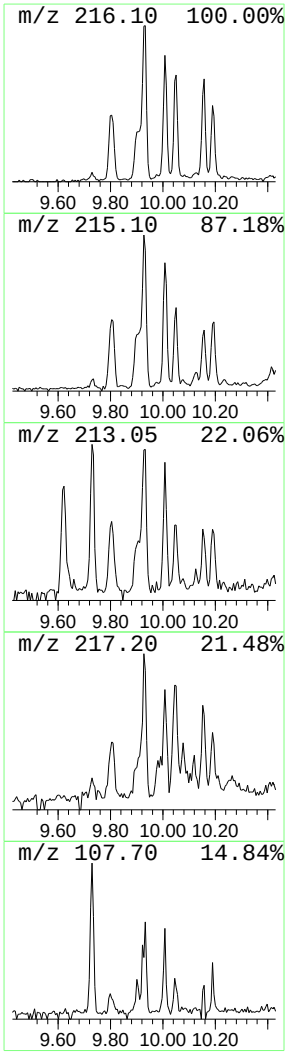
****

Peak Number 1 Pyrene, methyl Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.927	4.23 ppm	117352	Chrysene-d12	10.964

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





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Misc : op59876,e4p3703,30.0,,,1,1
ALS Vial : 12 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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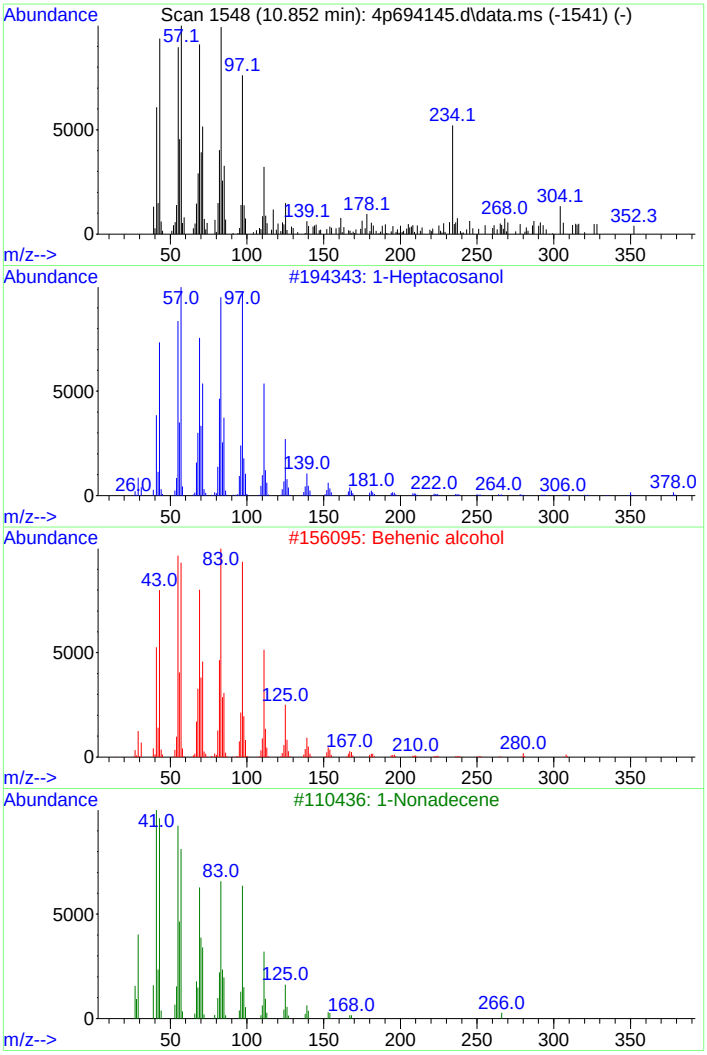
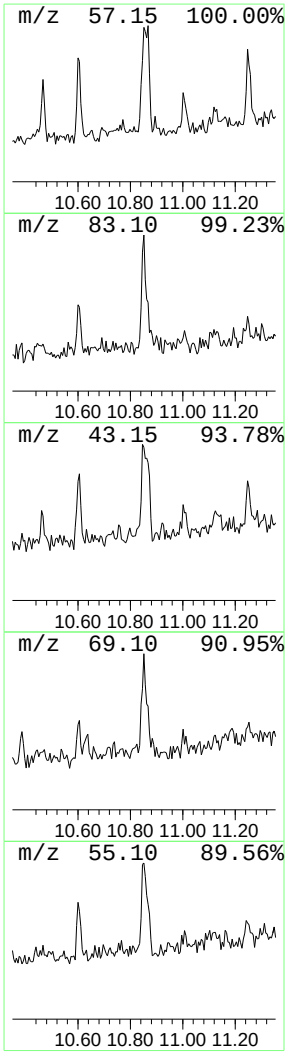
Peak Number 2 Unknown Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.852	4.40 ppm	121922	Chrysene-d12	10.964

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptacosanol	396	C27H56O	002004-39-9	91
2	Behenic alcohol	326	C22H46O	000661-19-8	91
3	1-Nonadecene	266	C19H38	018435-45-5	86
4	Nonadecyl heptafluorobutyrate	480	C23H39F7O2	1000351-83-9	81
5	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	81





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Misc : op59876,e4p3703,30.0,,,1,1
ALS Vial : 12 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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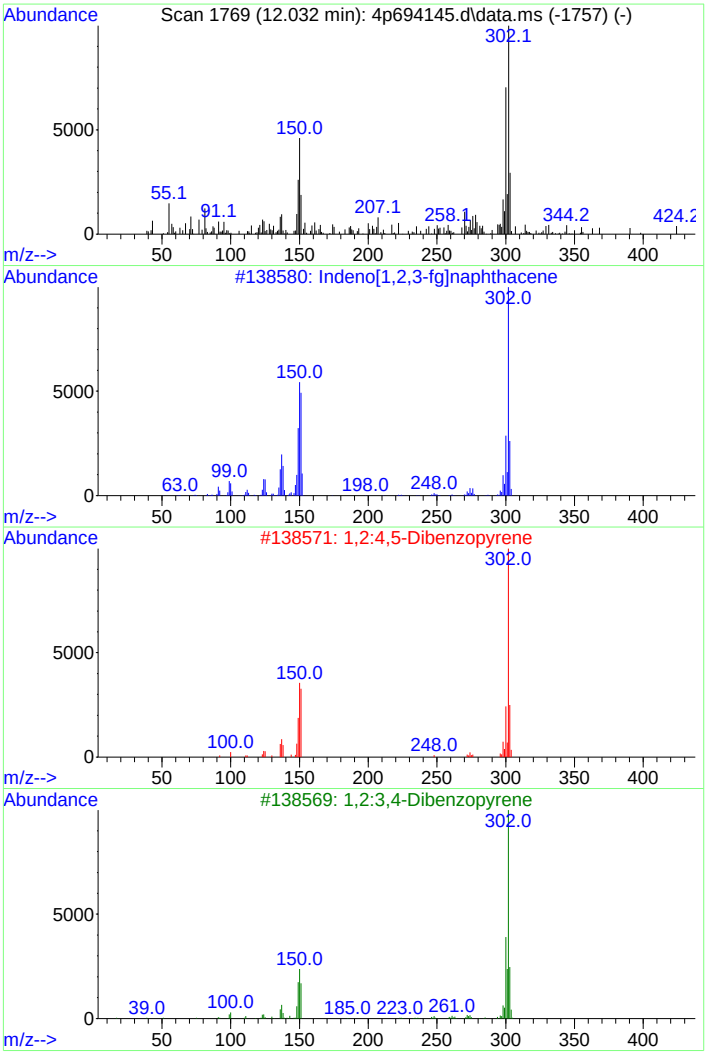
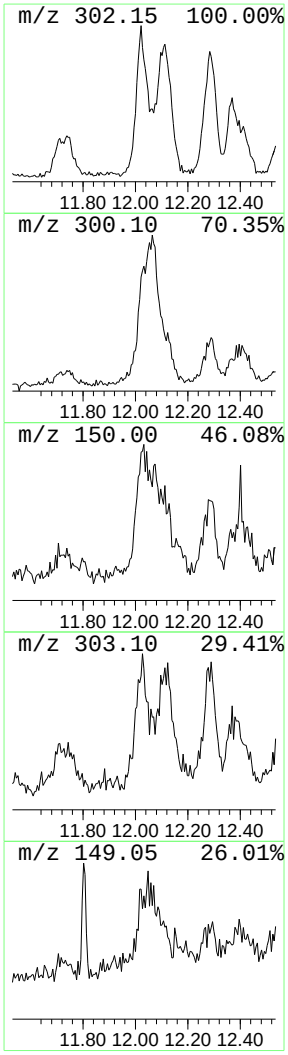
Peak Number 3 Unknown Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.032	4.04 ppm	112947	Perylene-d12	12.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	83
2	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	58
3	1,2:3,4-Dibenzopyrene	302	C24H14	000191-30-0	46
4	Coronene	300	C24H12	000191-07-1	41
5	4'-Bromo-flavone	300	C15H9BrO2	020525-20-6	38





Library Search Compound Report

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Misc : op59876,e4p3703,30.0,,,1,1
ALS Vial : 12 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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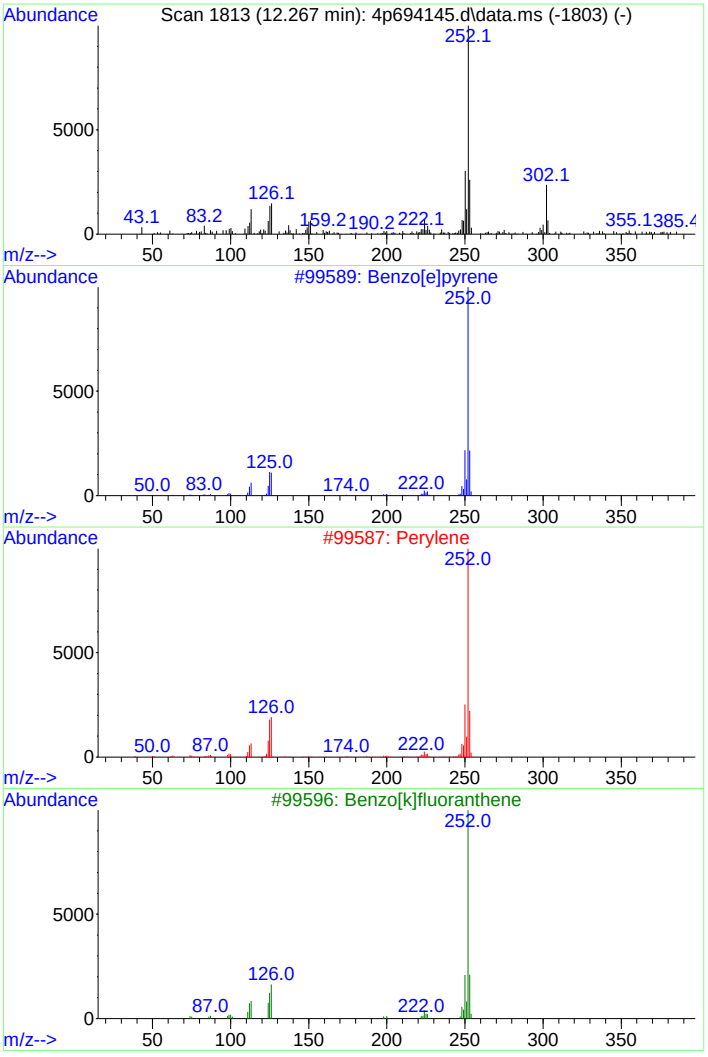
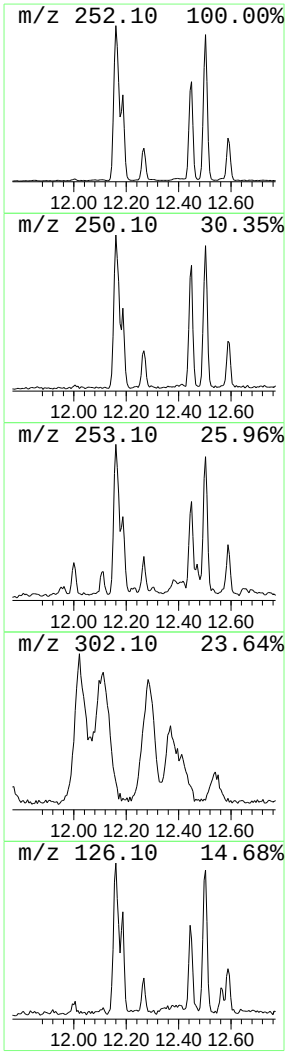
Peak Number 4 Unknown PAH substance Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.267	5.04 ppm	140868	Perylene-d12	12.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Perylene	252	C20H12	000198-55-0	92
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	92
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
5	Perylene	252	C20H12	000198-55-0	83





9.1.14

Library Search Compound Report

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Misc : op59876,e4p3703,30.0,,,1,1
ALS Vial : 12 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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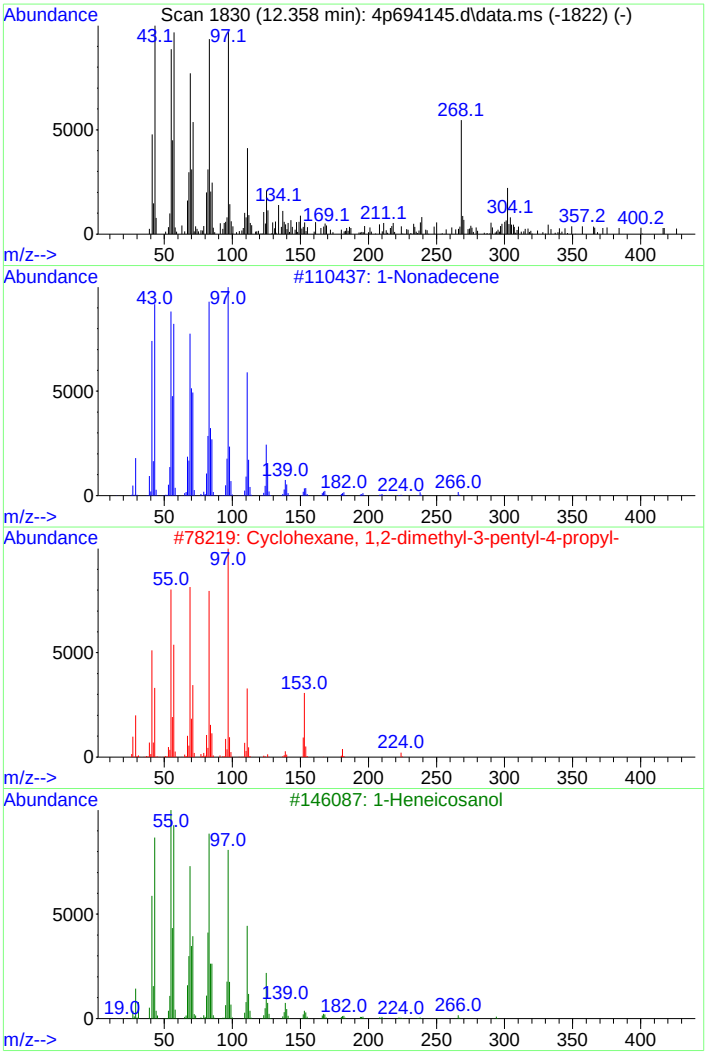
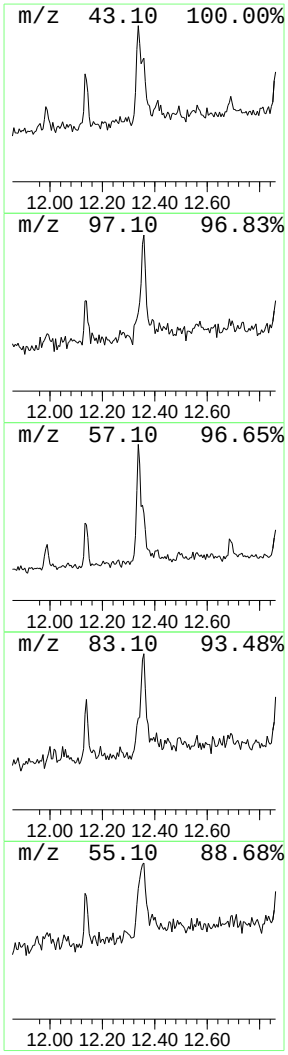
Peak Number 5 Unknown Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.358	8.43 ppm	235785	Perylene-d12	12.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Nonadecene	266	C19H38	018435-45-5	93
2	Cyclohexane, 1,2-dimethyl-3-pent...	224	C16H32	062376-17-4	89
3	1-Heneicosanol	312	C21H44O	015594-90-8	68
4	n-Tetracosanol-1	354	C24H50O	000506-51-4	64
5	3-Eicosene, (E)-	280	C20H40	074685-33-9	50





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Sample : je1536-7
Misc : op59876,e4p3703,30.0,,,1,1
ALS Vial : 12 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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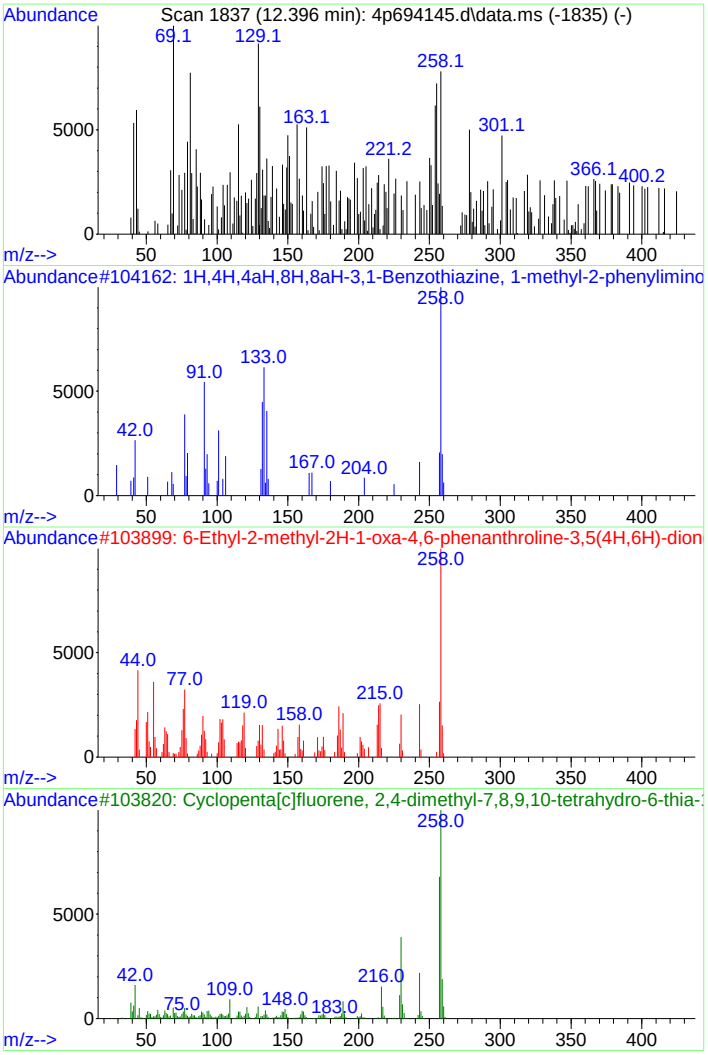
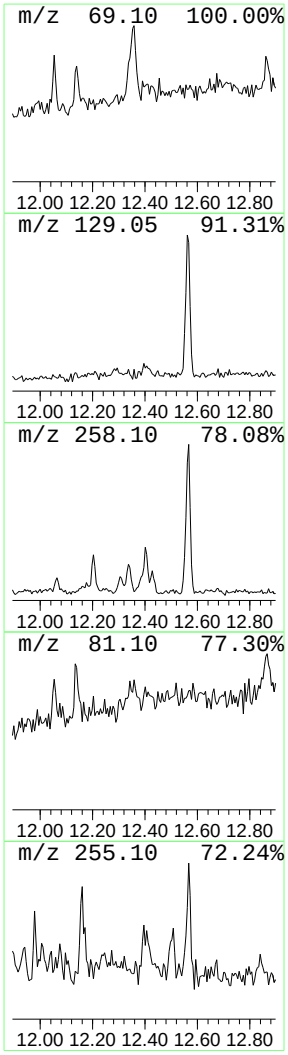
Peak Number 6 Unknown Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.396	4.04 ppm	112877	Perylene-d12	12.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H,4H,4aH,8H,8aH-3,1-Benzothiazi...	258	C15H18N2S	1000139-29-6	35
2	6-Ethyl-2-methyl-2H-1-oxa-4,6-ph...	258	C14H14N2O3	334023-40-4	20
3	Cyclopenta[c]fluorene, 2,4-dimet...	258	C13H14N4S	1000304-26-5	20
4	Pregn-4-ene-3,11,20-trione, 17,2...	384	C22H29BO5	030888-62-1	20
5	1H,4H,4'H,8H,8'H-3,1-Benzothiazi...	258	C15H18N2S	1000139-29-7	20





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Operator : kaleigh
Sample : je1536-7
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Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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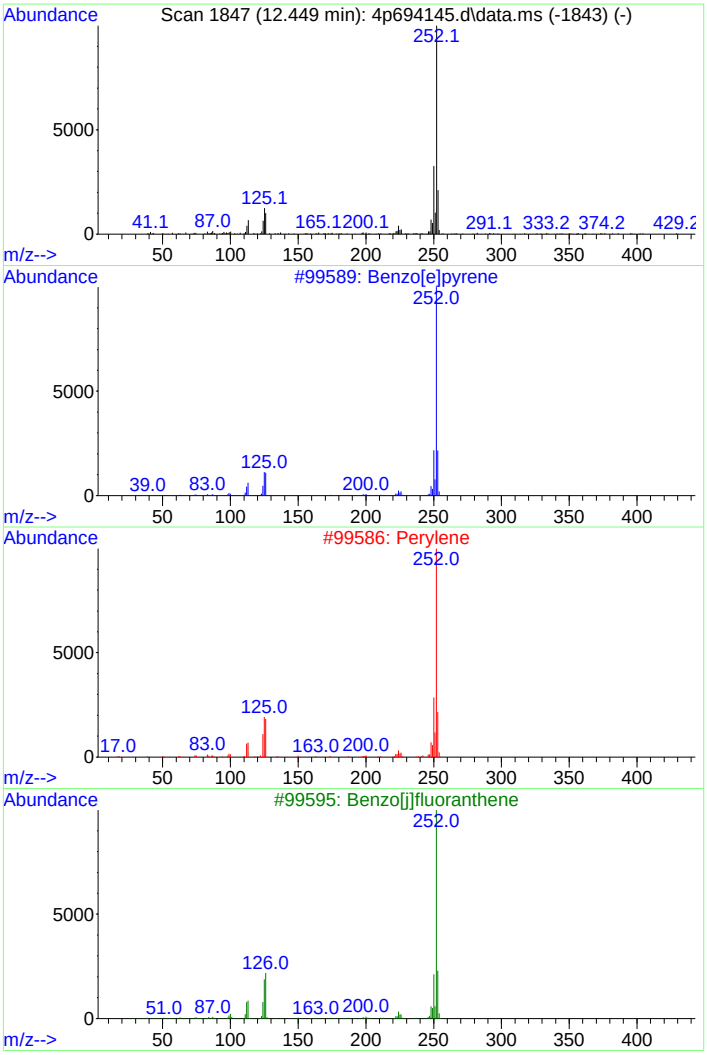
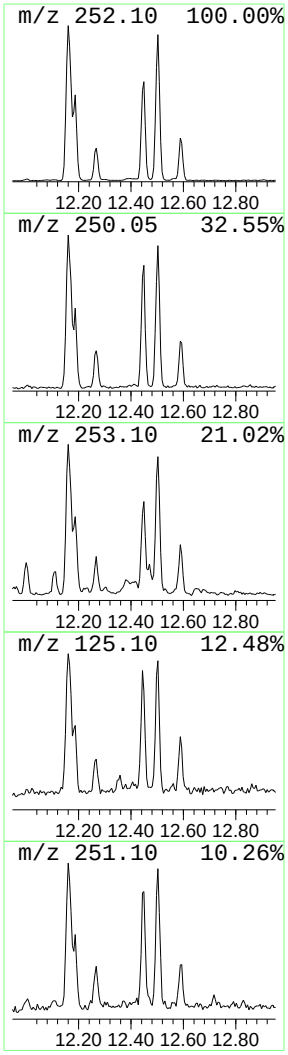
Peak Number 7 Unknown PAH substance Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.449	7.52 ppm	210276	Perylene-d12	12.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Perylene	252	C20H12	000198-55-0	96
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94





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Misc : op59876,e4p3703,30.0,,,1,1
ALS Vial : 12 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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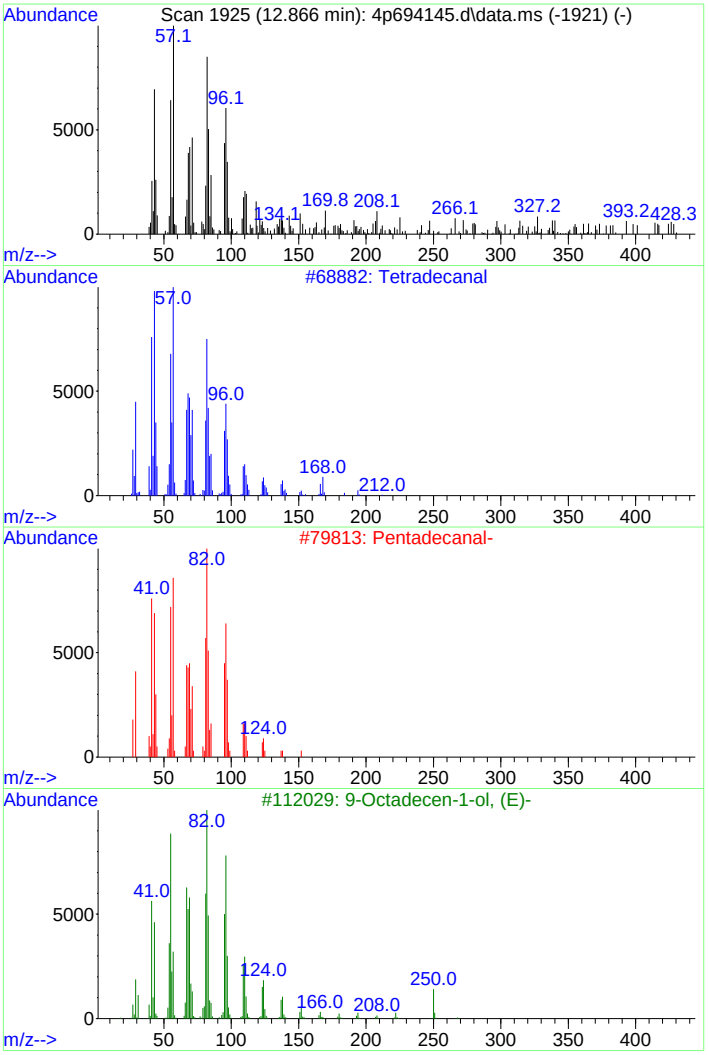
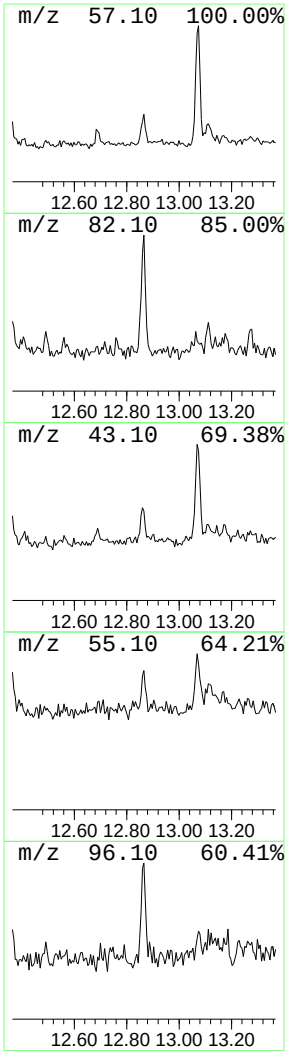
Peak Number 8 Unknown Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.866	6.82 ppm	190595	Perylene-d12	12.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecanal	212	C14H28O	000124-25-4	72
2	Pentadecanal-	226	C15H30O	002765-11-9	72
3	9-Octadecen-1-ol, (E)-	268	C18H36O	000506-42-3	72
4	Tetradecanal	212	C14H28O	000124-25-4	72
5	Octadecanal	268	C18H36O	000638-66-4	64





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ALS Vial : 12 Sample Multiplier: 1

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Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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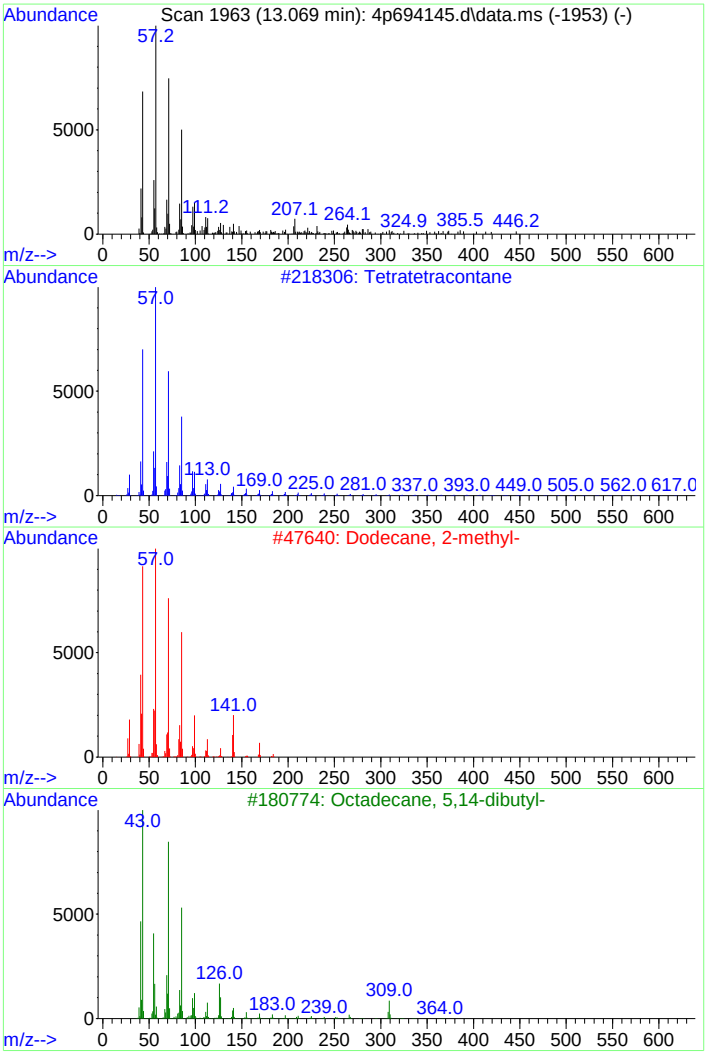
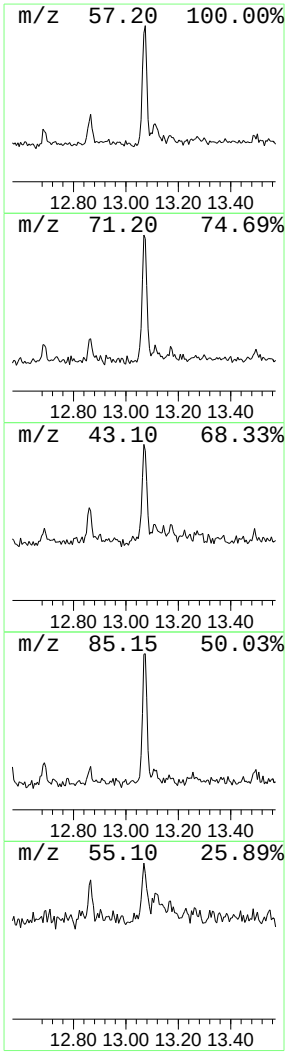
Peak Number 9 Alkane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.069	7.56 ppm	211471	Perylene-d12	12.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetratetracontane	619	C44H90	007098-22-8	81
2	Dodecane, 2-methyl-	184	C13H28	001560-97-0	81
3	Octadecane, 5,14-dibutyl-	366	C26H54	055282-13-8	74
4	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	74
5	Tetracosane	338	C24H50	000646-31-1	74





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Sample    : je1536-7
Misc      : op59876,e4p3703,30.0,,,1,1
ALS Vial  : 12   Sample Multiplier: 1

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Quant Title  : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library   : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

**********************************************************************
Peak Number 10  Unknown                          Concentration Rank  8
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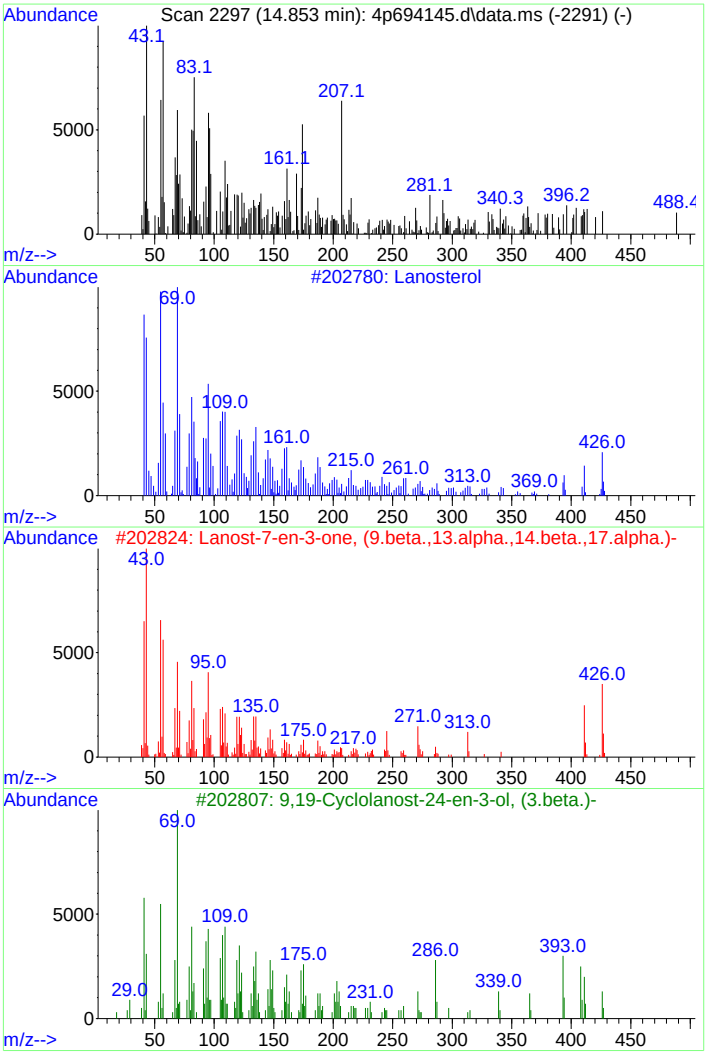
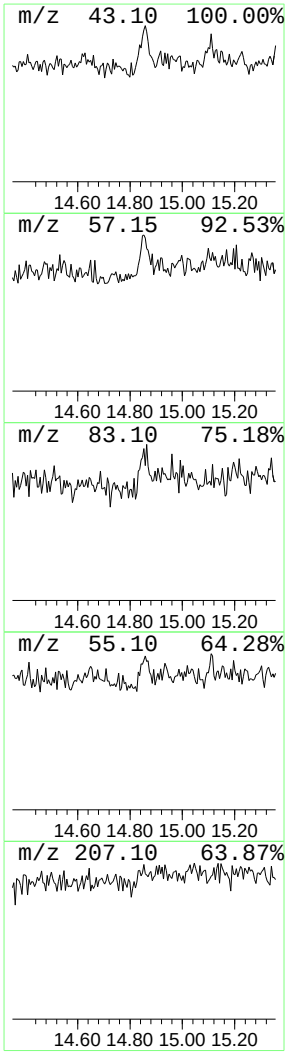
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.853	4.17 ppm	116693	Perylene-d12	12.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Lanosterol	426	C30H50O	000079-63-0	43
2	Lanost-7-en-3-one, (9.beta.,13.a...	426	C30H50O	055515-18-9	15
3	9,19-Cyclolanost-24-en-3-ol, (3....	426	C30H50O	000469-38-5	14
4	D:B-Friedo-18,19-secolup-19-ene,...	426	C30H50O	035060-26-5	11
5	Stigmasta-5,22-diene, 3-methoxy-...	426	C30H50O	010453-25-5	10





Tentatively Identified Compound (LSC) summary

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694145.d
Acq On : 6 Dec 2024 1:30 pm
Operator : kaleigh
Sample : je1536-7
Misc : op59876,e4p3703,30.0,,,1,1
ALS Vial : 12 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Pyrene, methyl	9.927	4.2	ppm	117352	11	10.964	1108690	40.0
Unknown	10.852	4.4	ppm	121922	11	10.964	1108690	40.0
Unknown	12.032	4.0	ppm	112947	14	12.567	1118610	40.0
Unknown PAH sub...	12.267	5.0	ppm	140868	14	12.567	1118610	40.0
Unknown	12.358	8.4	ppm	235785	14	12.567	1118610	40.0
Unknown	12.396	4.0	ppm	112877	14	12.567	1118610	40.0
Unknown PAH sub...	12.449	7.5	ppm	210276	14	12.567	1118610	40.0
Unknown	12.866	6.8	ppm	190595	14	12.567	1118610	40.0
Alkane	13.069	7.6	ppm	211471	14	12.567	1118610	40.0
Unknown	14.853	4.2	ppm	116693	14	12.567	1118610	40.0

Manual Integrations APPROVED (compounds with "m" flag)
Jacky Takeuchi 12/06/24 23:28

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694146.d
Acq On : 6 Dec 2024 1:54 pm
Operator : kaleigh
Sample : je1536-8 Inst : GCMS4P
Misc : op59876,e4p3703,30.02,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 06 20:57:31 2024
Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Fri Dec 06 18:18:31 2024
Response via : Initial Calibration

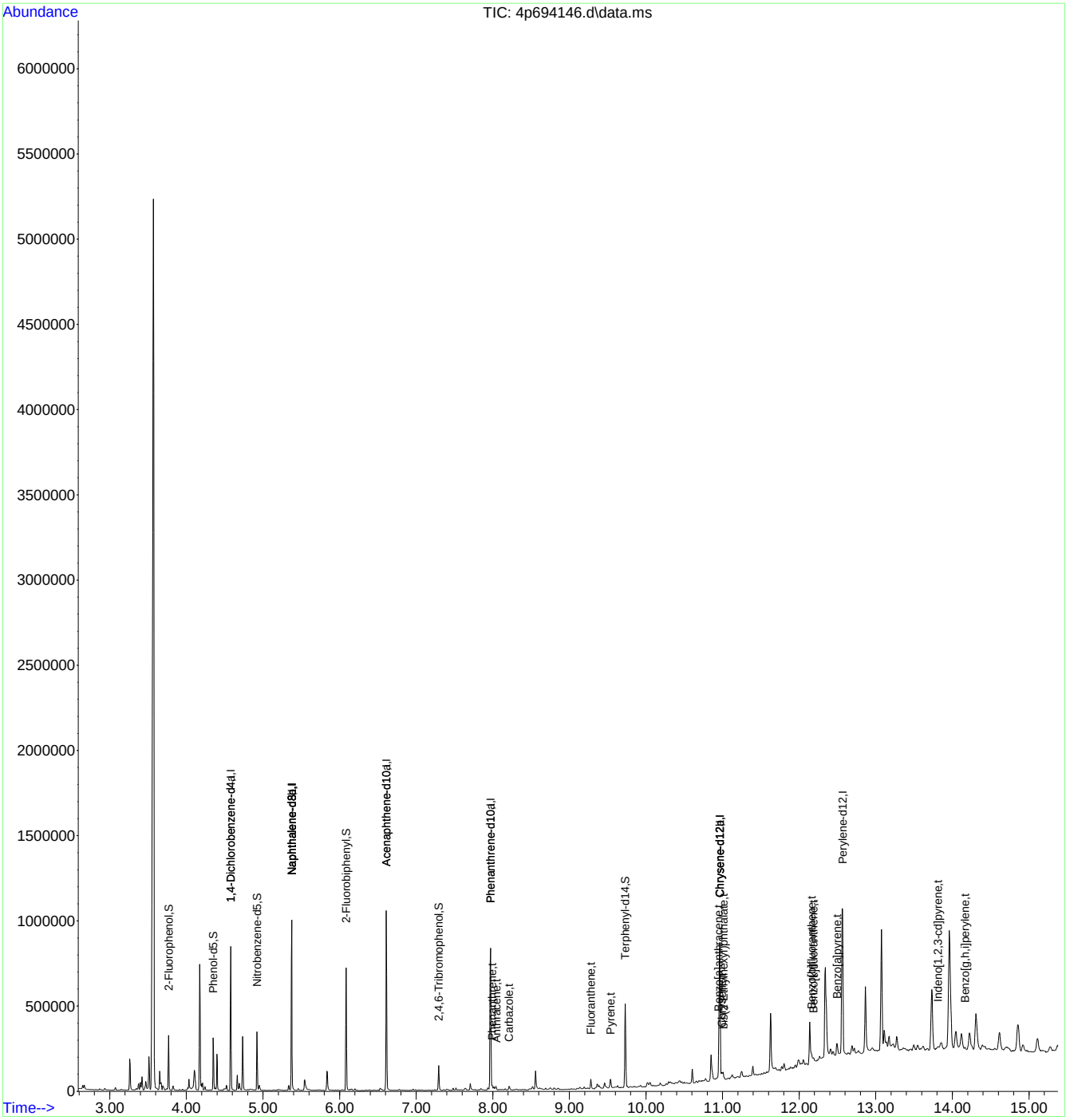
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.580	152	89535	40.00	ppm	0.00
24) Naphthalene-d8	5.376	136	336244	40.00	ppm	0.00
46) Acenaphthene-d10	6.610	164	178753	40.00	ppm	0.00
69) Phenanthrene-d10	7.972	188	294813	40.00	ppm	0.00
84) Chrysene-d12	10.964	240	295367	40.00	ppm	0.00
93) Perylene-d12	12.566	264	352256	40.00	ppm	0.00
103) 1,4-Dichlorobenzene-d4a	4.580	152	89535	40.00	ppm	0.00
105) Acenaphthene-d10a	6.610	164	178753	40.00	ppm	0.00
107) Chrysene-d12a	10.964	240	295367	40.00	ppm	0.00
109) Phenanthrene-d10a	7.972	188	294813	40.00	ppm	0.00
111) Naphthalene-d8a	5.376	136	336244	40.00	ppm	0.00
113) Chrysene-d12b	10.964	240	295367	40.00	ppm	0.00
115) Naphthalene-d8b	5.376	136	336244	40.00	ppm	0.00
118) Naphthalene-d8c	5.376	136	336244	40.00	ppm	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.768	112	58003	23.57	ppm	0.01
Spiked Amount 50.000			Recovery =	47.14%		
8) Phenol-d5	4.350	99	75167	23.22	ppm	0.00
Spiked Amount 50.000			Recovery =	46.44%		
25) Nitrobenzene-d5	4.922	82	72731	24.42	ppm	0.00
Spiked Amount 50.000			Recovery =	48.84%		
51) 2-Fluorobiphenyl	6.086	172	162691	26.73	ppm	0.00
Spiked Amount 50.000			Recovery =	53.46%		
74) 2,4,6-Tribromophenol	7.294	330	13216	17.79	ppm	0.00
Spiked Amount 50.000			Recovery =	35.58%		
87) Terphenyl-d14	9.730	244	159455	21.70	ppm	0.00
Spiked Amount 50.000			Recovery =	43.40%		
108) 1-chlorooctadecane	0.000	57	0d	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
110) o-terphenyl	0.000	230	0	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
78) Phenanthrene	7.993	178	9249	1.1208	ppm	97
79) Anthracene	8.047	178	2309	0.2846	ppm	98
80) Carbazole	8.212	167	3130	0.4201	ppm	95
82) Fluoranthene	9.281	202	23324	2.6064	ppm	98
86) Pyrene	9.537	202	21028	2.0234	ppm	97
89) Benzo[a]anthracene	10.948	228	15324m	1.5957	ppm	
91) Chrysene	10.990	228	16721m	1.8059	ppm	
92) bis(2-Ethylhexyl)phtha...	11.012	149	2309m	0.3775	ppm	
95) Benzo[b]fluoranthene	12.160	252	24164m	2.2161	ppm	
96) Benzo[k]fluoranthene	12.187	252	7907m	0.7648	ppm	
97) Benzo[a]pyrene	12.497	252	13408	1.4545	ppm	97
98) Indeno[1,2,3-cd]pyrene	13.811	276	10067	0.8201	ppm	88
102) Benzo[g,h,i]perylene	14.164	276	9424	1.0141	ppm	97

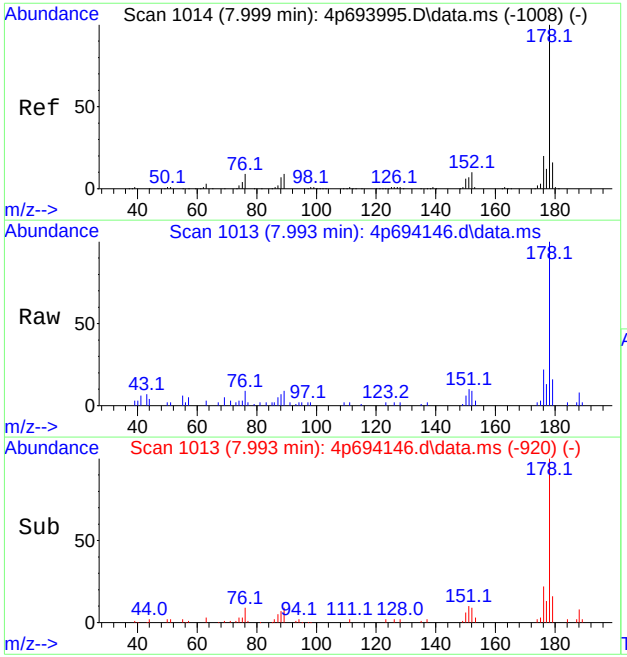
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694146.d
Acq On : 6 Dec 2024 1:54 pm
Operator : kaleigh
Sample : je1536-8 Inst : GCMS4P
Misc : op59876,e4p3703,30.02,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 06 20:57:31 2024
Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Fri Dec 06 18:18:31 2024
Response via : Initial Calibration

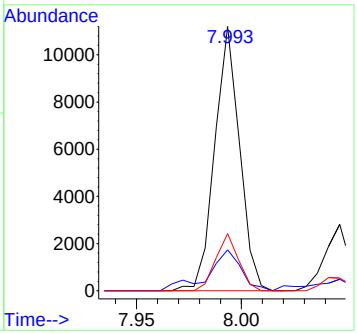


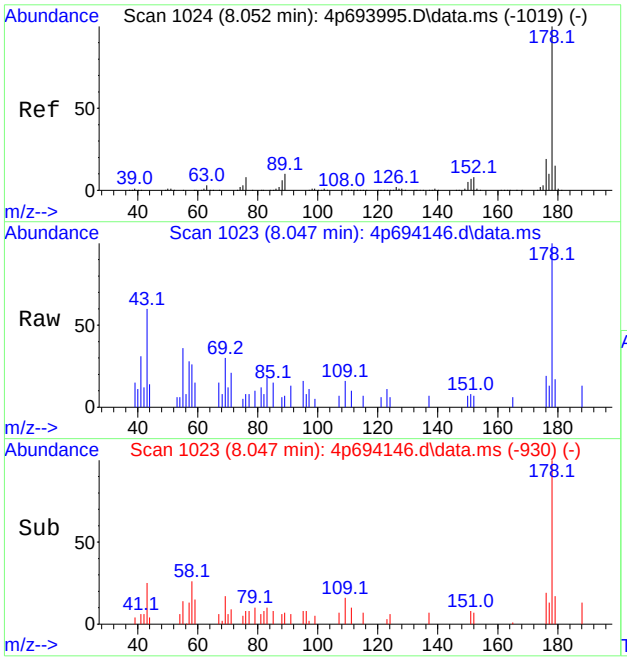


#78
Phenanthrene
Concen: 1.1208 ppm
RT: 7.993 min Scan# 1013
Delta R.T. -0.006 min
Lab File: 4p694146.d
Acq: 6 Dec 2024 1:54 pm

Tgt Ion:178 Resp: 9249

Ion	Ratio	Lower	Upper
178	100		
179	14.5	0.0	45.1
176	21.7	0.0	49.7

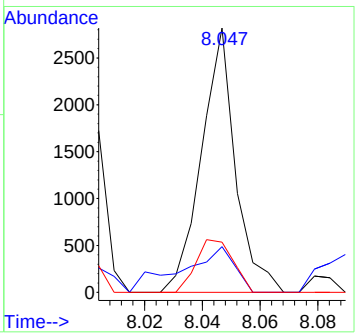


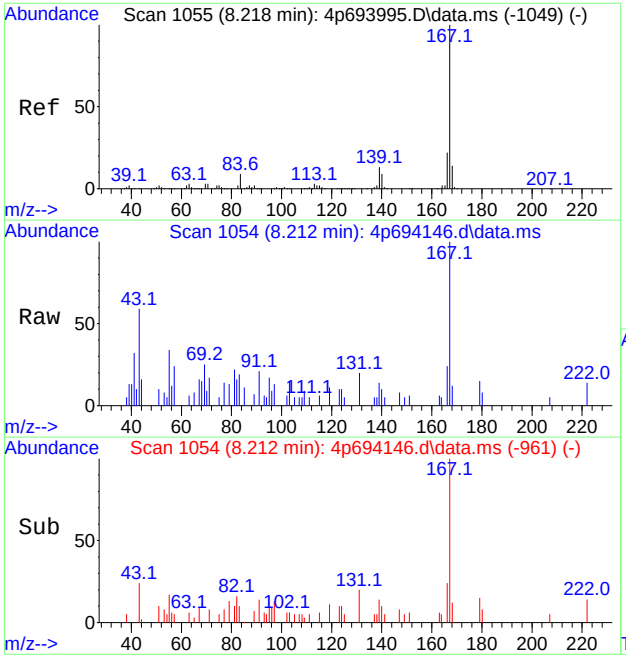


#79
Anthracene
Concen: 0.2846 ppm
RT: 8.047 min Scan# 1023
Delta R.T. -0.006 min
Lab File: 4p694146.d
Acq: 6 Dec 2024 1:54 pm

Tgt Ion:178 Resp: 2309

Ion	Ratio	Lower	Upper
178	100		
179	14.0	0.0	45.3
176	18.9	0.0	49.3

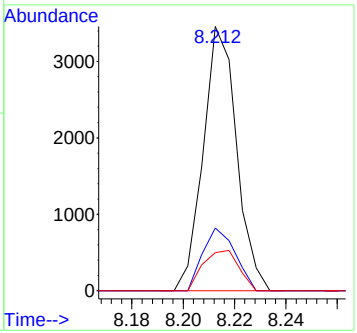


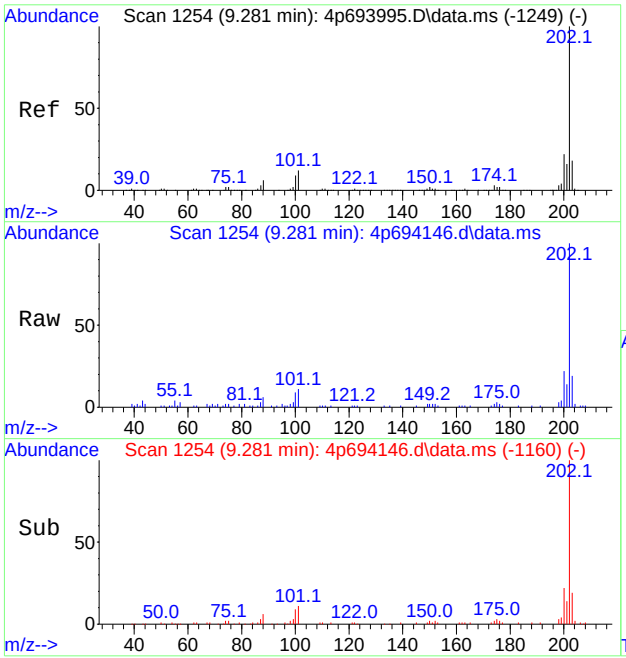


#80
Carbazole
Concen: 0.4201 ppm
RT: 8.212 min Scan# 1054
Delta R.T. -0.006 min
Lab File: 4p694146.d
Acq: 6 Dec 2024 1:54 pm

Tgt Ion:167 Resp: 3130

Ion	Ratio	Lower	Upper
167	100		
166	23.7	0.0	51.7
139	14.5	0.0	42.5

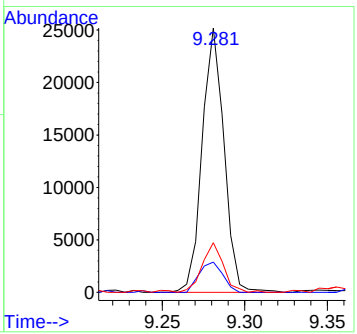


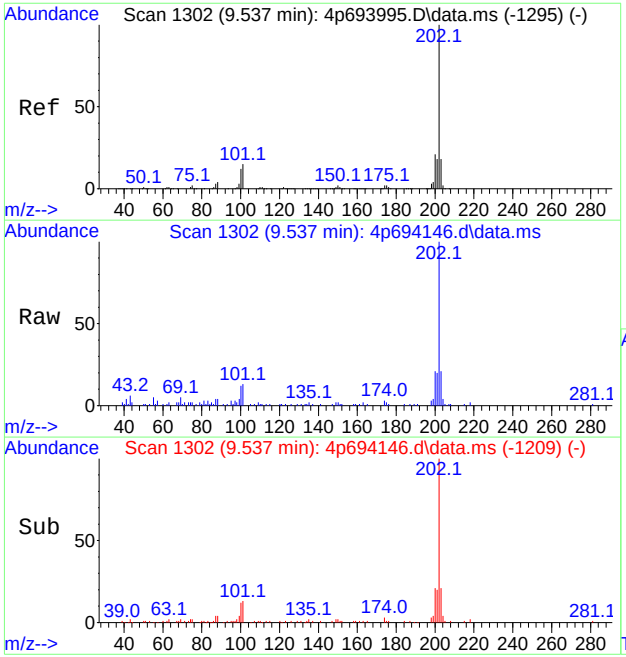


#82
Fluoranthene
Concen: 2.6064 ppm
RT: 9.281 min Scan# 1254
Delta R.T. -0.000 min
Lab File: 4p694146.d
Acq: 6 Dec 2024 1:54 pm

Tgt Ion:202 Resp: 23324

Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	43.3
203	18.4	0.0	48.2

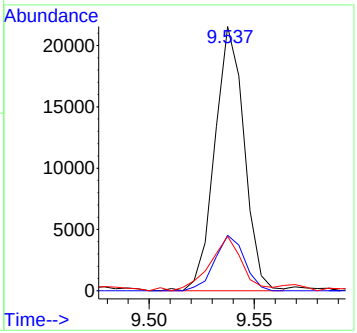


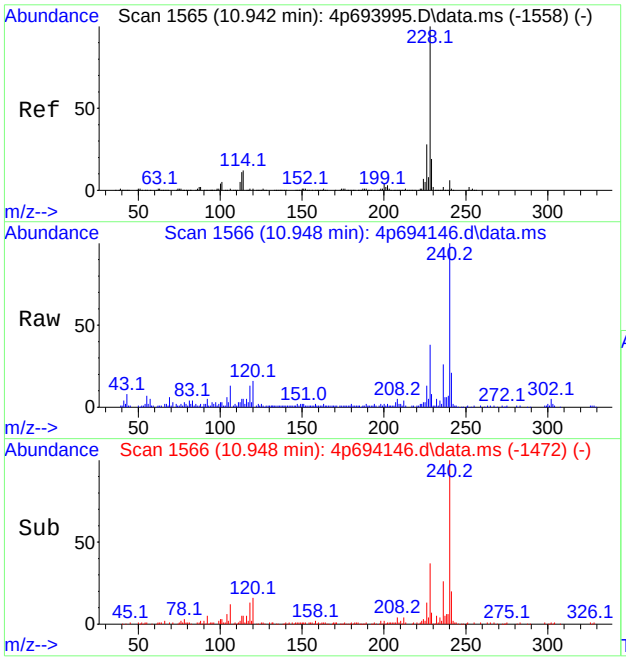


#86
Pyrene
Concen: 2.0234 ppm
RT: 9.537 min Scan# 1302
Delta R.T. -0.006 min
Lab File: 4p694146.d
Acq: 6 Dec 2024 1:54 pm

Tgt Ion:202 Resp: 21028

Ion	Ratio	Lower	Upper
202	100		
200	21.1	0.0	52.1
203	19.0	0.0	47.5

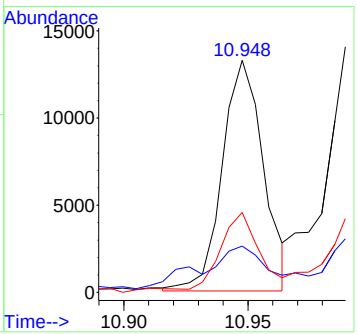


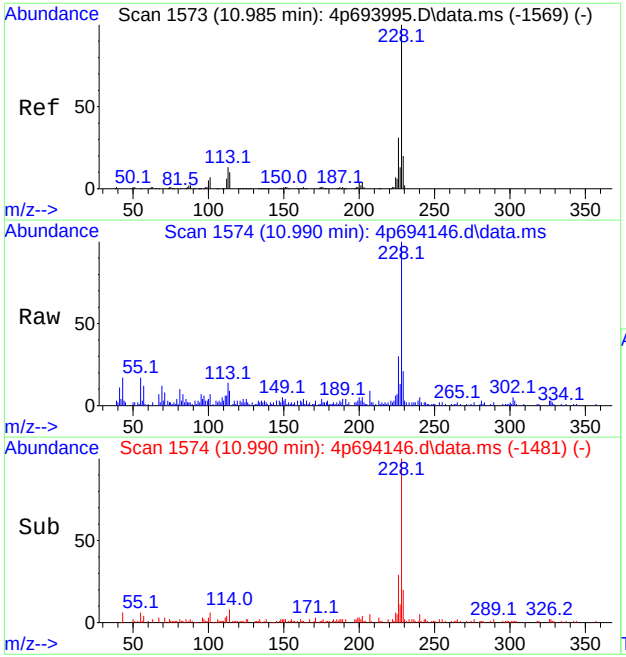


#89
Benzo[a]anthracene
Concen: 1.5957 ppm m
RT: 10.948 min Scan# 1566
Delta R.T. -0.000 min
Lab File: 4p694146.d
Acq: 6 Dec 2024 1:54 pm

Tgt Ion:228 Resp: 15324

Ion	Ratio	Lower	Upper
228	100		
229	19.9	0.0	49.7
226	34.4	0.0	58.6

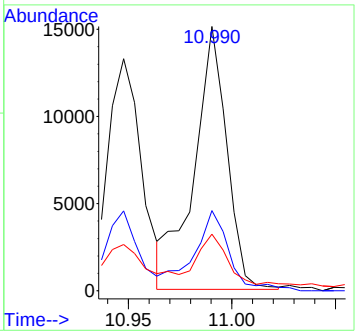


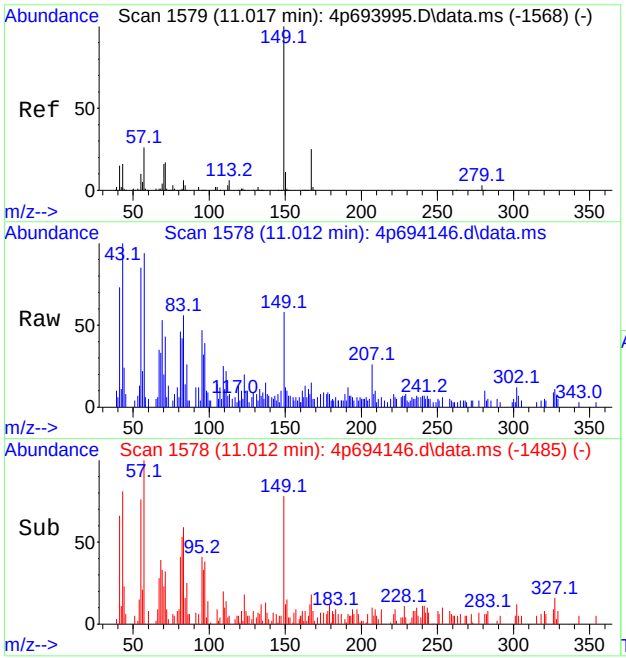


#91
Chrysene
Concen: 1.8059 ppm m
RT: 10.990 min Scan# 1574
Delta R.T. -0.006 min
Lab File: 4p694146.d
Acq: 6 Dec 2024 1:54 pm

Tgt Ion:228 Resp: 16721

Ion	Ratio	Lower	Upper
228	100		
226	30.4	1.6	61.6
229	21.4	0.0	50.0

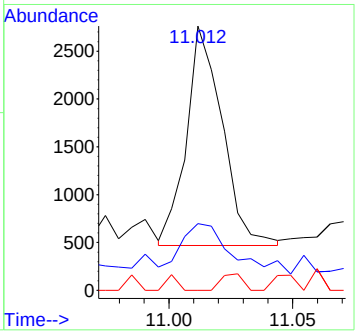


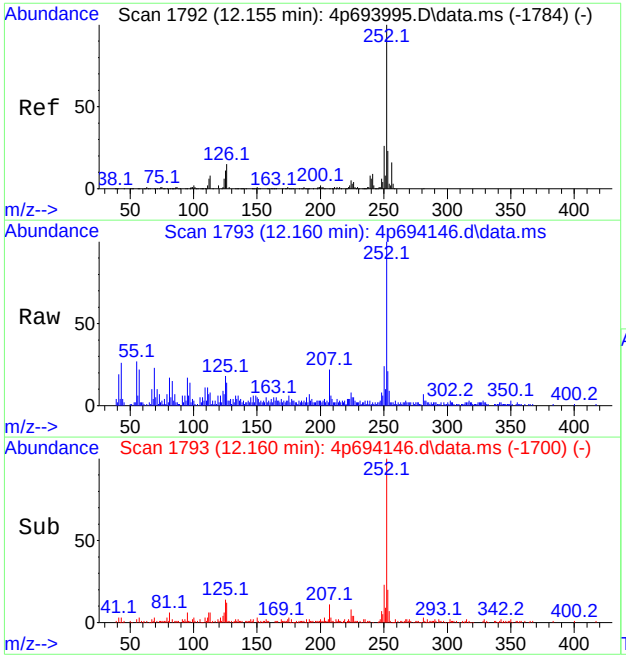


#92
bis(2-Ethylhexyl)phthalate
Concen: 0.3775 ppm m
RT: 11.012 min Scan# 1578
Delta R.T. -0.006 min
Lab File: 4p694146.d
Acq: 6 Dec 2024 1:54 pm

Tgt Ion:149 Resp: 2309

Ion	Ratio	Lower	Upper
149	100		
167	25.2	0.0	56.0
279	0.0	0.0	33.1

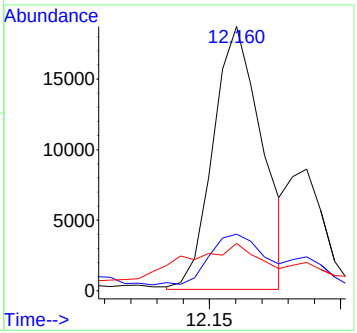


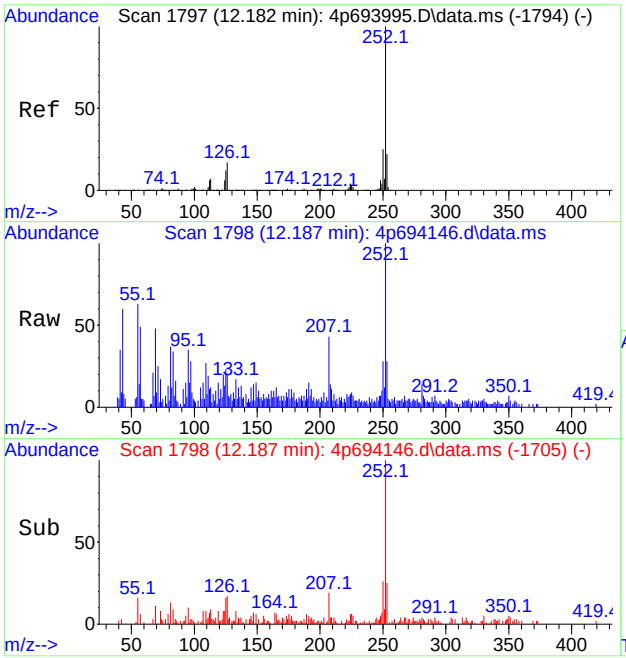


#95
Benzo[b]fluoranthene
Concen: 2.2161 ppm m
RT: 12.160 min Scan# 1793
Delta R.T. -0.006 min
Lab File: 4p694146.d
Acq: 6 Dec 2024 1:54 pm

Tgt Ion:252 Resp: 24164

Ion	Ratio	Lower	Upper
252	100		
253	21.4	0.0	52.2
125	17.9	0.0	41.9

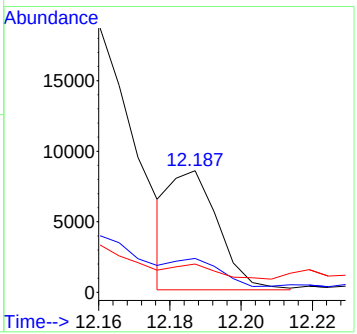


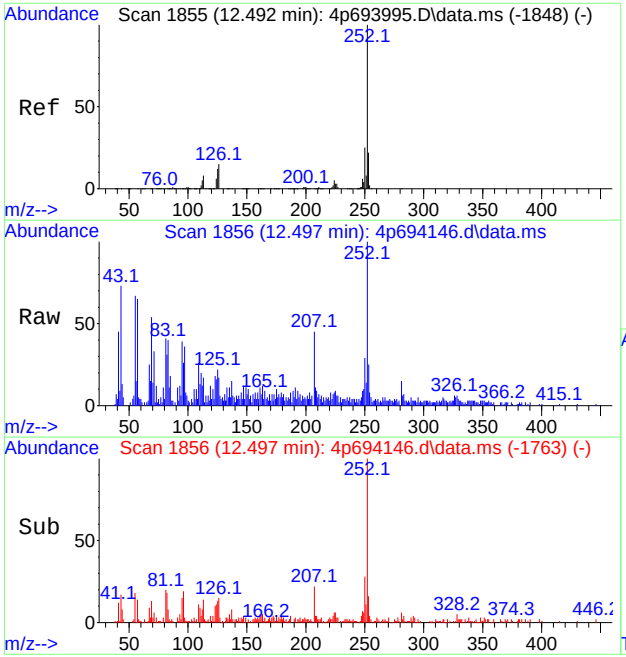


#96
Benzo[k]fluoranthene
Concen: 0.7648 ppm m
RT: 12.187 min Scan# 1798
Delta R.T. -0.006 min
Lab File: 4p694146.d
Acq: 6 Dec 2024 1:54 pm

Tgt Ion:252 Resp: 7907

Ion	Ratio	Lower	Upper
252	100		
253	27.9	0.0	51.9
125	23.4	0.0	41.8

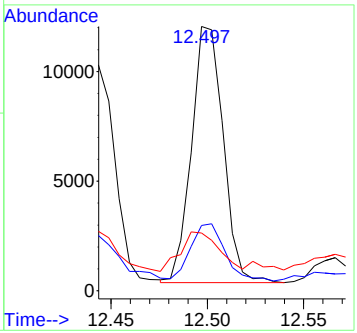


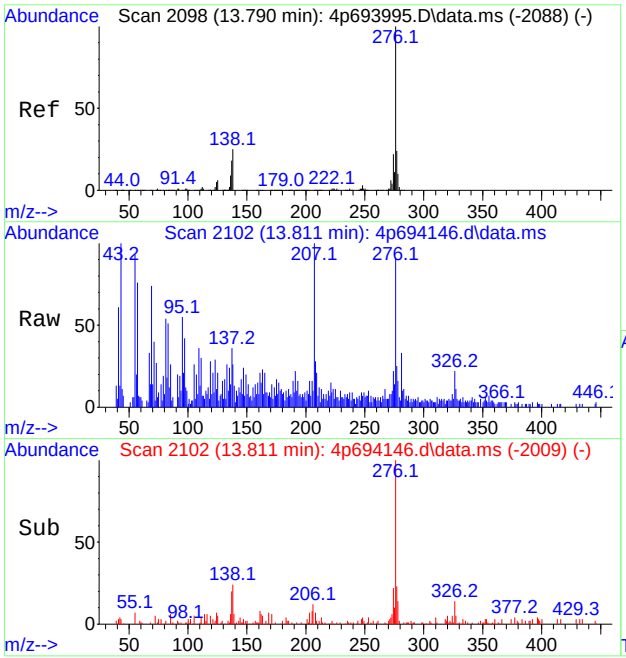


#97
Benzo[a]pyrene
Concen: 1.4545 ppm
RT: 12.497 min Scan# 1856
Delta R.T. -0.006 min
Lab File: 4p694146.d
Acq: 6 Dec 2024 1:54 pm

Tgt Ion:252 Resp: 13408

Ion	Ratio	Lower	Upper
252	100		
253	20.9	0.0	52.0
125	14.9	0.0	43.3

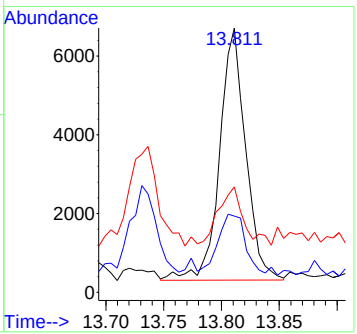


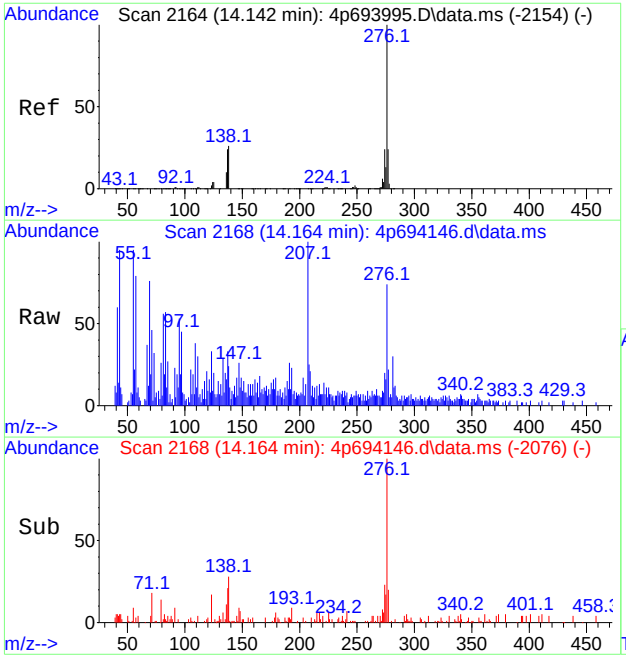


#98
Indeno[1,2,3-cd]pyrene
Concen: 0.8201 ppm
RT: 13.811 min Scan# 2102
Delta R.T. -0.006 min
Lab File: 4p694146.d
Acq: 6 Dec 2024 1:54 pm

Tgt Ion:276 Resp: 10067

Ion	Ratio	Lower	Upper
276	100		
138	16.2	0.0	55.0
137	16.0	0.0	47.6

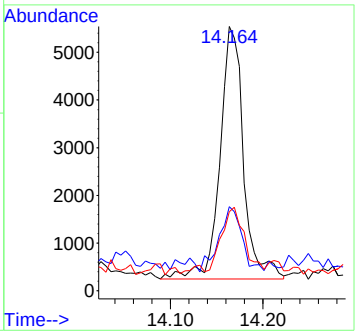




#102
Benzo[g,h,i]perylene
Concen: 1.0141 ppm
RT: 14.164 min Scan# 2168
Delta R.T. -0.011 min
Lab File: 4p694146.d
Acq: 6 Dec 2024 1:54 pm

Tgt Ion:276 Resp: 9424

Ion	Ratio	Lower	Upper
276	100		
138	24.3	0.0	55.7
277	22.1	0.0	53.4



LSC Area Percent Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694146.d
Acq On : 6 Dec 2024 1:54 pm
Operator : kaleigh
Sample : je1536-8
Misc : op59876,e4p3703,30.02,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.02 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 7

Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

Signal : TIC: 4p694146.d\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.338	510	516	518	rBV	29261	23178	1.75%	0.141%
2	5.376	518	523	533	rVB	1000333	690931	52.21%	4.206%
3	5.547	548	555	572	rBV	62444	97270	7.35%	0.592%
4	5.835	605	609	618	rBV	114214	108325	8.19%	0.659%
5	6.086	650	656	664	rBV	718438	461260	34.86%	2.808%
6	6.530	736	739	750	rBV4	14547	23989	1.81%	0.146%
7	6.610	750	754	765	rVB	1054768	753739	56.96%	4.589%
8	7.294	875	882	889	rBV	146154	126347	9.55%	0.769%
9	7.395	899	901	912	rVB5	8353	16866	1.27%	0.103%
10	7.481	912	917	921	rBV2	13866	14020	1.06%	0.085%
11	7.641	941	947	951	rVB3	10921	14898	1.13%	0.091%
12	7.705	956	959	969	rBV	38287	42516	3.21%	0.259%
13	7.844	982	985	995	rVB5	10386	15169	1.15%	0.092%
14	7.935	999	1002	1004	rBV3	13859	13985	1.06%	0.085%
15	7.972	1004	1009	1015	rBV	826825	744547	56.26%	4.533%
16	8.041	1019	1022	1026	rVB2	21821	21816	1.65%	0.133%
17	8.212	1048	1054	1063	rVB3	23098	29825	2.25%	0.182%
18	8.517	1108	1111	1115	rVB3	15792	15756	1.19%	0.096%
19	8.560	1115	1119	1127	rBV	106828	105958	8.01%	0.645%
20	8.752	1147	1155	1159	rVB5	9811	15237	1.15%	0.093%
21	9.137	1223	1227	1231	rBV6	10848	13472	1.02%	0.082%
22	9.281	1250	1254	1261	rBV	57137	55419	4.19%	0.337%
23	9.361	1261	1269	1272	rBV5	28068	42825	3.24%	0.261%
24	9.388	1272	1274	1281	rVB4	15449	18702	1.41%	0.114%
25	9.457	1283	1287	1297	rBV3	31502	46371	3.50%	0.282%
26	9.537	1297	1302	1310	rBV	51766	59850	4.52%	0.364%
27	9.730	1332	1338	1346	rBV	492604	460157	34.77%	2.801%
28	9.927	1372	1375	1381	rVB3	9799	13116	0.99%	0.080%
29	10.018	1387	1392	1395	rBV4	27735	41110	3.11%	0.250%
30	10.056	1395	1399	1404	rVB2	20385	26855	2.03%	0.163%
31	10.184	1414	1423	1431	rBV2	18636	37279	2.82%	0.227%
32	10.264	1431	1438	1441	rBV5	13253	18980	1.43%	0.116%
33	10.296	1441	1444	1446	rBV3	17426	18804	1.42%	0.114%
34	10.317	1446	1448	1456	rVB9	11508	17732	1.34%	0.108%
35	10.440	1466	1471	1474	rBV4	14300	22693	1.71%	0.138%
36	10.606	1495	1502	1506	rBV	86431	89278	6.75%	0.544%
37	10.659	1506	1512	1515	rBV4	12969	16492	1.25%	0.100%
38	10.691	1515	1518	1521	rBV4	12906	15885	1.20%	0.097%
39	10.777	1530	1534	1541	rVB6	17845	25143	1.90%	0.153%
40	10.852	1541	1548	1558	rBV	157144	235157	17.77%	1.432%

LSC Area Percent Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694146.d
Acq On : 6 Dec 2024 1:54 pm
Operator : kaleigh
Sample : je1536-8
Misc : op59876,e4p3703,30.02,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.02 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 7

Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

41	10.964	1559	1569	1573	rBV	803876	881277	66.59%	5.365%
42	11.081	1584	1591	1593	rBV7	7783	12305	0.93%	0.075%
43	11.124	1593	1599	1606	rBV10	26054	53794	4.06%	0.328%
44	11.199	1606	1613	1616	rBV8	10162	21418	1.62%	0.130%
45	11.247	1616	1622	1632	rBV5	34497	58235	4.40%	0.355%
46	11.396	1644	1650	1653	rBV2	55939	53238	4.02%	0.324%
47	11.626	1686	1693	1702	rBV	348915	441149	33.34%	2.686%
48	11.696	1702	1706	1712	rVV9	19083	32315	2.44%	0.197%
49	11.770	1716	1720	1723	rBV4	25774	30125	2.28%	0.183%
50	11.802	1723	1726	1732	rVB2	37858	41145	3.11%	0.250%
51	11.867	1732	1738	1739	rBV6	10451	13003	0.98%	0.079%
52	11.888	1739	1742	1745	rBV5	10995	13877	1.05%	0.084%
53	11.952	1750	1754	1756	rBV4	20440	23875	1.80%	0.145%
54	11.989	1756	1761	1766	rBV3	44949	87477	6.61%	0.533%
55	12.027	1766	1768	1769	rVV2	19158	16426	1.24%	0.100%
56	12.054	1769	1773	1777	rVV2	38253	56191	4.25%	0.342%
57	12.096	1777	1781	1785	rVV7	13712	23801	1.80%	0.145%
58	12.139	1785	1789	1803	rVV2	254377	427586	32.31%	2.603%
59	12.267	1806	1813	1817	rVV7	42688	101209	7.65%	0.616%
60	12.342	1817	1827	1836	rVV2	558003	1027996	77.68%	6.259%
61	12.406	1836	1839	1843	rVV	73826	132124	9.98%	0.804%
62	12.443	1843	1846	1851	rVV	56375	114493	8.65%	0.697%
63	12.492	1851	1855	1860	rVV2	99211	178197	13.47%	1.085%
64	12.561	1861	1868	1879	rVV	883999	1186173	89.63%	7.222%
65	12.636	1879	1882	1887	rVV7	33523	75468	5.70%	0.459%
66	12.689	1887	1892	1895	rVV2	71893	123152	9.31%	0.750%
67	12.721	1895	1898	1902	rVV6	54773	85909	6.49%	0.523%
68	12.775	1902	1908	1916	rVV8	34352	113653	8.59%	0.692%
69	12.866	1916	1925	1937	rVV	402432	607125	45.88%	3.696%
70	12.951	1937	1941	1949	rVV8	36669	112090	8.47%	0.682%
71	13.031	1954	1956	1958	rVV3	19765	23117	1.75%	0.141%
72	13.074	1958	1964	1968	rVV	723564	914923	69.14%	5.570%
73	13.111	1968	1971	1975	rVV	128759	195264	14.76%	1.189%
74	13.175	1979	1983	1987	rVV2	88241	147610	11.15%	0.899%
75	13.229	1987	1993	1997	rVV9	39720	103223	7.80%	0.628%
76	13.272	1997	2001	2009	rVB3	81289	124114	9.38%	0.756%
77	13.357	2014	2017	2020	rBV5	10267	11893	0.90%	0.072%
78	13.459	2031	2036	2039	rBV7	12465	21435	1.62%	0.130%
79	13.496	2039	2043	2047	rVV2	36079	52961	4.00%	0.322%
80	13.544	2049	2052	2057	rVV6	32031	50797	3.84%	0.309%
81	13.619	2061	2066	2071	rVB7	25225	45407	3.43%	0.276%
82	13.672	2071	2076	2080	rVB8	13717	23241	1.76%	0.141%
83	13.731	2080	2087	2096	rBV	358048	557912	42.16%	3.397%
84	13.811	2096	2102	2104	rBV2	18654	31475	2.38%	0.192%
85	13.854	2104	2110	2117	rVV2	39773	79788	6.03%	0.486%

LSC Area Percent Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694146.d
Acq On : 6 Dec 2024 1:54 pm
Operator : kaleigh
Sample : je1536-8
Misc : op59876,e4p3703,30.02,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.02 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 7

Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

86	13.961	2117	2130	2140	rVV4	695440	1323348	100.00%	8.057%
87	14.046	2141	2146	2153	rVV2	100144	180078	13.61%	1.096%
88	14.116	2153	2159	2166	rVB	88551	153542	11.60%	0.935%
89	14.164	2166	2168	2172	rVB2	13351	11988	0.91%	0.073%
90	14.222	2172	2179	2189	rBV6	98500	192029	14.51%	1.169%
91	14.308	2189	2195	2206	rVB2	210685	396481	29.96%	2.414%
92	14.393	2206	2211	2215	rBV8	27444	52301	3.95%	0.318%
93	14.468	2223	2225	2234	rVB10	7330	13668	1.03%	0.083%
94	14.554	2237	2241	2246	rBV8	9505	13756	1.04%	0.084%
95	14.612	2246	2252	2262	rVV7	104171	192915	14.58%	1.174%
96	14.709	2262	2270	2281	rVB7	27668	103589	7.83%	0.631%
97	14.853	2286	2297	2305	rBV4	156336	331959	25.08%	2.021%
98	14.922	2305	2310	2318	rVB4	37912	70577	5.33%	0.430%
99	15.109	2335	2345	2354	rBV4	79736	176898	13.37%	1.077%
100	15.275	2369	2376	2382	rBV5	32374	73409	5.55%	0.447%

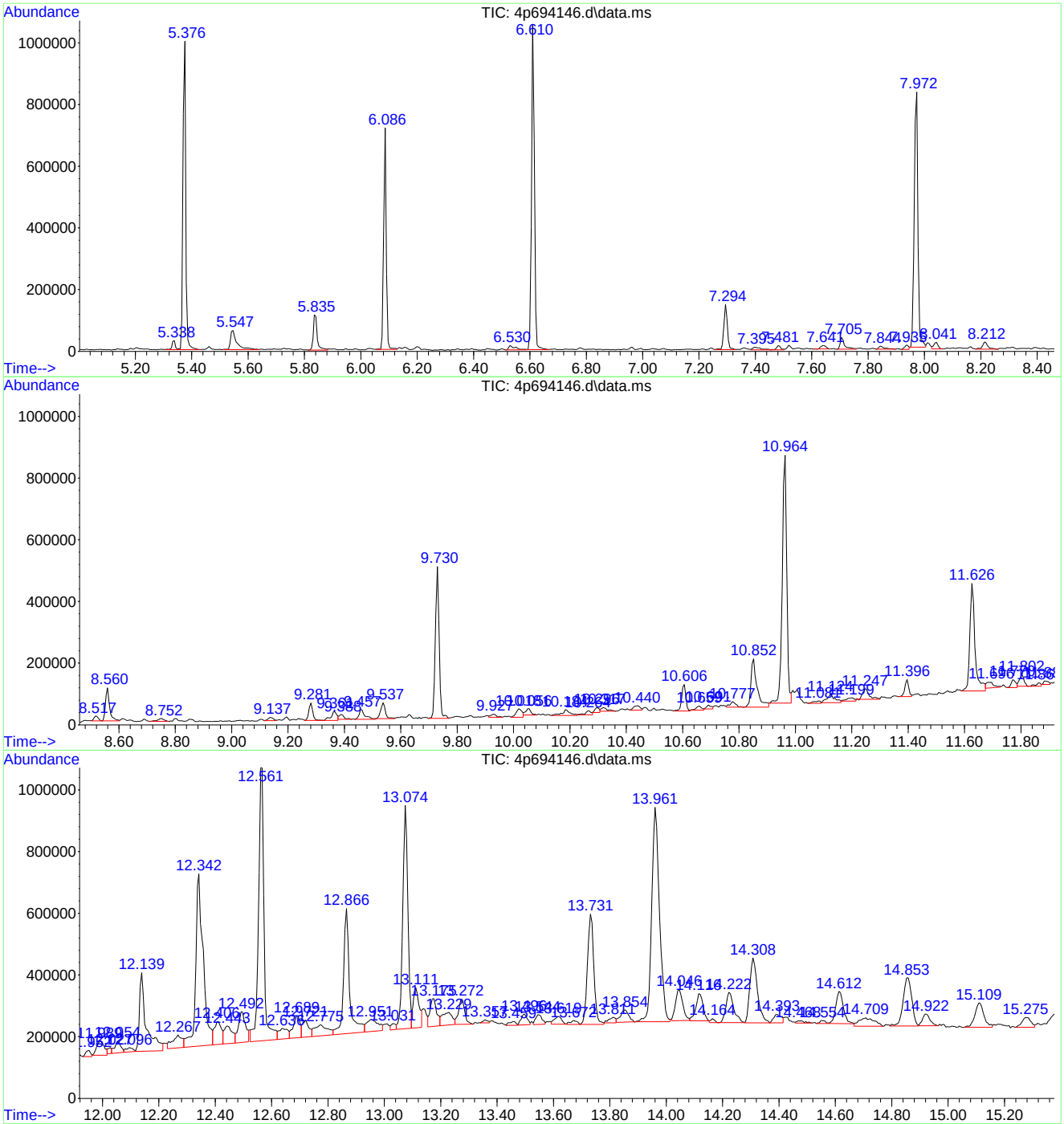
Sum of corrected areas: 16425476

LSC Report - Integrated Chromatogram

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694146.d
Acq On : 6 Dec 2024 1:54 pm
Operator : kaleigh
Sample : je1536-8
Misc : op59876,e4p3703,30.02,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P



Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694146.d
Acq On : 6 Dec 2024 1:54 pm
Operator : kaleigh
Sample : je1536-8
Misc : op59876,e4p3703,30.02,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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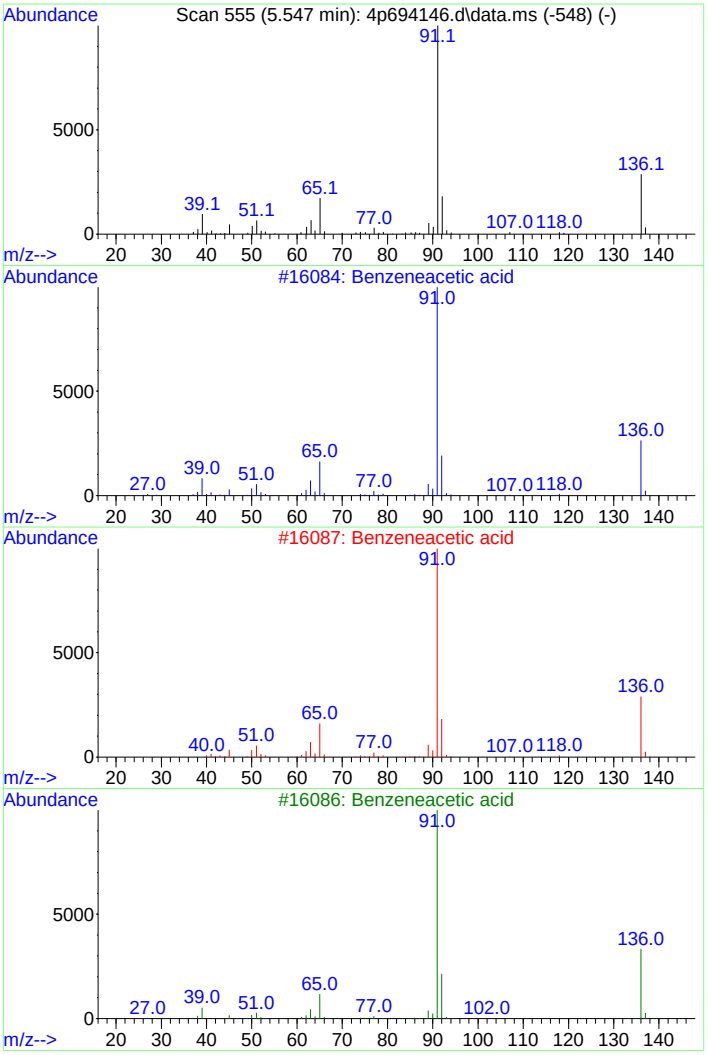
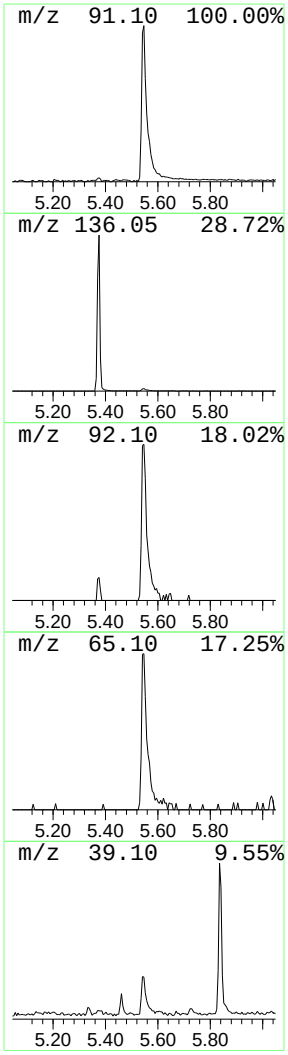
Peak Number 1 Benzeneacetic acid Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.547	5.63 ppm	97270	Naphthalene-d8c	5.376

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneacetic acid	136	C8H8O2	000103-82-2	95
2	Benzeneacetic acid	136	C8H8O2	000103-82-2	94
3	Benzeneacetic acid	136	C8H8O2	000103-82-2	90
4	Benzeneacetic acid	136	C8H8O2	000103-82-2	72
5	p-Methylbenzeneboronic acid	136	C7H9BO2	005720-05-8	64





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694146.d
Acq On : 6 Dec 2024 1:54 pm
Operator : kaleigh
Sample : je1536-8
Misc : op59876,e4p3703,30.02,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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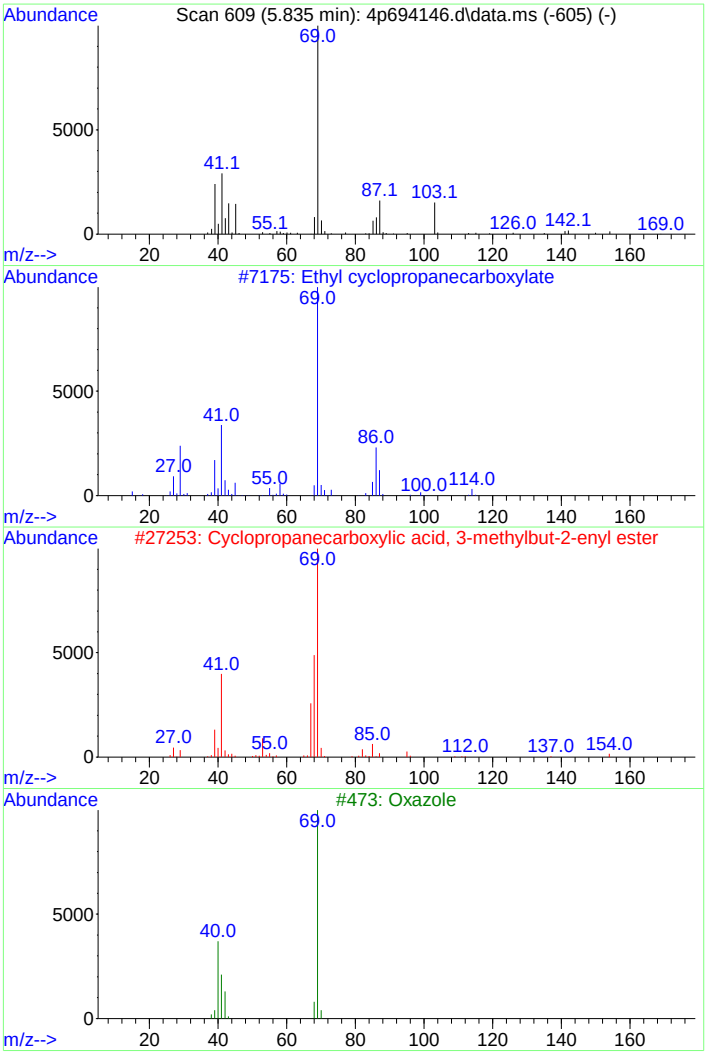
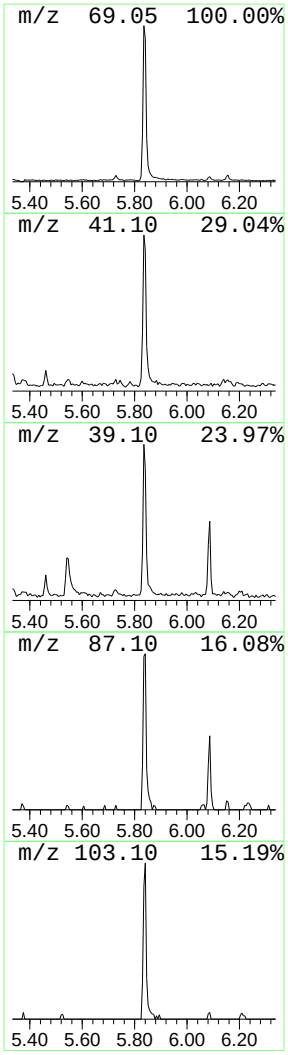
Peak Number 2 Unknown Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.835	6.27 ppm	108325	Naphthalene-d8c	5.376

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl cyclopropanecarboxylate	114	C6H10O2	004606-07-9	39
2	Cyclopropanecarboxylic acid, 3-m...	154	C9H14O2	1000299-37-4	9
3	Oxazole	69	C3H3NO	000288-42-6	9
4	2-Butenoic acid, 2-propenyl ester	126	C7H10O2	020474-93-5	9
5	Cyclopropanecarboxylic acid, pro...	128	C7H12O2	060128-01-0	9





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694146.d
Acq On : 6 Dec 2024 1:54 pm
Operator : kaleigh
Sample : je1536-8
Misc : op59876,e4p3703,30.02,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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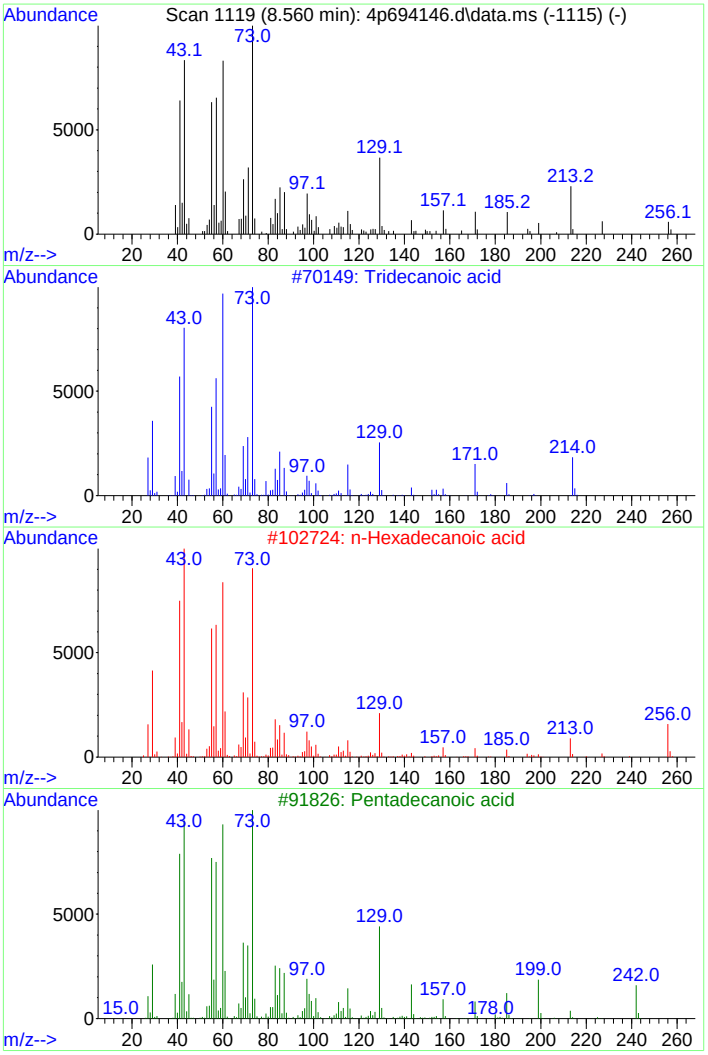
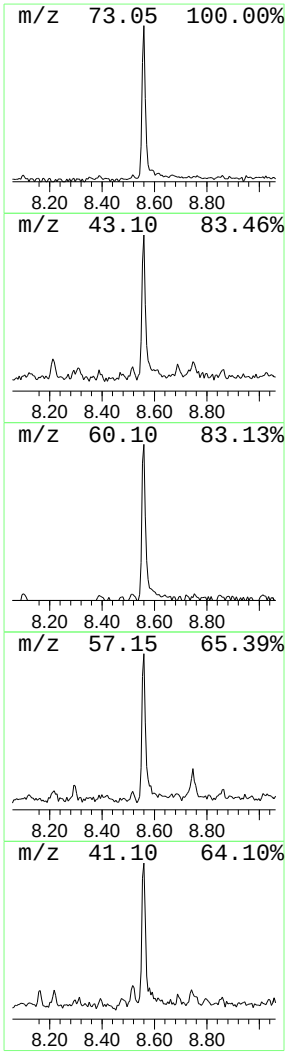
Peak Number 3 Unknown acid Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.560	5.69 ppm	105958	Phenanthrene-d10a	7.972

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanoic acid	214	C13H26O2	000638-53-9	90
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	86
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	83
4	Tridecanoic acid	214	C13H26O2	000638-53-9	81
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	74





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694146.d
Acq On : 6 Dec 2024 1:54 pm
Operator : kaleigh
Sample : je1536-8
Misc : op59876,e4p3703,30.02,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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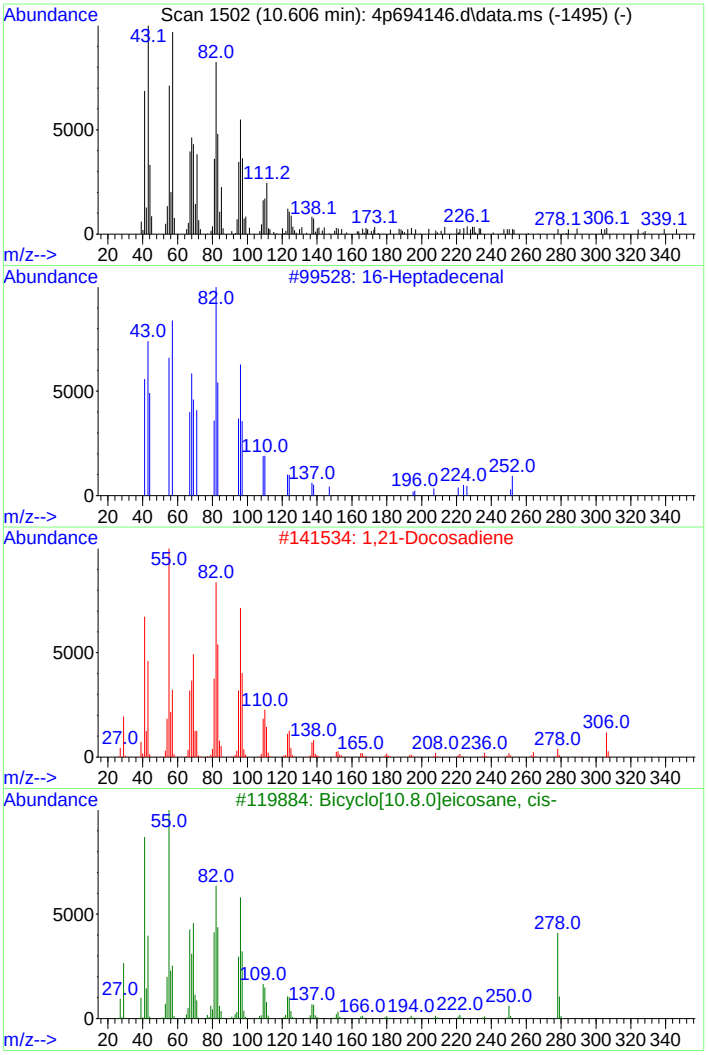
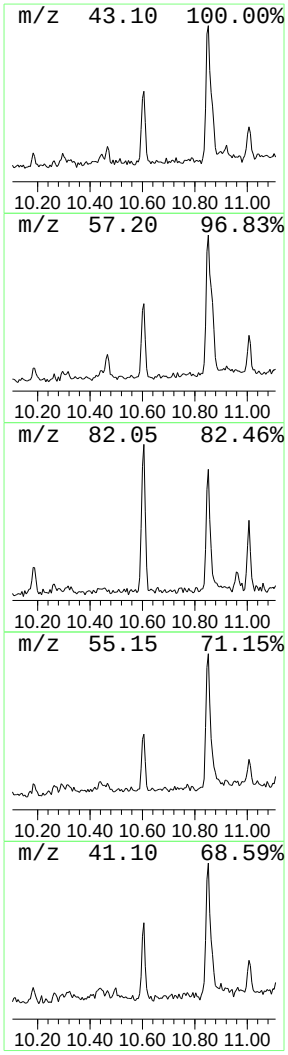
Peak Number 4 Unknown Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.606	4.05 ppm	89278	Chrysene-d12	10.964

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	16-Heptadecenal	252	C17H32O	1000144-57-9	98
2	1,21-Docosadiene	306	C22H42	053057-53-7	96
3	Bicyclo[10.8.0]eicosane, cis-	278	C20H38	1000155-82-2	96
4	Bicyclo[10.8.0]eicosane, (E)-	278	C20H38	1000155-85-0	95
5	Octadecanal	268	C18H36O	000638-66-4	91





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694146.d
Acq On : 6 Dec 2024 1:54 pm
Operator : kaleigh
Sample : je1536-8
Misc : op59876,e4p3703,30.02,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

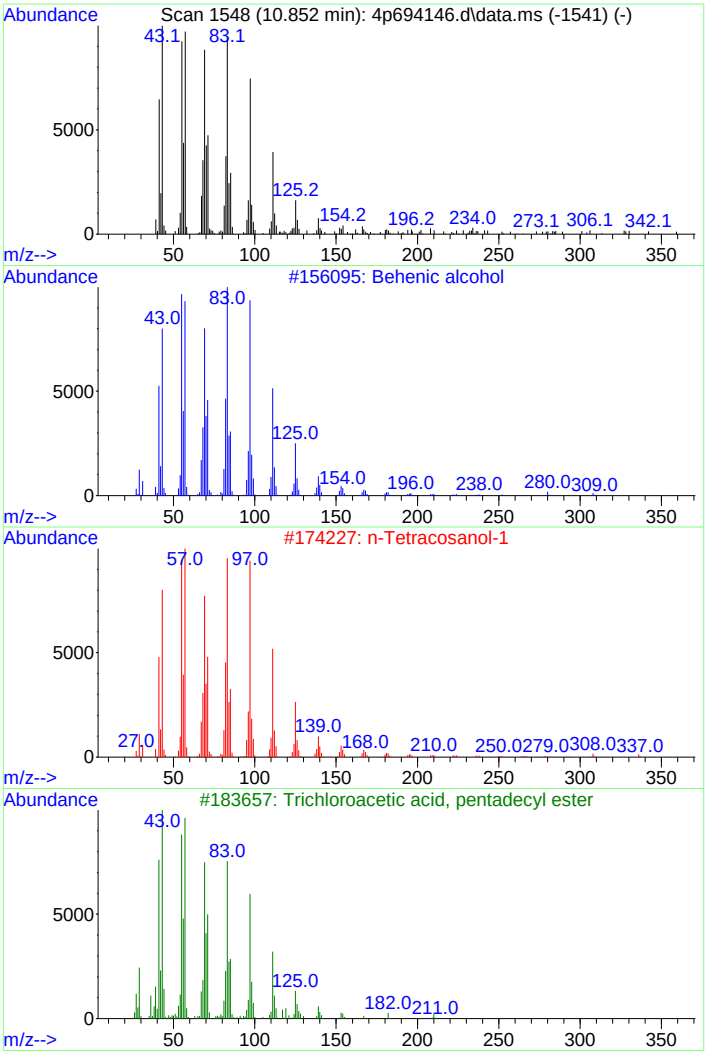
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

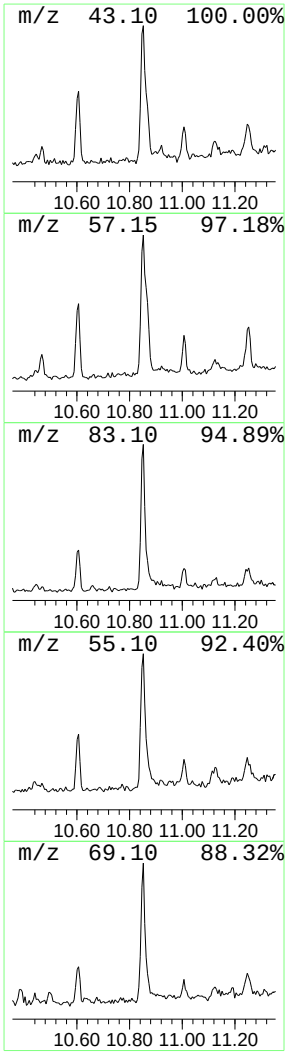
****

Peak Number 5 Unknown Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.852	10.67 ppm	235157	Chrysene-d12	10.964

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Behenic alcohol	326	C22H46O	000661-19-8	94
2	n-Tetracosanol-1	354	C24H50O	000506-51-4	94
3	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	94
4	Cyclohexadecane	224	C16H32	000295-65-8	93
5	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	93





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694146.d
Acq On : 6 Dec 2024 1:54 pm
Operator : kaleigh
Sample : je1536-8
Misc : op59876,e4p3703,30.02,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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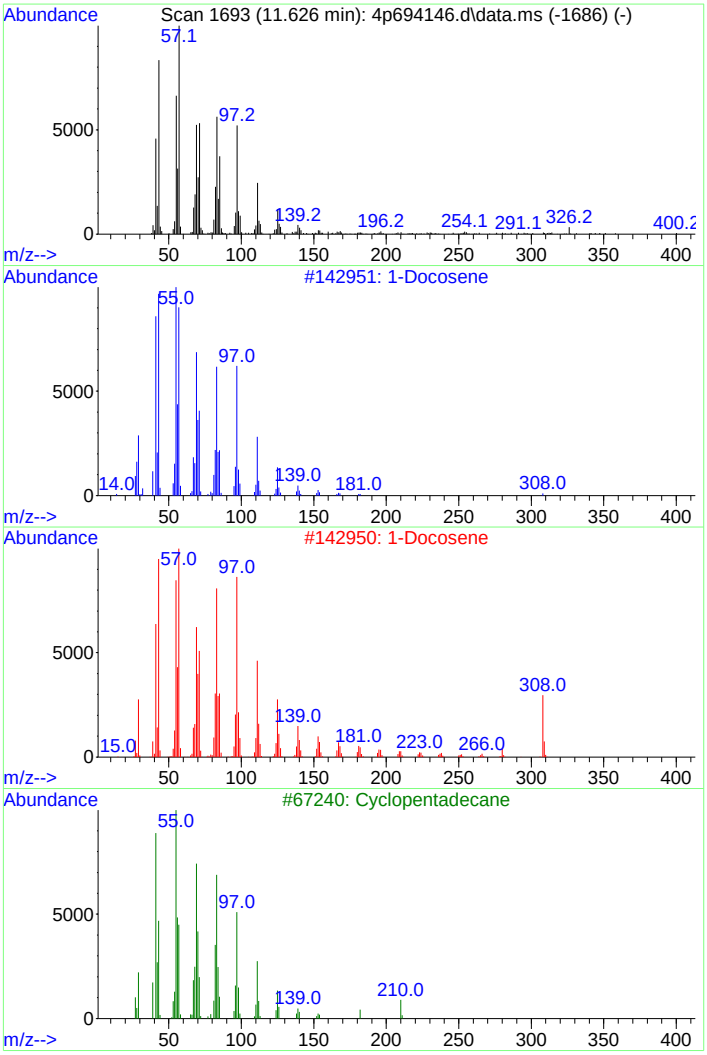
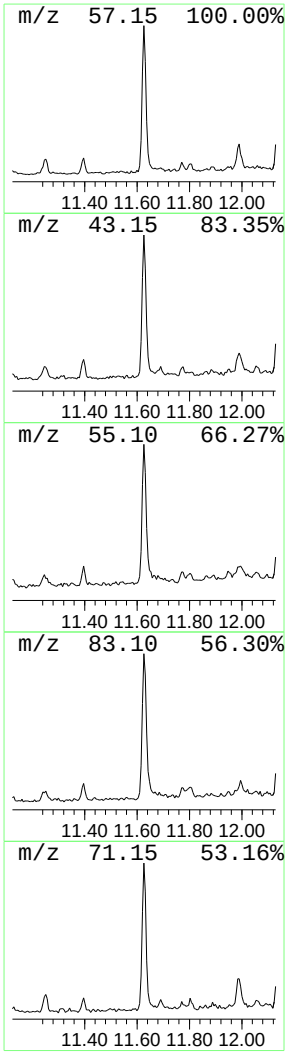
Peak Number 6 Unknown Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.626	20.02 ppm	441149	Chrysene-d12b	10.964

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Docosene	308	C22H44	001599-67-3	99
2	1-Docosene	308	C22H44	001599-67-3	97
3	Cyclopentadecane	210	C15H30	000295-48-7	93
4	Heptafluorobutyric acid, n-octad...	466	C22H37F7O2	000400-57-7	91
5	Heneicosyl heptafluorobutyrate	508	C25H43F7O2	1000351-83-8	91





Library Search Compound Report

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Acq On : 6 Dec 2024 1:54 pm
Operator : kaleigh
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Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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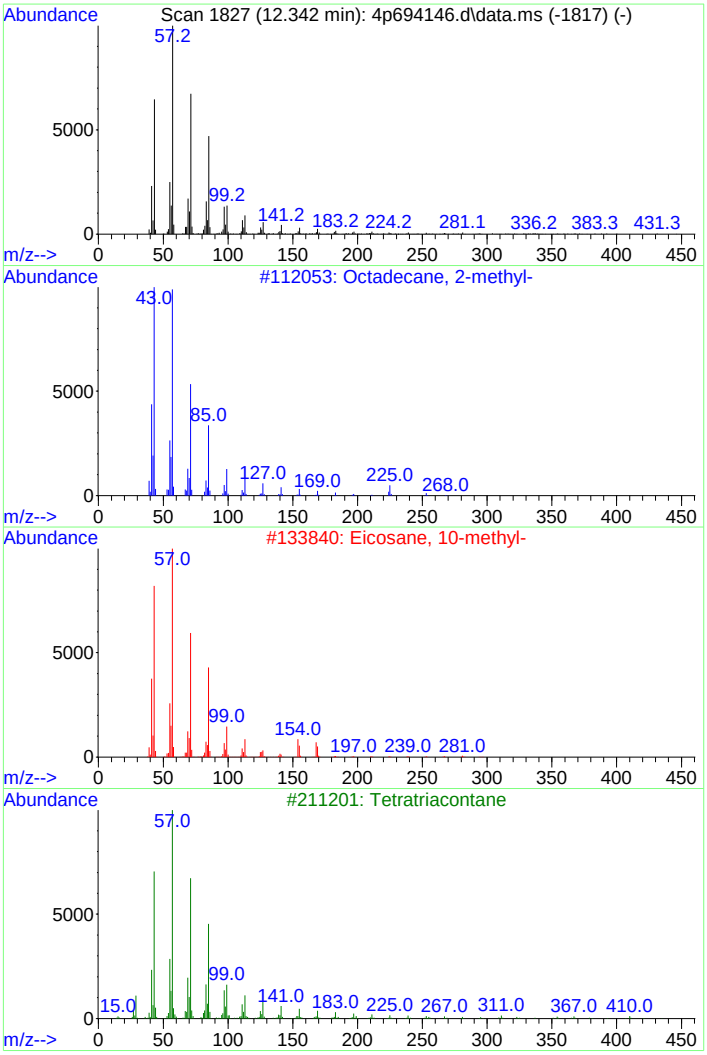
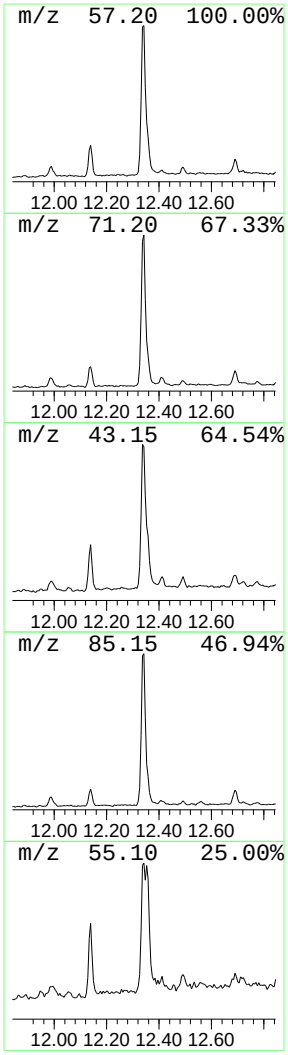
Peak Number 7 Alkane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.342	34.67 ppm	1028000	Perylene-d12	12.566

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane, 2-methyl-	268	C19H40	001560-88-9	93
2	Eicosane, 10-methyl-	296	C21H44	054833-23-7	93
3	Tetratriacontane	479	C34H70	014167-59-0	91
4	Octacosane	394	C28H58	000630-02-4	91
5	Octacosane	394	C28H58	000630-02-4	91





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ALS Vial : 13 Sample Multiplier: 1

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Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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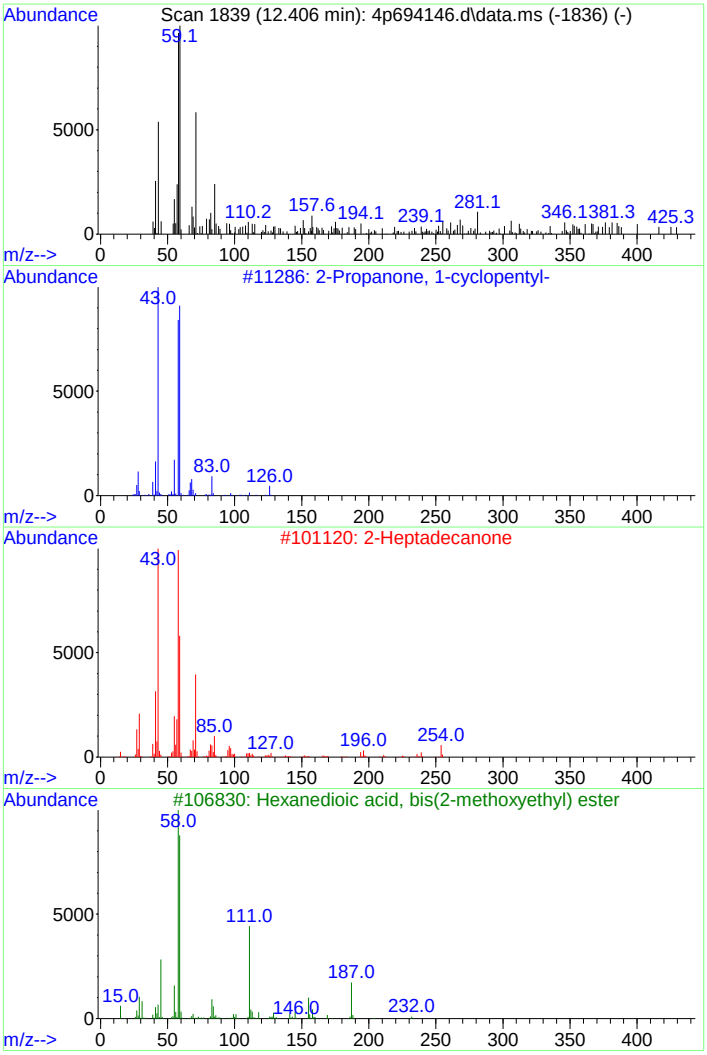
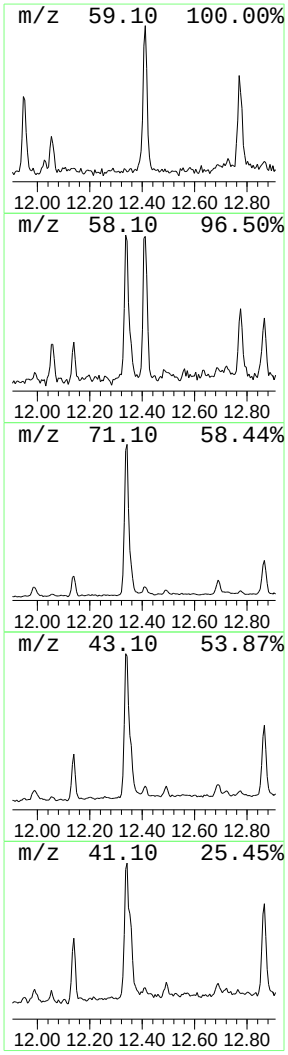
Peak Number 8 Unknown Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.406	4.46 ppm	132124	Perylene-d12	12.566

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanone, 1-cyclopentyl-	126	C8H14O	001122-98-1	50
2	2-Heptadecanone	254	C17H34O	002922-51-2	42
3	Hexanedioic acid, bis(2-methoxye...	262	C12H22O6	000106-00-3	38
4	Butan-1-one, 4-chloro-1-(1,2,3,4...	306	C17H23ClN2O	326033-07-2	25
5	Pentanal, 2,3-dimethyl-	114	C7H14O	032749-94-3	22





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ALS Vial : 13 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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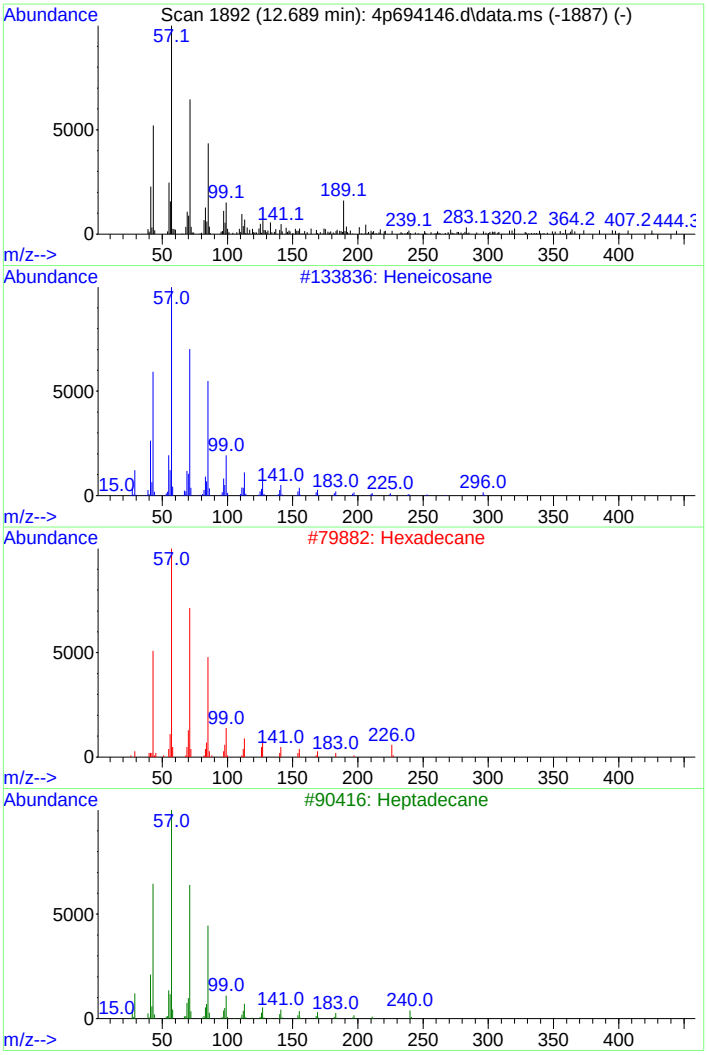
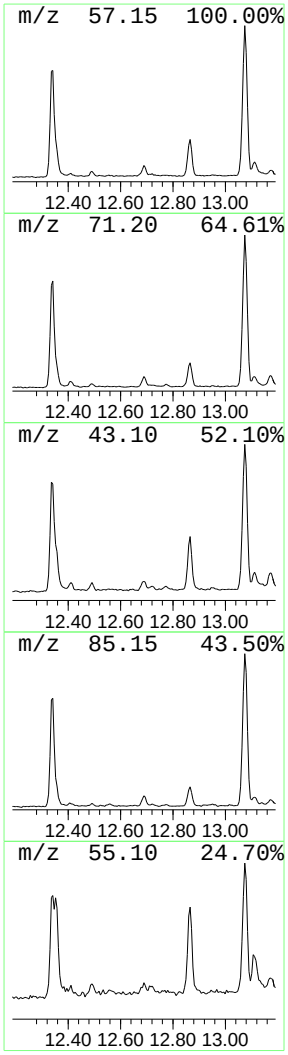
Peak Number 9 Alkane Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.689	4.15 ppm	123152	Perylene-d12	12.566

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	96
2	Hexadecane	226	C16H34	000544-76-3	95
3	Heptadecane	240	C17H36	000629-78-7	93
4	Dodecane, 2-methyl-	184	C13H28	001560-97-0	86
5	Hexadecane	226	C16H34	000544-76-3	86





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ALS Vial : 13 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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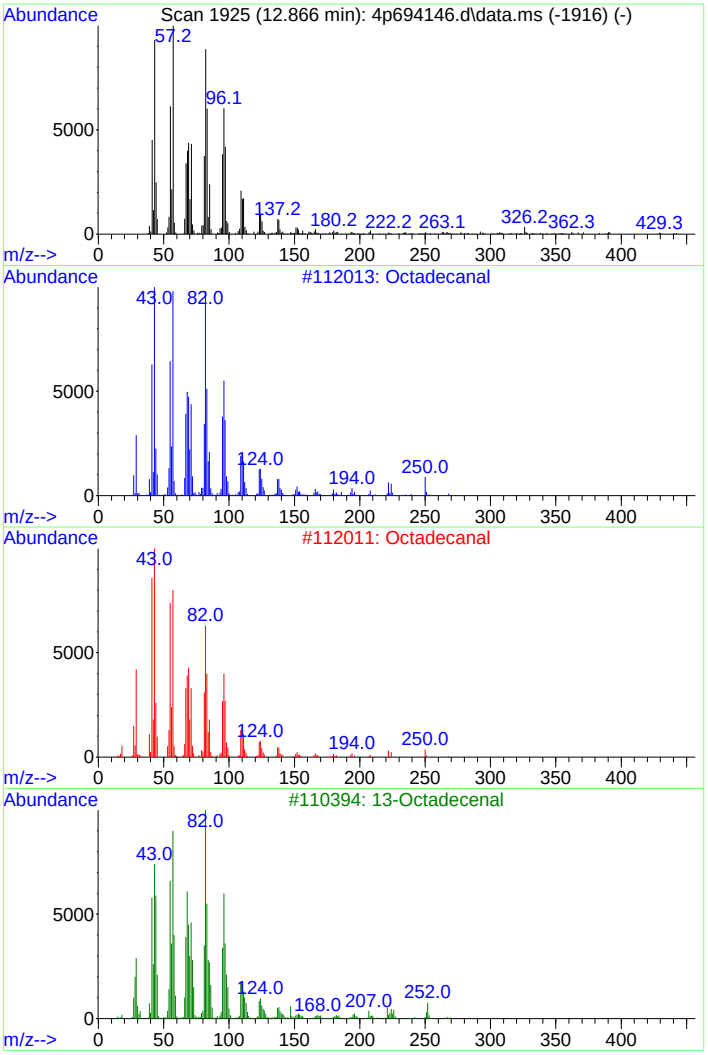
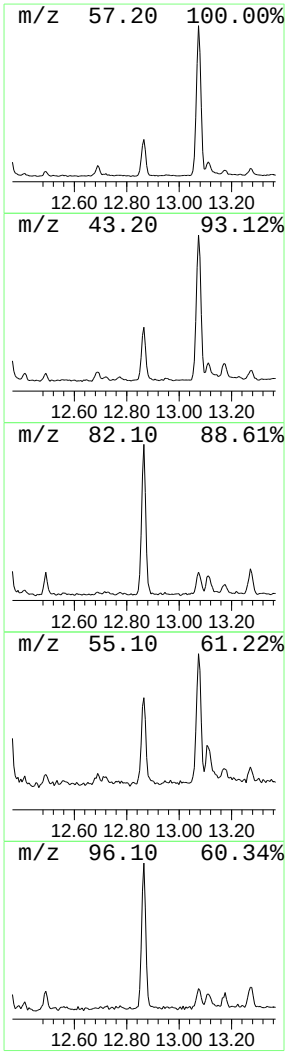
Peak Number 10 Octadecanal Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.866	20.47 ppm	607125	Perylene-d12	12.566

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanal	268	C18H36O	000638-66-4	91
2	Octadecanal	268	C18H36O	000638-66-4	90
3	13-Octadecenal	266	C18H34O	056554-90-6	86
4	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	86
5	(Z)-14-Tricosenyl formate	366	C24H46O2	077899-10-6	83





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Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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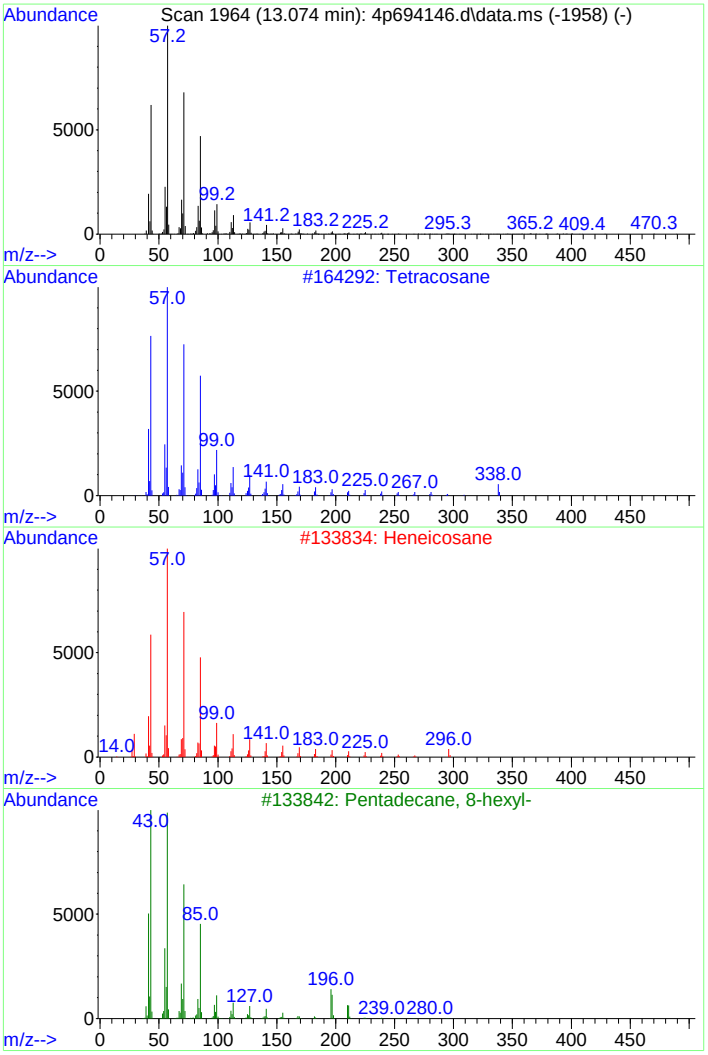
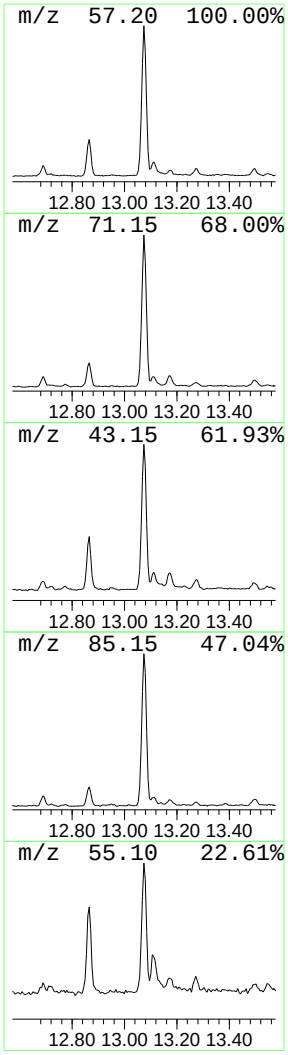
Peak Number 11 Alkane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.074	30.85 ppm	914923	Perylene-d12	12.566

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	97
2	Heneicosane	296	C21H44	000629-94-7	95
3	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	94
4	Docosane, 11-butyl-	366	C26H54	013475-76-8	94
5	Eicosane, 3-methyl-	296	C21H44	006418-46-8	91





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ALS Vial : 13 Sample Multiplier: 1

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Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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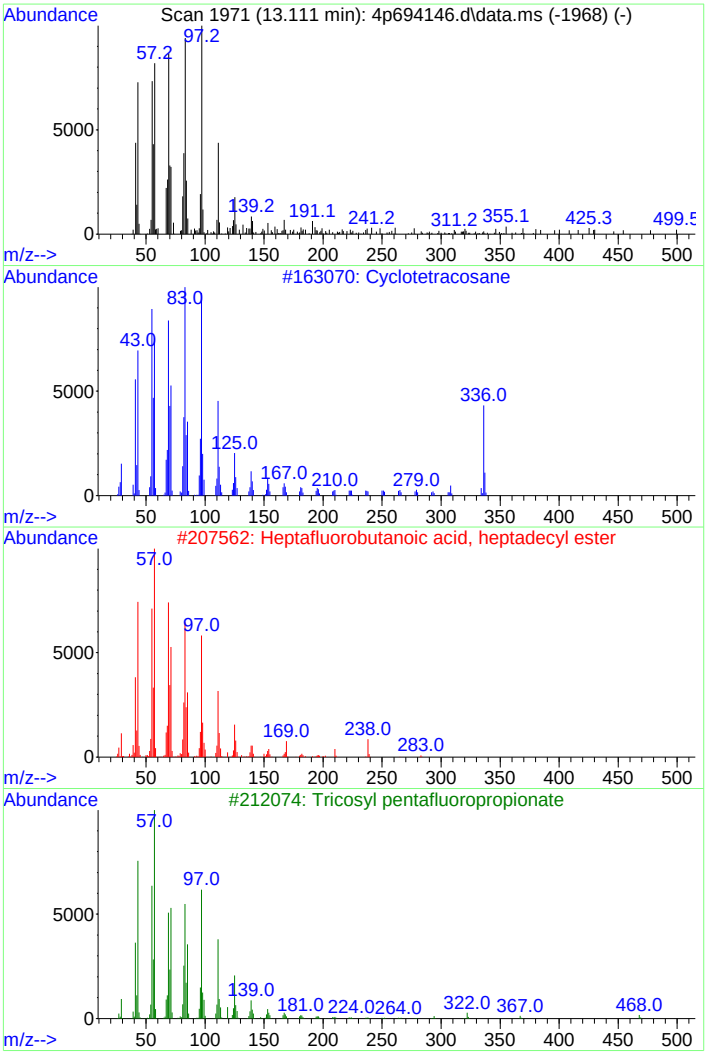
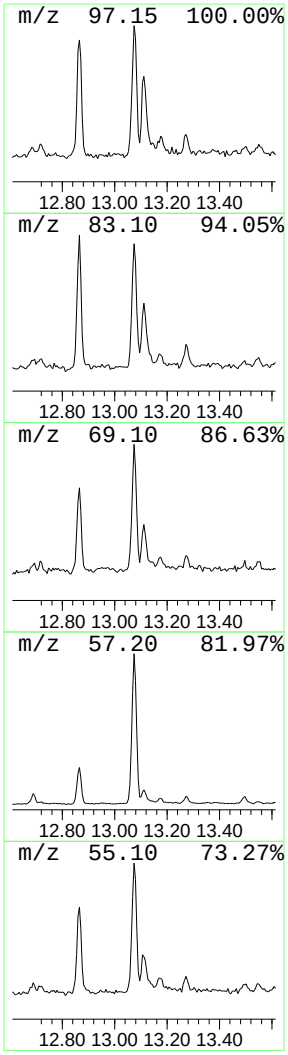
Peak Number 12 Unknown Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.111	6.58 ppm	195264	Perylene-d12	12.566

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetracosane	336	C24H48	000297-03-0	94
2	Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	80
3	Tricosyl pentafluoropropionate	486	C26H47F5O2	1000351-81-0	72
4	1-Octadecanol	270	C18H38O	000112-92-5	72
5	1-Heneicosanol	312	C21H44O	015594-90-8	70





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Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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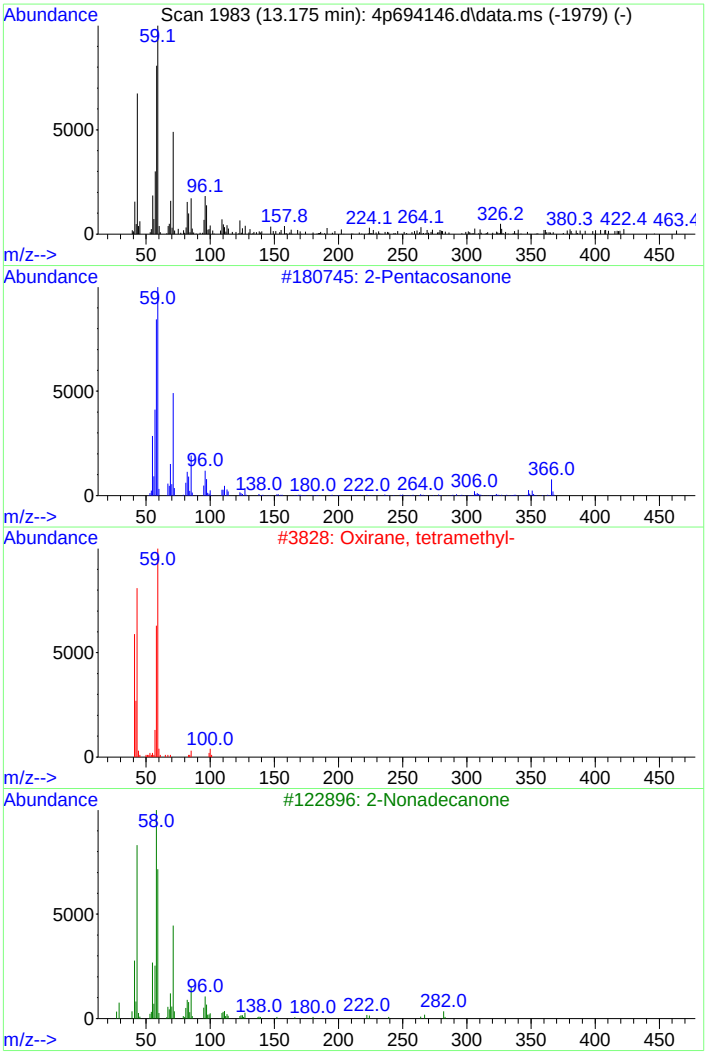
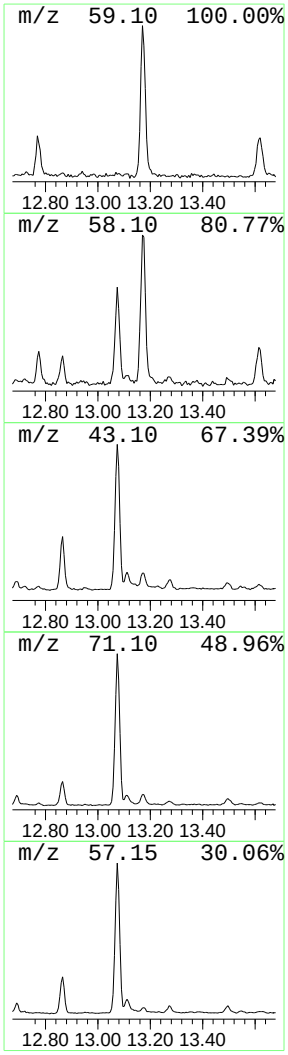
Peak Number 13 Unknown Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.175	4.98 ppm	147610	Perylene-d12	12.566

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentacosanone	366	C25H50O	075207-54-4	90
2	Oxirane, tetramethyl-	100	C6H12O	005076-20-0	53
3	2-Nonadecanone	282	C19H38O	000629-66-3	53
4	2-Tridecanone	198	C13H26O	000593-08-8	50
5	2-Tetradecanone	212	C14H28O	002345-27-9	50





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Sample : je1536-8
Misc : op59876,e4p3703,30.02,,,1,1
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Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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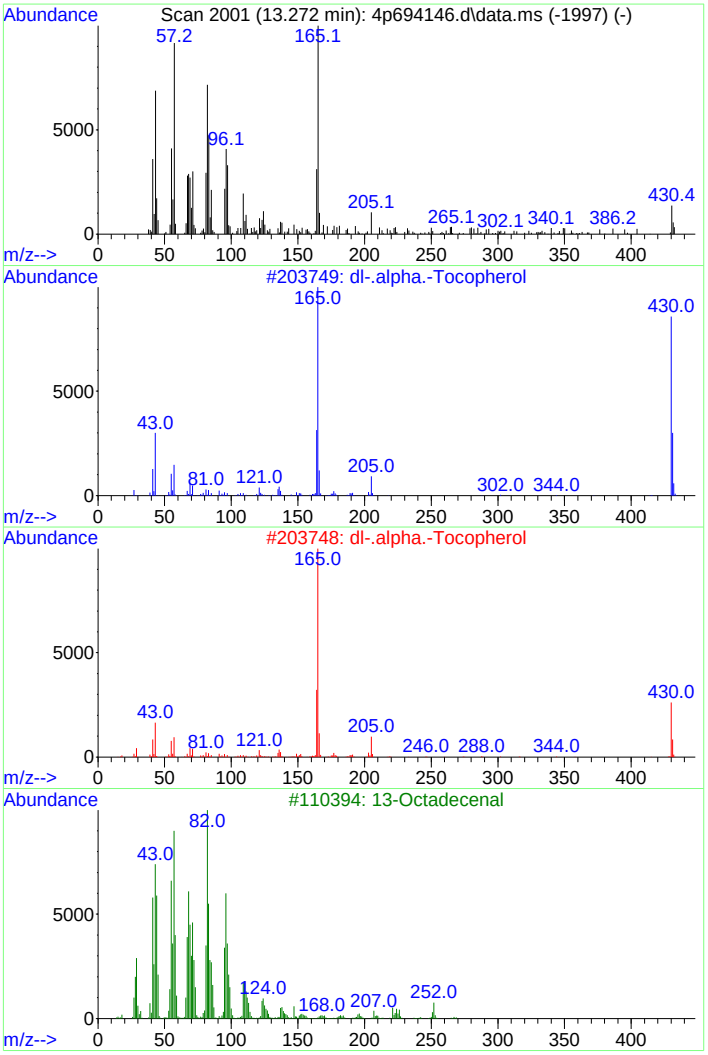
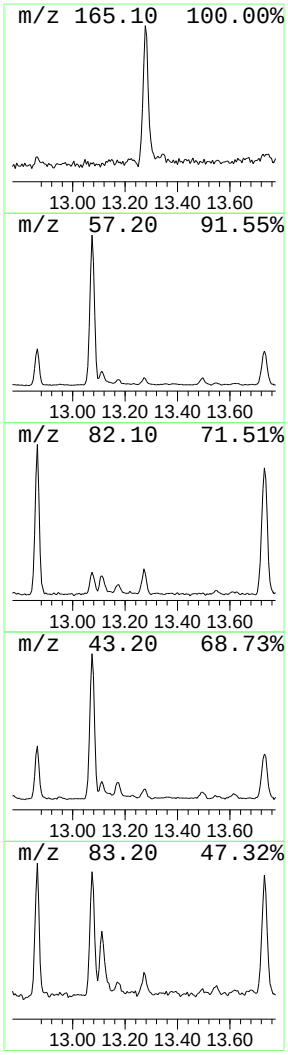
Peak Number 14 dl-.alpha.-Tocopherol Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.272	4.19 ppm	124114	Perylene-d12	12.566

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	dl-.alpha.-Tocopherol	430	C29H50O2	010191-41-0	49
2	dl-.alpha.-Tocopherol	430	C29H50O2	010191-41-0	42
3	13-Octadecenal	266	C18H34O	056554-90-6	38
4	Vitamin E	430	C29H50O2	000059-02-9	38
5	Oxirane, heptadecyl-	282	C19H38O	067860-04-2	27





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ALS Vial : 13 Sample Multiplier: 1

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Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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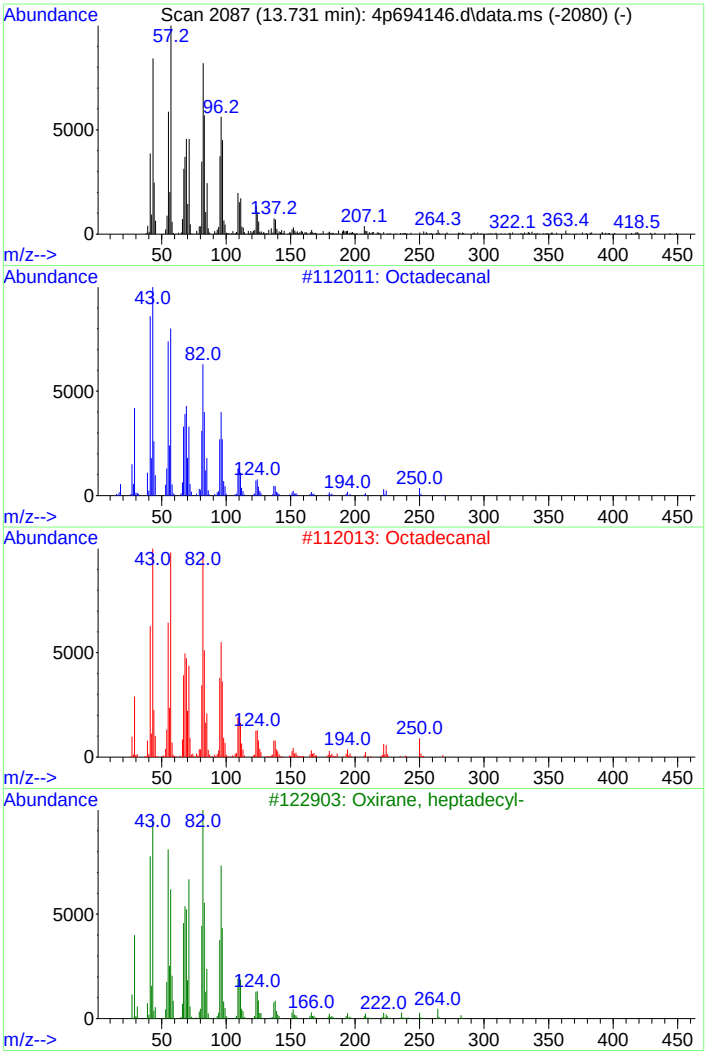
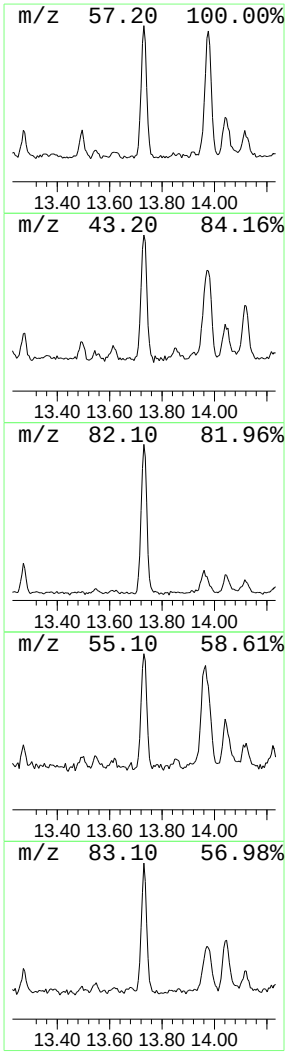
Peak Number 15 Unknown Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.731	18.81 ppm	557912	Perylene-d12	12.566

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanal	268	C18H36O	000638-66-4	91
2	Octadecanal	268	C18H36O	000638-66-4	90
3	Oxirane, heptadecyl-	282	C19H38O	067860-04-2	90
4	Tetradecanal	212	C14H28O	000124-25-4	86
5	1,19-Eicosadiene	278	C20H38	014811-95-1	81





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Misc : op59876,e4p3703,30.02,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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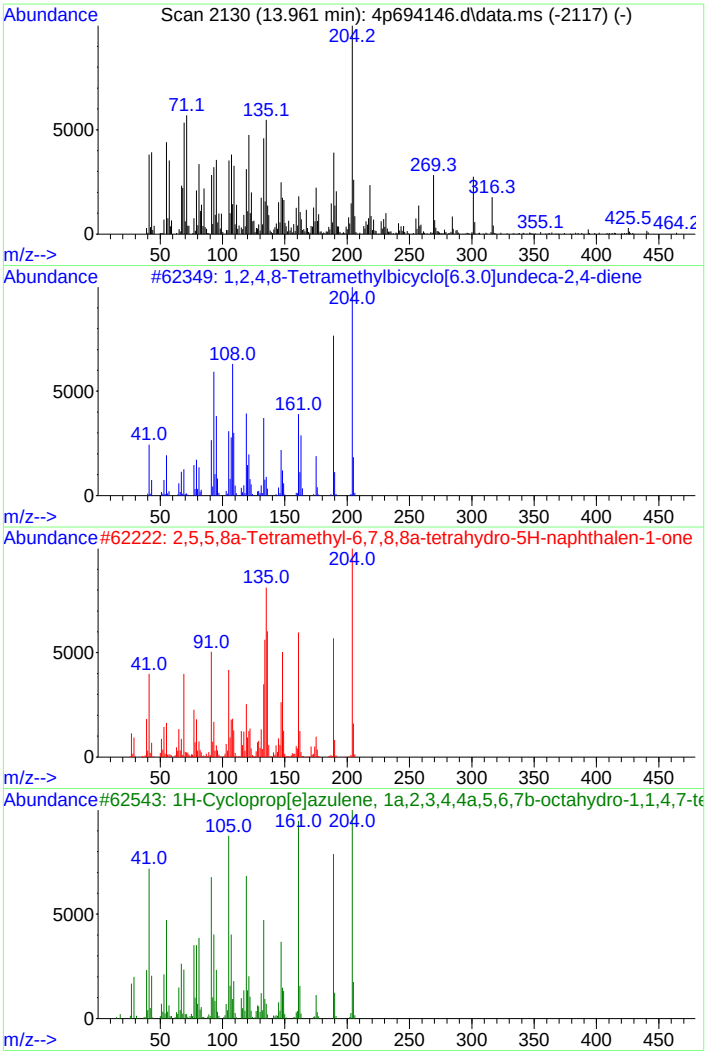
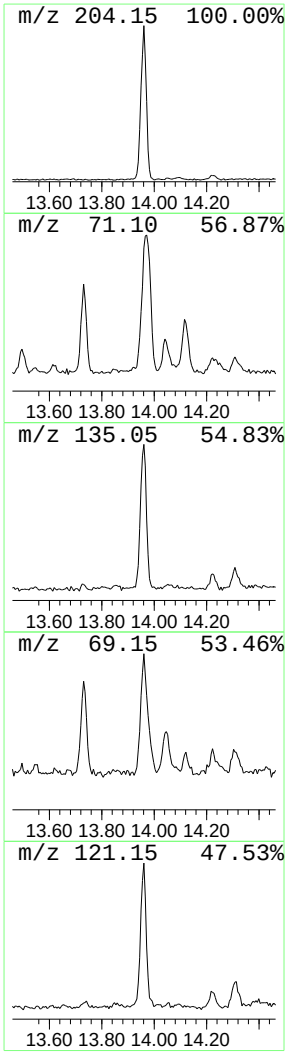
Peak Number 16 Unknown Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.961	44.63 ppm	1323350	Perylene-d12	12.566

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	64
2	2,5,5,8a-Tetramethyl-6,7,8,8a-te...	204	C14H20O	124957-09-1	55
3	1H-Cycloprop[e]azulene, 1a,2,3,4...	204	C15H24	000489-40-7	50
4	Farnesyl bromide	284	C15H25Br	006874-67-5	46
5	1,4-Dimethyl-8-isopropylidenetri...	204	C15H24	1000140-07-7	46





Library Search Compound Report

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Misc : op59876,e4p3703,30.02,,,1,1
ALS Vial : 13 Sample Multiplier: 1

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Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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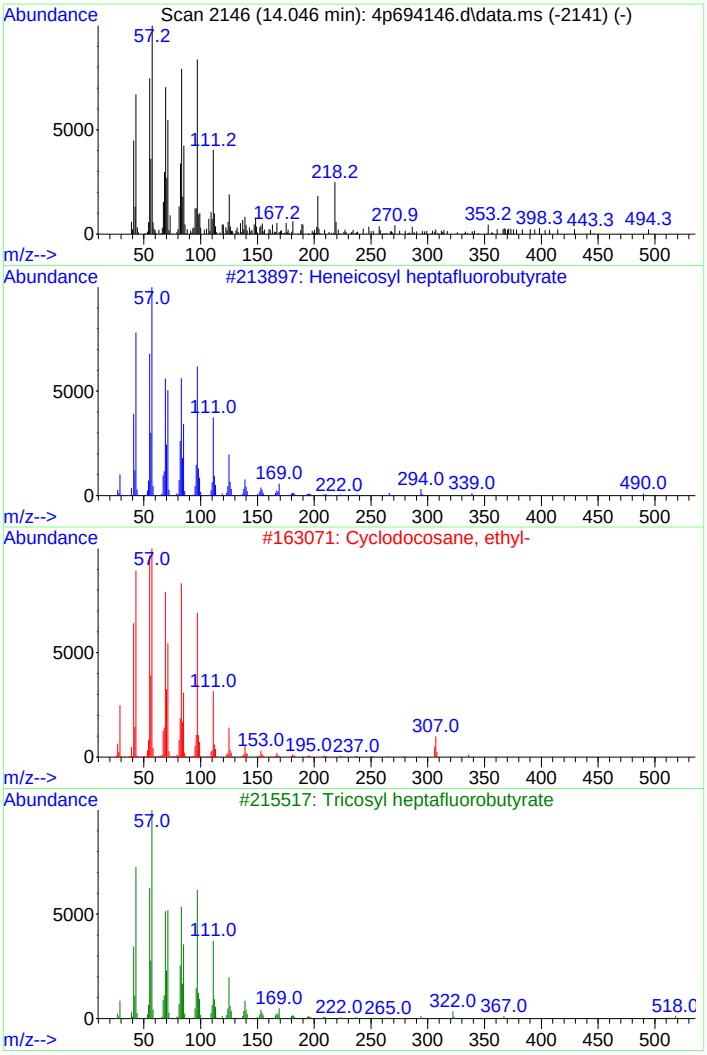
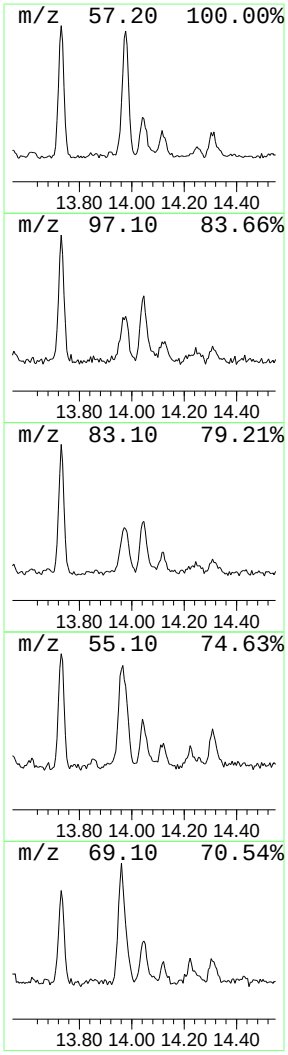
Peak Number 17 Unknown Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.046	6.07 ppm	180078	Perylene-d12	12.566

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosyl heptafluorobutyrate	508	C25H43F7O2	1000351-83-8	87
2	Cyclodocosane, ethyl-	336	C24H48	1000151-22-6	81
3	Tricosyl heptafluorobutyrate	536	C27H47F7O2	1000351-83-4	68
4	Octacosyl trifluoroacetate	506	C30H57F3O2	1000351-74-9	64
5	2- Chloropropionic acid, hexadec...	332	C19H37ClO2	086711-81-1	64





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694146.d
Acq On : 6 Dec 2024 1:54 pm
Operator : kaleigh
Sample : je1536-8
Misc : op59876,e4p3703,30.02,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

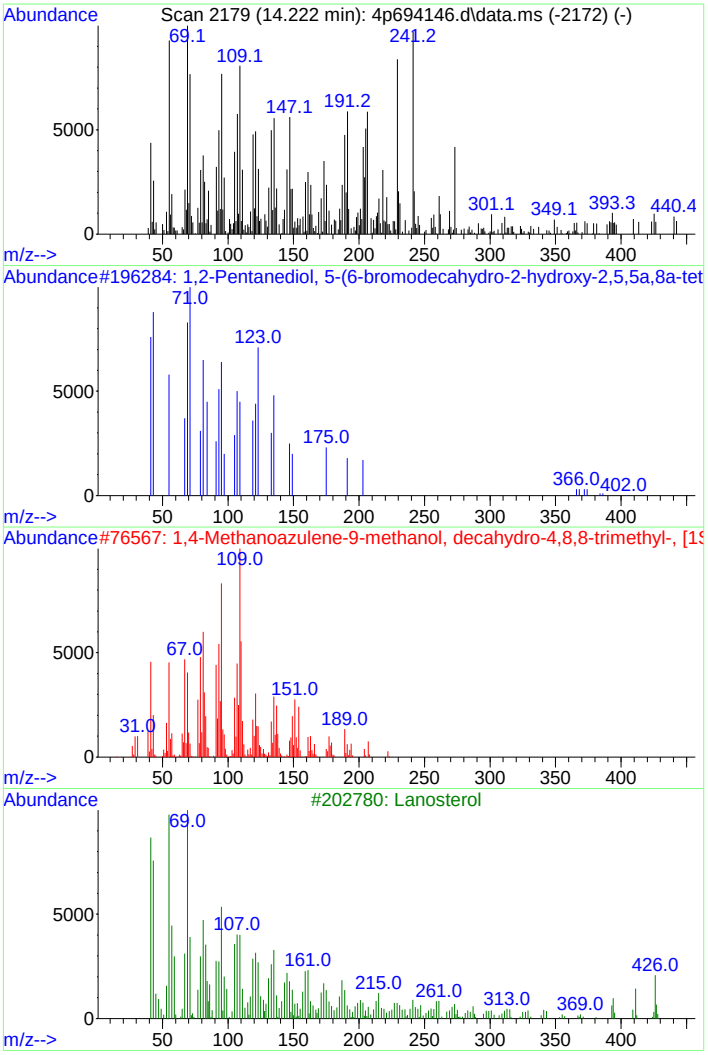
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

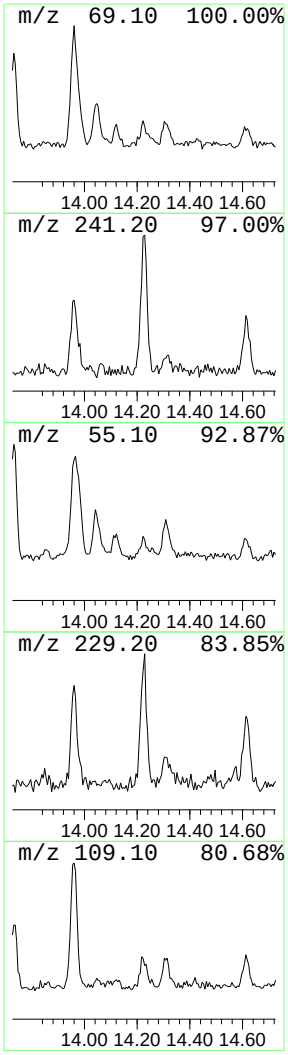
****

Peak Number 18 Unknown Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.223	6.48 ppm	192029	Perylene-d12	12.566

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Pentanediol, 5-(6-bromodecah...	402	C20H35BrO3	115346-29-7	15
2	1,4-Methanoazulene-9-methanol, d...	222	C15H26O	001139-17-9	14
3	Lanosterol	426	C30H50O	000079-63-0	11
4	Trisiloxane, 1,3,5-triethenyl-1,...	272	C11H24O2Si3	001529-65-3	11
5	Furan-2-carboxamide, N-(2-fluoro...	205	C11H8FNO2	1000308-20-1	10





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694146.d
Acq On : 6 Dec 2024 1:54 pm
Operator : kaleigh
Sample : je1536-8
Misc : op59876,e4p3703,30.02,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

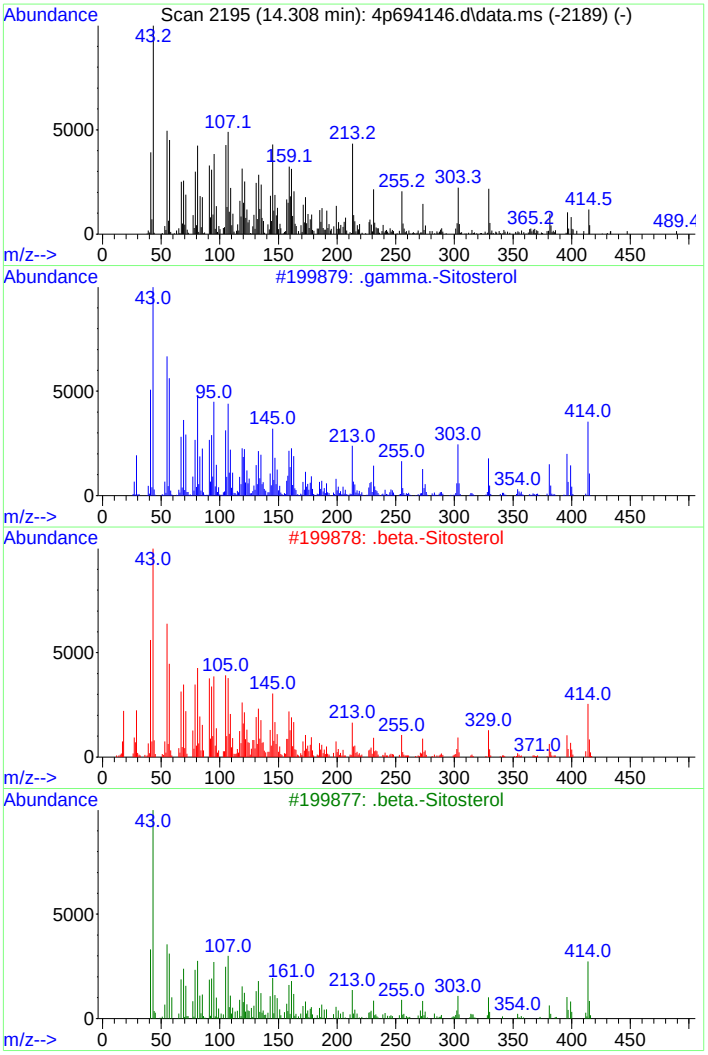
TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

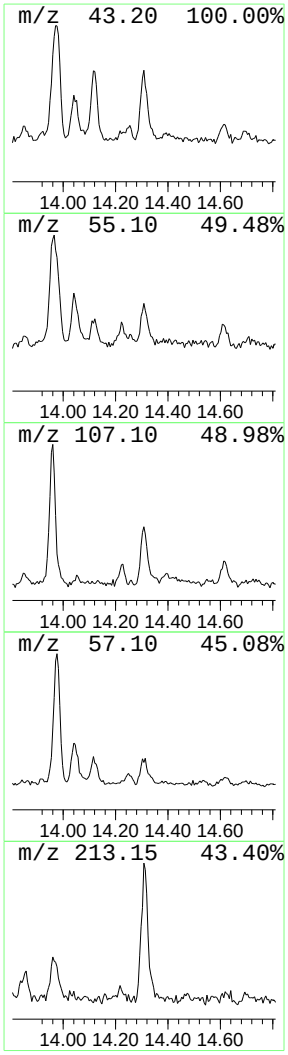
****

Peak Number 19 Sitosterol Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.308	13.37 ppm	396481	Perylene-d12	12.566

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.gamma.-Sitosterol	414	C29H50O	000083-47-6	98
2	.beta.-Sitosterol	414	C29H50O	000083-46-5	97
3	.beta.-Sitosterol	414	C29H50O	000083-46-5	97
4	Stigmastan-3,5-diene	396	C29H48	1000214-16-4	45
5	17-(1,5-Dimethylhexyl)-10,13-dim...	414	C29H50O	1000210-86-9	30





Library Search Compound Report

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Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694146.d
Acq On    :  6 Dec 2024    1:54 pm
Operator  : kaleigh
Sample    : je1536-8
Misc      : op59876,e4p3703,30.02,,,1,1
ALS Vial  : 13   Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title  : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library   : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

**********************************************************************
Peak Number 20  Unknown                          Concentration Rank 11
```
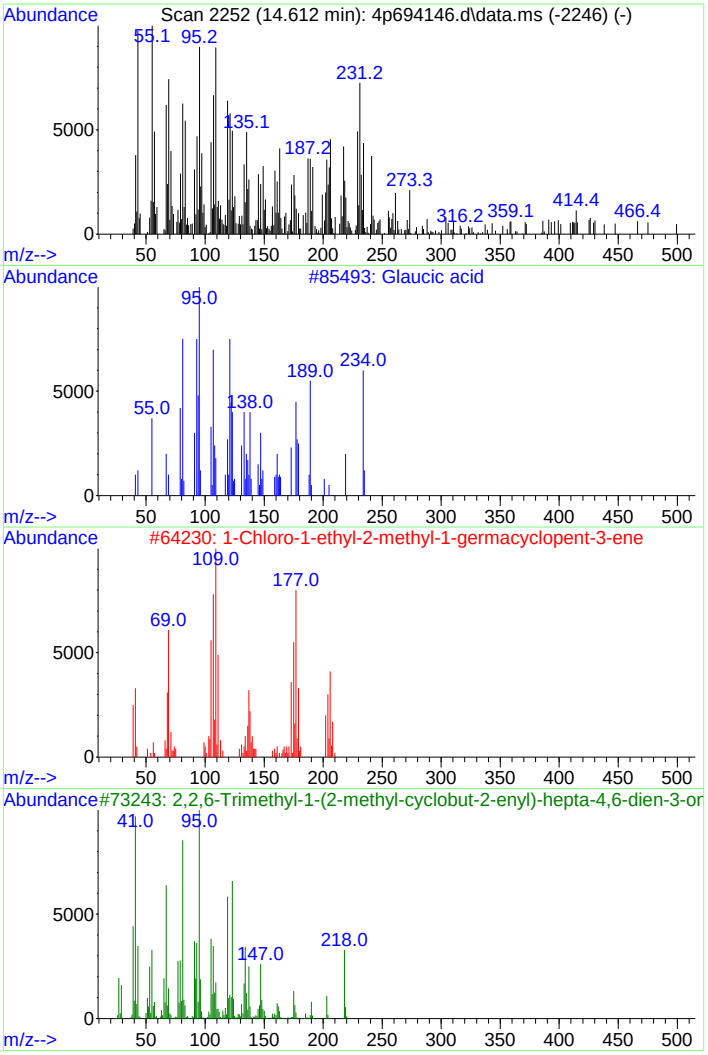
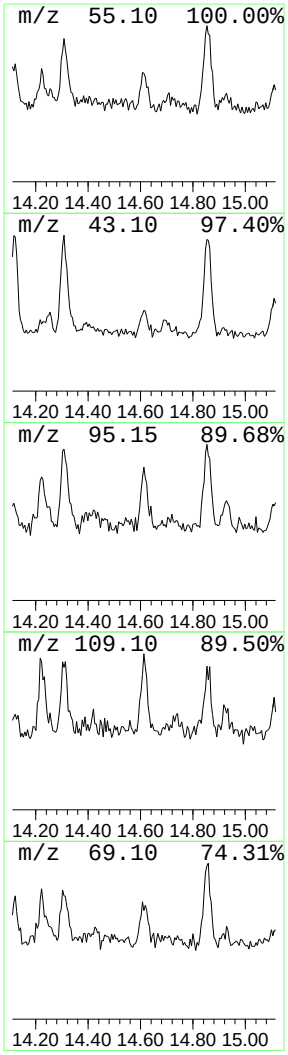

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.612	6.51 ppm	192915	Perylene-d12	12.566

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Glaucic acid	234	C15H22O2	087745-30-0	47
2	1-Chloro-1-ethyl-2-methyl-1-germ...	206	C7H13ClGe	026311-85-3	44
3	2,2,6-Trimethyl-1-(2-methyl-cycl...	218	C15H22O	1000188-72-8	43
4	Lanosterol	426	C30H50O	000079-63-0	38
5	Cholestan-3-one, (5.alpha.)-	386	C27H46O	000566-88-1	38





Library Search Compound Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694146.d
Acq On : 6 Dec 2024 1:54 pm
Operator : kaleigh
Sample : je1536-8
Misc : op59876,e4p3703,30.02,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

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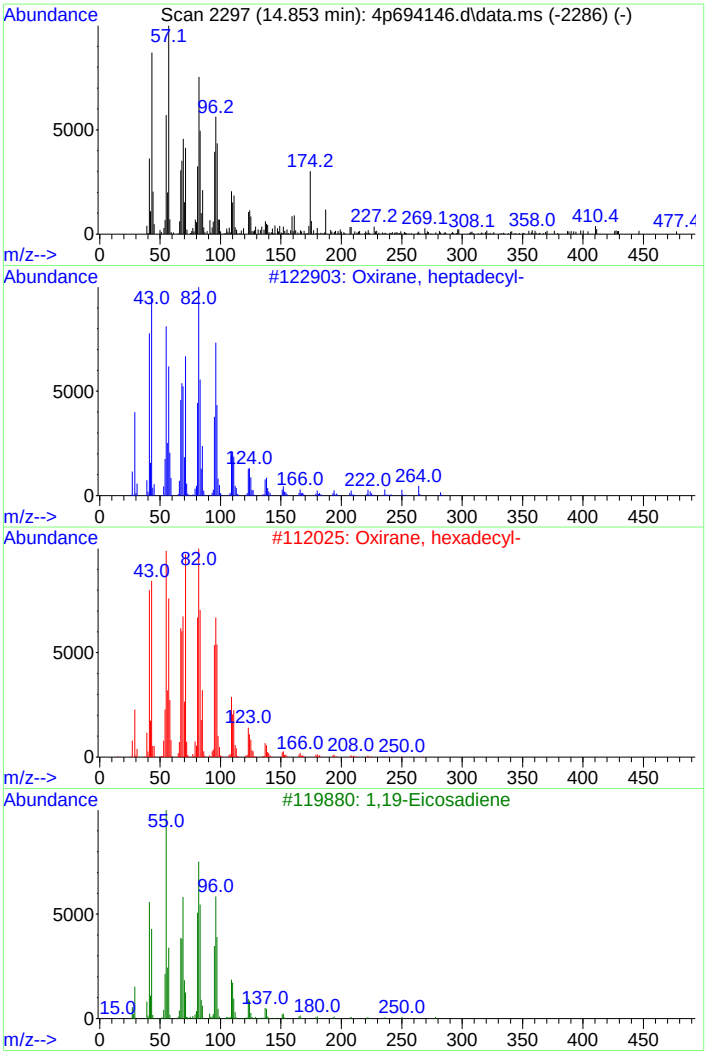
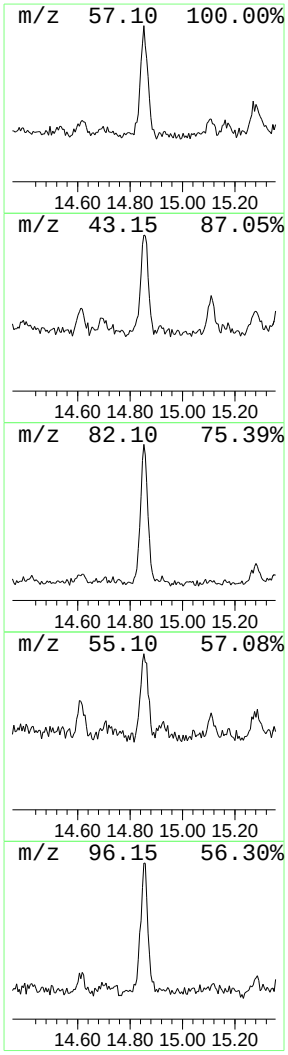
Peak Number 21 Oxirane, hexadecyl Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.853	11.19 ppm	331959	Perylene-d12	12.566

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, heptadecyl-	282	C19H38O	067860-04-2	95
2	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	90
3	1,19-Eicosadiene	278	C20H38	014811-95-1	89
4	Octadecanal	268	C18H36O	000638-66-4	86
5	Octadecanal	268	C18H36O	000638-66-4	83





Library Search Compound Report

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Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694146.d
Acq On    :  6 Dec 2024    1:54 pm
Operator  : kaleigh
Sample    : je1536-8
Misc      : op59876,e4p3703,30.02,,,1,1
ALS Vial  : 13   Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title  : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library   : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P
```

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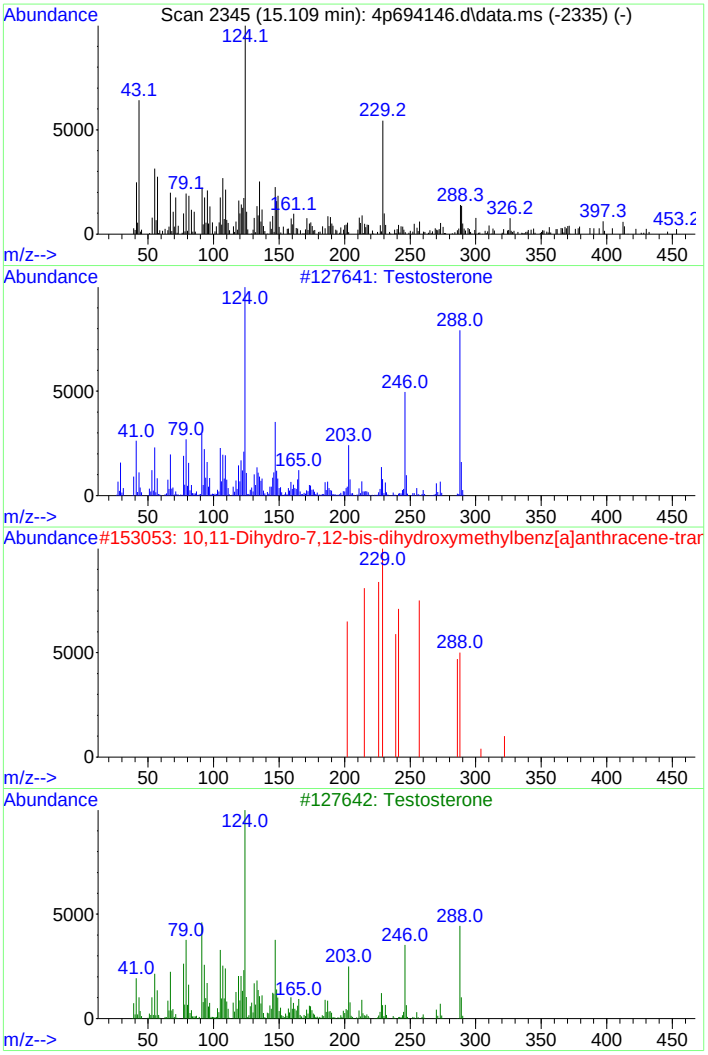
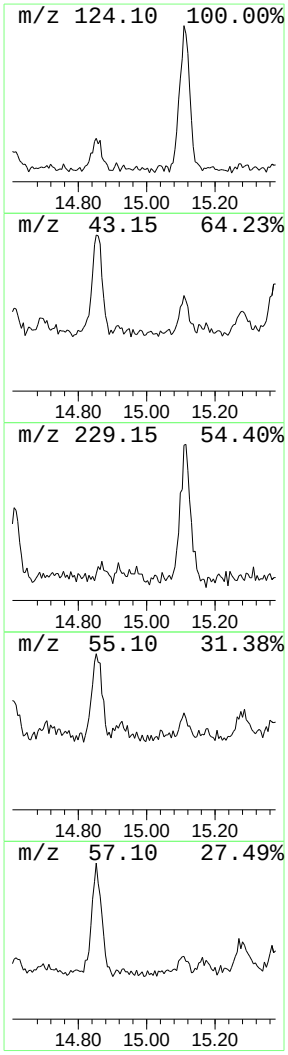
Peak Number 22 Unknown Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.109	5.97 ppm	176898	Perylene-d12	12.566

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Testosterone	288	C19H28O2	000058-22-0	55
2	10,11-Dihydro-7,12-bis-dihydroxy...	322	C20H18O4	073033-94-0	55
3	Testosterone	288	C19H28O2	000058-22-0	55
4	Androst-4-en-3-one, 17-hydroxy-,...	288	C19H28O2	000604-39-7	50
5	Testosterone	288	C19H28O2	000058-22-0	49





Tentatively Identified Compound (LSC) summary

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694146.d
Acq On : 6 Dec 2024 1:54 pm
Operator : kaleigh
Sample : je1536-8
Misc : op59876,e4p3703,30.02,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzeneacetic acid	5.547	5.6	ppm	97270	6	5.376	690931	40.0
Unknown	5.835	6.3	ppm	108325	6	5.376	690931	40.0
Unknown acid	8.560	5.7	ppm	105958	10	7.972	744547	40.0
Unknown	10.606	4.0	ppm	89278	11	10.964	881277	40.0
Unknown	10.852	10.7	ppm	235157	11	10.964	881277	40.0
Unknown	11.626	20.0	ppm	441149	13	10.964	881277	40.0
Alkane	12.342	34.7	ppm	1028000	14	12.566	1186170	40.0
Unknown	12.406	4.5	ppm	132124	14	12.566	1186170	40.0
Alkane	12.689	4.2	ppm	123152	14	12.566	1186170	40.0
Octadecanal	12.866	20.5	ppm	607125	14	12.566	1186170	40.0
Alkane	13.074	30.9	ppm	914923	14	12.566	1186170	40.0
Unknown	13.111	6.6	ppm	195264	14	12.566	1186170	40.0
Unknown	13.175	5.0	ppm	147610	14	12.566	1186170	40.0
dl-.alpha.-Toco...	13.272	4.2	ppm	124114	14	12.566	1186170	40.0
Unknown	13.731	18.8	ppm	557912	14	12.566	1186170	40.0
Unknown	13.961	44.6	ppm	1323350	14	12.566	1186170	40.0
Unknown	14.046	6.1	ppm	180078	14	12.566	1186170	40.0
Unknown	14.223	6.5	ppm	192029	14	12.566	1186170	40.0
Sitosterol	14.308	13.4	ppm	396481	14	12.566	1186170	40.0
Unknown	14.612	6.5	ppm	192915	14	12.566	1186170	40.0
Oxirane, hexadecyl	14.853	11.2	ppm	331959	14	12.566	1186170	40.0
Unknown	15.109	6.0	ppm	176898	14	12.566	1186170	40.0

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694137.d
Acq On : 6 Dec 2024 10:23 am
Operator : kaleigh
Sample : op59876-mb1 Inst : GCMS4P
Misc : op59876,e4p3703,30.0,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 06 18:33:52 2024
Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Fri Dec 06 18:18:31 2024
Response via : Initial Calibration

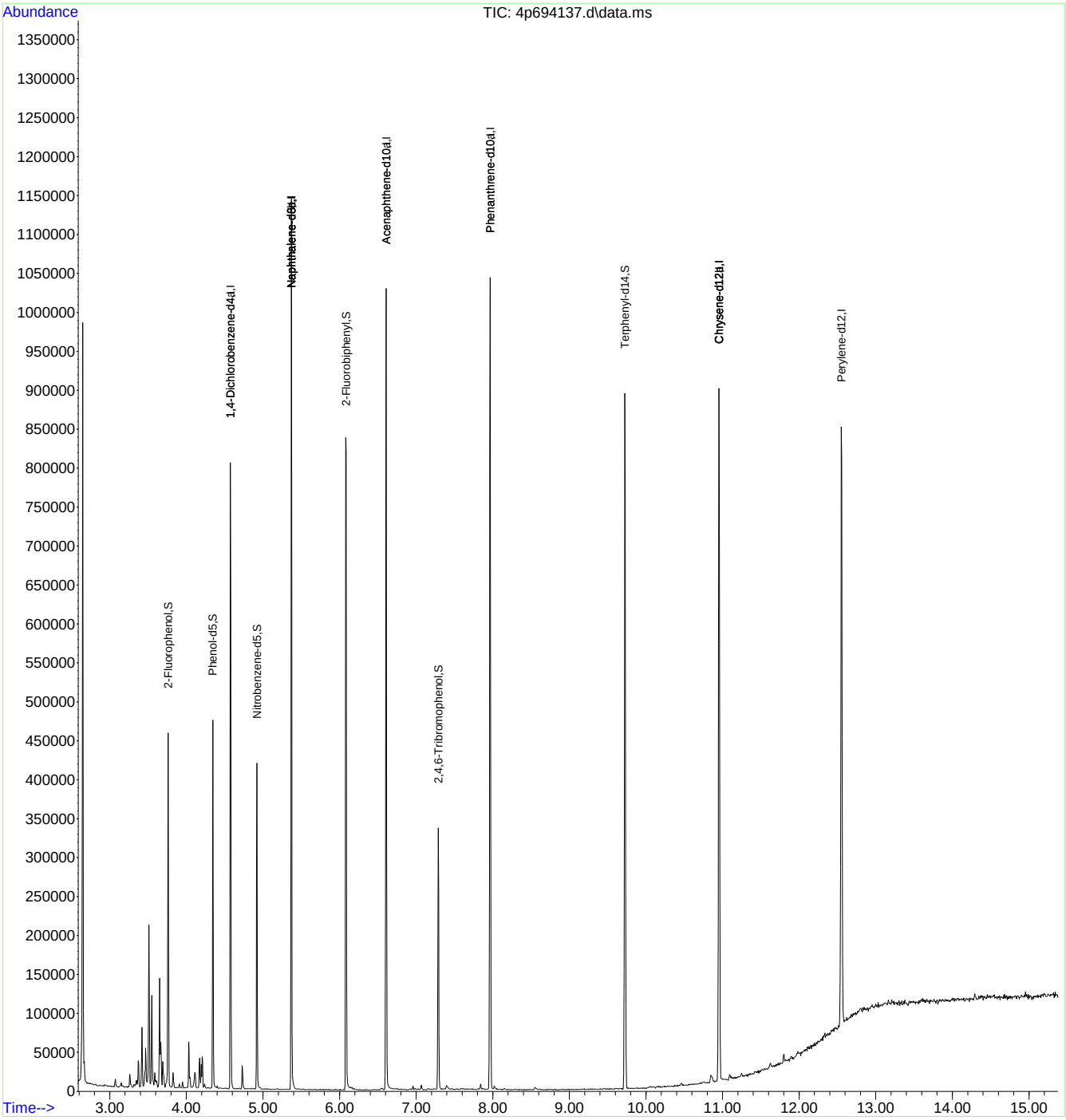
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.574	152	93151	40.00	ppm	0.00
24) Naphthalene-d8	5.370	136	352145	40.00	ppm	0.00
46) Acenaphthene-d10	6.610	164	199461	40.00	ppm	0.00
69) Phenanthrene-d10	7.967	188	359924	40.00	ppm	0.00
84) Chrysene-d12	10.953	240	320124	40.00	ppm	-0.01
93) Perylene-d12	12.550	264	315920	40.00	ppm	-0.01
103) 1,4-Dichlorobenzene-d4a	4.574	152	93151	40.00	ppm	0.00
105) Acenaphthene-d10a	6.610	164	199461	40.00	ppm	0.00
107) Chrysene-d12a	10.953	240	320124	40.00	ppm	-0.01
109) Phenanthrene-d10a	7.967	188	359924	40.00	ppm	0.00
111) Naphthalene-d8a	5.370	136	352145	40.00	ppm	0.00
113) Chrysene-d12b	10.953	240	320124	40.00	ppm	-0.01
115) Naphthalene-d8b	5.370	136	352145	40.00	ppm	0.00
118) Naphthalene-d8c	5.370	136	352145	40.00	ppm	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.762	112	82500	32.22	ppm	0.00
Spiked Amount 50.000			Recovery =	64.44%		
8) Phenol-d5	4.345	99	104856	31.13	ppm	0.00
Spiked Amount 50.000			Recovery =	62.26%		
25) Nitrobenzene-d5	4.922	82	93722	30.05	ppm	0.00
Spiked Amount 50.000			Recovery =	60.10%		
51) 2-Fluorobiphenyl	6.086	172	232472	34.23	ppm	0.00
Spiked Amount 50.000			Recovery =	68.46%		
74) 2,4,6-Tribromophenol	7.288	330	31725	34.98	ppm	-0.01
Spiked Amount 50.000			Recovery =	69.96%		
87) Terphenyl-d14	9.724	244	309058	38.81	ppm	0.00
Spiked Amount 50.000			Recovery =	77.62%		
108) 1-chlorooctadecane	0.000	57	0d	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
110) o-terphenyl	0.000	230	0	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694137.d
Acq On : 6 Dec 2024 10:23 am
Operator : kaleigh
Sample : op59876-mb1 Inst : GCMS4P
Misc : op59876,e4p3703,30.0,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 06 18:33:52 2024
Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Fri Dec 06 18:18:31 2024
Response via : Initial Calibration



LSC Area Percent Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694137.d
Acq On : 6 Dec 2024 10:23 am
Operator : kaleigh
Sample : op59876-mb1
Misc : op59876,e4p3703,30.0,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.02 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 7

Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

Signal : TIC: 4p694137.d\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.189	480	488	493	rBV7	1152	2421	0.27%	0.038%
2	5.370	518	522	534	rVV	1143531	717267	79.52%	11.251%
3	5.477	541	542	547	rVB5	978	1243	0.14%	0.019%
4	5.525	547	551	554	rVB2	1131	1429	0.16%	0.022%
5	5.947	627	630	634	rVB3	1620	1651	0.18%	0.026%
6	5.990	634	638	640	rBV3	1016	1272	0.14%	0.020%
7	6.081	650	655	664	rBV	837677	662513	73.45%	10.392%
8	6.161	668	670	674	rVB3	2594	2010	0.22%	0.032%
9	6.188	674	675	679	rVB3	1401	1187	0.13%	0.019%
10	6.215	679	680	687	rVB3	948	1188	0.13%	0.019%
11	6.364	702	708	713	rBV5	896	1699	0.19%	0.027%
12	6.546	736	742	747	rBV7	2517	4222	0.47%	0.066%
13	6.610	749	754	765	rBV	1028660	832576	92.31%	13.060%
14	6.722	772	775	779	rVV3	1734	2695	0.30%	0.042%
15	6.754	779	781	785	rVV3	1631	1888	0.21%	0.030%
16	6.850	798	799	803	rVB2	1151	1238	0.14%	0.019%
17	6.920	807	812	815	rBV4	1374	2079	0.23%	0.033%
18	6.957	815	819	822	rVB3	4857	4252	0.47%	0.067%
19	6.989	822	825	828	rBV4	2008	1851	0.21%	0.029%
20	7.027	828	832	836	rVV5	1171	1786	0.20%	0.028%
21	7.069	836	840	845	rVB	6701	6348	0.70%	0.100%
22	7.155	852	856	860	rBV2	2088	3019	0.33%	0.047%
23	7.230	867	870	875	rVV4	1322	1836	0.20%	0.029%
24	7.288	875	881	889	rVV	336044	280410	31.09%	4.399%
25	7.368	893	896	898	rVV3	1155	1560	0.17%	0.024%
26	7.395	898	901	911	rVV5	5260	9307	1.03%	0.146%
27	7.465	911	914	917	rVV5	1248	1406	0.16%	0.022%
28	7.588	932	937	940	rBV3	1707	2643	0.29%	0.041%
29	7.646	946	948	952	rBV5	1110	1383	0.15%	0.022%
30	7.732	962	964	969	rVB4	1081	1352	0.15%	0.021%
31	7.844	981	985	988	rVB	6964	5923	0.66%	0.093%
32	7.871	988	990	997	rVB3	1879	2755	0.31%	0.043%
33	7.967	997	1008	1014	rBV	1042725	881340	97.72%	13.825%
34	8.020	1014	1018	1023	rVV	4674	5406	0.60%	0.085%
35	8.154	1040	1043	1050	rVV4	2014	2758	0.31%	0.043%
36	8.554	1114	1118	1125	rVV4	3190	5361	0.59%	0.084%
37	8.608	1125	1128	1131	rVB2	966	1231	0.14%	0.019%
38	9.025	1202	1206	1208	rBV5	1407	1516	0.17%	0.024%
39	9.302	1254	1258	1261	rVB3	1279	1425	0.16%	0.022%
40	9.457	1283	1287	1289	rBV4	1277	1686	0.19%	0.026%

LSC Area Percent Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694137.d
Acq On : 6 Dec 2024 10:23 am
Operator : kaleigh
Sample : op59876-mb1
Misc : op59876,e4p3703,30.0,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.02 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 7

Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

41	9.607	1307	1315	1316	rBV5	1317	1747	0.19%	0.027%
42	9.682	1321	1329	1330	rVB4	1138	2120	0.24%	0.033%
43	9.724	1332	1337	1343	rBV	894149	844206	93.60%	13.242%
44	9.943	1374	1378	1380	rVB5	1041	1300	0.14%	0.020%
45	9.965	1380	1382	1385	rBV4	1553	1203	0.13%	0.019%
46	10.018	1389	1392	1393	rBV3	1633	1740	0.19%	0.027%
47	10.056	1393	1399	1402	rBV5	1971	2508	0.28%	0.039%
48	10.093	1405	1406	1412	rVB5	2112	3067	0.34%	0.048%
49	10.141	1412	1415	1418	rBV5	2383	3641	0.40%	0.057%
50	10.184	1421	1423	1425	rVB3	1787	1453	0.16%	0.023%
51	10.211	1425	1428	1431	rBV5	1624	2568	0.28%	0.040%
52	10.280	1438	1441	1445	rBV5	1630	1703	0.19%	0.027%
53	10.376	1455	1459	1462	rBV5	2227	2265	0.25%	0.036%
54	10.408	1462	1465	1468	rBV5	1565	1200	0.13%	0.019%
55	10.462	1469	1475	1478	rBV8	3510	5159	0.57%	0.081%
56	10.558	1489	1493	1495	rBV3	1849	1541	0.17%	0.024%
57	10.707	1514	1521	1525	rBV7	2270	3126	0.35%	0.049%
58	10.750	1525	1529	1533	rBV7	2675	5227	0.58%	0.082%
59	10.809	1537	1540	1543	rVB5	1420	1472	0.16%	0.023%
60	10.846	1543	1547	1556	rBV7	10422	22185	2.46%	0.348%
61	10.910	1556	1559	1560	rBV3	1613	1650	0.18%	0.026%
62	10.953	1560	1567	1575	rBV	889762	888217	98.48%	13.933%
63	11.001	1575	1576	1581	rVB5	1224	1511	0.17%	0.024%
64	11.092	1590	1593	1596	rBV3	7577	9460	1.05%	0.148%
65	11.135	1600	1601	1603	rVV2	2526	1231	0.14%	0.019%
66	11.247	1618	1622	1627	rBV7	4598	6502	0.72%	0.102%
67	11.311	1630	1634	1637	rVB6	2723	3647	0.40%	0.057%
68	11.338	1637	1639	1642	rBV4	3311	3748	0.42%	0.059%
69	11.359	1642	1643	1645	rBV2	2454	1273	0.14%	0.020%
70	11.397	1645	1650	1651	rBV5	1350	1592	0.18%	0.025%
71	11.429	1651	1656	1659	rBV7	3749	6373	0.71%	0.100%
72	11.461	1659	1662	1663	rBV3	3114	1769	0.20%	0.028%
73	11.487	1665	1667	1668	rBV2	3006	2278	0.25%	0.036%
74	11.519	1668	1673	1676	rBV7	3703	6657	0.74%	0.104%
75	11.546	1677	1678	1681	rBV3	2319	1781	0.20%	0.028%
76	11.578	1681	1684	1686	rBV4	1649	1854	0.21%	0.029%
77	11.626	1686	1693	1698	rBV10	8313	17030	1.89%	0.267%
78	11.669	1698	1701	1703	rBV4	1817	1752	0.19%	0.027%
79	11.701	1706	1707	1709	rBV2	2591	1631	0.18%	0.026%
80	11.760	1715	1718	1721	rBV4	3001	4188	0.46%	0.066%
81	11.803	1721	1726	1728	rBV4	12422	14151	1.57%	0.222%
82	11.893	1739	1743	1746	rBV6	6833	10721	1.19%	0.168%
83	11.984	1750	1760	1763	rVV6	9023	19037	2.11%	0.299%
84	12.070	1767	1776	1778	rBV10	8059	19382	2.15%	0.304%
85	12.086	1778	1779	1782	rBV3	2683	2349	0.26%	0.037%

LSC Area Percent Report

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694137.d
Acq On : 6 Dec 2024 10:23 am
Operator : kaleigh
Sample : op59876-mb1
Misc : op59876,e4p3703,30.0,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.02 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 7

Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

86	12.107	1782	1783	1785	rBV2	5835	4126	0.46%	0.065%
87	12.150	1789	1791	1793	rVB3	4436	3906	0.43%	0.061%
88	12.166	1793	1794	1797	rBV3	4861	5439	0.60%	0.085%
89	12.225	1803	1805	1807	rBV3	4888	4467	0.50%	0.070%
90	12.246	1807	1809	1810	rBV2	4121	2866	0.32%	0.045%
91	12.289	1814	1817	1818	rBV3	3282	2733	0.30%	0.043%
92	12.337	1819	1826	1827	rBV7	9286	11838	1.31%	0.186%
93	12.358	1828	1830	1832	rVV3	2360	2206	0.24%	0.035%
94	12.417	1839	1841	1843	rBV3	5737	5731	0.64%	0.090%
95	12.550	1857	1866	1873	rBV	772300	901949	100.00%	14.148%
96	12.828	1917	1918	1920	rBV2	6139	4757	0.53%	0.075%
97	13.165	1979	1981	1983	rBV3	6057	4622	0.51%	0.073%
98	13.304	2005	2007	2009	rVB3	7066	4955	0.55%	0.078%
99	13.437	2030	2032	2034	rBV3	4912	4088	0.45%	0.064%
100	14.292	2190	2192	2197	rVB6	7350	6991	0.78%	0.110%

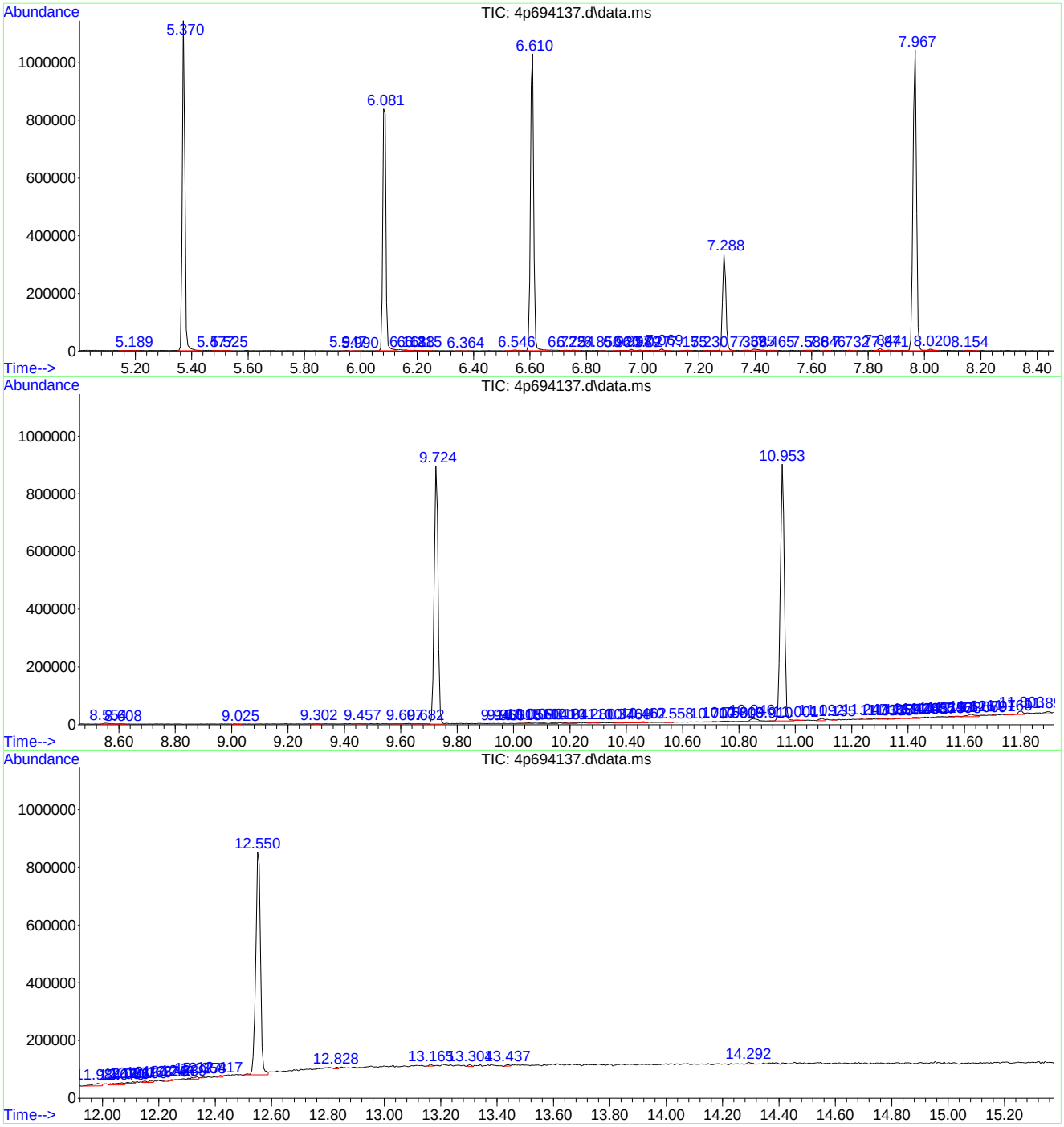
Sum of corrected areas: 6375021

LSC Report - Integrated Chromatogram

```
Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694137.d
Acq On    :  6 Dec 2024  10:23 am
Operator  : kaleigh
Sample    : op59876-mb1
Misc      : op59876,e4p3703,30.0,,,1,1
ALS Vial  : 4   Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title  : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library   : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P
```



Tentatively Identified Compound (LSC) summary

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694137.d
Acq On : 6 Dec 2024 10:23 am
Operator : kaleigh
Sample : op59876-mb1
Misc : op59876,e4p3703,30.0,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.P

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc

No Library Search Compounds Detected

GC/LC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Internal Standard Area Summaries
- DDT/Endrin Breakdown Checks
- GC Identification Summaries (Hits)
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59854-MB1	4G9742089.D	1	12/07/24	RK	12/06/24	OP59854	G4G4521

The QC reported here applies to the following samples: **Method:** SW846 8081B

JE1536-1, JE1536-2, JE1536-3, JE1536-4, JE1536-5, JE1536-6, JE1536-7, JE1536-8

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.40	0.078	ug/kg	
319-84-6	alpha-BHC	ND	0.40	0.046	ug/kg	
319-85-7	beta-BHC	ND	0.40	0.058	ug/kg	
319-86-8	delta-BHC	ND	0.40	0.060	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.40	0.070	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.40	0.054	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.40	0.060	ug/kg	
57-74-9	Chlordane (alpha and gamma)	ND	0.40	0.054	ug/kg	
60-57-1	Dieldrin	ND	0.40	0.064	ug/kg	
72-54-8	4,4'-DDD	ND	0.40	0.042	ug/kg	
72-55-9	4,4'-DDE	ND	0.40	0.048	ug/kg	
50-29-3	4,4'-DDT	ND	0.40	0.070	ug/kg	
72-20-8	Endrin	ND	0.40	0.058	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.40	0.048	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.40	0.12	ug/kg	
959-98-8	Endosulfan-I	ND	0.40	0.054	ug/kg	
33213-65-9	Endosulfan-II	ND	0.40	0.056	ug/kg	
76-44-8	Heptachlor	ND	0.40	0.052	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.40	0.072	ug/kg	
72-43-5	Methoxychlor	ND	0.40	0.16	ug/kg	
53494-70-5	Endrin ketone	ND	0.40	0.064	ug/kg	
8001-35-2	Toxaphene	ND	5.0	3.3	ug/kg	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	77%	46-145%
877-09-8	Tetrachloro-m-xylene	76%	46-145%
2051-24-3	Decachlorobiphenyl	75%	29-163%
2051-24-3	Decachlorobiphenyl	94%	29-163%

Method Blank Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59855-MB1	RM30403.D	1	12/10/24	MLC	12/06/24	OP59855	GRM722

The QC reported here applies to the following samples: **Method:** SW846 8082A

JE1536-1, JE1536-2, JE1536-3, JE1536-4, JE1536-5, JE1536-6, JE1536-7, JE1536-8

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	20	8.5	ug/kg	
11104-28-2	Aroclor 1221	ND	20	6.7	ug/kg	
11141-16-5	Aroclor 1232	ND	20	17	ug/kg	
53469-21-9	Aroclor 1242	ND	20	12	ug/kg	
12672-29-6	Aroclor 1248	ND	20	4.3	ug/kg	
11097-69-1	Aroclor 1254	ND	20	2.2	ug/kg	
11096-82-5	Aroclor 1260	ND	20	6.9	ug/kg	
11100-14-4	Aroclor 1268	ND	20	2.0	ug/kg	
37324-23-5	Aroclor 1262	ND	20	1.7	ug/kg	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	113%	35-154%
877-09-8	Tetrachloro-m-xylene	116%	35-154%
2051-24-3	Decachlorobiphenyl	91%	24-176%
2051-24-3	Decachlorobiphenyl	88%	24-176%

Blank Spike Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59854-BS1	4G9742090.D	1	12/07/24	RK	12/06/24	OP59854	G4G4521

The QC reported here applies to the following samples: **Method:** SW846 8081B

JE1536-1, JE1536-2, JE1536-3, JE1536-4, JE1536-5, JE1536-6, JE1536-7, JE1536-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
309-00-2	Aldrin	5	4.1	82	71-115
319-84-6	alpha-BHC	5	4.2	84	69-110
319-85-7	beta-BHC	5	4.2	84	67-115
319-86-8	delta-BHC	5	4.2	84	58-110
58-89-9	gamma-BHC (Lindane)	5	4.2	84	70-108
5103-71-9	alpha-Chlordane	5	4.0	80	69-112
5103-74-2	gamma-Chlordane	5	4.3	86	68-111
57-74-9	Chlordane (alpha and gamma)	10	8.3	83	67-110
60-57-1	Dieldrin	5	4.2	84	71-112
72-54-8	4,4'-DDD	5	4.8	96	69-120
72-55-9	4,4'-DDE	5	4.6	92	71-108
50-29-3	4,4'-DDT	5	5.4	108	57-112
72-20-8	Endrin	5	4.4	88	71-121
1031-07-8	Endosulfan sulfate	5	4.0	80	68-108
7421-93-4	Endrin aldehyde	5	4.0	80	66-126
959-98-8	Endosulfan-I	5	3.9	78	65-114
33213-65-9	Endosulfan-II	5	4.2	84	65-115
76-44-8	Heptachlor	5	4.3	86	66-114
1024-57-3	Heptachlor epoxide	5	4.0	80	69-118
72-43-5	Methoxychlor	5	5.9	118* [a]	61-111
53494-70-5	Endrin ketone	5	4.5	90	70-108

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	90%	46-145%
877-09-8	Tetrachloro-m-xylene	82%	46-145%
2051-24-3	Decachlorobiphenyl	85%	29-163%
2051-24-3	Decachlorobiphenyl	105%	29-163%

(a) Outside of in house control limits.

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59855-BS1	RM30404.D	1	12/10/24	MLC	12/06/24	OP59855	GRM722

The QC reported here applies to the following samples: **Method:** SW846 8082A

JE1536-1, JE1536-2, JE1536-3, JE1536-4, JE1536-5, JE1536-6, JE1536-7, JE1536-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
12674-11-2	Aroclor 1016	40	47.0	118	64-128
11104-28-2	Aroclor 1221		ND		50-150
11141-16-5	Aroclor 1232		ND		50-150
53469-21-9	Aroclor 1242		ND		50-150
12672-29-6	Aroclor 1248		ND		50-150
11097-69-1	Aroclor 1254		ND		50-150
11096-82-5	Aroclor 1260	40	39.8	100	62-132
11100-14-4	Aroclor 1268		ND		50-150
37324-23-5	Aroclor 1262		ND		50-150

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	116%	35-154%
877-09-8	Tetrachloro-m-xylene	118%	35-154%
2051-24-3	Decachlorobiphenyl	94%	24-176%
2051-24-3	Decachlorobiphenyl	91%	24-176%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59854-MS	4G9742091.D	1	12/07/24	RK	12/06/24	OP59854	G4G4521
OP59854-MSD	4G9742092.D	1	12/07/24	RK	12/06/24	OP59854	G4G4521
JE1510-1	4G9742093.D	1	12/07/24	RK	12/06/24	OP59854	G4G4521

The QC reported here applies to the following samples: **Method:** SW846 8081B

JE1536-1, JE1536-2, JE1536-3, JE1536-4, JE1536-5, JE1536-6, JE1536-7, JE1536-8

CAS No.	Compound	JE1510-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
309-00-2	Aldrin	ND		5.58	4.8	86	5.59	4.8	86	0	34-125/32
319-84-6	alpha-BHC	ND		5.58	5.8	104	5.59	5.9	106	2	43-124/28
319-85-7	beta-BHC	ND		5.58	4.9	88	5.59	5.0	89	2	21-145/34
319-86-8	delta-BHC	ND		5.58	5.1	91	5.59	4.9	88	4	36-119/32
58-89-9	gamma-BHC (Lindane)	ND		5.58	5.5	99	5.59	5.4	97	2	48-118/28
5103-71-9	alpha-Chlordane	1.7		5.58	7.4	102	5.59	9.3	136* [a]	23	28-132/33
5103-74-2	gamma-Chlordane	2.2		5.58	10.3	145* [a]	5.59	14.3	217* [a]	33	20-132/33
57-74-9	Chlordane (alpha and gamma)	3.9		11.2	17.7	124	11.2	23.6	176* [a]	29	20-125/32
60-57-1	Dieldrin	0.30	J	5.58	5.9	100	5.59	5.6	95	5	32-134/32
72-54-8	4,4'-DDD	0.79		5.58	8.1	131	5.59	8.7	142* [a]	7	28-135/33
72-55-9	4,4'-DDE	1.0		5.58	5.9	88	5.59	6.3	95	7	23-133/32
50-29-3	4,4'-DDT	3.7		5.58	13.8	181* [a]	5.59	14.9	200* [a]	8	10-144/41
72-20-8	Endrin	ND		5.58	6.6	118	5.59	6.2	111	6	33-143/33
1031-07-8	Endosulfan sulfate	ND		5.58	7.5	135* [a]	5.59	8.1	145* [a]	8	18-133/34
7421-93-4	Endrin aldehyde	ND		5.58	7.7	138	5.59	8.3	149* [a]	8	20-139/36
959-98-8	Endosulfan-I	0.70		5.58	5.5	86	5.59	5.0	77	10	32-127/31
33213-65-9	Endosulfan-II	ND		5.58	5.3	95	5.59	5.1	91	4	28-128/33
76-44-8	Heptachlor	1.2		5.58	7.1	106	5.59	10.4	165* [a]	38* [b]	30-133/34
1024-57-3	Heptachlor epoxide	1.5		5.58	8.6	127	5.59	10.0	152* [a]	15	37-131/32
72-43-5	Methoxychlor	ND		5.58	9.3	167* [a]	5.59	8.9	159* [a]	4	13-136/37
53494-70-5	Endrin ketone	ND		5.58	25.4	456* [a]	5.59	29.1	521* [a]	14	24-149/34
8001-35-2	Toxaphene	ND			ND			ND		nc	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	JE1510-1	Limits
877-09-8	Tetrachloro-m-xylene	100%	99%	103%	46-145%
877-09-8	Tetrachloro-m-xylene	89%	86%	93%	46-145%
2051-24-3	Decachlorobiphenyl	199%* [a]	209%* [a]	140%	29-163%
2051-24-3	Decachlorobiphenyl	209%* [a]	189%* [a]	119%	29-163%

(a) Outside of in house control limits.
(b) Analytical precision exceeds in-house control limits.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59855-MS	RM30405.D	1	12/10/24	MLC	12/06/24	OP59855	GRM722
OP59855-MSD	RM30406.D	1	12/10/24	MLC	12/06/24	OP59855	GRM722
JE1512-1	RM30407.D	1	12/10/24	MLC	12/06/24	OP59855	GRM722

The QC reported here applies to the following samples: **Method:** SW846 8082A

JE1536-1, JE1536-2, JE1536-3, JE1536-4, JE1536-5, JE1536-6, JE1536-7, JE1536-8

CAS No.	Compound	JE1512-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	ND		46.1	59.4	129	46.3	59.0	128	1	26-163/38
11104-28-2	Aroclor 1221	ND			ND			ND		nc	50-150/30
11141-16-5	Aroclor 1232	ND			ND			ND		nc	50-150/30
53469-21-9	Aroclor 1242	ND			ND			ND		nc	50-150/30
12672-29-6	Aroclor 1248	ND			ND			ND		nc	10-235/18
11097-69-1	Aroclor 1254	ND			ND			ND		nc	10-214/28
11096-82-5	Aroclor 1260	ND		46.1	55.8	121	46.3	58.6	127	5	16-173/39
11100-14-4	Aroclor 1268	ND			ND			ND		nc	50-150/30
37324-23-5	Aroclor 1262	ND			ND			ND		nc	10-153/15

CAS No.	Surrogate Recoveries	MS	MSD	JE1512-1	Limits
877-09-8	Tetrachloro-m-xylene	112%	111%	115%	35-154%
877-09-8	Tetrachloro-m-xylene	115%	114%	119%	35-154%
2051-24-3	Decachlorobiphenyl	91%	91%	94%	24-176%
2051-24-3	Decachlorobiphenyl	112%	107%	106%	24-176%

* = Outside of Control Limits.

Internal Standard Area Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G4G4521-CC4506	**Injection Date:**	12/07/24
Lab File ID:	4G9742087.D	**Injection Time:**	08:13
Instrument ID:	GC4G	**Method:**	SW846 8081B

	IS 1 AREA	RT	IS 2 AREA	RT
Initial Cal [a]	672786648	5.23	1168828131	4.91
Check Std [b]	411077638	5.21	1116733232	4.89
Upper Limit [c]	1009179972	5.71	1753242197	5.39
Lower Limit [d]	336393324	4.71	584414066	4.39

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT
OP59854-MB1	540052879	5.21	1461980335	4.89
OP59854-BS1	492543660	5.21	1303567516	4.89
OP59854-MS	409816499	5.21	1001139874	4.89
OP59854-MSD	422702892	5.21	1043313515	4.89
JE1510-1	381204540	5.21	944690883	4.89
ZZZZZZ	370793938	5.21	1006179030	4.89
ZZZZZZ	353368130	5.21	974347181	4.89
ZZZZZZ	352703791	5.21	1029841951	4.89
ZZZZZZ	307020246*	5.21	900008662	4.89
JE1536-1	348035100	5.21	846540511	4.89
JE1536-5	271167657*	5.21	804964102	4.89
JE1536-6	350826207	5.21	886213933	4.89
JE1536-7	322809368*	5.21	837827681	4.89
JE1536-8	280157448*	5.21	792681683	4.89
ZZZZZZ	341861417	5.21	981045975	4.89

IS 1 = 1-Bromo-2-nitrobenzene (Signal #2)
IS 2 = 1-Bromo-2-nitrobenzene (Signal #1)

(a) Initial Cal is: G4G4506-ICC4506 4G9741759.D 11/25/24 17:56. Area is AVERAGE of initial cal points.
(b) Check Std Limit = -50 to + 50% of initial cal area.
(c) Upper Limit = + 50% of initial standard area; Retention time + 0.5 minutes of check standard.
(d) Lower Limit = -50% of initial standard area; Retention time -0.5 minutes of check standard.

Internal Standard Area Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G6G3881-CC3879	**Injection Date:**	12/09/24
Lab File ID:	6G103196.D	**Injection Time:**	18:23
Instrument ID:	GC6G	**Method:**	SW846 8081B

	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT
Initial Cal [a]	534320176	5.24	286368510	4.85
Check Std [b]	513216885	5.24	294902250	4.84
Upper Limit [c]	801480264	5.74	429552765	5.34
Lower Limit [d]	267160088	4.74	143184255	4.34

Lab Sample ID	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT
OP59859-MB1	658424552	5.24	364867261	4.84
OP59859-BS1	568518507	5.24	298555148	4.84
ZZZZZZ	506036281	5.24	290697384	4.84
ZZZZZZ	531759703	5.24	309749199	4.84
ZZZZZZ	725763533	5.24	518388246	4.84
ZZZZZZ	480938965	5.24	271179352	4.84
ZZZZZZ	349709253	5.24	207340495	4.84
ZZZZZZ	459994563	5.24	264947533	4.84
JE1536-2 [e]	492531216	5.24	252640668	4.84

IS 1 = 1-Bromo-2-nitrobenzene (Signal #2)
IS 2 = 1-Bromo-2-nitrobenzene (Signal #1)

(a) Initial Cal is: G6G3879-ICC3879 6G103146.D 12/06/24 13:38. Area is AVERAGE of initial cal points.
(b) Check Std Limit = -50 to + 50% of initial cal area.
(c) Upper Limit = + 50% of initial standard area; Retention time + 0.5 minutes of check standard.
(d) Lower Limit = -50% of initial standard area; Retention time -0.5 minutes of check standard.
(e) Had TBA cleanup.

Internal Standard Area Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G6G3884-CC3879	**Injection Date:**	12/11/24
Lab File ID:	6G103255.D	**Injection Time:**	02:49
Instrument ID:	GC6G	**Method:**	SW846 8081B

	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT
Initial Cal [a]	534320176	5.24	286368510	4.85
Check Std [b]	696298668	7.24	412968293	4.84
Upper Limit [c]	801480264	6.74	429552765	5.34
Lower Limit [d]	267160088	4.74	143184255	4.34

Lab Sample ID	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT
OP59924-MB1	524472569	5.24	255250020	4.84
OP59924-BS1	531989741	5.24	259841050	4.84
OP59924-BSD	540172275	5.24	263544739	4.84
OP59924-LB52	547283201	5.24	261352030	4.84
OP59924-MS	525488718	5.24	249780925	4.84
OP59924-LS52	525488718	5.24	249780925	4.84
OP59924-MSD	526505506	5.24	250977043	4.84
ZZZZZZ	534638715	5.24	254664559	4.84
ZZZZZZ	529452652	5.24	253642283	4.84
JE1493-5	540872040	5.24	254944295	4.84
ZZZZZZ	540415257	5.24	256689652	4.84
ZZZZZZ	514993221	5.24	249643627	4.84
ZZZZZZ	524572993	5.24	250341715	4.84
ZZZZZZ	554847119	5.24	266195401	4.84
ZZZZZZ	547357491	5.24	264104667	3.84
ZZZZZZ	521458401	5.24	259232053	4.84
ZZZZZZ	551632051	5.24	237628054	4.84
ZZZZZZ	599972732	5.24	302630787	4.84
ZZZZZZ	537287614	5.24	276170008	4.84
ZZZZZZ	413593065	5.24	183478802	4.84
JE1536-3	450000356	5.24	327921550	4.84
JE1536-4	477541176	5.24	305026678	4.84
ZZZZZZ	411935244	6.24	260682790	4.84
ZZZZZZ	500728843	6.24	318311155	4.84
ZZZZZZ	546603791	5.24	339469863	4.84
ZZZZZZ	297933609	5.24	149396012	4.84
ZZZZZZ	381306944	6.24	232604404	7.84

IS 1 = 1-Bromo-2-nitrobenzene (Signal #2)
IS 2 = 1-Bromo-2-nitrobenzene (Signal #1)

(a) Initial Cal is: G6G3879-ICC3879 6G103146.D 12/06/24 13:38. Area is AVERAGE of initial cal points.
(b) Check Std Limit = -50 to + 50% of initial cal area.

Internal Standard Area Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G6G3884-CC3879	**Injection Date:**	12/11/24
Lab File ID:	6G103255.D	**Injection Time:**	02:49
Instrument ID:	GC6G	**Method:**	SW846 8081B

Lab	IS 1		IS 2	
Sample ID	**AREA**	**RT**	**AREA**	**RT**

(c) Upper Limit = + 50% of initial standard area; Retention time + 0.5 minutes of check standard.
(d) Lower Limit = -50% of initial standard area; Retention time -0.5 minutes of check standard.

DDT/Endrin Breakdown Check

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	G4G4506-DDT	**Injection Date:**	11/25/24
Lab File ID:	4G9741753.D	**Injection Time:**	15:37
Instrument ID:	GC4G		

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	13172208	18371733
4,4'-DDE	15395553	17283618
4,4'-DDT	1846933724	736065453
DDT Breakdown [a]	1.5 %	4.6 %
Endrin aldehyde	10118162	5879001
Endrin ketone	23574708	8573180
Endrin	1431742752	566653690
Endrin Breakdown [b]	2.3 %	2.5 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
G4G4506-IC4506	4G9741755.D	11/25/24	16:24	00:47	Initial cal 0.1
G4G4506-IC4506	4G9741756.D	11/25/24	16:47	01:10	Initial cal 0.2
G4G4506-IC4506	4G9741757.D	11/25/24	17:10	01:33	Initial cal 0.5
G4G4506-IC4506	4G9741758.D	11/25/24	17:33	01:56	Initial cal 1
G4G4506-ICC4506	4G9741759.D	11/25/24	17:56	02:19	Initial cal 2.5
G4G4506-IC4506	4G9741760.D	11/25/24	18:19	02:42	Initial cal 5
G4G4506-IC4506	4G9741761.D	11/25/24	18:41	03:04	Initial cal 7.5
G4G4506-IC4506	4G9741762.D	11/25/24	19:04	03:27	Initial cal 10
G4G4506-ICV4506	4G9741763.D	11/25/24	19:27	03:50	Initial cal verification 2.5
G4G4506-IC4506	4G9741764.D	11/25/24	19:50	04:13	Initial cal 50
G4G4506-ICV4506	4G9741765.D	11/25/24	20:13	04:36	Initial cal verification 50
G4G4506-IC4506	4G9741766.D	11/25/24	20:36	04:59	Initial cal 50
G4G4506-ICV4506	4G9741767.D	11/25/24	20:59	05:22	Initial cal verification 50

DDT/Endrin Breakdown Check

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	G4G4521-DDT	**Injection Date:**	12/07/24
Lab File ID:	4G9742081.D	**Injection Time:**	05:49
Instrument ID:	GC4G		

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	8259893	7066195
4,4'-DDE	2636247	2553695
4,4'-DDT	1819634600	488070016
DDT Breakdown [a]	0.6 %	1.9 %
Endrin aldehyde	10417438	4334324
Endrin ketone	13097684	3655584
Endrin	1142808581	332206979
Endrin Breakdown [b]	2 %	2.3 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
G4G4521-CC4506	4G9742082.D	12/07/24	06:13	00:24	Continuing cal 2.5
OP59920-BS1	4G9742084.D	12/07/24	07:01	01:12	Blank Spike
OP59920-LS52	4G9742085.D	12/07/24	07:25	01:36	Leachate Spike
OP59920-MS	4G9742085.D	12/07/24	07:25	01:36	Matrix Spike
OP59920-MSD	4G9742086.D	12/07/24	07:49	02:00	Matrix Spike Duplicate
G4G4521-CC4506	4G9742087.D	12/07/24	08:13	02:24	Continuing cal 5
OP59854-MB1	4G9742089.D	12/07/24	09:01	03:12	Method Blank
OP59854-BS1	4G9742090.D	12/07/24	09:25	03:36	Blank Spike
OP59854-MS	4G9742091.D	12/07/24	09:49	04:00	Matrix Spike
OP59854-MSD	4G9742092.D	12/07/24	10:13	04:24	Matrix Spike Duplicate
JE1510-1	4G9742093.D	12/07/24	10:37	04:48	(used for QC only; not part of job JE1536)
ZZZZZZ	4G9742094.D	12/07/24	11:02	05:13	(unrelated sample)
ZZZZZZ	4G9742095.D	12/07/24	11:26	05:37	(unrelated sample)
ZZZZZZ	4G9742096.D	12/07/24	11:50	06:01	(unrelated sample)
ZZZZZZ	4G9742099.D	12/07/24	13:02	07:13	(unrelated sample)
JE1536-1	4G9742100.D	12/07/24	13:26	07:37	GRID-29
JE1536-5	4G9742104.D	12/07/24	15:02	09:13	GRID-33
JE1536-6	4G9742105.D	12/07/24	15:26	09:37	GRID-34
JE1536-7	4G9742106.D	12/07/24	15:50	10:01	GRID-35
JE1536-8	4G9742107.D	12/07/24	16:15	10:26	GRID-36
ZZZZZZ	4G9742108.D	12/07/24	16:39	10:50	(unrelated sample)

DDT/Endrin Breakdown Check

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	G6G3879-DDT	**Injection Date:**	12/06/24
Lab File ID:	6G103139.D	**Injection Time:**	11:12
Instrument ID:	GC6G		

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	34031157	56566181
4,4'-DDE	16908622	31739701
4,4'-DDT	6082647802	7096557704
DDT Breakdown [a]	0.8 %	1.2 %
Endrin aldehyde	43931020	99079371
Endrin ketone	53624716	109736101
Endrin	3412731216	4190111905
Endrin Breakdown [b]	2.8 %	4.7 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
G6G3879-IC3879	6G103142.D	12/06/24	12:15	01:03	Initial cal 0.1
G6G3879-IC3879	6G103143.D	12/06/24	12:36	01:24	Initial cal 0.2
G6G3879-IC3879	6G103144.D	12/06/24	12:56	01:44	Initial cal 0.5
G6G3879-IC3879	6G103145.D	12/06/24	13:17	02:05	Initial cal 1
G6G3879-ICC3879	6G103146.D	12/06/24	13:38	02:26	Initial cal 2.5
G6G3879-IC3879	6G103148.D	12/06/24	14:20	03:08	Initial cal 5
G6G3879-IC3879	6G103149.D	12/06/24	14:40	03:28	Initial cal 7.5
G6G3879-IC3879	6G103150.D	12/06/24	15:01	03:49	Initial cal 10
G6G3879-IC3879	6G103151.D	12/06/24	15:22	04:10	Initial cal 50
G6G3879-IC3879	6G103152.D	12/06/24	15:43	04:31	Initial cal 50
G6G3879-ICV3879	6G103154.D	12/06/24	16:25	05:13	Initial cal verification 50
G6G3879-ICV3879	6G103155.D	12/06/24	16:45	05:33	Initial cal verification 50

DDT/Endrin Breakdown Check

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	G6G3881-DDT	**Injection Date:**	12/09/24
Lab File ID:	6G103195.D	**Injection Time:**	18:02
Instrument ID:	GC6G		

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	86959074	123921650
4,4'-DDE	11473212	38790070
4,4'-DDT	5951394555	6667537940
DDT Breakdown [a]	1.6 %	2.4 %
Endrin aldehyde	34817459	61009616
Endrin ketone	52949301	82246606
Endrin	3242686223	3715136916
Endrin Breakdown [b]	2.6 %	3.7 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
G6G3881-CC3879	6G103196.D	12/09/24	18:23	00:21	Continuing cal 5
OP59859-MB1	6G103198.D	12/09/24	19:05	01:03	Method Blank
OP59859-BS1	6G103199.D	12/09/24	19:26	01:24	Blank Spike
ZZZZZZ	6G103200.D	12/09/24	19:47	01:45	(unrelated sample)
ZZZZZZ	6G103201.D	12/09/24	20:08	02:06	(unrelated sample)
ZZZZZZ	6G103202.D	12/09/24	20:29	02:27	(unrelated sample)
ZZZZZZ	6G103204.D	12/09/24	21:11	03:09	(unrelated sample)
ZZZZZZ	6G103205.D	12/09/24	21:32	03:30	(unrelated sample)
ZZZZZZ	6G103206.D	12/09/24	21:53	03:51	(unrelated sample)
JE1536-2	6G103207.D	12/09/24	22:14	04:12	GRID-30

DDT/Endrin Breakdown Check

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	G6G3884-DDT	**Injection Date:**	12/11/24
Lab File ID:	6G103254.D	**Injection Time:**	02:28
Instrument ID:	GC6G		

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	88549927	117082032
4,4'-DDE	11156695	25534026
4,4'-DDT	7141392140	8051267867
DDT Breakdown [a]	1.4 %	1.7 %
Endrin aldehyde	152187266	223489232
Endrin ketone	67913680	113522856
Endrin	3901148440	4207077373
Endrin Breakdown [b]	5.3 %	7.4 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
G6G3884-CC3879	6G103255.D	12/11/24	02:49	00:21	Continuing cal 2.5
OP59924-MB1	6G103257.D	12/11/24	03:31	01:03	Method Blank
OP59924-BS1	6G103258.D	12/11/24	03:52	01:25	Blank Spike
OP59924-BSD	6G103259.D	12/11/24	04:13	01:46	Blank Spike Duplicate
OP59924-LB52	6G103260.D	12/11/24	04:34	02:06	Leachate Blank
OP59924-LS52	6G103261.D	12/11/24	04:55	02:28	Leachate Spike
OP59924-MS	6G103261.D	12/11/24	04:55	02:28	Matrix Spike
OP59924-MSD	6G103262.D	12/11/24	05:17	02:49	Matrix Spike Duplicate
ZZZZZZ	6G103263.D	12/11/24	05:38	03:10	(unrelated sample)
ZZZZZZ	6G103264.D	12/11/24	05:59	03:31	(unrelated sample)
JE1493-5	6G103265.D	12/11/24	06:20	03:52	(used for QC only; not part of job JE1536)
ZZZZZZ	6G103266.D	12/11/24	06:41	04:13	(unrelated sample)
ZZZZZZ	6G103267.D	12/11/24	07:02	04:34	(unrelated sample)
ZZZZZZ	6G103268.D	12/11/24	07:23	04:55	(unrelated sample)
ZZZZZZ	6G103269.D	12/11/24	07:44	05:16	(unrelated sample)
ZZZZZZ	6G103270.D	12/11/24	08:05	05:37	(unrelated sample)
ZZZZZZ	6G103271.D	12/11/24	08:26	05:58	(unrelated sample)
ZZZZZZ	6G103272.D	12/11/24	08:46	06:19	(unrelated sample)
ZZZZZZ	6G103273.D	12/11/24	09:07	06:40	(unrelated sample)
ZZZZZZ	6G103274.D	12/11/24	09:28	07:01	(unrelated sample)
ZZZZZZ	6G103275.D	12/11/24	09:49	07:22	(unrelated sample)
JE1536-3	6G103278.D	12/11/24	10:52	08:24	GRID-31
JE1536-4	6G103280.D	12/11/24	11:34	09:06	GRID-32
ZZZZZZ	6G103281.D	12/11/24	11:55	09:27	(unrelated sample)

DDT/Endrin Breakdown Check

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	G6G3884-DDT	**Injection Date:**	12/11/24
Lab File ID:	6G103254.D	**Injection Time:**	02:28
Instrument ID:	GC6G		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	6G103282.D	12/11/24	12:16	09:48	(unrelated sample)
ZZZZZZ	6G103283.D	12/11/24	12:36	10:09	(unrelated sample)
ZZZZZZ	6G103284.D	12/11/24	12:57	10:29	(unrelated sample)
ZZZZZZ	6G103285.D	12/11/24	13:18	10:50	(unrelated sample)

GC Identification Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G4G4521-CC4506	**Injection Date:**	12/07/24
Lab File ID:	4G9742087.D	**Injection Time:**	08:13
Instrument ID:	GC4G	**Method:**	SW846 8081B

Sample ID:	JE1536-1	**Injection Date:**	12/07/24
Lab File ID:	4G9742100.D	**Injection Time:**	13:26
Client ID:	GRID-29		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
alpha-Chlordane	1	8.36	8.36	0.0022		mg/kg	44.4
alpha-Chlordane [a]	2 [b]	9.72	9.72	0.0014		mg/kg	
gamma-Chlordane	1 [b]	8.19	8.19	0.0011		mg/kg	30.8
gamma-Chlordane	2	9.49	9.49	0.0015		mg/kg	
Chlordane (alpha and gamma)	n/a [c]			0.0025		mg/kg	
Dieldrin	1 [b]	8.88	8.88	0.00059		mg/kg	25.2
Dieldrin	2	10.27	10.27	0.00076		mg/kg	
4,4'-DDD [a]	1 [b]	9.33	9.33	0.00065		mg/kg	84.4
4,4'-DDD [d]	2	10.95	10.96	0.0016		mg/kg	
4,4'-DDE	1	8.47	8.48	0.0015		mg/kg	6.9
4,4'-DDE	2 [b]	9.99	9.99	0.0014		mg/kg	
4,4'-DDT [e]	1 [b]	9.75	9.76	0.0020		mg/kg	5.1
4,4'-DDT [d]	2	11.50	11.50	0.0019		mg/kg	
Endosulfan-I	1 [b]	8.55	8.55	0.00051		mg/kg	5.7
Endosulfan-I	2	9.84	9.82	0.00054		mg/kg	
Heptachlor epoxide	1	8.02	8.02	0.00037	J	mg/kg	20.9
Heptachlor epoxide	2 [b]	9.20	9.20	0.00030	J	mg/kg	

(a) More than 40 % RPD for detected concentrations between the two GC columns.
(b) Final result reported from this column.
(c) Final reported result.
(d) Associated CCV outside of control limits high.
(e) Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only.

GC Identification Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G6G3881-CC3879	**Injection Date:**	12/09/24
Lab File ID:	6G103196.D	**Injection Time:**	18:23
Instrument ID:	GC6G	**Method:**	SW846 8081B

Sample ID:	JE1536-2	**Injection Date:**	12/09/24
Lab File ID:	6G103207.D	**Injection Time:**	22:14
Client ID:	GRID-30		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
alpha-Chlordane	1	8.26	8.26	0.0029		mg/kg	90.0
alpha-Chlordane [a]	2 [b]	9.93	9.93	0.0011		mg/kg	
gamma-Chlordane	1	8.08	8.09	0.0013		mg/kg	84.2
gamma-Chlordane [a]	2 [b]	9.69	9.70	0.00053		mg/kg	
Chlordane (alpha and gamma)	n/a [c]			0.0016		mg/kg	
Dieldrin	1	8.77	8.77	0.00035	J	mg/kg	91.7
Dieldrin [a]	2 [b]	10.49	10.50	0.00013	J	mg/kg	
4,4'-DDD	1	9.21	9.22	0.0026		mg/kg	47.6
4,4'-DDD [a]	2 [b]	11.18	11.18	0.0016		mg/kg	
4,4'-DDE	1	8.37	8.37	0.0095		mg/kg	30.3
4,4'-DDE	2 [b]	10.19	10.19	0.0070		mg/kg	
4,4'-DDT	1	9.63	9.64	0.00080		mg/kg	56.0
4,4'-DDT [a]	2 [b]	11.74	11.73	0.00045		mg/kg	

(a) More than 40 % RPD for detected concentrations between the two GC columns.
(b) Final result reported from this column.
(c) Final reported result.

GC Identification Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G6G3884-CC3879	**Injection Date:**	12/11/24
Lab File ID:	6G103255.D	**Injection Time:**	02:49
Instrument ID:	GC6G	**Method:**	SW846 8081B

Sample ID:	JE1536-3	**Injection Date:**	12/11/24
Lab File ID:	6G103278.D	**Injection Time:**	10:52
Client ID:	GRID-31		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
alpha-BHC	1	6.01	6.02	0.00021	J	mg/kg	27.0
alpha-BHC	2 [a]	6.93	6.92	0.00016	J	mg/kg	
alpha-Chlordane	1	8.26	8.25	0.0222		mg/kg	45.3
alpha-Chlordane [b]	2 [a]	9.93	9.93	0.0140		mg/kg	
gamma-Chlordane	1	8.09	8.08	0.0118		mg/kg	34.8
gamma-Chlordane	2 [a]	9.70	9.70	0.0083		mg/kg	
Chlordane (alpha and gamma)	n/a [c]			0.0223		mg/kg	
Dieldrin	1	8.77	8.76	0.0016		mg/kg	13.3
Dieldrin	2 [a]	10.50	10.50	0.0014		mg/kg	
4,4'-DDD	1 [a]	9.21	9.21	0.00067		mg/kg	4.4
4,4'-DDD	2	11.18	11.18	0.00070		mg/kg	
4,4'-DDE	1 [a]	8.37	8.37	0.0038		mg/kg	21.2
4,4'-DDE	2	10.19	10.19	0.0047		mg/kg	
4,4'-DDT	1	9.63	9.63	0.0146		mg/kg	1.4
4,4'-DDT	2 [a]	11.73	11.73	0.0144		mg/kg	
Endosulfan-II [b]	1 [a]	9.43	9.42	0.00016	J	mg/kg	105.9
Endosulfan-II [b]	2	11.38	11.38	0.00052		mg/kg	
Heptachlor	1	6.84	6.84	0.00051		mg/kg	31.8
Heptachlor	2 [a]	8.03	8.03	0.00037	J	mg/kg	
Heptachlor epoxide	1	7.92	7.92	0.0039		mg/kg	60.0
Heptachlor epoxide [b]	2 [a]	9.40	9.40	0.0021		mg/kg	

(a) Final result reported from this column.
(b) More than 40 % RPD for detected concentrations between the two GC columns.
(c) Final reported result.

GC Identification Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G6G3884-CC3879	**Injection Date:**	12/11/24
Lab File ID:	6G103255.D	**Injection Time:**	02:49
Instrument ID:	GC6G	**Method:**	SW846 8081B

Sample ID:	JE1536-4	**Injection Date:**	12/11/24
Lab File ID:	6G103280.D	**Injection Time:**	11:34
Client ID:	GRID-32		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
alpha-Chlordane	1	8.25	8.25	0.0059		mg/kg	59.3
alpha-Chlordane [a]	2 [b]	9.93	9.93	0.0032		mg/kg	
gamma-Chlordane	1	8.08	8.08	0.0027		mg/kg	34.8
gamma-Chlordane	2 [b]	9.70	9.70	0.0019		mg/kg	
Chlordane (alpha and gamma)	n/a [c]			0.0051		mg/kg	
Dieldrin	1	8.76	8.76	0.00072		mg/kg	19.8
Dieldrin	2 [b]	10.49	10.50	0.00059		mg/kg	
4,4'-DDD	1	9.21	9.21	0.0034		mg/kg	3.0
4,4'-DDD	2 [b]	11.18	11.18	0.0033		mg/kg	
4,4'-DDE	1	8.37	8.37	0.0187		mg/kg	3.3
4,4'-DDE	2 [b]	10.19	10.19	0.0181		mg/kg	
4,4'-DDT	1 [b]	9.63	9.63	0.0018		mg/kg	10.5
4,4'-DDT	2	11.73	11.73	0.0020		mg/kg	
Heptachlor epoxide	1	7.92	7.92	0.0011		mg/kg	82.1
Heptachlor epoxide [a]	2 [b]	9.40	9.40	0.00046		mg/kg	

(a) More than 40 % RPD for detected concentrations between the two GC columns.
(b) Final result reported from this column.
(c) Final reported result.

GC Identification Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G4G4521-CC4506	**Injection Date:**	12/07/24
Lab File ID:	4G9742087.D	**Injection Time:**	08:13
Instrument ID:	GC4G	**Method:**	SW846 8081B

Sample ID:	JE1536-5	**Injection Date:**	12/07/24
Lab File ID:	4G9742104.D	**Injection Time:**	15:02
Client ID:	GRID-33		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
alpha-Chlordane	1	8.36	8.36	0.0057		mg/kg	23.5
alpha-Chlordane	2 [a]	9.72	9.72	0.0045		mg/kg	
gamma-Chlordane	1 [a]	8.18	8.19	0.0026		mg/kg	32.3
gamma-Chlordane	2	9.49	9.49	0.0036		mg/kg	
Chlordane (alpha and gamma)	n/a [b]			0.0071		mg/kg	
Dieldrin [c]	1 [a]	8.88	8.88	0.00051		mg/kg	40.6
Dieldrin [c]	2	10.26	10.27	0.00077		mg/kg	
4,4'-DDD [c]	1 [a]	9.33	9.33	0.00099		mg/kg	52.8
4,4'-DDD [d]	2	10.95	10.96	0.0017		mg/kg	
4,4'-DDE	1 [a]	8.47	8.48	0.0019		mg/kg	10.0
4,4'-DDE	2	9.98	9.99	0.0021		mg/kg	
4,4'-DDT [c]	1 [a]	9.75	9.76	0.0021		mg/kg	47.3
4,4'-DDT [d]	2	11.49	11.50	0.0034		mg/kg	
Heptachlor epoxide	1	8.02	8.02	0.00094		mg/kg	3.2
Heptachlor epoxide	2 [a]	9.20	9.20	0.00091		mg/kg	

(a) Final result reported from this column.
(b) Final reported result.
(c) More than 40 % RPD for detected concentrations between the two GC columns.
(d) Associated CCV outside of control limits high.

GC Identification Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G4G4521-CC4506	**Injection Date:**	12/07/24
Lab File ID:	4G9742087.D	**Injection Time:**	08:13
Instrument ID:	GC4G	**Method:**	SW846 8081B

Sample ID:	JE1536-6	**Injection Date:**	12/07/24
Lab File ID:	4G9742105.D	**Injection Time:**	15:26
Client ID:	GRID-34		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
alpha-Chlordane	1	8.36	8.36	0.0029		mg/kg	23.1
alpha-Chlordane	2 [a]	9.72	9.72	0.0023		mg/kg	
gamma-Chlordane [b]	1 [a]	8.19	8.19	0.0017		mg/kg	45.5
gamma-Chlordane [b]	2	9.49	9.49	0.0027		mg/kg	
Chlordane (alpha and gamma)	n/a [c]			0.0040		mg/kg	
Dieldrin [b]	1 [a]	8.88	8.88	0.00032	J	mg/kg	49.4
Dieldrin [b]	2	10.27	10.27	0.00053		mg/kg	
4,4'-DDD [b]	1 [a]	9.33	9.33	0.0014		mg/kg	69.8
4,4'-DDD [d]	2	10.95	10.96	0.0029		mg/kg	
4,4'-DDE	1	8.47	8.48	0.0031		mg/kg	34.0
4,4'-DDE	2 [a]	9.98	9.99	0.0022		mg/kg	
4,4'-DDT [e]	1 [a]	9.74	9.76	0.0030		mg/kg	50.0
4,4'-DDT [d]	2	11.50	11.50	0.0018		mg/kg	
Endosulfan-I	1 [a]	8.55	8.55	0.00049		mg/kg	2.0
Endosulfan-I	2	9.84	9.82	0.00050		mg/kg	
Heptachlor epoxide	1	8.02	8.02	0.00052		mg/kg	8.0
Heptachlor epoxide	2 [a]	9.20	9.20	0.00048		mg/kg	

(a) Final result reported from this column.
(b) More than 40 % RPD for detected concentrations between the two GC columns.
(c) Final reported result.
(d) Associated CCV outside of control limits high.
(e) Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only. More than 40 % RPD for detected concentrations between the two GC columns.

GC Identification Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G4G4521-CC4506	**Injection Date:**	12/07/24
Lab File ID:	4G9742087.D	**Injection Time:**	08:13
Instrument ID:	GC4G	**Method:**	SW846 8081B

Sample ID:	JE1536-7	**Injection Date:**	12/07/24
Lab File ID:	4G9742106.D	**Injection Time:**	15:50
Client ID:	GRID-35		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
alpha-Chlordane [a]	1 [b]	8.36	8.36	0.0090		mg/kg	29.3
alpha-Chlordane [a]	2	9.72	9.72	0.0067		mg/kg	
gamma-Chlordane	1 [b]	8.19	8.19	0.0051		mg/kg	7.5
gamma-Chlordane	2	9.50	9.49	0.0055		mg/kg	
Chlordane (alpha and gamma)	n/a [c]			0.0141		mg/kg	
Dieldrin [a]	1 [b]	8.88	8.88	0.0013		mg/kg	16.7
Dieldrin [a]	2	10.27	10.27	0.0011		mg/kg	
4,4'-DDD [d]	1 [b]	9.33	9.33	0.0012		mg/kg	90.9
4,4'-DDD [e]	2	10.95	10.96	0.0032		mg/kg	
4,4'-DDE [f]	1 [b]	8.48	8.48	0.0043		mg/kg	42.3
4,4'-DDE [f]	2	9.99	9.99	0.0028		mg/kg	
4,4'-DDT [a]	1 [b]	9.75	9.76	0.0043		mg/kg	15.0
4,4'-DDT [e]	2	11.50	11.50	0.0037		mg/kg	
Endosulfan-I	1 [b]	8.55	8.55	0.00054		mg/kg	1.8
Endosulfan-I	2	9.84	9.82	0.00055		mg/kg	
Heptachlor epoxide [a]	1 [b]	8.02	8.02	0.0010		mg/kg	10.5
Heptachlor epoxide [a]	2	9.20	9.20	0.00090		mg/kg	

(a) Reported from 1st signal. Internal standard outside the limits on the 2nd signal.
(b) Final result reported from this column.
(c) Final reported result.
(d) More than 40 % RPD for detected concentrations between the two GC columns.
(e) Associated CCV outside of control limits high.
(f) Reported from 1st signal. Internal standard outside the limits on the 2nd signal. More than 40 % RPD for detected concentrations between the two GC columns.

GC Identification Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G4G4521-CC4506	**Injection Date:**	12/07/24
Lab File ID:	4G9742087.D	**Injection Time:**	08:13
Instrument ID:	GC4G	**Method:**	SW846 8081B

Sample ID:	JE1536-8	**Injection Date:**	12/07/24
Lab File ID:	4G9742107.D	**Injection Time:**	16:15
Client ID:	GRID-36		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
alpha-Chlordane [a]	1 [b]	8.34	8.36	0.0013		mg/kg	73.7
alpha-Chlordane [a]	2	9.72	9.72	0.00060		mg/kg	
gamma-Chlordane [c]	1 [b]	8.18	8.19	0.00023	J	mg/kg	102.1
gamma-Chlordane [c]	2	9.49	9.49	0.00071		mg/kg	
Chlordane (alpha and gamma)	n/a [d]			0.0015		mg/kg	
Dieldrin [c]	1 [b]	8.87	8.88	0.00018	J	mg/kg	46.8
Dieldrin [c]	2	10.26	10.27	0.00029	J	mg/kg	
4,4'-DDD [c]	1 [b]	9.33	9.33	0.00027	J	mg/kg	87.5
4,4'-DDD [e]	2	10.95	10.96	0.00069		mg/kg	
4,4'-DDE	1 [b]	8.47	8.48	0.00073		mg/kg	24.1
4,4'-DDE	2	9.98	9.99	0.00093		mg/kg	
4,4'-DDT [c]	1 [b]	9.75	9.76	0.00077		mg/kg	92.7
4,4'-DDT [e]	2	11.49	11.50	0.0021		mg/kg	
Heptachlor epoxide [f]	1 [b]	8.02	8.02	0.00023	J	mg/kg	0.0
Heptachlor epoxide [f]	2	9.19	9.20	0.00023	J	mg/kg	

(a) Reported from 1st signal. Internal standard outside the limits on the 2nd signal. More than 40 % RPD for detected concentrations between the two GC columns.
(b) Final result reported from this column.
(c) More than 40 % RPD for detected concentrations between the two GC columns.
(d) Final reported result.
(e) Associated CCV outside of control limits high.
(f) Reported from 1st signal. Internal standard outside the limits on the 2nd signal.

GC Identification Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G4G4521-CC4506	**Injection Date:**	12/07/24
Lab File ID:	4G9742087.D	**Injection Time:**	08:13
Instrument ID:	GC4G	**Method:**	SW846 8081B

Sample ID:	OP59854-BS1	**Injection Date:**	12/07/24
Lab File ID:	4G9742090.D	**Injection Time:**	09:25
Client ID:	Blank Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aldrin	1	7.27	7.28	4.3		ug/kg	4.8
Aldrin	2 [a]	8.35	8.36	4.1		ug/kg	
alpha-BHC	1	6.09	6.09	4.3		ug/kg	2.4
alpha-BHC	2 [a]	6.83	6.84	4.2		ug/kg	
beta-BHC	1	6.49	6.49	4.3		ug/kg	2.4
beta-BHC	2 [a]	7.38	7.38	4.2		ug/kg	
delta-BHC	1 [a]	6.69	6.69	4.2		ug/kg	6.9
delta-BHC	2	7.79	7.79	4.5		ug/kg	
gamma-BHC (Lindane)	1	6.40	6.41	4.6		ug/kg	9.1
gamma-BHC (Lindane)	2 [a]	7.28	7.29	4.2		ug/kg	
alpha-Chlordane	1 [a]	8.36	8.36	4.0		ug/kg	9.5
alpha-Chlordane	2	9.72	9.72	4.4		ug/kg	
gamma-Chlordane	1 [a]	8.19	8.19	4.3		ug/kg	0.0
gamma-Chlordane	2	9.49	9.49	4.3		ug/kg	
Chlordane (alpha and gamma)	n/a [b]			8.3		ug/kg	
Dieldrin	1 [a]	8.88	8.88	4.2		ug/kg	9.1
Dieldrin	2	10.26	10.27	4.6		ug/kg	
4,4'-DDD	1 [a]	9.33	9.33	4.8		ug/kg	6.1
4,4'-DDD	2	10.95	10.96	5.1		ug/kg	
4,4'-DDE	1	8.48	8.48	4.8		ug/kg	4.3
4,4'-DDE	2 [a]	9.98	9.99	4.6		ug/kg	
4,4'-DDT	1 [a]	9.75	9.76	5.4		ug/kg	8.8
4,4'-DDT	2	11.49	11.50	5.9		ug/kg	
Endrin	1 [a]	9.21	9.21	4.4		ug/kg	10.8
Endrin	2	10.78	10.78	4.9		ug/kg	
Endosulfan sulfate	1 [a]	10.87	10.87	4.0		ug/kg	14.0
Endosulfan sulfate	2	12.19	12.19	4.6		ug/kg	
Endrin aldehyde	1 [a]	10.17	10.18	4.0		ug/kg	16.1
Endrin aldehyde	2	11.71	11.72	4.7		ug/kg	
Endosulfan-I	1 [a]	8.55	8.55	3.9		ug/kg	12.0
Endosulfan-I	2	9.82	9.82	4.4		ug/kg	
Endosulfan-II	1 [a]	9.54	9.54	4.2		ug/kg	9.1
Endosulfan-II	2	11.13	11.14	4.6		ug/kg	
Heptachlor	1	6.92	6.93	4.5		ug/kg	4.5
Heptachlor	2 [a]	7.88	7.89	4.3		ug/kg	
Heptachlor epoxide	1 [a]	8.02	8.02	4.0		ug/kg	7.2
Heptachlor epoxide	2	9.20	9.20	4.3		ug/kg	
Methoxychlor	1 [a]	10.54	10.55	5.9		ug/kg	9.7
Methoxychlor	2	12.74	12.74	6.5		ug/kg	
Endrin ketone	1 [a]	11.31	11.32	4.5		ug/kg	18.2
Endrin ketone	2	13.13	13.13	5.4		ug/kg	

GC Identification Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G4G4521-CC4506	**Injection Date:**	12/07/24
Lab File ID:	4G9742087.D	**Injection Time:**	08:13
Instrument ID:	GC4G	**Method:**	SW846 8081B

Sample ID:	OP59854-BS1	**Injection Date:**	12/07/24
Lab File ID:	4G9742090.D	**Injection Time:**	09:25
Client ID:	Blank Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc

(a) QC results reported from this column.
(b) Final reported result.

GC Identification Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G4G4521-CC4506	**Injection Date:**	12/07/24
Lab File ID:	4G9742087.D	**Injection Time:**	08:13
Instrument ID:	GC4G	**Method:**	SW846 8081B

Sample ID:	OP59854-MS	**Injection Date:**	12/07/24
Lab File ID:	4G9742091.D	**Injection Time:**	09:49
Client ID:	Matrix Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aldrin	1 [a]	7.27	7.28	4.8		ug/kg	4.3
Aldrin	2	8.35	8.36	4.6		ug/kg	
alpha-BHC	1 [a]	6.09	6.09	5.8		ug/kg	18.9
alpha-BHC	2	6.83	6.84	4.8		ug/kg	
beta-BHC	1 [a]	6.49	6.49	4.9		ug/kg	4.0
beta-BHC	2	7.37	7.38	5.1		ug/kg	
delta-BHC	1 [a]	6.68	6.69	5.1		ug/kg	5.7
delta-BHC	2	7.79	7.79	5.4		ug/kg	
gamma-BHC (Lindane)	1 [a]	6.40	6.41	5.5		ug/kg	48.3
gamma-BHC (Lindane)	2	7.28	7.29	9.0		ug/kg	
alpha-Chlordane	1	8.36	8.36	9.8		ug/kg	27.9
alpha-Chlordane	2 [a]	9.72	9.72	7.4		ug/kg	
gamma-Chlordane	1 [a]	8.19	8.19	10.3		ug/kg	0.0
gamma-Chlordane	2	9.49	9.49	10.3		ug/kg	
Chlordane (alpha and gamma)	n/a [b]			17.7		ug/kg	
Dieldrin	1	8.87	8.88	6.8		ug/kg	14.2
Dieldrin	2 [a]	10.26	10.27	5.9		ug/kg	
4,4'-DDD	1 [a]	9.33	9.33	8.1		ug/kg	5.1
4,4'-DDD	2	10.95	10.96	7.7		ug/kg	
4,4'-DDE	1	8.48	8.48	9.0		ug/kg	41.6
4,4'-DDE	2 [a]	9.98	9.99	5.9		ug/kg	
4,4'-DDT	1 [a]	9.75	9.76	13.8		ug/kg	31.0
4,4'-DDT	2	11.50	11.50	10.1		ug/kg	
Endrin	1 [a]	9.21	9.21	6.6		ug/kg	14.1
Endrin	2	10.78	10.78	7.6		ug/kg	
Endosulfan sulfate	1 [a]	10.87	10.87	7.5		ug/kg	7.7
Endosulfan sulfate	2	12.19	12.19	8.1		ug/kg	
Endrin aldehyde	1 [a]	10.17	10.18	7.7		ug/kg	32.6
Endrin aldehyde	2	11.72	11.72	10.7		ug/kg	
Endosulfan-I	1	8.54	8.55	6.2		ug/kg	12.0
Endosulfan-I	2 [a]	9.82	9.82	5.5		ug/kg	
Endosulfan-II	1 [a]	9.54	9.54	5.3		ug/kg	64.1
Endosulfan-II	2	11.14	11.14	10.3		ug/kg	
Heptachlor	1 [a]	6.92	6.93	7.1		ug/kg	5.8
Heptachlor	2	7.89	7.89	6.7		ug/kg	
Heptachlor epoxide	1 [a]	8.02	8.02	8.6		ug/kg	12.3
Heptachlor epoxide	2	9.20	9.20	7.6		ug/kg	
Methoxychlor	1 [a]	10.55	10.55	9.3		ug/kg	64.2
Methoxychlor	2	12.74	12.74	18.1		ug/kg	
Endrin ketone	1 [a]	11.31	11.32	25.4	E	ug/kg	120.5
Endrin ketone	2	13.13	13.13	6.3		ug/kg	

GC Identification Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G4G4521-CC4506	**Injection Date:**	12/07/24
Lab File ID:	4G9742087.D	**Injection Time:**	08:13
Instrument ID:	GC4G	**Method:**	SW846 8081B

Sample ID:	OP59854-MS	**Injection Date:**	12/07/24
Lab File ID:	4G9742091.D	**Injection Time:**	09:49
Client ID:	Matrix Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc

(a) QC results reported from this column.
(b) Final reported result.

GC Identification Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G4G4521-CC4506	**Injection Date:**	12/07/24
Lab File ID:	4G9742087.D	**Injection Time:**	08:13
Instrument ID:	GC4G	**Method:**	SW846 8081B

Sample ID:	OP59854-MSD	**Injection Date:**	12/07/24
Lab File ID:	4G9742092.D	**Injection Time:**	10:13
Client ID:	Matrix Spike Duplicate		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aldrin	1 [a]	7.27	7.28	4.8		ug/kg	4.3
Aldrin	2	8.35	8.36	4.6		ug/kg	
alpha-BHC	1 [a]	6.09	6.09	5.9		ug/kg	24.8
alpha-BHC	2	6.83	6.84	4.6		ug/kg	
beta-BHC	1 [a]	6.49	6.49	5.0		ug/kg	9.5
beta-BHC	2	7.38	7.38	5.5		ug/kg	
delta-BHC	1 [a]	6.68	6.69	4.9		ug/kg	13.3
delta-BHC	2	7.78	7.79	5.6		ug/kg	
gamma-BHC (Lindane)	1 [a]	6.40	6.41	5.4		ug/kg	47.9
gamma-BHC (Lindane)	2	7.28	7.29	8.8		ug/kg	
alpha-Chlordane	1	8.36	8.36	13.3		ug/kg	35.4
alpha-Chlordane	2 [a]	9.72	9.72	9.3		ug/kg	
gamma-Chlordane	1 [a]	8.19	8.19	14.3		ug/kg	1.4
gamma-Chlordane	2	9.50	9.49	14.5		ug/kg	
Chlordane (alpha and gamma)	n/a [b]			23.6		ug/kg	
Dieldrin	1	8.88	8.88	7.6		ug/kg	30.3
Dieldrin	2 [a]	10.27	10.27	5.6		ug/kg	
4,4'-DDD	1 [a]	9.33	9.33	8.7		ug/kg	8.8
4,4'-DDD	2	10.95	10.96	9.5		ug/kg	
4,4'-DDE	1	8.48	8.48	8.9		ug/kg	34.2
4,4'-DDE	2 [a]	9.99	9.99	6.3		ug/kg	
4,4'-DDT	1 [a]	9.75	9.76	14.9		ug/kg	27.5
4,4'-DDT	2	11.50	11.50	11.3		ug/kg	
Endrin	1 [a]	9.22	9.21	6.2		ug/kg	33.6
Endrin	2	10.78	10.78	8.7		ug/kg	
Endosulfan sulfate	1 [a]	10.88	10.87	8.1		ug/kg	17.4
Endosulfan sulfate	2	12.19	12.19	6.8		ug/kg	
Endrin aldehyde	1 [a]	10.17	10.18	8.3		ug/kg	26.2
Endrin aldehyde	2	11.72	11.72	10.8		ug/kg	
Endosulfan-I	1	8.55	8.55	6.5		ug/kg	26.1
Endosulfan-I	2 [a]	9.83	9.82	5.0		ug/kg	
Endosulfan-II	1 [a]	9.54	9.54	5.1		ug/kg	71.7
Endosulfan-II	2	11.14	11.14	10.8		ug/kg	
Heptachlor	1 [a]	6.92	6.93	10.4		ug/kg	13.3
Heptachlor	2	7.88	7.89	9.1		ug/kg	
Heptachlor epoxide	1 [a]	8.02	8.02	10.0		ug/kg	15.1
Heptachlor epoxide	2	9.20	9.20	8.6		ug/kg	
Methoxychlor	1 [a]	10.55	10.55	8.9		ug/kg	73.8
Methoxychlor	2	12.75	12.74	19.3		ug/kg	
Endrin ketone	1 [a]	11.31	11.32	29.1	E	ug/kg	143.4
Endrin ketone	2	13.13	13.13	4.8		ug/kg	

GC Identification Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G4G4521-CC4506	**Injection Date:**	12/07/24
Lab File ID:	4G9742087.D	**Injection Time:**	08:13
Instrument ID:	GC4G	**Method:**	SW846 8081B

Sample ID:	OP59854-MSD	**Injection Date:**	12/07/24
Lab File ID:	4G9742092.D	**Injection Time:**	10:13
Client ID:	Matrix Spike Duplicate		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc

(a) QC results reported from this column.
(b) Final reported result.

GC Identification Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	GRM722-CC695	**Injection Date:**	12/10/24
Lab File ID:	RM30416.D	**Injection Time:**	14:18
Instrument ID:	GCRM	**Method:**	SW846 8082A

Sample ID:	JE1536-3	**Injection Date:**	12/10/24
Lab File ID:	RM30420.D	**Injection Time:**	16:15
Client ID:	GRID-31		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aroclor 1260	1			0.0219	J	mg/kg	31.1
Aroclor 1260	2 [a]			0.0160	J	mg/kg	
AR1260-B	1	7.56	7.57	0.0254		mg/kg	
AR1260-B	2	8.81	8.81	0.0123	J	mg/kg	
AR1260-D	1	8.22	8.22	0.0201	J	mg/kg	
AR1260-D	2	9.30	9.30	0.0190	J	mg/kg	
AR1260-E	1	8.51	8.52	0.0202	J	mg/kg	
AR1260-E	2	9.62	9.62	0.0166	J	mg/kg	

(a) Final result reported from this column.

GC Identification Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	GRM722-CC695	**Injection Date:**	12/10/24
Lab File ID:	RM30416.D	**Injection Time:**	14:18
Instrument ID:	GCRM	**Method:**	SW846 8082A

Sample ID:	JE1536-5	**Injection Date:**	12/10/24
Lab File ID:	RM30422.D	**Injection Time:**	17:16
Client ID:	GRID-33		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aroclor 1262	1 [a]			0.0059	J	mg/kg	27.7
Aroclor 1262	2			0.0078	J	mg/kg	
AR1262-B	1	7.56	7.58 [b]	0.0048	J	mg/kg	
AR1262-B	2	8.81	8.82 [b]	0.0029	J	mg/kg	
AR1262-C	1	7.86	7.88 [b]	0.0033	J	mg/kg	
AR1262-C	2	9.09	9.11 [b]	0.0041	J	mg/kg	
AR1262-D	1	8.22	8.23 [b]	0.0051	J	mg/kg	
AR1262-D	2	9.31	9.32 [b]	0.0161	J	mg/kg	
AR1262-E	1	8.57	8.56 [b]	0.0103	J	mg/kg	
AR1262-E	2	9.67	9.62 [b]	0.0081	J	mg/kg	

(a) Final result reported from this column.
(b) StdRT taken from init cal: GRM695-IC695 RM29297.D 11/12/24 15:02

GC Identification Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	GRM722-CC695	**Injection Date:**	12/10/24
Lab File ID:	RM30416.D	**Injection Time:**	14:18
Instrument ID:	GCRM	**Method:**	SW846 8082A

Sample ID:	JE1536-7	**Injection Date:**	12/10/24
Lab File ID:	RM30424.D	**Injection Time:**	18:15
Client ID:	GRID-35		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aroclor 1262	1			0.0087	J	mg/kg	18.9
Aroclor 1262	2 [a]			0.0072	J	mg/kg	
AR1262-B	1	7.56	7.58 [b]	0.0074	J	mg/kg	
AR1262-B	2	8.80	8.82 [b]	0.0034	J	mg/kg	
AR1262-D	1	8.22	8.23 [b]	0.0068	J	mg/kg	
AR1262-D	2	9.31	9.32 [b]	0.0091	J	mg/kg	
AR1262-E	1	8.55	8.56 [b]	0.0118	J	mg/kg	
AR1262-E	2	9.61	9.62 [b]	0.0092	J	mg/kg	

(a) Final result reported from this column.
(b) StdRT taken from init cal: GRM695-IC695 RM29297.D 11/12/24 15:02

GC Identification Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	GRM722-CC695	**Injection Date:**	12/10/24
Lab File ID:	RM30401.D	**Injection Time:**	07:26
Instrument ID:	GCRM	**Method:**	SW846 8082A

Sample ID:	OP59855-BS1	**Injection Date:**	12/10/24
Lab File ID:	RM30404.D	**Injection Time:**	08:45
Client ID:	Blank Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aroclor 1016	1			50.0		ug/kg	6.2
Aroclor 1016	2 [a]			47.0		ug/kg	
AR1016-A	1	3.98	3.98	56.4		ug/kg	
AR1016-A	2	4.64	4.64	49.5		ug/kg	
AR1016-B	1	4.26	4.26	49.3		ug/kg	
AR1016-B	2	5.02	5.02	46.1		ug/kg	
AR1016-C	1	4.64	4.64	48.2		ug/kg	
AR1016-C	2	5.52	5.52	43.0		ug/kg	
AR1016-D	1	4.76	4.75	48.1		ug/kg	
AR1016-D	2	5.68	5.68	49.3		ug/kg	
AR1016-E	1	5.11	5.11	48.1		ug/kg	
AR1016-E	2	5.98	5.98	47.2		ug/kg	
Aroclor 1260	1			44.8		ug/kg	11.8
Aroclor 1260	2 [a]			39.8		ug/kg	
AR1260-A	1	7.02	7.02	46.4		ug/kg	
AR1260-A	2	8.34	8.34	42.5		ug/kg	
AR1260-B	1	7.57	7.56	47.1		ug/kg	
AR1260-B	2	8.81	8.81	40.2		ug/kg	
AR1260-C	1	7.87	7.87	45.4		ug/kg	
AR1260-C	2	9.09	9.09	40.1		ug/kg	
AR1260-D	1	8.22	8.22	44.9		ug/kg	
AR1260-D	2	9.30	9.30	40.2		ug/kg	
AR1260-E	1	8.52	8.51	40.4		ug/kg	
AR1260-E	2	9.62	9.62	35.8		ug/kg	

(a) QC results reported from this column.

GC Identification Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	GRM722-CC695	**Injection Date:**	12/10/24
Lab File ID:	RM30401.D	**Injection Time:**	07:26
Instrument ID:	GCRM	**Method:**	SW846 8082A

Sample ID:	OP59855-MS	**Injection Date:**	12/10/24
Lab File ID:	RM30405.D	**Injection Time:**	09:11
Client ID:	Matrix Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aroclor 1016	1 [a]			59.4		ug/kg	7.5
Aroclor 1016	2			55.1		ug/kg	
AR1016-A	1	3.98	3.98	68.0		ug/kg	
AR1016-A	2	4.64	4.64	59.6		ug/kg	
AR1016-B	1	4.26	4.26	56.2		ug/kg	
AR1016-B	2	5.02	5.02	52.5		ug/kg	
AR1016-C	1	4.64	4.64	55.4		ug/kg	
AR1016-C	2	5.52	5.52	51.0		ug/kg	
AR1016-D	1	4.75	4.75	58.7		ug/kg	
AR1016-D	2	5.68	5.68	58.8		ug/kg	
AR1016-E	1	5.11	5.11	58.6		ug/kg	
AR1016-E	2	5.98	5.98	53.7		ug/kg	
Aroclor 1260	1 [a]			55.8		ug/kg	7.8
Aroclor 1260	2			51.6		ug/kg	
AR1260-A	1	7.02	7.02	64.6		ug/kg	
AR1260-A	2	8.34	8.34	61.5		ug/kg	
AR1260-B	1	7.56	7.56	56.1		ug/kg	
AR1260-B	2	8.81	8.81	48.3		ug/kg	
AR1260-C	1	7.87	7.87	52.4		ug/kg	
AR1260-C	2	9.09	9.09	50.2		ug/kg	
AR1260-D	1	8.22	8.22	51.8		ug/kg	
AR1260-D	2	9.30	9.30	52.8		ug/kg	
AR1260-E	1	8.51	8.51	54.2		ug/kg	
AR1260-E	2	9.62	9.62	45.1		ug/kg	

(a) QC results reported from this column.

GC Identification Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	GRM722-CC695	**Injection Date:**	12/10/24
Lab File ID:	RM30401.D	**Injection Time:**	07:26
Instrument ID:	GCRM	**Method:**	SW846 8082A

Sample ID:	OP59855-MSD	**Injection Date:**	12/10/24
Lab File ID:	RM30406.D	**Injection Time:**	09:38
Client ID:	Matrix Spike Duplicate		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aroclor 1016	1 [a]			59.0		ug/kg	7.2
Aroclor 1016	2			54.9		ug/kg	
AR1016-A	1	3.98	3.98	67.6		ug/kg	
AR1016-A	2	4.64	4.64	57.6		ug/kg	
AR1016-B	1	4.26	4.26	56.0		ug/kg	
AR1016-B	2	5.02	5.02	52.0		ug/kg	
AR1016-C	1	4.64	4.64	55.1		ug/kg	
AR1016-C	2	5.52	5.52	50.9		ug/kg	
AR1016-D	1	4.75	4.75	58.1		ug/kg	
AR1016-D	2	5.68	5.68	59.9		ug/kg	
AR1016-E	1	5.11	5.11	58.3		ug/kg	
AR1016-E	2	5.98	5.98	54.2		ug/kg	
Aroclor 1260	1 [a]			58.6		ug/kg	13.3
Aroclor 1260	2			51.3		ug/kg	
AR1260-A	1	7.02	7.02	64.3		ug/kg	
AR1260-A	2	8.34	8.34	61.5		ug/kg	
AR1260-B	1	7.56	7.56	61.2		ug/kg	
AR1260-B	2	8.81	8.81	48.5		ug/kg	
AR1260-C	1	7.87	7.87	61.6		ug/kg	
AR1260-C	2	9.09	9.09	47.3		ug/kg	
AR1260-D	1	8.22	8.22	51.6		ug/kg	
AR1260-D	2	9.30	9.30	53.4		ug/kg	
AR1260-E	1	8.51	8.51	54.5		ug/kg	
AR1260-E	2	9.62	9.62	45.7		ug/kg	

(a) QC results reported from this column.

Surrogate Recovery Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Method: SW846 8081B **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S1 [b]	S2 [a]	S2 [b]
JE1536-1	4G9742100.D	124	107	122	128
JE1536-2	6G103207.D	104	93	89	61
JE1536-3	6G103278.D	71	100	63	100
JE1536-4	6G103280.D	92	98	60	43
JE1536-5	4G9742104.D	114	129	112	263* [c]
JE1536-6	4G9742105.D	109	99	100	470* [c]
JE1536-7	4G9742106.D	118	106	172* [c]	519* [c]
JE1536-8	4G9742107.D	116	124	112	211* [c]
OP59854-BS1	4G9742090.D	90	82	85	105
OP59854-MB1	4G9742089.D	77	76	75	94
OP59854-MS	4G9742091.D	100	89	199* [c]	209* [c]
OP59854-MSD	4G9742092.D	99	86	209* [c]	189* [c]

Surrogate Compounds	Recovery Limits
S1 = Tetrachloro-m-xylene	46-145%
S2 = Decachlorobiphenyl	29-163%

(a) Recovery from GC signal #1
(b) Recovery from GC signal #2
(c) Outside of in house control limits.

Surrogate Recovery Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Method: SW846 8082A **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S1 [b]	S2 [a]	S2 [b]
JE1536-1	RM30418.D	114	117	95	94
JE1536-2	RM30419.D	109	116	93	98
JE1536-3	RM30420.D	105	119	96	103
JE1536-4	RM30421.D	110	116	95	97
JE1536-5	RM30422.D	113	118	97	103
JE1536-6	RM30423.D	106	114	89	97
JE1536-7	RM30424.D	105	113	134	139
JE1536-8	RM30425.D	116	119	97	100
OP59855-BS1	RM30404.D	116	118	94	91
OP59855-MB1	RM30403.D	113	116	91	88
OP59855-MS	RM30405.D	112	115	91	112
OP59855-MSD	RM30406.D	111	114	91	107

Surrogate Compounds	Recovery Limits
S1 = Tetrachloro-m-xylene	35-154%
S2 = Decachlorobiphenyl	24-176%

(a) Recovery from GC signal #1
(b) Recovery from GC signal #2

GC Surrogate Retention Time Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G4G4521-CC4506	**Injection Date:**	12/07/24
Lab File ID:	4G9742087.D	**Injection Time:**	08:13
Instrument ID:	GC4G	**Method:**	SW846 8081B

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	5.57	6.12	13.09	14.73

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
OP59854-MB1	4G9742089.D	12/07/24	09:01	5.57	6.12	13.08	14.72
OP59854-BS1	4G9742090.D	12/07/24	09:25	5.57	6.12	13.08	14.72
OP59854-MS	4G9742091.D	12/07/24	09:49	5.57	6.12	13.09	14.73
OP59854-MSD	4G9742092.D	12/07/24	10:13	5.57	6.12	13.09	14.73
JE1510-1	4G9742093.D	12/07/24	10:37	5.57	6.12	13.08	14.72
ZZZZZZ	4G9742094.D	12/07/24	11:02	5.57	6.12	13.08	14.72
ZZZZZZ	4G9742095.D	12/07/24	11:26	5.57	6.12	13.08	14.72
ZZZZZZ	4G9742096.D	12/07/24	11:50	5.57	6.12	13.09	14.73
ZZZZZZ	4G9742099.D	12/07/24	13:02	5.57	6.12	13.08	14.72
JE1536-1	4G9742100.D	12/07/24	13:26	5.57	6.12	13.08	14.73
JE1536-5	4G9742104.D	12/07/24	15:02	5.57	6.12	13.08	14.73
JE1536-6	4G9742105.D	12/07/24	15:26	5.57	6.12	13.09	14.74
JE1536-7	4G9742106.D	12/07/24	15:50	5.57	6.13	13.09	14.73
JE1536-8	4G9742107.D	12/07/24	16:15	5.57	6.12	13.09	14.73
ZZZZZZ	4G9742108.D	12/07/24	16:39	5.57	6.12	13.08	14.72

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G6G3881-CC3879	**Injection Date:**	12/09/24
Lab File ID:	6G103196.D	**Injection Time:**	18:23
Instrument ID:	GC6G	**Method:**	SW846 8081B

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	5.51	6.18	12.95	14.86

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
OP59859-MB1	6G103198.D	12/09/24	19:05	5.51	6.18	12.95	14.86
OP59859-BS1	6G103199.D	12/09/24	19:26	5.51	6.18	12.95	14.86
ZZZZZZ	6G103200.D	12/09/24	19:47	5.51	6.18	12.95	14.86
ZZZZZZ	6G103201.D	12/09/24	20:08	5.51	6.18	12.95	14.86
ZZZZZZ	6G103202.D	12/09/24	20:29	5.51	6.18	12.95	14.86
ZZZZZZ	6G103204.D	12/09/24	21:11	5.51	6.18	12.96	14.86
ZZZZZZ	6G103205.D	12/09/24	21:32	5.51	6.18	12.95	14.86
ZZZZZZ	6G103206.D	12/09/24	21:53	5.51	6.18	12.95	14.86
JE1536-2	6G103207.D	12/09/24	22:14	5.51	6.18	12.95	14.86

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G6G3884-CC3879	**Injection Date:**	12/11/24
Lab File ID:	6G103255.D	**Injection Time:**	02:49
Instrument ID:	GC6G	**Method:**	SW846 8081B

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	5.51	6.18	12.95	14.86

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
OP59924-MB1	6G103257.D	12/11/24	03:31	5.51	6.18	12.95	14.86
OP59924-BS1	6G103258.D	12/11/24	03:52	5.51	6.18	12.95	14.86
OP59924-BSD	6G103259.D	12/11/24	04:13	5.51	6.18	12.95	14.86
OP59924-LB52	6G103260.D	12/11/24	04:34	5.51	6.18	12.95	14.86
OP59924-MS	6G103261.D	12/11/24	04:55	5.51	6.18	12.95	14.86
OP59924-LS52	6G103261.D	12/11/24	04:55	5.51	6.18	12.95	14.86
OP59924-MSD	6G103262.D	12/11/24	05:17	5.51	6.18	12.95	14.86
ZZZZZZ	6G103263.D	12/11/24	05:38	5.51	6.18	12.95	14.86
ZZZZZZ	6G103264.D	12/11/24	05:59	5.51	6.18	12.95	14.86
JE1493-5	6G103265.D	12/11/24	06:20	5.51	6.18	12.95	14.86
ZZZZZZ	6G103266.D	12/11/24	06:41	5.51	6.18	12.95	14.86
ZZZZZZ	6G103267.D	12/11/24	07:02	5.51	6.18	12.94	14.86
ZZZZZZ	6G103268.D	12/11/24	07:23	5.51	6.18	12.94	14.86
ZZZZZZ	6G103269.D	12/11/24	07:44	5.51	6.18	12.95	14.86
ZZZZZZ	6G103270.D	12/11/24	08:05	5.51	6.18	12.94	14.86
ZZZZZZ	6G103271.D	12/11/24	08:26	5.51	6.18	12.95	14.86
ZZZZZZ	6G103272.D	12/11/24	08:46	5.51	6.18	12.95	14.86
ZZZZZZ	6G103273.D	12/11/24	09:07	5.51	6.18	12.94	14.86
ZZZZZZ	6G103274.D	12/11/24	09:28	5.51	6.18	12.95	14.86
ZZZZZZ	6G103275.D	12/11/24	09:49	5.51	6.18	12.95	14.86
JE1536-3	6G103278.D	12/11/24	10:52	5.51	6.18	12.95	14.86
JE1536-4	6G103280.D	12/11/24	11:34	5.51	6.18	12.95	14.86
ZZZZZZ	6G103281.D	12/11/24	11:55	5.51	6.18	12.95	14.86
ZZZZZZ	6G103282.D	12/11/24	12:16	5.51	6.18	12.94	14.86
ZZZZZZ	6G103283.D	12/11/24	12:36	5.51	6.19	12.95	14.86
ZZZZZZ	6G103284.D	12/11/24	12:57	5.51	6.18	12.95	14.86
ZZZZZZ	6G103285.D	12/11/24	13:18	5.51	6.18	12.95	14.85

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	GRM722-CC695	**Injection Date:**	12/10/24
Lab File ID:	RM30401.D	**Injection Time:**	07:26
Instrument ID:	GCRM	**Method:**	SW846 8082A

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	3.70	4.20	9.51	10.53

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
OP59855-MB1	RM30403.D	12/10/24	08:19	3.70	4.20	9.51	10.54
OP59855-BS1	RM30404.D	12/10/24	08:45	3.70	4.20	9.51	10.54
OP59855-MS	RM30405.D	12/10/24	09:11	3.70	4.20	9.51	10.54
OP59855-MSD	RM30406.D	12/10/24	09:38	3.70	4.20	9.51	10.54
JE1512-1	RM30407.D	12/10/24	10:05	3.70	4.20	9.51	10.54
ZZZZZZ	RM30408.D	12/10/24	10:31	3.70	4.20	9.51	10.54
ZZZZZZ	RM30409.D	12/10/24	10:58	3.70	4.20	9.51	10.53
ZZZZZZ	RM30410.D	12/10/24	11:25	3.70	4.20	9.51	10.54
ZZZZZZ	RM30411.D	12/10/24	11:53	3.70	4.20	9.51	10.54
ZZZZZZ	RM30412.D	12/10/24	12:21	3.70	4.20	9.51	10.54
ZZZZZZ	RM30413.D	12/10/24	12:50	3.70	4.20	9.51	10.53

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	GRM722-CC695	**Injection Date:**	12/10/24
Lab File ID:	RM30416.D	**Injection Time:**	14:18
Instrument ID:	GCRM	**Method:**	SW846 8082A

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	3.70	4.20	9.51	10.54

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
JE1536-1	RM30418.D	12/10/24	15:16	3.70	4.20	9.51	10.54
JE1536-2	RM30419.D	12/10/24	15:46	3.70	4.20	9.51	10.54
JE1536-3	RM30420.D	12/10/24	16:15	3.70	4.20	9.51	10.54
JE1536-4	RM30421.D	12/10/24	16:45	3.70	4.20	9.51	10.54
JE1536-5	RM30422.D	12/10/24	17:16	3.70	4.20	9.51	10.53
JE1536-6	RM30423.D	12/10/24	17:45	3.70	4.20	9.51	10.54
JE1536-7	RM30424.D	12/10/24	18:15	3.70	4.20	9.51	10.54
JE1536-8	RM30425.D	12/10/24	18:45	3.70	4.20	9.51	10.53
ZZZZZZ	RM30426.D	12/10/24	19:15	3.70	4.20	9.51	10.53
ZZZZZZ	RM30427.D	12/10/24	19:44	3.70	4.20	9.51	10.54
ZZZZZZ	RM30428.D	12/10/24	20:14	3.70	4.20	9.51	10.54

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

Initial Calibration Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G4G4506-ICC4506
Lab FileID: 4G9741759.D

Response Factor Report GC4G

Method : C:\MSDCHEM\1\METHODS\4PSTLVI4506.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Tue Nov 26 05:57:51 2024
Response via : Initial Calibration

Calibration Files
2 =4g9741756.d 5 =4g9741757.d 10 =4g9741758.d 25 =4g9741759.d
50 =4g9741760.d 100 =4g9741762.d 1 =4g9741755.d 75 =4g9741761.d

Compound	2	5	10	25	50	100	1	75	Avg	%RSD
1) I 1-bromo-2-nitrobenzen	ISTD									
2) Tetrachloro-	0.606	0.618	0.663	0.638	0.661	0.683		0.657	0.647	4.18
3) hexachlorobe	0.975	1.073	1.168	1.112	1.141	1.200	1.042	1.146	1.107	6.65
4) alpha-BHC	1.141	1.391	1.604	1.716	1.822	1.999	1.134	1.871	1.585	20.87
----- Quadratic regression ----- Coefficient = 0.9998										
Response Ratio = -0.01456 + 1.63109 *A + 0.18363 *A^2										
5) gamma-BHC	1.087	1.230	1.393	1.460	1.564	1.709	1.061	1.602	1.388	17.38
6) Heptachlor	1.259	1.370	1.550	1.622	1.677	1.789	1.312	1.702	1.535	12.87
7) beta-BHC	0.521	0.553	0.565	0.543	0.583	0.608	0.483	0.582	0.555	7.11
8) delta-BHC	1.642	1.460	1.455	1.474	1.546	1.703	2.300	1.599	1.647	16.93
9) Aldrin	1.167	1.302	1.451	1.497	1.616	1.741	1.185	1.653	1.451	14.91
10) alachlor		0.142	0.164	0.147	0.145			0.141	0.148	6.35
11) Heptachlor E	1.119	1.210	1.336	1.301	1.421	1.499	1.141	1.437	1.308	10.81
12) gamma-Chlord	1.128	1.265	1.347	1.371	1.480	1.617	1.158	1.529	1.362	12.80
13) alpha-Chlord	1.279	1.298	1.395	1.378	1.468	1.587	1.518	1.503	1.428	7.64
14) Endosulfan I	1.196	1.276	1.394	1.347	1.446	1.494	1.239	1.445	1.354	8.00
15) 4,4'-DDE	0.844	0.940	1.064	1.185	1.232	1.350	0.843	1.276	1.092	18.20
16) Dieldrin	1.264	1.313	1.406	1.435	1.516	1.595	1.274	1.531	1.417	8.85
17) Endrin	1.074	1.168	1.287	1.315	1.393	1.472	1.094	1.412	1.277	11.78
18) 4,4'-DDD	0.676	0.740	0.796	0.886	0.952	1.045	0.707	0.988	0.849	16.37
19) Endosulfan I	1.025	1.097	1.178	1.175	1.251	1.317	1.050	1.263	1.169	8.99
20) 4,4'-DDT	0.519	0.626	0.719	0.818	0.899	1.017	0.478	0.943	0.752	26.57
----- Quadratic regression ----- Coefficient = 0.9976										
Response Ratio = -0.00514 + 0.69800 *A + 0.17140 *A^2										
21) Endrin Aldeh	0.911	0.860	0.892	0.848	0.881	0.919	0.947	0.888	0.893	3.61
22) Endosulfan S	0.884	0.942	0.989	0.985	1.048	1.115	0.911	1.060	0.992	7.95
23) Methoxychlor	0.312	0.343	0.379	0.402	0.403	0.429	0.293	0.411	0.372	13.38
24) Mirex	0.877	0.864	0.903	0.855	0.890	0.926	0.878	0.890	0.885	2.53
25) Endrin Keton	1.083	1.177	1.275	1.239	1.300	1.351	1.110	1.298	1.229	7.84
26) Decachlorobi			0.955	0.881	0.930	1.005		0.941	0.942	4.74
27) I 1-bromo-2-nitrobenzen	ISTD									
28) Toxaphene{A}				0.005					0.005	0.00
29) Toxaphene{B}				0.011					0.011	0.00
30) Toxaphene{C}				0.016					0.016	0.00
31) Toxaphene{D}				0.019					0.019	0.00
32) Toxaphene{E}				0.028					0.028	0.00
33) I 1-bromo-2-nitrobenzen	ISTD									
34) Chlordane {A				0.095					0.095	0.00
35) Chlordane {B				0.051					0.051	0.00
36) Chlordane {C				0.205					0.205	0.00
37) Chlordane {D				0.324					0.324	0.00
38) Chlordane {E				0.043					0.043	0.00

Initial Calibration Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G4G4506-ICC4506
Lab FileID: 4G9741759.D

Signal #2

1)	I 1-bromo-2-nitrobenzen	----------ISTD----------									
2)	Tetrachloro-	0.969	1.009	1.075	1.021	1.031	1.012		1.017	1.019	3.10
3)	hexachlorobe	1.286	1.285	1.381	1.268	1.265	1.262	1.347	1.265	1.295	3.45
4)	alpha-BHC	1.470	1.648	1.812	1.852	1.911	1.982	1.523	1.960	1.770	11.20
5)	gamma-BHC	1.304	1.450	1.619	1.610	1.659	1.707	1.325	1.685	1.545	10.50
6)	Heptachlor	1.284	1.426	1.499	1.532	1.610	1.648	1.394	1.629	1.503	8.52
7)	beta-BHC	0.660	0.708	0.691	0.674	0.691	0.702	0.658	0.695	0.685	2.74
8)	delta-BHC	1.185	1.379	1.401	1.573	1.650	1.735	1.215	1.693	1.479	14.48
9)	Aldrin	1.362	1.417	1.551	1.512	1.590	1.590	1.465	1.581	1.508	5.72
10)	alachlor		0.172	0.186	0.167	0.166			0.161	0.170	5.61
11)	Heptachlor E	1.141	1.196	1.297	1.271	1.339	1.351	1.189	1.331	1.264	6.29
12)	gamma-Chlord	1.070	1.163	1.203	1.215	1.308	1.338	1.145	1.299	1.218	7.58
13)	alpha-Chlord	1.040	1.095	1.213	1.159	1.238	1.254	1.085	1.254	1.167	7.28
14)	Endosulfan I	1.019	1.256	1.224	1.098	1.146	1.147	0.967	1.140	1.125	8.58
15)	4,4'-DDE	0.929	0.978	1.022	1.068	1.139	1.156	1.161	1.137	1.074	8.30
16)	Dieldrin	0.959	1.030	1.112	1.121	1.196	1.219	1.015	1.204	1.107	8.81
17)	Endrin	0.816	0.904	0.949	0.948	1.010	1.047	0.830	1.013	0.939	9.07
18)	4,4'-DDD	0.634	0.708	0.708	0.749	0.798	0.843	0.652	0.810	0.738	10.23
19)	Endosulfan I	0.828	0.884	0.905	0.900	0.959	1.001	0.842	0.964	0.911	6.66
20)	4,4'-DDT	0.278	0.401	0.490	0.580	0.649	0.740	0.243	0.695	0.510	36.99
	----- Quadratic regression ----- Coefficient = 0.9949										
	Response Ratio = -0.00541 + 0.47401 *A + 0.14820 *A^2										
21)	Endrin Aldeh	0.661	0.695	0.700	0.637	0.672	0.704	0.681	0.688	0.679	3.32
22)	Endosulfan S	0.666	0.704	0.724	0.708	0.756	0.793	0.673	0.770	0.724	6.28
23)	Methoxychlor	0.189	0.235	0.253	0.280	0.300	0.327	0.174	0.313	0.259	21.81
	----- Quadratic regression ----- Coefficient = 0.9983										
	Response Ratio = -0.00178 + 0.25222 *A + 0.04121 *A^2										
24)	Mirex	0.651	0.660	0.685	0.625	0.643	0.659	0.665	0.647	0.654	2.66
25)	Endrin Keton	0.733	0.800	0.851	0.820	0.874	0.905	0.709	0.885	0.822	8.67
26)	Decachlorobi			0.635	0.563	0.557	0.579		0.551	0.577	5.90
27)	I 1-bromo-2-nitrobenzen	----------ISTD----------									
28)	Toxaphene{A}					0.005				0.005	0.00
29)	Toxaphene{B}					0.024				0.024	0.00
30)	Toxaphene{C}					0.010				0.010	0.00
31)	Toxaphene{D}					0.017				0.017	0.00
32)	Toxaphene{E}					0.016				0.016	0.00
33)	I 1-bromo-2-nitrobenzen	----------ISTD----------									
34)	Chlordane {A					0.099				0.099	0.00
35)	Chlordane {B					0.055				0.055	0.00
36)	Chlordane {C					0.176				0.176	0.00
37)	Chlordane {D					0.277				0.277	0.00
38)	Chlordane {E					0.035				0.035	0.00

(#) = Out of Range ### Number of calibration levels exceeded format ###

4PSTLVI4506.M Tue Nov 26 06:00:48 2024

Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G4G4506-ICV4506
Lab FileID: 4G9741763.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\g4...\4g9741763.d\ECD1A.ch Vial: 11
Signal #2 : C:\msdchem\1\data\g4g4506\4g9741763.d\ECD2B.ch
Acq On : 25 Nov 2024 7:27 pm Operator: mahalial
Sample : icv4506-2.5 (pest mix) Inst : GC4G
Misc : op59415,g4g4506,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\MSDCHEM\1\METHODS\4PSTLVI4506.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Tue Nov 26 05:28:46 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	78	0.00	4.41- 5.41
2	SAB	Tetrachloro-m-xylene	0.647	0.733	-13.3	89	0.00	5.56- 5.62
3		hexachlorobenzene	1.107	1.162	-5.0	81	0.00	5.92- 5.98
		---------- True Calc. % Drift ----------						
4	A	alpha-BHC	2.500	2.580	-3.2	80	0.00	6.08- 6.14
		---------- AvgRF CCRF % Dev ----------						
5	MA	gamma-BHC	1.388	1.522	-9.7	81	0.00	6.40- 6.46
6	MA	Heptachlor	1.535	1.593	-3.8	77	0.00	6.92- 6.98
7	B	beta-BHC	0.555	0.571	-2.9	82	0.00	6.49- 6.55
8	B	delta-BHC	1.647	1.466	11.0	78	0.00	6.68- 6.74
9	MB	Aldrin	1.451	1.585	-9.2	82	0.00	7.27- 7.33
10		alachlor	0.148	0.155	-4.7	82	0.00	7.43- 7.49
11	B	Heptachlor Epoxide	1.308	1.397	-6.8	84	0.00	8.01- 8.07
12	B	gamma-Chlordane	1.362	1.432	-5.1	81	0.00	8.18- 8.24
13	B	alpha-Chlordane	1.428	1.368	4.2	77	0.00	8.36- 8.42
14	A	Endosulfan I	1.354	1.406	-3.8	81	0.00	8.54- 8.60
15	B	4,4'-DDE	1.092	1.131	-3.6	74	0.00	8.47- 8.53
16	MA	Dieldrin	1.417	1.476	-4.2	80	0.00	8.87- 8.93
17	MA	Endrin	1.277	1.323	-3.6	78	0.00	9.20- 9.26
18	A	4,4'-DDD	0.849	0.897	-5.7	79	0.00	9.33- 9.39
19	B	Endosulfan II	1.169	1.216	-4.0	81	0.00	9.53- 9.59
		---------- True Calc. % Drift ----------						
20	MA	4,4'-DDT	2.500	2.641	-5.6	78	0.00	9.75- 9.81
		---------- AvgRF CCRF % Dev ----------						
21	B	Endrin Aldehyde	0.893	0.970	-8.6	89	0.00	10.17-10.23
22	B	Endosulfan Sulfate	0.992	0.993	-0.1	79	0.00	10.87-10.93
23	A	Methoxychlor	0.372	0.395	-6.2	77	0.00	10.54-10.60
24		Mirex	0.885	0.891	-0.7	81	0.00	10.70-10.76
25	B	Endrin Ketone	1.229	1.267	-3.1	80	0.00	11.31-11.37
26	SA	Decachlorobiphenyl	0.942	0.997	-5.8	88	0.00	13.08-13.14
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	78	0.00	4.41- 5.41
28	L8	Toxaphene{A}	----------NA----------					
29	L8	Toxaphene{B}	----------NA----------					
30	L8	Toxaphene{C}	----------NA----------					
31	L8	Toxaphene{D}	----------NA----------					
32	L8	Toxaphene{E}	----------NA----------					

33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	78	0.00	4.41- 5.41
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				
*****		Signal #2 *****						
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	79	0.00	4.73- 5.73
2	SAB	Tetrachloro-m-xylene	1.019	1.167	-14.5	90	0.00	6.12- 6.18
3		hexachlorobenzene	1.295	1.323	-2.2	82	0.00	6.66- 6.72
4	A	alpha-BHC	1.770	1.899	-7.3	81	0.00	6.83- 6.89
5	MA	gamma-BHC	1.545	1.674	-8.3	82	0.00	7.28- 7.34
6	MA	Heptachlor	1.503	1.595	-6.1	82	0.00	7.89- 7.95
7	B	beta-BHC	0.685	0.690	-0.7	81	0.00	7.38- 7.44
8	B	delta-BHC	1.479	1.490	-0.7	75	0.00	7.79- 7.85
9	MB	Aldrin	1.508	1.601	-6.2	84	0.00	8.36- 8.42
10		alachlor	0.170	0.182	-7.1	86	0.00	8.15- 8.21
11	B	Heptachlor Epoxide	1.264	1.323	-4.7	82	0.00	9.20- 9.26
12	B	gamma-Chlordane	1.218	1.286	-5.6	84	0.00	9.50- 9.56
13	B	alpha-Chlordane	1.167	1.159	0.7	79	0.00	9.73- 9.79
14	A	Endosulfan I	1.125	1.148	-2.0	83	0.00	9.83- 9.89
15	B	4,4'-DDE	1.074	1.108	-3.2	82	0.00	9.99-10.05
16	MA	Dieldrin	1.107	1.167	-5.4	82	0.00	10.27-10.33
17	MA	Endrin	0.939	0.970	-3.3	81	0.00	10.79-10.85
18	A	4,4'-DDD	0.738	0.774	-4.9	82	0.00	10.96-11.02
19	B	Endosulfan II	0.911	0.930	-2.1	82	0.00	11.14-11.20
		---------- True Calc. % Drift ----------						
20	MA	4,4'-DDT	2.500	2.642	-5.7	78	0.00	11.50-11.56
		---------- AvgRF CCRF % Dev ----------						
21	B	Endrin Aldehyde	0.679	0.735	-8.2	91	0.00	11.72-11.78
22	B	Endosulfan Sulfate	0.724	0.728	-0.6	81	0.00	12.20-12.26
		---------- True Calc. % Drift ----------						
23	A	Methoxychlor	2.500	2.706	-8.2	83	0.00	12.74-12.80
		---------- AvgRF CCRF % Dev ----------						
24		Mirex	0.654	0.662	-1.2	84	0.00	13.08-13.14
25	B	Endrin Ketone	0.822	0.862	-4.9	83	0.00	13.13-13.19
26	SA	Decachlorobiphenyl	0.577	0.624	-8.1	88	0.00	14.72-14.78
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	79	0.00	4.73- 5.73
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	79	0.00	4.73- 5.73
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				

Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G4G4506-ICV4506
Lab FileID: 4G9741763.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
4g9741759.d 4PSTLVI4506.M Tue Nov 26 05:31:37 2024

Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G4G4506-ICV4506
Lab FileID: 4G9741765.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\g4...\4g9741765.d\ECD1A.ch Vial: 13
Signal #2 : C:\msdchem\1\data\g4g4506\4g9741765.d\ECD2B.ch
Acq On : 25 Nov 2024 8:13 pm Operator: mahalial
Sample : icv4506-50 (chlordane) Inst : GC4G
Misc : op59415,g4g4506,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\MSDCHEM\1\METHODS\4PSTLVI4506.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Tue Nov 26 05:35:34 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	98	0.00	4.41- 5.41
2	SAB	Tetrachloro-m-xylene	0.647	0.697	-7.7	103	0.00	5.56- 5.62
3		hexachlorobenzene	----------NA----------					
		---------- True Calc. % Drift ----------						
4	A	alpha-BHC	----------NA----------					
		---------- AvgRF CCRF % Dev ----------						
5	MA	gamma-BHC	----------NA----------					
6	MA	Heptachlor	----------NA----------					
7	B	beta-BHC	----------NA----------					
8	B	delta-BHC	----------NA----------					
9	MB	Aldrin	----------NA----------					
10		alachlor	----------NA----------					
11	B	Heptachlor Epoxide	----------NA----------					
12	B	gamma-Chlordane	----------NA----------					
13	B	alpha-Chlordane	----------NA----------					
14	A	Endosulfan I	----------NA----------					
15	B	4,4'-DDE	----------NA----------					
16	MA	Dieldrin	----------NA----------					
17	MA	Endrin	----------NA----------					
18	A	4,4'-DDD	----------NA----------					
19	B	Endosulfan II	----------NA----------					
		---------- True Calc. % Drift ----------						
20	MA	4,4'-DDT	----------NA----------					
		---------- AvgRF CCRF % Dev ----------						
21	B	Endrin Aldehyde	----------NA----------					
22	B	Endosulfan Sulfate	----------NA----------					
23	A	Methoxychlor	----------NA----------					
24		Mirex	----------NA----------					
25	B	Endrin Ketone	----------NA----------					
26	SA	Decachlorobiphenyl	0.942	0.972	-3.2	102	0.00	13.08-13.14
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	98	0.00	4.41- 5.41
28	L8	Toxaphene{A}	----------NA----------					
29	L8	Toxaphene{B}	----------NA----------					
30	L8	Toxaphene{C}	----------NA----------					
31	L8	Toxaphene{D}	----------NA----------					
32	L8	Toxaphene{E}	----------NA----------					

Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G4G4506-ICV4506
Lab FileID: 4G9741765.D

33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	109	0.00	4.41- 5.41
34		Chlordane {A}	0.095	0.091	4.2	104	0.00	6.85- 7.05
35		Chlordane {B}	0.051	0.052	-2.0	111	0.00	7.35- 7.55
36		Chlordane {C}	0.205	0.202	1.5	107	0.00	8.11- 8.31
37		Chlordane {D}	0.324	0.314	3.1	106	0.00	8.28- 8.48
38		Chlordane {E}	0.043	0.041	4.7	105	0.00	9.36- 9.56

***** Signal #2 *****

1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	99	0.00	4.73- 5.73
2	SAB	Tetrachloro-m-xylene	1.019	1.082	-6.2	104	0.00	6.12- 6.18
3		hexachlorobenzene		----------NA----------				
4	A	alpha-BHC		----------NA----------				
5	MA	gamma-BHC		----------NA----------				
6	MA	Heptachlor		----------NA----------				
7	B	beta-BHC		----------NA----------				
8	B	delta-BHC		----------NA----------				
9	MB	Aldrin		----------NA----------				
10		alachlor		----------NA----------				
11	B	Heptachlor Epoxide		----------NA----------				
12	B	gamma-Chlordane		----------NA----------				
13	B	alpha-Chlordane		----------NA----------				
14	A	Endosulfan I		----------NA----------				
15	B	4,4'-DDE		----------NA----------				
16	MA	Dieldrin		----------NA----------				
17	MA	Endrin		----------NA----------				
18	A	4,4'-DDD		----------NA----------				
19	B	Endosulfan II		----------NA----------				
		---------- True	Calc.	% Drift ----------				
20	MA	4,4'-DDT		----------NA----------				
		---------- AvgRF	CCRF	% Dev ----------				
21	B	Endrin Aldehyde		----------NA----------				
22	B	Endosulfan Sulfate		----------NA----------				
		---------- True	Calc.	% Drift ----------				
23	A	Methoxychlor		----------NA----------				
		---------- AvgRF	CCRF	% Dev ----------				
24		Mirex		----------NA----------				
25	B	Endrin Ketone		----------NA----------				
26	SA	Decachlorobiphenyl	0.577	0.622	-7.8	111	0.00	14.72-14.78
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	99	0.00	4.73- 5.73
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	109	0.00	4.73- 5.73
34		Chlordane {A}	0.099	0.094	5.1	104	0.00	7.82- 8.02
35		Chlordane {B}	0.055	0.052	5.5	103	0.00	8.49- 8.69
36		Chlordane {C}	0.176	0.165	6.2	102	0.00	9.43- 9.63
37		Chlordane {D}	0.277	0.259	6.5	102	0.00	9.66- 9.86
38		Chlordane {E}	0.035	0.033	5.7	104	0.00	11.15-11.35

Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G4G4506-ICV4506
Lab FileID: 4G9741765.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
4g9741764.d 4PSTLVI4506.M Tue Nov 26 05:37:05 2024

Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G4G4506-ICV4506
Lab FileID: 4G9741767.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\msdchem\1\data\g4...\4g9741767.d\ECD1A.ch Vial: 15
Signal #2 : C:\msdchem\1\data\g4g4506\4g9741767.d\ECD2B.ch
Acq On    : 25 Nov 2024   8:59 pm                    Operator: mahalial
Sample    : icv4506-50 (toxaphene)                   Inst    : GC4G
Misc      : op59415,g4g4506,5.0,,,10,1               Multiplr: 1.00
IntFile Signal #1: autoint1.e   IntFile Signal #2: autoint2.e

Method       : C:\MSDCHEM\1\METHODS\4PSTLVI4506.M (ChemStation Integrator)
Title        : PEST/PCB
Last Update  : Tue Nov 26 05:57:51 2024
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 150%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	114	0.00	4.41- 5.41
2	SAB	Tetrachloro-m-xylene		----------NA----------				
3		hexachlorobenzene		----------NA----------				
		---------- True	Calc.	% Drift ----------				
4	A	alpha-BHC		----------NA----------				
		---------- AvgRF	CCRF	% Dev ----------				
5	MA	gamma-BHC		----------NA----------				
6	MA	Heptachlor		----------NA----------				
7	B	beta-BHC		----------NA----------				
8	B	delta-BHC		----------NA----------				
9	MB	Aldrin		----------NA----------				
10		alachlor		----------NA----------				
11	B	Heptachlor Epoxide		----------NA----------				
12	B	gamma-Chlordane		----------NA----------				
13	B	alpha-Chlordane		----------NA----------				
14	A	Endosulfan I		----------NA----------				
15	B	4,4'-DDE		----------NA----------				
16	MA	Dieldrin		----------NA----------				
17	MA	Endrin		----------NA----------				
18	A	4,4'-DDD		----------NA----------				
19	B	Endosulfan II		----------NA----------				
		---------- True	Calc.	% Drift ----------				
20	MA	4,4'-DDT		----------NA----------				
		---------- AvgRF	CCRF	% Dev ----------				
21	B	Endrin Aldehyde		----------NA----------				
22	B	Endosulfan Sulfate		----------NA----------				
23	A	Methoxychlor		----------NA----------				
24		Mirex		----------NA----------				
25	B	Endrin Ketone		----------NA----------				
26	SA	Decachlorobiphenyl		----------NA----------				
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	117	0.00	4.41- 5.41
28	L8	Toxaphene{A}	0.005	0.005	0.0	117	0.00	8.25- 8.45
29	L8	Toxaphene{B}	0.011	0.010	9.1	106	0.00	8.94- 9.14
30	L8	Toxaphene{C}	0.016	0.017	-6.3	124	0.00	9.97-10.17
31	L8	Toxaphene{D}	0.019	0.015	21.1#	91	0.00	10.48-10.68
32	L8	Toxaphene{E}	0.028	0.019	32.1#	81	0.00	10.63-10.83

Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G4G4506-ICV4506
Lab FileID: 4G9741767.D

33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	127	0.00	4.41- 5.41
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				

***** Signal #2 *****

1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	114	0.00	4.73- 5.73
2	SAB	Tetrachloro-m-xylene		----------NA----------				
3		hexachlorobenzene		----------NA----------				
4	A	alpha-BHC		----------NA----------				
5	MA	gamma-BHC		----------NA----------				
6	MA	Heptachlor		----------NA----------				
7	B	beta-BHC		----------NA----------				
8	B	delta-BHC		----------NA----------				
9	MB	Aldrin		----------NA----------				
10		alachlor		----------NA----------				
11	B	Heptachlor Epoxide		----------NA----------				
12	B	gamma-Chlordane		----------NA----------				
13	B	alpha-Chlordane		----------NA----------				
14	A	Endosulfan I		----------NA----------				
15	B	4,4'-DDE		----------NA----------				
16	MA	Dieldrin		----------NA----------				
17	MA	Endrin		----------NA----------				
18	A	4,4'-DDD		----------NA----------				
19	B	Endosulfan II		----------NA----------				
		----------	True	Calc.	% Drift	----------		
20	MA	4,4'-DDT		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
21	B	Endrin Aldehyde		----------NA----------				
22	B	Endosulfan Sulfate		----------NA----------				
		----------	True	Calc.	% Drift	----------		
23	A	Methoxychlor		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
24		Mirex		----------NA----------				
25	B	Endrin Ketone		----------NA----------				
26	SA	Decachlorobiphenyl		----------NA----------				
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	115	0.00	4.73- 5.73
28	L8	Toxaphene{A}	0.005	0.006	-20.0	124	0.00	10.35-10.55
29	L8	Toxaphene{B}	0.024	0.031	-29.2#	149	0.00	11.21-11.41
30	L8	Toxaphene{C}	0.010	0.009	10.0	104	0.00	11.53-11.73
31	L8	Toxaphene{D}	0.017	0.014	17.6	98	0.00	11.65-11.85
32	L8	Toxaphene{E}	0.016	0.015	6.3	105	0.00	12.57-12.77
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	125	0.00	4.73- 5.73
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				

Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G4G4506-ICV4506
Lab FileID: 4G9741767.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
4g9741766.d 4PSTLVI4506.M Tue Nov 26 06:00:17 2024

Continuing Calibration Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G4G4521-CC4506
Lab FileID: 4G9742087.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\tr...\4g9742087.d\ECD1A.ch Vial: 4
Signal #2 : C:\msdchem\1\data\trude\g4g4521\4g9742087.d\ECD2B.ch
Acq On : 7 Dec 2024 8:13 am Operator: rebeccak
Sample : cc4506-5 Inst : GC4G
Misc : op59920,g4g4521,30,,,2,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\dat...21\4PSTLVI4506.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Mon Dec 09 01:12:57 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	96	0.00	4.39- 5.39
2	SAB	Tetrachloro-m-xylene	0.647	0.661	-2.2	96	0.00	5.54- 5.60
3		hexachlorobenzene	1.107	1.151	-4.0	96	0.00	5.90- 5.96
		----------	Amount	Calc.	%Drift	----------		
4	A	alpha-BHC	5.000	5.180	-3.6	98	0.00	6.06- 6.12
		----------	AvgRF	CCRF	%Dev	----------		
5	MA	gamma-BHC	1.388	1.603	-15.5	98	0.00	6.37- 6.43
6	MA	Heptachlor	1.535	1.722	-12.2	98	0.00	6.89- 6.95
7	B	beta-BHC	0.555	0.537	3.2	88	0.00	6.46- 6.52
8	B	delta-BHC	1.647	1.542	6.4	95	0.00	6.65- 6.71
9	MB	Aldrin	1.451	1.591	-9.6	94	0.00	7.24- 7.30
10		alachlor	0.148	0.140	5.4	92	0.00	7.40- 7.46
11	B	Heptachlor Epoxide	1.308	1.368	-4.6	92	0.00	7.99- 8.05
12	B	gamma-Chlordane	1.362	1.456	-6.9	94	0.00	8.15- 8.21
13	B	alpha-Chlordane	1.428	1.442	-1.0	94	0.00	8.33- 8.39
14	A	Endosulfan I	1.354	1.388	-2.5	92	0.00	8.51- 8.57
15	B	4,4'-DDE	1.092	1.243	-13.8	96	0.00	8.45- 8.51
16	MA	Dieldrin	1.417	1.482	-4.6	93	0.00	8.84- 8.90
17	MA	Endrin	1.277	1.378	-7.9	94	0.00	9.18- 9.24
18	A	4,4'-DDD	0.849	0.966	-13.8	97	0.00	9.30- 9.36
19	B	Endosulfan II	1.169	1.210	-3.5	92	0.00	9.50- 9.56
		----------	Amount	Calc.	%Drift	----------		
20	MA	4,4'-DDT	5.000	5.892	-17.8	112	0.00	9.72- 9.78
		----------	AvgRF	CCRF	%Dev	----------		
21	B	Endrin Aldehyde	0.893	0.865	3.1	94	0.00	10.14-10.20
22	B	Endosulfan Sulfate	0.992	1.028	-3.6	94	0.00	10.84-10.90
23	A	Methoxychlor	0.372	0.491	-32.0#	117	0.00	10.51-10.57
24		Mirex	0.885	0.861	2.7	92	0.00	10.67-10.73
25	B	Endrin Ketone	1.229	1.295	-5.4	95	0.00	11.28-11.34
26	SA	Decachlorobiphenyl	0.942	0.904	4.0	93	0.00	13.05-13.11
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	98	0.00	4.39- 5.39
28	L8	Toxaphene{A}	----------NA----------					
29	L8	Toxaphene{B}	----------NA----------					
30	L8	Toxaphene{C}	----------NA----------					
31	L8	Toxaphene{D}	----------NA----------					
32	L8	Toxaphene{E}	----------NA----------					

Continuing Calibration Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G4G4521-CC4506
Lab FileID: 4G9742087.D

33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	107	0.00	4.39- 5.39
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				

***** Signal #2 *****

1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	61	0.00	4.71- 5.71
2	SAB	Tetrachloro-m-xylene	1.019	0.998	2.1	59	0.00	6.09- 6.15
3		hexachlorobenzene	1.295	1.186	8.4	57	0.00	6.64- 6.70
4	A	alpha-BHC	1.770	1.808	-2.1	57	0.00	6.80- 6.86
5	MA	gamma-BHC	1.545	1.587	-2.7	58	0.00	7.25- 7.31
6	MA	Heptachlor	1.503	1.573	-4.7	59	0.00	7.85- 7.91
7	B	beta-BHC	0.685	0.648	5.4	57	0.00	7.34- 7.40
8	B	delta-BHC	1.479	1.540	-4.1	57	0.00	7.75- 7.81
9	MB	Aldrin	1.508	1.484	1.6	57	0.00	8.32- 8.38
10		alachlor	0.170	0.176	-3.5	64	0.00	8.12- 8.18
11	B	Heptachlor Epoxide	1.264	1.333	-5.5	60	0.00	9.16- 9.22
12	B	gamma-Chlordane	1.218	1.300	-6.7	60	0.00	9.46- 9.52
13	B	alpha-Chlordane	1.167	1.255	-7.5	61	0.00	9.69- 9.75
14	A	Endosulfan I	1.125	1.206	-7.2	64	0.00	9.79- 9.85
15	B	4,4'-DDE	1.074	1.195	-11.3	64	0.00	9.95-10.01
16	MA	Dieldrin	1.107	1.270	-14.7	64	0.00	10.23-10.29
17	MA	Endrin	0.939	1.127	-20.0#	68	0.00	10.75-10.81
18	A	4,4'-DDD	0.738	0.890	-20.6#	68	0.00	10.92-10.98
19	B	Endosulfan II	0.911	1.043	-14.5	66	0.00	11.10-11.16
		----------	Amount	Calc.	%Drift	----------		
20	MA	4,4'-DDT	5.000	6.105	-22.1#	74	0.00	11.46-11.52
		----------	AvgRF	CCRF	%Dev	----------		
21	B	Endrin Aldehyde	0.679	0.743	-9.4	67	0.00	11.68-11.74
22	B	Endosulfan Sulfate	0.724	0.856	-18.2	69	0.00	12.16-12.22
		----------	Amount	Calc.	%Drift	----------		
23	A	Methoxychlor	5.000	6.737	-34.7#	83	0.00	12.70-12.76
		----------	AvgRF	CCRF	%Dev	----------		
24		Mirex	0.654	0.721	-10.2	68	0.00	13.04-13.10
25	B	Endrin Ketone	0.822	1.079	-31.3#	75	0.00	13.09-13.15
26	SA	Decachlorobiphenyl	0.577	0.696	-20.6#	76	0.00	14.69-14.75
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	62	0.00	4.71- 5.71
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	67	0.00	4.71- 5.71
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				

Continuing Calibration Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G4G4521-CC4506
Lab FileID: 4G9742087.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
4g9742082.d 4PSTLVI4506.M Mon Dec 09 01:20:02 2024

Continuing Calibration Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G4G4522-CC4506
Lab FileID: 4G9742112.D

Evaluate Continuing Calibration Report

Signal #1 : V:\completed\2024\12...\4g9742112.d\ECD1A.ch Vial: 2
Signal #2 : V:\completed\2024\12. De...4522\4g9742112.d\ECD2B.ch
Acq On : 8 Dec 2024 8:32 am Operator: rebeccak
Sample : cc4506-2.5 Inst : GC4G
Misc : op59854,g4g4522,5.06,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : X:\Dayton SVOA G...22\4PSTLVI4506.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Mon Dec 09 10:11:39 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	120	0.00	4.39- 5.39
2	SAB	Tetrachloro-m-xylene	0.647	0.615	4.9	115	0.00	5.54- 5.60
3		hexachlorobenzene	1.107	1.107	0.0	119	0.00	5.90- 5.96
		---------- True Calc. % Drift ----------						
4	A	alpha-BHC	2.500	2.545	-1.8	120	0.00	6.06- 6.12
		---------- AvgRF CCRF % Dev ----------						
5	MA	gamma-BHC	1.388	1.476	-6.3	121	0.00	6.37- 6.43
6	MA	Heptachlor	1.535	1.597	-4.0	118	0.00	6.89- 6.95
7	B	beta-BHC	0.555	0.500	9.9	110	0.00	6.46- 6.52
8	B	delta-BHC	1.647	1.412	14.3	115	0.00	6.65- 6.71
9	MB	Aldrin	1.451	1.430	1.4	114	0.00	7.24- 7.30
10		alachlor	0.148	0.134	9.5	109	0.00	7.40- 7.46
11	B	Heptachlor Epoxide	1.308	1.169	10.6	108	0.00	7.99- 8.05
12	B	gamma-Chlordane	1.362	1.341	1.5	117	0.00	8.16- 8.22
13	B	alpha-Chlordane	1.428	1.274	10.8	111	0.00	8.33- 8.39
14	A	Endosulfan I	1.354	1.215	10.3	108	0.00	8.52- 8.58
15	B	4,4'-DDE	1.092	1.210	-10.8	122	0.00	8.45- 8.51
16	MA	Dieldrin	1.417	1.341	5.4	112	0.00	8.85- 8.91
17	MA	Endrin	1.277	1.257	1.6	114	0.00	9.18- 9.24
18	A	4,4'-DDD	0.849	0.900	-6.0	122	0.00	9.30- 9.36
19	B	Endosulfan II	1.169	1.084	7.3	110	0.00	9.51- 9.57
		---------- True Calc. % Drift ----------						
20	MA	4,4'-DDT	2.500	2.988	-19.5	139	0.00	9.72- 9.78
		---------- AvgRF CCRF % Dev ----------						
21	B	Endrin Aldehyde	0.893	0.812	9.1	115	0.00	10.15-10.21
22	B	Endosulfan Sulfate	0.992	0.874	11.9	106	0.00	10.84-10.90
23	A	Methoxychlor	0.372	0.465	-25.0#	139	0.00	10.51-10.57
24		Mirex	0.885	0.733	17.2	103	0.00	10.68-10.74
25	B	Endrin Ketone	1.229	1.061	13.7	102	0.00	11.28-11.34
26	SA	Decachlorobiphenyl	0.942	0.732	22.3#	99	0.00	13.06-13.12
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	120	0.00	4.39- 5.39
28	L8	Toxaphene{A}	----------NA----------					
29	L8	Toxaphene{B}	----------NA----------					
30	L8	Toxaphene{C}	----------NA----------					
31	L8	Toxaphene{D}	----------NA----------					
32	L8	Toxaphene{E}	----------NA----------					

Continuing Calibration Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G4G4522-CC4506
Lab FileID: 4G9742112.D

33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	120	0.00	4.39- 5.39
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				
*****		Signal #2 *****						
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	74	0.00	4.71- 5.71
2	SAB	Tetrachloro-m-xylene	1.019	0.954	6.4	69	0.00	6.09- 6.15
3		hexachlorobenzene	1.295	1.142	11.8	66	0.00	6.64- 6.70
4	A	alpha-BHC	1.770	1.715	3.1	68	0.00	6.80- 6.86
5	MA	gamma-BHC	1.545	1.495	3.2	68	0.00	7.26- 7.32
6	MA	Heptachlor	1.503	1.445	3.9	69	0.00	7.86- 7.92
7	B	beta-BHC	0.685	0.615	10.2	67	0.00	7.35- 7.41
8	B	delta-BHC	1.479	1.463	1.1	68	0.00	7.76- 7.82
9	MB	Aldrin	1.508	1.384	8.2	67	0.00	8.33- 8.39
10		alachlor	0.170	0.176	-3.5	78	0.00	8.12- 8.18
11	B	Heptachlor Epoxide	1.264	1.258	0.5	73	0.00	9.17- 9.23
12	B	gamma-Chlordane	1.218	1.197	1.7	73	0.00	9.47- 9.53
13	B	alpha-Chlordane	1.167	1.189	-1.9	75	0.00	9.69- 9.75
14	A	Endosulfan I	1.125	1.155	-2.7	77	0.00	9.79- 9.85
15	B	4,4'-DDE	1.074	1.130	-5.2	78	0.00	9.96-10.02
16	MA	Dieldrin	1.107	1.172	-5.9	77	0.00	10.24-10.30
17	MA	Endrin	0.939	1.072	-14.2	83	0.00	10.75-10.81
18	A	4,4'-DDD	0.738	0.857	-16.1	84	0.00	10.93-10.99
19	B	Endosulfan II	0.911	0.964	-5.8	79	0.00	11.11-11.17
		---------- True		Calc.	% Drift		----------	
20	MA	4,4'-DDT	2.500	3.193	-27.7#	91	0.00	11.47-11.53
		---------- AvgRF		CCRF	% Dev		----------	
21	B	Endrin Aldehyde	0.679	0.714	-5.2	82	0.00	11.69-11.75
22	B	Endosulfan Sulfate	0.724	0.773	-6.8	80	0.00	12.16-12.22
		---------- True		Calc.	% Drift		----------	
23	A	Methoxychlor	2.500	3.400	-36.0#	99	0.00	12.71-12.77
		---------- AvgRF		CCRF	% Dev		----------	
24		Mirex	0.654	0.655	-0.2	77	0.00	13.05-13.11
25	B	Endrin Ketone	0.822	0.960	-16.8	86	0.00	13.10-13.16
26	SA	Decachlorobiphenyl	0.577	0.618	-7.1	81	0.00	14.70-14.76
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	74	0.00	4.71- 5.71
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	74	0.00	4.71- 5.71
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				

10.9.6 10

Continuing Calibration Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G4G4522-CC4506
Lab FileID: 4G9742112.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
4g9741759.d 4PSTLVI4506.M Mon Dec 09 12:18:38 2024

Initial Calibration Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G6G3879-ICC3879
Lab FileID: 6G103146.D

Response Factor Report GC6G

Method : C:\msdchem\1\methods\6PSTLVI3879a.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Sun Dec 08 21:21:56 2024
Response via : Initial Calibration

Calibration Files
2 =6g103143.d 5 =6g103144.d 10 =6g103145.d 25 =6g103146.d
50 =6g103148.d 100 =6g103150.d 1 =6g103142.d 75 =6g103149.d

Compound	2	5	10	25	50	100	1	75	Avg	%RSD
1) I 1-bromo-2-nitrobenzen	ISTD									
2) Tetrachloro-	1.085	1.120	0.984	1.085	1.069	1.051		1.052	1.064	3.97
3) Hexachlorobe	1.866	1.849	1.673	1.738	1.747	1.712	1.961	1.689	1.779	5.70
4) alpha-BHC	1.730	1.817	1.648	1.819	1.865	1.859	1.751	1.821	1.789	4.13
5) gamma-BHC	1.504	1.588	1.423	1.552	1.603	1.622	1.681	1.597	1.571	5.01
6) Heptachlor	1.472	1.565	1.415	1.572	1.517	1.464	1.647	1.439	1.511	5.20
7) beta-BHC	0.664	0.690	0.635	0.623	0.667	0.669	0.742	0.653	0.668	5.47
8) delta-BHC	1.349	1.608	1.393	1.420	1.595	1.615	1.658	1.559	1.525	7.76
9) Aldrin	1.436	1.529	1.353	1.511	1.491	1.465	1.596	1.455	1.479	4.84
10) Alachlor		0.198	0.163	0.164	0.152	0.136		0.138	0.158	14.26
11) Heptachlor E	0.996	1.295	1.037	0.894	1.294	1.153	0.727	1.058	1.057	18.30
12) gamma-Chlord	1.432	1.493	1.222	1.434	1.353	1.364	1.545	1.318	1.395	7.35
13) alpha-Chlord	1.284	1.407	1.176	1.344	1.312	1.322	1.460	1.270	1.322	6.54
14) Endosulfan I	1.261	1.400	1.140	1.231	1.238	1.198	1.432	1.204	1.263	8.01
15) 4,4'-DDE	1.213	1.323	1.122	1.315	1.279	1.285	1.356	1.206	1.262	6.09
16) Dieldrin	1.471	1.471	1.224	1.327	1.348	1.325	1.547	1.304	1.377	7.83
17) Endrin	1.235	1.326	1.111	1.289	1.236	1.196	1.362	1.137	1.236	7.10
18) 4,4'-DDD	1.003	1.085	0.952	1.037	1.059	1.040	1.130	0.985	1.036	5.47
19) Endosulfan I	1.156	1.216	1.032	1.135	1.130	1.091	1.281	1.056	1.137	7.22
20) 4,4'-DDT	1.039	1.148	0.989	1.200	1.129	1.131	1.142	1.041	1.102	6.44
21) Endrin Aldeh	1.103	0.957	0.820	0.894	0.833	0.808	1.169	0.781	0.921	15.74
22) Endosulfan S	0.984	1.058	0.883	1.000	0.974	0.980	1.027	0.916	0.978	5.76
23) Methoxychlor	0.567	0.572	0.515	0.570	0.558	0.533	0.645	0.525	0.561	7.24
24) Mirex	0.878	0.900	0.769	0.818	0.817	0.805	0.911	0.778	0.835	6.53
25) Endrin Keton	1.107	1.183	0.995	1.026	1.097	1.075	1.229	1.040	1.094	7.25
26) Decachlorobi	0.819	0.909	0.826	0.795	0.883	0.879	0.850	0.845	0.851	4.45
27) I 1-bromo-2-nitrobenzen	ISTD									
28) Toxaphene{A}				0.007					0.007	0.00
29) Toxaphene{B}				0.009					0.009	0.00
30) Toxaphene{C}				0.019					0.019	0.00
31) Toxaphene{D}				0.027					0.027	0.00
32) Toxaphene{E}				0.032					0.032	0.00
33) I 1-bromo-2-nitrobenzen	ISTD									
34) Chlordane {A				0.088					0.088	0.00
35) Chlordane {B				0.048					0.048	0.00
36) Chlordane {C				0.183					0.183	0.00
37) Chlordane {D				0.279					0.279	0.00
38) Chlordane {E				0.043					0.043	0.00

Signal #2

Compound	2	5	10	25	50	100	1	75	Avg	%RSD
1) I 1-bromo-2-nitrobenzen	ISTD									
2) Tetrachloro-	0.979	1.204	0.839	0.744	1.114	0.829		0.740	0.921	19.80

Initial Calibration Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G6G3879-ICC3879
Lab FileID: 6G103146.D

```
 3) Hexachlorobe 1.830 1.707 1.430 1.426 1.385 1.361 2.080 1.363 1.573  17.13
 4) alpha-BHC    2.405 2.088 1.763 1.847 1.818 1.819 2.589 1.797 2.016  15.72
 5) gamma-BHC    1.721 1.643 1.413 1.207 1.442 1.430 1.828 1.420 1.513  13.30
        ----- Quadratic regression -----  Coefficient =  0.9987
              Response Ratio = 0.00752 + 1.33758 *A + 0.04748 *A^2

 6) Heptachlor   1.739 1.548 1.308 1.262 1.227 1.146 2.086 1.170 1.436  23.14
        ----- Quadratic regression -----  Coefficient =  0.9999
              Response Ratio = 0.01995 + 1.25727 *A + -0.06174 *A^2

 7) beta-BHC     0.859 0.783 0.655 0.635 0.619 0.601 0.933 0.603 0.711  18.22
 8) delta-BHC    1.618 1.654 1.386 1.309 1.382 1.409 1.866 1.390 1.502  12.71
 9) Aldrin       1.753 1.397 1.168 1.106 1.079 0.960 2.203 1.014 1.335  32.55
        ----- Quadratic regression -----  Coefficient =  0.9999
              Response Ratio = 0.01913 + 1.14421 *A + -0.09602 *A^2

10) Alachlor           0.230 0.175 0.156 0.134 0.112       0.118 0.154  28.51
        ----- Quadratic regression -----  Coefficient =  0.9988
              Response Ratio = 0.00977 + 0.13860 *A + -0.01607 *A^2

11) Heptachlor E 1.350 1.228 1.017 0.920 0.918 0.840 1.539 0.866 1.085  23.74
        ----- Quadratic regression -----  Coefficient =  0.9998
              Response Ratio = 0.01714 + 0.94221 *A + -0.05547 *A^2

12) gamma-Chlord 1.279 1.185 0.974 0.986 0.934 0.898 1.419 0.894 1.071  18.48
13) alpha-Chlord 1.281 1.199 1.026 1.038 0.908 0.880 1.469 0.883 1.086  19.66
14) Endosulfan I 1.325 1.139 0.941 0.839 0.823 0.760 1.616 0.778 1.028  30.00
        ----- Quadratic regression -----  Coefficient =  0.9998
              Response Ratio = 0.02141 + 0.83414 *A + -0.04286 *A^2

15) 4,4'-DDE     1.228 1.142 0.952 0.936 0.908 0.866 1.390 0.840 1.033  19.18
16) Dieldrin     1.335 1.203 1.001 0.979 0.924 0.852 1.584 0.866 1.093  23.73
        ----- Quadratic regression -----  Coefficient =  0.9997
              Response Ratio = 0.01814 + 0.95295 *A + -0.05697 *A^2

17) Endrin       1.166 1.091 0.888 0.884 0.817 0.763 1.392 0.764 0.971  23.17
        ----- Quadratic regression -----  Coefficient =  0.9994
              Response Ratio = 0.01858 + 0.83360 *A + -0.04307 *A^2

18) 4,4'-DDD     1.017 0.959 0.798 0.785 0.748 0.704 1.072 0.691 0.847  17.44
19) Endosulfan I 1.168 1.071 0.884 0.853 0.805 0.737 1.286 0.743 0.943  21.86
        ----- Quadratic regression -----  Coefficient =  0.9994
              Response Ratio = 0.01701 + 0.82747 *A + -0.05243 *A^2

20) 4,4'-DDT     0.980 0.938 0.808 0.844 0.789 0.758 1.096 0.735 0.868  14.41
21) Endrin Aldeh 1.142 0.861 0.733 0.720 0.629 0.576 1.248 0.587 0.812  31.41
        ----- Quadratic regression -----  Coefficient =  0.9992
              Response Ratio = 0.01998 + 0.66050 *A + -0.04970 *A^2

22) Endosulfan S 1.127 1.056 0.876 0.878 0.822 0.757 1.322 0.758 0.950  21.13
        ----- Quadratic regression -----  Coefficient =  0.9993
              Response Ratio = 0.01559 + 0.84278 *A + -0.04994 *A^2

23) Methoxychlor 0.577 0.565 0.472 0.445 0.426 0.386 0.692 0.401 0.496  21.42
        ----- Quadratic regression -----  Coefficient =  0.9999
              Response Ratio = 0.00679 + 0.45079 *A + -0.03440 *A^2

24) Mirex        0.904 0.833 0.716 0.741 0.707 0.684 0.966 0.662 0.777  14.34
25) Endrin Keton 1.229 1.200 1.024 1.059 0.998 0.913 1.335 0.932 1.086  13.99
26) Decachlorobi 0.928 1.010 0.907 0.940 0.912 0.910 0.957 0.917 0.935   3.71
```

Initial Calibration Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G6G3879-ICC3879
Lab FileID: 6G103146.D

27)	I 1-bromo-2-nitrobenzen	----------ISTD----------		
28)	Toxaphene{A}	0.010	0.010	0.00
29)	Toxaphene{B}	0.012	0.012	0.00
30)	Toxaphene{C}	0.009	0.009	0.00
31)	Toxaphene{D}	0.020	0.020	0.00
32)	Toxaphene{E}	0.027	0.027	0.00
33)	I 1-bromo-2-nitrobenzen	----------ISTD----------		
34)	Chlordane {A	0.071	0.071	0.00
35)	Chlordane {B	0.035	0.035	0.00
36)	Chlordane {C	0.110	0.110	0.00
37)	Chlordane {D	0.185	0.185	0.00
38)	Chlordane {E	0.030	0.030	0.00

(#) = Out of Range ### Number of calibration levels exceeded format ###

6PSTLVI3879a.M Sun Dec 08 21:55:30 2024

Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G6G3879-ICV3879
Lab FileID: 6G103154.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\G6...9\6g103154.d\ECD1A.CH Vial: 0
Signal #2 : C:\msdchem\1\data\G6G3879\6g103154.d\ECD2B.CH
Acq On : 06 Dec 2024 16:25 pm Operator: rebeccak
Sample : icv3879-50 Inst : GC6G
Misc : op59754,g6g3879,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\methods\6PSTLVI3879a.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Sun Dec 08 21:21:56 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	101	0.00	4.82- 4.88
2	SAB	Tetrachloro-m-xylene	1.064	1.115	-4.8	106	0.00	5.49- 5.55
3		Hexachlorobenzene		----------NA----------				
4	A	alpha-BHC		----------NA----------				
5	MA	gamma-BHC		----------NA----------				
6	MA	Heptachlor		----------NA----------				
7	B	beta-BHC		----------NA----------				
8	B	delta-BHC		----------NA----------				
9	MB	Aldrin		----------NA----------				
10		Alachlor		----------NA----------				
11	B	Heptachlor Epoxide		----------NA----------				
12	B	gamma-Chlordane		----------NA----------				
13	B	alpha-Chlordane		----------NA----------				
14	A	Endosulfan I		----------NA----------				
15	B	4,4'-DDE		----------NA----------				
16	MA	Dieldrin		----------NA----------				
17	MA	Endrin		----------NA----------				
18	A	4,4'-DDD		----------NA----------				
19	B	Endosulfan II		----------NA----------				
20	MA	4,4'-DDT		----------NA----------				
21	B	Endrin Aldehyde		----------NA----------				
22	B	Endosulfan Sulfate		----------NA----------				
23	A	Methoxychlor		----------NA----------				
24		Mirex		----------NA----------				
25	B	Endrin Ketone		----------NA----------				
26	SA	Decachlorobiphenyl	0.851	0.844	0.8	97	0.00	12.94-13.00
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	98	0.00	4.75- 4.95
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	101	0.00	4.75- 4.95
34		Chlordane {A}	0.088	0.085	3.4	98	0.00	6.76- 6.96
35		Chlordane {B}	0.048	0.045	6.3	95	0.00	7.25- 7.45
36		Chlordane {C}	0.183	0.177	3.3	97	0.00	8.00- 8.20
37		Chlordane {D}	0.279	0.267	4.3	97	0.00	8.17- 8.37
38		Chlordane {E}	0.043	0.039	9.3	93	0.00	9.24- 9.44

Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G6G3879-ICV3879
Lab FileID: 6G103154.D

***** Signal #2 *****

1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	103	0.00	5.22-	5.28
2	SAB	Tetrachloro-m-xylene	0.921	0.722	21.6#	67	0.00	6.16-	6.22
3		Hexachlorobenzene		----------NA----------					
4	A	alpha-BHC		----------NA----------					
		---------- True Calc. % Drift ----------							
5	MA	gamma-BHC		----------NA----------					
6	MA	Heptachlor		----------NA----------					
		---------- AvgRF CCRF % Dev ----------							
7	B	beta-BHC		----------NA----------					
8	B	delta-BHC		----------NA----------					
		---------- True Calc. % Drift ----------							
9	MB	Aldrin		----------NA----------					
10		Alachlor		----------NA----------					
11	B	Heptachlor Epoxide		----------NA----------					
		---------- AvgRF CCRF % Dev ----------							
12	B	gamma-Chlordane		----------NA----------					
13	B	alpha-Chlordane		----------NA----------					
		---------- True Calc. % Drift ----------							
14	A	Endosulfan I		----------NA----------					
		---------- AvgRF CCRF % Dev ----------							
15	B	4,4'-DDE		----------NA----------					
		---------- True Calc. % Drift ----------							
16	MA	Dieldrin		----------NA----------					
17	MA	Endrin		----------NA----------					
		---------- AvgRF CCRF % Dev ----------							
18	A	4,4'-DDD		----------NA----------					
		---------- True Calc. % Drift ----------							
19	B	Endosulfan II		----------NA----------					
		---------- AvgRF CCRF % Dev ----------							
20	MA	4,4'-DDT		----------NA----------					
		---------- True Calc. % Drift ----------							
21	B	Endrin Aldehyde		----------NA----------					
22	B	Endosulfan Sulfate		----------NA----------					
23	A	Methoxychlor		----------NA----------					
		---------- AvgRF CCRF % Dev ----------							
24		Mirex		----------NA----------					
25	B	Endrin Ketone		----------NA----------					
26	SA	Decachlorobiphenyl	0.935	0.902	3.5	102	0.00	14.83-	14.89
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	100	0.00	5.15-	5.35
28	L8	Toxaphene{A}		----------NA----------					
29	L8	Toxaphene{B}		----------NA----------					
30	L8	Toxaphene{C}		----------NA----------					
31	L8	Toxaphene{D}		----------NA----------					
32	L8	Toxaphene{E}		----------NA----------					

Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G6G3879-ICV3879
Lab FileID: 6G103154.D

33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	99	0.00	5.15- 5.35
34		Chlordane {A}	0.071	0.070	1.4	99	0.00	7.94- 8.14
35		Chlordane {B}	0.035	0.036	-2.9	99	0.00	8.63- 8.83
36		Chlordane {C}	0.110	0.110	0.0	99	0.00	9.60- 9.80
37		Chlordane {D}	0.185	0.175	5.4	94	0.00	9.84-10.04
38		Chlordane {E}	0.030	0.033	-10.0	107	0.00	11.37-11.57

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6g103148.d 6PSTLVI3879a.M Sun Dec 08 21:52:22 2024

Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G6G3879-ICV3879
Lab FileID: 6G103155.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\G6...9\6g103155.d\ECD1A.CH Vial: 0
Signal #2 : C:\msdchem\1\data\G6G3879\6g103155.d\ECD2B.CH
Acq On : 06 Dec 2024 16:45 pm Operator: rebeccak
Sample : icv3879-50 Inst : GC6G
Misc : op59754,g6g3879,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\methods\6PSTLVI3879a.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Sun Dec 08 21:21:56 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	105	0.00	4.82- 4.88
2	SAB	Tetrachloro-m-xylene	1.064	1.073	-0.8	105	0.00	5.49- 5.55
3		Hexachlorobenzene		----------NA----------				
4	A	alpha-BHC		----------NA----------				
5	MA	gamma-BHC		----------NA----------				
6	MA	Heptachlor		----------NA----------				
7	B	beta-BHC		----------NA----------				
8	B	delta-BHC		----------NA----------				
9	MB	Aldrin		----------NA----------				
10		Alachlor		----------NA----------				
11	B	Heptachlor Epoxide		----------NA----------				
12	B	gamma-Chlordane		----------NA----------				
13	B	alpha-Chlordane		----------NA----------				
14	A	Endosulfan I		----------NA----------				
15	B	4,4'-DDE		----------NA----------				
16	MA	Dieldrin		----------NA----------				
17	MA	Endrin		----------NA----------				
18	A	4,4'-DDD		----------NA----------				
19	B	Endosulfan II		----------NA----------				
20	MA	4,4'-DDT		----------NA----------				
21	B	Endrin Aldehyde		----------NA----------				
22	B	Endosulfan Sulfate		----------NA----------				
23	A	Methoxychlor		----------NA----------				
24		Mirex		----------NA----------				
25	B	Endrin Ketone		----------NA----------				
26	SA	Decachlorobiphenyl	0.851	0.888	-4.3	105	0.00	12.94-13.00
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	101	0.00	4.75- 4.95
28	L8	Toxaphene{A}	0.007	0.007	0.0	107	-0.03	8.14- 8.34
29	L8	Toxaphene{B}	0.009	0.008	11.1	85	0.00	8.82- 9.02
30	L8	Toxaphene{C}	0.019	0.017	10.5	96	0.00	9.51- 9.71
31	L8	Toxaphene{D}	0.027	0.024	11.1	92	0.00	10.34-10.54
32	L8	Toxaphene{E}	0.032	0.026	18.8	82	0.00	10.50-10.70
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	104	0.00	4.75- 4.95
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				

Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G6G3879-ICV3879
Lab FileID: 6G103155.D

***** Signal #2 *****

1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	104	0.00	5.21- 5.27
2	SAB	Tetrachloro-m-xylene	0.921	0.829	10.0	77	0.00	6.15- 6.21
3		Hexachlorobenzene		----------NA----------				
4	A	alpha-BHC		----------NA----------				
		---------- True Calc. % Drift ----------						
5	MA	gamma-BHC		----------NA----------				
6	MA	Heptachlor		----------NA----------				
		---------- AvgRF CCRF % Dev ----------						
7	B	beta-BHC		----------NA----------				
8	B	delta-BHC		----------NA----------				
		---------- True Calc. % Drift ----------						
9	MB	Aldrin		----------NA----------				
10		Alachlor		----------NA----------				
11	B	Heptachlor Epoxide		----------NA----------				
		---------- AvgRF CCRF % Dev ----------						
12	B	gamma-Chlordane		----------NA----------				
13	B	alpha-Chlordane		----------NA----------				
		---------- True Calc. % Drift ----------						
14	A	Endosulfan I		----------NA----------				
		---------- AvgRF CCRF % Dev ----------						
15	B	4,4'-DDE		----------NA----------				
		---------- True Calc. % Drift ----------						
16	MA	Dieldrin		----------NA----------				
17	MA	Endrin		----------NA----------				
		---------- AvgRF CCRF % Dev ----------						
18	A	4,4'-DDD		----------NA----------				
		---------- True Calc. % Drift ----------						
19	B	Endosulfan II		----------NA----------				
		---------- AvgRF CCRF % Dev ----------						
20	MA	4,4'-DDT		----------NA----------				
		---------- True Calc. % Drift ----------						
21	B	Endrin Aldehyde		----------NA----------				
22	B	Endosulfan Sulfate		----------NA----------				
23	A	Methoxychlor		----------NA----------				
		---------- AvgRF CCRF % Dev ----------						
24		Mirex		----------NA----------				
25	B	Endrin Ketone		----------NA----------				
26	SA	Decachlorobiphenyl	0.935	0.927	0.9	105	0.00	14.84-14.90
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	100	0.00	5.14- 5.34
28	L8	Toxaphene{A}	0.010	0.011	-10.0	111	0.00	10.36-10.56
29	L8	Toxaphene{B}	0.012	0.012	0.0	96	0.00	11.57-11.77
30	L8	Toxaphene{C}	0.009	0.010	-11.1	119	0.00	11.75-11.95
31	L8	Toxaphene{D}	0.020	0.018	10.0	91	0.00	11.87-12.07
32	L8	Toxaphene{E}	0.027	0.022	18.5	83	0.00	12.80-13.00

Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G6G3879-ICV3879
Lab FileID: 6G103155.D

33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	99	0.00	5.14- 5.34
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6g103148.d 6PSTLVI3879a.M Sun Dec 08 21:52:35 2024

Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G6G3879-ICV3879
Lab FileID: 6G103161.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\G6...9\6g103161.d\ECD1A.CH Vial: 0
Signal #2 : C:\msdchem\1\data\G6G3879\6g103161.d\ECD2B.CH
Acq On : 07 Dec 2024 6:39 am Operator: rebeccak
Sample : icv3879-2.5 Inst : GC6G
Misc : op59754,g6g3879,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\methods\6PSTLVI3879a.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Sun Dec 08 21:21:56 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	101	-0.01	4.80- 4.86
2	SAB	Tetrachloro-m-xylene	1.064	1.091	-2.5	102	0.00	5.48- 5.54
3		Hexachlorobenzene	1.779	1.771	0.4	103	-0.01	5.83- 5.89
4	A	alpha-BHC	1.789	1.847	-3.2	103	-0.01	5.99- 6.05
5	MA	gamma-BHC	1.571	1.618	-3.0	106	-0.01	6.30- 6.36
6	MA	Heptachlor	1.511	1.549	-2.5	100	-0.01	6.81- 6.87
7	B	beta-BHC	0.668	0.627	6.1	102	-0.02	6.38- 6.44
8	B	delta-BHC	1.525	1.370	10.2	98	-0.02	6.57- 6.63
9	MB	Aldrin	1.479	1.482	-0.2	99	-0.01	7.16- 7.22
10		Alachlor	0.158	0.157	0.6	97	-0.02	7.32- 7.38
11	B	Heptachlor Epoxide	1.057	0.900	14.9	102	-0.02	7.89- 7.95
12	B	gamma-Chlordane	1.395	1.355	2.9	96	-0.02	8.05- 8.11
13	B	alpha-Chlordane	1.322	1.342	-1.5	101	-0.02	8.23- 8.29
14	A	Endosulfan I	1.263	1.229	2.7	101	-0.02	8.41- 8.47
15	B	4,4'-DDE	1.262	1.299	-2.9	100	-0.02	8.34- 8.40
16	MA	Dieldrin	1.377	1.338	2.8	102	-0.02	8.74- 8.80
17	MA	Endrin	1.236	1.240	-0.3	97	-0.02	9.06- 9.12
18	A	4,4'-DDD	1.036	1.049	-1.3	102	-0.03	9.18- 9.25
19	B	Endosulfan II	1.137	1.170	-2.9	104	-0.02	9.39- 9.45
20	MA	4,4'-DDT	1.102	1.232	-11.8	104	-0.02	9.60- 9.66
21	B	Endrin Aldehyde	0.921	0.903	2.0	102	-0.02	10.02-10.08
22	B	Endosulfan Sulfate	0.978	0.989	-1.1	100	-0.02	10.71-10.77
23	A	Methoxychlor	0.561	0.590	-5.2	105	-0.02	10.38-10.44
24		Mirex	0.835	0.825	1.2	102	-0.02	10.54-10.60
25	B	Endrin Ketone	1.094	1.026	6.2	101	-0.02	11.15-11.21
26	SA	Decachlorobiphenyl	0.851	0.773	9.2	98	-0.02	12.92-12.98
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	0#	-0.01	4.73- 4.93
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	0#	-0.01	4.73- 4.93
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				

Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G6G3879-ICV3879
Lab FileID: 6G103161.D

***** Signal #2 *****

1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	101	-0.01	5.20- 5.26
2	SAB	Tetrachloro-m-xylene	0.921	0.845	8.3	114	-0.01	6.14- 6.20
3		Hexachlorobenzene	1.573	1.394	11.4	99	-0.02	6.71- 6.77
4	A	alpha-BHC	2.016	1.837	8.9	100	-0.02	6.88- 6.94
			True	Calc.	% Drift			
5	MA	gamma-BHC	2.500	2.137	14.5	98	-0.02	7.35- 7.41
6	MA	Heptachlor	2.500	2.422	3.1	98	-0.02	7.99- 8.05
			AvgRF	CCRF	% Dev			
7	B	beta-BHC	0.711	0.606	14.8	96	-0.02	7.44- 7.50
8	B	delta-BHC	1.502	1.262	16.0	97	-0.02	7.88- 7.94
			True	Calc.	% Drift			
9	MB	Aldrin	2.500	2.354	5.8	98	-0.02	8.48- 8.54
10		Alachlor	2.500	2.519	-0.8	97	-0.02	8.25- 8.31
11	B	Heptachlor Epoxide	2.500	2.360	5.6	98	-0.03	9.35- 9.41
			AvgRF	CCRF	% Dev			
12	B	gamma-Chlordane	1.071	1.039	3.0	106	-0.03	9.65- 9.71
13	B	alpha-Chlordane	1.086	1.034	4.8	100	-0.03	9.88- 9.94
			True	Calc.	% Drift			
14	A	Endosulfan I	2.500	2.440	2.4	101	-0.03	9.99-10.05
			AvgRF	CCRF	% Dev			
15	B	4,4'-DDE	1.033	0.942	8.8	101	-0.03	10.14-10.20
			True	Calc.	% Drift			
16	MA	Dieldrin	2.500	2.550	-2.0	101	-0.03	10.45-10.51
17	MA	Endrin	2.500	2.597	-3.9	100	-0.03	10.97-11.03
			AvgRF	CCRF	% Dev			
18	A	4,4'-DDD	0.847	0.804	5.1	103	-0.03	11.13-11.19
			True	Calc.	% Drift			
19	B	Endosulfan II	2.500	2.566	-2.6	101	-0.03	11.33-11.39
			AvgRF	CCRF	% Dev			
20	MA	4,4'-DDT	0.868	0.869	-0.1	104	-0.03	11.68-11.74
			True	Calc.	% Drift			
21	B	Endrin Aldehyde	2.500	2.790	-11.6	104	-0.03	11.92-11.98
22	B	Endosulfan Sulfate	2.500	2.677	-7.1	104	-0.03	12.40-12.46
23	A	Methoxychlor	2.500	2.720	-8.8	109	-0.02	12.92-12.98
			AvgRF	CCRF	% Dev			
24		Mirex	0.777	0.772	0.6	105	-0.02	13.26-13.32
25	B	Endrin Ketone	1.086	1.103	-1.6	105	-0.02	13.31-13.37
26	SA	Decachlorobiphenyl	0.935	0.973	-4.1	104	-0.02	14.82-14.88
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	101	-0.01	5.13- 5.33
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				

Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G6G3879-ICV3879
Lab FileID: 6G103161.D

33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	101	-0.01	5.13-	5.33
34		Chlordane {A}	----------NA----------						
35		Chlordane {B}	----------NA----------						
36		Chlordane {C}	----------NA----------						
37		Chlordane {D}	----------NA----------						
38		Chlordane {E}	----------NA----------						

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6g103146.d 6PSTLVI3879a.M Sun Dec 08 21:44:44 2024

Continuing Calibration Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G6G3881-CC3879
Lab FileID: 6G103196.D

Evaluate Continuing Calibration Report

Signal #1 : X:\Dayton SVOA GC\8....1\6g103196.d\ECD1A.CH Vial: 0
Signal #2 : X:\Dayton SVOA GC\8. GC ...G3881\6g103196.d\ECD2B.CH
Acq On : 09-Dec-24, 18:23:34 Operator: mahalial
Sample : cc3879-5 Inst : GC6G
Misc : op59754,g6g3881,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : X:\Dayton SVOA G...1\6PSTLVI3879a.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Tue Dec 10 13:28:54 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	110	0.00	4.81- 4.87
2	SAB	Tetrachloro-m-xylene	1.064	1.099	-3.3	113	0.00	5.48- 5.54
3		Hexachlorobenzene	1.779	1.797	-1.0	113	0.00	5.84- 5.90
4	A	alpha-BHC	1.789	1.912	-6.9	113	0.00	5.99- 6.05
5	MA	gamma-BHC	1.571	1.655	-5.3	114	0.00	6.30- 6.36
6	MA	Heptachlor	1.511	1.601	-6.0	116	0.00	6.81- 6.87
7	B	beta-BHC	0.668	0.686	-2.7	113	0.00	6.38- 6.44
8	B	delta-BHC	1.525	1.671	-9.6	115	0.00	6.58- 6.64
9	MB	Aldrin	1.479	1.528	-3.3	113	0.00	7.16- 7.22
10		Alachlor	0.158	0.150	5.1	108	0.00	7.32- 7.38
11	B	Heptachlor Epoxide	1.057	1.247	-18.0	106	0.00	7.89- 7.95
12	B	gamma-Chlordane	1.395	1.307	6.3	106	0.00	8.06- 8.12
13	B	alpha-Chlordane	1.322	1.266	4.2	106	0.00	8.23- 8.29
14	A	Endosulfan I	1.263	1.193	5.5	106	0.00	8.41- 8.47
15	B	4,4'-DDE	1.262	1.251	0.9	108	0.00	8.34- 8.40
16	MA	Dieldrin	1.377	1.299	5.7	106	0.00	8.74- 8.80
17	MA	Endrin	1.236	1.184	4.2	106	0.00	9.07- 9.13
18	A	4,4'-DDD	1.036	1.035	0.1	108	0.00	9.18- 9.25
19	B	Endosulfan II	1.137	1.089	4.2	106	0.00	9.39- 9.45
20	MA	4,4'-DDT	1.102	1.103	-0.1	108	0.00	9.61- 9.67
21	B	Endrin Aldehyde	0.921	0.807	12.4	107	0.00	10.02-10.08
22	B	Endosulfan Sulfate	0.978	0.922	5.7	104	0.00	10.72-10.78
23	A	Methoxychlor	0.561	0.554	1.2	109	0.00	10.39-10.45
24		Mirex	0.835	0.768	8.0	104	0.00	10.55-10.61
25	B	Endrin Ketone	1.094	1.058	3.3	106	0.00	11.15-11.21
26	SA	Decachlorobiphenyl	0.851	0.786	7.6	98	0.00	12.92-12.98
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	106	0.00	4.74- 4.94
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	110	0.00	4.74- 4.94
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				

Continuing Calibration Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G6G3881-CC3879
Lab FileID: 6G103196.D

***** Signal #2 *****

1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	102	0.00	5.21- 5.27
2	SAB	Tetrachloro-m-xylene	0.921	1.094	-18.8	100	0.00	6.15- 6.21
3		Hexachlorobenzene	1.573	1.413	10.2	104	0.00	6.72- 6.78
4	A	alpha-BHC	2.016	1.848	8.3	104	0.00	6.90- 6.96
		----------	Amount	Calc.	%Drift	----------		
5	MA	gamma-BHC	5.000	5.223	-4.5	103	0.00	7.37- 7.43
6	MA	Heptachlor	5.000	4.962	0.8	100	0.00	8.00- 8.06
		----------	AvgRF	CCRF	%Dev	----------		
7	B	beta-BHC	0.711	0.629	11.5	103	0.00	7.46- 7.52
8	B	delta-BHC	1.502	1.423	5.3	105	0.00	7.89- 7.95
		----------	Amount	Calc.	%Drift	----------		
9	MB	Aldrin	5.000	5.128	-2.6	103	0.00	8.49- 8.55
10		Alachlor	5.000	4.771	4.6	97	0.00	8.27- 8.33
11	B	Heptachlor Epoxide	5.000	5.036	-0.7	101	0.00	9.37- 9.43
		----------	AvgRF	CCRF	%Dev	----------		
12	B	gamma-Chlordane	1.071	0.903	15.7	98	0.00	9.67- 9.73
13	B	alpha-Chlordane	1.086	0.888	18.2	100	0.00	9.90- 9.96
		----------	Amount	Calc.	%Drift	----------		
14	A	Endosulfan I	5.000	4.970	0.6	100	0.00	10.01-10.07
		----------	AvgRF	CCRF	%Dev	----------		
15	B	4,4'-DDE	1.033	0.884	14.4	99	0.00	10.16-10.22
		----------	Amount	Calc.	%Drift	----------		
16	MA	Dieldrin	5.000	4.899	2.0	99	0.00	10.47-10.53
17	MA	Endrin	5.000	4.848	3.0	98	0.00	10.99-11.05
		----------	AvgRF	CCRF	%Dev	----------		
18	A	4,4'-DDD	0.847	0.732	13.6	100	0.00	11.15-11.21
		----------	Amount	Calc.	%Drift	----------		
19	B	Endosulfan II	5.000	4.729	5.4	95	0.00	11.35-11.41
		----------	AvgRF	CCRF	%Dev	----------		
20	MA	4,4'-DDT	0.868	0.736	15.2	95	0.00	11.70-11.76
		----------	Amount	Calc.	%Drift	----------		
21	B	Endrin Aldehyde	5.000	4.836	3.3	99	0.00	11.94-12.00
22	B	Endosulfan Sulfate	5.000	4.698	6.0	95	0.00	12.42-12.48
23	A	Methoxychlor	5.000	4.458	10.8	91	0.00	12.94-13.00
		----------	AvgRF	CCRF	%Dev	----------		
24		Mirex	0.777	0.594	23.6#	86	0.00	13.28-13.34
25	B	Endrin Ketone	1.086	0.870	19.9	89	0.00	13.33-13.39
26	SA	Decachlorobiphenyl	0.935	0.520	44.4#	58	0.00	14.83-14.89
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	98	0.00	5.14- 5.34
28	L8	Toxaphene{A}	----------NA----------					
29	L8	Toxaphene{B}	----------NA----------					
30	L8	Toxaphene{C}	----------NA----------					
31	L8	Toxaphene{D}	----------NA----------					
32	L8	Toxaphene{E}	----------NA----------					

Continuing Calibration Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G6G3881-CC3879
Lab FileID: 6G103196.D

33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	97	0.00	5.14- 5.34
34		Chlordane {A}	----------NA----------					
35		Chlordane {B}	----------NA----------					
36		Chlordane {C}	----------NA----------					
37		Chlordane {D}	----------NA----------					
38		Chlordane {E}	----------NA----------					

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6g103196.d 6PSTLVI3879a.M Tue Dec 10 13:30:15 2024

Continuing Calibration Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G6G3882-CC3879
Lab FileID: 6G103213.D

Evaluate Continuing Calibration Report

Signal #1 : X:\Dayton SVOA GC\8....2\6g103213.d\ECD1A.CH Vial: 0
Signal #2 : X:\Dayton SVOA GC\8. GC ...g3882\6g103213.d\ECD2B.CH
Acq On : 10-Dec-24, 02:17:06 Operator: rebeccak
Sample : cc3879-2.5 Inst : GC6G
Misc : op59854,g6g3882,5.5,,,10,5 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : X:\Dayton SVOA G...2\6PSTLVI3879a.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Tue Dec 10 13:28:54 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	105	0.00	4.81- 4.87
2	SAB	Tetrachloro-m-xylene	1.064	1.096	-3.0	106	0.00	5.48- 5.54
3		Hexachlorobenzene	1.779	1.779	0.0	107	0.00	5.84- 5.90
4	A	alpha-BHC	1.789	1.886	-5.4	109	0.00	5.99- 6.05
5	MA	gamma-BHC	1.571	1.590	-1.2	107	0.00	6.30- 6.36
6	MA	Heptachlor	1.511	1.563	-3.4	104	0.00	6.81- 6.87
7	B	beta-BHC	0.668	0.646	3.3	109	0.00	6.38- 6.44
8	B	delta-BHC	1.525	1.412	7.4	104	0.00	6.58- 6.64
9	MB	Aldrin	1.479	1.503	-1.6	104	0.00	7.16- 7.22
10		Alachlor	0.158	0.152	3.8	97	0.00	7.32- 7.38
11	B	Heptachlor Epoxide	1.057	0.881	16.7	103	0.00	7.89- 7.95
12	B	gamma-Chlordane	1.395	1.340	3.9	98	0.00	8.06- 8.12
13	B	alpha-Chlordane	1.322	1.267	4.2	99	-0.01	8.23- 8.29
14	A	Endosulfan I	1.263	1.211	4.1	103	-0.01	8.41- 8.47
15	B	4,4'-DDE	1.262	1.261	0.1	100	0.00	8.34- 8.40
16	MA	Dieldrin	1.377	1.296	5.9	102	0.00	8.74- 8.80
17	MA	Endrin	1.236	1.168	5.5	95	0.00	9.07- 9.13
18	A	4,4'-DDD	1.036	1.030	0.6	104	-0.01	9.18- 9.25
19	B	Endosulfan II	1.137	1.102	3.1	102	0.00	9.39- 9.45
20	MA	4,4'-DDT	1.102	1.087	1.4	95	-0.01	9.61- 9.67
21	B	Endrin Aldehyde	0.921	0.875	5.0	102	0.00	10.02-10.08
22	B	Endosulfan Sulfate	0.978	0.906	7.4	95	-0.01	10.72-10.78
23	A	Methoxychlor	0.561	0.570	-1.6	105	-0.01	10.39-10.45
24		Mirex	0.835	0.765	8.4	98	-0.01	10.55-10.61
25	B	Endrin Ketone	1.094	0.941	14.0	96	0.00	11.15-11.21
26	SA	Decachlorobiphenyl	0.851	0.712	16.3	94	0.00	12.92-12.98
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	0#	0.00	4.74- 4.94
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	0#	0.00	4.74- 4.94
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				

Continuing Calibration Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G6G3882-CC3879
Lab FileID: 6G103213.D

***** Signal #2 *****

1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	96	0.00	5.21- 5.27
2	SAB	Tetrachloro-m-xylene	0.921	0.868	5.8	112	0.00	6.15- 6.21
3		Hexachlorobenzene	1.573	1.406	10.6	95	0.00	6.72- 6.78
4	A	alpha-BHC	2.016	1.819	9.8	95	0.00	6.90- 6.96
		----------	Amount	Calc.	%Drift	----------		
5	MA	gamma-BHC	2.500	2.050	18.0	90	0.00	7.37- 7.43
6	MA	Heptachlor	2.500	2.392	4.3	92	0.00	8.00- 8.06
		----------	AvgRF	CCRF	%Dev	----------		
7	B	beta-BHC	0.711	0.598	15.9	90	0.00	7.46- 7.52
8	B	delta-BHC	1.502	1.280	14.8	94	0.00	7.89- 7.95
		----------	Amount	Calc.	%Drift	----------		
9	MB	Aldrin	2.500	2.387	4.5	94	0.00	8.49- 8.55
10		Alachlor	2.500	2.611	-4.4	96	0.00	8.27- 8.33
11	B	Heptachlor Epoxide	2.500	2.275	9.0	91	0.00	9.37- 9.43
		----------	AvgRF	CCRF	%Dev	----------		
12	B	gamma-Chlordane	1.071	0.897	16.2	87	0.00	9.67- 9.73
13	B	alpha-Chlordane	1.086	0.871	19.8	81	0.00	9.90- 9.96
		----------	Amount	Calc.	%Drift	----------		
14	A	Endosulfan I	2.500	2.244	10.2	89	0.00	10.01-10.07
		----------	AvgRF	CCRF	%Dev	----------		
15	B	4,4'-DDE	1.033	0.847	18.0	87	0.00	10.16-10.22
		----------	Amount	Calc.	%Drift	----------		
16	MA	Dieldrin	2.500	2.274	9.0	86	0.00	10.47-10.53
17	MA	Endrin	2.500	2.214	11.4	82	0.00	10.99-11.05
		----------	AvgRF	CCRF	%Dev	----------		
18	A	4,4'-DDD	0.847	0.718	15.2	88	0.00	11.15-11.21
		----------	Amount	Calc.	%Drift	----------		
19	B	Endosulfan II	2.500	2.139	14.4	81	0.00	11.35-11.41
		----------	AvgRF	CCRF	%Dev	----------		
20	MA	4,4'-DDT	0.868	0.727	16.2	83	0.00	11.70-11.76
		----------	Amount	Calc.	%Drift	----------		
21	B	Endrin Aldehyde	2.500	2.431	2.8	88	0.00	11.94-12.00
22	B	Endosulfan Sulfate	2.500	2.217	11.3	83	0.00	12.42-12.48
23	A	Methoxychlor	2.500	2.132	14.7	83	0.00	12.94-13.00
		----------	AvgRF	CCRF	%Dev	----------		
24		Mirex	0.777	0.522	32.8#	68	0.00	13.28-13.34
25	B	Endrin Ketone	1.086	0.777	28.5#	70	0.00	13.33-13.39
26	SA	Decachlorobiphenyl	0.935	0.468	49.9#	48#	0.00	14.83-14.89
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	96	0.00	5.14- 5.34
28	L8	Toxaphene{A}	----------NA----------					
29	L8	Toxaphene{B}	----------NA----------					
30	L8	Toxaphene{C}	----------NA----------					
31	L8	Toxaphene{D}	----------NA----------					
32	L8	Toxaphene{E}	----------NA----------					

Continuing Calibration Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G6G3882-CC3879
Lab FileID: 6G103213.D

33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	96	0.00	5.14- 5.34
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6g103146.d 6PSTLVI3879a.M Tue Dec 10 20:50:53 2024

10.9.12
10

Continuing Calibration Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G6G3884-CC3879
Lab FileID: 6G103255.D

Evaluate Continuing Calibration Report

Signal #1 : X:\Dayton SVOA GC\8....4\6g103255.d\ECD1A.CH Vial: 0
Signal #2 : X:\Dayton SVOA GC\8. GC ...G3884\6g103255.d\ECD2B.CH
Acq On : 11-Dec-24, 02:49:15 Operator: rebeccak
Sample : cc3879-2.5 Inst : GC6G
Misc : op59985,g6g3884,53.4,,,2,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : X:\Dayton SVOA G...4\6PSTLVI3879a.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Tue Dec 10 13:28:54 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	109	0.00	4.81- 4.87
2	SAB	Tetrachloro-m-xylene	1.064	1.111	-4.4	112	0.00	5.48- 5.54
3		Hexachlorobenzene	1.779	1.881	-5.7	118	0.00	5.83- 5.89
4	A	alpha-BHC	1.789	1.990	-11.2	120	0.00	5.99- 6.05
5	MA	gamma-BHC	1.571	1.678	-6.8	118	0.00	6.30- 6.36
6	MA	Heptachlor	1.511	1.760	-16.5	123	0.00	6.81- 6.87
7	B	beta-BHC	0.668	0.683	-2.2	120	0.00	6.38- 6.44
8	B	delta-BHC	1.525	1.494	2.0	115	0.00	6.57- 6.63
9	MB	Aldrin	1.479	1.613	-9.1	117	0.00	7.15- 7.21
10		Alachlor	0.158	0.165	-4.4	110	0.00	7.31- 7.37
11	B	Heptachlor Epoxide	1.057	0.928	12.2	114	0.00	7.89- 7.95
12	B	gamma-Chlordane	1.395	1.546	-10.8	118	0.00	8.05- 8.11
13	B	alpha-Chlordane	1.322	1.500	-13.5	122	0.00	8.22- 8.28
14	A	Endosulfan I	1.263	1.403	-11.1	125	0.00	8.41- 8.47
15	B	4,4'-DDE	1.262	1.493	-18.3	124	0.00	8.34- 8.40
16	MA	Dieldrin	1.377	1.499	-8.9	124	0.00	8.73- 8.79
17	MA	Endrin	1.236	1.408	-13.9	120	0.00	9.06- 9.12
18	A	4,4'-DDD	1.036	1.189	-14.8	126	0.00	9.17- 9.24
19	B	Endosulfan II	1.137	1.273	-12.0	123	0.00	9.39- 9.45
20	MA	4,4'-DDT	1.102	1.320	-19.8	120	0.00	9.60- 9.66
21	B	Endrin Aldehyde	0.921	1.011	-9.8	124	0.00	10.02-10.08
22	B	Endosulfan Sulfate	0.978	1.107	-13.2	121	0.00	10.71-10.77
23	A	Methoxychlor	0.561	0.653	-16.4	125	0.00	10.38-10.44
24		Mirex	0.835	0.922	-10.4	123	0.00	10.54-10.60
25	B	Endrin Ketone	1.094	1.098	-0.4	117	0.00	11.15-11.21
26	SA	Decachlorobiphenyl	0.851	0.811	4.7	112	0.00	12.92-12.98
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	0#	0.00	4.74- 4.94
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	0#	0.00	4.74- 4.94
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				

10.9.13 10

Continuing Calibration Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G6G3884-CC3879
Lab FileID: 6G103255.D

***** Signal #2 *****

1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	102	0.00	5.21- 5.27
2	SAB	Tetrachloro-m-xylene	0.921	0.857	6.9	117	0.00	6.15- 6.21
3		Hexachlorobenzene	1.573	1.426	9.3	102	0.00	6.72- 6.78
4	A	alpha-BHC	2.016	1.801	10.7	99	0.00	6.89- 6.95
			True	Calc.	% Drift			
5	MA	gamma-BHC	2.500	2.072	17.1	96	0.00	7.37- 7.43
6	MA	Heptachlor	2.500	2.514	-0.6	102	0.00	8.00- 8.06
			AvgRF	CCRF	% Dev			
7	B	beta-BHC	0.711	0.602	15.3	96	0.00	7.46- 7.52
8	B	delta-BHC	1.502	1.300	13.4	101	0.00	7.89- 7.95
			True	Calc.	% Drift			
9	MB	Aldrin	2.500	2.435	2.6	102	0.00	8.49- 8.55
10		Alachlor	2.500	2.888	-15.5	110	0.00	8.27- 8.33
11	B	Heptachlor Epoxide	2.500	2.444	2.2	103	0.00	9.37- 9.43
			AvgRF	CCRF	% Dev			
12	B	gamma-Chlordane	1.071	1.001	6.5	103	0.00	9.67- 9.73
13	B	alpha-Chlordane	1.086	0.988	9.0	97	0.00	9.90- 9.96
			True	Calc.	% Drift			
14	A	Endosulfan I	2.500	2.419	3.2	101	0.00	10.01-10.07
			AvgRF	CCRF	% Dev			
15	B	4,4'-DDE	1.033	0.978	5.3	106	0.00	10.16-10.22
			True	Calc.	% Drift			
16	MA	Dieldrin	2.500	2.675	-7.0	106	0.00	10.47-10.53
17	MA	Endrin	2.500	2.717	-8.7	105	0.00	11.00-11.06
			AvgRF	CCRF	% Dev			
18	A	4,4'-DDD	0.847	0.852	-0.6	110	0.00	11.15-11.21
			True	Calc.	% Drift			
19	B	Endosulfan II	2.500	2.558	-2.3	102	0.00	11.35-11.41
			AvgRF	CCRF	% Dev			
20	MA	4,4'-DDT	0.868	0.916	-5.5	110	0.00	11.70-11.76
			True	Calc.	% Drift			
21	B	Endrin Aldehyde	2.500	2.969	-18.8	111	0.00	11.94-12.00
22	B	Endosulfan Sulfate	2.500	2.838	-13.5	111	0.00	12.43-12.49
23	A	Methoxychlor	2.500	2.920	-16.8	118	0.00	12.94-13.00
			AvgRF	CCRF	% Dev			
24		Mirex	0.777	0.759	2.3	104	0.00	13.28-13.34
25	B	Endrin Ketone	1.086	1.100	-1.3	106	0.00	13.33-13.39
26	SA	Decachlorobiphenyl	0.935	0.824	11.9	89	0.00	14.83-14.89
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	102	0.00	5.14- 5.34
28	L8	Toxaphene{A}	----------NA----------					
29	L8	Toxaphene{B}	----------NA----------					
30	L8	Toxaphene{C}	----------NA----------					
31	L8	Toxaphene{D}	----------NA----------					
32	L8	Toxaphene{E}	----------NA----------					

Continuing Calibration Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G6G3884-CC3879
Lab FileID: 6G103255.D

33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	102	0.00	5.14-	5.34
34		Chlordane {A}	----------NA----------						
35		Chlordane {B}	----------NA----------						
36		Chlordane {C}	----------NA----------						
37		Chlordane {D}	----------NA----------						
38		Chlordane {E}	----------NA----------						

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6g103146.d 6PSTLVI3879a.M Wed Dec 11 15:44:08 2024

10.9.13 10

Continuing Calibration Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G6G3885-CC3879
Lab FileID: 6G103291A.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\la...\6g103291a.d\ECD1A.CH Vial: 0
Signal #2 : C:\msdchem\1\data\laylan...3885\6g103291a.d\ECD2B.CH
Acq On : 11-Dec-24, 18:05:03 Operator: mahalial
Sample : cc3879-2.5 Inst : GC6G
Misc : op59856,g6g3885,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\dat...5\6PSTLVI3879a.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Thu Dec 12 02:21:03 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	114	0.00	4.81- 4.87
2	SAB	Tetrachloro-m-xylene	1.064	1.104	-3.8	116	0.00	5.48- 5.54
3		Hexachlorobenzene	1.779	1.826	-2.6	120	0.00	5.83- 5.89
4	A	alpha-BHC	1.789	1.960	-9.6	123	0.00	5.99- 6.05
5	MA	gamma-BHC	1.571	1.638	-4.3	121	0.00	6.30- 6.36
6	MA	Heptachlor	1.511	1.662	-10.0	121	0.00	6.81- 6.87
7	B	beta-BHC	0.668	0.630	5.7	116	0.00	6.38- 6.44
8	B	delta-BHC	1.525	1.415	7.2	114	0.00	6.57- 6.63
9	MB	Aldrin	1.479	1.615	-9.2	122	0.00	7.15- 7.21
10		Alachlor	0.158	0.159	-0.6	111	0.00	7.31- 7.37
11	B	Heptachlor Epoxide	1.057	0.872	17.5	111	0.00	7.89- 7.95
12	B	gamma-Chlordane	1.395	1.473	-5.6	117	0.00	8.05- 8.11
13	B	alpha-Chlordane	1.322	1.426	-7.9	121	0.00	8.22- 8.28
14	A	Endosulfan I	1.263	1.347	-6.7	125	0.00	8.40- 8.46
15	B	4,4'-DDE	1.262	1.424	-12.8	124	0.00	8.33- 8.39
16	MA	Dieldrin	1.377	1.458	-5.9	126	0.00	8.73- 8.79
17	MA	Endrin	1.236	1.374	-11.2	122	0.00	9.06- 9.12
18	A	4,4'-DDD	1.036	1.208	-16.6	133	0.00	9.17- 9.24
19	B	Endosulfan II	1.137	1.271	-11.8	128	0.00	9.38- 9.44
20	MA	4,4'-DDT	1.102	1.345	-22.1#	128	0.00	9.60- 9.66
21	B	Endrin Aldehyde	0.921	1.015	-10.2	130	0.00	10.02-10.08
22	B	Endosulfan Sulfate	0.978	1.119	-14.4	128	0.00	10.71-10.77
23	A	Methoxychlor	0.561	0.672	-19.8	135	0.00	10.38-10.44
24		Mirex	0.835	0.944	-13.1	132	0.00	10.54-10.60
25	B	Endrin Ketone	1.094	1.113	-1.7	124	0.00	11.14-11.20
26	SA	Decachlorobiphenyl	0.851	0.827	2.8	119	0.00	12.92-12.98
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	0#	0.00	4.74- 4.94
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	0#	0.00	4.74- 4.94
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				

Continuing Calibration Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G6G3885-CC3879
Lab FileID: 6G103291A.D

***** Signal #2 *****

1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	107	0.00	5.21- 5.27
2	SAB	Tetrachloro-m-xylene	0.921	0.853	7.4	122	0.00	6.15- 6.21
3		Hexachlorobenzene	1.573	1.413	10.2	106	0.00	6.72- 6.78
4	A	alpha-BHC	2.016	1.767	12.4	102	0.00	6.89- 6.95
			True	Calc.	% Drift			
5	MA	gamma-BHC	2.500	2.002	19.9	97	0.00	7.37- 7.43
6	MA	Heptachlor	2.500	2.394	4.2	103	0.00	8.00- 8.06
			AvgRF	CCRF	% Dev			
7	B	beta-BHC	0.711	0.585	17.7	98	0.00	7.46- 7.52
8	B	delta-BHC	1.502	1.232	18.0	100	0.00	7.89- 7.95
			True	Calc.	% Drift			
9	MB	Aldrin	2.500	2.299	8.0	101	0.00	8.49- 8.55
10		Alachlor	2.500	2.734	-9.4	110	0.00	8.27- 8.33
11	B	Heptachlor Epoxide	2.500	2.320	7.2	103	0.00	9.37- 9.43
			AvgRF	CCRF	% Dev			
12	B	gamma-Chlordane	1.071	0.935	12.7	101	0.00	9.67- 9.73
13	B	alpha-Chlordane	1.086	0.940	13.4	97	0.00	9.90- 9.96
			True	Calc.	% Drift			
14	A	Endosulfan I	2.500	2.287	8.5	100	0.00	10.01-10.07
			AvgRF	CCRF	% Dev			
15	B	4,4'-DDE	1.033	0.953	7.7	109	0.00	10.16-10.22
			True	Calc.	% Drift			
16	MA	Dieldrin	2.500	2.575	-3.0	108	0.00	10.46-10.52
17	MA	Endrin	2.500	2.625	-5.0	107	0.00	10.99-11.05
			AvgRF	CCRF	% Dev			
18	A	4,4'-DDD	0.847	0.831	1.9	113	0.00	11.15-11.21
			True	Calc.	% Drift			
19	B	Endosulfan II	2.500	2.639	-5.6	110	0.00	11.35-11.41
			AvgRF	CCRF	% Dev			
20	MA	4,4'-DDT	0.868	0.904	-4.1	114	0.00	11.70-11.76
			True	Calc.	% Drift			
21	B	Endrin Aldehyde	2.500	2.845	-13.8	113	0.00	11.94-12.00
22	B	Endosulfan Sulfate	2.500	2.742	-9.7	113	0.00	12.43-12.49
23	A	Methoxychlor	2.500	2.778	-11.1	118	0.00	12.94-13.00
			AvgRF	CCRF	% Dev			
24		Mirex	0.777	0.701	9.8	101	0.00	13.29-13.35
25	B	Endrin Ketone	1.086	1.033	4.9	104	0.00	13.33-13.39
26	SA	Decachlorobiphenyl	0.935	0.702	24.9#	80	0.00	14.83-14.89
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	107	0.00	5.14- 5.34
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				

Continuing Calibration Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G6G3885-CC3879
Lab FileID: 6G103291A.D

33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	107	0.00	5.14-	5.34
34		Chlordane {A}	----------NA----------						
35		Chlordane {B}	----------NA----------						
36		Chlordane {C}	----------NA----------						
37		Chlordane {D}	----------NA----------						
38		Chlordane {E}	----------NA----------						

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6g103146.d 6PSTLVI3879a.M Thu Dec 12 02:44:24 2024

Initial Calibration Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRM695-ICC695
Lab FileID: RM29288.D

Response Factor Report GCRM

Method : C:\msdchem\1\met...\lviPCBGRM695A.M (ChemStation Integrator)
Title :
Last Update : Tue Nov 12 23:55:41 2024
Response via : Initial Calibration

Calibration Files
50 =rm29284.D 250 =rm29286.D 500 =rm29287.D 1000=rm29288.D
2000=rm29289.D 3000=rm29290.D 5000=rm29291.D 10k =rm29292.D
20k =rm29293.D 100 =rm29285.D = =

Compound	50	250	500	1000	2000	3000	5000	10k	20k	100	Avg	%RSD
1) Tetrachloro-m-xylene	1.023	1.014	1.030	1.038	1.104					1.003	1.035 E8	3.46
2) AR1221-A			8.519								8.519 E5	0.00
3) AR1221-B			1.096								1.096 E6	0.00
4) AR1221-C			3.292								3.292 E6	0.00
5) AR1221-D			1.269								1.269 E6	0.00
6) AR1221-E			6.571								6.571 E5	0.00
7) AR1232-A			3.472								3.472 E6	0.00
8) AR1232-B			2.324								2.324 E6	0.00
9) AR1232-C			4.924								4.924 E6	0.00
10) AR1232-D			1.863								1.863 E6	0.00
11) AR1232-E			1.775								1.775 E6	0.00
12) AR1242-A			3.943								3.943 E6	0.00
13) AR1242-B			8.773								8.773 E6	0.00
14) AR1242-C			3.517								3.517 E6	0.00
15) AR1242-D			3.527								3.527 E6	0.00
16) AR1242-E			3.141								3.141 E6	0.00
17) AR1248-A			1.726								1.726 E6	0.00
18) AR1248-B			4.623								4.623 E6	0.00
19) AR1248-C			5.523								5.523 E6	0.00
20) AR1248-D			5.236								5.236 E6	0.00
21) AR1248-E			2.718								2.718 E6	0.00
22) AR1248-F			5.164								5.164 E6	0.00
23) AR1248-G												

Initial Calibration Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRM695-ICC695
Lab FileID: RM29288.D

				5.596							5.596	E6	0.00
24)	AR1254-A												
				4.541							4.541	E6	0.00
25)	AR1254-B												
				7.293							7.293	E6	0.00
26)	AR1254-C												
				4.447							4.447	E6	0.00
27)	AR1254-D												
				7.707							7.707	E6	0.00
28)	AR1254-E												
				6.181							6.181	E6	0.00
29)	AR1254-F												
				2.716							2.716	E6	0.00
30)	AR1254-G												
				7.847							7.847	E6	0.00
31)	AR1262-A												
				6.623							6.623	E6	0.00
32)	AR1262-B												
				9.228							9.228	E6	0.00
33)	AR1262-C												
				7.207							7.207	E6	0.00
34)	AR1262-D												
				1.588							1.588	E7	0.00
35)	AR1262-E												
				1.577							1.577	E7	0.00
36)	AR1268-A												
				1.337							1.337	E7	0.00
37)	AR1268-B												
				1.198							1.198	E7	0.00
38)	AR1268-C												
				9.460							9.460	E6	0.00
39)	AR1268-D												
				3.561							3.561	E6	0.00
40)	AR1268-E												
				2.182							2.182	E7	0.00
41)	AR1016-A												
	2.161	2.174	1.839	1.732	1.746	1.717	1.694	1.720	1.568	2.342	1.869	E6	13.85
42)	AR1016-B												
	4.646	3.837	3.607	3.452	3.504	3.449	3.389	3.376	2.993	4.174	3.643	E6	12.87
43)	AR1016-C												
	9.864	8.353	7.981	7.683	8.012	7.929	7.771	7.150	6.122	9.198	8.006	E6	12.80
44)	AR1016-D												
	3.988	3.325	3.114	3.119	3.176	3.131	3.092	3.074	2.729	3.653	3.240	E6	10.76
45)	AR1016-E												
	4.101	3.465	3.252	3.119	3.199	3.167	3.145	3.169	2.837	3.792	3.325	E6	11.09
46)	AR1260-A												
	8.239	7.133	6.974	6.856	7.144	7.095	6.965	6.718	5.684	7.653	7.046	E6	9.25
47)	AR1260-B												
	5.869	5.118	4.924	4.828	4.675	4.606	4.807	4.415	3.773	5.571	4.859	E6	12.04
48)	AR1260-C												
	4.840	4.137	4.163	4.193	4.348	4.328	4.273	4.226	3.651	4.596	4.275	E6	7.23
49)	AR1260-D												
	1.075	1.017	1.014	1.023	1.050	1.000	0.986	0.893	0.756	1.052	0.987	E7	9.64
50)	AR1260-E												
	1.017	0.944	0.930	0.900	0.913	0.918	0.905	0.905	0.786	1.004	0.922	E7	6.84
51)	Decachlorobiphenyl												
	5.554	5.391	5.051	4.732	4.709					5.588	5.171	E7	7.68

Signal #2

Initial Calibration Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRM695-ICC695
Lab FileID: RM29288.D

1)	Tetrachloro-m-xylene						
	7.631	6.884	7.012	7.338	8.084	7.050	7.333 E7	6.21
2)	AR1221-A						
				6.171			6.171 E5	0.00
3)	AR1221-B						
				8.372			8.372 E5	0.00
4)	AR1221-C						
				2.071			2.071 E6	0.00
5)	AR1221-D						
				7.063			7.063 E5	0.00
6)	AR1221-E						
				4.542			4.542 E5	0.00
7)	AR1232-A						
				2.133			2.133 E6	0.00
8)	AR1232-B						
				1.700			1.700 E6	0.00
9)	AR1232-C						
				3.574			3.574 E6	0.00
10)	AR1232-D						
				1.426			1.426 E6	0.00
11)	AR1232-E						
				1.010			1.010 E6	0.00
12)	AR1242-A						
				2.948			2.948 E6	0.00
13)	AR1242-B						
				6.615			6.615 E6	0.00
14)	AR1242-C						
				2.548			2.548 E6	0.00
15)	AR1242-D						
				1.529			1.529 E6	0.00
16)	AR1242-E						
				2.511			2.511 E6	0.00
17)	AR1248-A						
				1.324			1.324 E6	0.00
18)	AR1248-B						
				3.778			3.778 E6	0.00
19)	AR1248-C						
				2.425			2.425 E6	0.00
20)	AR1248-D						
				3.175			3.175 E6	0.00
21)	AR1248-E						
				2.970			2.970 E6	0.00
22)	AR1248-F						
				4.395			4.395 E6	0.00
23)	AR1248-G						
				3.833			3.833 E6	0.00
24)	AR1254-A						
				3.944			3.944 E6	0.00
25)	AR1254-B						
				4.370			4.370 E6	0.00
26)	AR1254-C						
				3.257			3.257 E6	0.00
27)	AR1254-D						
				7.247			7.247 E6	0.00
28)	AR1254-E						
				5.002			5.002 E6	0.00
29)	AR1254-F						
				2.499			2.499 E6	0.00
30)	AR1254-G						
				6.329			6.329 E6	0.00

Initial Calibration Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRM695-ICC695
Lab FileID: RM29288.D

```
31)  AR1262-A
                          5.131                                    5.131 E6    0.00
32)  AR1262-B
                          7.824                                    7.824 E6    0.00
33)  AR1262-C
                          6.169                                    6.169 E6    0.00
34)  AR1262-D
                          1.296                                    1.296 E7    0.00
35)  AR1262-E
                          1.340                                    1.340 E7    0.00
36)  AR1268-A
                          1.211                                    1.211 E7    0.00
37)  AR1268-B
                          1.035                                    1.035 E7    0.00
38)  AR1268-C
                          8.405                                    8.405 E6    0.00
39)  AR1268-D
                          3.029                                    3.029 E6    0.00
40)  AR1268-E
                          2.027                                    2.027 E7    0.00
41)  AR1016-A
          1.656 1.350 1.287 1.240 1.257 1.266 1.268 1.314 1.233 1.486  1.336 E6   10.08
42)  AR1016-B
          3.246 2.802 2.647 2.570 2.819 2.813 2.677 2.756 2.532 3.060  2.792 E6    7.85
43)  AR1016-C
          6.487 5.868 3.588 5.809 6.226 6.251 6.325 6.435 5.747 6.203  5.894 E6   14.43
44)  AR1016-D
          2.953 2.499 2.325 2.273 2.529 2.525 2.363 2.441 2.238 2.717  2.486 E6    8.74
45)  AR1016-E
          1.306 1.322 1.234 1.200 1.239 1.236 1.240 1.289 1.200 1.330  1.260 E6    3.84
46)  AR1260-A
          5.305 4.870 4.821 4.804 5.099 5.121 5.077 4.961 4.311 4.991  4.936 E6    5.43
47)  AR1260-B
          4.884 3.985 3.950 3.917 4.117 4.101 4.118 4.065 3.568 4.077  4.078 E6    8.03
48)  AR1260-C
          3.531 3.575 3.576 3.612 3.909 3.930 3.944 3.956 3.510 3.479  3.702 E6    5.50
49)  AR1260-D
          7.959 7.982 8.205 8.302 9.025 8.971 8.515 8.103 6.773 7.824  8.166 E6    7.81
50)  AR1260-E
          8.202 7.373 7.357 7.409 7.938 7.975 7.986 8.092 7.158 7.415  7.690 E6    4.95
51)  Decachlorobiphenyl
          4.879 4.493 4.481 4.358 4.264                      4.701  4.529 E7    4.99
------------------------------------------------------------------------------
(#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          lviPCBGRM695A.M        Tue Nov 12 23:58:01 2024
```

Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRM695-ICV695
Lab FileID: RM29301.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\GRM695\rm29301.D\ECD1A.ch Vial: 20
Signal #2 : C:\msdchem\1\data\GRM695\rm29301.D\ECD2B.ch
Acq On : 12 Nov 2024 04:33 pm Operator: rebeccak
Sample : ICV695-100 (AR1016/1260) Inst : GCRM
Misc : op59274,grm695,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\met...\lviPCBGRM695A.M (ChemStation Integrator)
Title :
Last Update : Tue Nov 12 21:58:30 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 S	Tetrachloro-m-xylene	103.531	118.257 E6	-14.2	114	0.00	3.68- 3.74
2	AR1221-A		----------NA----------				
3	AR1221-B		----------NA----------				
4	AR1221-C		----------NA----------				
5	AR1221-D		----------NA----------				
6	AR1221-E		----------NA----------				
7	AR1232-A		----------NA----------				
8	AR1232-B		----------NA----------				
9	AR1232-C		----------NA----------				
10	AR1232-D		----------NA----------				
11	AR1232-E		----------NA----------				
12	AR1242-A		----------NA----------				
13	AR1242-B		----------NA----------				
14	AR1242-C		----------NA----------				
15	AR1242-D		----------NA----------				
16	AR1242-E		----------NA----------				
17	AR1248-A		----------NA----------				
18	AR1248-B		----------NA----------				
19	AR1248-C		----------NA----------				
20	AR1248-D		----------NA----------				
21	AR1248-E		----------NA----------				
22	AR1248-F		----------NA----------				
23	AR1248-G		----------NA----------				
24	AR1254-A		----------NA----------				
25	AR1254-B		----------NA----------				
26	AR1254-C		----------NA----------				
27	AR1254-D		----------NA----------				
28	AR1254-E		----------NA----------				
29	AR1254-F		----------NA----------				
30	AR1254-G		----------NA----------				
31	AR1262-A		----------NA----------				
32	AR1262-B		----------NA----------				
33	AR1262-C		----------NA----------				
34	AR1262-D		----------NA----------				
35	AR1262-E		----------NA----------				
36	AR1268-A		----------NA----------				
37	AR1268-B		----------NA----------				
38	AR1268-C		----------NA----------				
39	AR1268-D		----------NA----------				
40	AR1268-E		----------NA----------				
41	AR1016-A	1.869	1.804 E6	3.5	104	0.00	3.96- 4.02

Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRM695-ICV695
Lab FileID: RM29301.D

42		AR1016-B	3.643	3.823	E6	-4.9	111	0.00	4.24- 4.30
43		AR1016-C	8.006	8.686	E6	-8.5	113	0.00	4.62- 4.68
44		AR1016-D	3.240	3.309	E6	-2.1	106	0.00	4.73- 4.79
45		AR1016-E	3.325	3.346	E6	-0.6	107	0.00	5.09- 5.16
46		AR1260-A	7.046	7.554	E6	-7.2	110	0.00	7.00- 7.06
47		AR1260-B	4.859	4.380	E6	9.9	91	0.00	7.55- 7.61
48		AR1260-C	4.275	3.915	E6	8.4	93	0.00	7.84- 7.91
49		AR1260-D	9.866	9.514	E6	3.6	93	0.00	8.20- 8.26
50		AR1260-E	9.221	7.987	E6	13.4	89	0.00	8.50- 8.56
51	S	Decachlorobiphenyl	51.708	51.141	E6	1.1	108	0.00	9.49- 9.56
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	73.332	83.960	E6	-14.5	114	0.00	4.18- 4.24
2		AR1221-A		----------NA----------					
3		AR1221-B		----------NA----------					
4		AR1221-C		----------NA----------					
5		AR1221-D		----------NA----------					
6		AR1221-E		----------NA----------					
7		AR1232-A		----------NA----------					
8		AR1232-B		----------NA----------					
9		AR1232-C		----------NA----------					
10		AR1232-D		----------NA----------					
11		AR1232-E		----------NA----------					
12		AR1242-A		----------NA----------					
13		AR1242-B		----------NA----------					
14		AR1242-C		----------NA----------					
15		AR1242-D		----------NA----------					
16		AR1242-E		----------NA----------					
17		AR1248-A		----------NA----------					
18		AR1248-B		----------NA----------					
19		AR1248-C		----------NA----------					
20		AR1248-D		----------NA----------					
21		AR1248-E		----------NA----------					
22		AR1248-F		----------NA----------					
23		AR1248-G		----------NA----------					
24		AR1254-A		----------NA----------					
25		AR1254-B		----------NA----------					
26		AR1254-C		----------NA----------					
27		AR1254-D		----------NA----------					
28		AR1254-E		----------NA----------					
29		AR1254-F		----------NA----------					
30		AR1254-G		----------NA----------					
31		AR1262-A		----------NA----------					
32		AR1262-B		----------NA----------					
33		AR1262-C		----------NA----------					
34		AR1262-D		----------NA----------					
35		AR1262-E		----------NA----------					
36		AR1268-A		----------NA----------					
37		AR1268-B		----------NA----------					
38		AR1268-C		----------NA----------					
39		AR1268-D		----------NA----------					
40		AR1268-E		----------NA----------					
41		AR1016-A	1.336	1.312	E6	1.8	106	0.00	4.62- 4.68
42		AR1016-B	2.792	2.860	E6	-2.4	111	0.00	5.01- 5.07
43		AR1016-C	5.894	6.511	E6	-10.5	112	0.00	5.51- 5.57
44		AR1016-D	2.486	2.478	E6	0.3	109	0.00	5.67- 5.73
45		AR1016-E	1.260	1.315	E6	-4.4	110	0.00	5.97- 6.03
46		AR1260-A	4.936	5.205	E6	-5.4	108	0.00	8.33- 8.39
47		AR1260-B	4.078	3.491	E6	14.4	89	0.00	8.79- 8.85

Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRM695-ICV695
Lab FileID: RM29301.D

48		AR1260-C	3.702	3.436 E6	7.2	95	0.00	9.08- 9.14
49		AR1260-D	8.166	7.746 E6	5.1	93	0.00	9.29- 9.35
50		AR1260-E	7.690	6.585 E6	14.4	89	0.00	9.61- 9.67
51	S	Decachlorobiphenyl	45.295	44.936 E6	0.8	103	0.00	10.52-10.58

(#) = Out of Range SPCC's out = 0 CCC's out = 0

rm29288.D lviPCBGRM695A.M Tue Nov 12 22:15:59 2024

10.9.16 10

Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRM695-ICV695
Lab FileID: RM29303.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\GRM695\rm29303.D\ECD1A.ch Vial: 22
Signal #2 : C:\msdchem\1\data\GRM695\rm29303.D\ECD2B.ch
Acq On : 12 Nov 2024 05:19 pm Operator: rebeccak
Sample : ICV695-100 (AR1254) Inst : GCRM
Misc : op59274,grm695,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\met...\lviPCBGRM695A.M (ChemStation Integrator)
Title :
Last Update : Tue Nov 12 21:58:30 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 S	Tetrachloro-m-xylene	103.531	146.329 E6	-41.3#	141	0.00	3.68- 3.74
2	AR1221-A		----------NA----------				
3	AR1221-B		----------NA----------				
4	AR1221-C		----------NA----------				
5	AR1221-D		----------NA----------				
6	AR1221-E		----------NA----------				
7	AR1232-A		----------NA----------				
8	AR1232-B		----------NA----------				
9	AR1232-C		----------NA----------				
10	AR1232-D		----------NA----------				
11	AR1232-E		----------NA----------				
12	AR1242-A		----------NA----------				
13	AR1242-B		----------NA----------				
14	AR1242-C		----------NA----------				
15	AR1242-D		----------NA----------				
16	AR1242-E		----------NA----------				
17	AR1248-A		----------NA----------				
18	AR1248-B		----------NA----------				
19	AR1248-C		----------NA----------				
20	AR1248-D		----------NA----------				
21	AR1248-E		----------NA----------				
22	AR1248-F		----------NA----------				
23	AR1248-G		----------NA----------				
24	AR1254-A	4.541	4.640 E6	-2.2	102	0.00	5.40- 5.60
25	AR1254-B	7.293	7.413 E6	-1.6	102	0.00	5.70- 5.90
26	AR1254-C	4.447	4.486 E6	-0.9	101	0.00	6.05- 6.25
27	AR1254-D	7.707	7.790 E6	-1.1	101	0.00	6.22- 6.42
28	AR1254-E	6.181	6.791 E6	-9.9	110	0.00	6.65- 6.85
29	AR1254-F	2.716	2.553 E6	6.0	94	0.00	7.08- 7.28
30	AR1254-G	7.847	8.034 E6	-2.4	102	0.00	7.33- 7.53
31	AR1262-A		----------NA----------				
32	AR1262-B		----------NA----------				
33	AR1262-C		----------NA----------				
34	AR1262-D		----------NA----------				
35	AR1262-E		----------NA----------				
36	AR1268-A		----------NA----------				
37	AR1268-B		----------NA----------				
38	AR1268-C		----------NA----------				
39	AR1268-D		----------NA----------				
40	AR1268-E		----------NA----------				
41	AR1016-A		----------NA----------				

Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRM695-ICV695
Lab FileID: RM29303.D

42		AR1016-B		----------NA----------					
43		AR1016-C		----------NA----------					
44		AR1016-D		----------NA----------					
45		AR1016-E		----------NA----------					
46		AR1260-A		----------NA----------					
47		AR1260-B		----------NA----------					
48		AR1260-C		----------NA----------					
49		AR1260-D		----------NA----------					
50		AR1260-E		----------NA----------					
51	S	Decachlorobiphenyl	51.708	67.523	E6	-30.6#	143	0.00	9.49- 9.56
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	73.332	109.751	E6	-49.7#	150	0.00	4.18- 4.24
2		AR1221-A		----------NA----------					
3		AR1221-B		----------NA----------					
4		AR1221-C		----------NA----------					
5		AR1221-D		----------NA----------					
6		AR1221-E		----------NA----------					
7		AR1232-A		----------NA----------					
8		AR1232-B		----------NA----------					
9		AR1232-C		----------NA----------					
10		AR1232-D		----------NA----------					
11		AR1232-E		----------NA----------					
12		AR1242-A		----------NA----------					
13		AR1242-B		----------NA----------					
14		AR1242-C		----------NA----------					
15		AR1242-D		----------NA----------					
16		AR1242-E		----------NA----------					
17		AR1248-A		----------NA----------					
18		AR1248-B		----------NA----------					
19		AR1248-C		----------NA----------					
20		AR1248-D		----------NA----------					
21		AR1248-E		----------NA----------					
22		AR1248-F		----------NA----------					
23		AR1248-G		----------NA----------					
24		AR1254-A	3.944	4.084	E6	-3.5	104	0.00	6.92- 7.12
25		AR1254-B	4.370	4.447	E6	-1.8	102	0.00	7.19- 7.39
26		AR1254-C	3.257	3.300	E6	-1.3	101	0.00	7.67- 7.87
27		AR1254-D	7.247	7.398	E6	-2.1	102	0.00	7.81- 8.01
28		AR1254-E	5.002	5.010	E6	-0.2	100	0.00	8.07- 8.27
29		AR1254-F	2.499	2.554	E6	-2.2	102	0.00	8.43- 8.63
30		AR1254-G	6.329	6.539	E6	-3.3	103	0.00	8.64- 8.84
31		AR1262-A		----------NA----------					
32		AR1262-B		----------NA----------					
33		AR1262-C		----------NA----------					
34		AR1262-D		----------NA----------					
35		AR1262-E		----------NA----------					
36		AR1268-A		----------NA----------					
37		AR1268-B		----------NA----------					
38		AR1268-C		----------NA----------					
39		AR1268-D		----------NA----------					
40		AR1268-E		----------NA----------					
41		AR1016-A		----------NA----------					
42		AR1016-B		----------NA----------					
43		AR1016-C		----------NA----------					
44		AR1016-D		----------NA----------					
45		AR1016-E		----------NA----------					
46		AR1260-A		----------NA----------					
47		AR1260-B		----------NA----------					

Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRM695-ICV695
Lab FileID: RM29303.D

48		AR1260-C			----------NA----------			
49		AR1260-D			----------NA----------			
50		AR1260-E			----------NA----------			
51	S	Decachlorobiphenyl	45.295	60.155 E6	-32.8#	138	0.00	10.52-10.58

(#) = Out of Range SPCC's out = 0 CCC's out = 0
rm29288.D lviPCBGRM695A.M Tue Nov 12 22:16:11 2024

10.9.17
10

Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRM695-ICV695
Lab FileID: RM29304.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\GRM695\rm29304.D\ECD1A.ch Vial: 23
Signal #2 : C:\msdchem\1\data\GRM695\rm29304.D\ECD2B.ch
Acq On : 12 Nov 2024 05:42 pm Operator: rebeccak
Sample : ICV695-100 (AR1232) Inst : GCRM
Misc : op59274,grm695,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\met...\lviPCBGRM695A.M (ChemStation Integrator)
Title :
Last Update : Tue Nov 12 21:58:30 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 S	Tetrachloro-m-xylene	103.531	132.250 E6	-27.7#	127	0.00	3.68- 3.74
2	AR1221-A		----------NA----------				
3	AR1221-B		----------NA----------				
4	AR1221-C		----------NA----------				
5	AR1221-D		----------NA----------				
6	AR1221-E		----------NA----------				
7	AR1232-A	3.472	2.789 E6	19.7	80	0.00	3.88- 4.08
8	AR1232-B	2.324	1.903 E6	18.1	82	0.00	4.17- 4.37
9	AR1232-C	4.924	3.994 E6	18.9	81	0.00	4.55- 4.75
10	AR1232-D	1.863	1.522 E6	18.3	82	0.00	4.66- 4.86
11	AR1232-E	1.775	1.463 E6	17.6	82	0.00	5.02- 5.22
12	AR1242-A		----------NA----------				
13	AR1242-B		----------NA----------				
14	AR1242-C		----------NA----------				
15	AR1242-D		----------NA----------				
16	AR1242-E		----------NA----------				
17	AR1248-A		----------NA----------				
18	AR1248-B		----------NA----------				
19	AR1248-C		----------NA----------				
20	AR1248-D		----------NA----------				
21	AR1248-E		----------NA----------				
22	AR1248-F		----------NA----------				
23	AR1248-G		----------NA----------				
24	AR1254-A		----------NA----------				
25	AR1254-B		----------NA----------				
26	AR1254-C		----------NA----------				
27	AR1254-D		----------NA----------				
28	AR1254-E		----------NA----------				
29	AR1254-F		----------NA----------				
30	AR1254-G		----------NA----------				
31	AR1262-A		----------NA----------				
32	AR1262-B		----------NA----------				
33	AR1262-C		----------NA----------				
34	AR1262-D		----------NA----------				
35	AR1262-E		----------NA----------				
36	AR1268-A		----------NA----------				
37	AR1268-B		----------NA----------				
38	AR1268-C		----------NA----------				
39	AR1268-D		----------NA----------				
40	AR1268-E		----------NA----------				
41	AR1016-A		----------NA----------				

10.9.18 10

Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRM695-ICV695
Lab FileID: RM29304.D

42		AR1016-B		----------NA----------					
43		AR1016-C		----------NA----------					
44		AR1016-D		----------NA----------					
45		AR1016-E		----------NA----------					
46		AR1260-A		----------NA----------					
47		AR1260-B		----------NA----------					
48		AR1260-C		----------NA----------					
49		AR1260-D		----------NA----------					
50		AR1260-E		----------NA----------					
51	S	Decachlorobiphenyl	51.708	58.938 E6	-14.0	125	0.00	9.49-	9.56
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	73.332	92.956 E6	-26.8#	127	0.00	4.18-	4.24
2		AR1221-A		----------NA----------					
3		AR1221-B		----------NA----------					
4		AR1221-C		----------NA----------					
5		AR1221-D		----------NA----------					
6		AR1221-E		----------NA----------					
7		AR1232-A	2.133	1.728 E6	19.0	81	0.00	4.55-	4.75
8		AR1232-B	1.700	1.384 E6	18.6	81	0.00	4.94-	5.14
9		AR1232-C	3.574	2.868 E6	19.8	80	0.00	5.44-	5.64
10		AR1232-D	1.426	1.147 E6	19.6	80	0.00	5.60-	5.80
11		AR1232-E	1.010	0.829 E6	17.9	82	0.00	6.24-	6.44
12		AR1242-A		----------NA----------					
13		AR1242-B		----------NA----------					
14		AR1242-C		----------NA----------					
15		AR1242-D		----------NA----------					
16		AR1242-E		----------NA----------					
17		AR1248-A		----------NA----------					
18		AR1248-B		----------NA----------					
19		AR1248-C		----------NA----------					
20		AR1248-D		----------NA----------					
21		AR1248-E		----------NA----------					
22		AR1248-F		----------NA----------					
23		AR1248-G		----------NA----------					
24		AR1254-A		----------NA----------					
25		AR1254-B		----------NA----------					
26		AR1254-C		----------NA----------					
27		AR1254-D		----------NA----------					
28		AR1254-E		----------NA----------					
29		AR1254-F		----------NA----------					
30		AR1254-G		----------NA----------					
31		AR1262-A		----------NA----------					
32		AR1262-B		----------NA----------					
33		AR1262-C		----------NA----------					
34		AR1262-D		----------NA----------					
35		AR1262-E		----------NA----------					
36		AR1268-A		----------NA----------					
37		AR1268-B		----------NA----------					
38		AR1268-C		----------NA----------					
39		AR1268-D		----------NA----------					
40		AR1268-E		----------NA----------					
41		AR1016-A		----------NA----------					
42		AR1016-B		----------NA----------					
43		AR1016-C		----------NA----------					
44		AR1016-D		----------NA----------					
45		AR1016-E		----------NA----------					
46		AR1260-A		----------NA----------					
47		AR1260-B		----------NA----------					

10.9.18 10

Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRM695-ICV695
Lab FileID: RM29304.D

48		AR1260-C			----------NA----------				
49		AR1260-D			----------NA----------				
50		AR1260-E			----------NA----------				
51	S	Decachlorobiphenyl	45.295	52.908 E6	-16.8	121	0.00	10.52-10.58	

(#) = Out of Range SPCC's out = 0 CCC's out = 0
rm29288.D lviPCBGRM695A.M Tue Nov 12 22:16:14 2024

10.9.18
10

Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRM695-ICV695
Lab FileID: RM29305.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\GRM695\rm29305.D\ECD1A.ch Vial: 24
Signal #2 : C:\msdchem\1\data\GRM695\rm29305.D\ECD2B.ch
Acq On : 12 Nov 2024 06:05 pm Operator: rebeccak
Sample : ICV695-100 (AR1262) Inst : GCRM
Misc : op59274,grm695,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\met...\lviPCBGRM695A.M (ChemStation Integrator)
Title :
Last Update : Tue Nov 12 21:58:30 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	103.531	122.210 E6	-18.0	118	0.00	3.68- 3.74
2		AR1221-A		----------NA----------				
3		AR1221-B		----------NA----------				
4		AR1221-C		----------NA----------				
5		AR1221-D		----------NA----------				
6		AR1221-E		----------NA----------				
7		AR1232-A		----------NA----------				
8		AR1232-B		----------NA----------				
9		AR1232-C		----------NA----------				
10		AR1232-D		----------NA----------				
11		AR1232-E		----------NA----------				
12		AR1242-A		----------NA----------				
13		AR1242-B		----------NA----------				
14		AR1242-C		----------NA----------				
15		AR1242-D		----------NA----------				
16		AR1242-E		----------NA----------				
17		AR1248-A		----------NA----------				
18		AR1248-B		----------NA----------				
19		AR1248-C		----------NA----------				
20		AR1248-D		----------NA----------				
21		AR1248-E		----------NA----------				
22		AR1248-F		----------NA----------				
23		AR1248-G		----------NA----------				
24		AR1254-A		----------NA----------				
25		AR1254-B		----------NA----------				
26		AR1254-C		----------NA----------				
27		AR1254-D		----------NA----------				
28		AR1254-E		----------NA----------				
29		AR1254-F		----------NA----------				
30		AR1254-G		----------NA----------				
31		AR1262-A	6.623	5.595 E6	15.5	84	0.00	6.93- 7.13
32		AR1262-B	9.228	7.813 E6	15.3	85	0.00	7.48- 7.68
33		AR1262-C	7.207	6.084 E6	15.6	84	0.00	7.78- 7.98
34		AR1262-D	15.881	13.502 E6	15.0	85	0.00	8.13- 8.33
35		AR1262-E	15.770	13.295 E6	15.7	84	0.00	8.46- 8.66
36		AR1268-A		----------NA----------				
37		AR1268-B		----------NA----------				
38		AR1268-C		----------NA----------				
39		AR1268-D		----------NA----------				
40		AR1268-E		----------NA----------				
41		AR1016-A		----------NA----------				

10.9.19 10

Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRM695-ICV695
Lab FileID: RM29305.D

42		AR1016-B		----------NA----------					
43		AR1016-C		----------NA----------					
44		AR1016-D		----------NA----------					
45		AR1016-E		----------NA----------					
46		AR1260-A		----------NA----------					
47		AR1260-B		----------NA----------					
48		AR1260-C		----------NA----------					
49		AR1260-D		----------NA----------					
50		AR1260-E		----------NA----------					
51	S	Decachlorobiphenyl	51.708	58.199	E6	-12.6	123	0.00	9.49- 9.56
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	73.332	91.681	E6	-25.0#	125	0.00	4.18- 4.24
2		AR1221-A		----------NA----------					
3		AR1221-B		----------NA----------					
4		AR1221-C		----------NA----------					
5		AR1221-D		----------NA----------					
6		AR1221-E		----------NA----------					
7		AR1232-A		----------NA----------					
8		AR1232-B		----------NA----------					
9		AR1232-C		----------NA----------					
10		AR1232-D		----------NA----------					
11		AR1232-E		----------NA----------					
12		AR1242-A		----------NA----------					
13		AR1242-B		----------NA----------					
14		AR1242-C		----------NA----------					
15		AR1242-D		----------NA----------					
16		AR1242-E		----------NA----------					
17		AR1248-A		----------NA----------					
18		AR1248-B		----------NA----------					
19		AR1248-C		----------NA----------					
20		AR1248-D		----------NA----------					
21		AR1248-E		----------NA----------					
22		AR1248-F		----------NA----------					
23		AR1248-G		----------NA----------					
24		AR1254-A		----------NA----------					
25		AR1254-B		----------NA----------					
26		AR1254-C		----------NA----------					
27		AR1254-D		----------NA----------					
28		AR1254-E		----------NA----------					
29		AR1254-F		----------NA----------					
30		AR1254-G		----------NA----------					
31		AR1262-A	5.131	4.307	E6	16.1	84	0.00	8.26- 8.46
32		AR1262-B	7.824	6.608	E6	15.5	84	0.00	8.72- 8.92
33		AR1262-C	6.169	5.166	E6	16.3	84	0.00	9.01- 9.21
34		AR1262-D	12.958	10.928	E6	15.7	84	0.00	9.22- 9.42
35		AR1262-E	13.402	11.285	E6	15.8	84	0.00	9.52- 9.72
36		AR1268-A		----------NA----------					
37		AR1268-B		----------NA----------					
38		AR1268-C		----------NA----------					
39		AR1268-D		----------NA----------					
40		AR1268-E		----------NA----------					
41		AR1016-A		----------NA----------					
42		AR1016-B		----------NA----------					
43		AR1016-C		----------NA----------					
44		AR1016-D		----------NA----------					
45		AR1016-E		----------NA----------					
46		AR1260-A		----------NA----------					
47		AR1260-B		----------NA----------					

Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRM695-ICV695
Lab FileID: RM29305.D

48		AR1260-C			----------NA----------				
49		AR1260-D			----------NA----------				
50		AR1260-E			----------NA----------				
51	S	Decachlorobiphenyl	45.295	52.463 E6	-15.8	120	0.00	10.52-10.58	

(#) = Out of Range SPCC's out = 0 CCC's out = 0
rm29288.D lviPCBGRM695A.M Tue Nov 12 22:16:27 2024

10.9.19 10

Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRM695-ICV695
Lab FileID: RM29306.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\GRM695\rm29306.D\ECD1A.ch Vial: 25
Signal #2 : C:\msdchem\1\data\GRM695\rm29306.D\ECD2B.ch
Acq On : 12 Nov 2024 06:27 pm Operator: rebeccak
Sample : ICV695-100 (AR1242) Inst : GCRM
Misc : op59274,grm695,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\met...\lviPCBGRM695A.M (ChemStation Integrator)
Title :
Last Update : Tue Nov 12 21:58:30 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 S	Tetrachloro-m-xylene	103.531	126.215 E6	-21.9#	122	0.00	3.68- 3.74
2	AR1221-A		----------NA----------				
3	AR1221-B		----------NA----------				
4	AR1221-C		----------NA----------				
5	AR1221-D		----------NA----------				
6	AR1221-E		----------NA----------				
7	AR1232-A		----------NA----------				
8	AR1232-B		----------NA----------				
9	AR1232-C		----------NA----------				
10	AR1232-D		----------NA----------				
11	AR1232-E		----------NA----------				
12	AR1242-A	3.943	3.586 E6	9.1	91	0.00	4.17- 4.37
13	AR1242-B	8.773	7.887 E6	10.1	90	0.00	4.55- 4.75
14	AR1242-C	3.517	3.156 E6	10.3	90	0.00	4.66- 4.86
15	AR1242-D	3.527	3.114 E6	11.7	88	0.00	5.02- 5.22
16	AR1242-E	3.141	3.024 E6	3.7	96	0.00	5.49- 5.69
17	AR1248-A		----------NA----------				
18	AR1248-B		----------NA----------				
19	AR1248-C		----------NA----------				
20	AR1248-D		----------NA----------				
21	AR1248-E		----------NA----------				
22	AR1248-F		----------NA----------				
23	AR1248-G		----------NA----------				
24	AR1254-A		----------NA----------				
25	AR1254-B		----------NA----------				
26	AR1254-C		----------NA----------				
27	AR1254-D		----------NA----------				
28	AR1254-E		----------NA----------				
29	AR1254-F		----------NA----------				
30	AR1254-G		----------NA----------				
31	AR1262-A		----------NA----------				
32	AR1262-B		----------NA----------				
33	AR1262-C		----------NA----------				
34	AR1262-D		----------NA----------				
35	AR1262-E		----------NA----------				
36	AR1268-A		----------NA----------				
37	AR1268-B		----------NA----------				
38	AR1268-C		----------NA----------				
39	AR1268-D		----------NA----------				
40	AR1268-E		----------NA----------				
41	AR1016-A		----------NA----------				

10.9.20 10

Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRM695-ICV695
Lab FileID: RM29306.D

42		AR1016-B		----------NA----------					
43		AR1016-C		----------NA----------					
44		AR1016-D		----------NA----------					
45		AR1016-E		----------NA----------					
46		AR1260-A		----------NA----------					
47		AR1260-B		----------NA----------					
48		AR1260-C		----------NA----------					
49		AR1260-D		----------NA----------					
50		AR1260-E		----------NA----------					
51	S	Decachlorobiphenyl	51.708	57.660 E6	-11.5	122	0.00	9.49-	9.56
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	73.332	90.196 E6	-23.0#	123	0.00	4.18-	4.24
2		AR1221-A		----------NA----------					
3		AR1221-B		----------NA----------					
4		AR1221-C		----------NA----------					
5		AR1221-D		----------NA----------					
6		AR1221-E		----------NA----------					
7		AR1232-A		----------NA----------					
8		AR1232-B		----------NA----------					
9		AR1232-C		----------NA----------					
10		AR1232-D		----------NA----------					
11		AR1232-E		----------NA----------					
12		AR1242-A	2.948	2.680 E6	9.1	91	0.00	4.94-	5.14
13		AR1242-B	6.615	5.929 E6	10.4	90	0.00	5.43-	5.63
14		AR1242-C	2.548	2.294 E6	10.0	90	0.00	5.60-	5.80
15		AR1242-D	1.529	1.375 E6	10.1	90	0.00	5.73-	5.93
16		AR1242-E	2.511	2.124 E6	15.4	85	0.00	6.93-	7.13
17		AR1248-A		----------NA----------					
18		AR1248-B		----------NA----------					
19		AR1248-C		----------NA----------					
20		AR1248-D		----------NA----------					
21		AR1248-E		----------NA----------					
22		AR1248-F		----------NA----------					
23		AR1248-G		----------NA----------					
24		AR1254-A		----------NA----------					
25		AR1254-B		----------NA----------					
26		AR1254-C		----------NA----------					
27		AR1254-D		----------NA----------					
28		AR1254-E		----------NA----------					
29		AR1254-F		----------NA----------					
30		AR1254-G		----------NA----------					
31		AR1262-A		----------NA----------					
32		AR1262-B		----------NA----------					
33		AR1262-C		----------NA----------					
34		AR1262-D		----------NA----------					
35		AR1262-E		----------NA----------					
36		AR1268-A		----------NA----------					
37		AR1268-B		----------NA----------					
38		AR1268-C		----------NA----------					
39		AR1268-D		----------NA----------					
40		AR1268-E		----------NA----------					
41		AR1016-A		----------NA----------					
42		AR1016-B		----------NA----------					
43		AR1016-C		----------NA----------					
44		AR1016-D		----------NA----------					
45		AR1016-E		----------NA----------					
46		AR1260-A		----------NA----------					
47		AR1260-B		----------NA----------					

Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRM695-ICV695
Lab FileID: RM29306.D

48		AR1260-C			----------NA----------				
49		AR1260-D			----------NA----------				
50		AR1260-E			----------NA----------				
51	S	Decachlorobiphenyl	45.295	50.424 E6	-11.3	116	0.00	10.52-10.58	

(#) = Out of Range SPCC's out = 0 CCC's out = 0
rm29288.D lviPCBGRM695A.M Tue Nov 12 22:16:40 2024

10.9.20
10

Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRM695-ICV695
Lab FileID: RM29308.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\GRM695\rm29308.D\ECD1A.ch Vial: 27
Signal #2 : C:\msdchem\1\data\GRM695\rm29308.D\ECD2B.ch
Acq On : 12 Nov 2024 07:13 pm Operator: rebeccak
Sample : ICV695-100 (AR1248) Inst : GCRM
Misc : op59274,grm695,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\met...\lviPCBGRM695A.M (ChemStation Integrator)
Title :
Last Update : Tue Nov 12 21:58:30 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	103.531	122.643 E6	-18.5	118	0.00	3.68- 3.74
2		AR1221-A		----------NA----------				
3		AR1221-B		----------NA----------				
4		AR1221-C		----------NA----------				
5		AR1221-D		----------NA----------				
6		AR1221-E		----------NA----------				
7		AR1232-A		----------NA----------				
8		AR1232-B		----------NA----------				
9		AR1232-C		----------NA----------				
10		AR1232-D		----------NA----------				
11		AR1232-E		----------NA----------				
12		AR1242-A		----------NA----------				
13		AR1242-B		----------NA----------				
14		AR1242-C		----------NA----------				
15		AR1242-D		----------NA----------				
16		AR1242-E		----------NA----------				
17		AR1248-A	1.726	1.547 E6	10.4	90	0.00	4.17- 4.37
18		AR1248-B	4.623	4.898 E6	-5.9	106	0.00	4.54- 4.74
19		AR1248-C	5.523	4.955 E6	10.3	90	0.00	4.82- 5.02
20		AR1248-D	5.236	4.667 E6	10.9	89	0.00	5.02- 5.22
21		AR1248-E	2.718	2.453 E6	9.7	90	0.00	5.10- 5.30
22		AR1248-F	5.164	4.675 E6	9.5	91	0.00	5.48- 5.68
23		AR1248-G	5.596	5.203 E6	7.0	93	0.00	5.70- 5.90
24		AR1254-A		----------NA----------				
25		AR1254-B		----------NA----------				
26		AR1254-C		----------NA----------				
27		AR1254-D		----------NA----------				
28		AR1254-E		----------NA----------				
29		AR1254-F		----------NA----------				
30		AR1254-G		----------NA----------				
31		AR1262-A		----------NA----------				
32		AR1262-B		----------NA----------				
33		AR1262-C		----------NA----------				
34		AR1262-D		----------NA----------				
35		AR1262-E		----------NA----------				
36		AR1268-A		----------NA----------				
37		AR1268-B		----------NA----------				
38		AR1268-C		----------NA----------				
39		AR1268-D		----------NA----------				
40		AR1268-E		----------NA----------				
41		AR1016-A		----------NA----------				

Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRM695-ICV695
Lab FileID: RM29308.D

42		AR1016-B		----------NA----------					
43		AR1016-C		----------NA----------					
44		AR1016-D		----------NA----------					
45		AR1016-E		----------NA----------					
46		AR1260-A		----------NA----------					
47		AR1260-B		----------NA----------					
48		AR1260-C		----------NA----------					
49		AR1260-D		----------NA----------					
50		AR1260-E		----------NA----------					
51	S	Decachlorobiphenyl	51.708	57.177	E6	-10.6	121	0.00	9.48- 9.55
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	73.332	91.360	E6	-24.6#	124	0.00	4.18- 4.24
2		AR1221-A		----------NA----------					
3		AR1221-B		----------NA----------					
4		AR1221-C		----------NA----------					
5		AR1221-D		----------NA----------					
6		AR1221-E		----------NA----------					
7		AR1232-A		----------NA----------					
8		AR1232-B		----------NA----------					
9		AR1232-C		----------NA----------					
10		AR1232-D		----------NA----------					
11		AR1232-E		----------NA----------					
12		AR1242-A		----------NA----------					
13		AR1242-B		----------NA----------					
14		AR1242-C		----------NA----------					
15		AR1242-D		----------NA----------					
16		AR1242-E		----------NA----------					
17		AR1248-A	1.324	1.198	E6	9.5	90	0.00	4.94- 5.14
18		AR1248-B	3.778	3.366	E6	10.9	89	0.00	5.41- 5.61
19		AR1248-C	2.425	2.169	E6	10.6	89	0.00	5.84- 6.04
20		AR1248-D	3.175	2.830	E6	10.9	89	0.00	6.24- 6.44
21		AR1248-E	2.970	2.619	E6	11.8	88	0.00	6.43- 6.63
22		AR1248-F	4.395	3.940	E6	10.4	90	0.00	6.93- 7.13
23		AR1248-G	3.833	3.382	E6	11.8	88	0.00	7.28- 7.48
24		AR1254-A		----------NA----------					
25		AR1254-B		----------NA----------					
26		AR1254-C		----------NA----------					
27		AR1254-D		----------NA----------					
28		AR1254-E		----------NA----------					
29		AR1254-F		----------NA----------					
30		AR1254-G		----------NA----------					
31		AR1262-A		----------NA----------					
32		AR1262-B		----------NA----------					
33		AR1262-C		----------NA----------					
34		AR1262-D		----------NA----------					
35		AR1262-E		----------NA----------					
36		AR1268-A		----------NA----------					
37		AR1268-B		----------NA----------					
38		AR1268-C		----------NA----------					
39		AR1268-D		----------NA----------					
40		AR1268-E		----------NA----------					
41		AR1016-A		----------NA----------					
42		AR1016-B		----------NA----------					
43		AR1016-C		----------NA----------					
44		AR1016-D		----------NA----------					
45		AR1016-E		----------NA----------					
46		AR1260-A		----------NA----------					
47		AR1260-B		----------NA----------					

Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRM695-ICV695
Lab FileID: RM29308.D

48		AR1260-C			----------NA----------				
49		AR1260-D			----------NA----------				
50		AR1260-E			----------NA----------				
51	S	Decachlorobiphenyl	45.295	50.796 E6	-12.1	117	0.00	10.52-10.58	

(#) = Out of Range SPCC's out = 0 CCC's out = 0
rm29288.D lviPCBGRM695A.M Tue Nov 12 22:16:53 2024

10.9.21
10

Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRM695-ICV695
Lab FileID: RM29313A.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\GRM695\rm29313a.D\ECD1A.ch Vial: 30
Signal #2 : C:\msdchem\1\data\GRM695\rm29313a.D\ECD2B.ch
Acq On : 12 Nov 2024 10:49 pm Operator: christp
Sample : icv695-100 (AR 1221) Inst : GCRM
Misc : op59274,grm696,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\met...\lviPCBGRM695A.M (ChemStation Integrator)
Title :
Last Update : Tue Nov 12 23:29:35 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	103.531	105.466 E6	-1.9	102	0.00	3.68- 3.74
2		AR1221-A	851.853	759.727 E3	10.8	89	0.00	3.19- 3.39
3		AR1221-B	1.096	1.005 E6	8.3	92	0.00	3.74- 3.94
4		AR1221-C	3.292	3.064 E6	6.9	93	0.00	3.88- 4.08
5		AR1221-D	1.269	1.120 E6	11.7	88	-0.14#	4.17- 4.37
6		AR1221-E	657.140	624.039 E3	5.0	95	0.00	4.55- 4.75
7		AR1232-A	----------NA----------					
8		AR1232-B	----------NA----------					
9		AR1232-C	----------NA----------					
10		AR1232-D	----------NA----------					
11		AR1232-E	----------NA----------					
12		AR1242-A	----------NA----------					
13		AR1242-B	----------NA----------					
14		AR1242-C	----------NA----------					
15		AR1242-D	----------NA----------					
16		AR1242-E	----------NA----------					
17		AR1248-A	----------NA----------					
18		AR1248-B	----------NA----------					
19		AR1248-C	----------NA----------					
20		AR1248-D	----------NA----------					
21		AR1248-E	----------NA----------					
22		AR1248-F	----------NA----------					
23		AR1248-G	----------NA----------					
24		AR1254-A	----------NA----------					
25		AR1254-B	----------NA----------					
26		AR1254-C	----------NA----------					
27		AR1254-D	----------NA----------					
28		AR1254-E	----------NA----------					
29		AR1254-F	----------NA----------					
30		AR1254-G	----------NA----------					
31		AR1262-A	----------NA----------					
32		AR1262-B	----------NA----------					
33		AR1262-C	----------NA----------					
34		AR1262-D	----------NA----------					
35		AR1262-E	----------NA----------					
36		AR1268-A	----------NA----------					
37		AR1268-B	----------NA----------					
38		AR1268-C	----------NA----------					
39		AR1268-D	----------NA----------					
40		AR1268-E	----------NA----------					
41		AR1016-A	----------NA----------					

10.9.22 10

Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRM695-ICV695
Lab FileID: RM29313A.D

42		AR1016-B			----------NA----------				
43		AR1016-C			----------NA----------				
44		AR1016-D			----------NA----------				
45		AR1016-E			----------NA----------				
46		AR1260-A			----------NA----------				
47		AR1260-B			----------NA----------				
48		AR1260-C			----------NA----------				
49		AR1260-D			----------NA----------				
50		AR1260-E			----------NA----------				
51	S	Decachlorobiphenyl	51.708	48.288	E6	6.6	102	0.00	9.49- 9.56
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	73.332	72.628	E6	1.0	99	0.00	4.18- 4.24
2		AR1221-A	617.054	631.873	E3	-2.4	102	0.00	3.76- 3.82
3		AR1221-B	837.249	771.467	E3	7.9	92	0.00	4.36- 4.56
4		AR1221-C	2.071	1.898	E6	8.4	92	0.00	4.55- 4.75
5		AR1221-D	706.261	651.482	E3	7.8	92	0.00	4.93- 5.13
6		AR1221-E	454.185	423.840	E3	6.7	93	0.00	5.43- 5.63
7		AR1232-A			----------NA----------				
8		AR1232-B			----------NA----------				
9		AR1232-C			----------NA----------				
10		AR1232-D			----------NA----------				
11		AR1232-E			----------NA----------				
12		AR1242-A			----------NA----------				
13		AR1242-B			----------NA----------				
14		AR1242-C			----------NA----------				
15		AR1242-D			----------NA----------				
16		AR1242-E			----------NA----------				
17		AR1248-A			----------NA----------				
18		AR1248-B			----------NA----------				
19		AR1248-C			----------NA----------				
20		AR1248-D			----------NA----------				
21		AR1248-E			----------NA----------				
22		AR1248-F			----------NA----------				
23		AR1248-G			----------NA----------				
24		AR1254-A			----------NA----------				
25		AR1254-B			----------NA----------				
26		AR1254-C			----------NA----------				
27		AR1254-D			----------NA----------				
28		AR1254-E			----------NA----------				
29		AR1254-F			----------NA----------				
30		AR1254-G			----------NA----------				
31		AR1262-A			----------NA----------				
32		AR1262-B			----------NA----------				
33		AR1262-C			----------NA----------				
34		AR1262-D			----------NA----------				
35		AR1262-E			----------NA----------				
36		AR1268-A			----------NA----------				
37		AR1268-B			----------NA----------				
38		AR1268-C			----------NA----------				
39		AR1268-D			----------NA----------				
40		AR1268-E			----------NA----------				
41		AR1016-A			----------NA----------				
42		AR1016-B			----------NA----------				
43		AR1016-C			----------NA----------				
44		AR1016-D			----------NA----------				
45		AR1016-E			----------NA----------				
46		AR1260-A			----------NA----------				
47		AR1260-B			----------NA----------				

Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRM695-ICV695
Lab FileID: RM29313A.D

48		AR1260-C				----------NA----------			
49		AR1260-D				----------NA----------			
50		AR1260-E				----------NA----------			
51	S	Decachlorobiphenyl	45.295	45.956	E6	-1.5	105	0.00	10.52-10.58

(#) = Out of Range SPCC's out = 0 CCC's out = 0
rm29302.D lviPCBGRM695A.M Tue Nov 12 23:38:25 2024

10.9.22
10

Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRM695-ICV695
Lab FileID: RM29314.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\GRM695\rm29314.D\ECD1A.ch Vial: 31
Signal #2 : C:\msdchem\1\data\GRM695\rm29314.D\ECD2B.ch
Acq On : 12 Nov 2024 11:13 pm Operator: christp
Sample : icv695-100 (AR 1268) Inst : GCRM
Misc : op59274,grm696,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\met...\lviPCBGRM695A.M (ChemStation Integrator)
Title :
Last Update : Tue Nov 12 23:55:41 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 S	Tetrachloro-m-xylene	103.531	126.209 E6	-21.9#	122	0.00	3.68- 3.74
2	AR1221-A			----------NA----------			
3	AR1221-B			----------NA----------			
4	AR1221-C			----------NA----------			
5	AR1221-D			----------NA----------			
6	AR1221-E			----------NA----------			
7	AR1232-A			----------NA----------			
8	AR1232-B			----------NA----------			
9	AR1232-C			----------NA----------			
10	AR1232-D			----------NA----------			
11	AR1232-E			----------NA----------			
12	AR1242-A			----------NA----------			
13	AR1242-B			----------NA----------			
14	AR1242-C			----------NA----------			
15	AR1242-D			----------NA----------			
16	AR1242-E			----------NA----------			
17	AR1248-A			----------NA----------			
18	AR1248-B			----------NA----------			
19	AR1248-C			----------NA----------			
20	AR1248-D			----------NA----------			
21	AR1248-E			----------NA----------			
22	AR1248-F			----------NA----------			
23	AR1248-G			----------NA----------			
24	AR1254-A			----------NA----------			
25	AR1254-B			----------NA----------			
26	AR1254-C			----------NA----------			
27	AR1254-D			----------NA----------			
28	AR1254-E			----------NA----------			
29	AR1254-F			----------NA----------			
30	AR1254-G			----------NA----------			
31	AR1262-A			----------NA----------			
32	AR1262-B			----------NA----------			
33	AR1262-C			----------NA----------			
34	AR1262-D			----------NA----------			
35	AR1262-E			----------NA----------			
36	AR1268-A	13.372	15.016 E6	-12.3	112	0.00	8.46- 8.66
37	AR1268-B	11.984	13.556 E6	-13.1	113	0.00	8.50- 8.70
38	AR1268-C	9.460	10.627 E6	-12.3	112	0.00	8.69- 8.89
39	AR1268-D	3.561	4.067 E6	-14.2	114	0.00	9.01- 9.21
40	AR1268-E	21.819	24.520 E6	-12.4	112	0.00	9.26- 9.46
41	AR1016-A			----------NA----------			

10.9.23
10

Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRM695-ICV695
Lab FileID: RM29314.D

42		AR1016-B			----------NA----------				
43		AR1016-C			----------NA----------				
44		AR1016-D			----------NA----------				
45		AR1016-E			----------NA----------				
46		AR1260-A			----------NA----------				
47		AR1260-B			----------NA----------				
48		AR1260-C			----------NA----------				
49		AR1260-D			----------NA----------				
50		AR1260-E			----------NA----------				
51	S	Decachlorobiphenyl	51.708	168.666	E6	-226.2#	356#	0.00	9.48- 9.55
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	73.332	94.596	E6	-29.0#	129	0.00	4.18- 4.24
2		AR1221-A			----------NA----------				
3		AR1221-B			----------NA----------				
4		AR1221-C			----------NA----------				
5		AR1221-D			----------NA----------				
6		AR1221-E			----------NA----------				
7		AR1232-A			----------NA----------				
8		AR1232-B			----------NA----------				
9		AR1232-C			----------NA----------				
10		AR1232-D			----------NA----------				
11		AR1232-E			----------NA----------				
12		AR1242-A			----------NA----------				
13		AR1242-B			----------NA----------				
14		AR1242-C			----------NA----------				
15		AR1242-D			----------NA----------				
16		AR1242-E			----------NA----------				
17		AR1248-A			----------NA----------				
18		AR1248-B			----------NA----------				
19		AR1248-C			----------NA----------				
20		AR1248-D			----------NA----------				
21		AR1248-E			----------NA----------				
22		AR1248-F			----------NA----------				
23		AR1248-G			----------NA----------				
24		AR1254-A			----------NA----------				
25		AR1254-B			----------NA----------				
26		AR1254-C			----------NA----------				
27		AR1254-D			----------NA----------				
28		AR1254-E			----------NA----------				
29		AR1254-F			----------NA----------				
30		AR1254-G			----------NA----------				
31		AR1262-A			----------NA----------				
32		AR1262-B			----------NA----------				
33		AR1262-C			----------NA----------				
34		AR1262-D			----------NA----------				
35		AR1262-E			----------NA----------				
36		AR1268-A	12.114	13.796	E6	-13.9	114	0.00	9.52- 9.72
37		AR1268-B	10.348	11.821	E6	-14.2	114	0.00	9.56- 9.76
38		AR1268-C	8.405	9.506	E6	-13.1	113	0.00	9.77- 9.97
39		AR1268-D	3.029	3.489	E6	-15.2	115	0.00	9.98-10.18
40		AR1268-E	20.271	22.900	E6	-13.0	113	0.00	10.23-10.43
41		AR1016-A			----------NA----------				
42		AR1016-B			----------NA----------				
43		AR1016-C			----------NA----------				
44		AR1016-D			----------NA----------				
45		AR1016-E			----------NA----------				
46		AR1260-A			----------NA----------				
47		AR1260-B			----------NA----------				

Initial Calibration Verification

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRM695-ICV695
Lab FileID: RM29314.D

```
48      AR1260-C                              ----------NA----------
49      AR1260-D                              ----------NA----------
50      AR1260-E                              ----------NA----------
51 S    Decachlorobiphenyl      45.295 155.188 E6 -242.6# 356#  0.00   10.52-10.58
---------------------------------------------------------------------------
---------------------------------------------------------------------------

   (#) = Out of Range                SPCC's out = 0  CCC's out = 0
    rm29307.D  lviPCBGRM695A.M        Tue Nov 12 23:57:01 2024
```

10.9.23 10

Continuing Calibration Summary

Job Number: JE1536 **Sample:** GRM722-CC695
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** RM30401.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Signal #1 : X:\Dayton SVOA GC\8...._2\rm30401.D\ECD1A.ch Vial: 77
Signal #2 : X:\Dayton SVOA GC\8. GC ...M722_2\rm30401.D\ECD2B.ch
Acq On : 10 Dec 2024 07:26 am Operator: mahalial
Sample : cc695-50 Inst : GCRM
Misc : op59828,grm722,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : X:\Dayton SVOA G...\lviPCBGRM695A.M (ChemStation Integrator)
Title :
Last Update : Tue Dec 10 00:19:01 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	103.531	122.357 E6	-18.2	119	0.00	3.67- 3.73
2		AR1221-A		----------NA----------				
3		AR1221-B		----------NA----------				
4		AR1221-C		----------NA----------				
5		AR1221-D		----------NA----------				
6		AR1221-E		----------NA----------				
7		AR1232-A		----------NA----------				
8		AR1232-B		----------NA----------				
9		AR1232-C		----------NA----------				
10		AR1232-D		----------NA----------				
11		AR1232-E		----------NA----------				
12		AR1242-A		----------NA----------				
13		AR1242-B		----------NA----------				
14		AR1242-C		----------NA----------				
15		AR1242-D		----------NA----------				
16		AR1242-E		----------NA----------				
17		AR1248-A		----------NA----------				
18		AR1248-B		----------NA----------				
19		AR1248-C		----------NA----------				
20		AR1248-D		----------NA----------				
21		AR1248-E		----------NA----------				
22		AR1248-F		----------NA----------				
23		AR1248-G		----------NA----------				
24		AR1254-A		----------NA----------				
25		AR1254-B		----------NA----------				
26		AR1254-C		----------NA----------				
27		AR1254-D		----------NA----------				
28		AR1254-E		----------NA----------				
29		AR1254-F		----------NA----------				
30		AR1254-G		----------NA----------				
31		AR1262-A		----------NA----------				
32		AR1262-B		----------NA----------				
33		AR1262-C		----------NA----------				
34		AR1262-D		----------NA----------				
35		AR1262-E		----------NA----------				
36		AR1268-A		----------NA----------				
37		AR1268-B		----------NA----------				
38		AR1268-C		----------NA----------				
39		AR1268-D		----------NA----------				
40		AR1268-E		----------NA----------				
41		AR1016-A	1.869	2.145 E6	-14.8	117	0.00	3.95- 4.01

10.9.24
10

Continuing Calibration Summary

Job Number: JE1536 **Sample:** GRM722-CC695
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** RM30401.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

42		AR1016-B	3.643	4.268	E6	-17.2	118	0.00	4.23- 4.29
43		AR1016-C	8.006	9.235	E6	-15.4	116	0.00	4.61- 4.67
44		AR1016-D	3.240	3.593	E6	-10.9	115	0.00	4.72- 4.78
45		AR1016-E	3.325	3.766	E6	-13.3	116	0.00	5.08- 5.15
46		AR1260-A	7.046	7.406	E6	-5.1	106	0.00	6.99- 7.05
47		AR1260-B	4.859	5.130	E6	-5.6	104	0.00	7.53- 7.59
48		AR1260-C	4.275	4.603	E6	-7.7	111	0.00	7.83- 7.90
49		AR1260-D	9.866	10.158	E6	-3.0	100	0.00	8.19- 8.25
50		AR1260-E	9.221	9.551	E6	-3.6	103	0.00	8.48- 8.54
51	S	Decachlorobiphenyl	51.708	49.990	E6	3.3	99	0.00	9.47- 9.54
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	73.332	86.629	E6	-18.1	124	0.00	4.17- 4.23
2		AR1221-A		----------NA----------					
3		AR1221-B		----------NA----------					
4		AR1221-C		----------NA----------					
5		AR1221-D		----------NA----------					
6		AR1221-E		----------NA----------					
7		AR1232-A		----------NA----------					
8		AR1232-B		----------NA----------					
9		AR1232-C		----------NA----------					
10		AR1232-D		----------NA----------					
11		AR1232-E		----------NA----------					
12		AR1242-A		----------NA----------					
13		AR1242-B		----------NA----------					
14		AR1242-C		----------NA----------					
15		AR1242-D		----------NA----------					
16		AR1242-E		----------NA----------					
17		AR1248-A		----------NA----------					
18		AR1248-B		----------NA----------					
19		AR1248-C		----------NA----------					
20		AR1248-D		----------NA----------					
21		AR1248-E		----------NA----------					
22		AR1248-F		----------NA----------					
23		AR1248-G		----------NA----------					
24		AR1254-A		----------NA----------					
25		AR1254-B		----------NA----------					
26		AR1254-C		----------NA----------					
27		AR1254-D		----------NA----------					
28		AR1254-E		----------NA----------					
29		AR1254-F		----------NA----------					
30		AR1254-G		----------NA----------					
31		AR1262-A		----------NA----------					
32		AR1262-B		----------NA----------					
33		AR1262-C		----------NA----------					
34		AR1262-D		----------NA----------					
35		AR1262-E		----------NA----------					
36		AR1268-A		----------NA----------					
37		AR1268-B		----------NA----------					
38		AR1268-C		----------NA----------					
39		AR1268-D		----------NA----------					
40		AR1268-E		----------NA----------					
41		AR1016-A	1.336	1.538	E6	-15.1	119	0.00	4.61- 4.67
42		AR1016-B	2.792	3.084	E6	-10.5	117	0.00	4.99- 5.05
43		AR1016-C	5.894	6.628	E6	-12.5	185#	0.00	5.49- 5.55
44		AR1016-D	2.486	2.877	E6	-15.7	124	0.00	5.65- 5.71
45		AR1016-E	1.260	1.461	E6	-16.0	118	0.00	5.95- 6.01
46		AR1260-A	4.936	5.302	E6	-7.4	110	0.00	8.31- 8.37
47		AR1260-B	4.078	3.994	E6	2.1	101	0.00	8.78- 8.84

Continuing Calibration Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRM722-CC695
Lab FileID: RM30401.D

48		AR1260-C	3.702	3.790	E6	-2.4	106	0.00	9.06- 9.12
49		AR1260-D	8.166	8.493	E6	-4.0	104	0.00	9.27- 9.33
50		AR1260-E	7.690	7.349	E6	4.4	100	0.00	9.59- 9.65
51	S	Decachlorobiphenyl	45.295	41.904	E6	7.5	94	0.00	10.50-10.56

(#) = Out of Range SPCC's out = 0 CCC's out = 0
rm29287.D lviPCBGRM695A.M Tue Dec 10 19:48:33 2024

10.9.24
10

Continuing Calibration Summary

Job Number: JE1536 **Sample:** GRM722-CC695
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** RM30416.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Signal #1 : X:\Dayton SVOA GC\8...._2\rm30416.D\ECD1A.ch Vial: 89
Signal #2 : X:\Dayton SVOA GC\8. GC ...M722_2\rm30416.D\ECD2B.ch
Acq On : 10 Dec 2024 02:18 pm Operator: mahalial
Sample : cc695-100 Inst : GCRM
Misc : op59855,grm722,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : X:\Dayton SVOA G...\lviPCBGRM695A.M (ChemStation Integrator)
Title :
Last Update : Tue Dec 10 00:19:01 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	103.531	120.998 E6	-16.9	117	0.00	3.67- 3.73
2		AR1221-A		----------NA----------				
3		AR1221-B		----------NA----------				
4		AR1221-C		----------NA----------				
5		AR1221-D		----------NA----------				
6		AR1221-E		----------NA----------				
7		AR1232-A		----------NA----------				
8		AR1232-B		----------NA----------				
9		AR1232-C		----------NA----------				
10		AR1232-D		----------NA----------				
11		AR1232-E		----------NA----------				
12		AR1242-A		----------NA----------				
13		AR1242-B		----------NA----------				
14		AR1242-C		----------NA----------				
15		AR1242-D		----------NA----------				
16		AR1242-E		----------NA----------				
17		AR1248-A		----------NA----------				
18		AR1248-B		----------NA----------				
19		AR1248-C		----------NA----------				
20		AR1248-D		----------NA----------				
21		AR1248-E		----------NA----------				
22		AR1248-F		----------NA----------				
23		AR1248-G		----------NA----------				
24		AR1254-A		----------NA----------				
25		AR1254-B		----------NA----------				
26		AR1254-C		----------NA----------				
27		AR1254-D		----------NA----------				
28		AR1254-E		----------NA----------				
29		AR1254-F		----------NA----------				
30		AR1254-G		----------NA----------				
31		AR1262-A		----------NA----------				
32		AR1262-B		----------NA----------				
33		AR1262-C		----------NA----------				
34		AR1262-D		----------NA----------				
35		AR1262-E		----------NA----------				
36		AR1268-A		----------NA----------				
37		AR1268-B		----------NA----------				
38		AR1268-C		----------NA----------				
39		AR1268-D		----------NA----------				
40		AR1268-E		----------NA----------				
41		AR1016-A	1.869	2.288 E6	-22.4#	132	0.00	3.95- 4.01

10.9.25
10

Continuing Calibration Summary

Job Number: JE1536 **Sample:** GRM722-CC695
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** RM30416.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

42		AR1016-B	3.643	4.042	E6	-11.0	117	0.00	4.23- 4.29
43		AR1016-C	8.006	8.968	E6	-12.0	117	0.00	4.61- 4.67
44		AR1016-D	3.240	3.496	E6	-7.9	112	0.00	4.72- 4.78
45		AR1016-E	3.325	3.651	E6	-9.8	117	0.00	5.08- 5.15
46		AR1260-A	7.046	7.780	E6	-10.4	113	0.00	6.99- 7.05
47		AR1260-B	4.859	5.371	E6	-10.5	111	0.00	7.54- 7.60
48		AR1260-C	4.275	4.712	E6	-10.2	112	0.00	7.84- 7.91
49		AR1260-D	9.866	11.229	E6	-13.8	110	0.00	8.19- 8.25
50		AR1260-E	9.221	9.676	E6	-4.9	108	0.00	8.49- 8.55
51	S	Decachlorobiphenyl	51.708	50.505	E6	2.3	107	0.00	9.48- 9.55
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	73.332	86.674	E6	-18.2	118	0.00	4.17- 4.23
2		AR1221-A		----------NA----------					
3		AR1221-B		----------NA----------					
4		AR1221-C		----------NA----------					
5		AR1221-D		----------NA----------					
6		AR1221-E		----------NA----------					
7		AR1232-A		----------NA----------					
8		AR1232-B		----------NA----------					
9		AR1232-C		----------NA----------					
10		AR1232-D		----------NA----------					
11		AR1232-E		----------NA----------					
12		AR1242-A		----------NA----------					
13		AR1242-B		----------NA----------					
14		AR1242-C		----------NA----------					
15		AR1242-D		----------NA----------					
16		AR1242-E		----------NA----------					
17		AR1248-A		----------NA----------					
18		AR1248-B		----------NA----------					
19		AR1248-C		----------NA----------					
20		AR1248-D		----------NA----------					
21		AR1248-E		----------NA----------					
22		AR1248-F		----------NA----------					
23		AR1248-G		----------NA----------					
24		AR1254-A		----------NA----------					
25		AR1254-B		----------NA----------					
26		AR1254-C		----------NA----------					
27		AR1254-D		----------NA----------					
28		AR1254-E		----------NA----------					
29		AR1254-F		----------NA----------					
30		AR1254-G		----------NA----------					
31		AR1262-A		----------NA----------					
32		AR1262-B		----------NA----------					
33		AR1262-C		----------NA----------					
34		AR1262-D		----------NA----------					
35		AR1262-E		----------NA----------					
36		AR1268-A		----------NA----------					
37		AR1268-B		----------NA----------					
38		AR1268-C		----------NA----------					
39		AR1268-D		----------NA----------					
40		AR1268-E		----------NA----------					
41		AR1016-A	1.336	1.439	E6	-7.7	116	0.00	4.61- 4.67
42		AR1016-B	2.792	2.950	E6	-5.7	115	0.00	4.99- 5.05
43		AR1016-C	5.894	6.432	E6	-9.1	111	0.00	5.49- 5.55
44		AR1016-D	2.486	2.699	E6	-8.6	119	0.00	5.65- 5.71
45		AR1016-E	1.260	1.381	E6	-9.6	115	0.00	5.95- 6.01
46		AR1260-A	4.936	5.185	E6	-5.0	108	0.00	8.31- 8.37
47		AR1260-B	4.078	4.125	E6	-1.2	105	0.00	8.78- 8.84

Continuing Calibration Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRM722-CC695
Lab FileID: RM30416.D

48		AR1260-C	3.702	3.884	E6	-4.9	108	0.00	9.06- 9.12
49		AR1260-D	8.166	8.762	E6	-7.3	106	0.00	9.27- 9.33
50		AR1260-E	7.690	7.658	E6	0.4	103	0.00	9.59- 9.65
51	S	Decachlorobiphenyl	45.295	42.077	E6	7.1	97	0.00	10.51-10.57

(#) = Out of Range SPCC's out = 0 CCC's out = 0
rm30171.D lviPCBGRM695A.M Tue Dec 10 21:45:57 2024

10.9.25 10

Continuing Calibration Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRM722-CC695
Lab FileID: RM30433.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\msdchem\1\data\ma..._2\rm30433.D\ECD1A.ch Vial: 103
Signal #2 : C:\msdchem\1\data\maryan...m722_2\rm30433.D\ECD2B.ch
Acq On    : 10 Dec 2024  10:45 pm                    Operator: mahalial
Sample    : cc695-50                                 Inst    : GCRM
Misc      : op59855,grm722,5.0,,,10,1                Multiplr: 1.00
IntFile Signal #1: autoint1.e   IntFile Signal #2: autoint2.e

Method       : C:\msdchem\1\dat...\lviPCBGRM695A.M (ChemStation Integrator)
Title        :
Last Update  : Tue Dec 10 00:19:01 2024
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.10min
Max. RRF Dev :  20%     Max. Rel. Area : 150%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	103.531	118.856 E6	-14.8	115	0.00	3.67- 3.73
2		AR1221-A		----------NA----------				
3		AR1221-B		----------NA----------				
4		AR1221-C		----------NA----------				
5		AR1221-D		----------NA----------				
6		AR1221-E		----------NA----------				
7		AR1232-A		----------NA----------				
8		AR1232-B		----------NA----------				
9		AR1232-C		----------NA----------				
10		AR1232-D		----------NA----------				
11		AR1232-E		----------NA----------				
12		AR1242-A		----------NA----------				
13		AR1242-B		----------NA----------				
14		AR1242-C		----------NA----------				
15		AR1242-D		----------NA----------				
16		AR1242-E		----------NA----------				
17		AR1248-A		----------NA----------				
18		AR1248-B		----------NA----------				
19		AR1248-C		----------NA----------				
20		AR1248-D		----------NA----------				
21		AR1248-E		----------NA----------				
22		AR1248-F		----------NA----------				
23		AR1248-G		----------NA----------				
24		AR1254-A		----------NA----------				
25		AR1254-B		----------NA----------				
26		AR1254-C		----------NA----------				
27		AR1254-D		----------NA----------				
28		AR1254-E		----------NA----------				
29		AR1254-F		----------NA----------				
30		AR1254-G		----------NA----------				
31		AR1262-A		----------NA----------				
32		AR1262-B		----------NA----------				
33		AR1262-C		----------NA----------				
34		AR1262-D		----------NA----------				
35		AR1262-E		----------NA----------				
36		AR1268-A		----------NA----------				
37		AR1268-B		----------NA----------				
38		AR1268-C		----------NA----------				
39		AR1268-D		----------NA----------				
40		AR1268-E		----------NA----------				
41		AR1016-A	1.869	2.174 E6	-16.3	118	0.00	3.95- 4.01

10.9.26 10

Continuing Calibration Summary

Job Number: JE1536 **Sample:** GRM722-CC695
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** RM30433.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

42		AR1016-B	3.643	4.301	E6	-18.1	119	0.00	4.23- 4.29
43		AR1016-C	8.006	9.538	E6	-19.1	120	0.00	4.61- 4.67
44		AR1016-D	3.240	3.703	E6	-14.3	119	0.00	4.72- 4.78
45		AR1016-E	3.325	3.846	E6	-15.7	118	0.00	5.08- 5.15
46		AR1260-A	7.046	8.178	E6	-16.1	117	0.00	6.99- 7.05
47		AR1260-B	4.859	5.458	E6	-12.3	111	0.00	7.53- 7.59
48		AR1260-C	4.275	4.712	E6	-10.2	113	0.00	7.83- 7.90
49		AR1260-D	9.866	11.142	E6	-12.9	110	0.00	8.19- 8.25
50		AR1260-E	9.221	9.745	E6	-5.7	105	0.00	8.48- 8.54
51	S	Decachlorobiphenyl	51.708	54.171	E6	-4.8	107	0.00	9.48- 9.55
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	73.332	88.835	E6	-21.1#	127	0.00	4.17- 4.23
2		AR1221-A		----------NA----------					
3		AR1221-B		----------NA----------					
4		AR1221-C		----------NA----------					
5		AR1221-D		----------NA----------					
6		AR1221-E		----------NA----------					
7		AR1232-A		----------NA----------					
8		AR1232-B		----------NA----------					
9		AR1232-C		----------NA----------					
10		AR1232-D		----------NA----------					
11		AR1232-E		----------NA----------					
12		AR1242-A		----------NA----------					
13		AR1242-B		----------NA----------					
14		AR1242-C		----------NA----------					
15		AR1242-D		----------NA----------					
16		AR1242-E		----------NA----------					
17		AR1248-A		----------NA----------					
18		AR1248-B		----------NA----------					
19		AR1248-C		----------NA----------					
20		AR1248-D		----------NA----------					
21		AR1248-E		----------NA----------					
22		AR1248-F		----------NA----------					
23		AR1248-G		----------NA----------					
24		AR1254-A		----------NA----------					
25		AR1254-B		----------NA----------					
26		AR1254-C		----------NA----------					
27		AR1254-D		----------NA----------					
28		AR1254-E		----------NA----------					
29		AR1254-F		----------NA----------					
30		AR1254-G		----------NA----------					
31		AR1262-A		----------NA----------					
32		AR1262-B		----------NA----------					
33		AR1262-C		----------NA----------					
34		AR1262-D		----------NA----------					
35		AR1262-E		----------NA----------					
36		AR1268-A		----------NA----------					
37		AR1268-B		----------NA----------					
38		AR1268-C		----------NA----------					
39		AR1268-D		----------NA----------					
40		AR1268-E		----------NA----------					
41		AR1016-A	1.336	1.617	E6	-21.0#	126	0.00	4.61- 4.67
42		AR1016-B	2.792	3.164	E6	-13.3	120	0.00	4.99- 5.05
43		AR1016-C	5.894	7.062	E6	-19.8	197#	0.00	5.49- 5.55
44		AR1016-D	2.486	2.995	E6	-20.5#	129	0.00	5.65- 5.71
45		AR1016-E	1.260	1.462	E6	-16.0	118	0.00	5.95- 6.01
46		AR1260-A	4.936	5.301	E6	-7.4	110	0.00	8.31- 8.37
47		AR1260-B	4.078	4.225	E6	-3.6	107	0.00	8.78- 8.84

Continuing Calibration Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: GRM722-CC695
Lab FileID: RM30433.D

48		AR1260-C	3.702	3.829	E6	-3.4	107	0.00	9.06- 9.12
49		AR1260-D	8.166	8.716	E6	-6.7	106	0.00	9.27- 9.33
50		AR1260-E	7.690	7.814	E6	-1.6	106	0.00	9.59- 9.65
51	S	Decachlorobiphenyl	45.295	44.881	E6	0.9	100	0.00	10.50-10.56

(#) = Out of Range SPCC's out = 0 CCC's out = 0
rm29287.D lviPCBGRM695A.M Wed Dec 11 06:50:57 2024

10.9.26 10

Run Sequence Report

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: G4G4506	**Method:** SW846 8081B	**Instrument ID:** GC4G

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G4G4506-DDT	4G9741753.D	11/25/24 15:37	n/a	DDT/Endrin Breakdown Check
G4G4506-IC4506	4G9741755.D	11/25/24 16:24	n/a	Initial cal 0.1
G4G4506-IC4506	4G9741756.D	11/25/24 16:47	n/a	Initial cal 0.2
G4G4506-IC4506	4G9741757.D	11/25/24 17:10	n/a	Initial cal 0.5
G4G4506-IC4506	4G9741758.D	11/25/24 17:33	n/a	Initial cal 1
G4G4506-ICC4506	4G9741759.D	11/25/24 17:56	n/a	Initial cal 2.5
G4G4506-IC4506	4G9741760.D	11/25/24 18:19	n/a	Initial cal 5
G4G4506-IC4506	4G9741761.D	11/25/24 18:41	n/a	Initial cal 7.5
G4G4506-IC4506	4G9741762.D	11/25/24 19:04	n/a	Initial cal 10
G4G4506-ICV4506	4G9741763.D	11/25/24 19:27	n/a	Initial cal verification 2.5
G4G4506-IC4506	4G9741764.D	11/25/24 19:50	n/a	Initial cal 50
G4G4506-ICV4506	4G9741765.D	11/25/24 20:13	n/a	Initial cal verification 50
G4G4506-IC4506	4G9741766.D	11/25/24 20:36	n/a	Initial cal 50
G4G4506-ICV4506	4G9741767.D	11/25/24 20:59	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: G4G4521 **Method:** SW846 8081B **Instrument ID:** GC4G

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G4G4521-DDT	4G9742081.D	12/07/24 05:49	n/a	DDT/Endrin Breakdown Check
G4G4521-CC4506	4G9742082.D	12/07/24 06:13	n/a	Continuing cal 2.5
OP59920-BS1	4G9742084.D	12/07/24 07:01	OP59920	Blank Spike
OP59920-MS	4G9742085.D	12/07/24 07:25	OP59920	Matrix Spike
OP59920-LS52	4G9742085.D	12/07/24 07:25	OP59920	Leachate Spike
OP59920-MSD	4G9742086.D	12/07/24 07:49	OP59920	Matrix Spike Duplicate
G4G4521-CC4506	4G9742087.D	12/07/24 08:13	n/a	Continuing cal 5
OP59854-MB1	4G9742089.D	12/07/24 09:01	OP59854	Method Blank
OP59854-BS1	4G9742090.D	12/07/24 09:25	OP59854	Blank Spike
OP59854-MS	4G9742091.D	12/07/24 09:49	OP59854	Matrix Spike
OP59854-MSD	4G9742092.D	12/07/24 10:13	OP59854	Matrix Spike Duplicate
JE1510-1	4G9742093.D	12/07/24 10:37	OP59854	(used for QC only; not part of job JE1536)
ZZZZZZ	4G9742094.D	12/07/24 11:02	OP59854	(unrelated sample)
ZZZZZZ	4G9742095.D	12/07/24 11:26	OP59854	(unrelated sample)
ZZZZZZ	4G9742096.D	12/07/24 11:50	OP59854	(unrelated sample)
ZZZZZZ	4G9742099.D	12/07/24 13:02	OP59854	(unrelated sample)
JE1536-1	4G9742100.D	12/07/24 13:26	OP59854	GRID-29
JE1536-5	4G9742104.D	12/07/24 15:02	OP59854	GRID-33
JE1536-6	4G9742105.D	12/07/24 15:26	OP59854	GRID-34
JE1536-7	4G9742106.D	12/07/24 15:50	OP59854	GRID-35
JE1536-8	4G9742107.D	12/07/24 16:15	OP59854	GRID-36
ZZZZZZ	4G9742108.D	12/07/24 16:39	OP59854	(unrelated sample)

Run Sequence Report

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: G4G4522	**Method:** SW846 8081B	**Instrument ID:** GC4G

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G4G4522-DDT	4G9742111.D	12/08/24 08:07	n/a	DDT/Endrin Breakdown Check
G4G4522-CC4506	4G9742112.D	12/08/24 08:32	n/a	Continuing cal 2.5
OP59859-MB1	4G9742114.D	12/08/24 09:20	OP59859	Method Blank
OP59859-MS	4G9742116.D	12/08/24 10:08	OP59859	Matrix Spike
OP59859-MSD	4G9742117.D	12/08/24 10:33	OP59859	Matrix Spike Duplicate
JE1593-1	4G9742118.D	12/08/24 10:57	OP59859	(used for QC only; not part of job JE1536)
ZZZZZZ	4G9742119.D	12/08/24 11:21	OP59859	(unrelated sample)
ZZZZZZ	4G9742120.D	12/08/24 11:44	OP59859	(unrelated sample)
ZZZZZZ	4G9742121.D	12/08/24 12:08	OP59859	(unrelated sample)
ZZZZZZ	4G9742122.D	12/08/24 12:32	OP59859	(unrelated sample)
ZZZZZZ	4G9742123.D	12/08/24 12:56	OP59859	(unrelated sample)
ZZZZZZ	4G9742124.D	12/08/24 13:19	OP59859	(unrelated sample)
ZZZZZZ	4G9742125.D	12/08/24 13:43	OP59859	(unrelated sample)
ZZZZZZ	4G9742126.D	12/08/24 14:07	OP59859	(unrelated sample)
ZZZZZZ	4G9742127.D	12/08/24 14:30	OP59859	(unrelated sample)
ZZZZZZ	4G9742128.D	12/08/24 14:54	OP59859	(unrelated sample)
ZZZZZZ	4G9742129.D	12/08/24 15:18	OP59859	(unrelated sample)
ZZZZZZ	4G9742130.D	12/08/24 15:41	OP59859	(unrelated sample)
ZZZZZZ	4G9742131.D	12/08/24 16:05	OP59859	(unrelated sample)

Run Sequence Report

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: G6G3879	**Method:** SW846 8081B	**Instrument ID:** GC6G

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G6G3879-DDT	6G103139.D	12/06/24 11:12	n/a	DDT/Endrin Breakdown Check
G6G3879-IC3879	6G103142.D	12/06/24 12:15	n/a	Initial cal 0.1
G6G3879-IC3879	6G103143.D	12/06/24 12:36	n/a	Initial cal 0.2
G6G3879-IC3879	6G103144.D	12/06/24 12:56	n/a	Initial cal 0.5
G6G3879-IC3879	6G103145.D	12/06/24 13:17	n/a	Initial cal 1
G6G3879-ICC3879	6G103146.D	12/06/24 13:38	n/a	Initial cal 2.5
G6G3879-IC3879	6G103148.D	12/06/24 14:20	n/a	Initial cal 5
G6G3879-IC3879	6G103149.D	12/06/24 14:40	n/a	Initial cal 7.5
G6G3879-IC3879	6G103150.D	12/06/24 15:01	n/a	Initial cal 10
G6G3879-IC3879	6G103151.D	12/06/24 15:22	n/a	Initial cal 50
G6G3879-IC3879	6G103152.D	12/06/24 15:43	n/a	Initial cal 50
G6G3879-ICV3879	6G103154.D	12/06/24 16:25	n/a	Initial cal verification 50
G6G3879-ICV3879	6G103155.D	12/06/24 16:45	n/a	Initial cal verification 50
G6G3879-DDT	6G103158.D	12/07/24 05:24	n/a	DDT/Endrin Breakdown Check
G6G3879-ICV3879	6G103161.D	12/07/24 06:39	n/a	Initial cal verification 2.5

Run Sequence Report

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: G6G3881 **Method:** SW846 8081B **Instrument ID:** GC6G

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G6G3881-DDT	6G103195.D	12/09/24 18:02	n/a	DDT/Endrin Breakdown Check
G6G3881-CC3879	6G103196.D	12/09/24 18:23	n/a	Continuing cal 5
OP59859-MB1	6G103198.D	12/09/24 19:05	OP59859	Method Blank
OP59859-BS1	6G103199.D	12/09/24 19:26	OP59859	Blank Spike
ZZZZZZ	6G103200.D	12/09/24 19:47	OP59833	(unrelated sample)
ZZZZZZ	6G103201.D	12/09/24 20:08	OP59629	(unrelated sample)
ZZZZZZ	6G103202.D	12/09/24 20:29	OP59629	(unrelated sample)
ZZZZZZ	6G103204.D	12/09/24 21:11	OP59742	(unrelated sample)
ZZZZZZ	6G103205.D	12/09/24 21:32	OP59854	(unrelated sample)
ZZZZZZ	6G103206.D	12/09/24 21:53	OP59854	(unrelated sample)
JE1536-2	6G103207.D	12/09/24 22:14	OP59854	GRID-30

Run Sequence Report

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: G6G3882	**Method:** SW846 8081B	**Instrument ID:** GC6G

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G6G3882-DDT	6G103212.D	12/10/24 01:56	n/a	DDT/Endrin Breakdown Check
G6G3882-CC3879	6G103213.D	12/10/24 02:17	n/a	Continuing cal 2.5
OP59856-MB1	6G103215.D	12/10/24 10:36	OP59856	Method Blank
OP59856-BS1	6G103216.D	12/10/24 10:57	OP59856	Blank Spike
OP59856-BSD	6G103217.D	12/10/24 11:18	OP59856	Blank Spike Duplicate
JE1639-1	6G103220.D	12/10/24 12:21	OP59856	(used for QC only; not part of job JE1536)
OP59856-MS	6G103221.D	12/10/24 12:42	OP59856	Matrix Spike
OP59856-MSD	6G103222.D	12/10/24 13:03	OP59856	Matrix Spike Duplicate
ZZZZZZ	6G103223.D	12/10/24 13:24	OP59856	(unrelated sample)
ZZZZZZ	6G103224.D	12/10/24 13:45	OP59856	(unrelated sample)

Run Sequence Report

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: G6G3884	**Method:** SW846 8081B	**Instrument ID:** GC6G

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G6G3884-DDT	6G103254.D	12/11/24 02:28	n/a	DDT/Endrin Breakdown Check
G6G3884-CC3879	6G103255.D	12/11/24 02:49	n/a	Continuing cal 2.5
OP59924-MB1	6G103257.D	12/11/24 03:31	OP59924	Method Blank
OP59924-BS1	6G103258.D	12/11/24 03:52	OP59924	Blank Spike
OP59924-BSD	6G103259.D	12/11/24 04:13	OP59924	Blank Spike Duplicate
OP59924-LB52	6G103260.D	12/11/24 04:34	OP59924	Leachate Blank
OP59924-MS	6G103261.D	12/11/24 04:55	OP59924	Matrix Spike
OP59924-LS52	6G103261.D	12/11/24 04:55	OP59924	Leachate Spike
OP59924-MSD	6G103262.D	12/11/24 05:17	OP59924	Matrix Spike Duplicate
ZZZZZZ	6G103263.D	12/11/24 05:38	OP59924	(unrelated sample)
ZZZZZZ	6G103264.D	12/11/24 05:59	OP59924	(unrelated sample)
JE1493-5	6G103265.D	12/11/24 06:20	OP59924	(used for QC only; not part of job JE1536)
ZZZZZZ	6G103266.D	12/11/24 06:41	OP59924	(unrelated sample)
ZZZZZZ	6G103267.D	12/11/24 07:02	OP59924	(unrelated sample)
ZZZZZZ	6G103268.D	12/11/24 07:23	OP59924	(unrelated sample)
ZZZZZZ	6G103269.D	12/11/24 07:44	OP59924	(unrelated sample)
ZZZZZZ	6G103270.D	12/11/24 08:05	OP59924	(unrelated sample)
ZZZZZZ	6G103271.D	12/11/24 08:26	OP59924	(unrelated sample)
ZZZZZZ	6G103272.D	12/11/24 08:46	OP59924	(unrelated sample)
ZZZZZZ	6G103273.D	12/11/24 09:07	OP59924	(unrelated sample)
ZZZZZZ	6G103274.D	12/11/24 09:28	OP59924	(unrelated sample)
ZZZZZZ	6G103275.D	12/11/24 09:49	OP59924	(unrelated sample)
JE1536-3	6G103278.D	12/11/24 10:52	OP59854	GRID-31
JE1536-4	6G103280.D	12/11/24 11:34	OP59854	GRID-32
ZZZZZZ	6G103281.D	12/11/24 11:55	OP59952	(unrelated sample)
ZZZZZZ	6G103282.D	12/11/24 12:16	OP59952	(unrelated sample)
ZZZZZZ	6G103283.D	12/11/24 12:36	OP59952	(unrelated sample)
ZZZZZZ	6G103284.D	12/11/24 12:57	OP59856	(unrelated sample)
ZZZZZZ	6G103285.D	12/11/24 13:18	OP59856	(unrelated sample)

Run Sequence Report

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: G6G3885	**Method:** SW846 8081B	**Instrument ID:** GC6G

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G6G3885-DDT	6G103289.D	12/11/24 17:23	n/a	DDT/Endrin Breakdown Check
G6G3885-CC3879	6G103291A.D	12/11/24 18:05	n/a	Continuing cal 2.5
OP59956-MB1	6G103293.D	12/11/24 18:46	OP59956	Method Blank
OP59956-BS1	6G103294.D	12/11/24 19:07	OP59956	Blank Spike
OP59956-BSD	6G103295.D	12/11/24 19:28	OP59956	Blank Spike Duplicate
OP59956-MS	6G103296.D	12/11/24 19:48	OP59956	Matrix Spike
OP59956-MSD	6G103297.D	12/11/24 20:09	OP59956	Matrix Spike Duplicate
JE1776-2	6G103298.D	12/11/24 20:30	OP59956	(used for QC only; not part of job JE1536)
ZZZZZZ	6G103299.D	12/11/24 20:51	OP59956	(unrelated sample)
ZZZZZZ	6G103300.D	12/11/24 21:11	OP59956	(unrelated sample)
ZZZZZZ	6G103301.D	12/11/24 21:32	OP59956	(unrelated sample)
ZZZZZZ	6G103302.D	12/11/24 21:53	OP59956	(unrelated sample)
ZZZZZZ	6G103303.D	12/11/24 22:13	OP59956	(unrelated sample)
ZZZZZZ	6G103304.D	12/11/24 22:34	OP59956	(unrelated sample)
ZZZZZZ	6G103305.D	12/11/24 22:55	OP59956	(unrelated sample)
ZZZZZZ	6G103306.D	12/11/24 23:16	OP59956	(unrelated sample)
ZZZZZZ	6G103307.D	12/11/24 23:36	OP59956	(unrelated sample)
ZZZZZZ	6G103308.D	12/11/24 23:57	OP59956	(unrelated sample)

Run Sequence Report

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: GRM695	**Method:** SW846 8082A	**Instrument ID:** GCRM

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
GRM695-IC695	RM29284.D	11/12/24 10:04	n/a	Initial cal 5
GRM695-IC695	RM29285.D	11/12/24 10:27	n/a	Initial cal 10
GRM695-IC695	RM29286.D	11/12/24 10:50	n/a	Initial cal 25
GRM695-IC695	RM29287.D	11/12/24 11:13	n/a	Initial cal 50
GRM695-ICC695	RM29288.D	11/12/24 11:36	n/a	Initial cal 100
GRM695-IC695	RM29289.D	11/12/24 11:59	n/a	Initial cal 200
GRM695-IC695	RM29290.D	11/12/24 12:22	n/a	Initial cal 300
GRM695-IC695	RM29291.D	11/12/24 12:45	n/a	Initial cal 500
GRM695-IC695	RM29292.D	11/12/24 13:08	n/a	Initial cal 1000
GRM695-IC695	RM29293.D	11/12/24 13:31	n/a	Initial cal 2000
GRM695-IC695	RM29295.D	11/12/24 14:16	n/a	Initial cal 100
GRM695-IC695	RM29296.D	11/12/24 14:39	n/a	Initial cal 100
GRM695-IC695	RM29297.D	11/12/24 15:02	n/a	Initial cal 100
GRM695-IC695	RM29298.D	11/12/24 15:25	n/a	Initial cal 100
GRM695-IC695	RM29300.D	11/12/24 16:10	n/a	Initial cal 100
GRM695-ICV695	RM29301.D	11/12/24 16:33	n/a	Initial cal verification 100
GRM695-IC695	RM29302.D	11/12/24 16:56	n/a	Initial cal 100
GRM695-ICV695	RM29303.D	11/12/24 17:19	n/a	Initial cal verification 100
GRM695-ICV695	RM29304.D	11/12/24 17:42	n/a	Initial cal verification 100
GRM695-ICV695	RM29305.D	11/12/24 18:05	n/a	Initial cal verification 100
GRM695-ICV695	RM29306.D	11/12/24 18:27	n/a	Initial cal verification 100
GRM695-IC695	RM29307.D	11/12/24 18:50	n/a	Initial cal 100
GRM695-ICV695	RM29308.D	11/12/24 19:13	n/a	Initial cal verification 100
GRM695-ICV695	RM29313A.D	11/12/24 22:49	n/a	Initial cal verification 100
GRM695-ICV695	RM29314.D	11/12/24 23:13	n/a	Initial cal verification 100

Run Sequence Report

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: GRM722	**Method:** SW846 8082A	**Instrument ID:** GCRM

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
GRM722-CC695	RM30368.D	12/09/24 16:05	n/a	Continuing cal 50
OP59828-MB1	RM30370.D	12/09/24 17:27	OP59828	Method Blank
OP59828-BS1	RM30371.D	12/09/24 17:53	OP59828	Blank Spike
OP59828-BSD	RM30372.D	12/09/24 18:21	OP59828	Blank Spike Duplicate
ZZZZZZ	RM30373.D	12/09/24 18:50	OP59828	(unrelated sample)
ZZZZZZ	RM30376.D	12/09/24 20:16	OP59828	(unrelated sample)
ZZZZZZ	RM30378.D	12/09/24 21:12	OP59828	(unrelated sample)
GRM722-CC695	RM30384.D	12/09/24 23:57	n/a	Continuing cal 100
ZZZZZZ	RM30390.D	12/10/24 02:38	OP59828	(unrelated sample)
ZZZZZZ	RM30391.D	12/10/24 03:04	OP59828	(unrelated sample)
ZZZZZZ	RM30392.D	12/10/24 03:30	OP59828	(unrelated sample)
ZZZZZZ	RM30393.D	12/10/24 03:56	OP59828	(unrelated sample)
ZZZZZZ	RM30394.D	12/10/24 04:22	OP59828	(unrelated sample)
ZZZZZZ	RM30395.D	12/10/24 04:49	OP59828	(unrelated sample)
ZZZZZZ	RM30396.D	12/10/24 05:15	OP59828	(unrelated sample)
ZZZZZZ	RM30397.D	12/10/24 05:41	OP59828	(unrelated sample)
ZZZZZZ	RM30398.D	12/10/24 06:07	OP59828	(unrelated sample)
GRM722-CC695	RM30401.D	12/10/24 07:26	n/a	Continuing cal 50
OP59855-MB1	RM30403.D	12/10/24 08:19	OP59855	Method Blank
OP59855-BS1	RM30404.D	12/10/24 08:45	OP59855	Blank Spike
OP59855-MS	RM30405.D	12/10/24 09:11	OP59855	Matrix Spike
OP59855-MSD	RM30406.D	12/10/24 09:38	OP59855	Matrix Spike Duplicate
JE1512-1	RM30407.D	12/10/24 10:05	OP59855	(used for QC only; not part of job JE1536)
ZZZZZZ	RM30408.D	12/10/24 10:31	OP59855	(unrelated sample)
ZZZZZZ	RM30409.D	12/10/24 10:58	OP59855	(unrelated sample)
ZZZZZZ	RM30410.D	12/10/24 11:25	OP59855	(unrelated sample)
ZZZZZZ	RM30411.D	12/10/24 11:53	OP59855	(unrelated sample)
ZZZZZZ	RM30412.D	12/10/24 12:21	OP59855	(unrelated sample)
ZZZZZZ	RM30413.D	12/10/24 12:50	OP59855	(unrelated sample)
GRM722-CC695	RM30416.D	12/10/24 14:18	n/a	Continuing cal 100
JE1536-1	RM30418.D	12/10/24 15:16	OP59855	GRID-29
JE1536-2	RM30419.D	12/10/24 15:46	OP59855	GRID-30
JE1536-3	RM30420.D	12/10/24 16:15	OP59855	GRID-31
JE1536-4	RM30421.D	12/10/24 16:45	OP59855	GRID-32
JE1536-5	RM30422.D	12/10/24 17:16	OP59855	GRID-33
JE1536-6	RM30423.D	12/10/24 17:45	OP59855	GRID-34
JE1536-7	RM30424.D	12/10/24 18:15	OP59855	GRID-35
JE1536-8	RM30425.D	12/10/24 18:45	OP59855	GRID-36
ZZZZZZ	RM30426.D	12/10/24 19:15	OP59855	(unrelated sample)
ZZZZZZ	RM30427.D	12/10/24 19:44	OP59855	(unrelated sample)
ZZZZZZ	RM30428.D	12/10/24 20:14	OP59855	(unrelated sample)
GRM722-CC695	RM30433.D	12/10/24 22:45	n/a	Continuing cal 50

GC/LC Semi-volatiles

Raw Data

Manual Integrations APPROVED (compounds with "m" flag)
Syra Marie Pacheco 12/09/24 02:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\trude\g4g4521\
Data File : 4g9742100.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Dec 2024 1:26 pm
Operator : rebeccak
Sample : je1536-1 m
Misc : op59854,g4g4521,5.05,,,10,1
ALS Vial : 65 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 09 02:27:34 2024
Quant Method : C:\msdchem\1\data\trude\g4g4521\4PSTLVI4506.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 09 01:12:57 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1)	I 1-bromo-2...	4.891	5.210	846.5E6	348.0E6	5.000m	5.000m
27)	I 1-bromo-2...	4.891	5.210	915.2E6	350.3E6	5.000m	5.000m
33)	I 1-bromo-2...	4.891	5.210	869.7E6	349.7E6	5.000m	5.000m
	System Monitoring Compounds						
2)	SAB Tetrachlo...	5.569	6.122	543.8E6	303.5E6	4.967m	4.279m
	Spiked Amount 40.000	Range 30 - 150		Recovery =		12.42%#	10.70%#
26)	SA Decachlor...	13.085	14.729	776.0E6	206.3E6	4.865m	5.136m
	Spiked Amount 40.000			Recovery =		12.16%	12.84%
	Target Compounds						
11)	B Heptachlo...	8.018	9.195	33418461	10916212	0.151m	0.124m
12)	B gamma-Chl...	8.187	9.494	106.8E6	52394465	0.463m	0.618m
13)	B alpha-Chl...	8.357	9.723	221.7E6	45732124	0.917m	0.563m
14)	A Endosulfan I	8.547	9.843f	48379872	17492292	0.211	0.223m
15)	B 4,4'-DDE	8.475	9.987	113.5E6	44350115	0.614m	0.593
16)	MA Dieldrin	8.877	10.266	58403334	24070415	0.243m	0.312
18)	A 4,4'-DDD	9.327	10.951	38511880	32897699	0.268m	0.641 #
20)	MA 4,4'-DDT	9.749	11.500	99305669	24708576	0.842m	0.769m
	SemiQuant Compounds - Not Calibrated on this Instrument						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

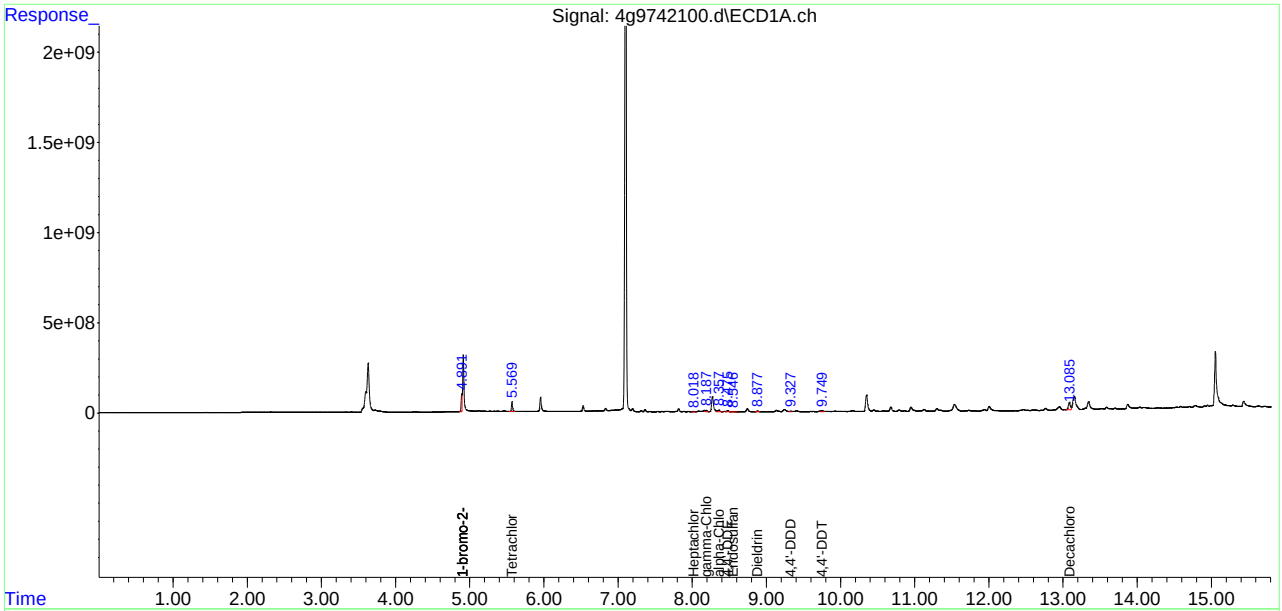
11.1.1 11

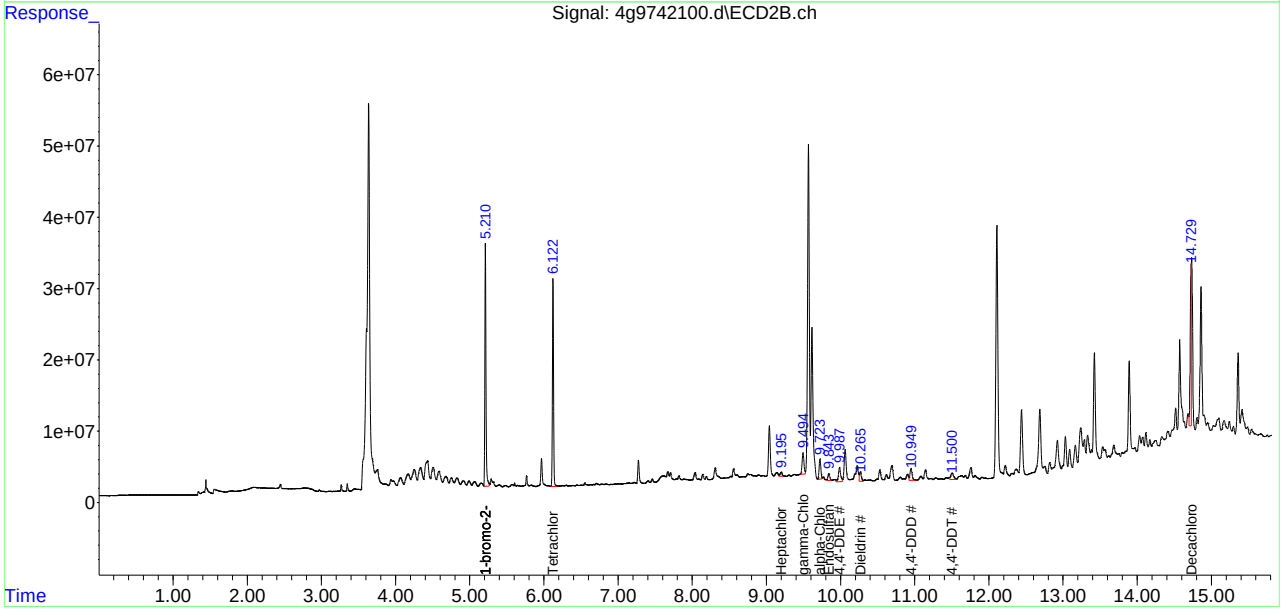
Quantitation Report (QT Reviewed)

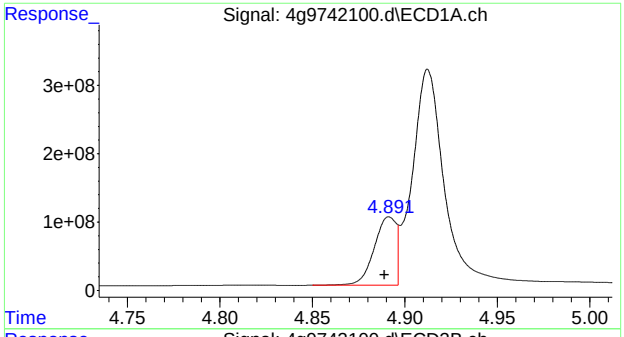
Data Path : C:\msdchem\1\data\trude\g4g4521\
Data File : 4g9742100.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Dec 2024 1:26 pm
Operator : rebeccak
Sample : je1536-1 m
Misc : op59854,g4g4521,5.05,,,10,1
ALS Vial : 65 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 09 02:27:34 2024
Quant Method : C:\msdchem\1\data\trude\g4g4521\4PSTLVI4506.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 09 01:12:57 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

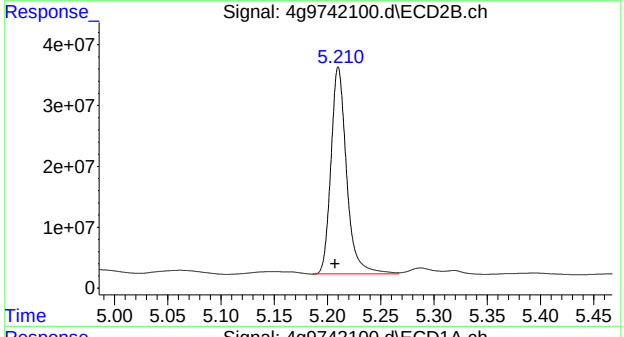






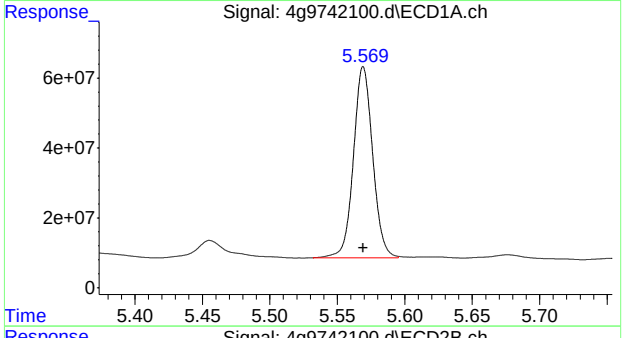
#1 1-bromo-2-nitrobenzene

R.T.: 4.891 min
Delta R.T.: 0.002 min
Response: 846540511
Conc: 5.00 PPB m



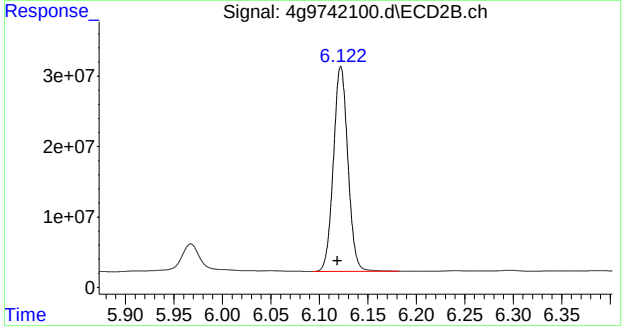
#1 1-bromo-2-nitrobenzene

R.T.: 5.210 min
Delta R.T.: 0.003 min
Response: 348035100
Conc: 5.00 PPB m



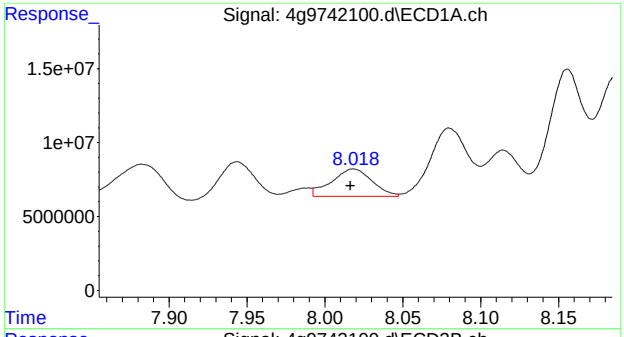
#2 Tetrachloro-m-xylene

R.T.: 5.569 min
Delta R.T.: 0.000 min
Response: 543805178
Conc: 4.97 PPB m



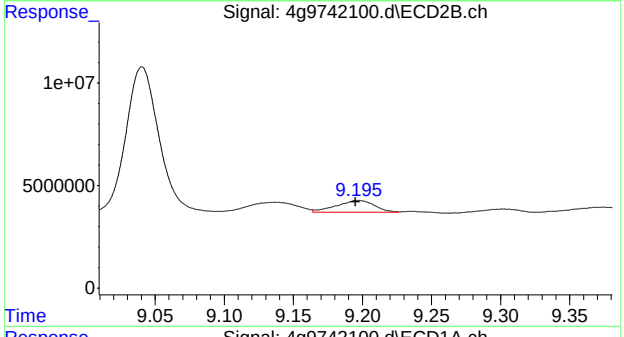
#2 Tetrachloro-m-xylene

R.T.: 6.122 min
Delta R.T.: 0.003 min
Response: 303548083
Conc: 4.28 PPB m



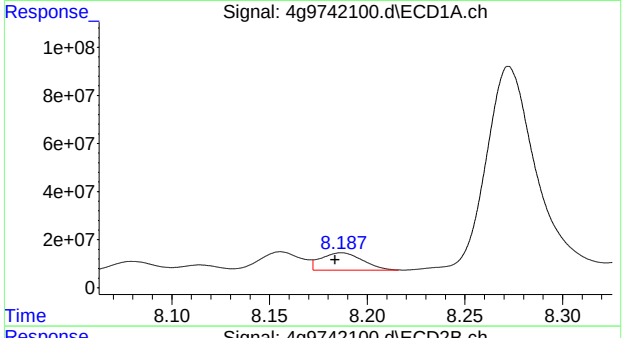
#11 Heptachlor Epoxide

R.T.: 8.018 min
Delta R.T.: 0.002 min
Response: 33418461
Conc: 0.15 PPB m



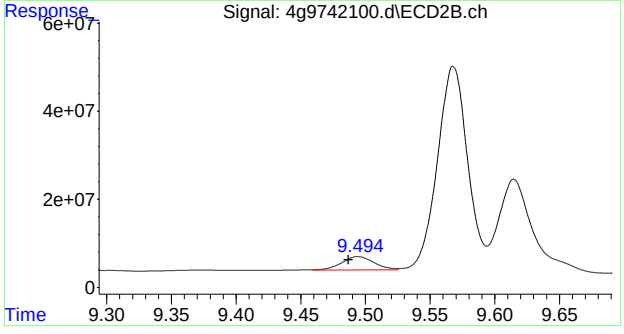
#11 Heptachlor Epoxide

R.T.: 9.195 min
Delta R.T.: 0.000 min
Response: 10916212
Conc: 0.12 PPB m



#12 gamma-Chlordane

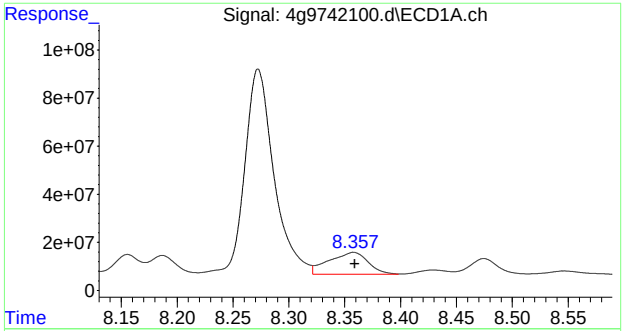
R.T.: 8.187 min
Delta R.T.: 0.003 min
Response: 106766515
Conc: 0.46 PPB m



#12 gamma-Chlordane

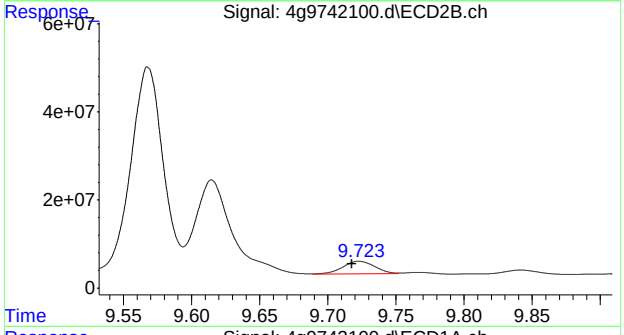
R.T.: 9.494 min
Delta R.T.: 0.007 min
Response: 52394465
Conc: 0.62 PPB m

11.1.1
11



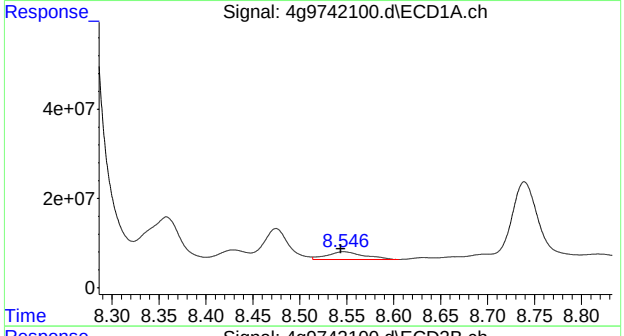
#13 alpha-Chlordane

R.T.: 8.357 min
Delta R.T.: -0.002 min
Response: 221737266
Conc: 0.92 PPB m



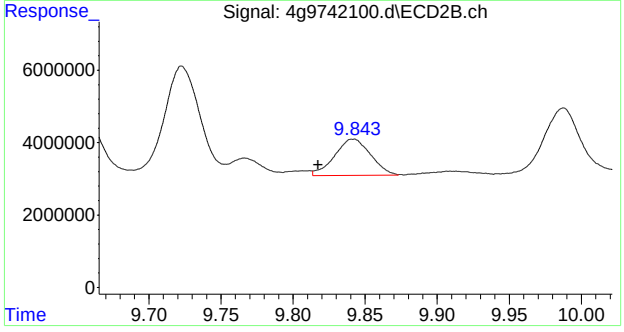
#13 alpha-Chlordane

R.T.: 9.723 min
Delta R.T.: 0.005 min
Response: 45732124
Conc: 0.56 PPB m



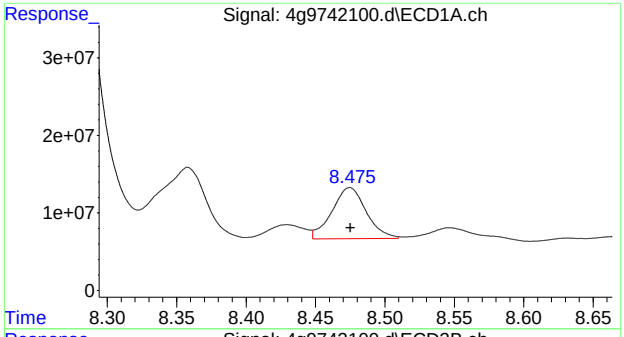
#14 Endosulfan I

R.T.: 8.547 min
Delta R.T.: 0.003 min
Response: 48379872
Conc: 0.21 PPB



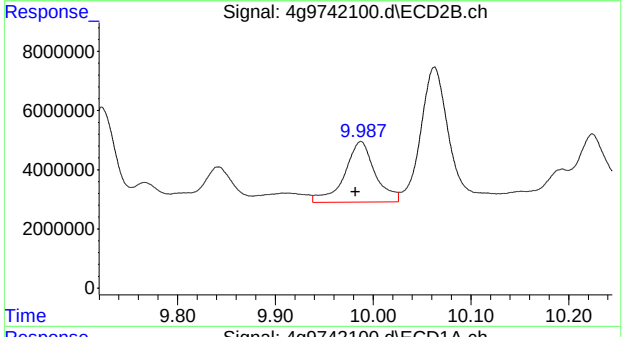
#14 Endosulfan I

R.T.: 9.843 min
Delta R.T.: 0.025 min
Response: 17492292
Conc: 0.22 PPB m



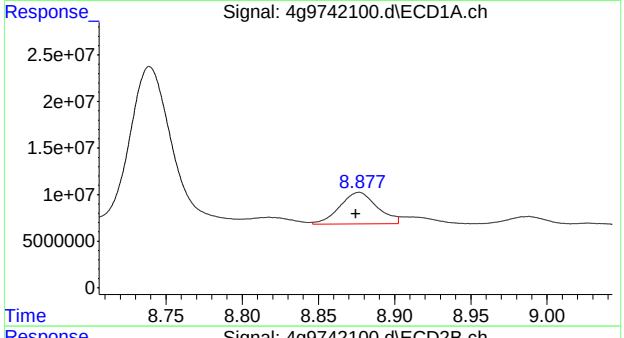
#15 4,4'-DDE

R.T.: 8.475 min
Delta R.T.: 0.000 min
Response: 113524557
Conc: 0.61 PPB m



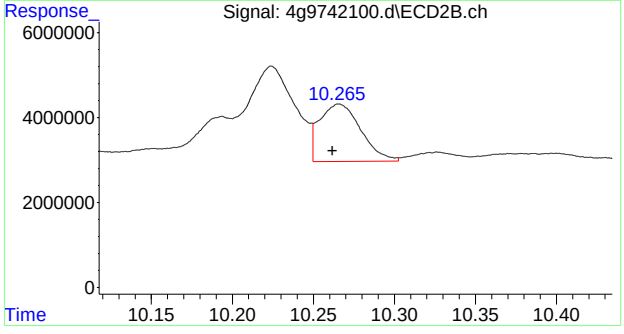
#15 4,4'-DDE

R.T.: 9.987 min
Delta R.T.: 0.006 min
Response: 44350115
Conc: 0.59 PPB



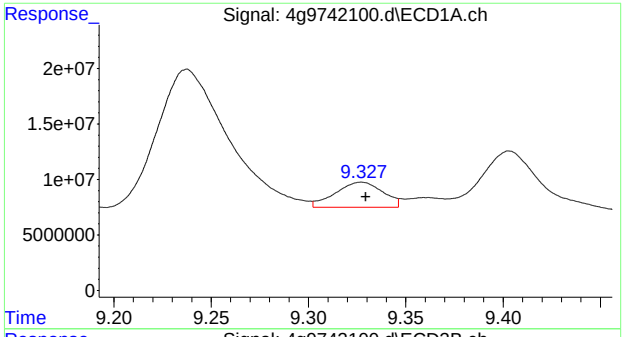
#16 Dieldrin

R.T.: 8.877 min
Delta R.T.: 0.003 min
Response: 58403334
Conc: 0.24 PPB m



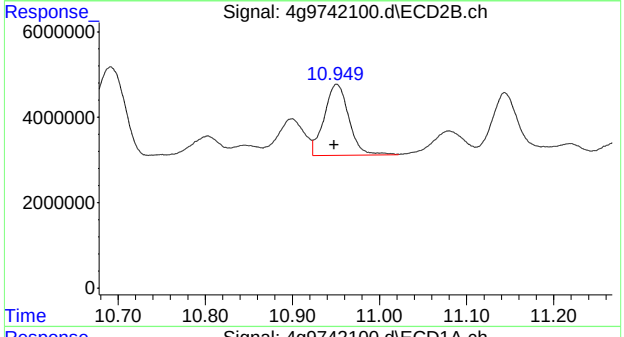
#16 Dieldrin

R.T.: 10.266 min
Delta R.T.: 0.004 min
Response: 24070415
Conc: 0.31 PPB



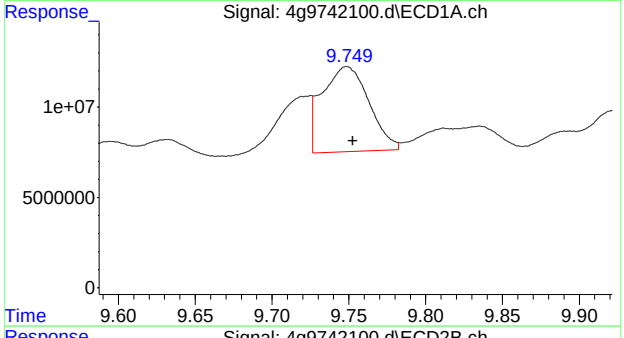
#18 4,4'-DDD

R.T.: 9.327 min
Delta R.T.: -0.002 min
Response: 38511880
Conc: 0.27 PPB m



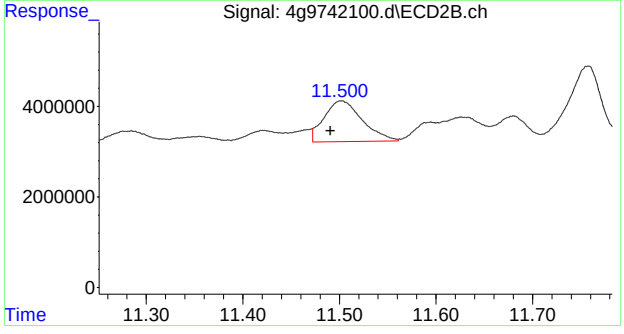
#18 4,4'-DDD

R.T.: 10.951 min
Delta R.T.: 0.003 min
Response: 32897699
Conc: 0.64 PPB



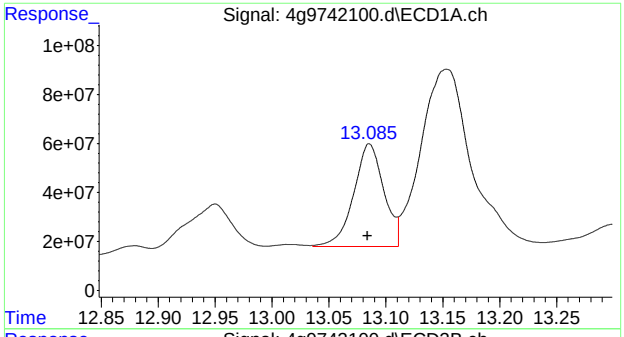
#20 4,4'-DDT

R.T.: 9.749 min
Delta R.T.: -0.004 min
Response: 99305669
Conc: 0.84 PPB m



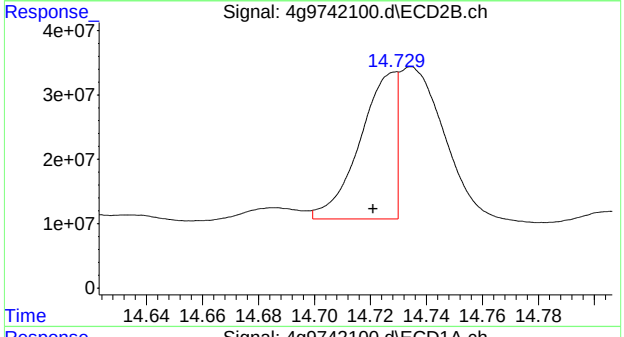
#20 4,4'-DDT

R.T.: 11.500 min
Delta R.T.: 0.010 min
Response: 24708576
Conc: 0.77 PPB m



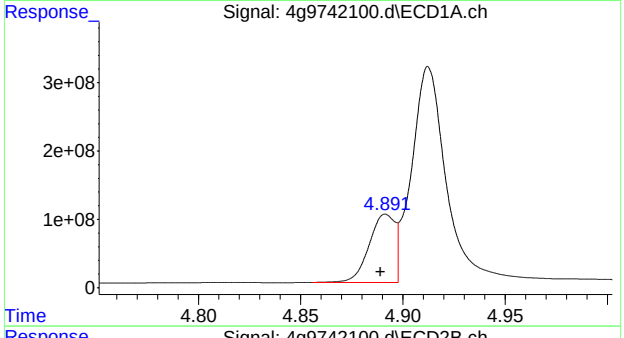
#26 Decachlorobiphenyl

R.T.: 13.085 min
Delta R.T.: 0.001 min
Response: 776019850
Conc: 4.86 PPB m



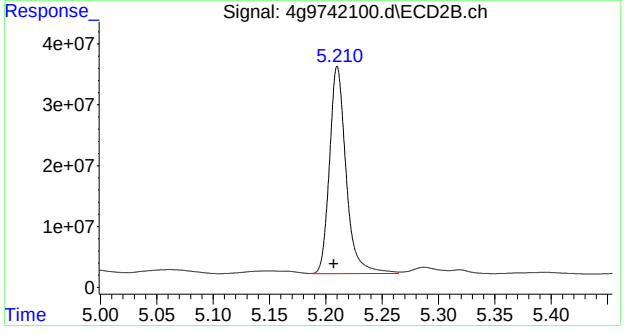
#26 Decachlorobiphenyl

R.T.: 14.729 min
Delta R.T.: 0.008 min
Response: 206348929
Conc: 5.14 PPB m



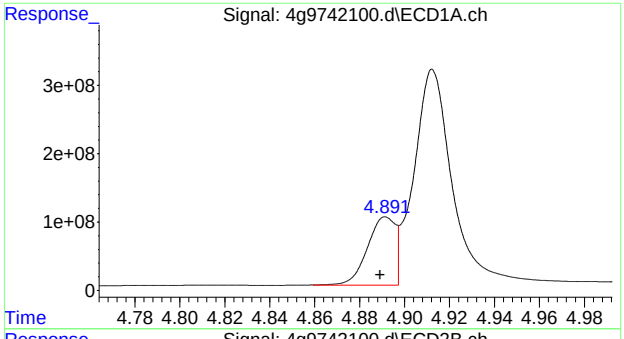
#27 1-bromo-2-nitrobenzeneA

R.T.: 4.891 min
Delta R.T.: 0.002 min
Response: 915205350
Conc: 5.00 PPB m



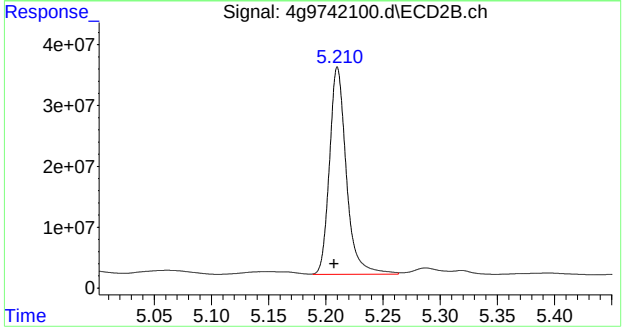
#27 1-bromo-2-nitrobenzeneA

R.T.: 5.210 min
Delta R.T.: 0.003 min
Response: 350272106
Conc: 5.00 PPB m



#33 1-bromo-2-nitrobenzeneB

R.T.: 4.891 min
Delta R.T.: 0.002 min
Response: 869701417
Conc: 5.00 PPB m



#33 1-bromo-2-nitrobenzeneB

R.T.: 5.210 min
Delta R.T.: 0.003 min
Response: 349747518
Conc: 5.00 PPB m

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 12/10/24 18:21

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\G6G3881\
Data File : 6g103207.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09-Dec-24, 22:14:37
Operator : mahalial
Sample : je1536-2 m
Misc : op59854,g6g3881,5.03,,,10,1
ALS Vial : 0 (Sig #1); 38 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 13:53:01 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\G6G3881\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Tue Dec 10 13:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1) I	1-bromo-2...	4.838	5.239	2526.4E6	4925.3E6	5.000m	5.000m
27) I	1-bromo-2...	4.838	5.239	2508.1E6	4907.7E6	5.000m	5.000m
33) I	1-bromo-2...	4.838	5.239	2529.3E6	4903.9E6	5.000m	5.000m
	System Monitoring Compounds						
2) SAB	Tetrachlo...	5.510	6.179	2238.9E6	3371.8E6	4.166	3.716
Spiked Amount	40.000	Range	30 - 150	Recovery	=	10.42%#	9.29%#
26) SA	Decachlor...	12.953	14.862	1527.9E6	2236.6E6	3.554	2.428m
Spiked Amount	40.000			Recovery	=	8.88%	6.07%
	Target Compounds						
12) B	gamma-Chl...	8.085	9.694	408.2E6	257.4E6	0.579m	0.244m#
13) B	alpha-Chl...	8.256	9.931	887.4E6	551.3E6	1.329	0.515m#
15) B	4,4'-DDE	8.370	10.191	2785.1E6	3298.7E6	4.366	3.243
16) MA	Dieldrin	8.769	10.491	112.0E6	147.2E6	0.161m	0.062m#
18) A	4,4'-DDD	9.214	11.178	619.3E6	606.5E6	1.183	0.727
20) MA	4,4'-DDT	9.632	11.736	204.4E6	177.5E6	0.367	0.207 #
	Sum Toxaphene			0	0	N.D.	N.D.
Average	Toxaphene					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

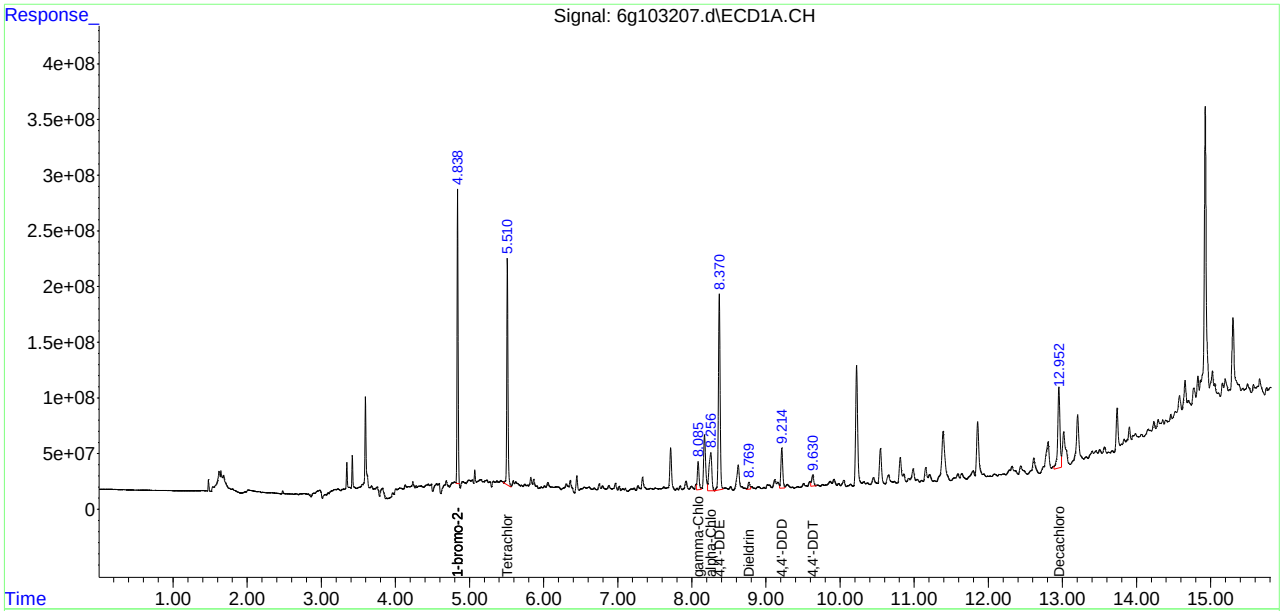
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

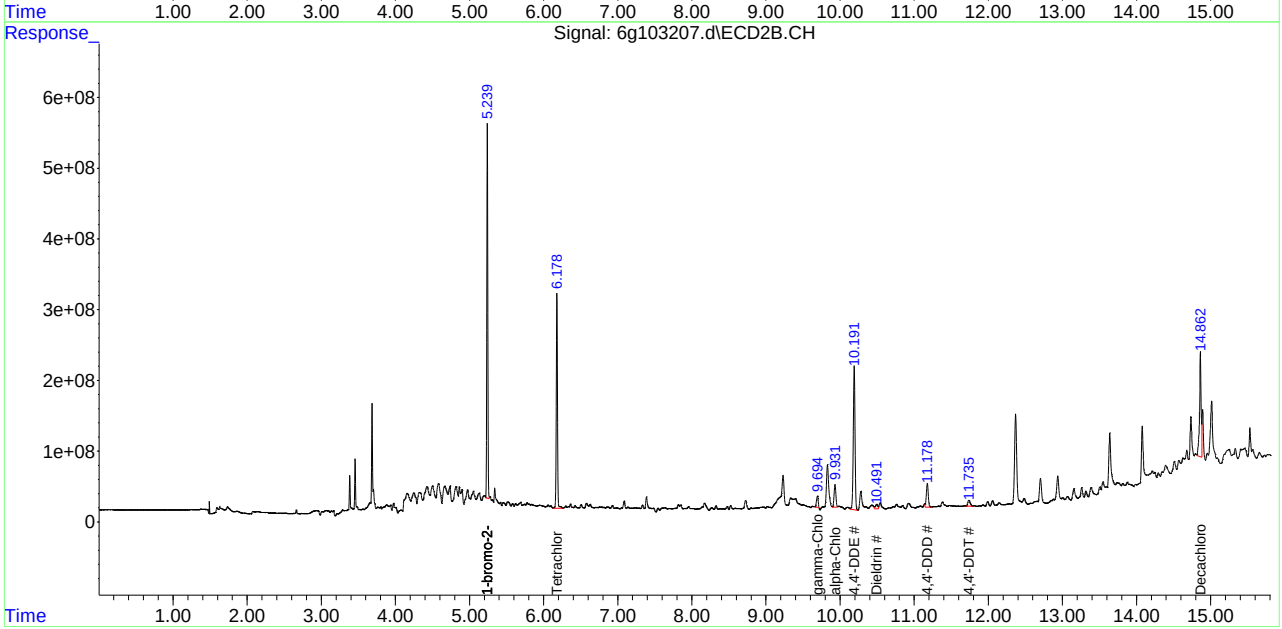
Quantitation Report (QT Reviewed)

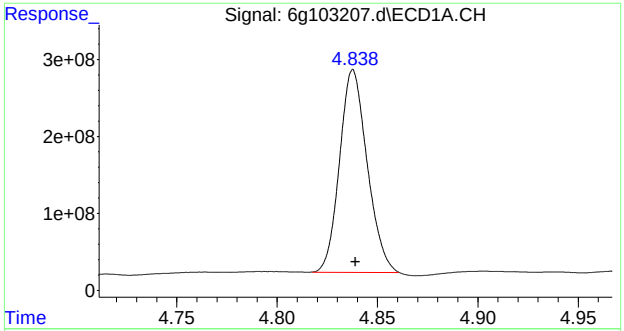
Data Path : X:\Dayton SVOA GC\8. GC Members\chrisc2\G6G3881\
Data File : 6g103207.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09-Dec-24, 22:14:37
Operator : mahalial
Sample : je1536-2 m
Misc : op59854,g6g3881,5.03,,,10,1
ALS Vial : 0 (Sig #1); 38 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 13:53:01 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\chrisc2\G6G3881\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Tue Dec 10 13:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um

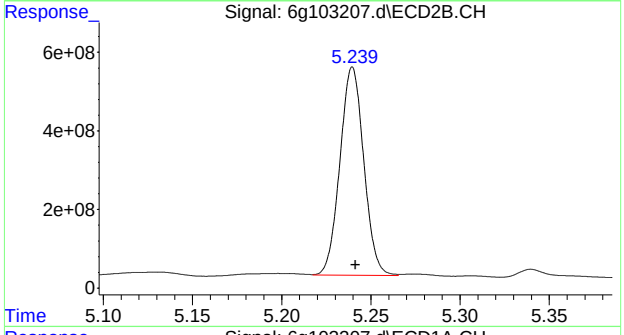






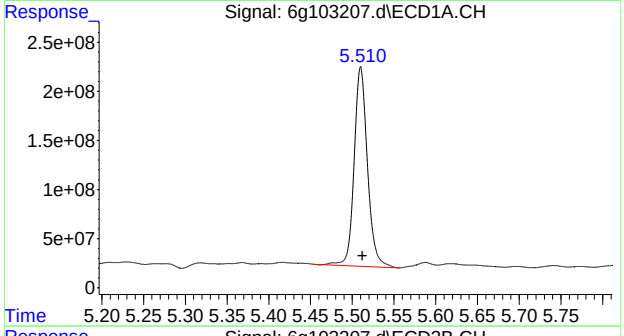
#1 1-bromo-2-nitrobenzene

R.T.: 4.838 min
Delta R.T.: -0.001 min
Response: 2526406689
Conc: 5.00 PPB m



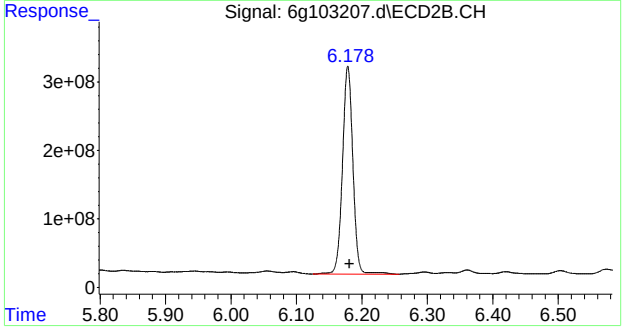
#1 1-bromo-2-nitrobenzene

R.T.: 5.239 min
Delta R.T.: -0.002 min
Response: 4925312164
Conc: 5.00 PPB m



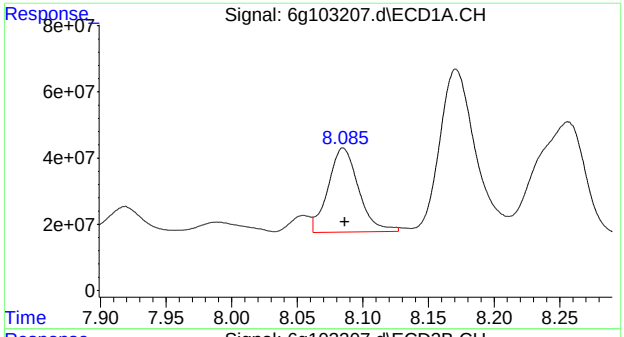
#2 Tetrachloro-m-xylene

R.T.: 5.510 min
Delta R.T.: -0.002 min
Response: 2238879203
Conc: 4.17 PPB



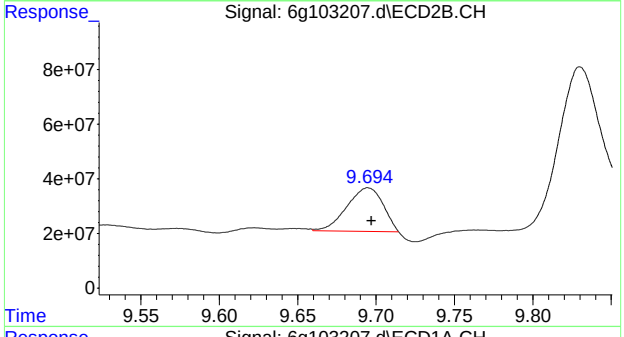
#2 Tetrachloro-m-xylene

R.T.: 6.179 min
Delta R.T.: -0.002 min
Response: 3371797529
Conc: 3.72 PPB



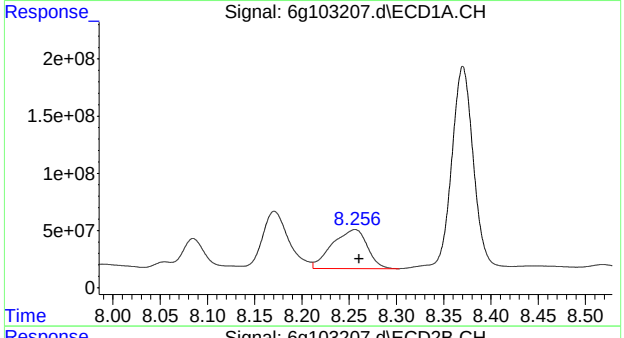
#12 gamma-Chlordane

R.T.: 8.085 min
Delta R.T.: -0.001 min
Response: 408151294
Conc: 0.58 PPB m



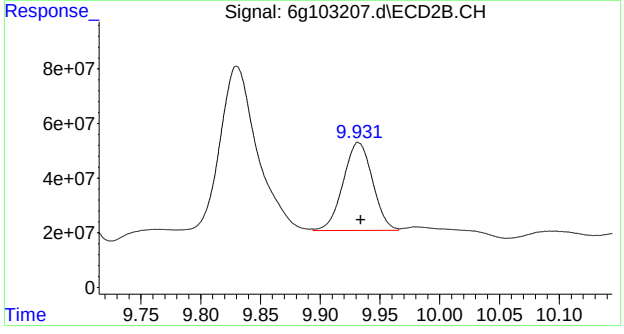
#12 gamma-Chlordane

R.T.: 9.694 min
Delta R.T.: -0.003 min
Response: 257353383
Conc: 0.24 PPB m



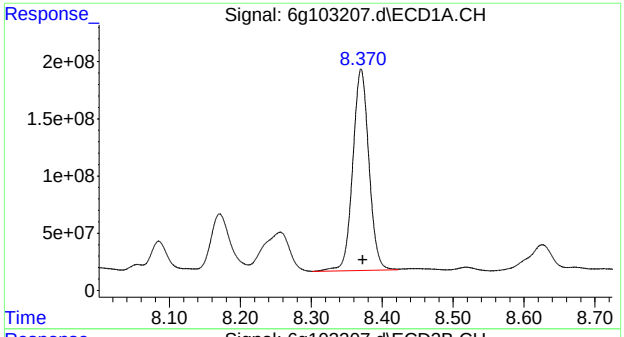
#13 alpha-Chlordane

R.T.: 8.256 min
Delta R.T.: -0.004 min
Response: 887356157
Conc: 1.33 PPB



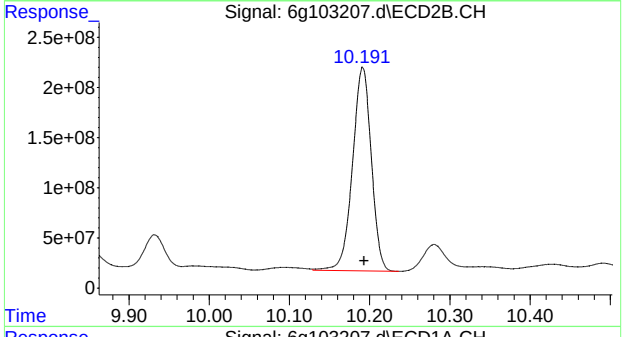
#13 alpha-Chlordane

R.T.: 9.931 min
Delta R.T.: -0.003 min
Response: 551252877
Conc: 0.52 PPB m



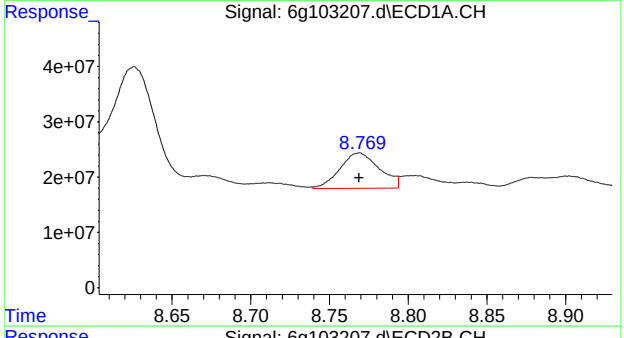
#15 4,4'-DDE

R.T.: 8.370 min
Delta R.T.: -0.002 min
Response: 2785084203
Conc: 4.37 PPB



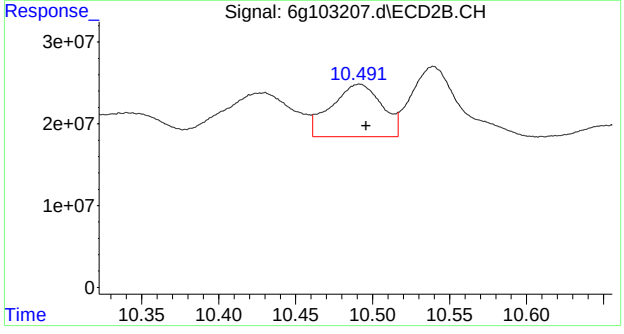
#15 4,4'-DDE

R.T.: 10.191 min
Delta R.T.: -0.002 min
Response: 3298652882
Conc: 3.24 PPB



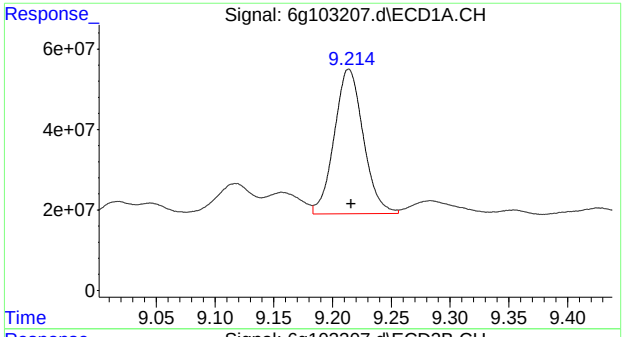
#16 Dieldrin

R.T.: 8.769 min
Delta R.T.: 0.000 min
Response: 111986615
Conc: 0.16 PPB m



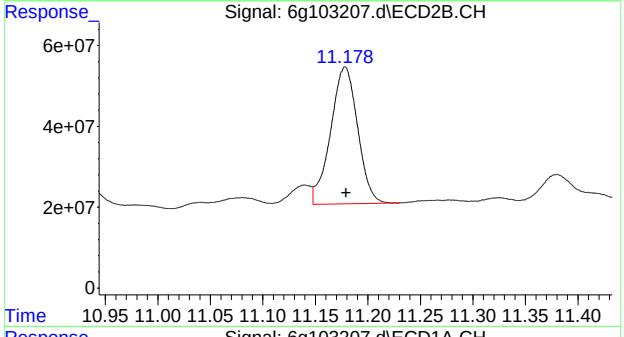
#16 Dieldrin

R.T.: 10.491 min
Delta R.T.: -0.005 min
Response: 147210717
Conc: 0.06 PPB m



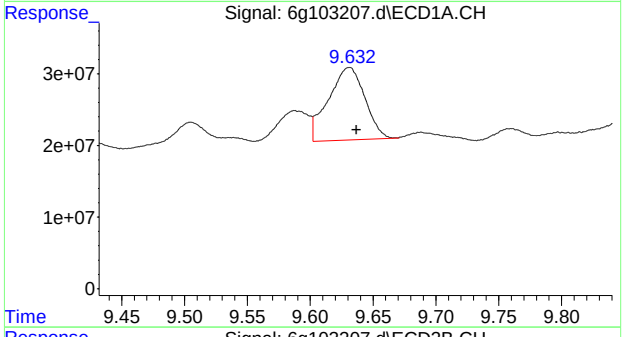
#18 4,4'-DDD

R.T.: 9.214 min
Delta R.T.: -0.002 min
Response: 619287066
Conc: 1.18 PPB



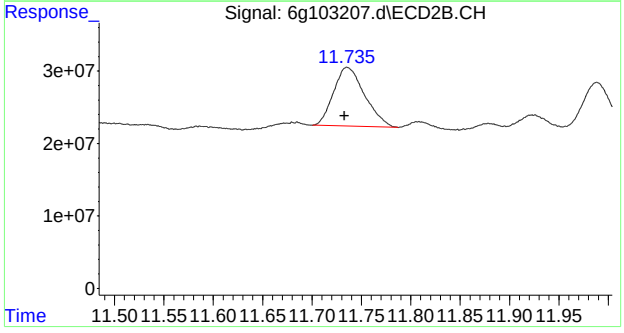
#18 4,4'-DDD

R.T.: 11.178 min
Delta R.T.: 0.000 min
Response: 606528053
Conc: 0.73 PPB



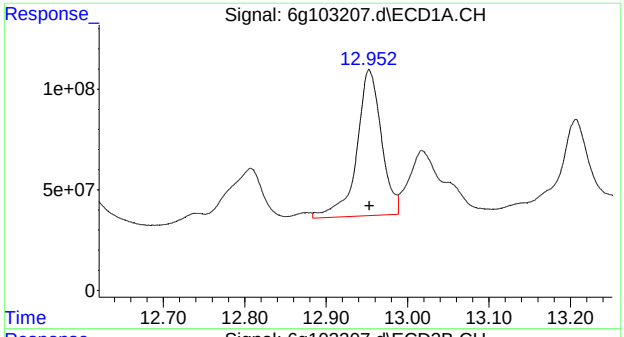
#20 4,4'-DDT

R.T.: 9.632 min
Delta R.T.: -0.005 min
Response: 204415757
Conc: 0.37 PPB



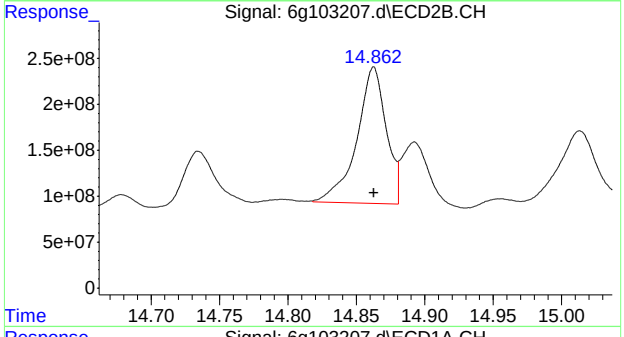
#20 4,4'-DDT

R.T.: 11.736 min
Delta R.T.: 0.003 min
Response: 177455356
Conc: 0.21 PPB



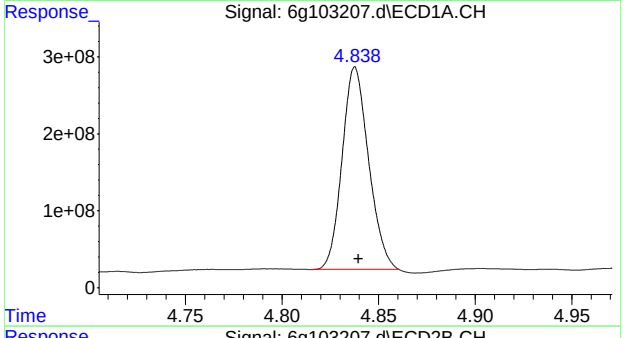
#26 Decachlorobiphenyl

R.T.: 12.953 min
Delta R.T.: 0.000 min
Response: 1527935440
Conc: 3.55 PPB



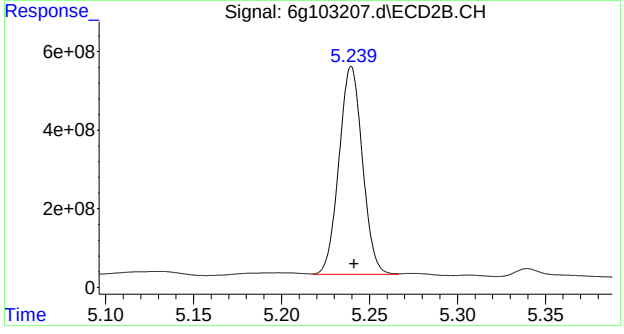
#26 Decachlorobiphenyl

R.T.: 14.862 min
Delta R.T.: 0.000 min
Response: 2236634297
Conc: 2.43 PPB m



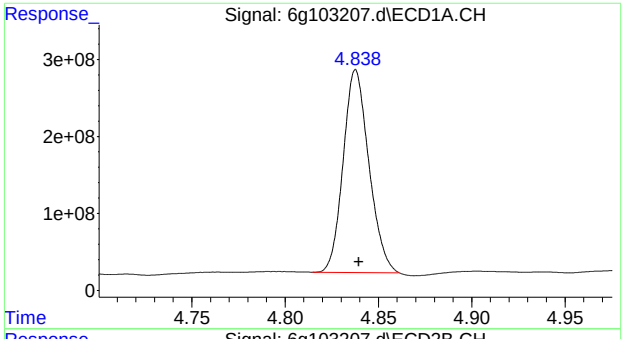
#27 1-bromo-2-nitrobenzeneA

R.T.: 4.838 min
Delta R.T.: -0.002 min
Response: 2508106161
Conc: 5.00 PPB m



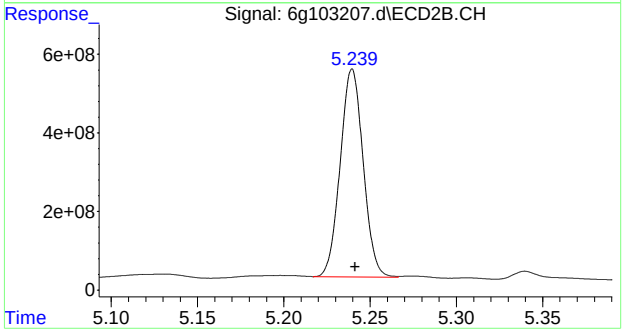
#27 1-bromo-2-nitrobenzeneA

R.T.: 5.239 min
Delta R.T.: -0.002 min
Response: 4907699777
Conc: 5.00 PPB m



#33 1-bromo-2-nitrobenzeneB

R.T.: 4.838 min
Delta R.T.: -0.002 min
Response: 2529335122
Conc: 5.00 PPB m



#33 1-bromo-2-nitrobenzeneB

R.T.: 5.239 min
Delta R.T.: -0.002 min
Response: 4903863171
Conc: 5.00 PPB m

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 12/11/24 18:32

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g6g3884\
Data File : 6g103278.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Dec 2024 10:52 am
Operator : rebeccak
Sample : je1536-3 m
Misc : op59854,g6g3884,5.0,,,10,1
ALS Vial : 0 (Sig #1); 97 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 18:13:53 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\Hollman\G6G3884\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Tue Dec 10 13:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1)	I 1-bromo-2...	4.840	5.245	3279.2E6	4500.0E6	5.000	5.000
27)	I 1-bromo-2...	4.840	5.245	3279.2E6	4500.0E6	5.000	5.000
33)	I 1-bromo-2...	4.840	5.245	3279.2E6	4500.0E6	5.000	5.000
	System Monitoring Compounds						
2)	SAB Tetrachlo...	5.514	6.184	1993.1E6	3331.6E6	2.857	4.019 #
	Spiked Amount 40.000	Range 30 - 150		Recovery =		7.14%#	10.05%#
26)	SA Decachlor...	12.950	14.862	1399.2E6	3380.6E6	2.508m	4.017m#
	Spiked Amount 40.000			Recovery =		6.27%	10.04%
	Target Compounds						
4)	A alpha-BHC	6.012	6.932	101.7E6	121.4E6	0.087	0.067
6)	MA Heptachlor	6.844	8.032	207.2E6	260.0E6	0.209	0.151 #
11)	B Heptachlo...	7.919	9.400	1098.1E6	785.5E6	1.584m	0.844m#
12)	B gamma-Chl...	8.086	9.699	4428.9E6	3261.1E6	4.840	3.383m#
13)	B alpha-Chl...	8.256	9.935	7848.6E6	5583.5E6	9.054	5.715m#
15)	B 4,4'-DDE	8.367	10.193	1289.9E6	1798.7E6	1.558m	1.935m
16)	MA Dieldrin	8.768	10.495	597.8E6	552.2E6	0.662	0.552m
18)	A 4,4'-DDD	9.212	11.180	186.3E6	216.5E6	0.274m	0.284
19)	B Endosulfa...	9.426	11.380	48320554	235.8E6	0.065m	0.214 #
20)	MA 4,4'-DDT	9.631	11.733	4308.4E6	4602.2E6	5.959	5.889m
	Sum Toxaphene			0	0	N.D.	N.D.
	Average Toxaphene					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

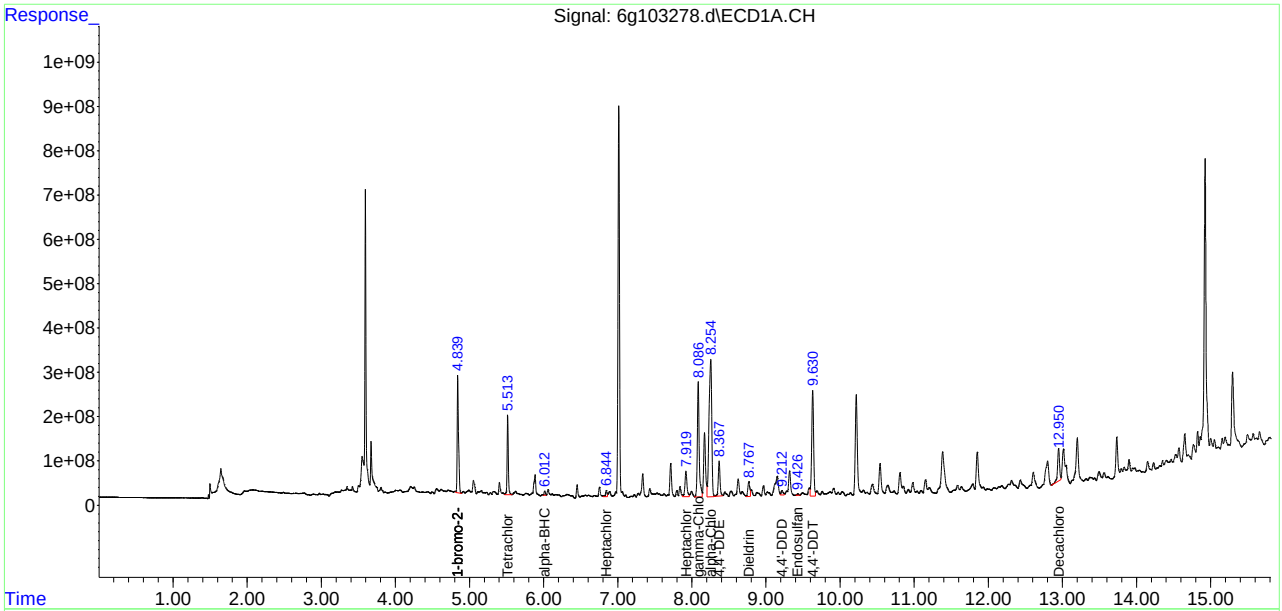
11.1.3 11

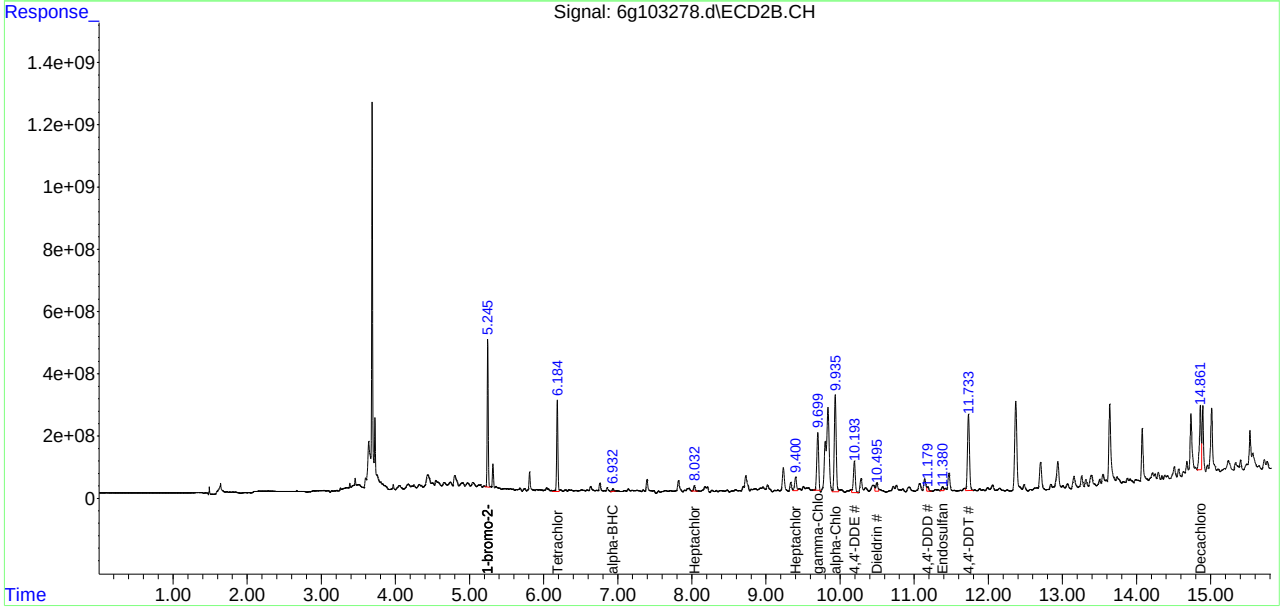
Quantitation Report (QT Reviewed)

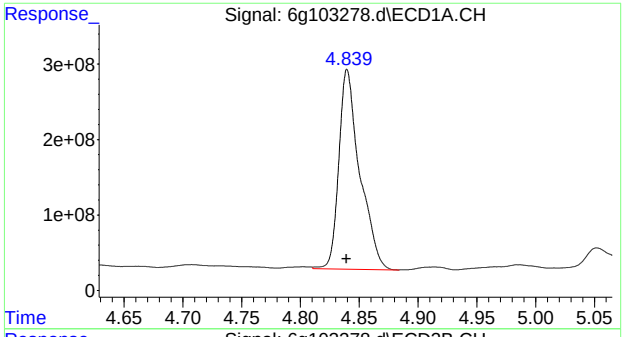
Data Path : C:\msdchem\1\data\g6g3884\
Data File : 6g103278.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Dec 2024 10:52 am
Operator : rebeccak
Sample : je1536-3 m
Misc : op59854,g6g3884,5.0,,,10,1
ALS Vial : 0 (Sig #1); 97 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 18:13:53 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\Hollman\G6G3884\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Tue Dec 10 13:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um

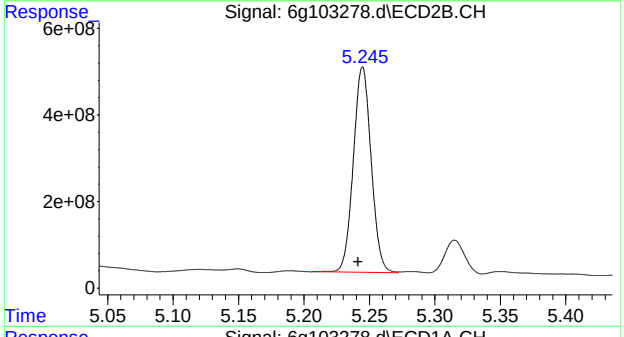






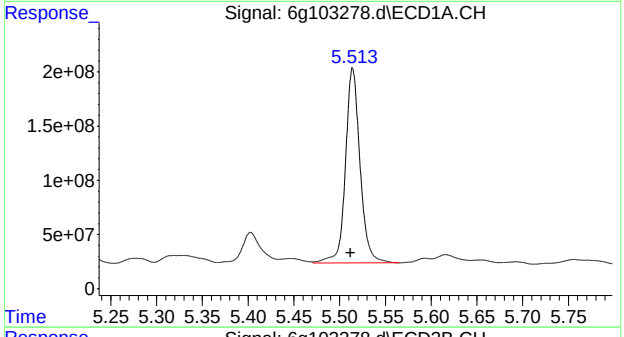
#1 1-bromo-2-nitrobenzene

R.T.: 4.840 min
Delta R.T.: 0.000 min
Response: 3279215501
Conc: 5.00 PPB



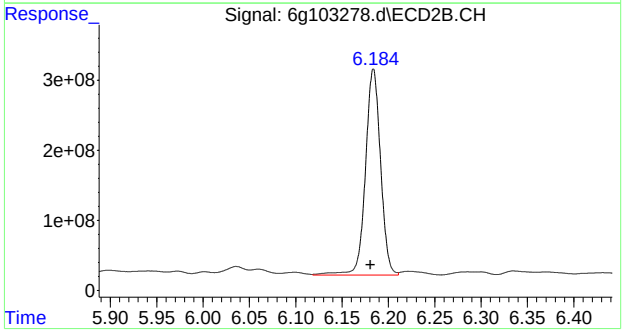
#1 1-bromo-2-nitrobenzene

R.T.: 5.245 min
Delta R.T.: 0.004 min
Response: 4500003562
Conc: 5.00 PPB



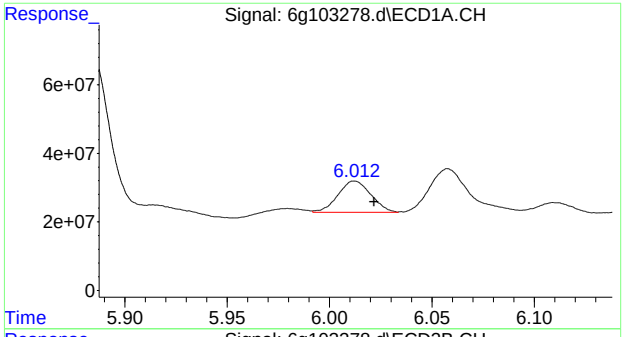
#2 Tetrachloro-m-xylene

R.T.: 5.514 min
Delta R.T.: 0.002 min
Response: 1993145905
Conc: 2.86 PPB



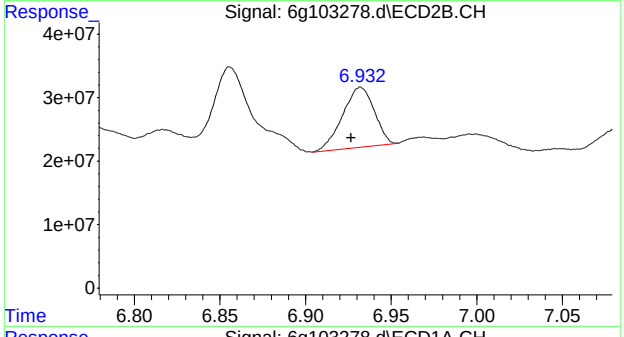
#2 Tetrachloro-m-xylene

R.T.: 6.184 min
Delta R.T.: 0.003 min
Response: 3331611590
Conc: 4.02 PPB



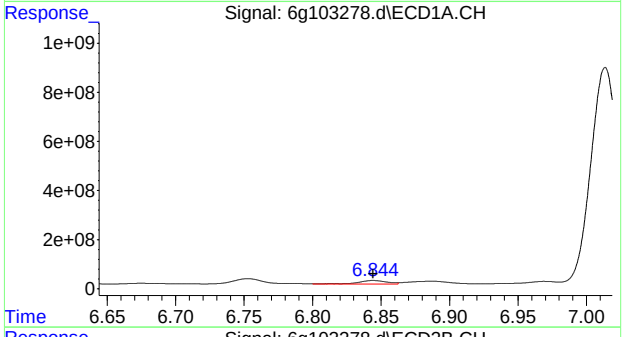
#4 alpha-BHC

R.T.: 6.012 min
Delta R.T.: -0.010 min
Response: 101677330
Conc: 0.09 PPB



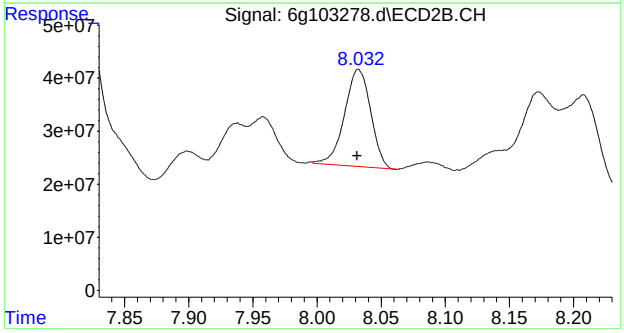
#4 alpha-BHC

R.T.: 6.932 min
Delta R.T.: 0.006 min
Response: 121421671
Conc: 0.07 PPB



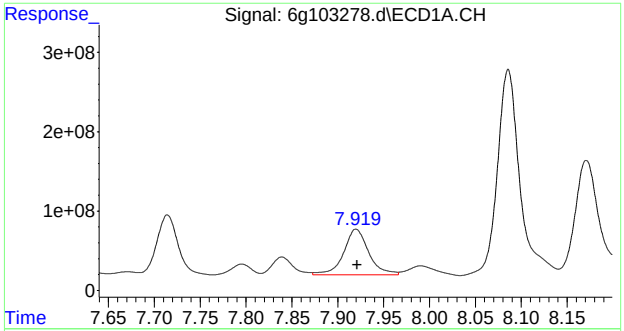
#6 Heptachlor

R.T.: 6.844 min
Delta R.T.: 0.000 min
Response: 207231067
Conc: 0.21 PPB



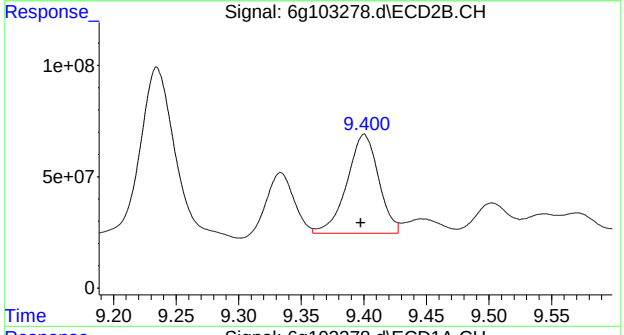
#6 Heptachlor

R.T.: 8.032 min
Delta R.T.: 0.001 min
Response: 260023218
Conc: 0.15 PPB



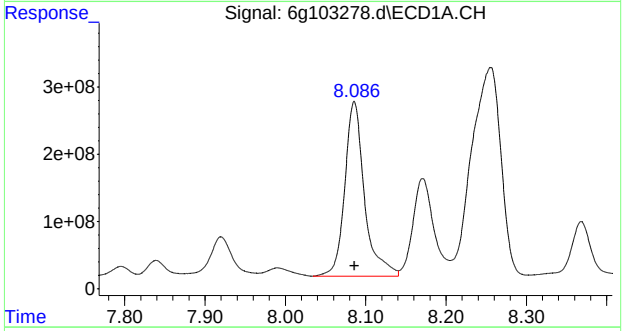
#11 Heptachlor Epoxide

R.T.: 7.919 min
Delta R.T.: -0.002 min
Response: 1098092731
Conc: 1.58 PPB m



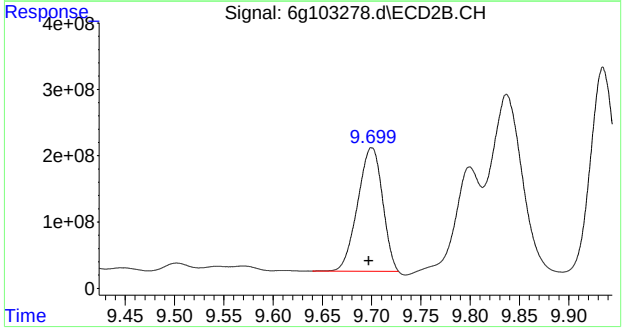
#11 Heptachlor Epoxide

R.T.: 9.400 min
Delta R.T.: 0.003 min
Response: 785496430
Conc: 0.84 PPB m



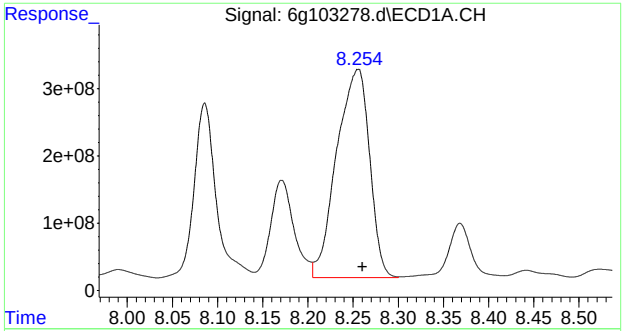
#12 gamma-Chlordane

R.T.: 8.086 min
Delta R.T.: 0.000 min
Response: 4428859875
Conc: 4.84 PPB



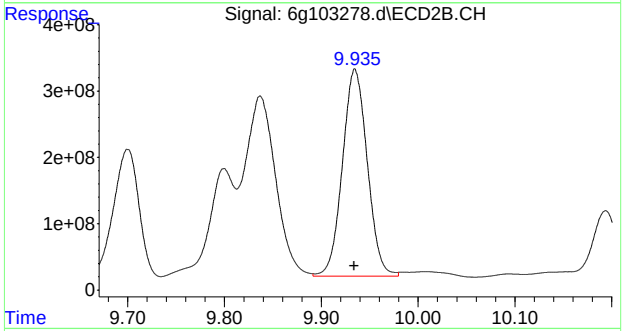
#12 gamma-Chlordane

R.T.: 9.699 min
Delta R.T.: 0.002 min
Response: 3261072802
Conc: 3.38 PPB m



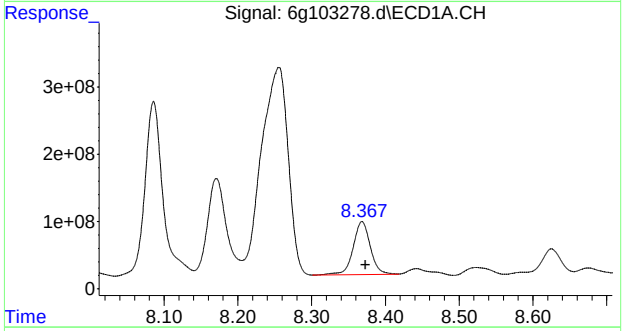
#13 alpha-Chlordane

R.T.: 8.256 min
Delta R.T.: -0.005 min
Response: 7848622281
Conc: 9.05 PPB



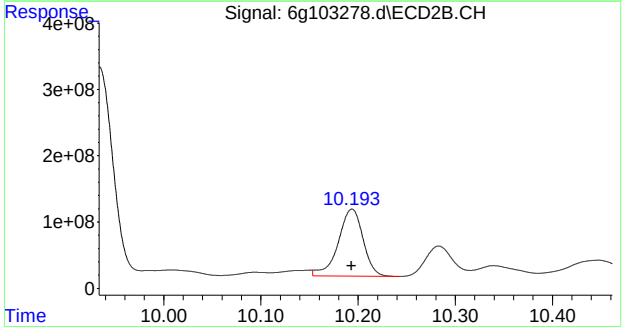
#13 alpha-Chlordane

R.T.: 9.935 min
Delta R.T.: 0.000 min
Response: 5583535088
Conc: 5.71 PPB m



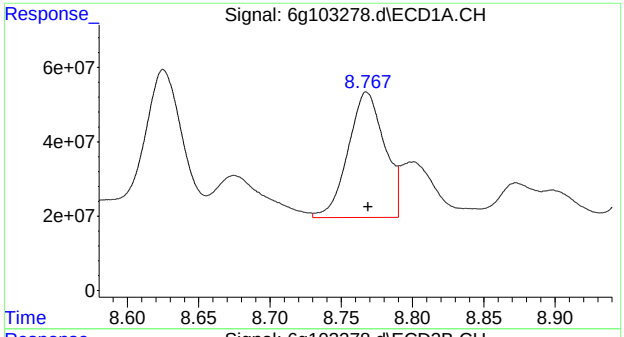
#15 4,4'-DDE

R.T.: 8.367 min
Delta R.T.: -0.005 min
Response: 1289925282
Conc: 1.56 PPB m



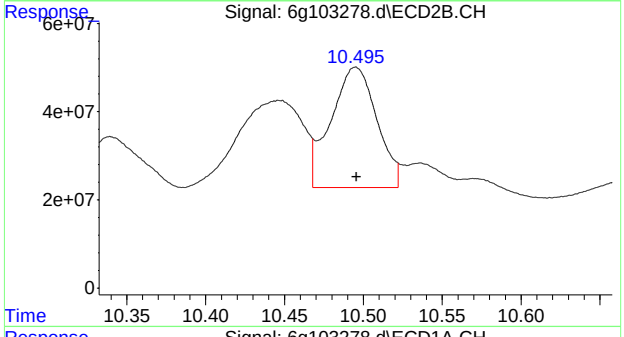
#15 4,4'-DDE

R.T.: 10.193 min
Delta R.T.: 0.000 min
Response: 1798677253
Conc: 1.94 PPB m



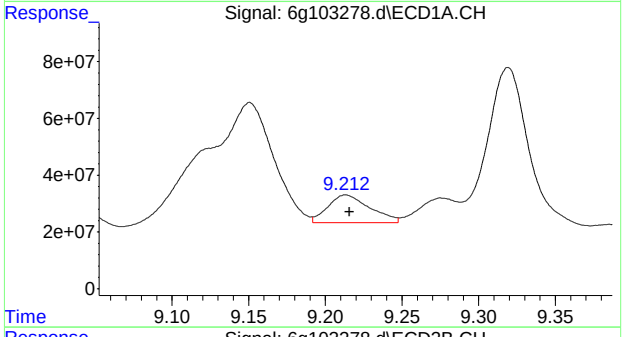
#16 Dieldrin

R.T.: 8.768 min
Delta R.T.: -0.001 min
Response: 597833030
Conc: 0.66 PPB



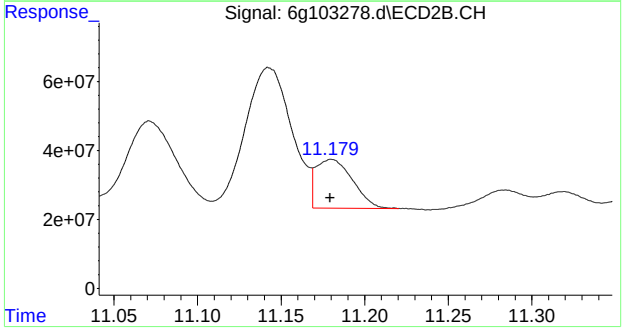
#16 Dieldrin

R.T.: 10.495 min
Delta R.T.: 0.000 min
Response: 552188772
Conc: 0.55 PPB m



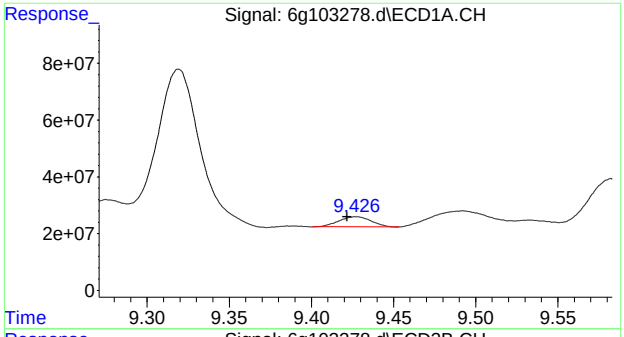
#18 4,4'-DDD

R.T.: 9.212 min
Delta R.T.: -0.004 min
Response: 186348239
Conc: 0.27 PPB m



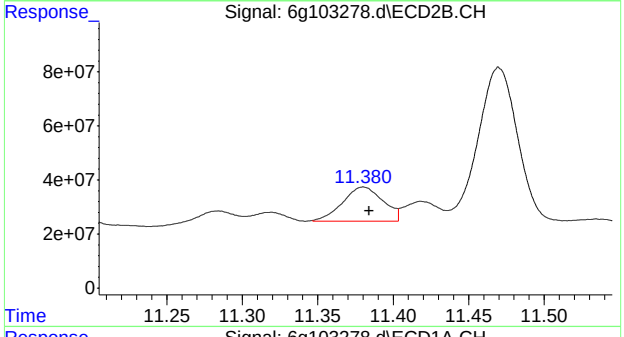
#18 4,4'-DDD

R.T.: 11.180 min
Delta R.T.: 0.000 min
Response: 216545297
Conc: 0.28 PPB



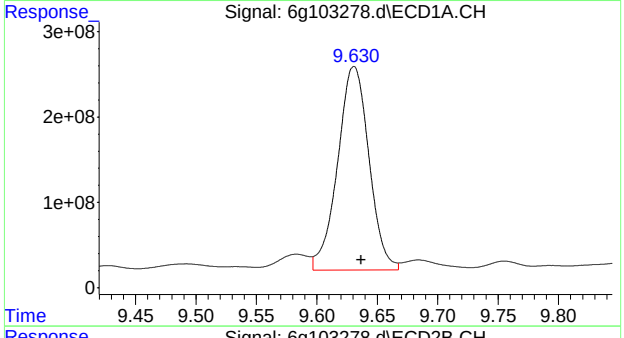
#19 Endosulfan II

R.T.: 9.426 min
Delta R.T.: 0.004 min
Response: 48320554
Conc: 0.06 PPB m



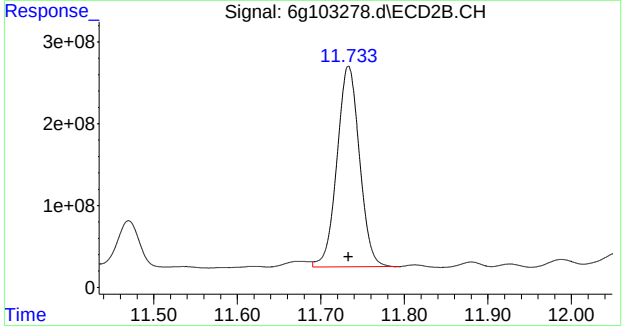
#19 Endosulfan II

R.T.: 11.380 min
Delta R.T.: -0.004 min
Response: 235811972
Conc: 0.21 PPB



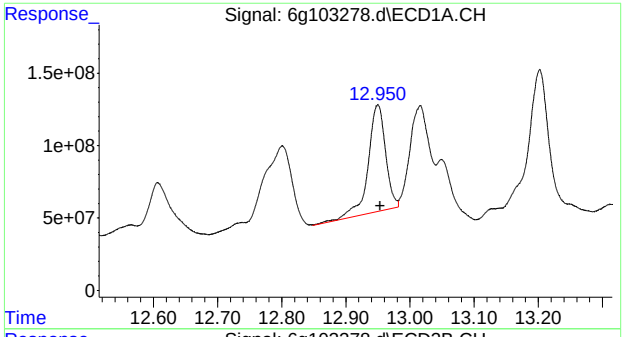
#20 4,4'-DDT

R.T.: 9.631 min
Delta R.T.: -0.006 min
Response: 4308353683
Conc: 5.96 PPB



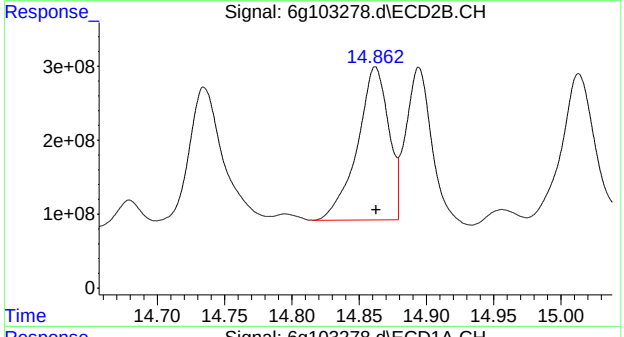
#20 4,4'-DDT

R.T.: 11.733 min
Delta R.T.: 0.000 min
Response: 4602233498
Conc: 5.89 PPB m



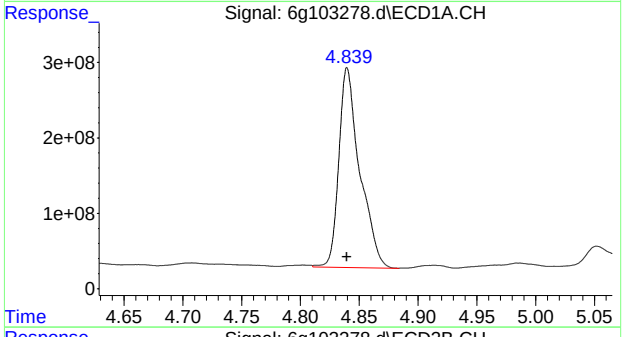
#26 Decachlorobiphenyl

R.T.: 12.950 min
Delta R.T.: -0.004 min
Response: 1399160564
Conc: 2.51 PPB m



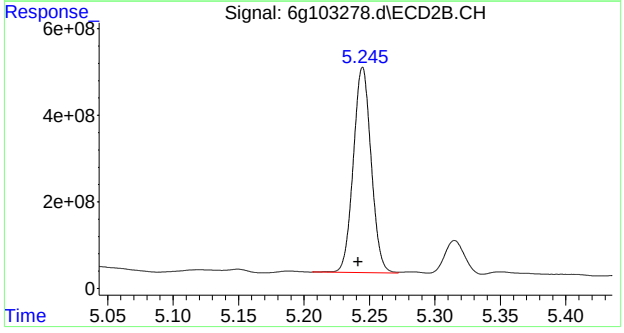
#26 Decachlorobiphenyl

R.T.: 14.862 min
Delta R.T.: 0.000 min
Response: 3380647053
Conc: 4.02 PPB m



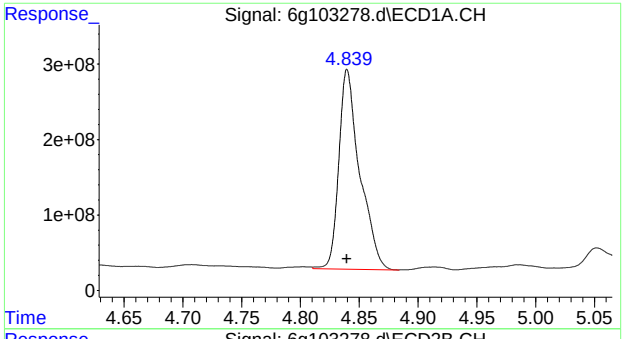
#27 1-bromo-2-nitrobenzeneA

R.T.: 4.840 min
Delta R.T.: 0.000 min
Response: 3279215501
Conc: 5.00 PPB



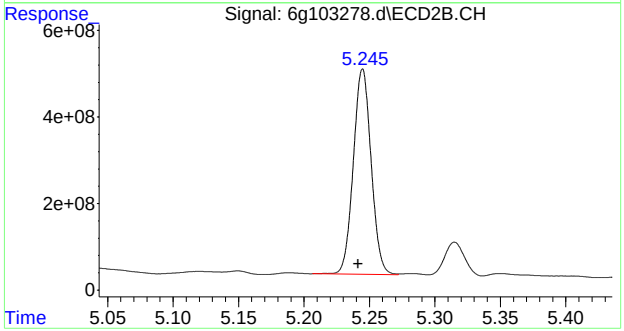
#27 1-bromo-2-nitrobenzeneA

R.T.: 5.245 min
Delta R.T.: 0.004 min
Response: 4500003562
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 4.840 min
Delta R.T.: 0.000 min
Response: 3279215501
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 5.245 min
Delta R.T.: 0.004 min
Response: 4500003562
Conc: 5.00 PPB

Manual Integrations APPROVED
(compounds with "m" flag)
Gwendolyn Burns
12/11/24 18:32

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g6g3884\
Data File : 6g103280.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Dec 2024 11:34 am
Operator : rebeccak
Sample : je1536-4 m
Misc : op59854,g6g3884,5.5,,,10,1
ALS Vial : 0 (Sig #1); 99 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 18:16:44 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\Hollman\G6G3884\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Tue Dec 10 13:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1) I	1-bromo-2...	4.838	5.243	3050.3E6	4775.4E6	5.000	5.000
27) I	1-bromo-2...	4.838	5.243	3050.3E6	4775.4E6	5.000	5.000
33) I	1-bromo-2...	4.838	5.243	3050.3E6	4775.4E6	5.000	5.000
	System Monitoring Compounds						
2) SAB	Tetrachlo...	5.512	6.183	2375.9E6	3452.7E6	3.662	3.925
	Spiked Amount 40.000	Range 30 - 150		Recovery =		9.15%#	9.81%#
26) SA	Decachlor...	12.947	14.863	1252.2E6	1539.4E6	2.413m	1.724m#
	Spiked Amount 40.000			Recovery =		6.03%	4.31%
	Target Compounds						
11) B	Heptachlo...	7.918	9.399	359.9E6	285.9E6	0.558m	0.227 #
12) B	gamma-Chl...	8.083	9.695	1122.2E6	979.8E6	1.319m	0.958m#
13) B	alpha-Chl...	8.254	9.934	2351.6E6	1617.8E6	2.916	1.560 #
15) B	4,4'-DDE	8.367	10.192	7121.7E6	8822.5E6	9.247	8.945
16) MA	Dieldrin	8.764	10.495	299.8E6	350.7E6	0.357	0.291
18) A	4,4'-DDD	9.210	11.179	1050.8E6	1301.7E6	1.662	1.610
20) MA	4,4'-DDT	9.628	11.731	593.3E6	816.3E6	0.882	0.984m
	Sum Toxaphene			0	0	N.D.	N.D.
Average	Toxaphene					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

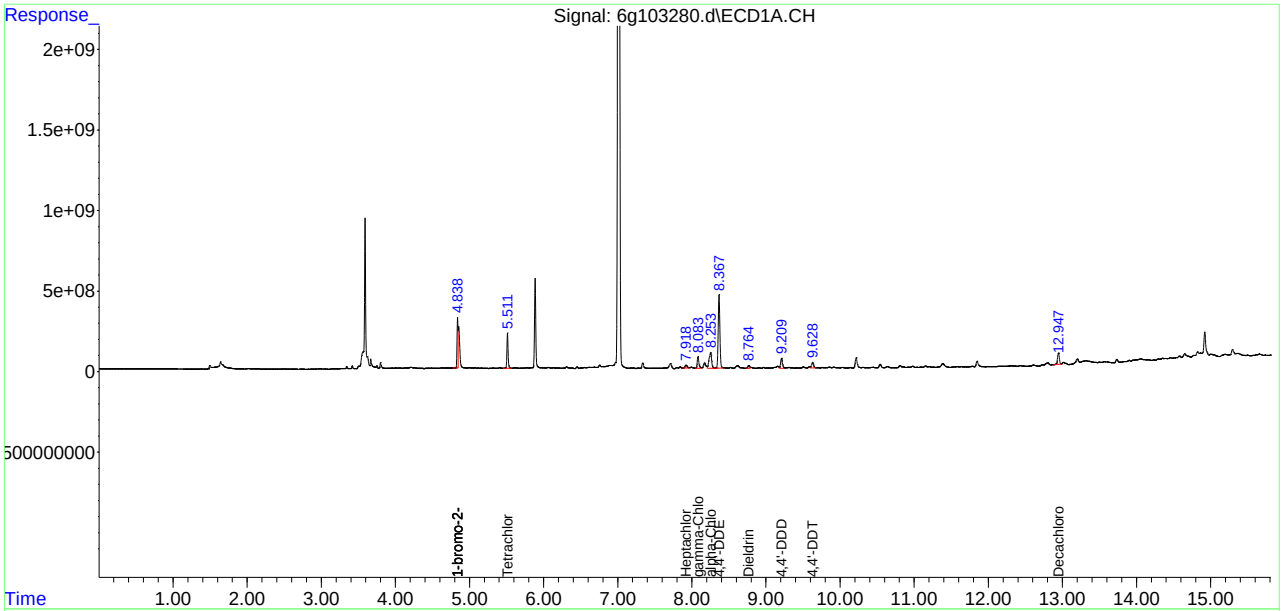
11.1.4
11

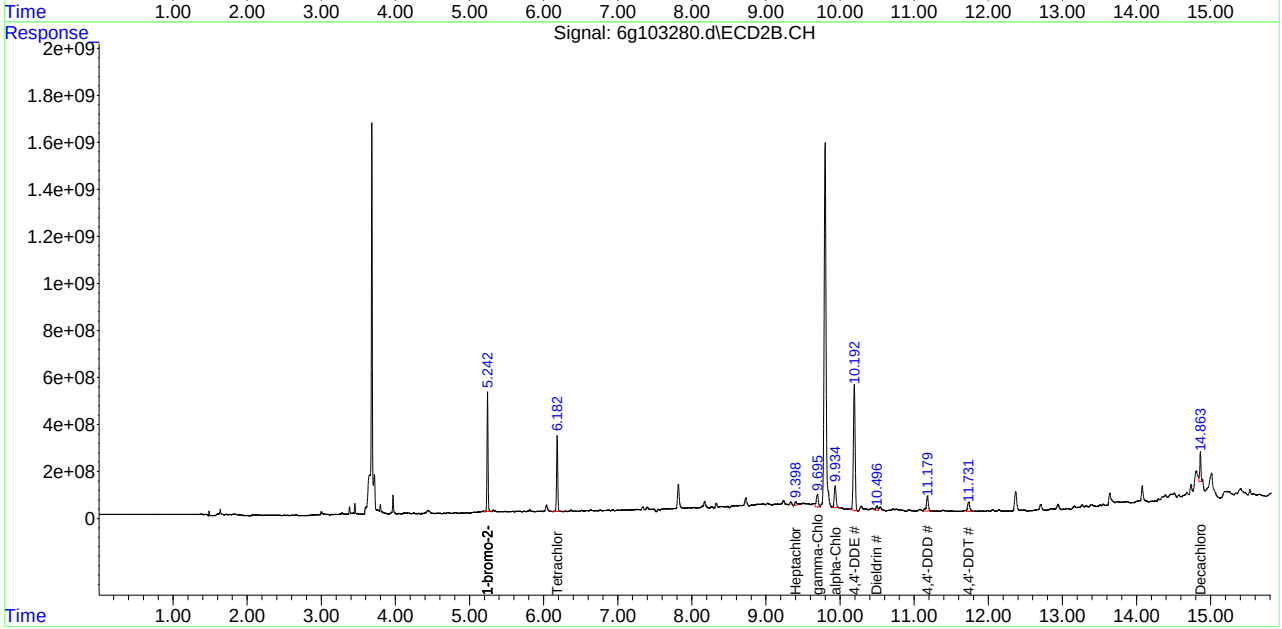
Quantitation Report (QT Reviewed)

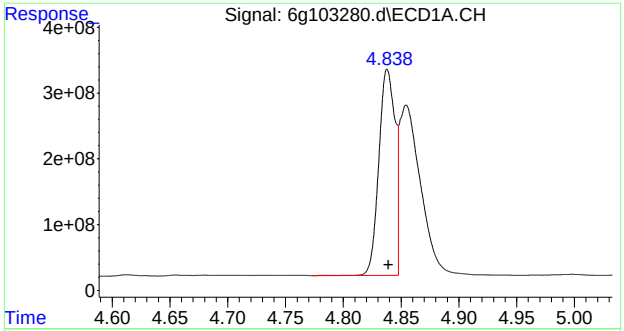
Data Path : C:\msdchem\1\data\g6g3884\
Data File : 6g103280.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Dec 2024 11:34 am
Operator : rebeccak
Sample : je1536-4 m
Misc : op59854,g6g3884,5.5,,,10,1
ALS Vial : 0 (Sig #1); 99 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 18:16:44 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\Hollman\G6G3884\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Tue Dec 10 13:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um

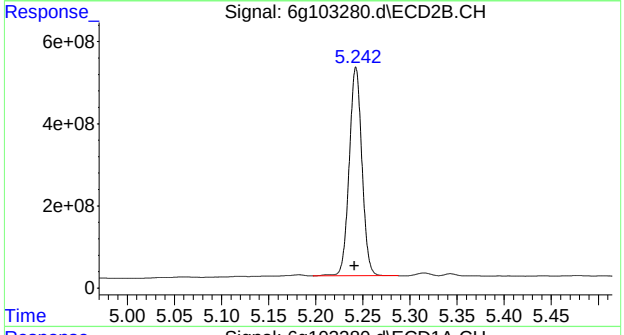






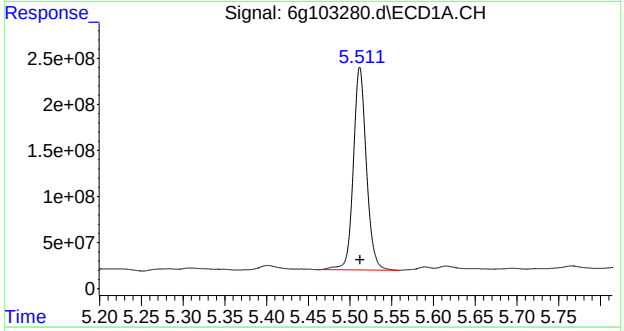
#1 1-bromo-2-nitrobenzene

R.T.: 4.838 min
Delta R.T.: 0.000 min
Response: 3050266781
Conc: 5.00 PPB



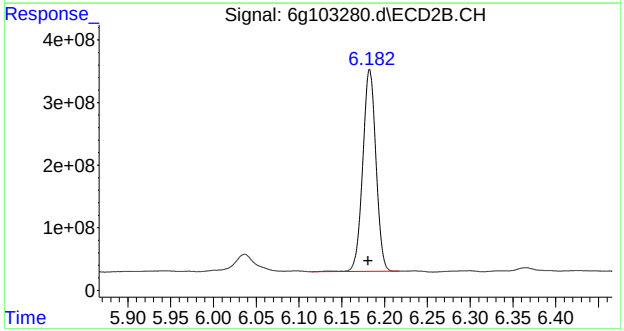
#1 1-bromo-2-nitrobenzene

R.T.: 5.243 min
Delta R.T.: 0.002 min
Response: 4775411765
Conc: 5.00 PPB



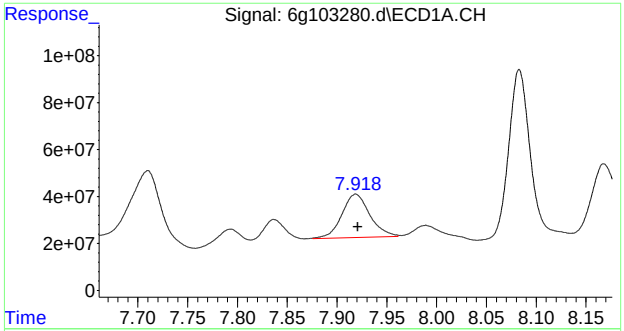
#2 Tetrachloro-m-xylene

R.T.: 5.512 min
Delta R.T.: 0.000 min
Response: 2375927294
Conc: 3.66 PPB



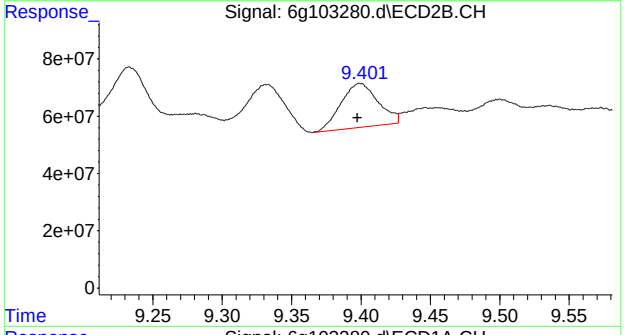
#2 Tetrachloro-m-xylene

R.T.: 6.183 min
Delta R.T.: 0.002 min
Response: 3452706957
Conc: 3.92 PPB



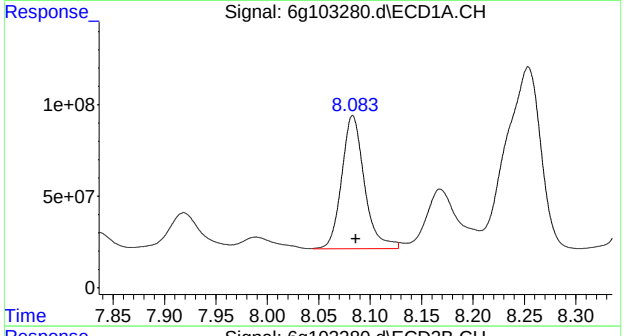
#11 Heptachlor Epoxide

R.T.: 7.918 min
Delta R.T.: -0.002 min
Response: 359852968
Conc: 0.56 PPB m



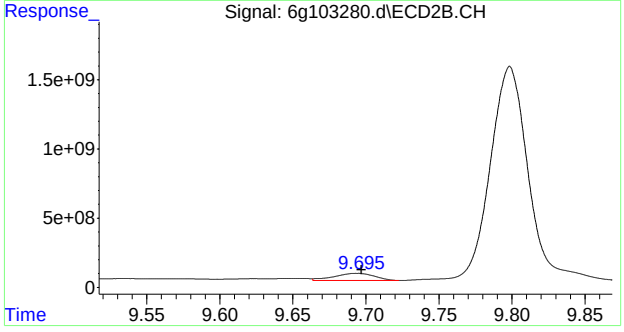
#11 Heptachlor Epoxide

R.T.: 9.399 min
Delta R.T.: 0.002 min
Response: 285875194
Conc: 0.23 PPB



#12 gamma-Chlordane

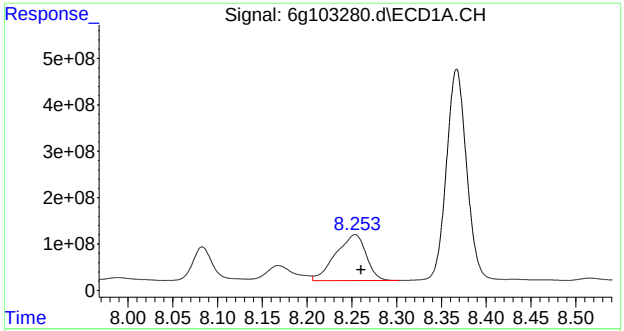
R.T.: 8.083 min
Delta R.T.: -0.003 min
Response: 1122216317
Conc: 1.32 PPB m



#12 gamma-Chlordane

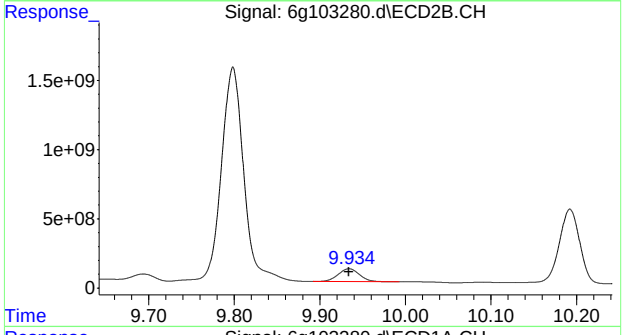
R.T.: 9.695 min
Delta R.T.: -0.002 min
Response: 979816182
Conc: 0.96 PPB m

11.1.4
11



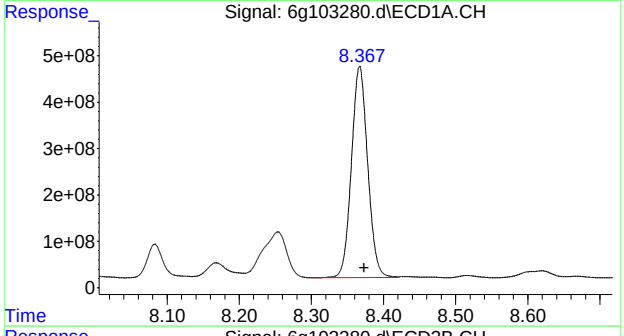
#13 alpha-Chlordane

R.T.: 8.254 min
Delta R.T.: -0.007 min
Response: 2351597536
Conc: 2.92 PPB



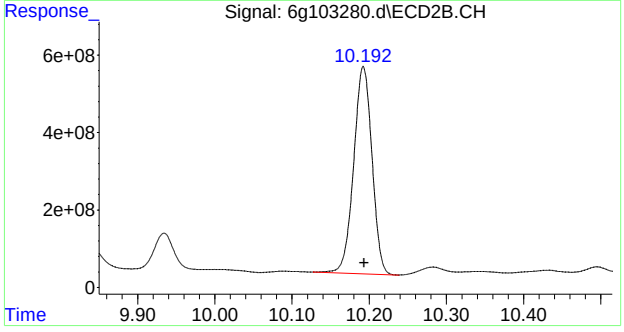
#13 alpha-Chlordane

R.T.: 9.934 min
Delta R.T.: 0.000 min
Response: 1617830687
Conc: 1.56 PPB



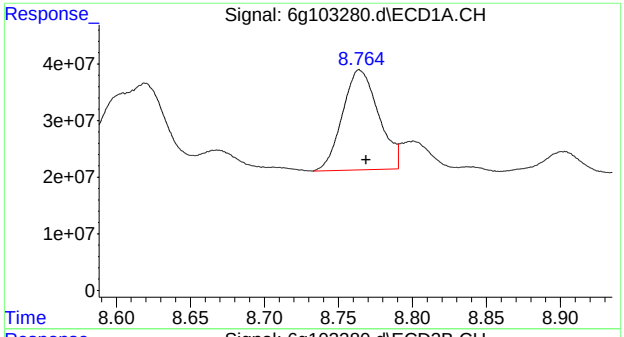
#15 4,4'-DDE

R.T.: 8.367 min
Delta R.T.: -0.006 min
Response: 7121666889
Conc: 9.25 PPB



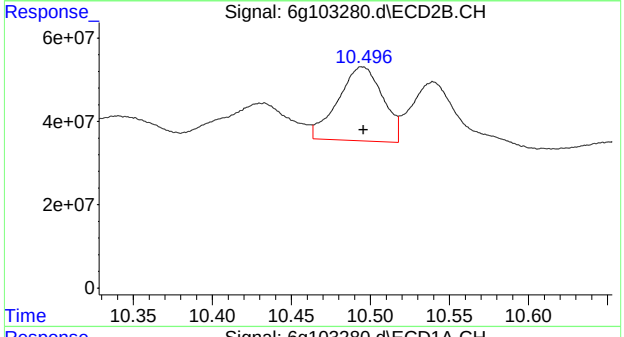
#15 4,4'-DDE

R.T.: 10.192 min
Delta R.T.: 0.000 min
Response: 8822514901
Conc: 8.94 PPB



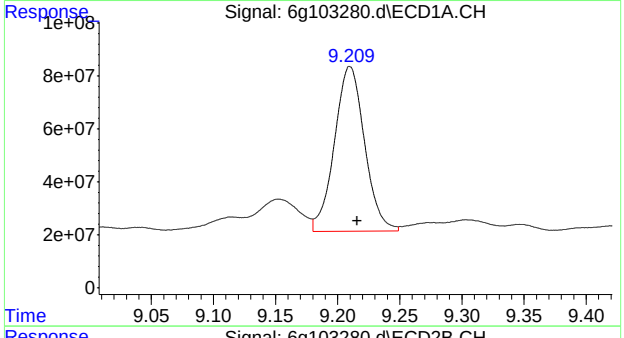
#16 Dieldrin

R.T.: 8.764 min
Delta R.T.: -0.005 min
Response: 299802075
Conc: 0.36 PPB



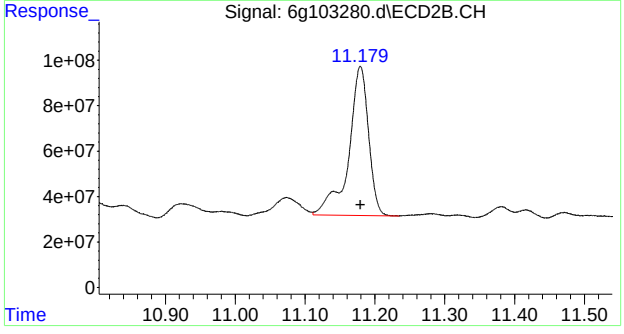
#16 Dieldrin

R.T.: 10.495 min
Delta R.T.: 0.000 min
Response: 350663204
Conc: 0.29 PPB



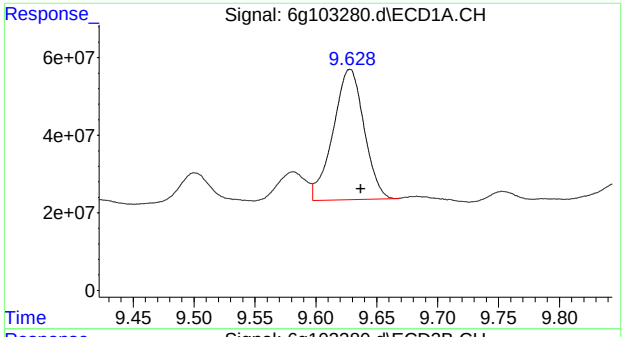
#18 4,4'-DDD

R.T.: 9.210 min
Delta R.T.: -0.006 min
Response: 1050794202
Conc: 1.66 PPB



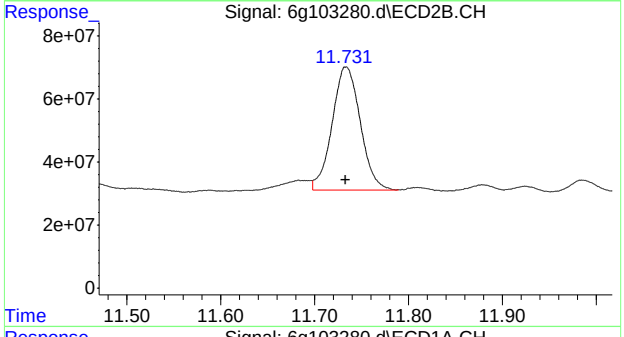
#18 4,4'-DDD

R.T.: 11.179 min
Delta R.T.: 0.000 min
Response: 1301675251
Conc: 1.61 PPB



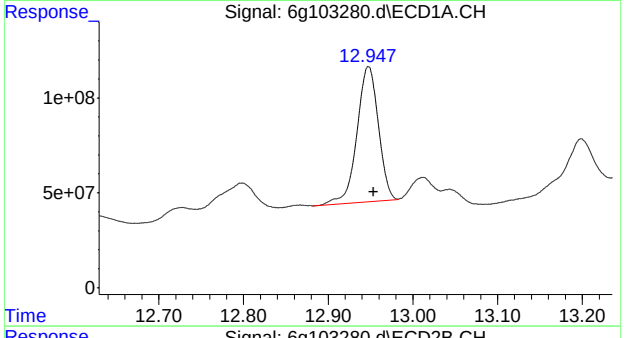
#20 4,4'-DDT

R.T.: 9.628 min
Delta R.T.: -0.008 min
Response: 593282810
Conc: 0.88 PPB



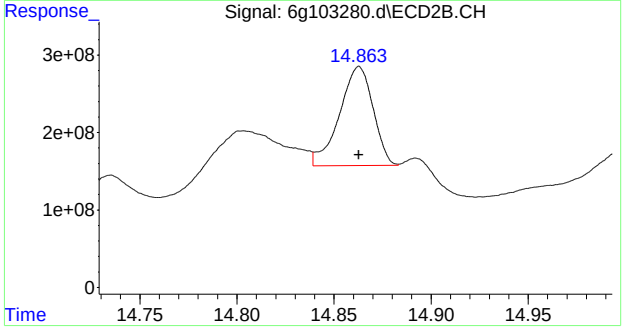
#20 4,4'-DDT

R.T.: 11.731 min
Delta R.T.: -0.001 min
Response: 816264385
Conc: 0.98 PPB m



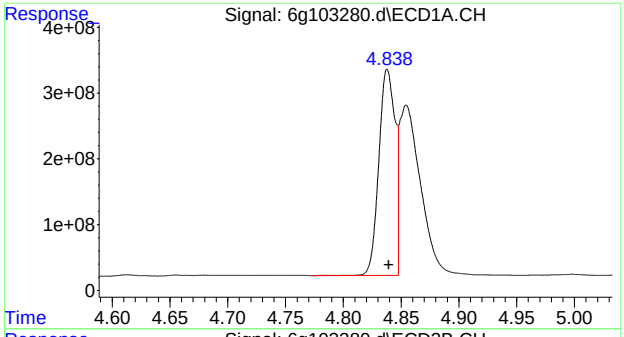
#26 Decachlorobiphenyl

R.T.: 12.947 min
Delta R.T.: -0.007 min
Response: 1252172406
Conc: 2.41 PPB m



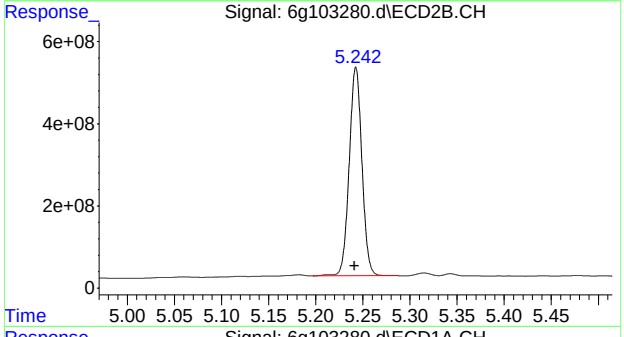
#26 Decachlorobiphenyl

R.T.: 14.863 min
Delta R.T.: 0.000 min
Response: 1539404444
Conc: 1.72 PPB m



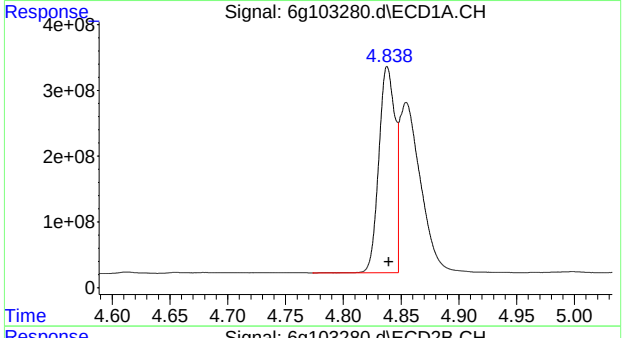
#27 1-bromo-2-nitrobenzeneA

R.T.: 4.838 min
Delta R.T.: -0.001 min
Response: 3050266781
Conc: 5.00 PPB



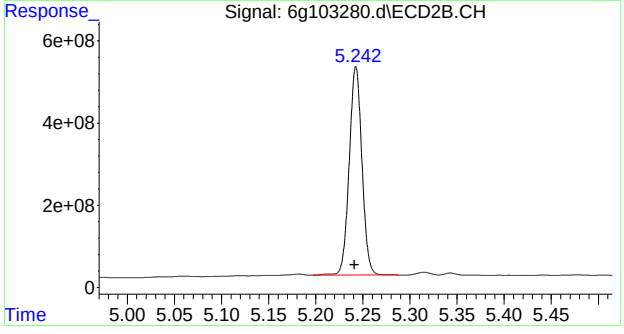
#27 1-bromo-2-nitrobenzeneA

R.T.: 5.243 min
Delta R.T.: 0.002 min
Response: 4775411765
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 4.838 min
Delta R.T.: -0.001 min
Response: 3050266781
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 5.243 min
Delta R.T.: 0.002 min
Response: 4775411765
Conc: 5.00 PPB

Manual Integrations APPROVED (compounds with "m" flag)
Syra Marie Pacheco 12/09/24 02:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\trude\g4g4521\
Data File : 4g9742104.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Dec 2024 3:02 pm
Operator : rebeccak
Sample : je1536-5 m
Misc : op59854,g4g4521,5.04,,,10,1
ALS Vial : 69 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 09 02:44:24 2024
Quant Method : C:\msdchem\1\data\trude\g4g4521\4PSTLVI4506.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 09 01:12:57 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1)	I 1-bromo-2...	4.892	5.211	805.0E6	271.2E6	5.000	5.000m
27)	I 1-bromo-2...	4.892	5.211	805.0E6	272.3E6	5.000	5.000m
33)	I 1-bromo-2...	4.892	5.211	805.0E6	270.8E6	5.000	5.000m
	System Monitoring Compounds						
2)	SAB Tetrachlo...	5.571	6.123	474.0E6	284.8E6	4.554	5.153
	Spiked Amount	40.000	Range 30 - 150	Recovery =		11.39%#	12.88%#
26)	SA Decachlor...	13.084	14.725	677.3E6	329.4E6	4.465m	10.524m#
	Spiked Amount	40.000		Recovery =		11.16%	26.31%
	Target Compounds						
11)	B Heptachlo...	8.018	9.198	93472856	29350650	0.444	0.428
12)	B gamma-Chl...	8.185	9.491	268.8E6	112.2E6	1.226m	1.699
13)	B alpha-Chl...	8.358	9.722	622.9E6	134.7E6	2.709	2.128
15)	B 4,4'-DDE	8.475	9.984	155.5E6	56526453	0.885m	0.971
16)	MA Dieldrin	8.876	10.264	54784890	21906782	0.240m	0.365 #
18)	A 4,4'-DDD	9.325	10.950	63688774	32291900	0.466m	0.807 #
20)	MA 4,4'-DDT	9.751	11.494	113.7E6	43405967	1.000m	1.588m#
	SemiQuant Compounds - Not Calibrated on this Instrument						

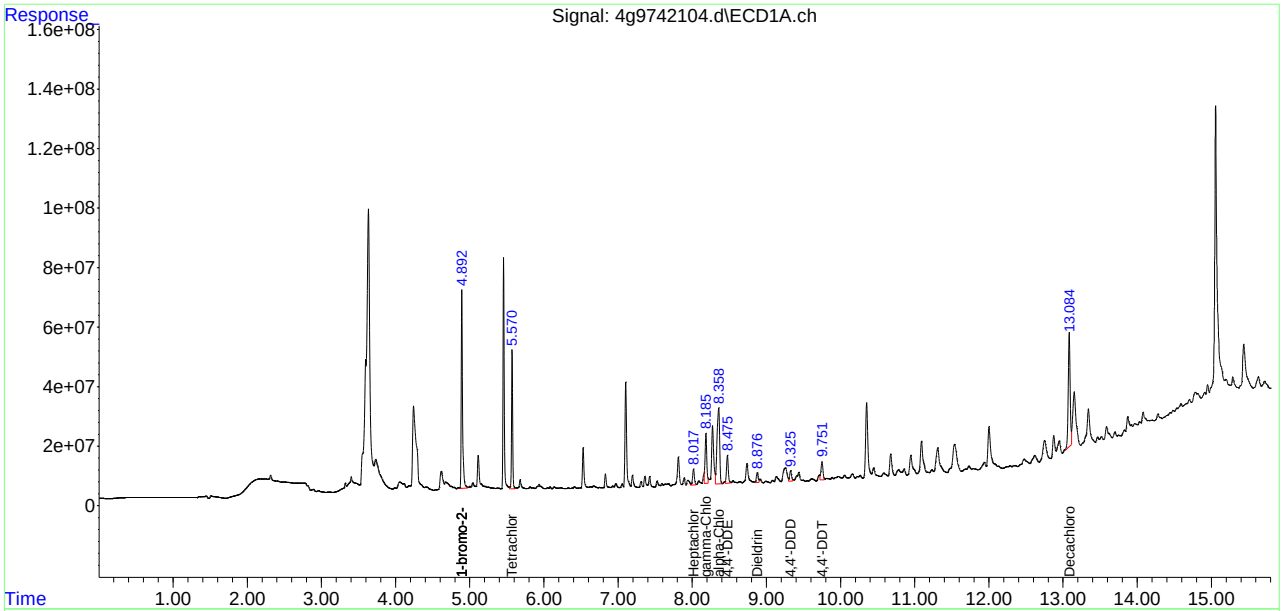
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

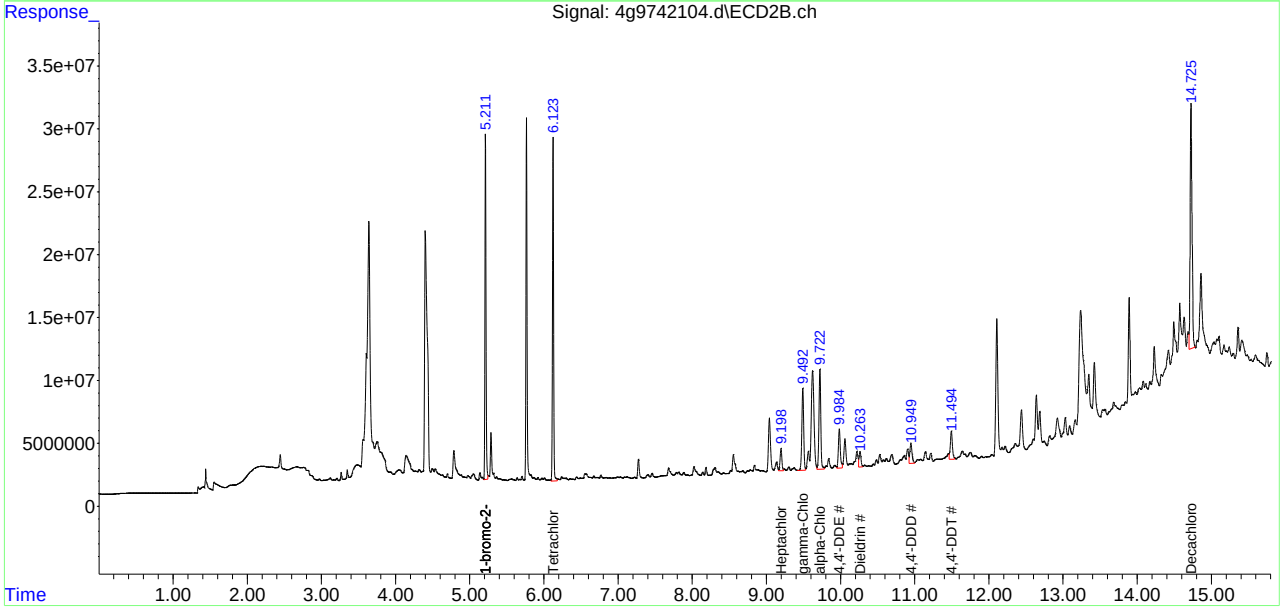
Quantitation Report (QT Reviewed)

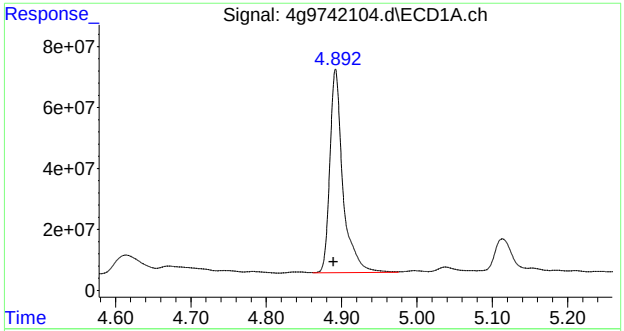
Data Path : C:\msdchem\1\data\trude\g4g4521\
Data File : 4g9742104.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Dec 2024 3:02 pm
Operator : rebeccak
Sample : je1536-5 m
Misc : op59854,g4g4521,5.04,,,10,1
ALS Vial : 69 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 09 02:44:24 2024
Quant Method : C:\msdchem\1\data\trude\g4g4521\4PSTLVI4506.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 09 01:12:57 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

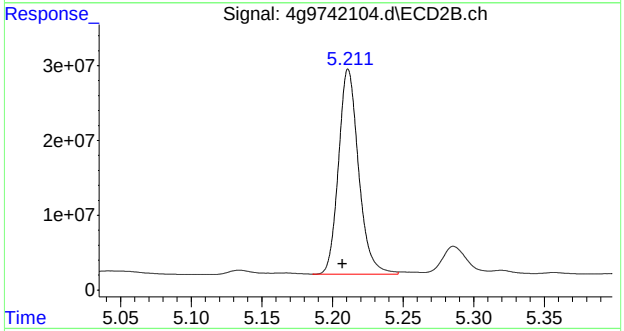






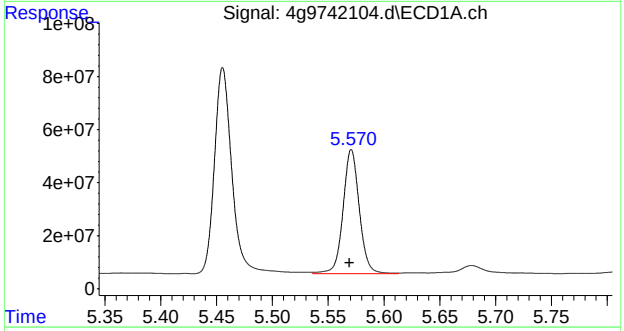
#1 1-bromo-2-nitrobenzene

R.T.: 4.892 min
Delta R.T.: 0.003 min
Response: 804964102
Conc: 5.00 PPB



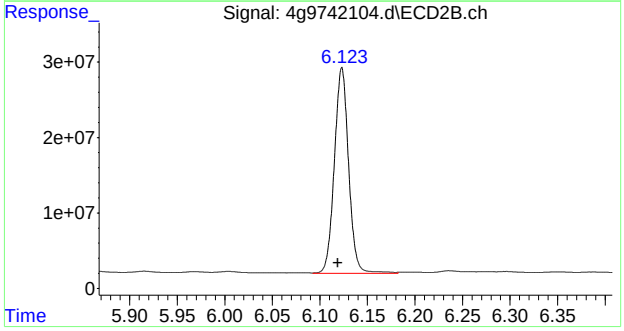
#1 1-bromo-2-nitrobenzene

R.T.: 5.211 min
Delta R.T.: 0.004 min
Response: 271167657
Conc: 5.00 PPB m



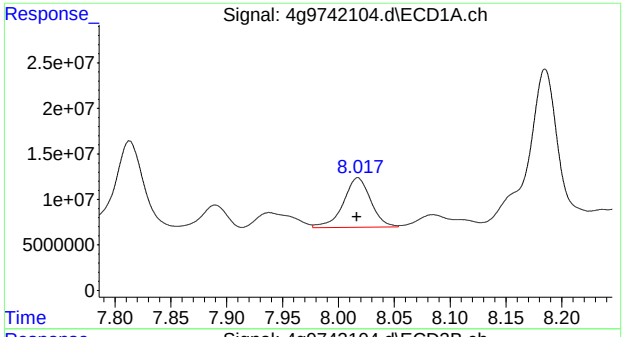
#2 Tetrachloro-m-xylene

R.T.: 5.571 min
Delta R.T.: 0.002 min
Response: 474021165
Conc: 4.55 PPB



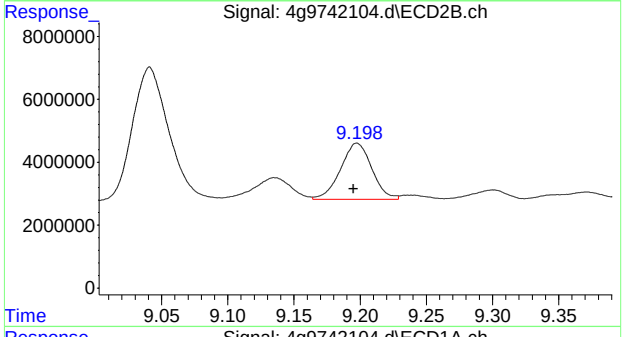
#2 Tetrachloro-m-xylene

R.T.: 6.123 min
Delta R.T.: 0.005 min
Response: 284811814
Conc: 5.15 PPB



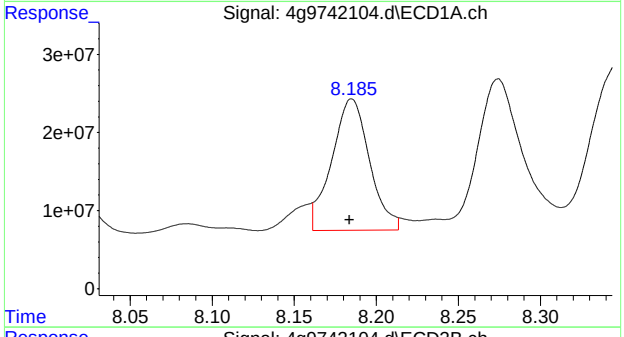
#11 Heptachlor Epoxide

R.T.: 8.018 min
Delta R.T.: 0.001 min
Response: 93472856
Conc: 0.44 PPB



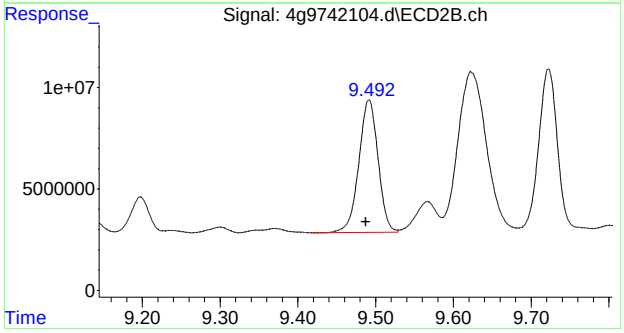
#11 Heptachlor Epoxide

R.T.: 9.198 min
Delta R.T.: 0.003 min
Response: 29350650
Conc: 0.43 PPB



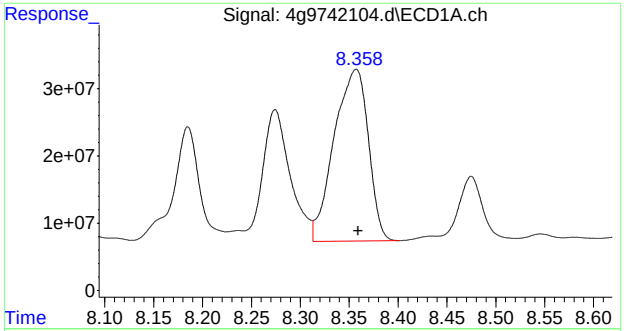
#12 gamma-Chlordane

R.T.: 8.185 min
Delta R.T.: 0.001 min
Response: 268812333
Conc: 1.23 PPB m



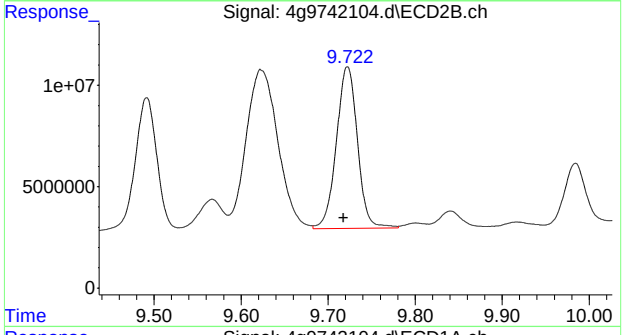
#12 gamma-Chlordane

R.T.: 9.491 min
Delta R.T.: 0.004 min
Response: 112203815
Conc: 1.70 PPB



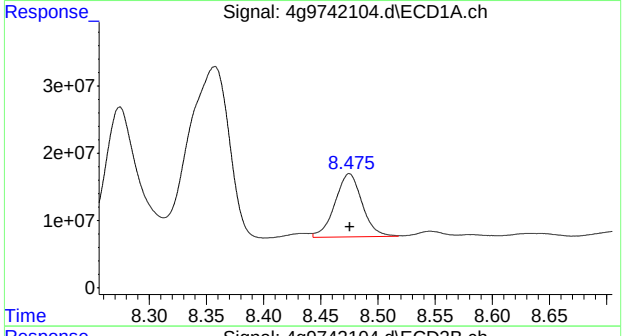
#13 alpha-Chlordane

R.T.: 8.358 min
Delta R.T.: -0.001 min
Response: 622855798
Conc: 2.71 PPB



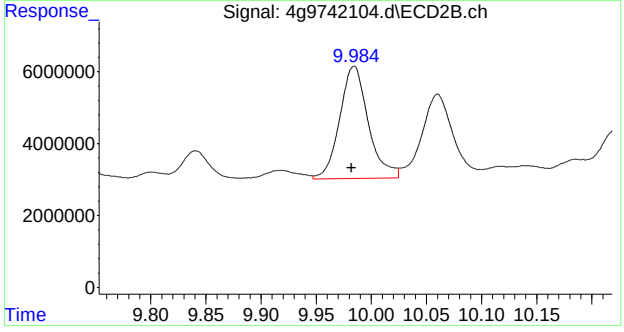
#13 alpha-Chlordane

R.T.: 9.722 min
Delta R.T.: 0.005 min
Response: 134712024
Conc: 2.13 PPB



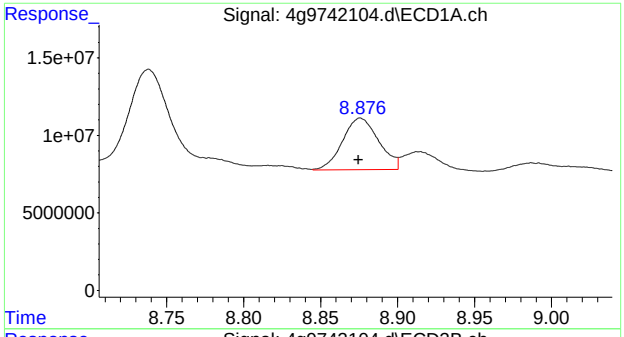
#15 4,4'-DDE

R.T.: 8.475 min
Delta R.T.: 0.000 min
Response: 155538517
Conc: 0.88 PPB m



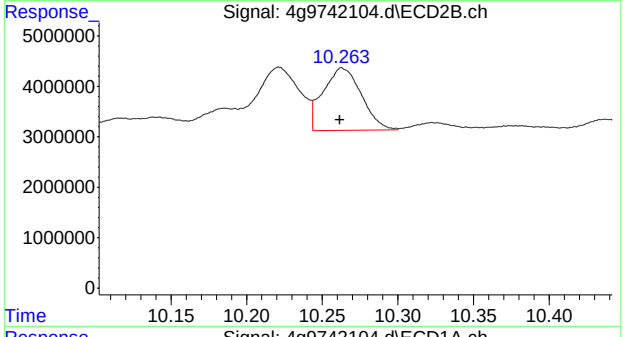
#15 4,4'-DDE

R.T.: 9.984 min
Delta R.T.: 0.002 min
Response: 56526453
Conc: 0.97 PPB



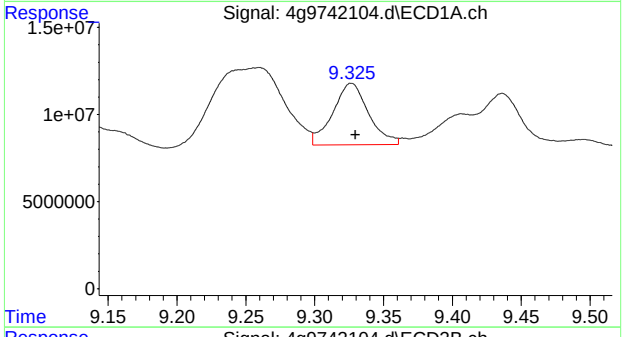
#16 Dieldrin

R.T.: 8.876 min
Delta R.T.: 0.001 min
Response: 54784890
Conc: 0.24 PPB m



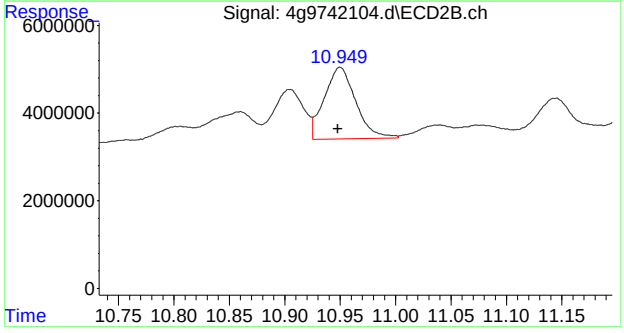
#16 Dieldrin

R.T.: 10.264 min
Delta R.T.: 0.002 min
Response: 21906782
Conc: 0.36 PPB



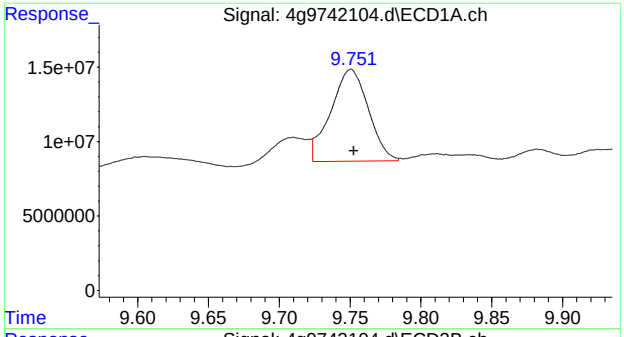
#18 4,4'-DDD

R.T.: 9.325 min
Delta R.T.: -0.004 min
Response: 63688774
Conc: 0.47 PPB m



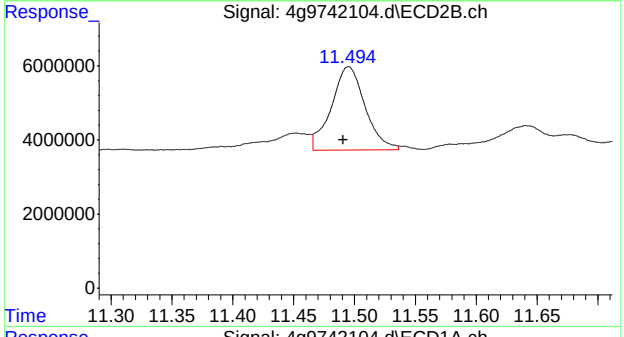
#18 4,4'-DDD

R.T.: 10.950 min
Delta R.T.: 0.002 min
Response: 32291900
Conc: 0.81 PPB



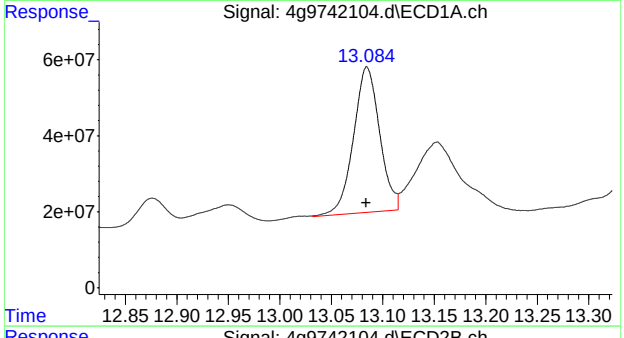
#20 4,4'-DDT

R.T.: 9.751 min
Delta R.T.: -0.002 min
Response: 113711510
Conc: 1.00 PPB m



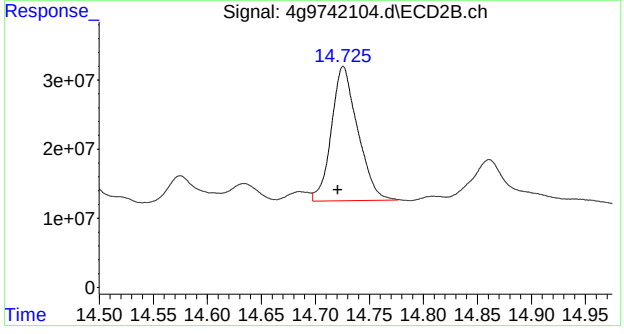
#20 4,4'-DDT

R.T.: 11.494 min
Delta R.T.: 0.004 min
Response: 43405967
Conc: 1.59 PPB m



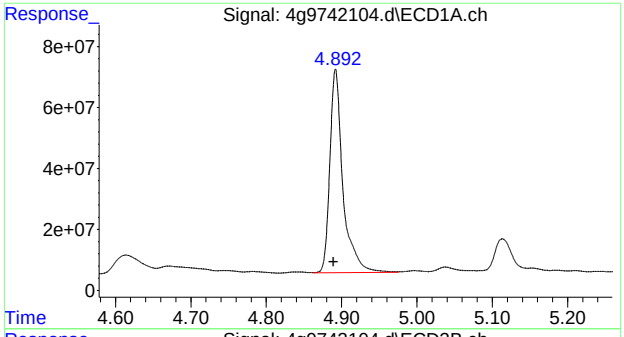
#26 Decachlorobiphenyl

R.T.: 13.084 min
Delta R.T.: 0.000 min
Response: 677330256
Conc: 4.47 PPB m



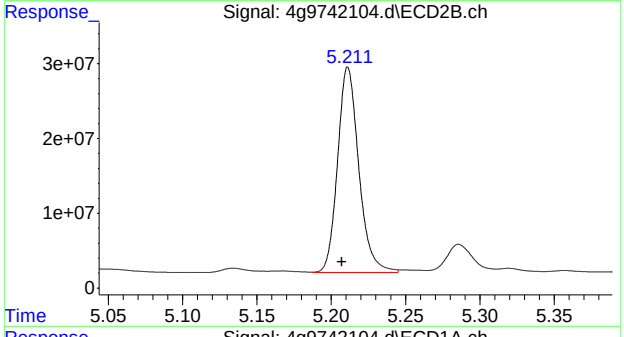
#26 Decachlorobiphenyl

R.T.: 14.725 min
Delta R.T.: 0.005 min
Response: 329392905
Conc: 10.52 PPB m



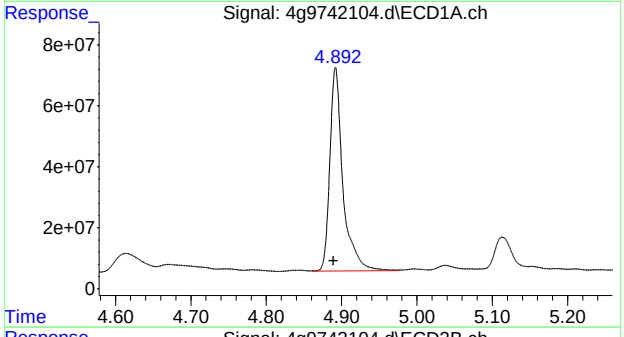
#27 1-bromo-2-nitrobenzeneA

R.T.: 4.892 min
Delta R.T.: 0.003 min
Response: 804964102
Conc: 5.00 PPB



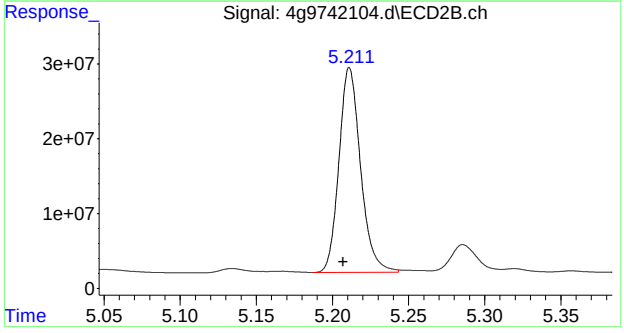
#27 1-bromo-2-nitrobenzeneA

R.T.: 5.211 min
Delta R.T.: 0.004 min
Response: 272265802
Conc: 5.00 PPB m



#33 1-bromo-2-nitrobenzeneB

R.T.: 4.892 min
Delta R.T.: 0.003 min
Response: 804964102
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 5.211 min
Delta R.T.: 0.004 min
Response: 270782494
Conc: 5.00 PPB m

Manual Integrations APPROVED (compounds with "m" flag)
Syra Marie Pacheco 12/09/24 02:15

Quantitation Report (QT Reviewed)

Data Path : V:\completed\2024\12. December\12-09-2024\g4g4521\
Data File : 4g9742105.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Dec 2024 3:26 pm
Operator : rebeccak
Sample : je1536-6 m
Misc : op59854,g4g4521,5.01,,,10,1
ALS Vial : 70 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 09 06:32:27 2024
Quant Method : C:\msdchem\1\data\trude\g4g4521\4PSTLVI4506.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 09 01:12:57 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1)	I 1-bromo-2...	4.893	5.211	886.2E6	350.8E6	5.000m	5.000
27)	I 1-bromo-2...	4.897	5.211	994.7E6	350.8E6	5.000m	5.000
33)	I 1-bromo-2...	4.893	5.211	848.3E6	350.8E6	5.000m	5.000
	System Monitoring Compounds						
2)	SAB Tetrachlo...	5.570	6.122	501.4E6	282.4E6	4.375m	3.949m
	Spiked Amount 40.000	Range 30 - 150		Recovery =		10.94%#	9.87%#
26)	SA Decachlor...	13.090	14.741f	666.1E6	761.6E6	3.988m	18.808m#
	Spiked Amount 40.000			Recovery =		9.97%	47.02%
	Target Compounds						
11)	B Heptachlo...	8.019	9.198	56174275	19821066	0.242m	0.223m
12)	B gamma-Chl...	8.186	9.494	193.7E6	108.2E6	0.802m	1.266m#
13)	B alpha-Chl...	8.360	9.723	344.4E6	85775956	1.360m	1.047m
14)	A Endosulfan I	8.549	9.841f	53849152	18364111	0.224m	0.233m
15)	B 4,4'-DDE	8.475	9.984	278.2E6	76319131	1.438m	1.013m#
16)	MA Dieldrin	8.875	10.265	36951054	18923268	0.147m	0.244m#
18)	A 4,4'-DDD	9.327	10.951	97290472	69444734	0.647m	1.341 #
20)	MA 4,4'-DDT	9.744	11.504	176.9E6	26974498	1.374m	0.825m#
	SemiQuant Compounds - Not Calibrated on this Instrument						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

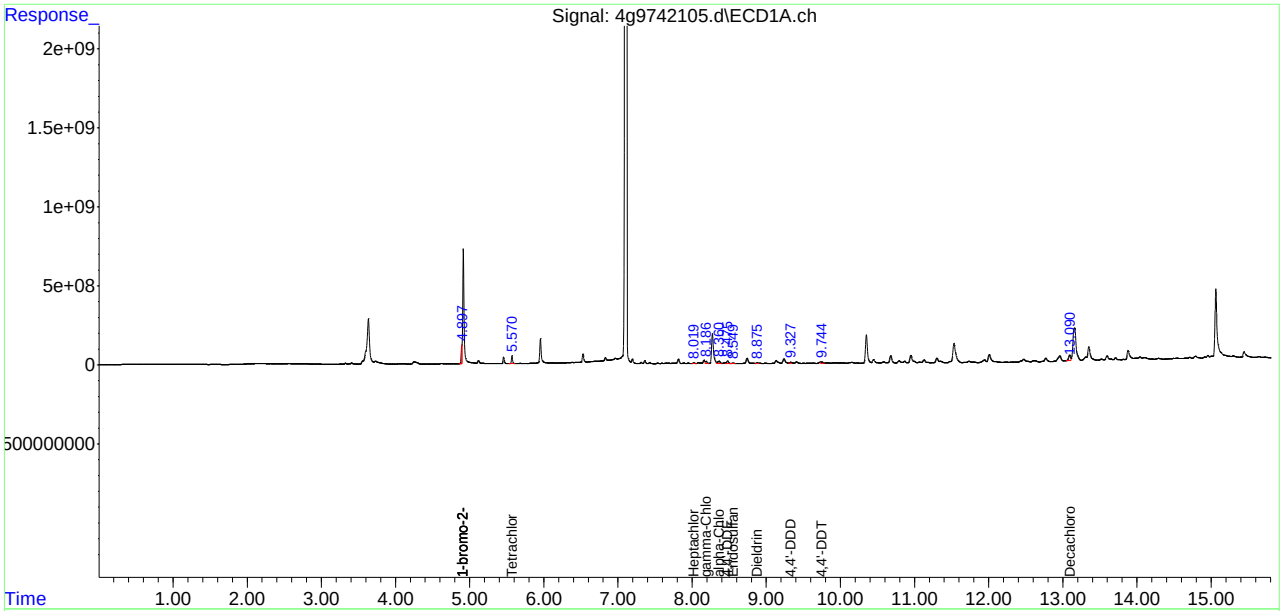
11.1.6 11

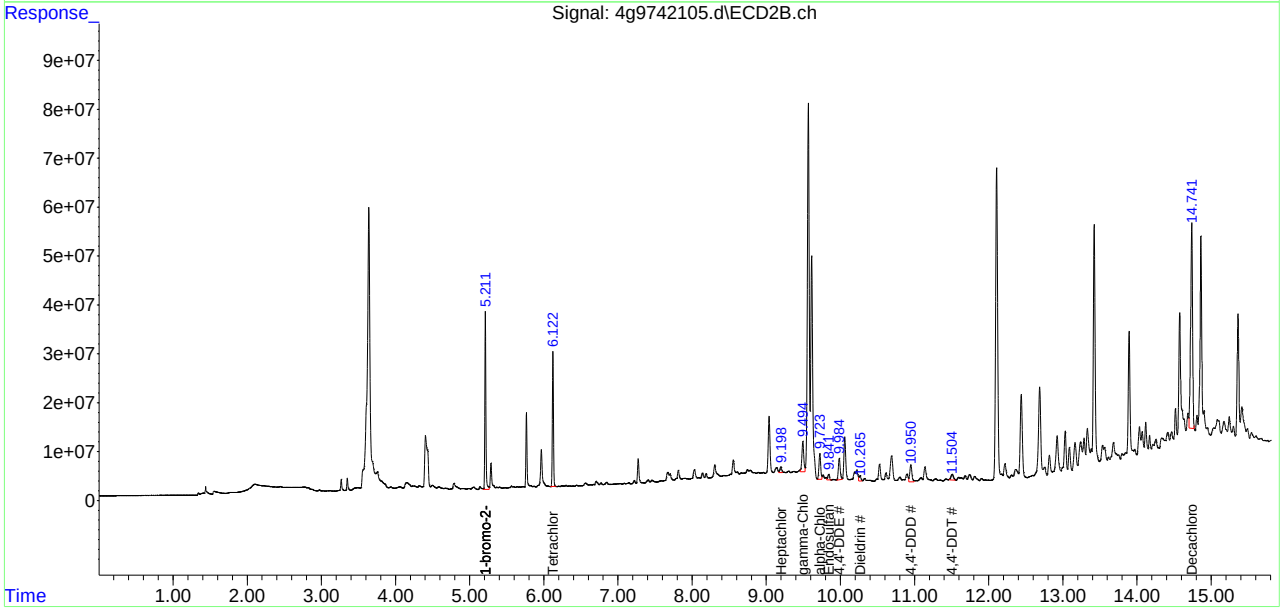
Quantitation Report (QT Reviewed)

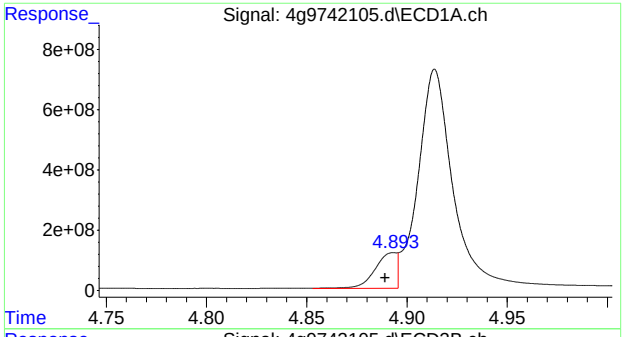
Data Path : V:\completed\2024\12. December\12-09-2024\g4g4521\
Data File : 4g9742105.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Dec 2024 3:26 pm
Operator : rebeccak
Sample : je1536-6 m
Misc : op59854,g4g4521,5.01,,,10,1
ALS Vial : 70 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 09 06:32:27 2024
Quant Method : C:\msdchem\1\data\trude\g4g4521\4PSTLVI4506.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 09 01:12:57 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

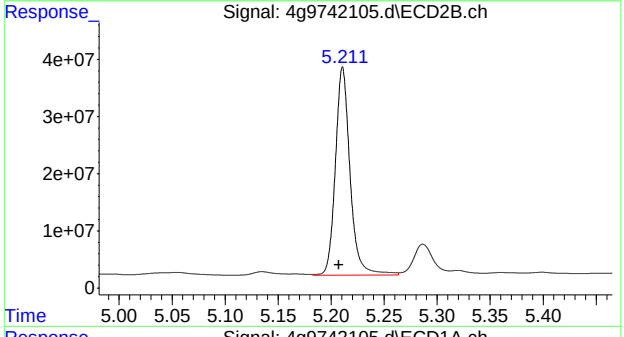






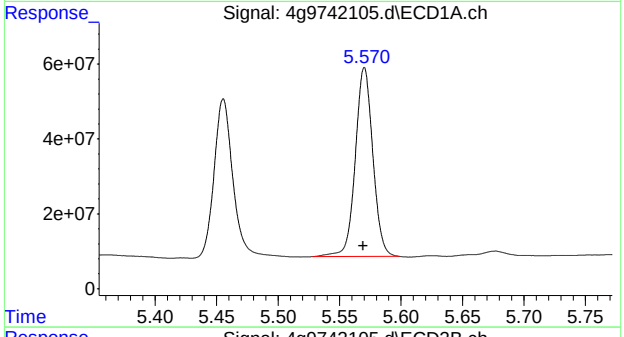
#1 1-bromo-2-nitrobenzene

R.T.: 4.893 min
Delta R.T.: 0.004 min
Response: 886213933
Conc: 5.00 PPB m



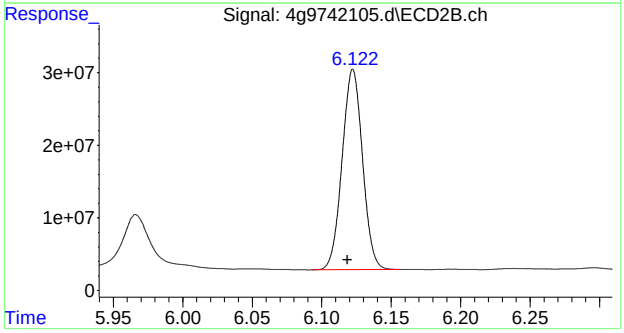
#1 1-bromo-2-nitrobenzene

R.T.: 5.211 min
Delta R.T.: 0.004 min
Response: 350826207
Conc: 5.00 PPB



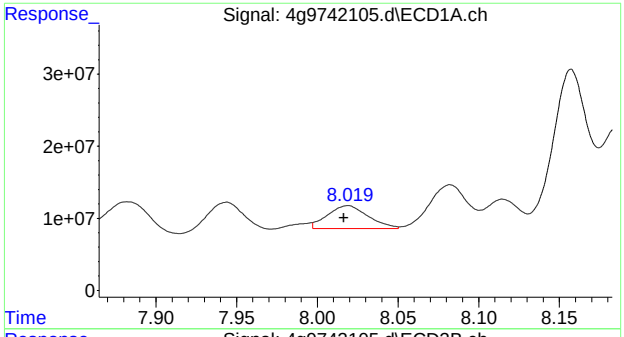
#2 Tetrachloro-m-xylene

R.T.: 5.570 min
Delta R.T.: 0.000 min
Response: 501416474
Conc: 4.38 PPB m



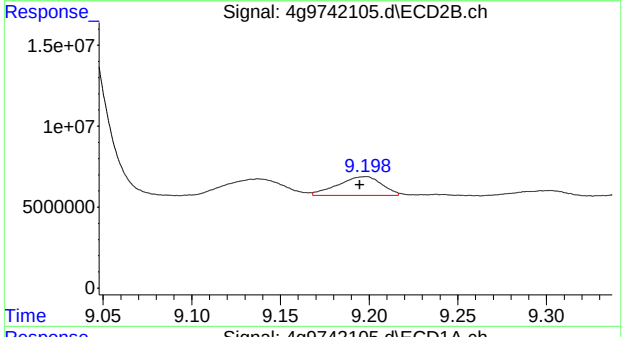
#2 Tetrachloro-m-xylene

R.T.: 6.122 min
Delta R.T.: 0.004 min
Response: 282426878
Conc: 3.95 PPB m



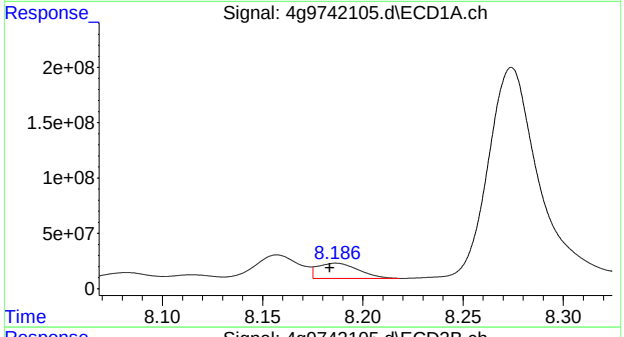
#11 Heptachlor Epoxide

R.T.: 8.019 min
Delta R.T.: 0.002 min
Response: 56174275
Conc: 0.24 PPB m



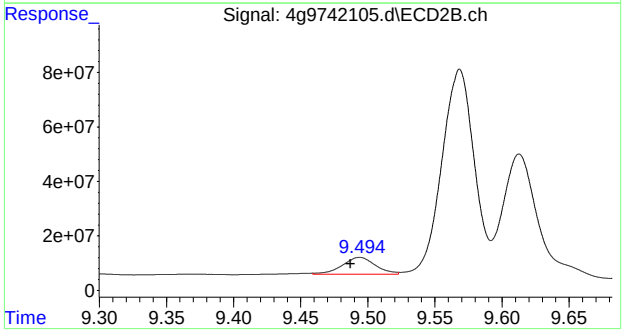
#11 Heptachlor Epoxide

R.T.: 9.198 min
Delta R.T.: 0.003 min
Response: 19821066
Conc: 0.22 PPB m



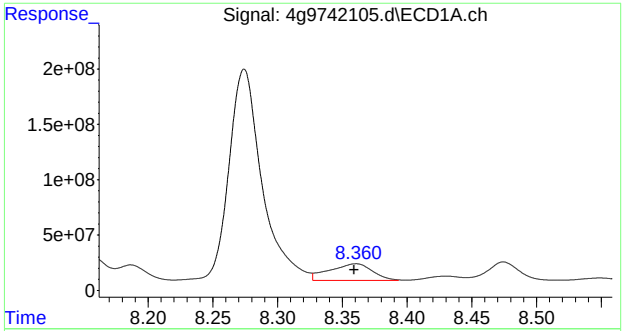
#12 gamma-Chlordane

R.T.: 8.186 min
Delta R.T.: 0.002 min
Response: 193694594
Conc: 0.80 PPB m



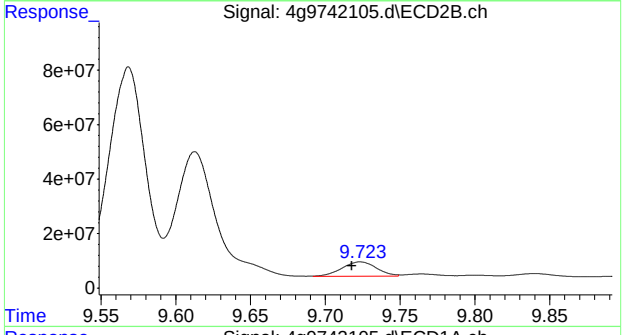
#12 gamma-Chlordane

R.T.: 9.494 min
Delta R.T.: 0.007 min
Response: 108186447
Conc: 1.27 PPB m



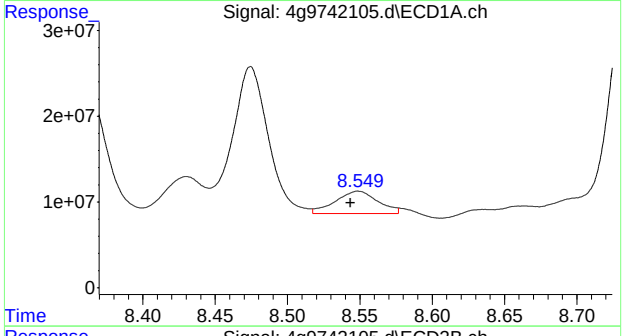
#13 alpha-Chlordane

R.T.: 8.360 min
Delta R.T.: 0.001 min
Response: 344379719
Conc: 1.36 PPB m



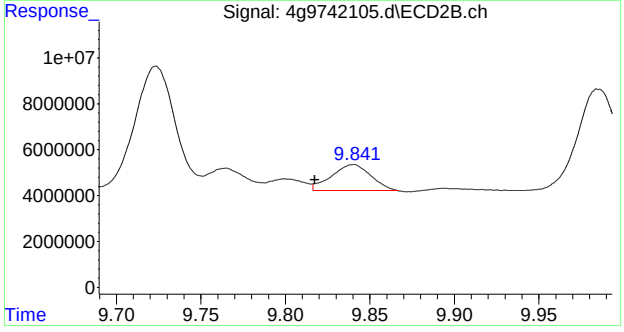
#13 alpha-Chlordane

R.T.: 9.723 min
Delta R.T.: 0.006 min
Response: 85775956
Conc: 1.05 PPB m



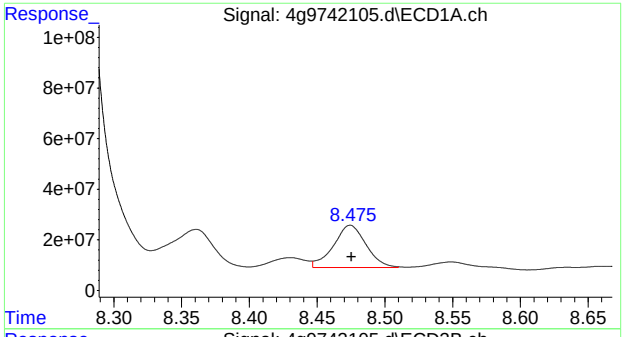
#14 Endosulfan I

R.T.: 8.549 min
Delta R.T.: 0.005 min
Response: 53849152
Conc: 0.22 PPB m



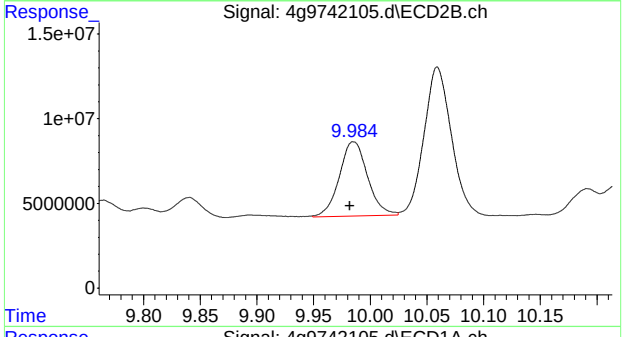
#14 Endosulfan I

R.T.: 9.841 min
Delta R.T.: 0.024 min
Response: 18364111
Conc: 0.23 PPB m



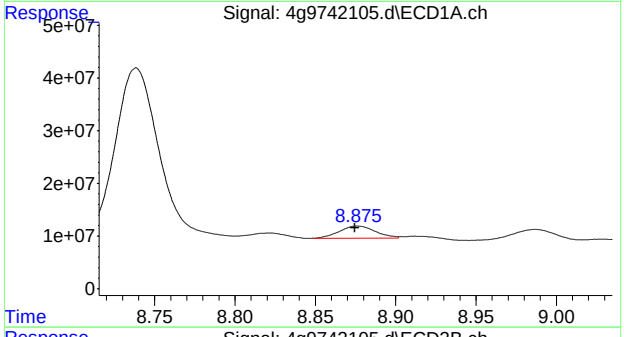
#15 4,4'-DDE

R.T.: 8.475 min
Delta R.T.: 0.000 min
Response: 278159138
Conc: 1.44 PPB m



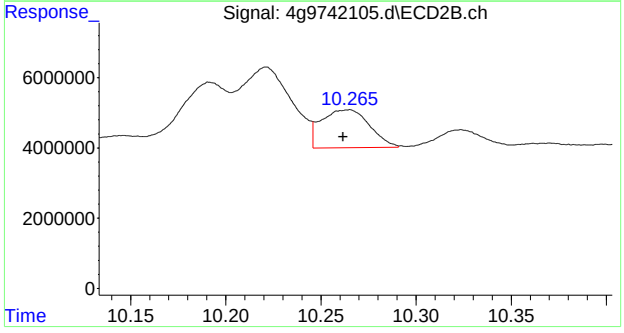
#15 4,4'-DDE

R.T.: 9.984 min
Delta R.T.: 0.002 min
Response: 76319131
Conc: 1.01 PPB m



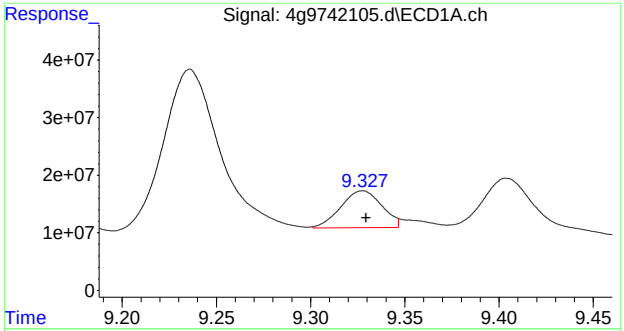
#16 Dieldrin

R.T.: 8.875 min
Delta R.T.: 0.000 min
Response: 36951054
Conc: 0.15 PPB m



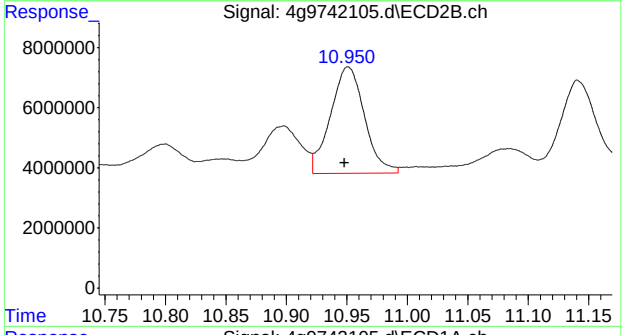
#16 Dieldrin

R.T.: 10.265 min
Delta R.T.: 0.004 min
Response: 18923268
Conc: 0.24 PPB m



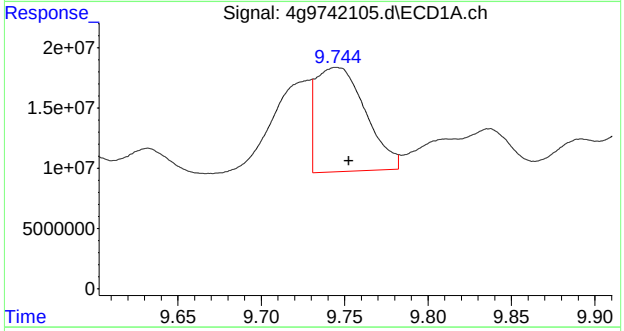
#18 4,4'-DDD

R.T.: 9.327 min
Delta R.T.: -0.002 min
Response: 97290472
Conc: 0.65 PPB m



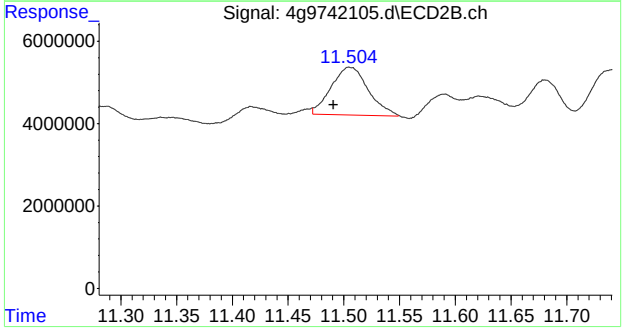
#18 4,4'-DDD

R.T.: 10.951 min
Delta R.T.: 0.003 min
Response: 69444734
Conc: 1.34 PPB



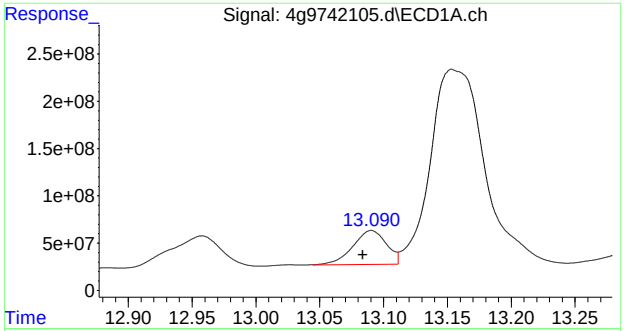
#20 4,4'-DDT

R.T.: 9.744 min
Delta R.T.: -0.008 min
Response: 176887131
Conc: 1.37 PPB m



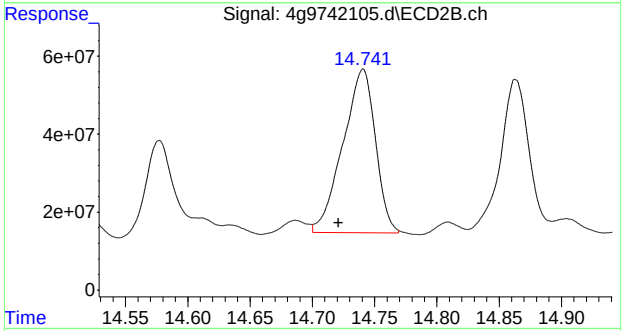
#20 4,4'-DDT

R.T.: 11.504 min
Delta R.T.: 0.014 min
Response: 26974498
Conc: 0.83 PPB m



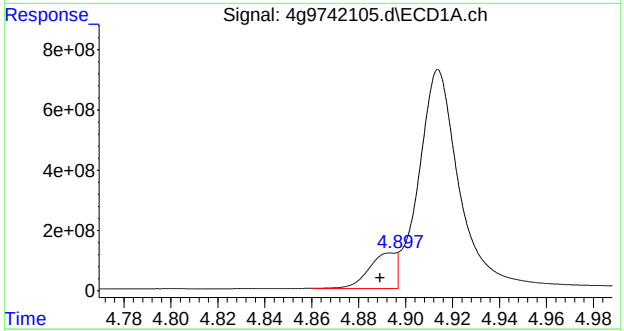
#26 Decachlorobiphenyl

R.T.: 13.090 min
Delta R.T.: 0.007 min
Response: 666063343
Conc: 3.99 PPB m



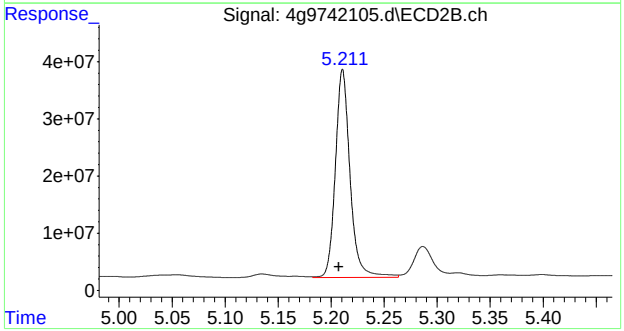
#26 Decachlorobiphenyl

R.T.: 14.741 min
Delta R.T.: 0.020 min
Response: 761646423
Conc: 18.81 PPB m



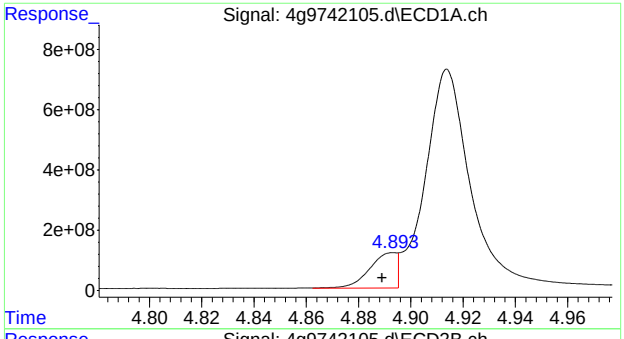
#27 1-bromo-2-nitrobenzeneA

R.T.: 4.897 min
Delta R.T.: 0.008 min
Response: 994721208
Conc: 5.00 PPB m



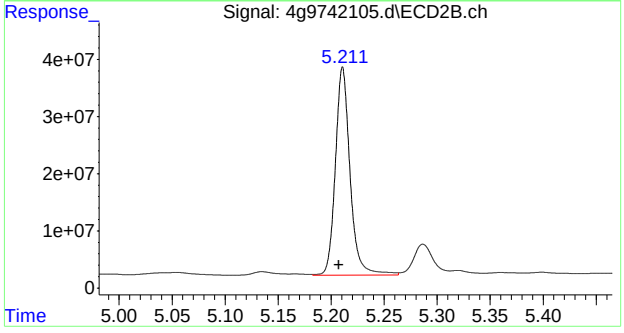
#27 1-bromo-2-nitrobenzeneA

R.T.: 5.211 min
Delta R.T.: 0.004 min
Response: 350826207
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 4.893 min
Delta R.T.: 0.004 min
Response: 848263301
Conc: 5.00 PPB m



#33 1-bromo-2-nitrobenzeneB

R.T.: 5.211 min
Delta R.T.: 0.004 min
Response: 350826207
Conc: 5.00 PPB

Manual Integrations APPROVED (compounds with "m" flag)
Syra Marie Pacheco 12/09/24 02:15

Quantitation Report (QT Reviewed)

Data Path : V:\completed\2024\12. December\12-09-2024\g4g4521\
Data File : 4g9742106.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Dec 2024 3:50 pm
Operator : rebeccak
Sample : je1536-7 m
Misc : op59854,g4g4521,5.01,,,10,1
ALS Vial : 71 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 09 06:33:01 2024
Quant Method : C:\msdchem\1\data\trude\g4g4521\4PSTLVI4506.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 09 01:12:57 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1)	I 1-bromo-2...	4.893	5.213	837.8E6	322.8E6	5.000	5.000m
27)	I 1-bromo-2...	4.893	5.213	837.8E6	323.1E6	5.000	5.000m
33)	I 1-bromo-2...	4.893	5.213	837.8E6	324.3E6	5.000	5.000m
	System Monitoring Compounds						
2)	SAB Tetrachlo...	5.574	6.126	510.4E6	278.6E6	4.711	4.234
	Spiked Amount 40.000	Range 30 - 150		Recovery =	11.78%#	10.59%#	
26)	SA Decachlor...	13.086	14.731	1083.3E6	774.0E6	6.861m	20.772m#
	Spiked Amount 40.000			Recovery =	17.15%	51.93%	
	Target Compounds						
11)	B Heptachlo...	8.020	9.199	99401976	33262924	0.453m	0.407m
12)	B gamma-Chl...	8.190	9.495	528.9E6	195.6E6	2.317m	2.488m
13)	B alpha-Chl...	8.362	9.725	977.6E6	229.5E6	4.084m	3.046 #
14)	A Endosulfan I	8.549	9.842f	55459816	18142820	0.244m	0.250m
15)	B 4,4'-DDE	8.478	9.987	353.3E6	88043703	1.931	1.270m#
16)	MA Dieldrin	8.879	10.267	145.1E6	36095103	0.611	0.505
18)	A 4,4'-DDD	9.330	10.951	79775260	68380763	0.561m	1.435m#
20)	MA 4,4'-DDT	9.752	11.502	246.3E6	54569786	1.955m	1.667m
	SemiQuant Compounds - Not Calibrated on this Instrument						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

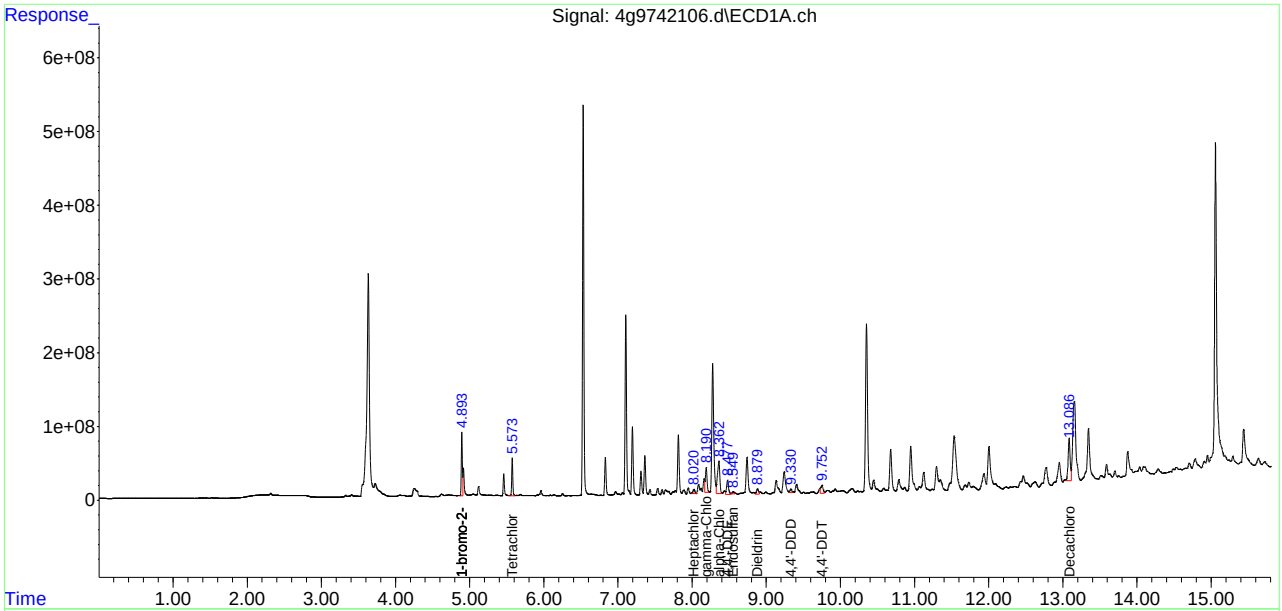
11.1.7 11

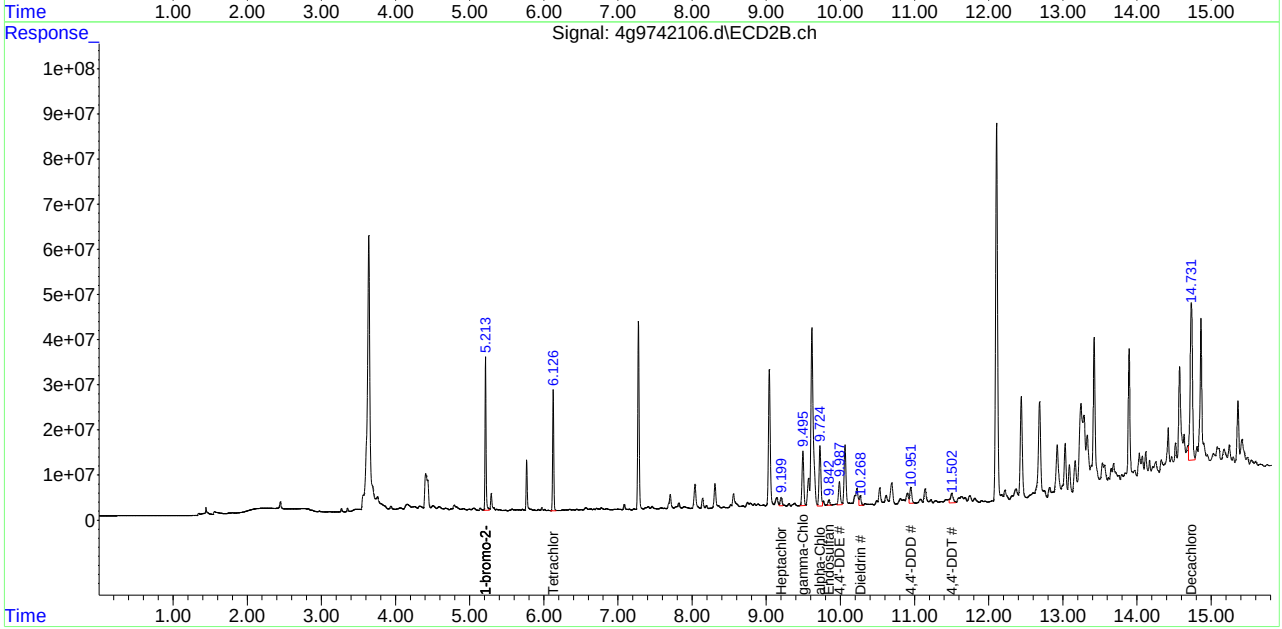
Quantitation Report (QT Reviewed)

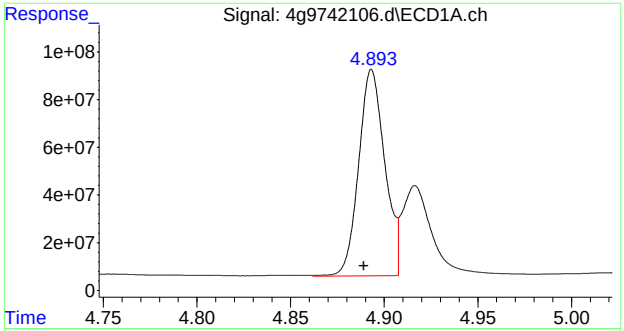
Data Path : V:\completed\2024\12. December\12-09-2024\g4g4521\
Data File : 4g9742106.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Dec 2024 3:50 pm
Operator : rebeccak
Sample : je1536-7 m
Misc : op59854,g4g4521,5.01,,,10,1
ALS Vial : 71 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 09 06:33:01 2024
Quant Method : C:\msdchem\1\data\trude\g4g4521\4PSTLVI4506.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 09 01:12:57 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

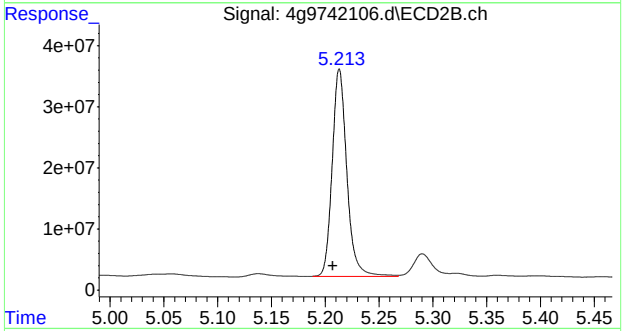






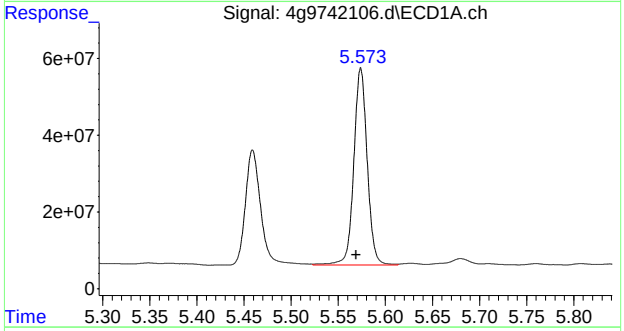
#1 1-bromo-2-nitrobenzene

R.T.: 4.893 min
Delta R.T.: 0.004 min
Response: 837827681
Conc: 5.00 PPB



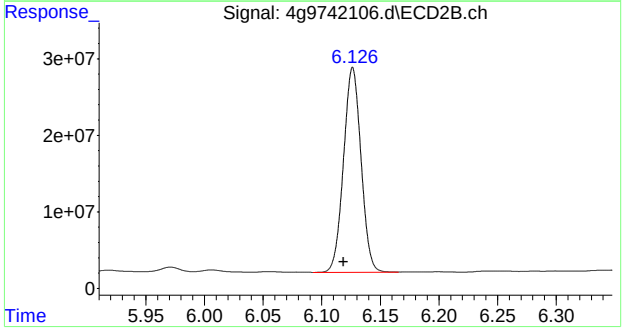
#1 1-bromo-2-nitrobenzene

R.T.: 5.213 min
Delta R.T.: 0.006 min
Response: 322809368
Conc: 5.00 PPB m



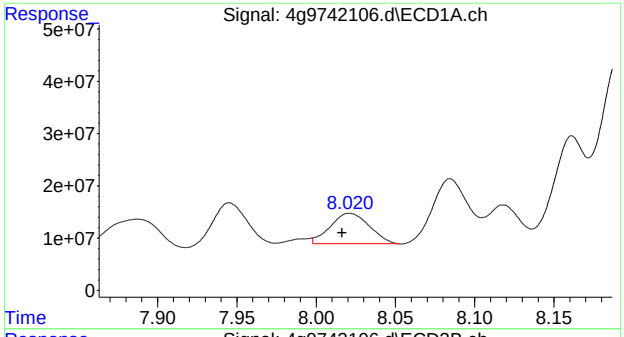
#2 Tetrachloro-m-xylene

R.T.: 5.574 min
Delta R.T.: 0.005 min
Response: 510424303
Conc: 4.71 PPB



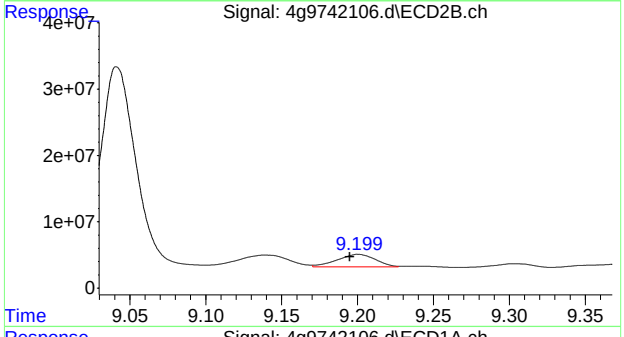
#2 Tetrachloro-m-xylene

R.T.: 6.126 min
Delta R.T.: 0.008 min
Response: 278587681
Conc: 4.23 PPB



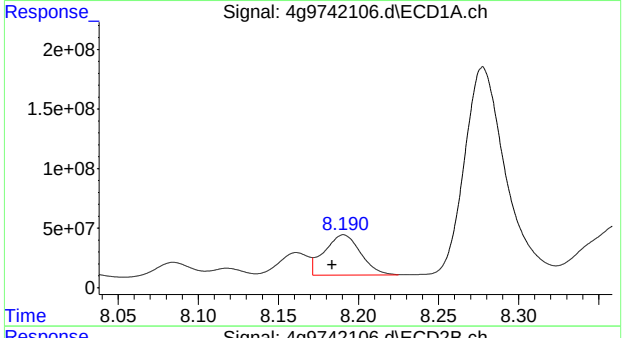
#11 Heptachlor Epoxide

R.T.: 8.020 min
Delta R.T.: 0.003 min
Response: 99401976
Conc: 0.45 PPB m



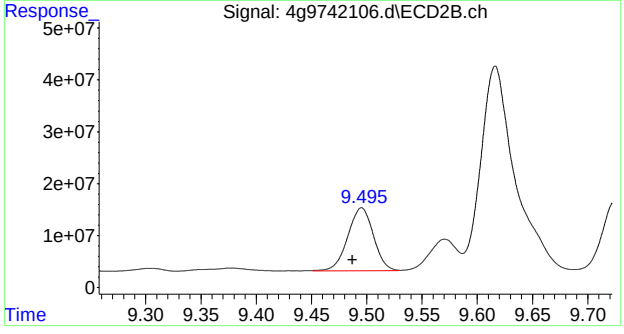
#11 Heptachlor Epoxide

R.T.: 9.199 min
Delta R.T.: 0.005 min
Response: 33262924
Conc: 0.41 PPB m



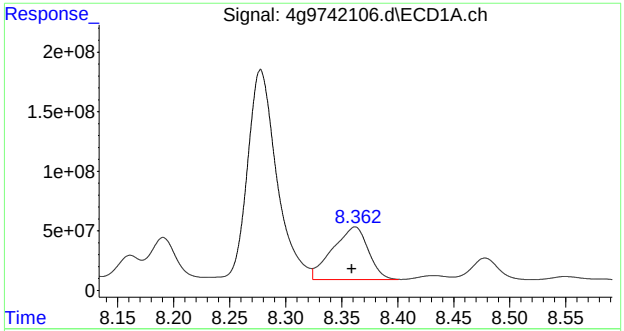
#12 gamma-Chlordane

R.T.: 8.190 min
Delta R.T.: 0.007 min
Response: 528939367
Conc: 2.32 PPB m



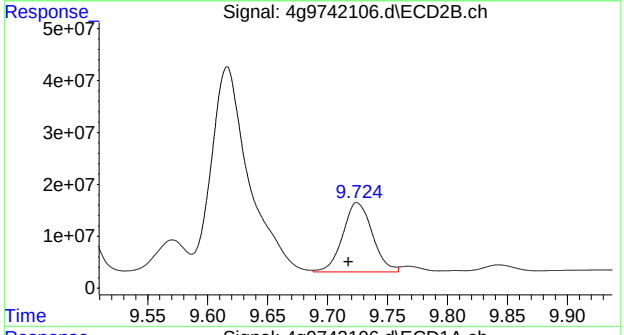
#12 gamma-Chlordane

R.T.: 9.495 min
Delta R.T.: 0.008 min
Response: 195571957
Conc: 2.49 PPB m



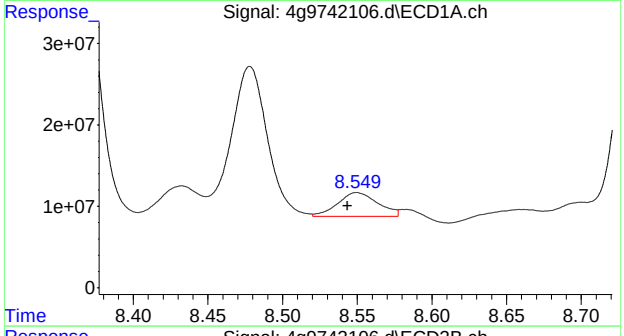
#13 alpha-Chlordane

R.T.: 8.362 min
Delta R.T.: 0.003 min
Response: 977578145
Conc: 4.08 PPB m



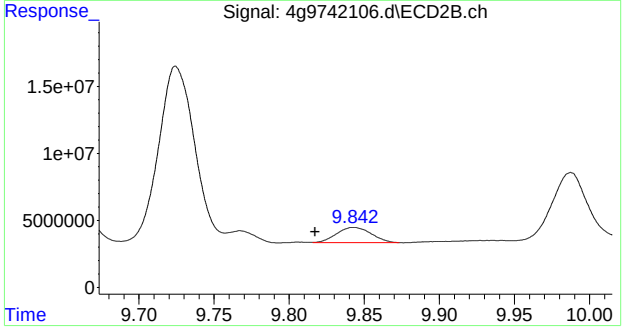
#13 alpha-Chlordane

R.T.: 9.725 min
Delta R.T.: 0.007 min
Response: 229520377
Conc: 3.05 PPB



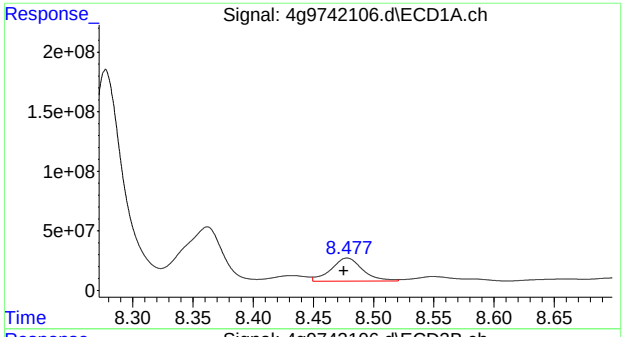
#14 Endosulfan I

R.T.: 8.549 min
Delta R.T.: 0.005 min
Response: 55459816
Conc: 0.24 PPB m



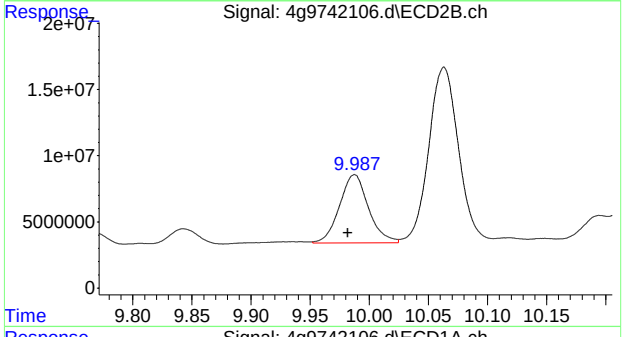
#14 Endosulfan I

R.T.: 9.842 min
Delta R.T.: 0.025 min
Response: 18142820
Conc: 0.25 PPB m



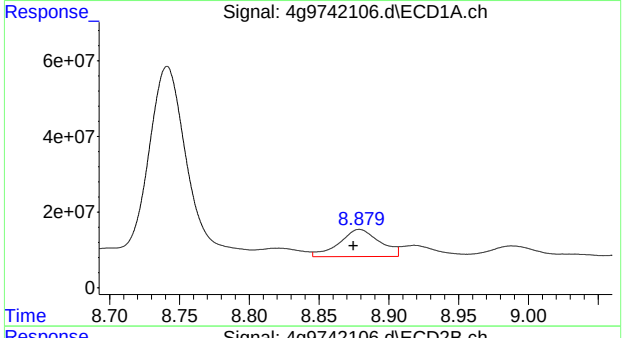
#15 4,4'-DDE

R.T.: 8.478 min
Delta R.T.: 0.003 min
Response: 353285550
Conc: 1.93 PPB



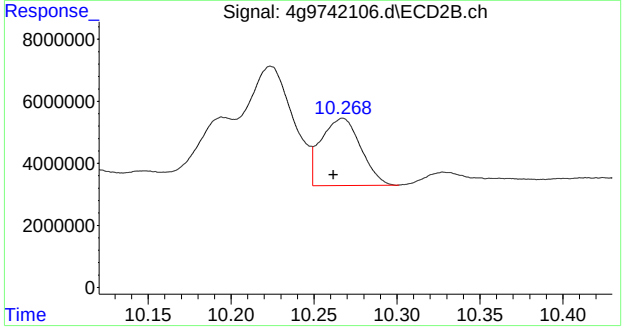
#15 4,4'-DDE

R.T.: 9.987 min
Delta R.T.: 0.006 min
Response: 88043703
Conc: 1.27 PPB m



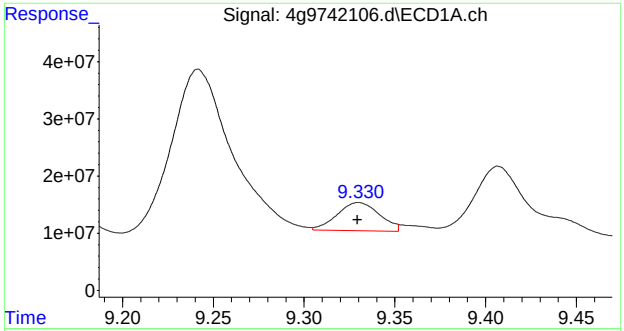
#16 Dieldrin

R.T.: 8.879 min
Delta R.T.: 0.005 min
Response: 145105324
Conc: 0.61 PPB



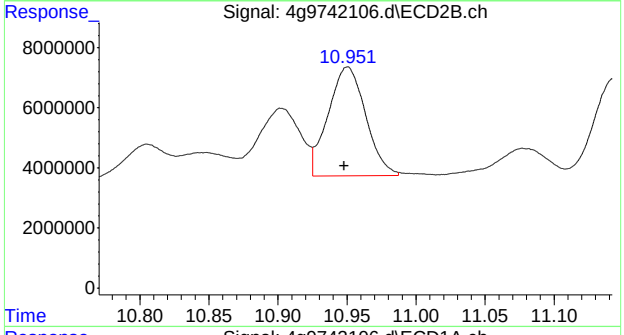
#16 Dieldrin

R.T.: 10.267 min
Delta R.T.: 0.005 min
Response: 36095103
Conc: 0.51 PPB



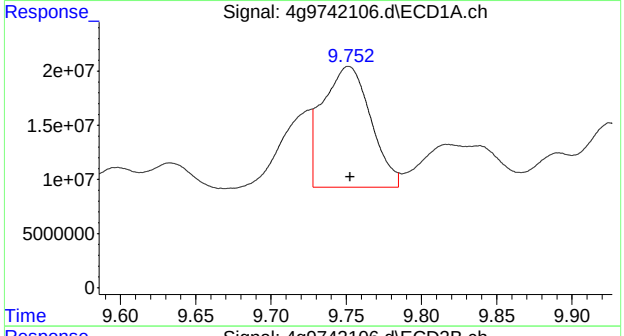
#18 4,4'-DDD

R.T.: 9.330 min
Delta R.T.: 0.000 min
Response: 79775260
Conc: 0.56 PPB m



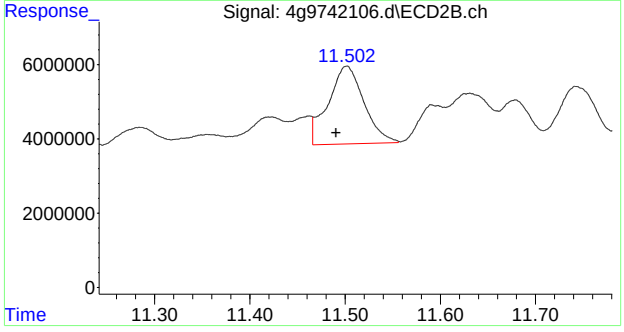
#18 4,4'-DDD

R.T.: 10.951 min
Delta R.T.: 0.003 min
Response: 68380763
Conc: 1.44 PPB m



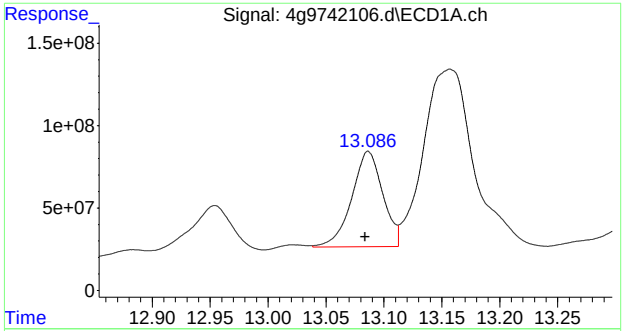
#20 4,4'-DDT

R.T.: 9.752 min
Delta R.T.: 0.000 min
Response: 246279135
Conc: 1.95 PPB m



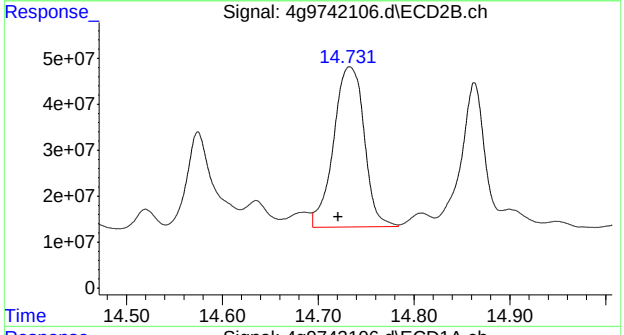
#20 4,4'-DDT

R.T.: 11.502 min
Delta R.T.: 0.011 min
Response: 54569786
Conc: 1.67 PPB m



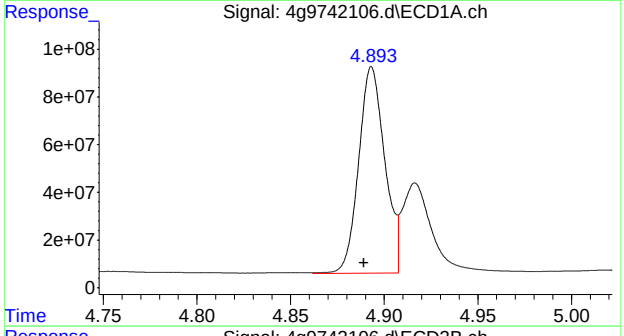
#26 Decachlorobiphenyl

R.T.: 13.086 min
Delta R.T.: 0.002 min
Response: 1083293400
Conc: 6.86 PPB m



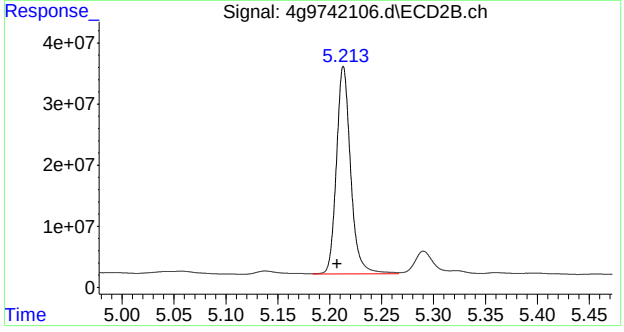
#26 Decachlorobiphenyl

R.T.: 14.731 min
Delta R.T.: 0.010 min
Response: 773985299
Conc: 20.77 PPB m



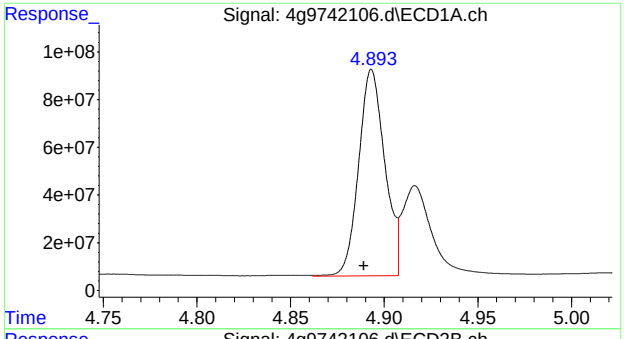
#27 1-bromo-2-nitrobenzeneA

R.T.: 4.893 min
Delta R.T.: 0.004 min
Response: 837827681
Conc: 5.00 PPB



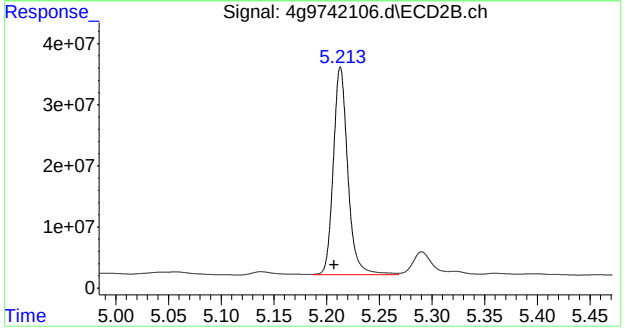
#27 1-bromo-2-nitrobenzeneA

R.T.: 5.213 min
Delta R.T.: 0.006 min
Response: 323149115
Conc: 5.00 PPB m



#33 1-bromo-2-nitrobenzeneB

R.T.: 4.893 min
Delta R.T.: 0.004 min
Response: 837827681
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 5.213 min
Delta R.T.: 0.006 min
Response: 324313963
Conc: 5.00 PPB m

Manual Integrations APPROVED (compounds with "m" flag)
Syra Marie Pacheco
12/09/24 02:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\trude\g4g4521\
Data File : 4g9742107.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Dec 2024 4:15 pm
Operator : rebeccak
Sample : je1536-8 m
Misc : op59854,g4g4521,5.01,,,10,1
ALS Vial : 72 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 09 02:56:52 2024
Quant Method : C:\msdchem\1\data\trude\g4g4521\4PSTLVI4506.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 09 01:12:57 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1)	I 1-bromo-2...	4.891	5.209	792.7E6	280.2E6	5.000m	5.000m
27)	I 1-bromo-2...	4.891	5.209	801.9E6	282.6E6	5.000m	5.000m
33)	I 1-bromo-2...	4.891	5.209	791.8E6	281.3E6	5.000m	5.000m
	System Monitoring Compounds						
2)	SAB Tetrachlo...	5.569	6.120	474.5E6	284.2E6	4.629m	4.977
	Spiked Amount	40.000	Range 30 - 150	Recovery =		11.57%#	12.44%#
26)	SA Decachlor...	13.085	14.725	666.9E6	272.3E6	4.465m	8.421m#
	Spiked Amount	40.000		Recovery =		11.16%	21.05%
	Target Compounds						
11)	B Heptachlo...	8.015	9.192	21813524	7344197	0.105m	0.104m
12)	B gamma-Chl...	8.183	9.490	22351598	21932527	0.104m	0.321m#
13)	B alpha-Chl...	8.340f	9.721	132.3E6	17925024	0.584	0.274m#
15)	B 4,4'-DDE	8.472	9.984	57519799	25483667	0.332m	0.424
16)	MA Dieldrin	8.875	10.262	18619951	8078560	0.083m	0.130 #
18)	A 4,4'-DDD	9.326	10.946	16711601	12999562	0.124m	0.314m#
20)	MA 4,4'-DDT	9.749	11.494	35629256	25356598	0.353	0.955 #
	SemiQuant Compounds - Not Calibrated on this Instrument						

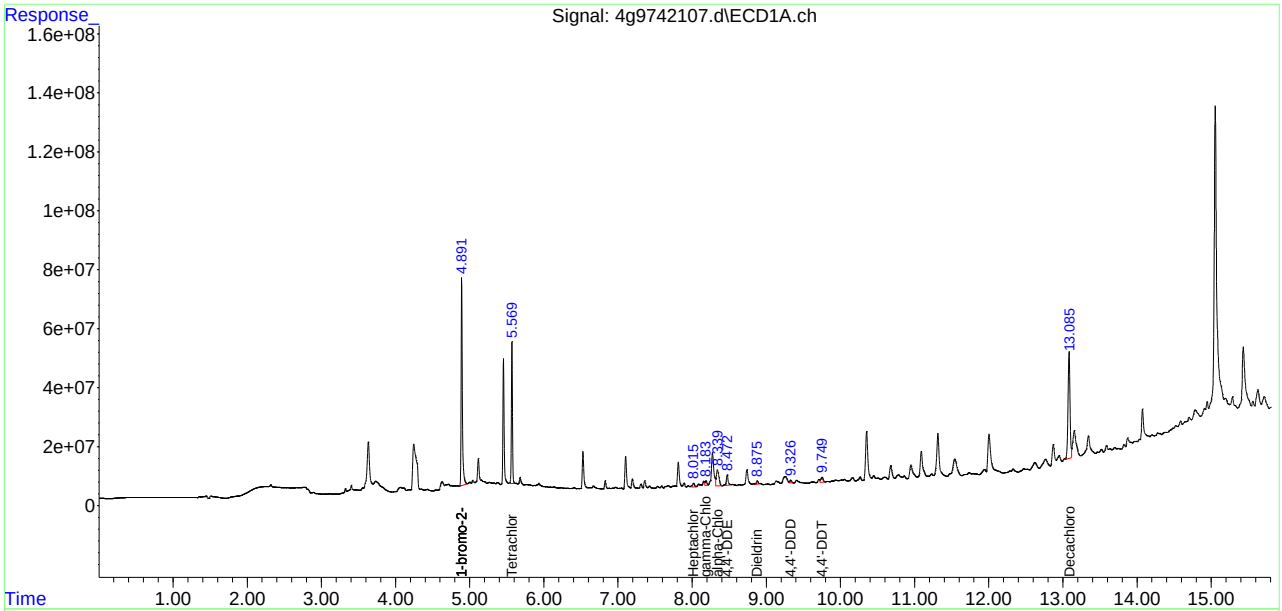
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

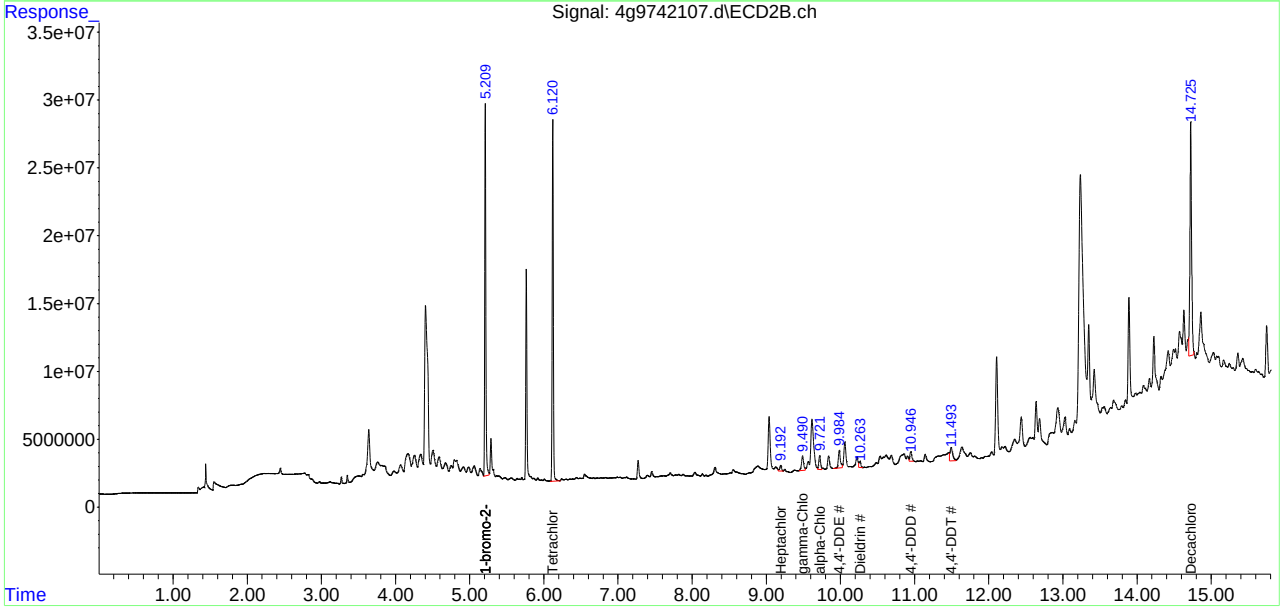
Quantitation Report (QT Reviewed)

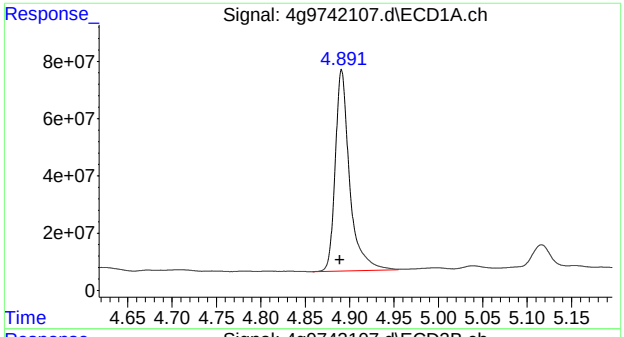
Data Path : C:\msdchem\1\data\trude\g4g4521\
Data File : 4g9742107.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Dec 2024 4:15 pm
Operator : rebeccak
Sample : je1536-8 m
Misc : op59854,g4g4521,5.01,,,10,1
ALS Vial : 72 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 09 02:56:52 2024
Quant Method : C:\msdchem\1\data\trude\g4g4521\4PSTLVI4506.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 09 01:12:57 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

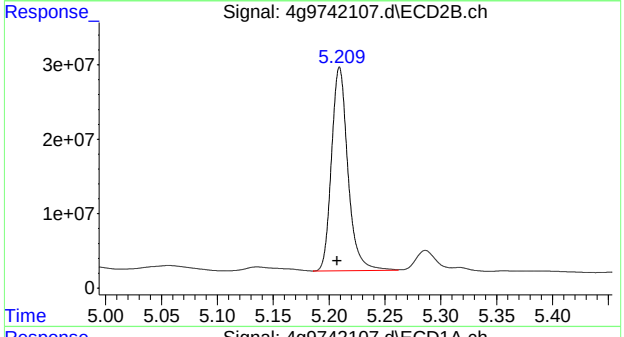






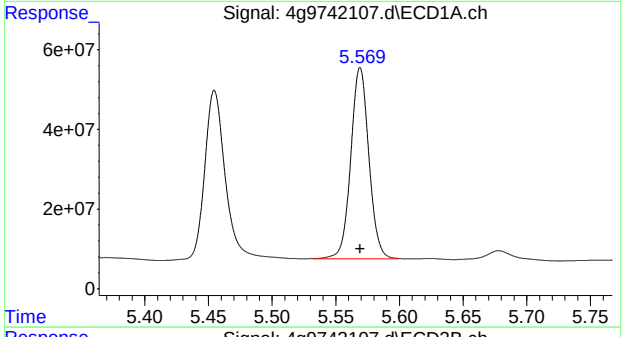
#1 1-bromo-2-nitrobenzene

R.T.: 4.891 min
Delta R.T.: 0.002 min
Response: 792681683
Conc: 5.00 PPB m



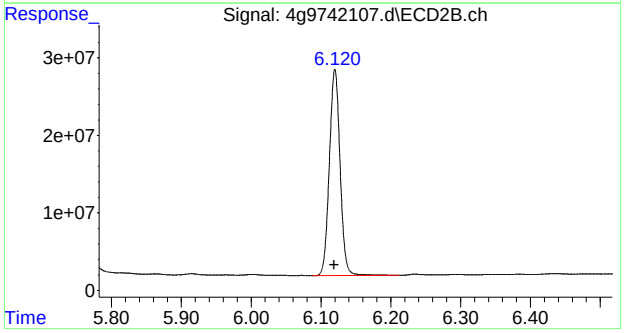
#1 1-bromo-2-nitrobenzene

R.T.: 5.209 min
Delta R.T.: 0.002 min
Response: 280157448
Conc: 5.00 PPB m



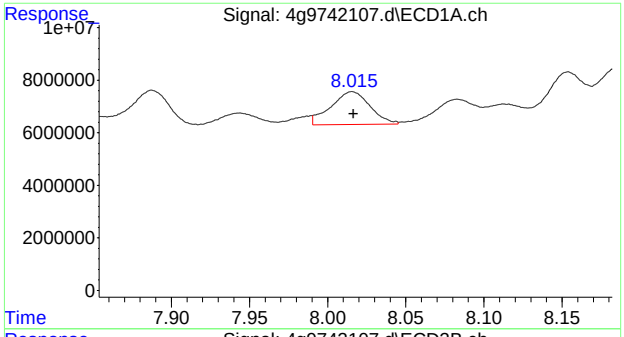
#2 Tetrachloro-m-xylene

R.T.: 5.569 min
Delta R.T.: 0.000 min
Response: 474497369
Conc: 4.63 PPB m



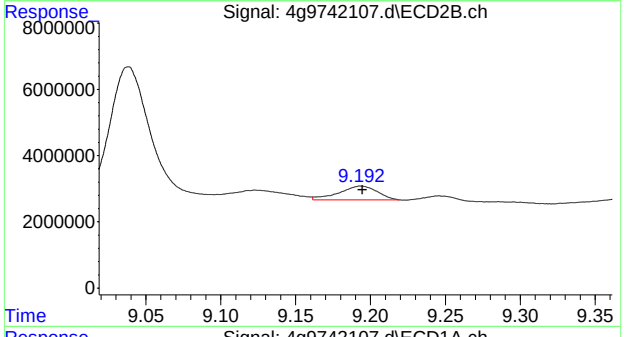
#2 Tetrachloro-m-xylene

R.T.: 6.120 min
Delta R.T.: 0.002 min
Response: 284222919
Conc: 4.98 PPB



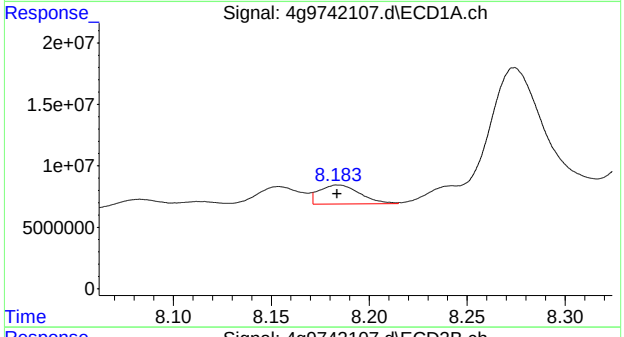
#11 Heptachlor Epoxide

R.T.: 8.015 min
Delta R.T.: -0.001 min
Response: 21813524
Conc: 0.11 PPB m



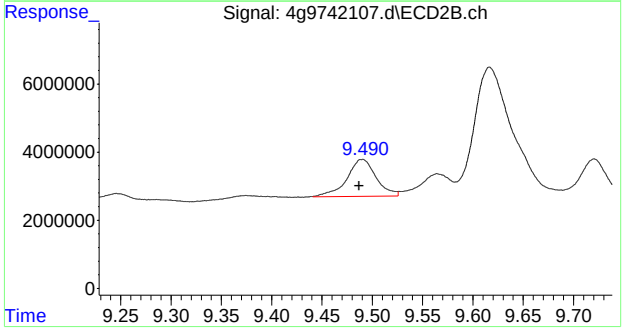
#11 Heptachlor Epoxide

R.T.: 9.192 min
Delta R.T.: -0.002 min
Response: 7344197
Conc: 0.10 PPB m



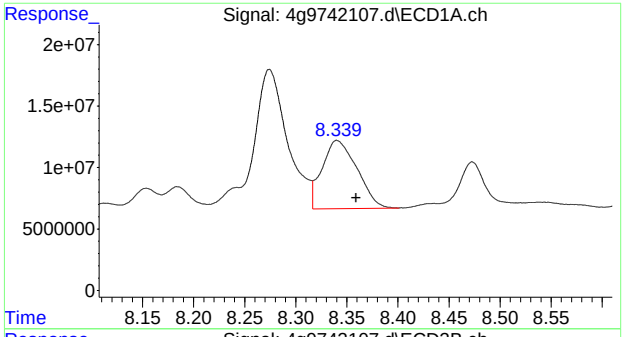
#12 gamma-Chlordane

R.T.: 8.183 min
Delta R.T.: 0.000 min
Response: 22351598
Conc: 0.10 PPB m



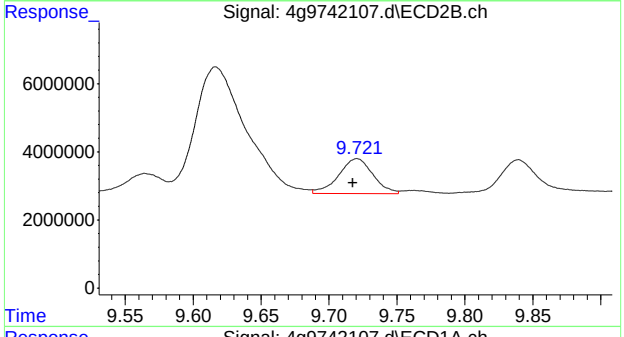
#12 gamma-Chlordane

R.T.: 9.490 min
Delta R.T.: 0.003 min
Response: 21932527
Conc: 0.32 PPB m



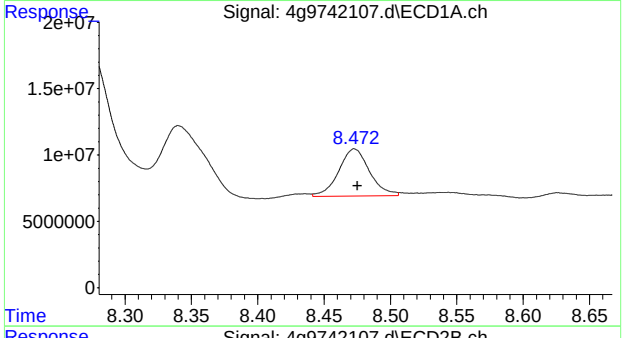
#13 alpha-Chlordane

R.T.: 8.340 min
Delta R.T.: -0.019 min
Response: 132268085
Conc: 0.58 PPB



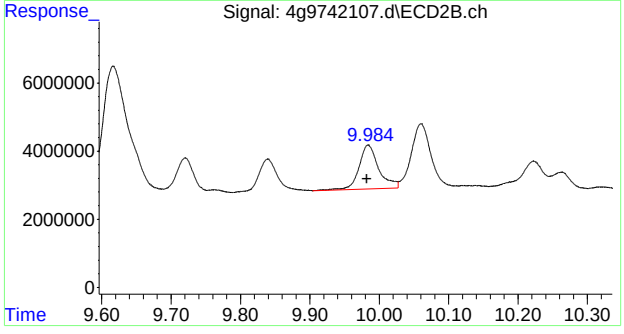
#13 alpha-Chlordane

R.T.: 9.721 min
Delta R.T.: 0.003 min
Response: 17925024
Conc: 0.27 PPB m



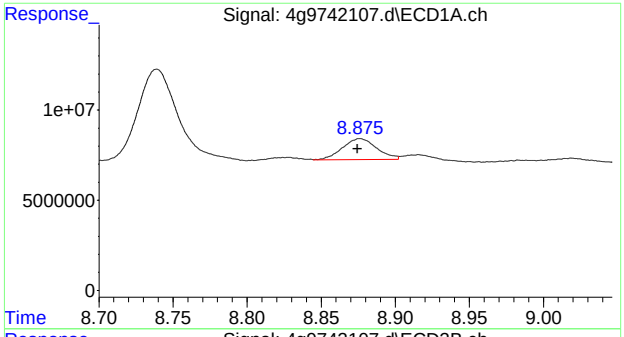
#15 4,4'-DDE

R.T.: 8.472 min
Delta R.T.: -0.003 min
Response: 57519799
Conc: 0.33 PPB m



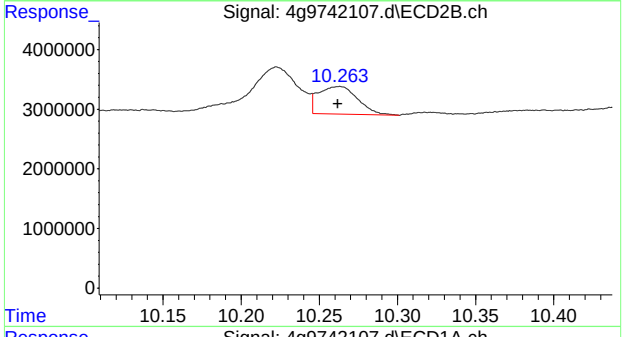
#15 4,4'-DDE

R.T.: 9.984 min
Delta R.T.: 0.002 min
Response: 25483667
Conc: 0.42 PPB



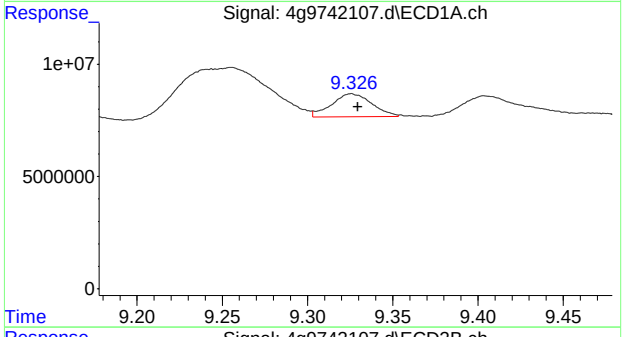
#16 Dieldrin

R.T.: 8.875 min
Delta R.T.: 0.000 min
Response: 18619951
Conc: 0.08 PPB m



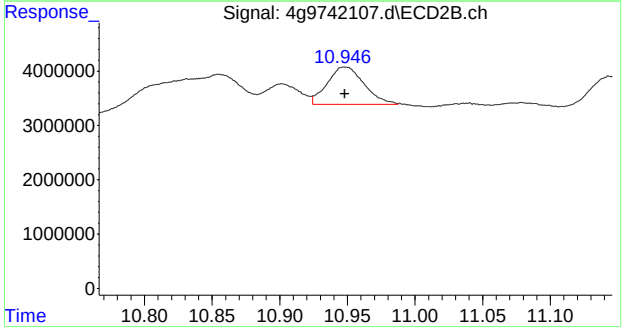
#16 Dieldrin

R.T.: 10.262 min
Delta R.T.: 0.000 min
Response: 8078560
Conc: 0.13 PPB



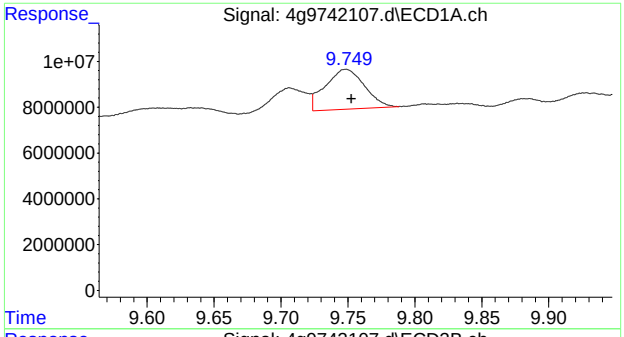
#18 4,4'-DDD

R.T.: 9.326 min
Delta R.T.: -0.004 min
Response: 16711601
Conc: 0.12 PPB m



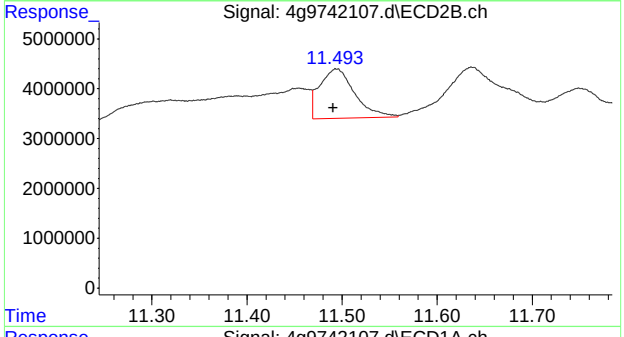
#18 4,4'-DDD

R.T.: 10.946 min
Delta R.T.: -0.002 min
Response: 12999562
Conc: 0.31 PPB m



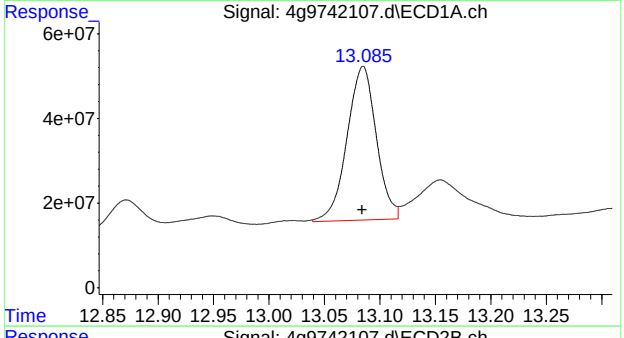
#20 4,4'-DDT

R.T.: 9.749 min
Delta R.T.: -0.004 min
Response: 35629256
Conc: 0.35 PPB



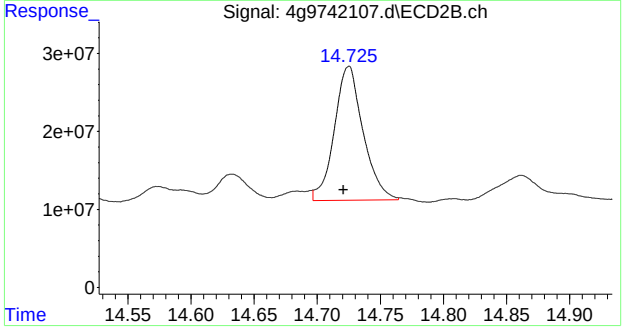
#20 4,4'-DDT

R.T.: 11.494 min
Delta R.T.: 0.003 min
Response: 25356598
Conc: 0.95 PPB



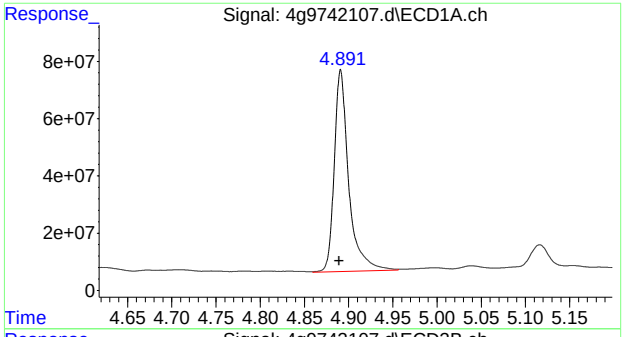
#26 Decachlorobiphenyl

R.T.: 13.085 min
Delta R.T.: 0.001 min
Response: 666906179
Conc: 4.46 PPB m



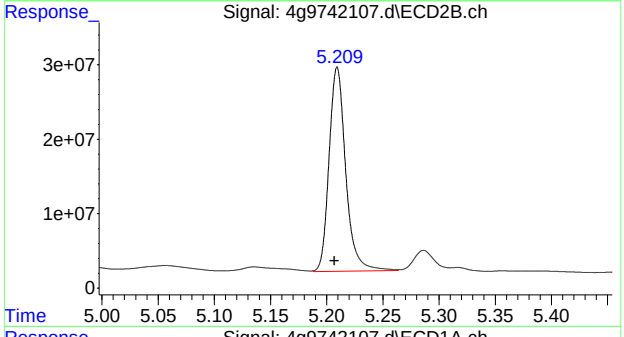
#26 Decachlorobiphenyl

R.T.: 14.725 min
Delta R.T.: 0.004 min
Response: 272322385
Conc: 8.42 PPB m



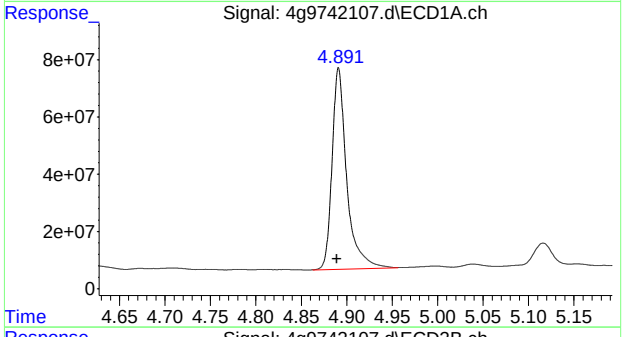
#27 1-bromo-2-nitrobenzeneA

R.T.: 4.891 min
Delta R.T.: 0.001 min
Response: 801864238
Conc: 5.00 PPB m



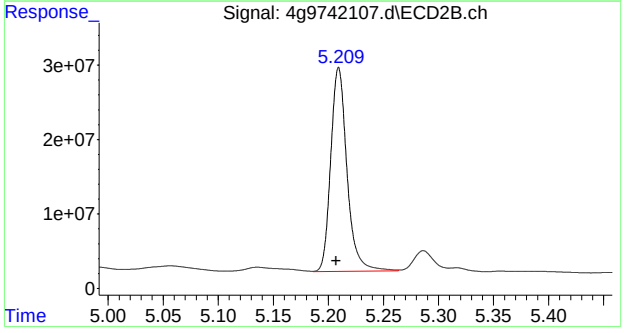
#27 1-bromo-2-nitrobenzeneA

R.T.: 5.209 min
Delta R.T.: 0.002 min
Response: 282554988
Conc: 5.00 PPB m



#33 1-bromo-2-nitrobenzeneB

R.T.: 4.891 min
Delta R.T.: 0.001 min
Response: 791781209
Conc: 5.00 PPB m



#33 1-bromo-2-nitrobenzeneB

R.T.: 5.209 min
Delta R.T.: 0.002 min
Response: 281280417
Conc: 5.00 PPB m

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 12/11/24 08:09

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\maryannl\grm722_2\
Data File : rm30418.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 03:16 pm
Operator : mahalial
Sample : je1536-1 m
Misc : op59855,grm722,5.05,,,10,1
ALS Vial : 90 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 06:58:38 2024
Quant Method : C:\msdchem\1\data\maryannl\grm722_2\lviPCBGRM695A.M
Quant Title :
QLast Update : Tue Dec 10 00:19:01 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) S	Tetrachlo...	3.701	4.196	472.1E6	344.6E6	4.560m	4.699
	Spiked Amount 40.000			Recovery	=	11.40%	11.75%
51) S	Decachlor...	9.512	10.537	197.2E6	170.7E6	3.813	3.769m
	Spiked Amount 40.000			Recovery	=	9.53%	9.42%
	Target Compounds						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

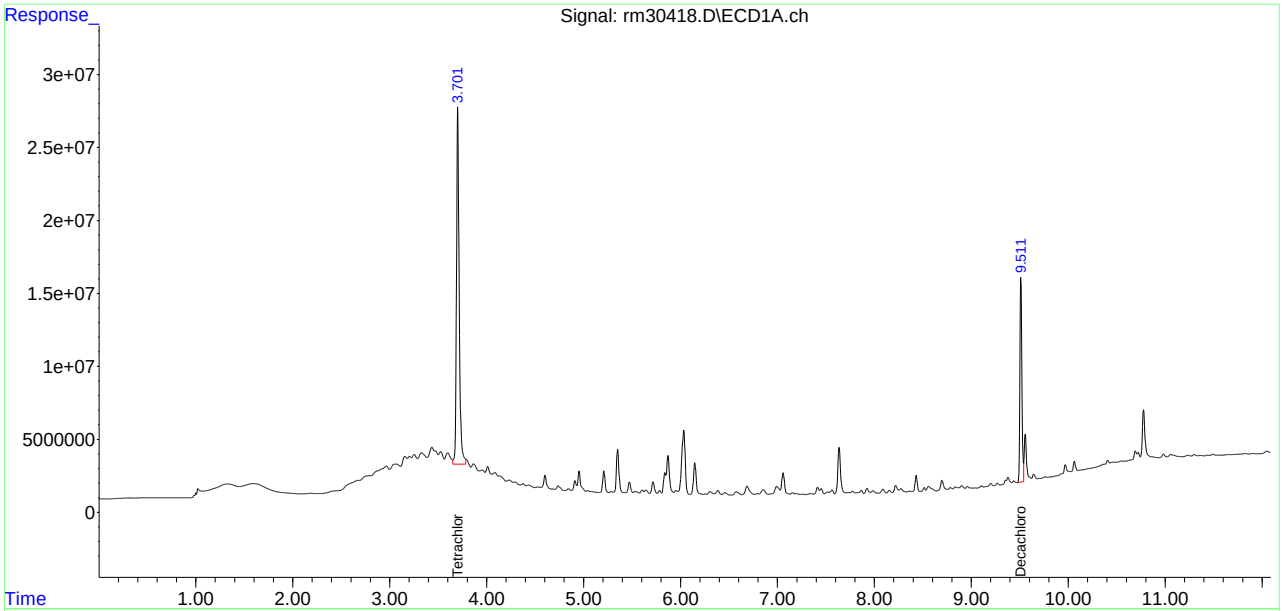
11.1.9 11

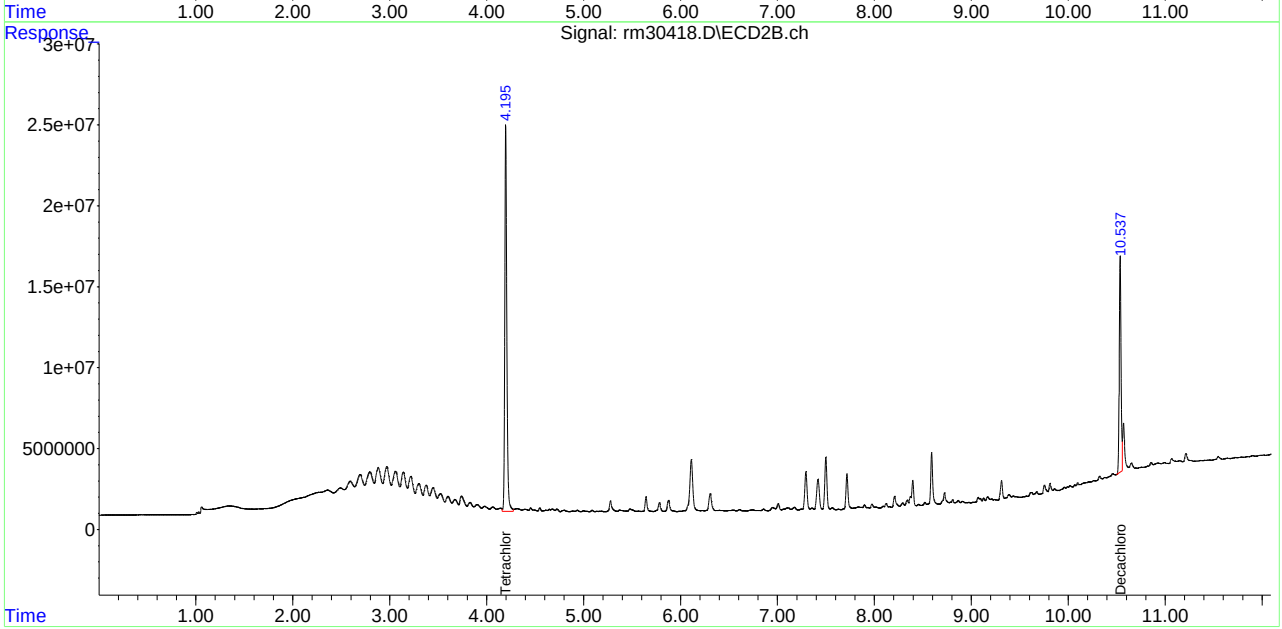
Quantitation Report (QT Reviewed)

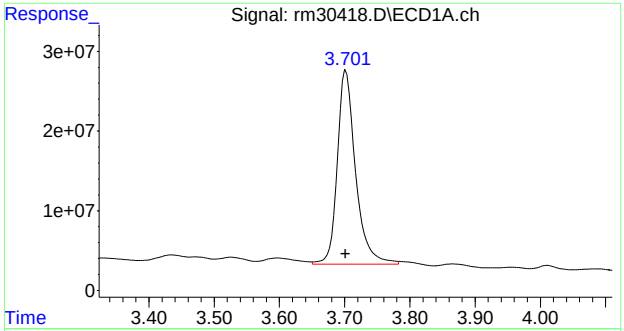
Data Path : C:\msdchem\1\data\maryannl\grm722_2\
Data File : rm30418.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 03:16 pm
Operator : mahalial
Sample : je1536-1 m
Misc : op59855,grm722,5.05,,,10,1
ALS Vial : 90 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 06:58:38 2024
Quant Method : C:\msdchem\1\data\maryannl\grm722_2\lviPCBGRM695A.M
Quant Title :
QLast Update : Tue Dec 10 00:19:01 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

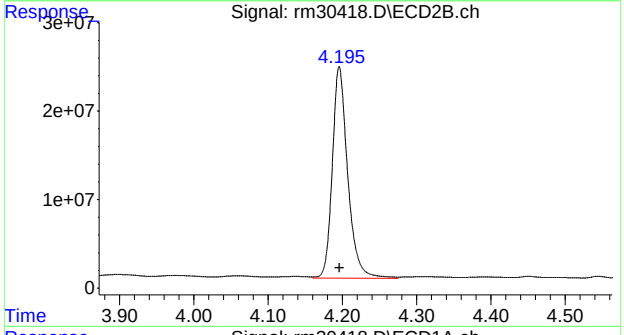






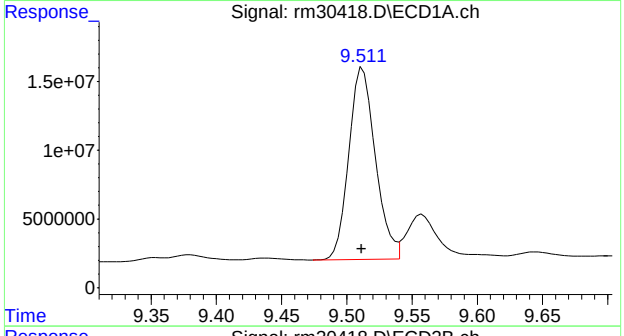
#1 Tetrachloro-m-xylene

R.T.: 3.701 min
Delta R.T.: 0.000 min
Response: 472141374
Conc: 4.56 ppb m



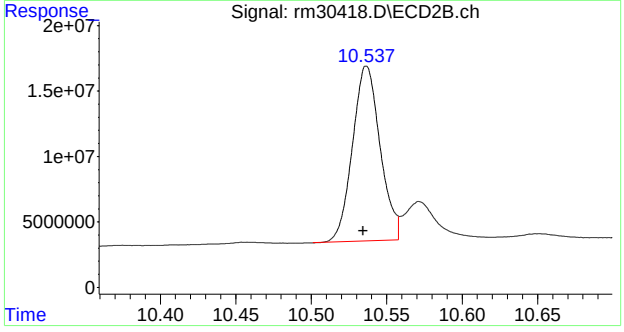
#1 Tetrachloro-m-xylene

R.T.: 4.196 min
Delta R.T.: 0.000 min
Response: 344607434
Conc: 4.70 ppb



#51 Decachlorobiphenyl

R.T.: 9.512 min
Delta R.T.: 0.001 min
Response: 197156484
Conc: 3.81 ppb



#51 Decachlorobiphenyl

R.T.: 10.537 min
Delta R.T.: 0.002 min
Response: 170726548
Conc: 3.77 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Sarah Cruz
12/11/24 02:06

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\maryannl\grm722_2\
Data File : rm30419.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 03:46 pm
Operator : mahalial
Sample : je1536-2 m
Misc : op59855,grm722,5.03,,,10,1
ALS Vial : 91 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 00:29:53 2024
Quant Method : C:\msdchem\1\data\maryannl\grm722_2\lviPCBGRM695A.M
Quant Title :
QLast Update : Tue Dec 10 00:19:01 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
System Monitoring Compounds						
1) S Tetrachlo...	3.700	4.196	453.1E6	339.7E6	4.377m	4.633m
Spiked Amount 40.000			Recovery =		10.94%	11.58%
51) S Decachlor...	9.513	10.536	192.7E6	177.3E6	3.727	3.914m
Spiked Amount 40.000			Recovery =		9.32%	9.79%
Target Compounds						

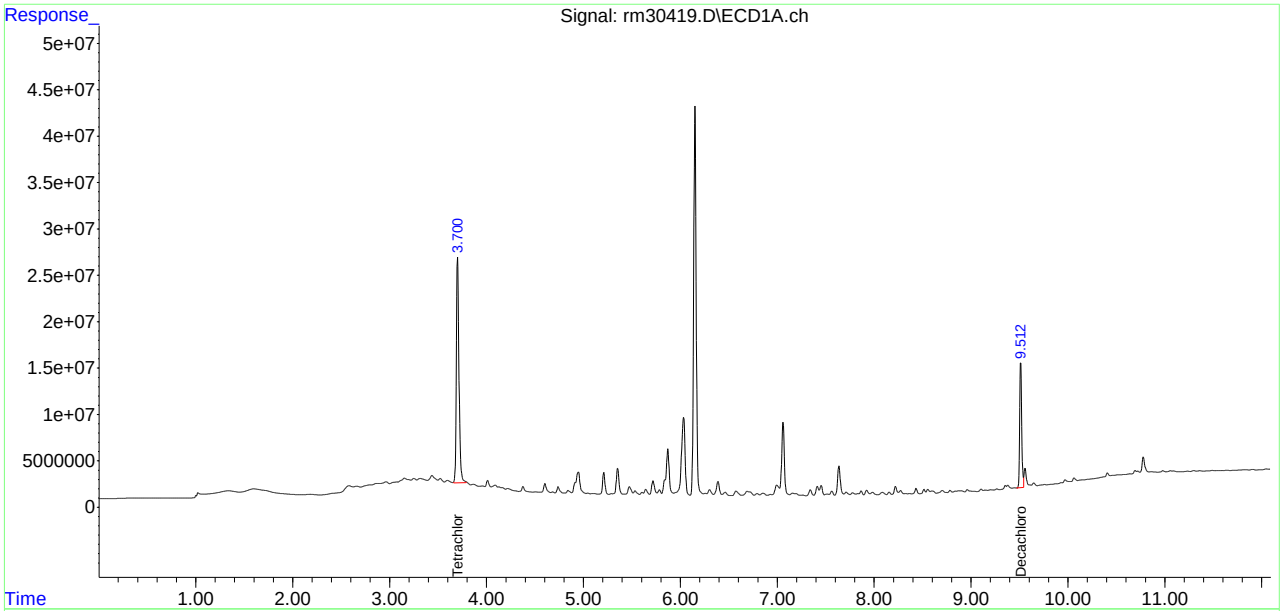
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

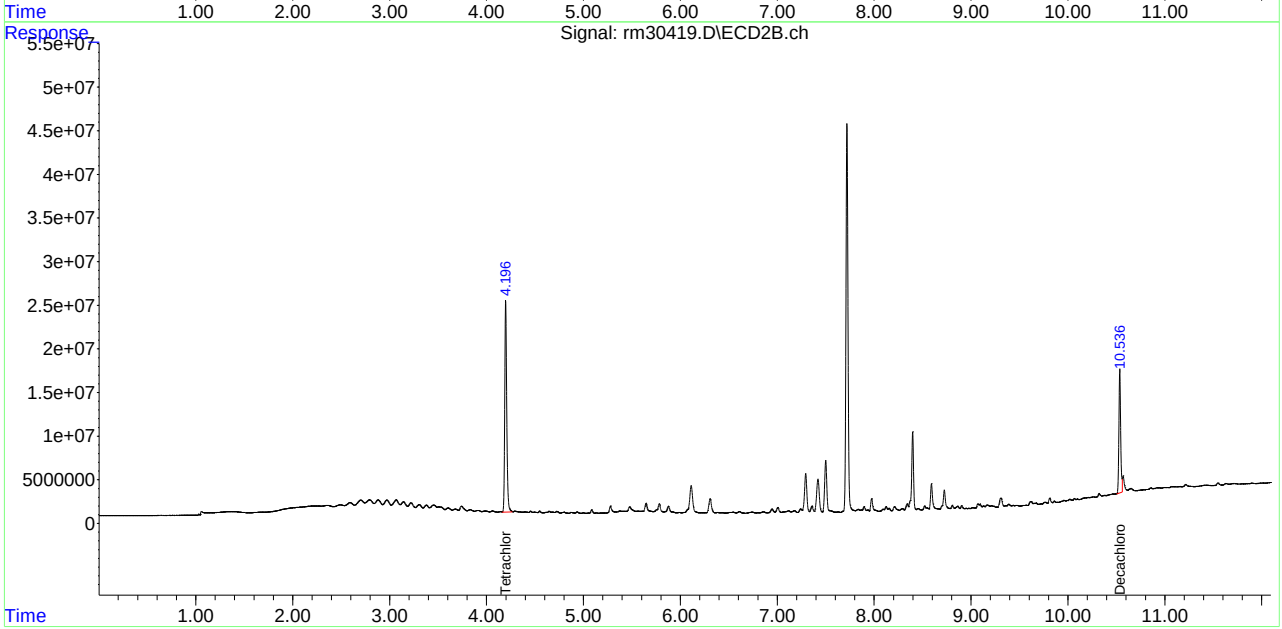
Quantitation Report (QT Reviewed)

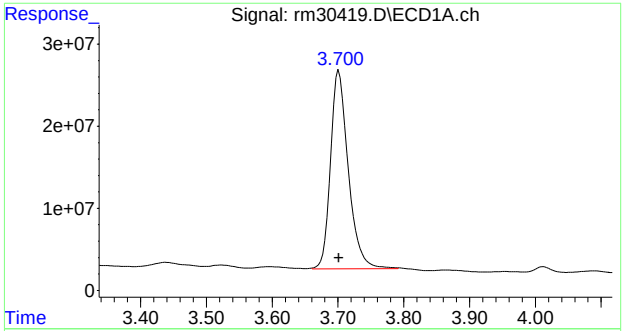
Data Path : C:\msdchem\1\data\maryannl\grm722_2\
Data File : rm30419.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 03:46 pm
Operator : mahalial
Sample : je1536-2 m
Misc : op59855,grm722,5.03,,,10,1
ALS Vial : 91 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 00:29:53 2024
Quant Method : C:\msdchem\1\data\maryannl\grm722_2\lviPCBGRM695A.M
Quant Title :
QLast Update : Tue Dec 10 00:19:01 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

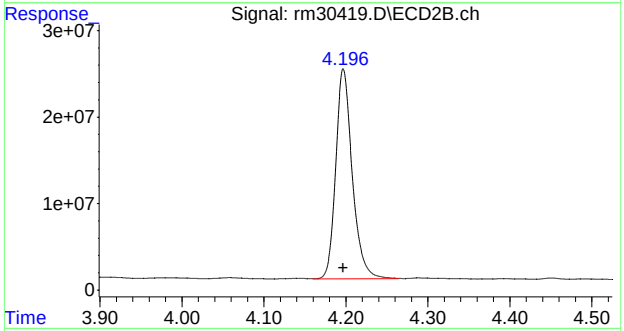






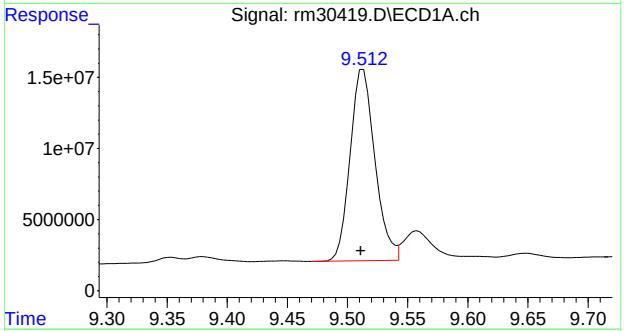
#1 Tetrachloro-m-xylene

R.T.: 3.700 min
Delta R.T.: -0.001 min
Response: 453139608
Conc: 4.38 ppb m



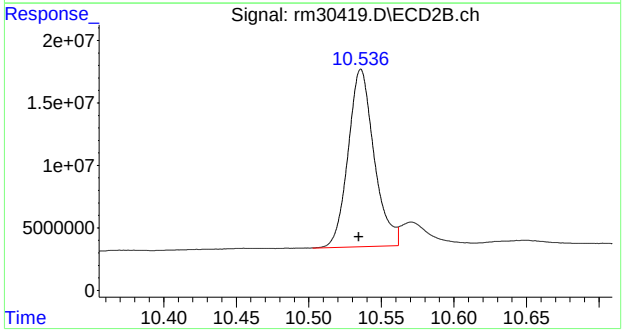
#1 Tetrachloro-m-xylene

R.T.: 4.196 min
Delta R.T.: 0.000 min
Response: 339749824
Conc: 4.63 ppb m



#51 Decachlorobiphenyl

R.T.: 9.513 min
Delta R.T.: 0.002 min
Response: 192742071
Conc: 3.73 ppb



#51 Decachlorobiphenyl

R.T.: 10.536 min
Delta R.T.: 0.001 min
Response: 177293997
Conc: 3.91 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Sarah Cruz
12/11/24 02:06

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\maryannl\grm722_2\
Data File : rm30420.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 04:15 pm
Operator : mahalial
Sample : je1536-3 m
Misc : op59855,grm722,5.00,,,10,1
ALS Vial : 92 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 00:31:04 2024
Quant Method : C:\msdchem\1\data\maryannl\grm722_2\lviPCBGRM695A.M
Quant Title :
QLast Update : Tue Dec 10 00:19:01 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) S	Tetrachlo...	3.702	4.196	435.0E6	348.1E6	4.201	4.747
	Spiked Amount 40.000			Recovery	=	10.50%	11.87%
51) S	Decachlor...	9.513	10.536	198.5E6	186.1E6	3.839	4.109
	Spiked Amount 40.000			Recovery	=	9.60%	10.27%
	Target Compounds						
47)	AR1260-B	7.562	8.807	50415329	20494293	10.377m	5.026m#
49)	AR1260-D	8.218	9.303	81089062	63488138	8.219m	7.775
50)	AR1260-E	8.514	9.622	75958274	52145356	8.237m	6.781m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

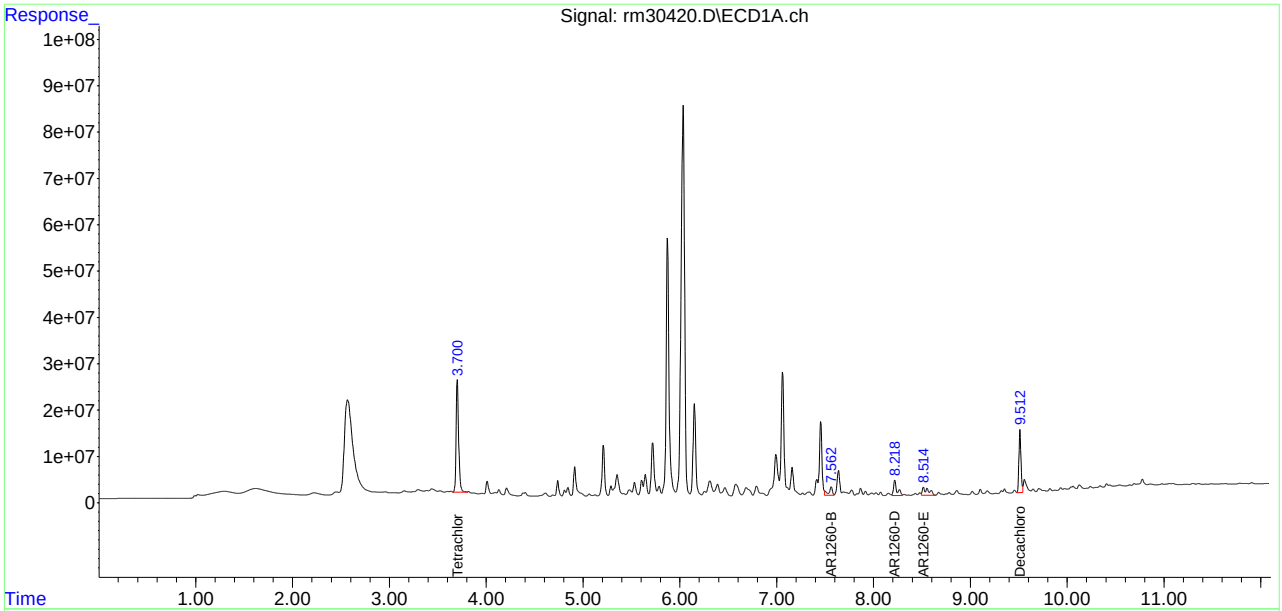
11.1.11
11

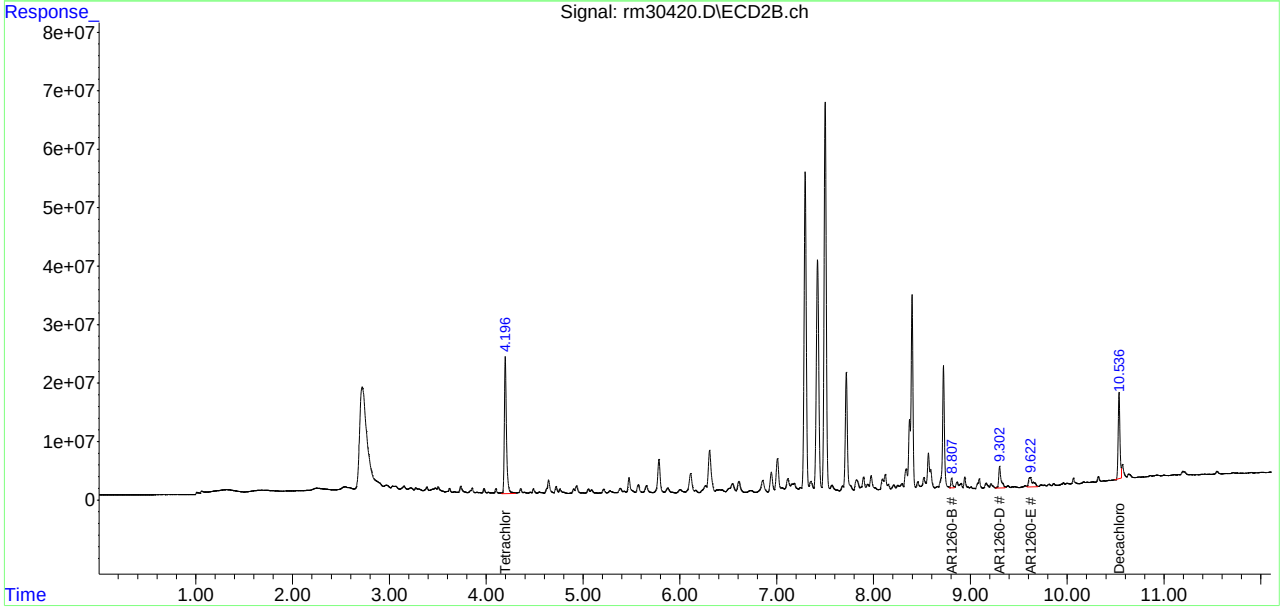
Quantitation Report (QT Reviewed)

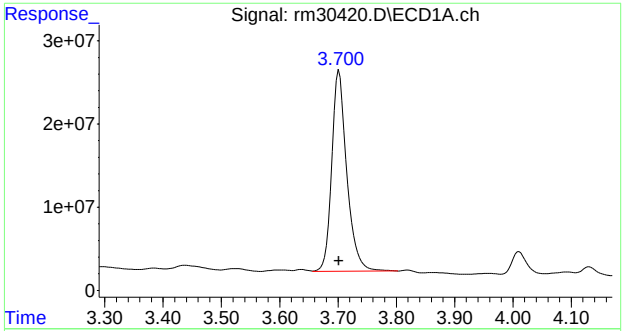
Data Path : C:\msdchem\1\data\maryannl\grm722_2\
Data File : rm30420.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 04:15 pm
Operator : mahalial
Sample : je1536-3 m
Misc : op59855,grm722,5.00,,,10,1
ALS Vial : 92 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 00:31:04 2024
Quant Method : C:\msdchem\1\data\maryannl\grm722_2\lviPCBGRM695A.M
Quant Title :
QLast Update : Tue Dec 10 00:19:01 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

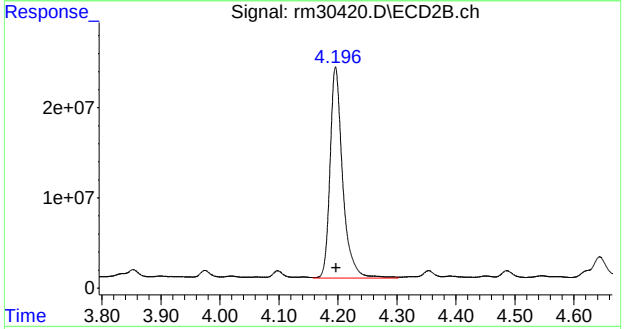






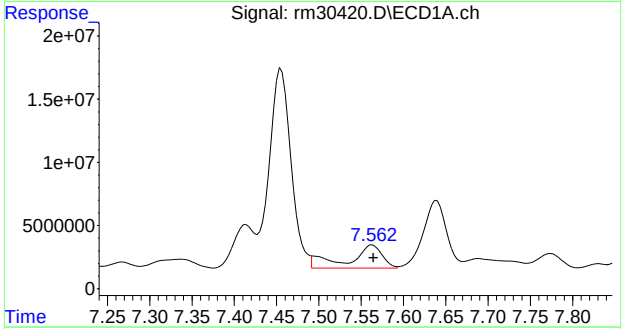
#1 Tetrachloro-m-xylene

R.T.: 3.702 min
Delta R.T.: 0.001 min
Response: 434955029
Conc: 4.20 ppb



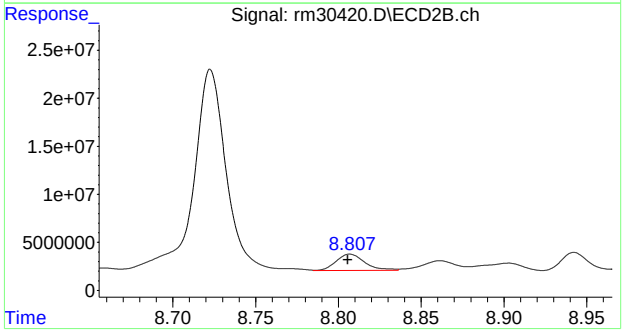
#1 Tetrachloro-m-xylene

R.T.: 4.196 min
Delta R.T.: 0.000 min
Response: 348124961
Conc: 4.75 ppb



#47 AR1260-B

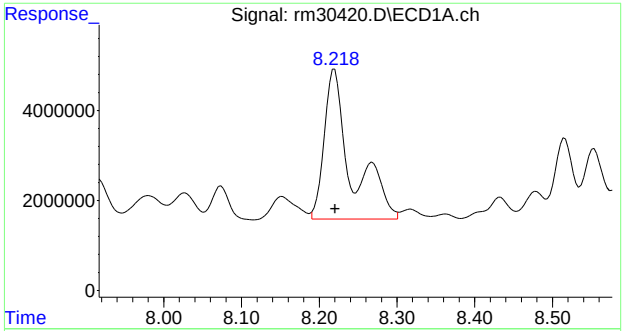
R.T.: 7.562 min
Delta R.T.: -0.003 min
Response: 50415329
Conc: 10.38 PPB m



#47 AR1260-B

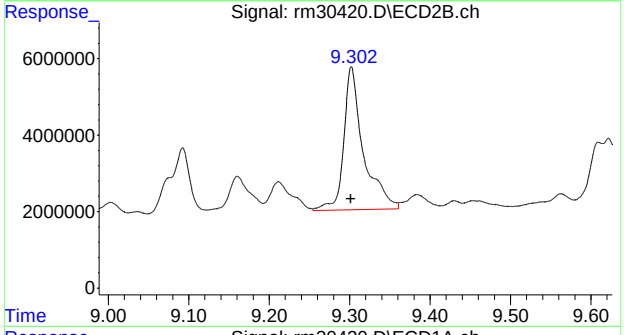
R.T.: 8.807 min
Delta R.T.: 0.001 min
Response: 20494293
Conc: 5.03 PPB m

11.1.11
11



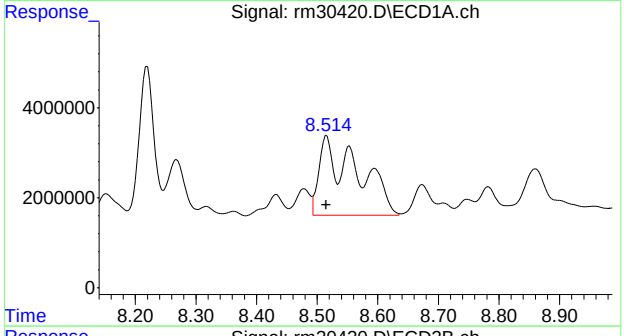
#49 AR1260-D

R.T.: 8.218 min
Delta R.T.: -0.002 min
Response: 81089062
Conc: 8.22 PPB m



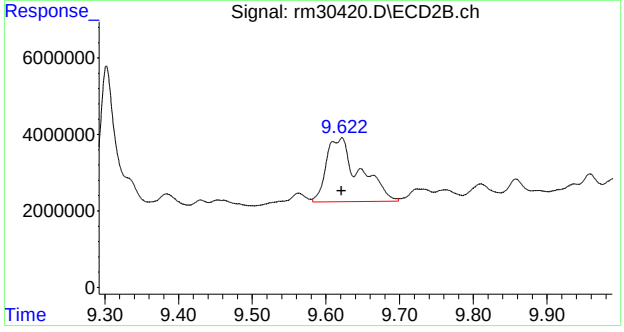
#49 AR1260-D

R.T.: 9.303 min
Delta R.T.: 0.001 min
Response: 63488138
Conc: 7.77 PPB



#50 AR1260-E

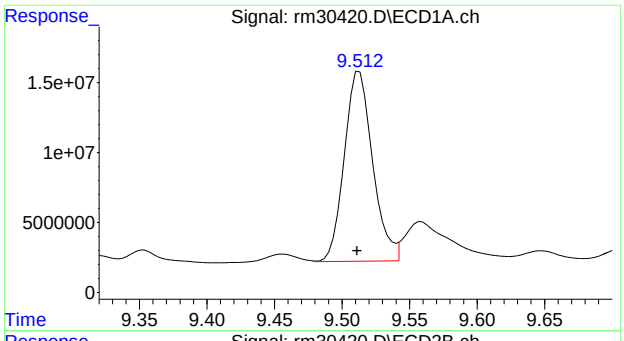
R.T.: 8.514 min
Delta R.T.: 0.000 min
Response: 75958274
Conc: 8.24 PPB m



#50 AR1260-E

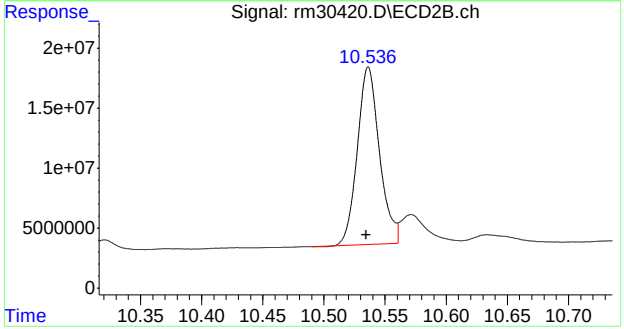
R.T.: 9.622 min
Delta R.T.: 0.000 min
Response: 52145356
Conc: 6.78 PPB m

11.1.11 11



#51 Decachlorobiphenyl

R.T.: 9.513 min
Delta R.T.: 0.002 min
Response: 198501071
Conc: 3.84 ppb



#51 Decachlorobiphenyl

R.T.: 10.536 min
Delta R.T.: 0.002 min
Response: 186116871
Conc: 4.11 ppb

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 12/11/24 08:09

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\maryannl\grm722_2\
Data File : rm30421.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 04:45 pm
Operator : mahalial
Sample : je1536-4 m
Misc : op59855,grm722,5.5,,,10,1
ALS Vial : 93 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 07:12:07 2024
Quant Method : C:\msdchem\1\data\maryannl\grm722_2\lviPCBGRM695A.M
Quant Title :
QLast Update : Tue Dec 10 00:19:01 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) S	Tetrachlo...	3.702	4.197	454.4E6	339.6E6	4.389	4.631
	Spiked Amount 40.000			Recovery	=	10.97%	11.58%
51) S	Decachlor...	9.513	10.535	196.0E6	176.5E6	3.791	3.897m
	Spiked Amount 40.000			Recovery	=	9.48%	9.74%
	Target Compounds						

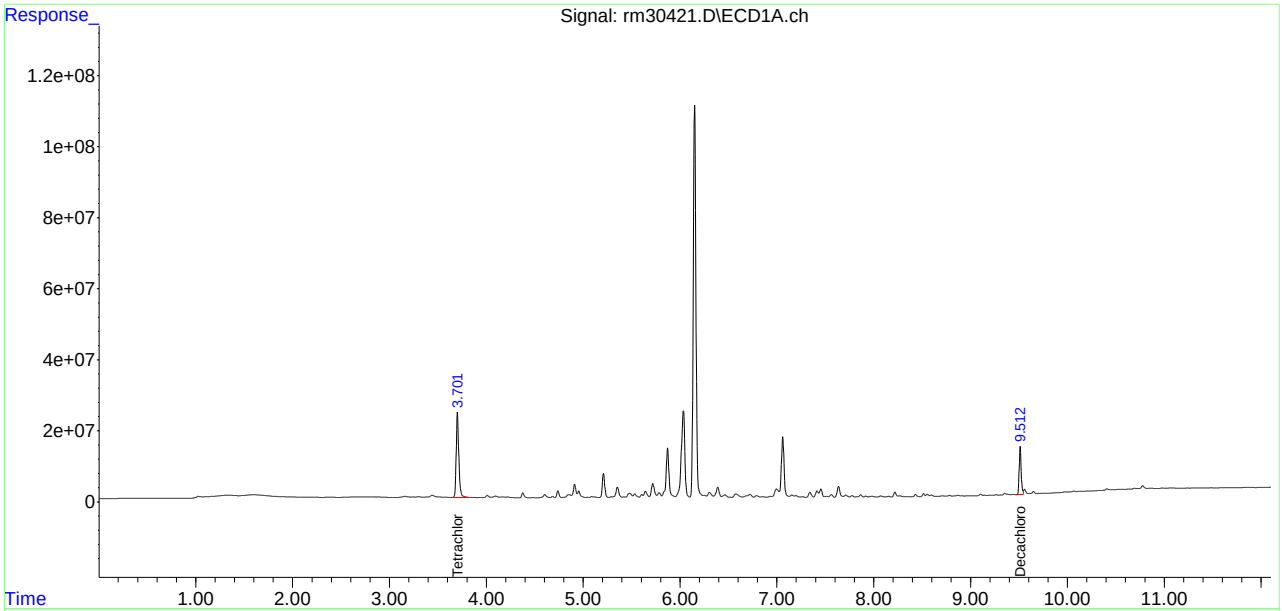
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

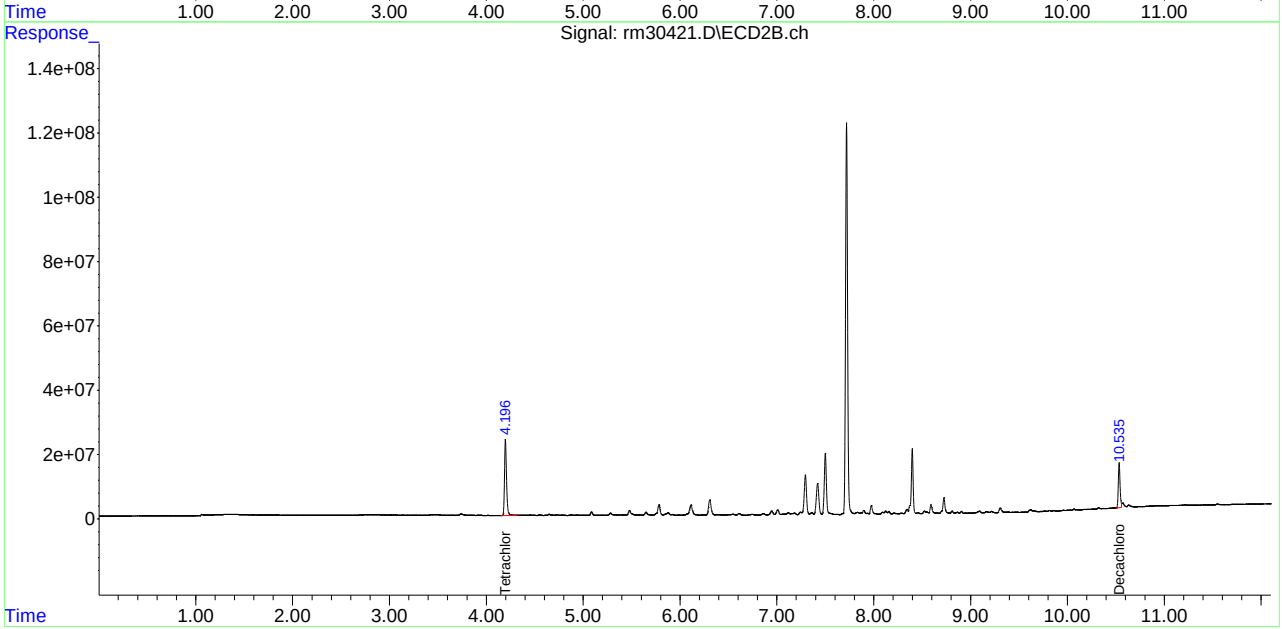
Quantitation Report (QT Reviewed)

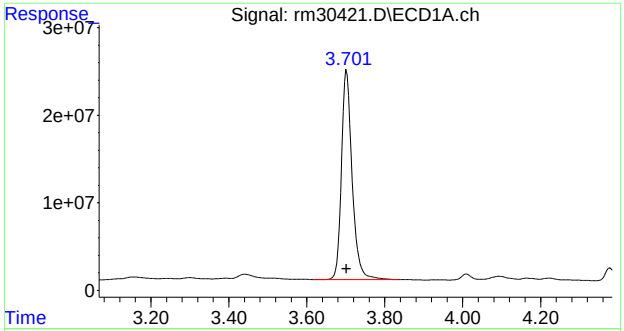
Data Path : C:\msdchem\1\data\maryannl\grm722_2\
Data File : rm30421.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 04:45 pm
Operator : mahalial
Sample : je1536-4 m
Misc : op59855,grm722,5.5,,,10,1
ALS Vial : 93 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 07:12:07 2024
Quant Method : C:\msdchem\1\data\maryannl\grm722_2\lviPCBGRM695A.M
Quant Title :
QLast Update : Tue Dec 10 00:19:01 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

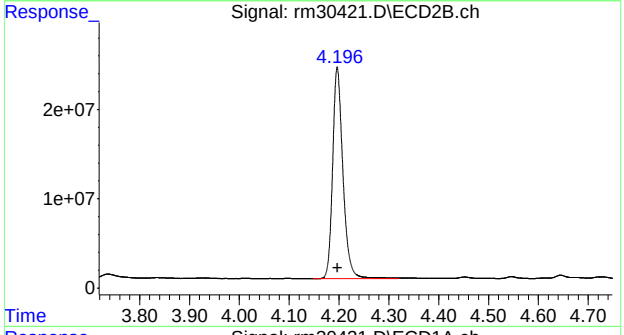






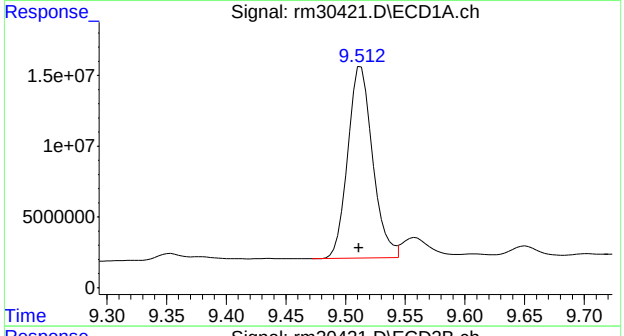
#1 Tetrachloro-m-xylene

R.T.: 3.702 min
Delta R.T.: 0.001 min
Response: 454355151
Conc: 4.39 ppb



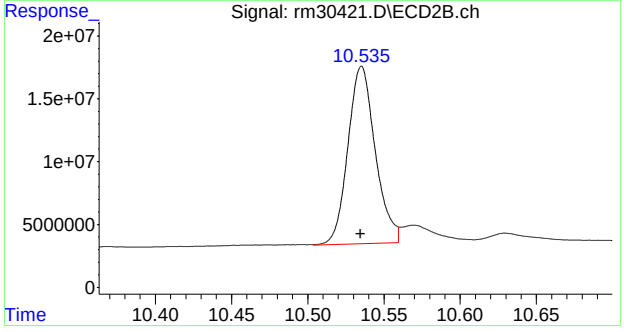
#1 Tetrachloro-m-xylene

R.T.: 4.197 min
Delta R.T.: 0.000 min
Response: 339564780
Conc: 4.63 ppb



#51 Decachlorobiphenyl

R.T.: 9.513 min
Delta R.T.: 0.002 min
Response: 196001359
Conc: 3.79 ppb



#51 Decachlorobiphenyl

R.T.: 10.535 min
Delta R.T.: 0.000 min
Response: 176526367
Conc: 3.90 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns
12/11/24 08:09

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\maryannl\grm722_2\
Data File : rm30422.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 05:16 pm
Operator : mahalial
Sample : je1536-5 m
Misc : op59855,grm722,5.04,,,10,1
ALS Vial : 94 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 07:13:18 2024
Quant Method : C:\msdchem\1\data\maryannl\grm722_2\lviPCBGRM695A.M
Quant Title :
QLast Update : Tue Dec 10 00:19:01 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) S	Tetrachlo...	3.702	4.197	468.3E6	347.5E6	4.524	4.739
	Spiked Amount 40.000			Recovery	=	11.31%	11.85%
51) S	Decachlor...	9.512	10.535	199.9E6	186.9E6	3.866	4.126
	Spiked Amount 40.000			Recovery	=	9.66%	10.32%
	Target Compounds						
32)	AR1262-B	7.564	8.806	20919949	10652545	2.267m	1.361m#
33)	AR1262-C	7.865	9.091	11089038	11993845	1.539m	1.944m#
34)	AR1262-D	8.218	9.313	38413154	98643213	2.419m	7.613m#
35)	AR1262-E	8.568	9.673f	76387932	51299173	4.844m	3.828m

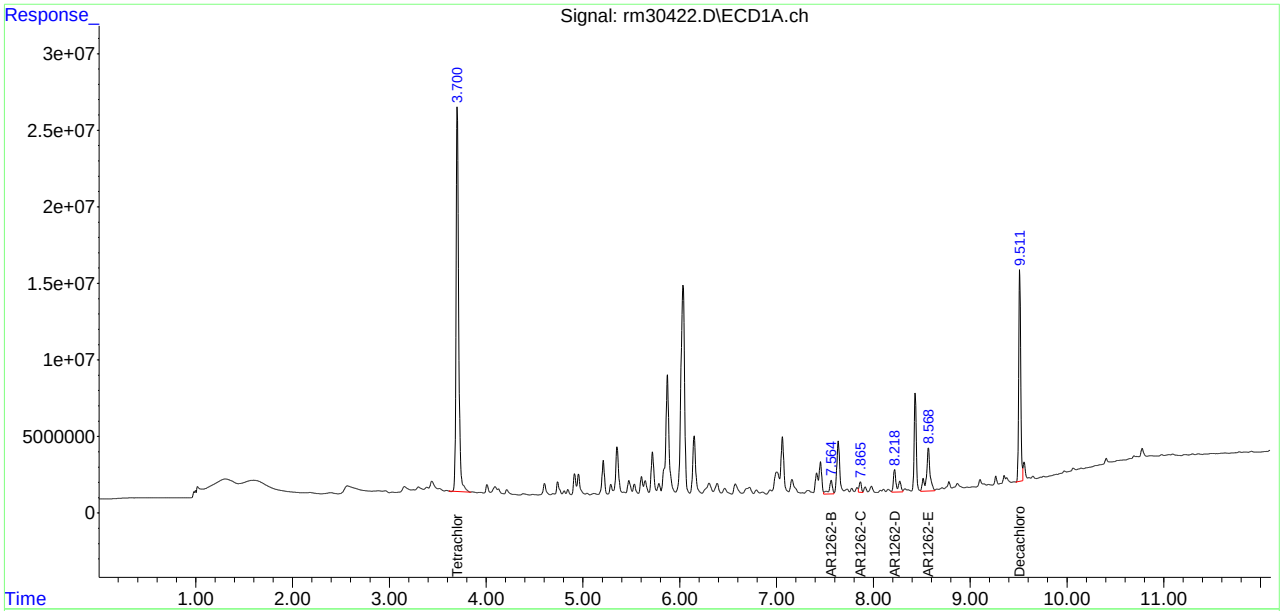
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

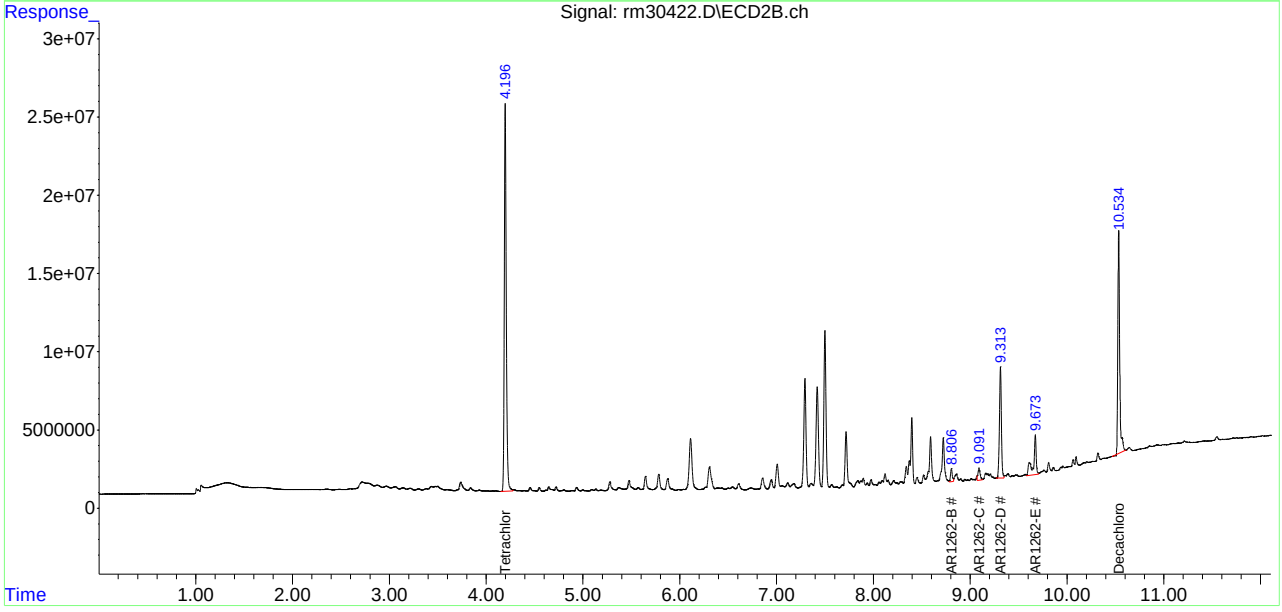
Quantitation Report (QT Reviewed)

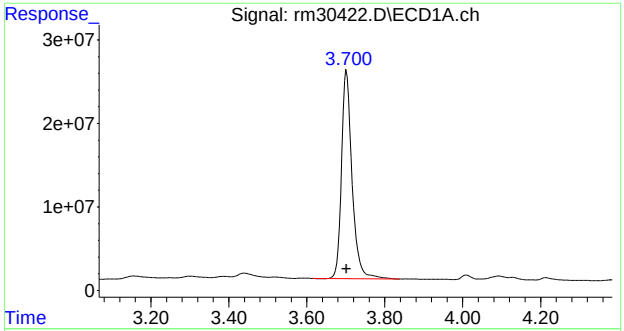
Data Path : C:\msdchem\1\data\maryannl\grm722_2\
Data File : rm30422.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 05:16 pm
Operator : mahalial
Sample : je1536-5 m
Misc : op59855,grm722,5.04,,,10,1
ALS Vial : 94 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 07:13:18 2024
Quant Method : C:\msdchem\1\data\maryannl\grm722_2\lviPCBGRM695A.M
Quant Title :
QLast Update : Tue Dec 10 00:19:01 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

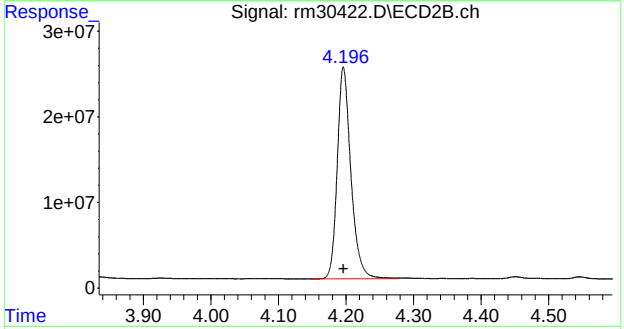






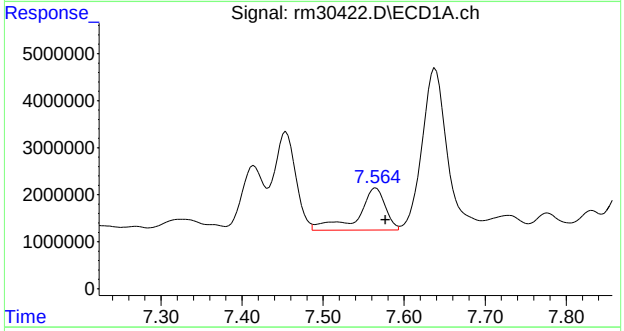
#1 Tetrachloro-m-xylene

R.T.: 3.702 min
Delta R.T.: 0.000 min
Response: 468335812
Conc: 4.52 ppb



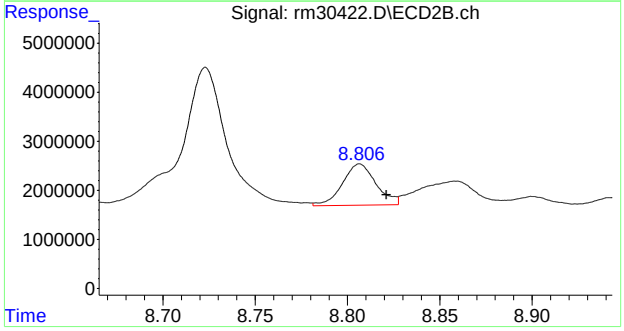
#1 Tetrachloro-m-xylene

R.T.: 4.197 min
Delta R.T.: 0.000 min
Response: 347498681
Conc: 4.74 ppb



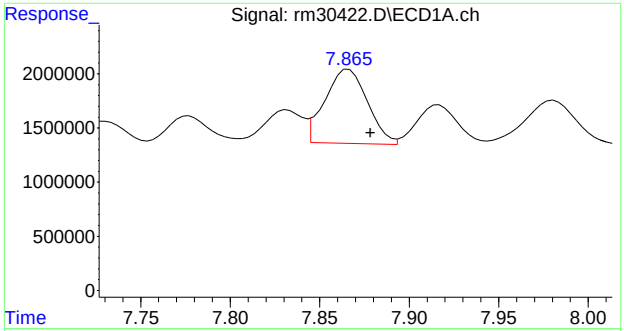
#32 AR1262-B

R.T.: 7.564 min
Delta R.T.: -0.013 min
Response: 20919949
Conc: 2.27 PPB m



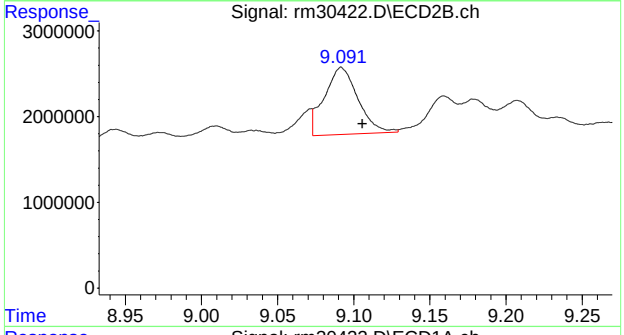
#32 AR1262-B

R.T.: 8.806 min
Delta R.T.: -0.015 min
Response: 10652545
Conc: 1.36 PPB m



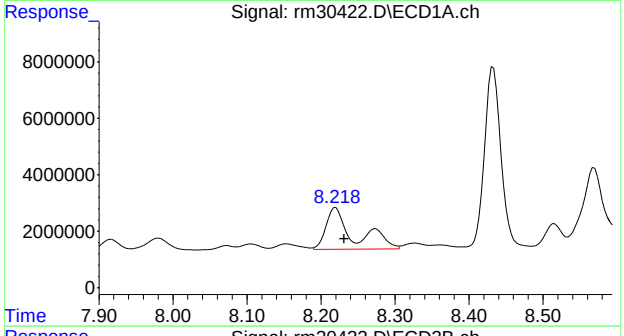
#33 AR1262-C

R.T.: 7.865 min
Delta R.T.: -0.013 min
Response: 11089038
Conc: 1.54 PPB m



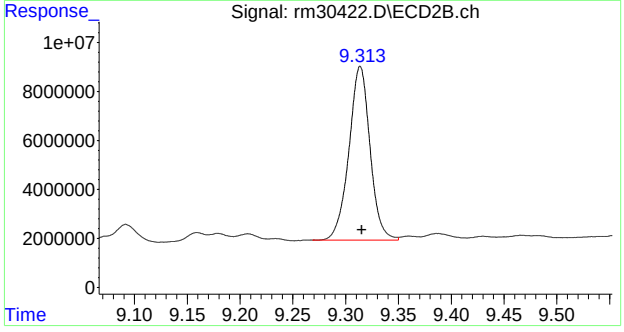
#33 AR1262-C

R.T.: 9.091 min
Delta R.T.: -0.014 min
Response: 11993845
Conc: 1.94 PPB m



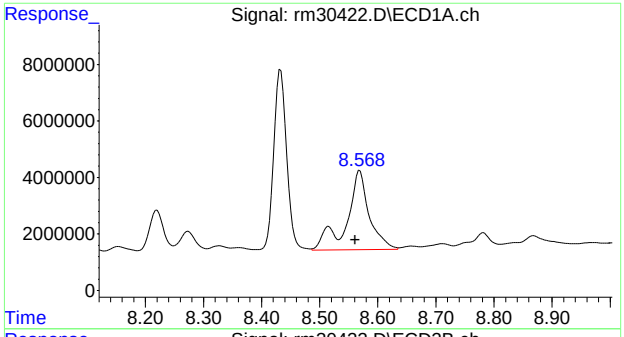
#34 AR1262-D

R.T.: 8.218 min
Delta R.T.: -0.013 min
Response: 38413154
Conc: 2.42 PPB m



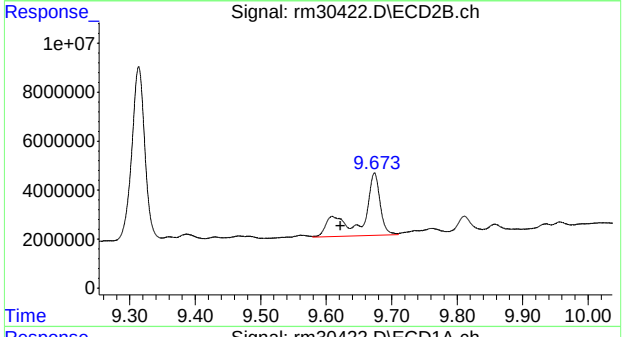
#34 AR1262-D

R.T.: 9.313 min
Delta R.T.: -0.002 min
Response: 98643213
Conc: 7.61 PPB m



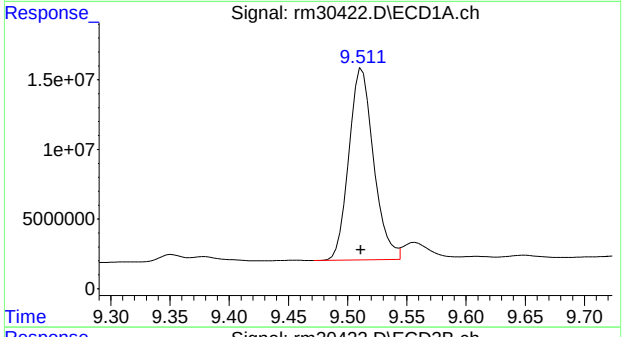
#35 AR1262-E

R.T.: 8.568 min
Delta R.T.: 0.007 min
Response: 76387932
Conc: 4.84 PPB m



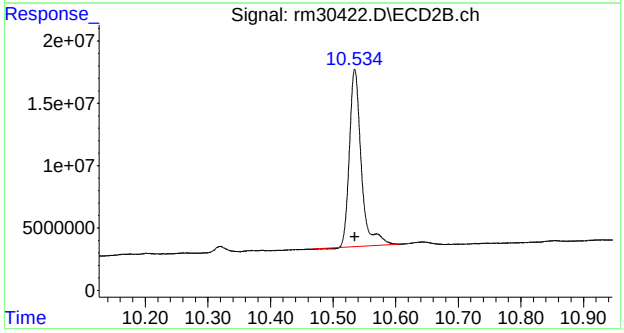
#35 AR1262-E

R.T.: 9.673 min
Delta R.T.: 0.052 min
Response: 51299173
Conc: 3.83 PPB m



#51 Decachlorobiphenyl

R.T.: 9.512 min
Delta R.T.: 0.001 min
Response: 199905013
Conc: 3.87 ppb



#51 Decachlorobiphenyl

R.T.: 10.535 min
Delta R.T.: 0.000 min
Response: 186876158
Conc: 4.13 ppb

11.1.13 11

Manual Integrations APPROVED (compounds with "m" flag)
Sarah Cruz
12/11/24 02:09

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\maryannl\grm722_2\
Data File : rm30423.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 05:45 pm
Operator : mahalial
Sample : je1536-6 m
Misc : op59855,grm722,5.01,,,10,1
ALS Vial : 95 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 00:36:33 2024
Quant Method : C:\msdchem\1\data\maryannl\grm722_2\lviPCBGRM695A.M
Quant Title :
QLast Update : Tue Dec 10 00:19:01 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) S	Tetrachlo...	3.702	4.196	438.9E6	335.6E6	4.239	4.576
	Spiked Amount 40.000			Recovery	=	10.60%	11.44%
51) S	Decachlor...	9.512	10.536	183.7E6	176.5E6	3.552	3.896m
	Spiked Amount 40.000			Recovery	=	8.88%	9.74%
	Target Compounds						

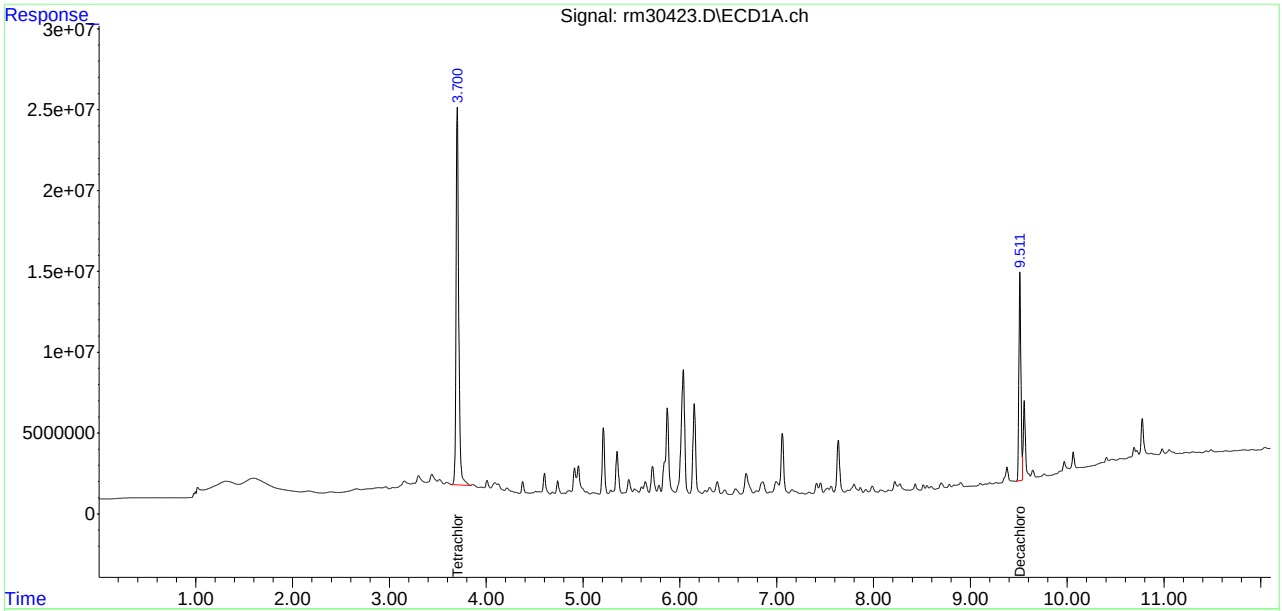
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

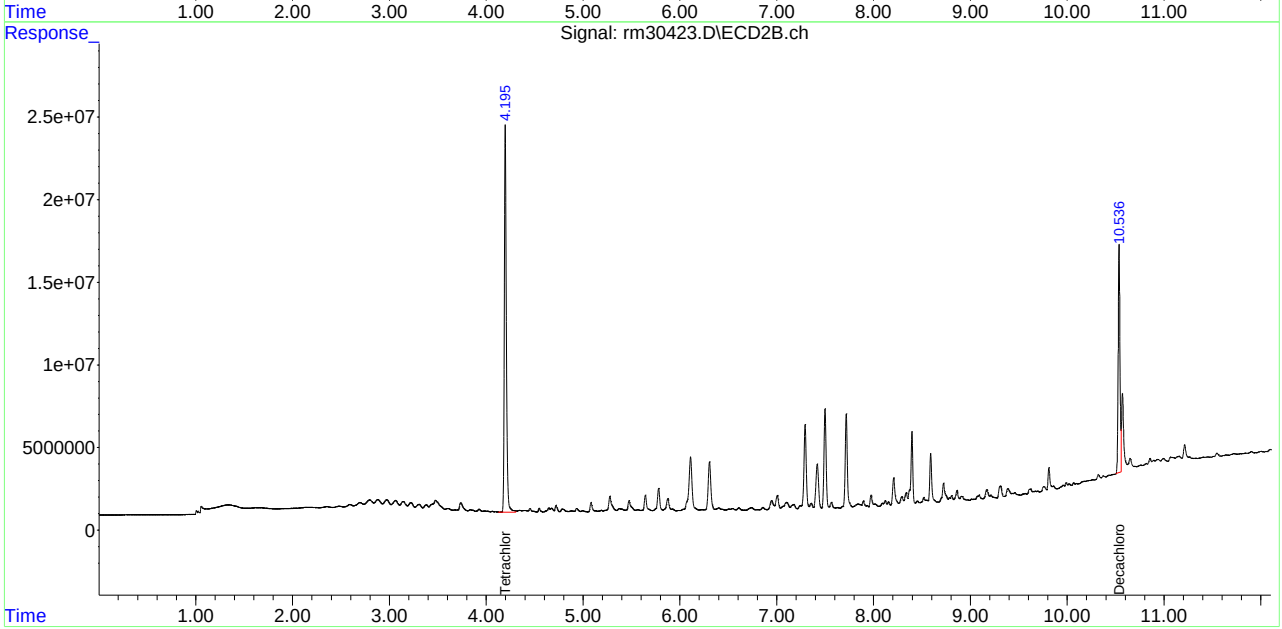
Quantitation Report (QT Reviewed)

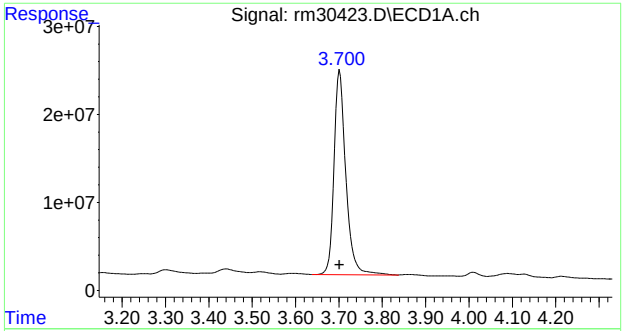
Data Path : C:\msdchem\1\data\maryannl\grm722_2\
Data File : rm30423.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 05:45 pm
Operator : mahalial
Sample : je1536-6 m
Misc : op59855,grm722,5.01,,,10,1
ALS Vial : 95 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 00:36:33 2024
Quant Method : C:\msdchem\1\data\maryannl\grm722_2\lviPCBGRM695A.M
Quant Title :
QLast Update : Tue Dec 10 00:19:01 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

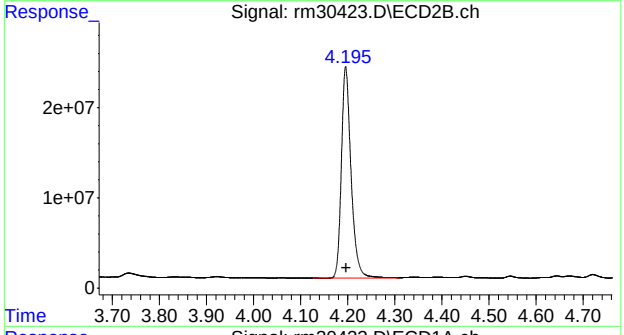






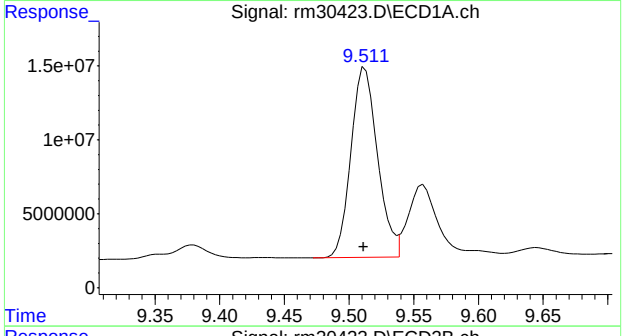
#1 Tetrachloro-m-xylene

R.T.: 3.702 min
Delta R.T.: 0.000 min
Response: 438884418
Conc: 4.24 ppb



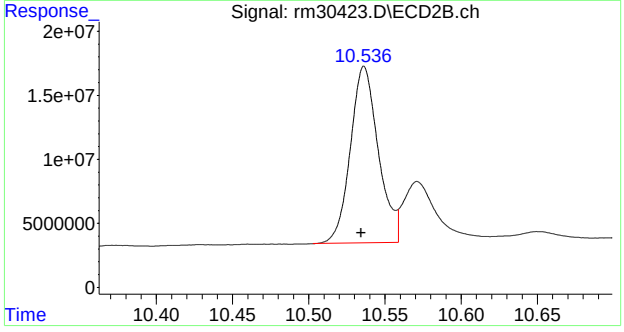
#1 Tetrachloro-m-xylene

R.T.: 4.196 min
Delta R.T.: 0.000 min
Response: 335557440
Conc: 4.58 ppb



#51 Decachlorobiphenyl

R.T.: 9.512 min
Delta R.T.: 0.001 min
Response: 183680685
Conc: 3.55 ppb



#51 Decachlorobiphenyl

R.T.: 10.536 min
Delta R.T.: 0.001 min
Response: 176464785
Conc: 3.90 ppb m

Manual Integrations APPROVED (compounds with "m" flag)
Sarah Cruz
12/11/24 02:09

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\maryannl\grm722_2\
Data File : rm30424.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 06:15 pm
Operator : mahalial
Sample : je1536-7 m
Misc : op59855,grm722,5.01,,,10,1
ALS Vial : 96 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 00:38:15 2024
Quant Method : C:\msdchem\1\data\maryannl\grm722_2\lviPCBGRM695A.M
Quant Title :
QLast Update : Tue Dec 10 00:19:01 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) S	Tetrachlo...	3.702	4.196	434.6E6	331.4E6	4.198	4.519
	Spiked Amount 40.000			Recovery	=	10.50%	11.30%
51) S	Decachlor...	9.512	10.536	277.3E6	252.4E6	5.363	5.573
	Spiked Amount 40.000			Recovery	=	13.41%	13.93%
	Target Compounds						
32)	AR1262-B	7.563	8.805	30907380	12174812	3.349m	1.556m#
34)	AR1262-D	8.217	9.311	48929522	53329213	3.081m	4.116 #
35)	AR1262-E	8.553	9.608	84089130	55607576	5.332m	4.149m

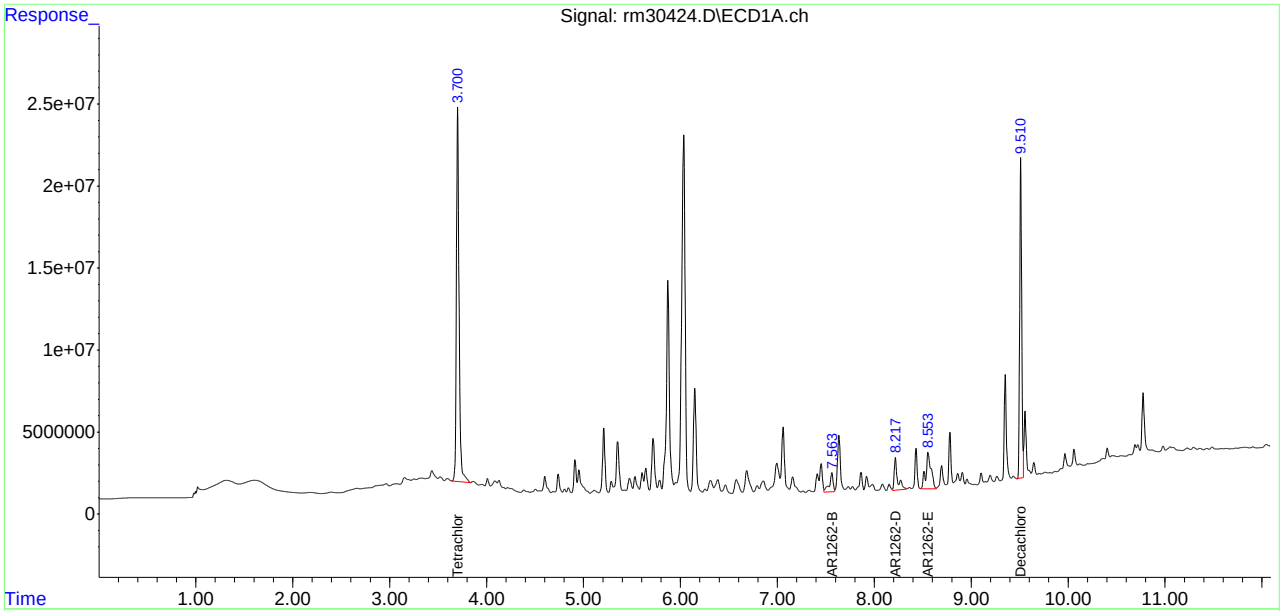
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

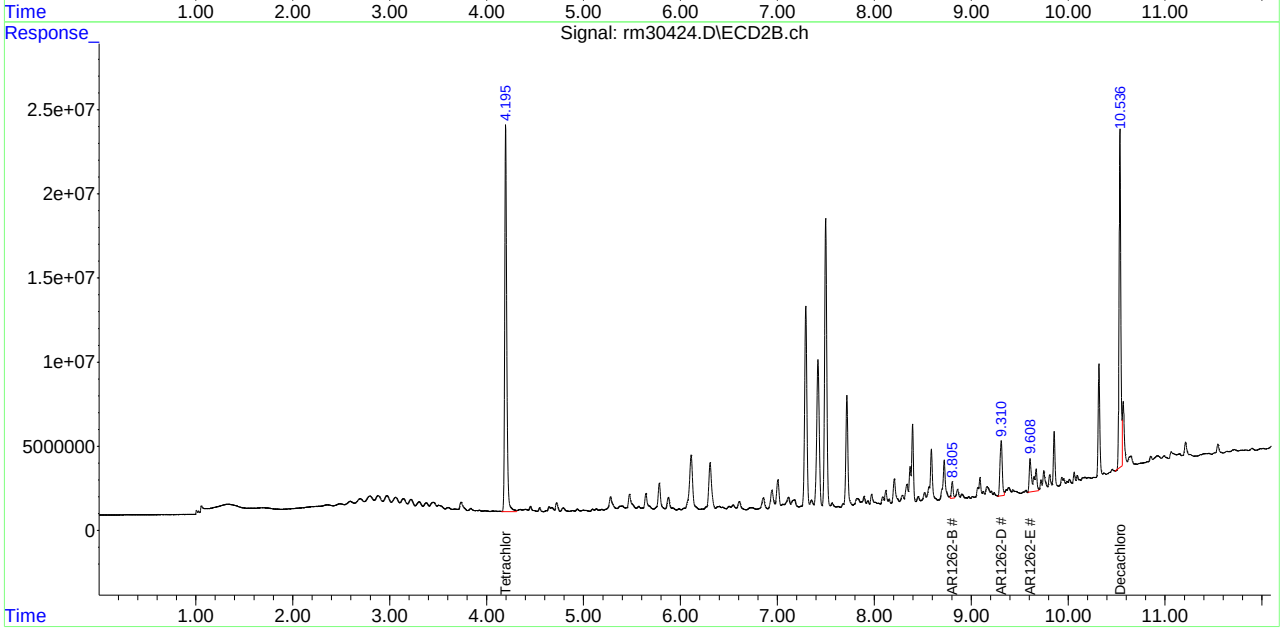
Quantitation Report (QT Reviewed)

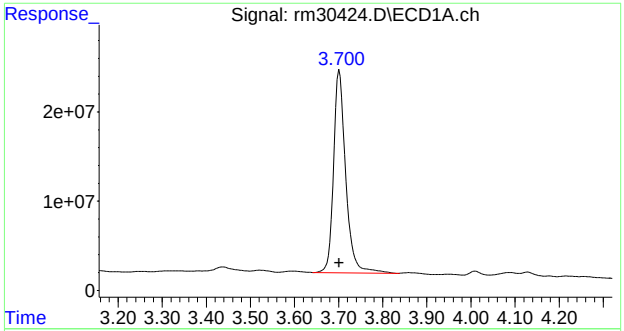
Data Path : C:\msdchem\1\data\maryannl\grm722_2\
Data File : rm30424.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 06:15 pm
Operator : mahalial
Sample : je1536-7 m
Misc : op59855,grm722,5.01,,,10,1
ALS Vial : 96 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 00:38:15 2024
Quant Method : C:\msdchem\1\data\maryannl\grm722_2\lviPCBGRM695A.M
Quant Title :
QLast Update : Tue Dec 10 00:19:01 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

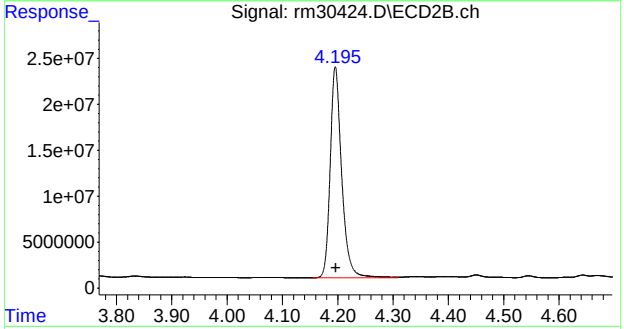






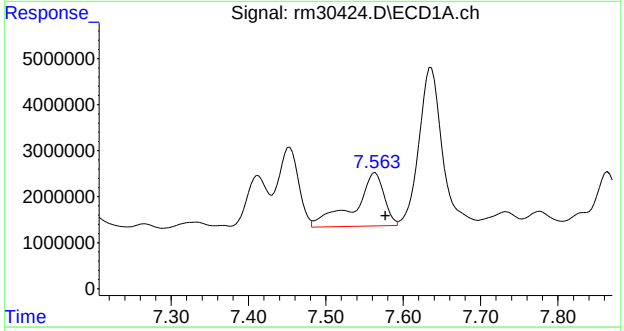
#1 Tetrachloro-m-xylene

R.T.: 3.702 min
Delta R.T.: 0.000 min
Response: 434576356
Conc: 4.20 ppb



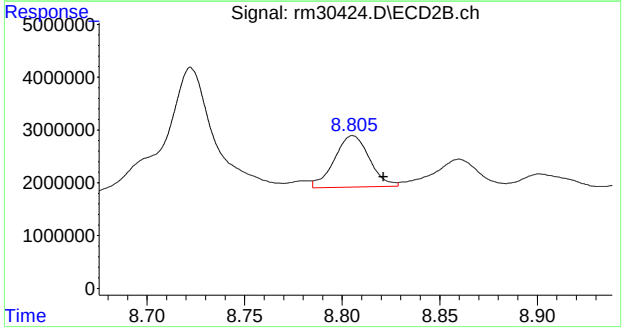
#1 Tetrachloro-m-xylene

R.T.: 4.196 min
Delta R.T.: 0.000 min
Response: 331359805
Conc: 4.52 ppb



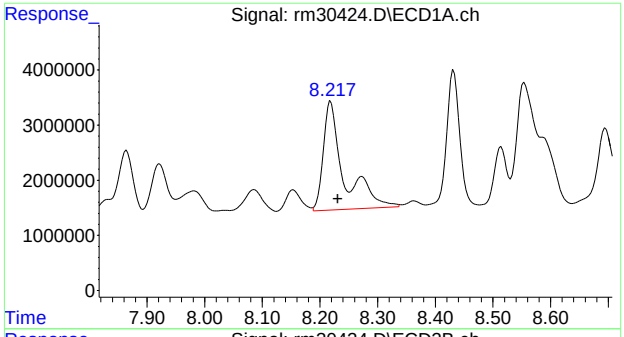
#32 AR1262-B

R.T.: 7.563 min
Delta R.T.: -0.014 min
Response: 30907380
Conc: 3.35 PPB m



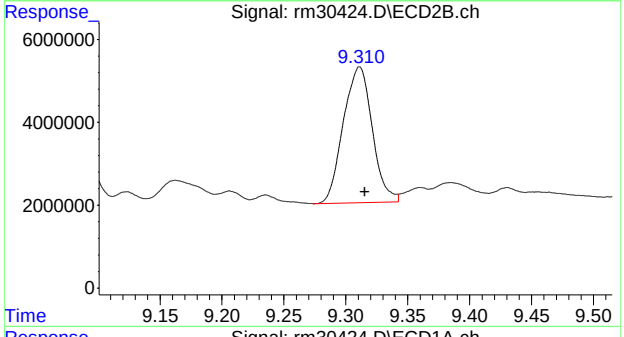
#32 AR1262-B

R.T.: 8.805 min
Delta R.T.: -0.016 min
Response: 12174812
Conc: 1.56 PPB m



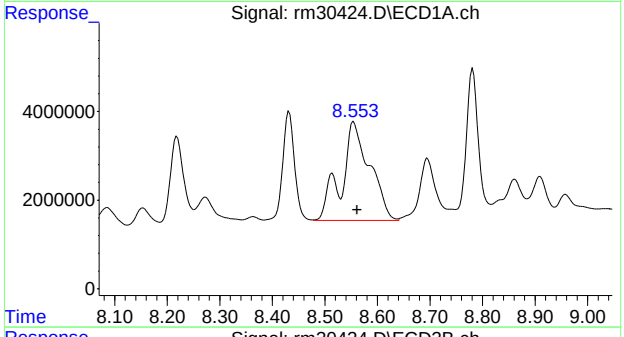
#34 AR1262-D

R.T.: 8.217 min
Delta R.T.: -0.014 min
Response: 48929522
Conc: 3.08 PPB m



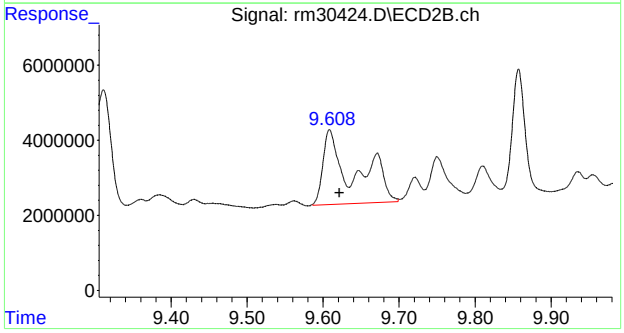
#34 AR1262-D

R.T.: 9.311 min
Delta R.T.: -0.004 min
Response: 53329213
Conc: 4.12 PPB



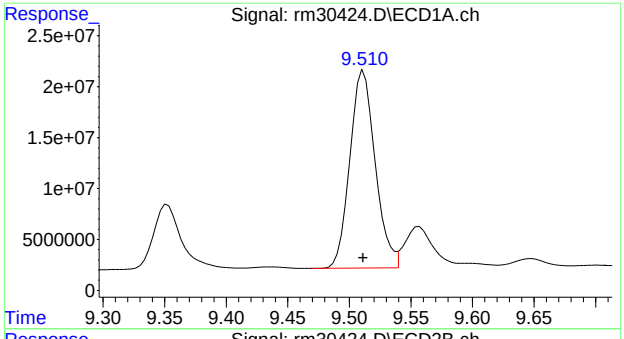
#35 AR1262-E

R.T.: 8.553 min
Delta R.T.: -0.008 min
Response: 84089130
Conc: 5.33 PPB m



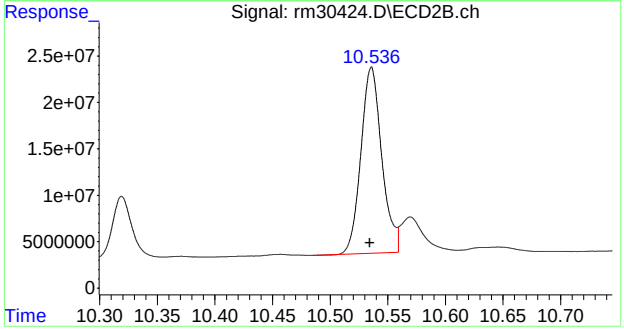
#35 AR1262-E

R.T.: 9.608 min
Delta R.T.: -0.013 min
Response: 55607576
Conc: 4.15 PPB m



#51 Decachlorobiphenyl

R.T.: 9.512 min
Delta R.T.: 0.000 min
Response: 277299535
Conc: 5.36 ppb



#51 Decachlorobiphenyl

R.T.: 10.536 min
Delta R.T.: 0.001 min
Response: 252425264
Conc: 5.57 ppb

Manual Integrations APPROVED (compounds with "m" flag)
Sarah Cruz
12/11/24 02:09

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\maryannl\grm722_2\
Data File : rm30425.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 06:45 pm
Operator : mahalial
Sample : je1536-8 m
Misc : op59855,grm722,5.01,,,10,1
ALS Vial : 97 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 06:46:05 2024
Quant Method : C:\msdchem\1\data\maryannl\grm722_2\lviPCBGRM695A.M
Quant Title :
QLast Update : Tue Dec 10 00:19:01 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
System Monitoring Compounds						
1) S Tetrachlo...	3.702	4.196	479.1E6	349.1E6	4.628	4.760
Spiked Amount 40.000			Recovery	=	11.57%	11.90%
51) S Decachlor...	9.510	10.535	201.3E6	181.6E6	3.893m	4.009m
Spiked Amount 40.000			Recovery	=	9.73%	10.02%
Target Compounds						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

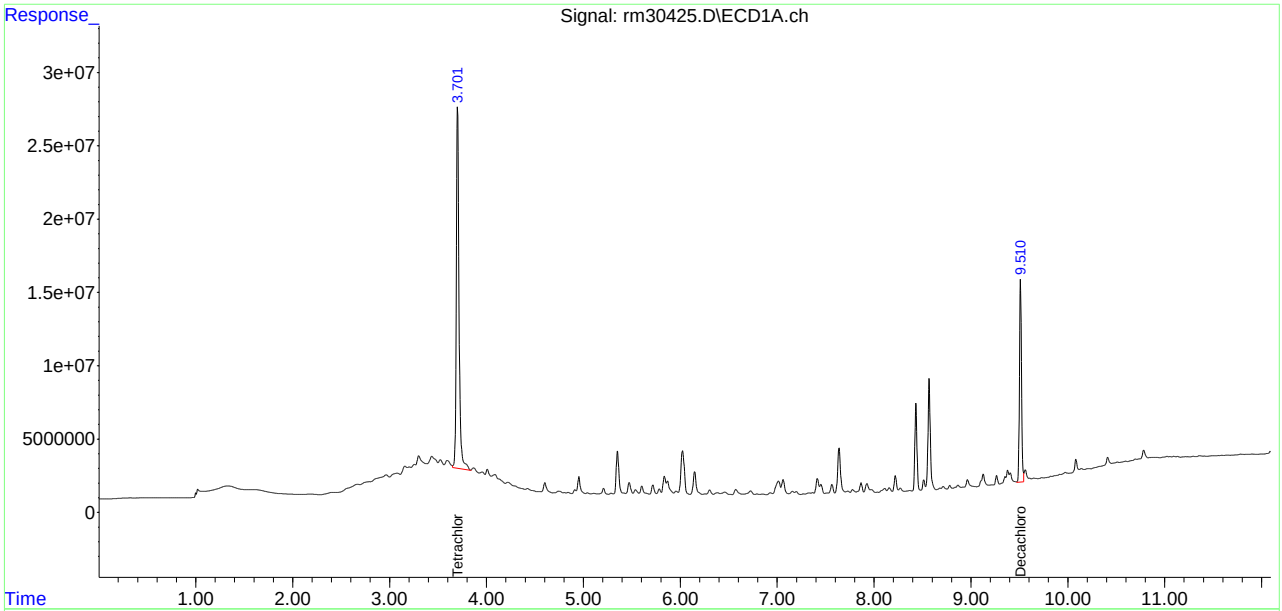
11.1.16
11

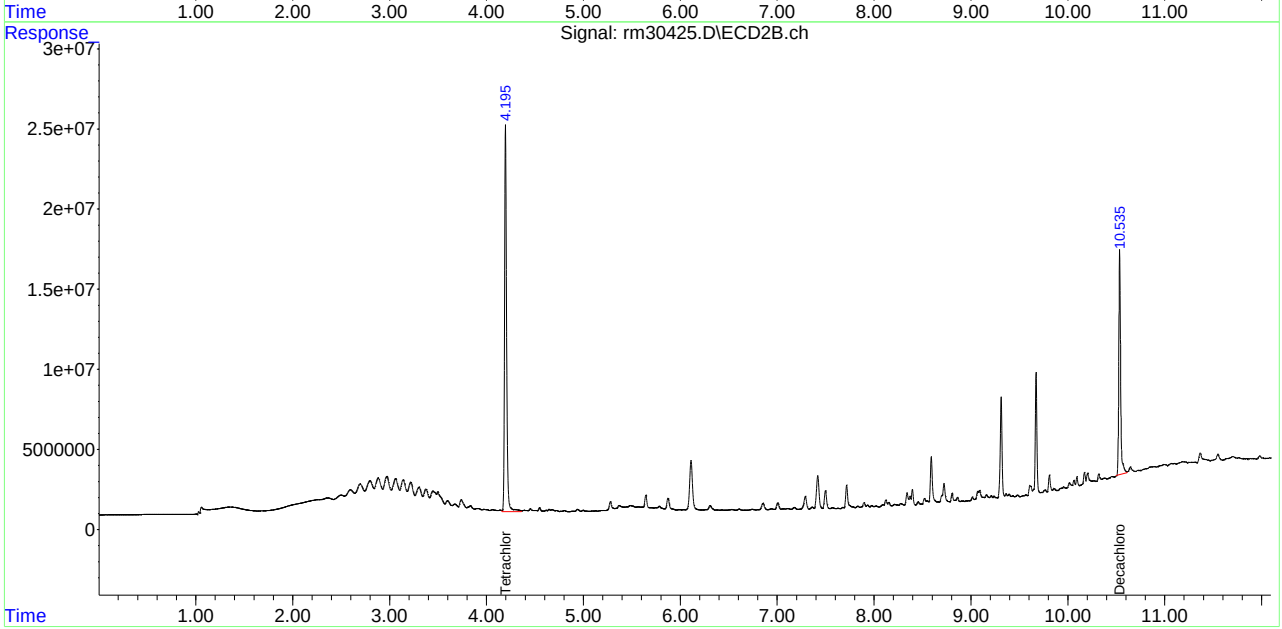
Quantitation Report (QT Reviewed)

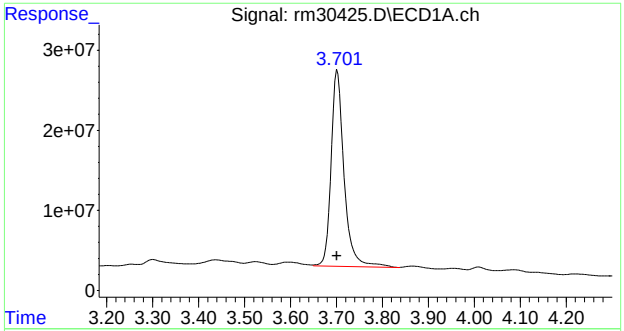
Data Path : C:\msdchem\1\data\maryannl\grm722_2\
Data File : rm30425.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 06:45 pm
Operator : mahalial
Sample : je1536-8 m
Misc : op59855,grm722,5.01,,,10,1
ALS Vial : 97 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 06:46:05 2024
Quant Method : C:\msdchem\1\data\maryannl\grm722_2\lviPCBGRM695A.M
Quant Title :
QLast Update : Tue Dec 10 00:19:01 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

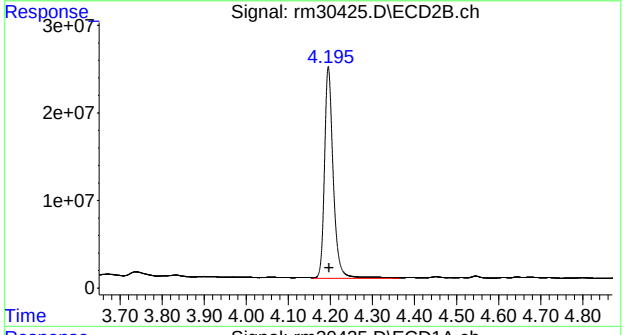






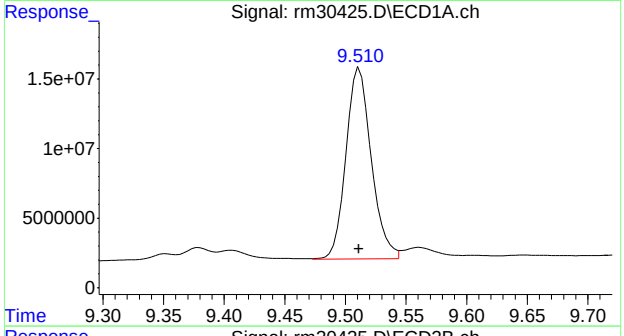
#1 Tetrachloro-m-xylene

R.T.: 3.702 min
Delta R.T.: 0.001 min
Response: 479139308
Conc: 4.63 ppb



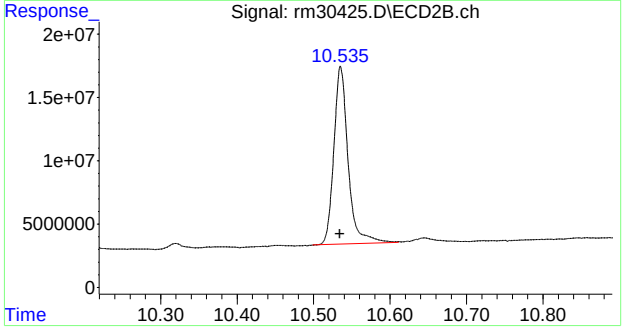
#1 Tetrachloro-m-xylene

R.T.: 4.196 min
Delta R.T.: 0.000 min
Response: 349062552
Conc: 4.76 ppb



#51 Decachlorobiphenyl

R.T.: 9.510 min
Delta R.T.: 0.000 min
Response: 201275249
Conc: 3.89 ppb m



#51 Decachlorobiphenyl

R.T.: 10.535 min
Delta R.T.: 0.000 min
Response: 181596369
Conc: 4.01 ppb m

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\trude\g4g4521\
Data File : 4g9742089.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Dec 2024 9:01 am
Operator : rebeccak
Sample : op59854-mb1 m
Misc : op59854,g4g4521,5.0,,,10,1
ALS Vial : 54 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 09 01:44:12 2024
Quant Method : C:\msdchem\1\data\trude\g4g4521\4PSTLVI4506.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 09 01:12:57 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1) I	1-bromo-2...	4.890	5.209	1462.0E6	540.1E6	5.000	5.000
27) I	1-bromo-2...	4.890	5.209	1462.0E6	540.1E6	5.000	5.000
33) I	1-bromo-2...	4.890	5.209	1462.0E6	540.1E6	5.000	5.000
	System Monitoring Compounds						
2) SAB	Tetrachlo...	5.570	6.122	581.4E6	336.3E6	3.075	3.055
	Spiked Amount	40.000	Range 30 - 150	Recovery	=	7.69%#	7.64%#
26) SA	Decachlor...	13.084	14.724	828.6E6	234.9E6	3.007	3.768
	Spiked Amount	40.000		Recovery	=	7.52%	9.42%
	Target Compounds						
	SemiQuant Compounds - Not Calibrated on this Instrument						

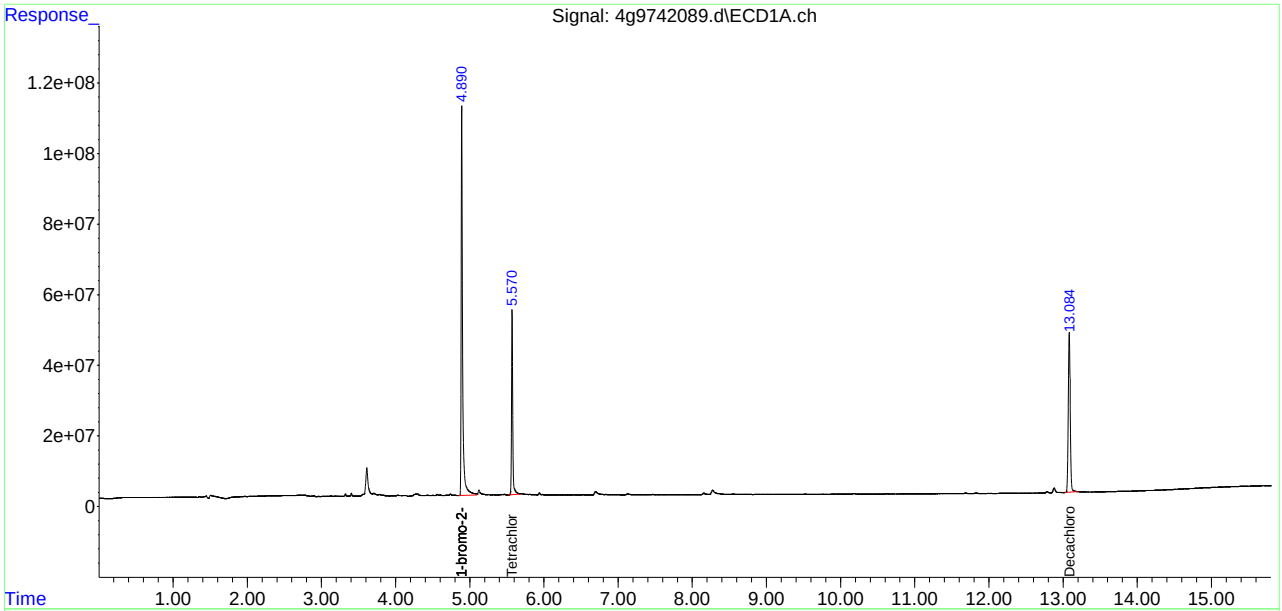
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

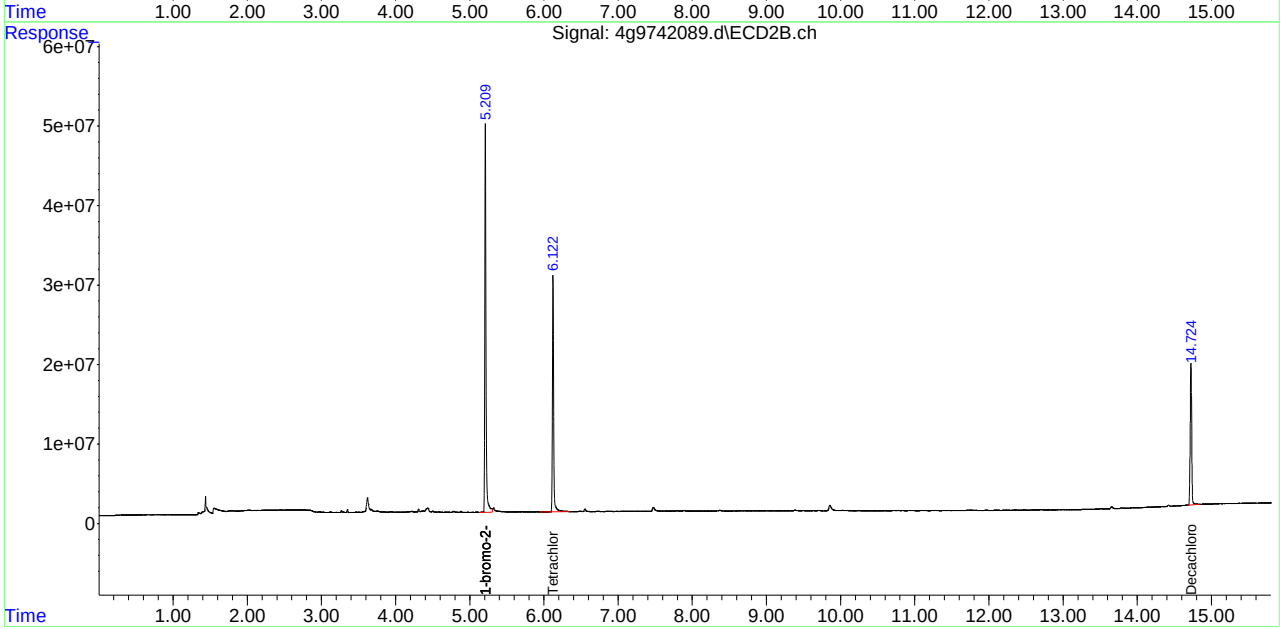
Quantitation Report (QT Reviewed)

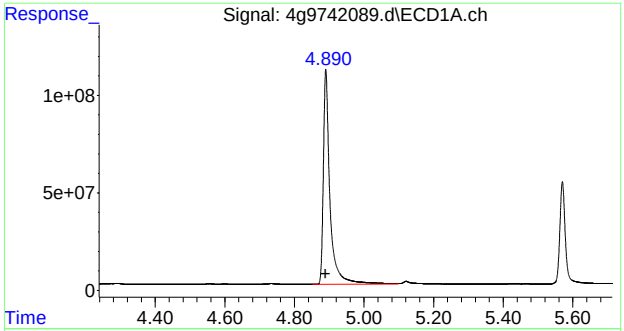
Data Path : C:\msdchem\1\data\trude\g4g4521\
Data File : 4g9742089.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Dec 2024 9:01 am
Operator : rebeccak
Sample : op59854-mb1 m
Misc : op59854,g4g4521,5.0,,,10,1
ALS Vial : 54 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 09 01:44:12 2024
Quant Method : C:\msdchem\1\data\trude\g4g4521\4PSTLVI4506.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 09 01:12:57 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

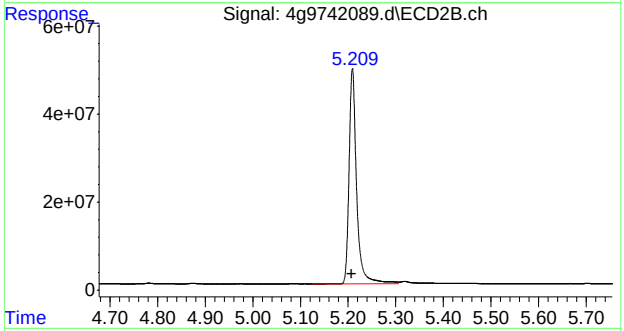






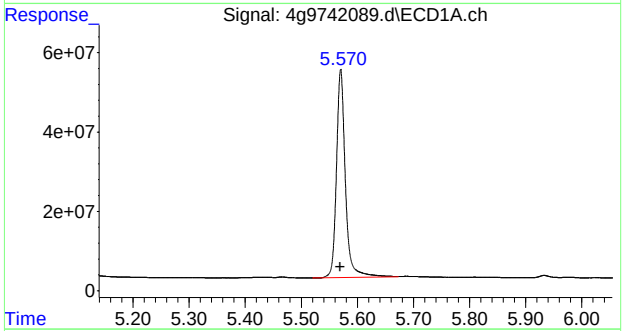
#1 1-bromo-2-nitrobenzene

R.T.: 4.890 min
Delta R.T.: 0.001 min
Response: 1461980335
Conc: 5.00 PPB



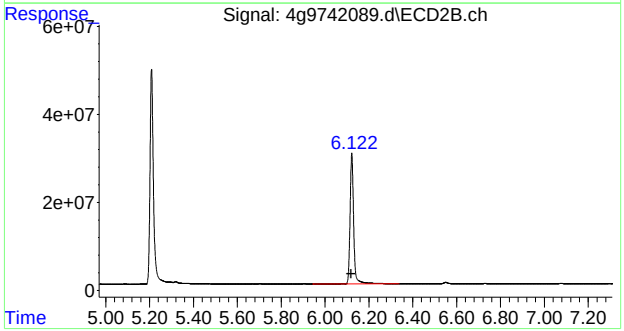
#1 1-bromo-2-nitrobenzene

R.T.: 5.209 min
Delta R.T.: 0.002 min
Response: 540052879
Conc: 5.00 PPB



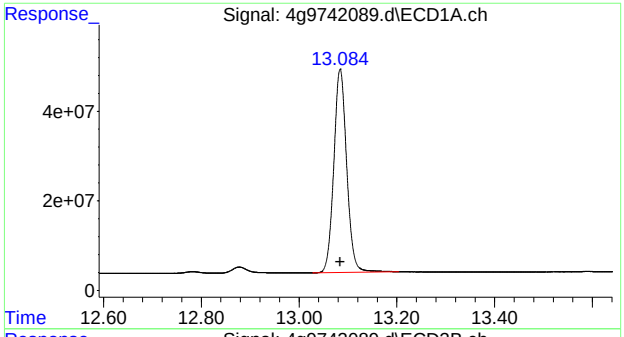
#2 Tetrachloro-m-xylene

R.T.: 5.570 min
Delta R.T.: 0.001 min
Response: 581431196
Conc: 3.08 PPB



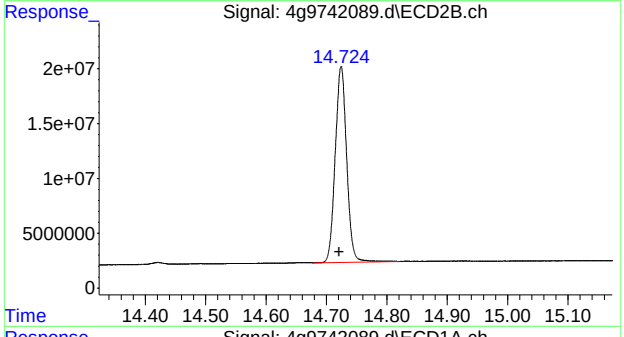
#2 Tetrachloro-m-xylene

R.T.: 6.122 min
Delta R.T.: 0.004 min
Response: 336258730
Conc: 3.05 PPB



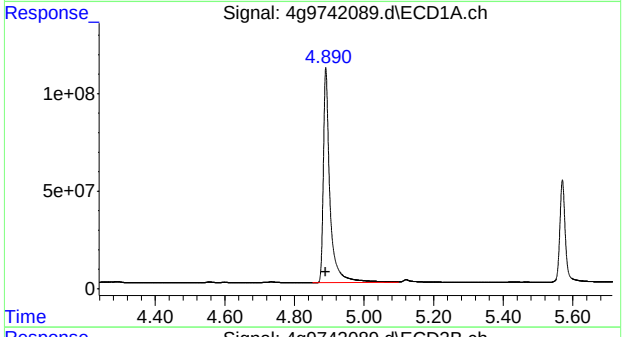
#26 Decachlorobiphenyl

R.T.: 13.084 min
Delta R.T.: 0.000 min
Response: 828554672
Conc: 3.01 PPB



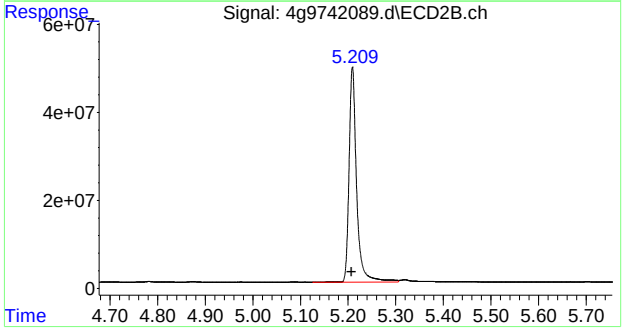
#26 Decachlorobiphenyl

R.T.: 14.724 min
Delta R.T.: 0.004 min
Response: 234862225
Conc: 3.77 PPB



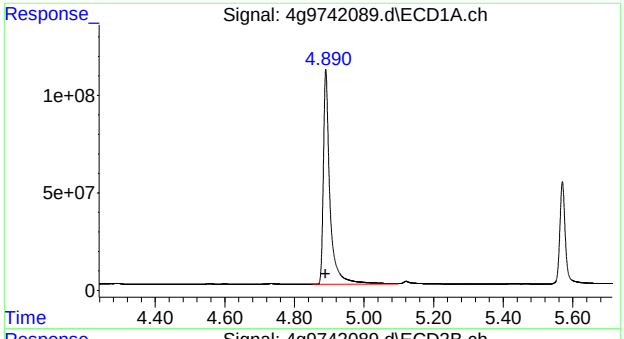
#27 1-bromo-2-nitrobenzeneA

R.T.: 4.890 min
Delta R.T.: 0.001 min
Response: 1461980335
Conc: 5.00 PPB



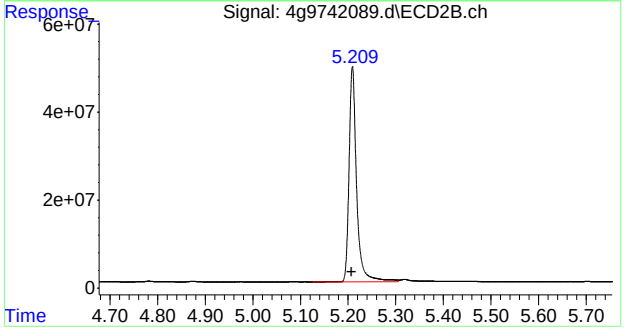
#27 1-bromo-2-nitrobenzeneA

R.T.: 5.209 min
Delta R.T.: 0.002 min
Response: 540052879
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 4.890 min
Delta R.T.: 0.001 min
Response: 1461980335
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 5.209 min
Delta R.T.: 0.002 min
Response: 540052879
Conc: 5.00 PPB

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 12/10/24 18:55

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\GRM722_2\
Data File : rm30403.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 08:19 am
Operator : mahalial
Sample : op59855-mb1 m
Misc : op59855,grm722,5.0,,,10,1
ALS Vial : 78 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 19:59:11 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\GRM722_2\lviPCBGRM695A.M
Quant Title :
QLast Update : Tue Dec 10 00:19:01 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) S	Tetrachlo...	3.702	4.197	469.4E6	341.2E6	4.534	4.653
	Spiked Amount 40.000			Recovery	=	11.33%	11.63%
51) S	Decachlor...	9.511	10.535	187.7E6	160.1E6	3.630m	3.535m
	Spiked Amount 40.000			Recovery	=	9.07%	8.84%
	Target Compounds						

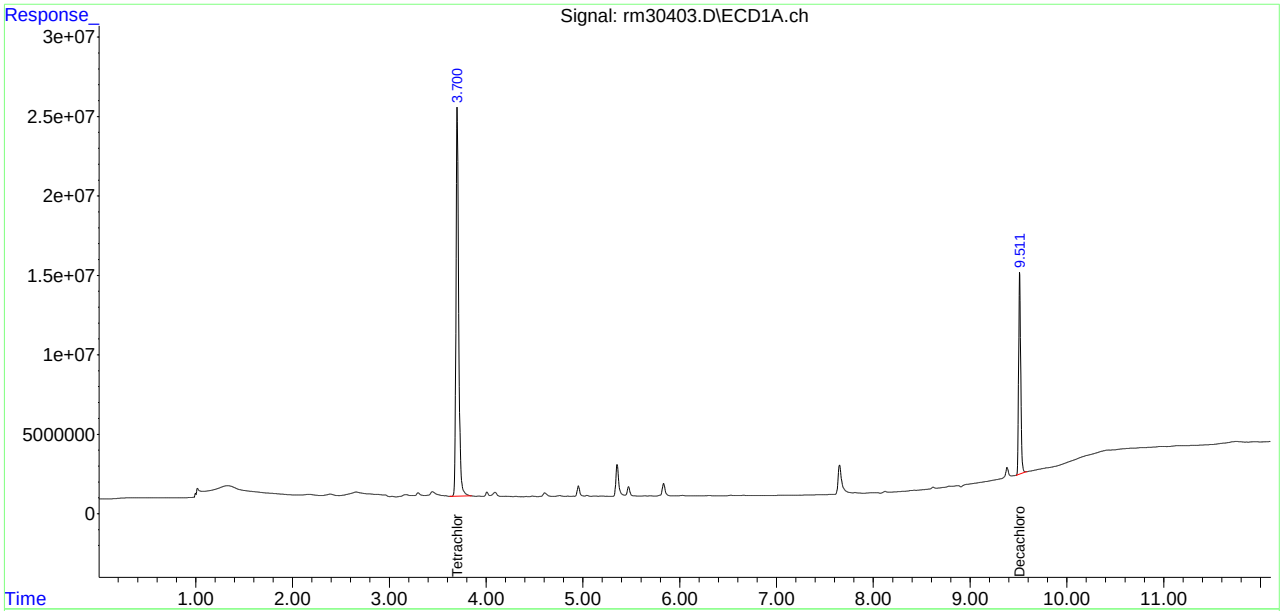
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

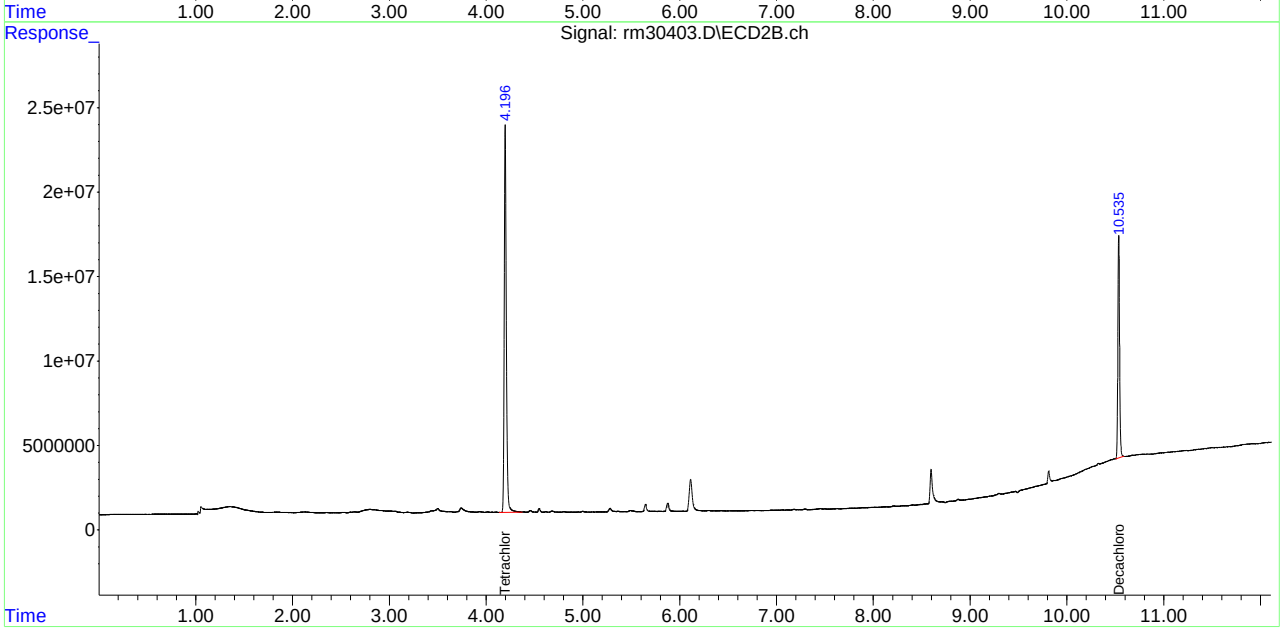
Quantitation Report (QT Reviewed)

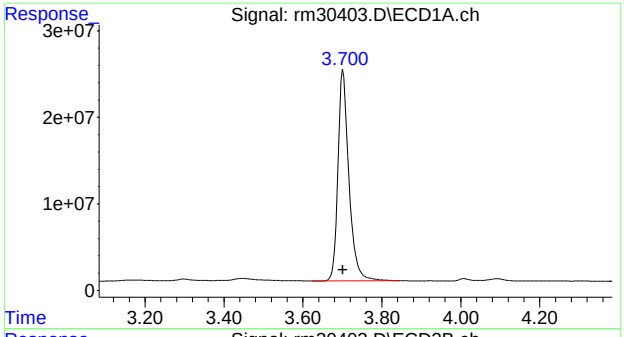
Data Path : X:\Dayton SVOA GC\8. GC Members\diegor\GRM722_2\
Data File : rm30403.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 08:19 am
Operator : mahalial
Sample : op59855-mb1 m
Misc : op59855,grm722,5.0,,,10,1
ALS Vial : 78 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 19:59:11 2024
Quant Method : X:\Dayton SVOA GC\8. GC Members\diegor\GRM722_2\lviPCBGRM695A.M
Quant Title :
QLast Update : Tue Dec 10 00:19:01 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

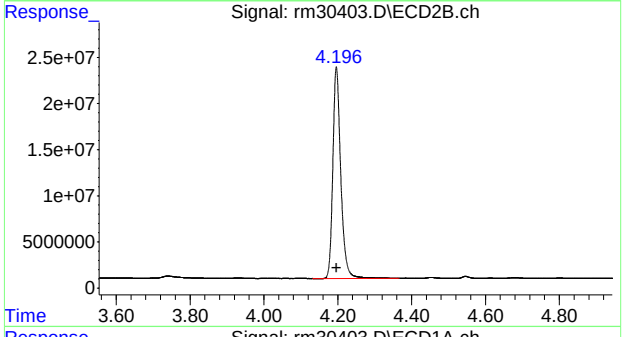






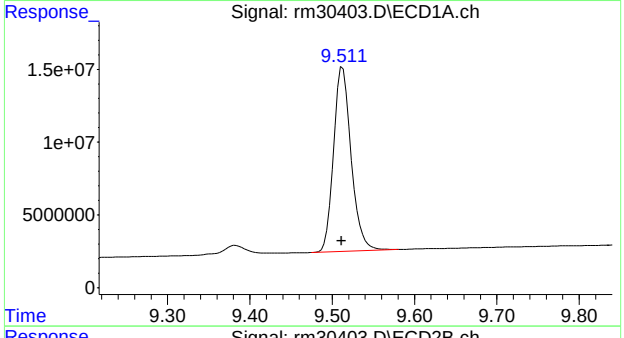
#1 Tetrachloro-m-xylene

R.T.: 3.702 min
Delta R.T.: 0.000 min
Response: 469371200
Conc: 4.53 ppb



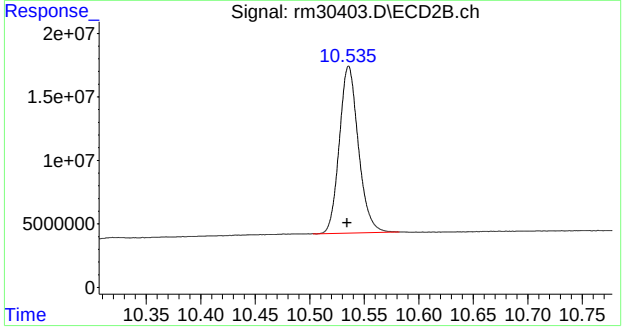
#1 Tetrachloro-m-xylene

R.T.: 4.197 min
Delta R.T.: 0.000 min
Response: 341200986
Conc: 4.65 ppb



#51 Decachlorobiphenyl

R.T.: 9.511 min
Delta R.T.: 0.000 min
Response: 187687304
Conc: 3.63 ppb m



#51 Decachlorobiphenyl

R.T.: 10.535 min
Delta R.T.: 0.000 min
Response: 160133457
Conc: 3.54 ppb m

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g4g4506\
Data File : 4g9741759.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Nov 2024 5:56 pm
Operator : mahalial
Sample : icc4506-2.5 (pest mix)
Misc : op59415,g4g4506,5.0,,,10,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 26 04:55:25 2024
Quant Method : C:\MSDCHEM\1\METHODS\4PSTLVI4506.M
Quant Title : PEST/PCB
QLast Update : Tue Nov 26 04:50:10 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB	
		Internal Standards							
1)	I	1-bromo-2...	4.911	5.230	1354.8E6	787.1E6	5.000	5.000	
27)	I	1-bromo-2...	4.911	5.230	1354.8E6	787.1E6	5.000	5.000	
33)	I	1-bromo-2...	4.911	5.230	1354.8E6	787.1E6	5.000	5.000	
		System Monitoring Compounds							
2)	SAB	Tetrachlo...	5.590	6.144	432.4E6	401.8E6	1.780	2.367	#
		Spiked Amount	40.000	Range	30 - 150	Recovery	=	4.45%#	5.92%#
26)	SA	Decachlor...	13.106	14.744	596.6E6	221.6E6	2.340	2.948	#
		Spiked Amount	40.000			Recovery	=	5.85%	7.37%
		Target Compounds							
3)		hexachlor...	5.953	6.692	753.5E6	499.0E6	1.997	2.919	#
4)	A	alpha-BHC	6.109	6.858	1162.5E6	729.0E6	3.479	3.428	
5)	MA	gamma-BHC	6.426	7.309	988.8E6	633.4E6	3.071	3.255	
6)	MA	Heptachlor	6.947	7.914	1098.4E6	602.8E6	3.634	3.594	
7)	B	beta-BHC	6.513	7.402	368.1E6	265.1E6	2.524	2.869	
8)	B	delta-BHC	6.708	7.816	998.2E6	618.9E6	3.200	3.254	
9)	MB	Aldrin	7.297	8.384	1014.0E6	595.0E6	3.618	3.514	
10)		alachlor	7.456	8.182	99412386	65709904	2.272	2.567	
11)	B	Heptachlo...	8.042	9.232	881.1E6	500.3E6	3.355	3.245	
12)	B	gamma-Chl...	8.210	9.525	928.8E6	478.1E6	3.492	3.141	
13)	B	alpha-Chl...	8.385	9.756	933.5E6	456.2E6	3.503	3.065	
14)	A	Endosulfan I	8.569	9.856	912.7E6	432.0E6	3.650	3.124	
15)	B	4,4'-DDE	8.502	10.019	802.4E6	420.3E6	3.291	2.895	
16)	MA	Dieldrin	8.901	10.300	971.9E6	441.0E6	3.684	2.906	
17)	MA	Endrin	9.232	10.813	891.0E6	373.1E6	4.033	3.427	
18)	A	4,4'-DDD	9.359	10.986	599.9E6	294.6E6	3.101	2.324	#
19)	B	Endosulfa...	9.562	11.167	796.0E6	354.3E6	3.484	2.801	
20)	MA	4,4'-DDT	9.779	11.526	553.9E6	228.3E6	2.996	2.588	
21)	B	Endrin Al...	10.199	11.745	574.5E6	250.6E6	3.202	2.600	
22)	B	Endosulfa...	10.898	12.221	667.0E6	278.6E6	3.141	2.485	
23)	A	Methoxychlor	10.568	12.768	272.1E6	110.1E6	2.502	2.235	
24)		Mirex	10.730	13.102	578.9E6	246.0E6	2.729	2.710	
25)	B	Endrin Ke...	11.339	13.152	839.4E6	322.7E6	3.328	2.689	

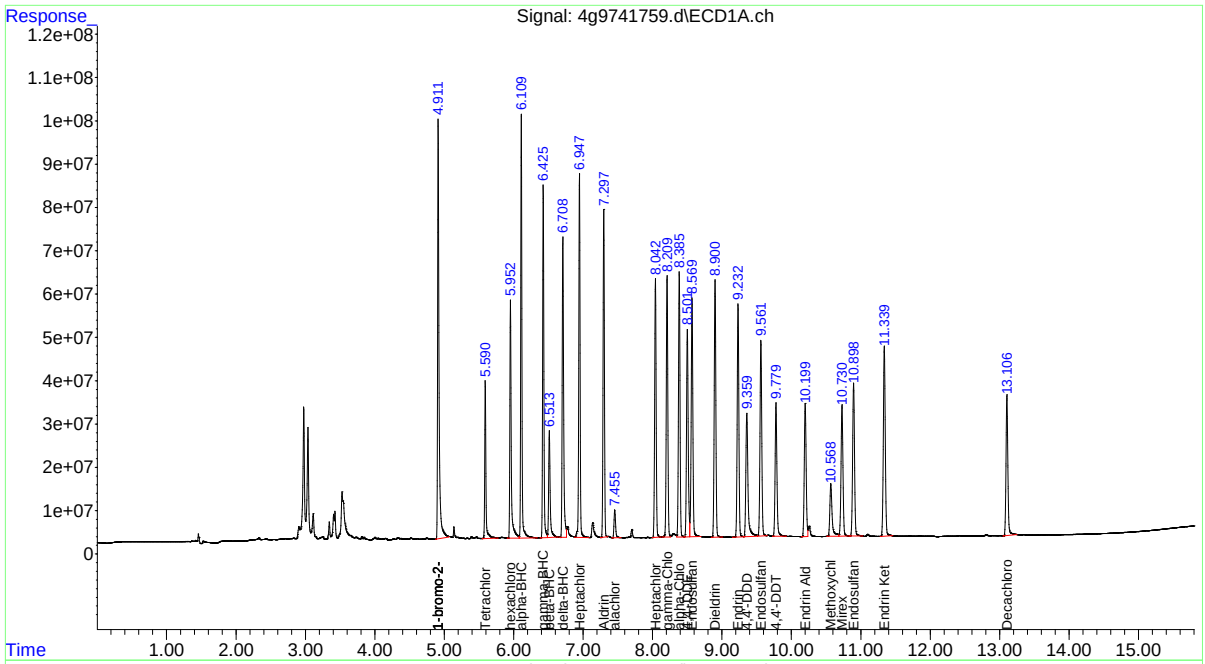
SemiQuant Compounds - Not Calibrated on this Instrument

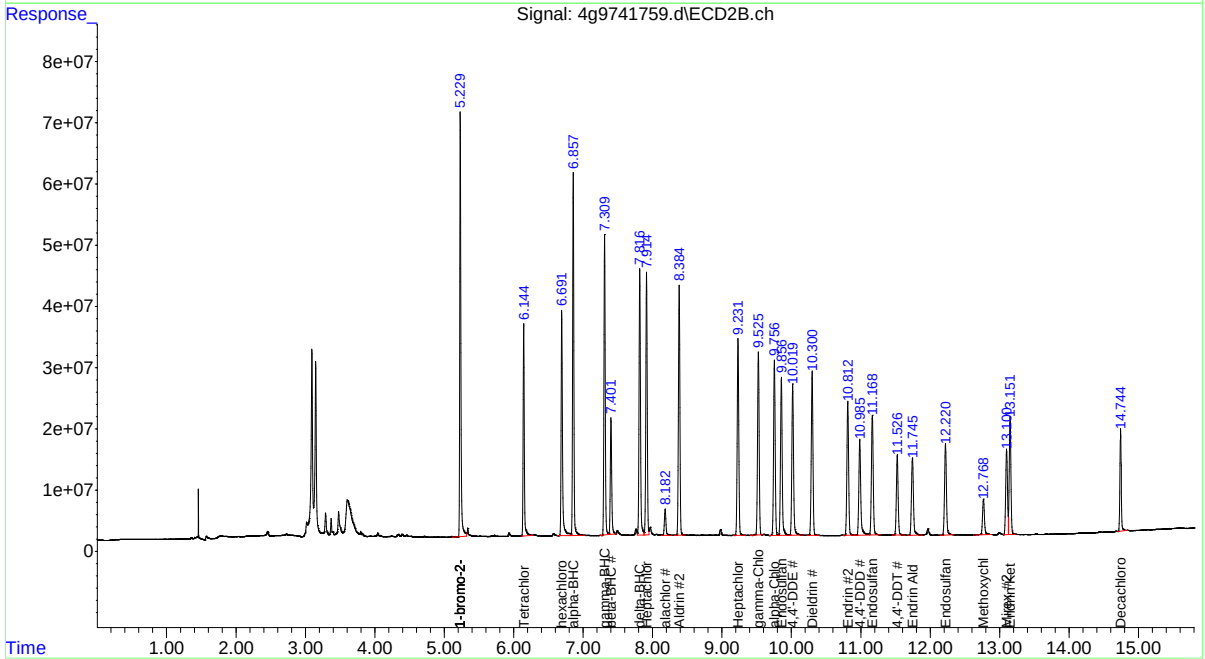
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\msdchem\1\data\g4g4506\
Data File : 4g9741759.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Nov 2024 5:56 pm
Operator : mahalial
Sample : icc4506-2.5 (pest mix)
Misc : op59415,g4g4506,5.0,,,10,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 26 04:55:25 2024
Quant Method : C:\MSDCHEM\1\METHODS\4PSTLVI4506.M
Quant Title : PEST/PCB
QLast Update : Tue Nov 26 04:50:10 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





Quantitation Report (QT Reviewed)

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 11/27/24 10:02

Data Path : C:\msdchem\1\data\g4g4506\
Data File : 4g9741764.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Nov 2024 7:50 pm
Operator : mahalial
Sample : ic4506-50 (chlordane)
Misc : op59415,g4g4506,5.0,,,10,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 26 05:34:30 2024
Quant Method : C:\MSDCHEM\1\METHODS\4PSTLVI4506.M
Quant Title : PEST/PCB
QLast Update : Tue Nov 26 05:33:37 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1) I	1-bromo-2...	4.911	5.229	1046.7E6	615.8E6	5.000	5.000
27) I	1-bromo-2...	4.911	5.229	1046.7E6	615.8E6	5.000	5.000
33) I	1-bromo-2...	4.911	5.229	1046.7E6	615.8E6	5.000	5.000
	System Monitoring Compounds						
	Target Compounds						
34)	Chlordane...	6.946	7.912	998.2E6	609.6E6	130.820	73.147 #
35)	Chlordane...	7.451	8.582	530.8E6	335.7E6	112.995	66.933 #
36)	Chlordane...	8.210	9.522	2150.8E6	1085.6E6	130.802	66.963 #
37)	Chlordane...	8.378	9.753	3389.4E6	1705.7E6	129.620	62.412m#
38)	Chlordane...	9.463	11.248	448.7E6	215.2E6	124.071	54.837 #
	SemiQuant Compounds - Not Calibrated on this Instrument						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

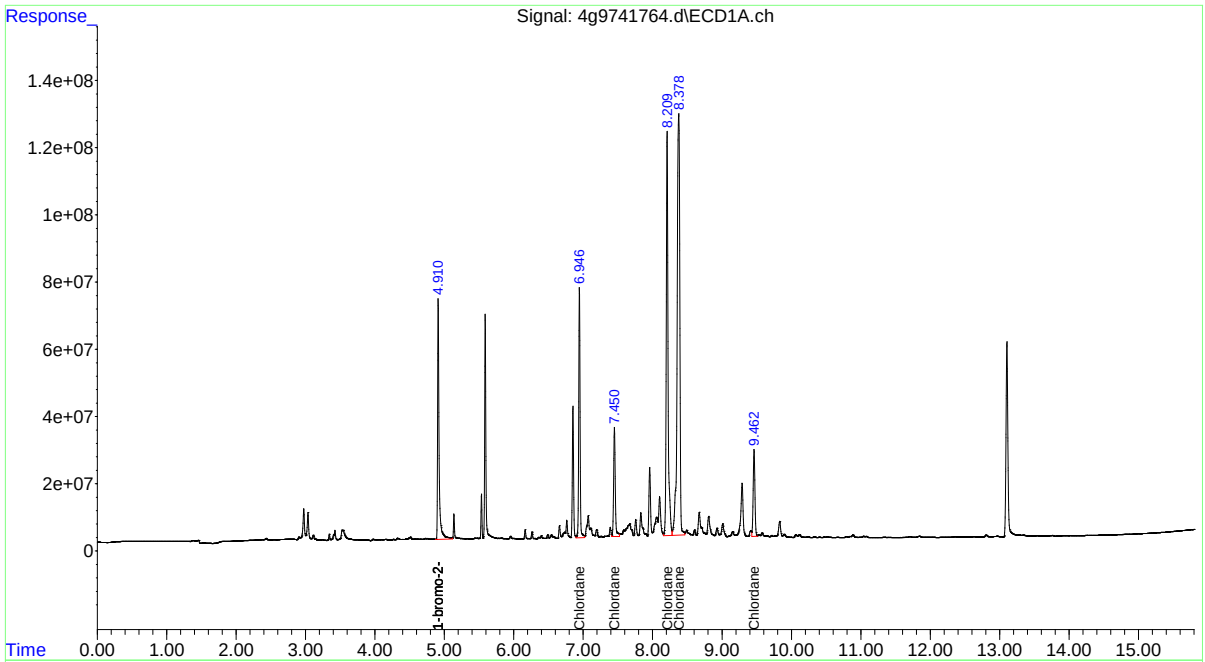
11.3.2
11

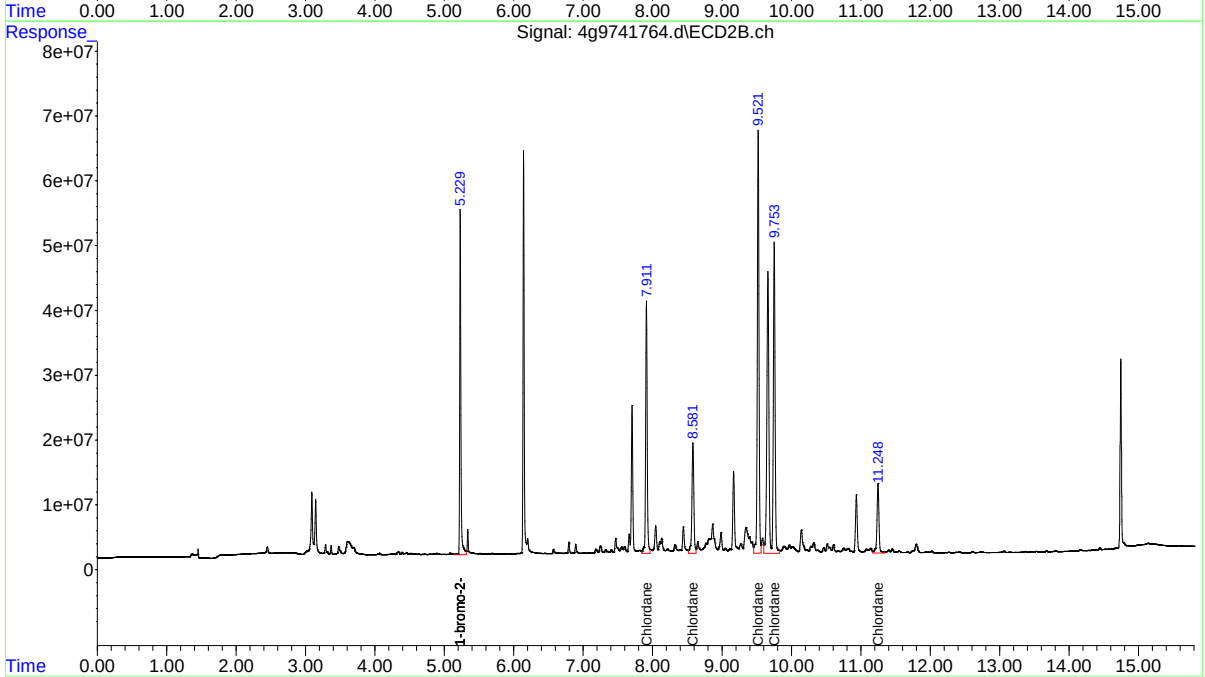
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g4g4506\
Data File : 4g9741764.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Nov 2024 7:50 pm
Operator : mahalial
Sample : ic4506-50 (chlordane)
Misc : op59415,g4g4506,5.0,,,10,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 26 05:34:30 2024
Quant Method : C:\MSDCHEM\1\METHODS\4PSTLVI4506.M
Quant Title : PEST/PCB
QLast Update : Tue Nov 26 05:33:37 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





Manual Integrations APPROVED
(compounds with "m" flag)
Gwendolyn Burns
11/27/24 10:02

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g4g4506\
Data File : 4g9741766.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Nov 2024 8:36 pm
Operator : mahalial
Sample : ic4506-50 (toxaphene)
Misc : op59415,g4g4506,5.0,,,10,1
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 26 05:57:16 2024
Quant Method : C:\MSDCHEM\1\METHODS\4PSTLVI4506.M
Quant Title : PEST/PCB
QLast Update : Tue Nov 26 05:35:34 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1)	I 1-bromo-2...	4.911	5.230	1137.8E6	668.2E6	5.000	5.000
27)	I 1-bromo-2...	4.911	5.230	1137.8E6	668.2E6	5.000	5.000
33)	I 1-bromo-2...	4.911	5.230	1137.8E6	668.2E6	5.000	5.000
	System Monitoring Compounds						
	Target Compounds						
28)	L8 Toxaphene{A}	8.348	10.442	61689806	34969929	56.569m	38.358m#
29)	L8 Toxaphene{B}	9.037	11.310	126.5E6	162.0E6	36.864	65.639m#
30)	L8 Toxaphene{C}	10.072	11.630	183.0E6	64705723	59.047m	14.754m#
31)	L8 Toxaphene{D}	10.582	11.751	215.5E6	111.3E6	102.266m	47.534m#
32)	L8 Toxaphene{E}	10.733	12.669	316.9E6	109.3E6	119.923m	44.545m#
	SemiQuant Compounds - Not Calibrated on this Instrument						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

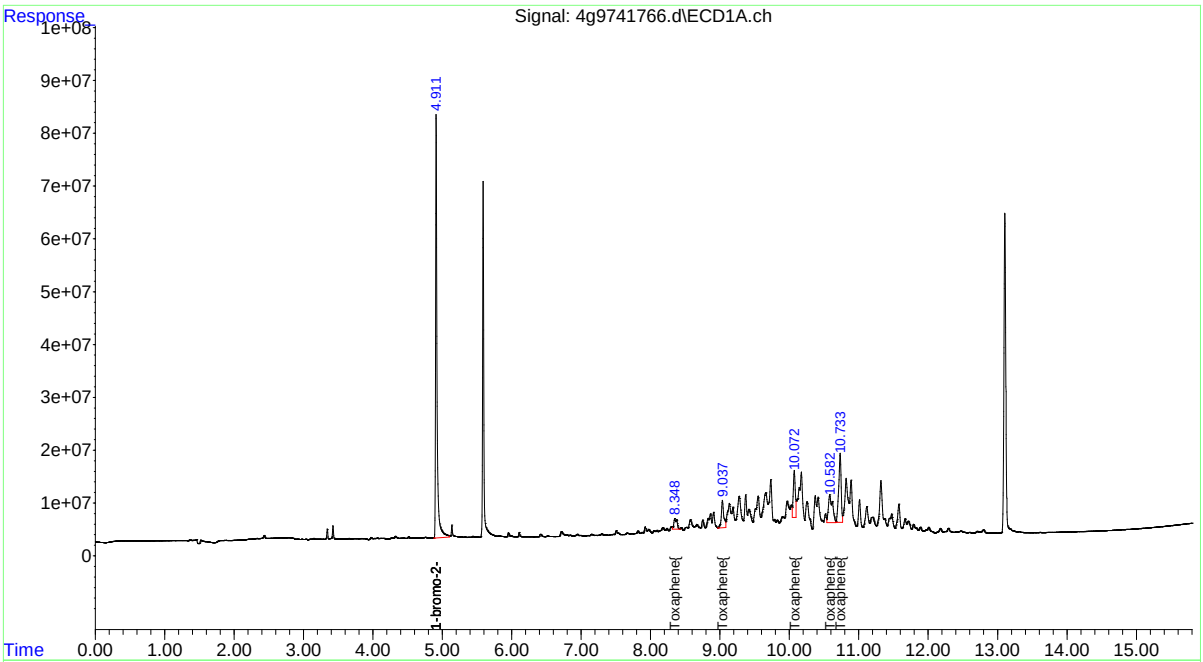
11.3.3 11

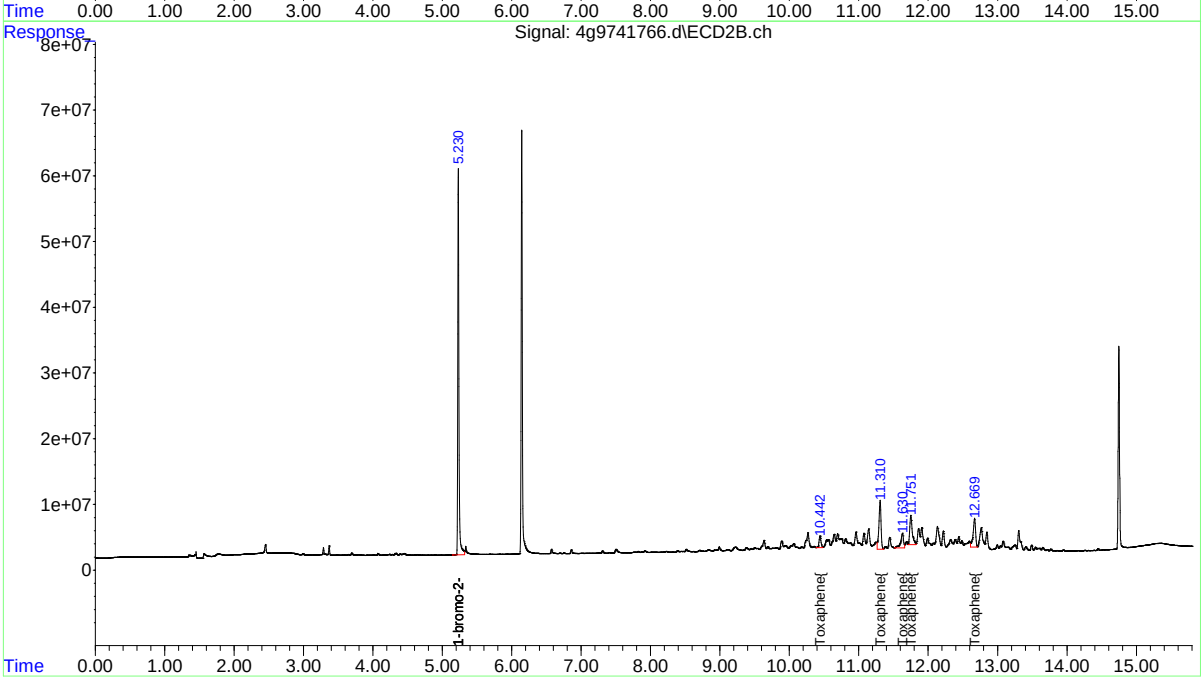
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g4g4506\
Data File : 4g9741766.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Nov 2024 8:36 pm
Operator : mahalial
Sample : ic4506-50 (toxaphene)
Misc : op59415,g4g4506,5.0,,,10,1
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 26 05:57:16 2024
Quant Method : C:\MSDCHEM\1\METHODS\4PSTLVI4506.M
Quant Title : PEST/PCB
QLast Update : Tue Nov 26 05:35:34 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug
12/09/24 11:00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103146.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 13:38 pm
Operator : rebeccak
Sample : icc3879-2.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:41:07 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:28:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
		Internal Standards						
1)	I	1-bromo-2...	4.846	5.244	3771.5E6	6854.5E6	5.000	5.000
27)	I	1-bromo-2...	4.846	5.244	3771.5E6	6854.5E6	5.000	5.000
33)	I	1-bromo-2...	4.846	5.244	3771.5E6	6854.5E6	5.000	5.000
		System Monitoring Compounds						
2)	SAB	Tetrachlo...	5.521	6.185	2045.6E6	2550.6E6	2.435	1.746 #
		Spiked Amount	40.000	Range	30 - 150	Recovery	=	6.09%# 4.37%#
26)	SA	Decachlor...	12.968	14.863	1499.5E6	3221.1E6	1.484m	2.917 #
		Spiked Amount	40.000			Recovery	=	3.71% 7.29%
		Target Compounds						
3)		Hexachlor...	5.875	6.758	3277.2E6	4887.0E6	2.409	2.022
4)	A	alpha-BHC	6.032	6.931	3430.8E6	6331.5E6	2.414	2.211
5)	MA	gamma-BHC	6.342	7.402	2925.9E6	4137.3E6	2.352m	1.704m#
6)	MA	Heptachlor	6.856	8.036	2964.8E6	4326.5E6	2.508	1.888
7)	B	beta-BHC	6.425	7.492	1174.0E6	2177.1E6	2.199	2.009
8)	B	delta-BHC	6.616	7.926	2678.5E6	4487.8E6	2.191	1.813
9)	MB	Aldrin	7.200	8.527	2848.6E6	3790.5E6	2.456	1.665 #
10)		Alachlor	7.360	8.302	309.4E6	535.3E6	2.560	2.258
11)	B	Heptachlo...	7.937	9.402	1686.6E6	3152.4E6	1.635m	1.568m
12)	B	gamma-Chl...	8.100	9.702	2703.7E6	3378.2E6	2.225	1.633m#
13)	B	alpha-Chl...	8.274	9.938	2534.3E6	3558.3E6	2.305	1.722 #
14)	A	Endosulfan I	8.457	10.046	2322.0E6	2873.9E6	2.230	1.517 #
15)	B	4,4'-DDE	8.386	10.197	2480.2E6	3206.8E6	2.270	1.548 #
16)	MA	Dieldrin	8.785	10.502	2502.8E6	3356.5E6	2.176m	1.651
17)	MA	Endrin	9.112	11.029	2430.5E6	3030.2E6	2.454	1.886m
18)	A	4,4'-DDD	9.231	11.183	1955.1E6	2691.9E6	2.141	1.635
19)	B	Endosulfa...	9.438	11.388	2140.5E6	2924.6E6	2.126m	1.613
20)	MA	4,4'-DDT	9.650	11.737	2262.7E6	2894.3E6	2.434	1.640 #
21)	B	Endrin Al...	10.072	11.977	1686.2E6	2468.1E6	2.107m	1.652m
22)	B	Endosulfa...	10.762	12.459	1885.8E6	3009.5E6	2.001m	1.895
23)	A	Methoxychlor	10.433	12.971	1074.3E6	1526.5E6	2.327	1.806m
24)		Mirex	10.592	13.318	1543.3E6	2538.4E6	1.914	2.251
25)	B	Endrin Ke...	11.201	13.364	1934.4E6	3628.9E6	1.781	2.193
		Sum Toxaphene			0	0	N.D.	N.D.
Average		Toxaphene					0.000	0.000
		SemiQuant Compounds - Not Calibrated on this Instrument						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

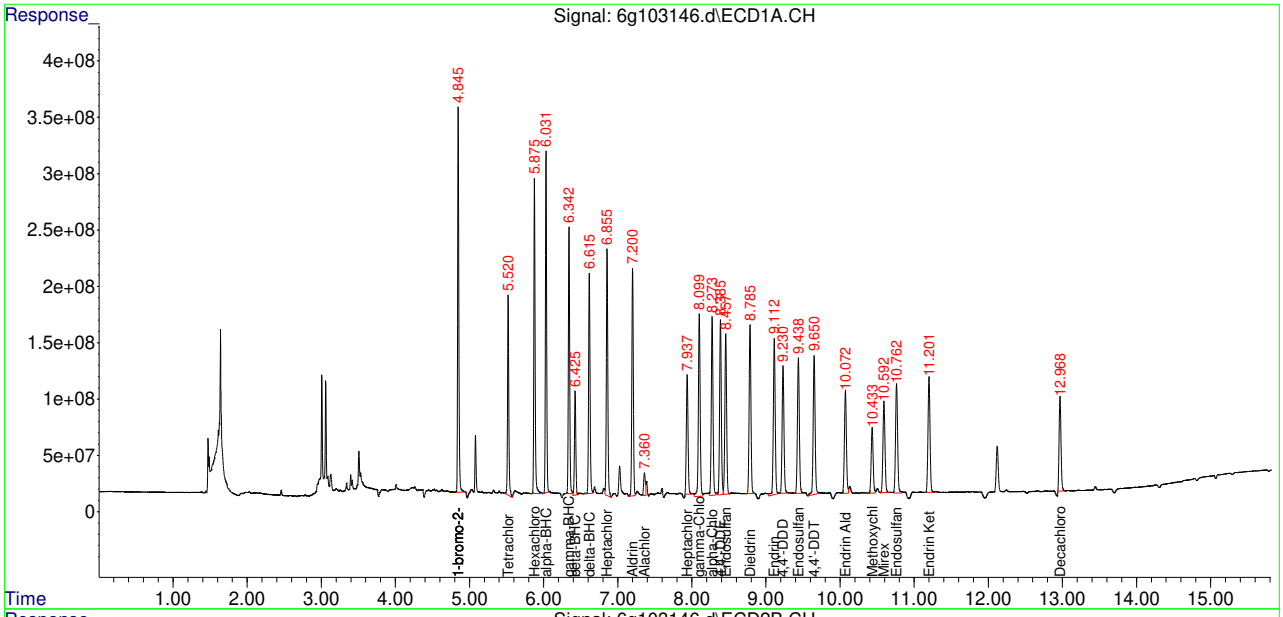
11.3.4 11

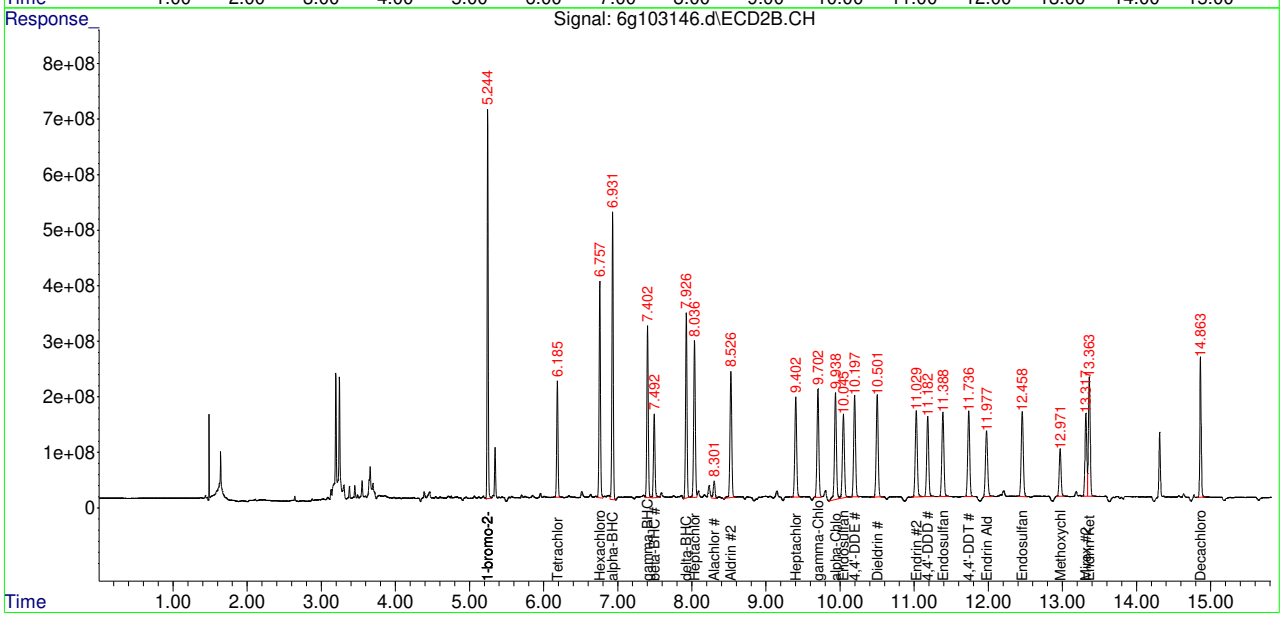
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103146.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 13:38 pm
Operator : rebeccak
Sample : icc3879-2.5
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 18:41:07 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 18:28:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





Manual Integrations APPROVED
(compounds with "m" flag)
Rebecca Krug
12/09/24 11:00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103151.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 15:22 pm
Operator : rebeccak
Sample : ic3879-50
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 12 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 21:34:02 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 21:33:10 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1)	I 1-bromo-2...	4.847	5.245	2692.8E6	5263.8E6	5.000	5.000
27)	I 1-bromo-2...	4.847	5.245	2692.8E6	5263.8E6	5.000	5.000
33)	I 1-bromo-2...	4.847	5.245	2692.8E6	5263.8E6	5.000	5.000
	System Monitoring Compounds						
2)	SAB Tetrachlo...	5.520	6.185	3172.0E6	5851.9E6	5.288	5.216
	Spiked Amount 40.000	Range 30 - 150		Recovery =		13.22%#	13.04%#
26)	SA Decachlor...	12.969	14.865	2544.1E6	4879.3E6	3.526	5.754 #
	Spiked Amount 40.000			Recovery =		8.81%	14.38%
	Target Compounds						
	Sum Toxaphene			0	0	N.D.	N.D.
	Average Toxaphene					0.000	0.000
34)	Chlordane...	6.856	8.036	2365.0E6	3718.2E6	59.350	43.270 #
35)	Chlordane...	7.351	8.729	1279.4E6	1866.9E6	54.977	39.949 #
36)	Chlordane...	8.101	9.701	4925.1E6	5778.2E6	56.012	35.478 #
37)	Chlordane...	8.267	9.939	7505.8E6	9731.8E6	55.827	38.037m#
38)	Chlordane...	9.340	11.475	1150.3E6	1591.8E6	54.519	39.318 #
	SemiQuant Compounds - Not Calibrated on this Instrument						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

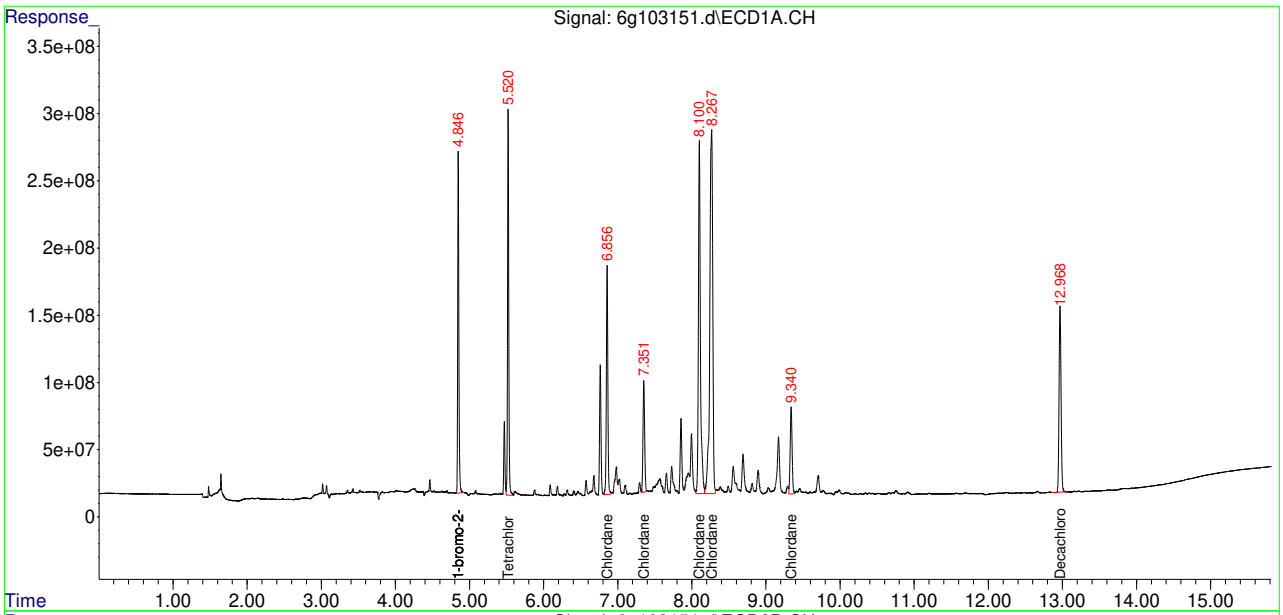
11.3.5 11

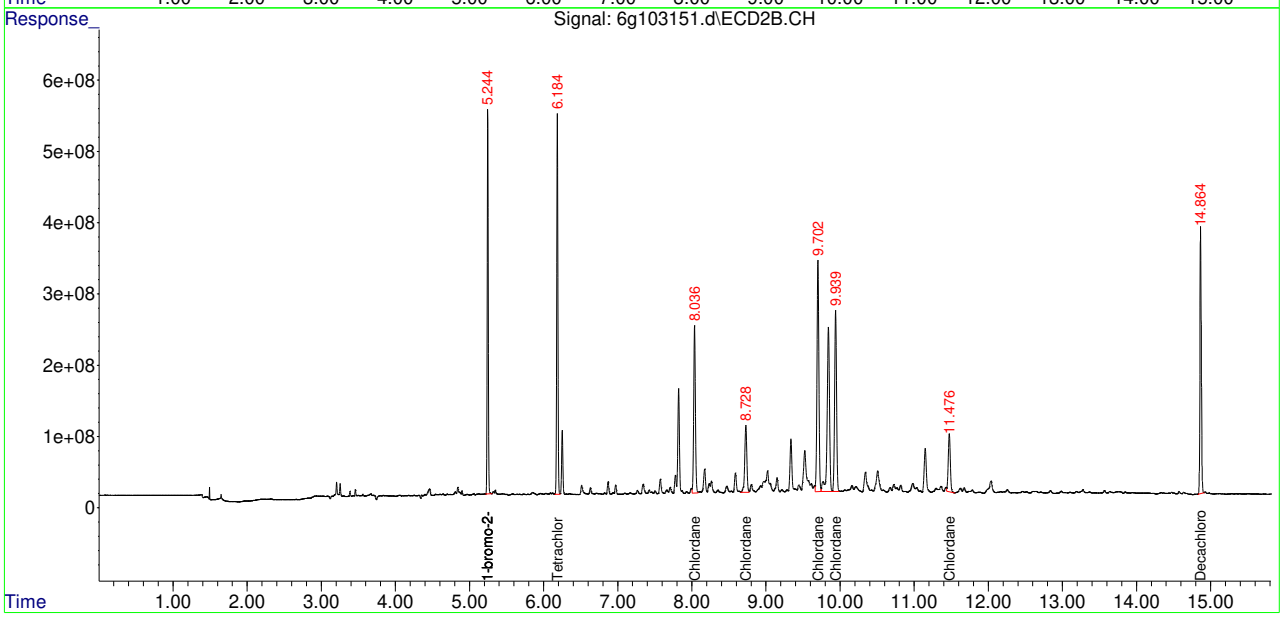
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103151.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 15:22 pm
Operator : rebeccak
Sample : ic3879-50
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 12 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 21:34:02 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 21:33:10 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug
12/09/24 11:00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103152.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 15:43 pm
Operator : rebeccak
Sample : ic3879-50
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 13 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 21:49:00 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 21:33:10 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1)	I 1-bromo-2...	4.849	5.247	2777.3E6	5217.7E6	5.000	5.000
27)	I 1-bromo-2...	4.849	5.247	2777.3E6	5217.7E6	5.000	5.000
33)	I 1-bromo-2...	4.849	5.247	2777.3E6	5217.7E6	5.000	5.000
	System Monitoring Compounds						
2)	SAB Tetrachlo...	5.522	6.187	2906.4E6	5386.0E6	4.698	4.843
	Spiked Amount	40.000	Range 30 - 150	Recovery =		11.75%#	12.11%#
26)	SA Decachlor...	12.968	14.864	2461.9E6	4613.3E6	3.308	5.488 #
	Spiked Amount	40.000		Recovery =		8.27%	13.72%
	Target Compounds						
28)	L8 Toxaphene{A}	8.266f	10.465f	182.6E6	503.0E6	44.410m	87.766m#
29)	L8 Toxaphene{B}	8.918	11.666	252.5E6	629.9E6	28.642m	47.897m#
30)	L8 Toxaphene{C}	9.609	11.852	514.1E6	458.4E6	39.307m	57.697m#
31)	L8 Toxaphene{D}	10.449	11.974	740.9E6	1054.6E6	40.327m	35.122m
32)	L8 Toxaphene{E}	10.599	12.897	881.1E6	1389.4E6	41.638m	48.265m
	Sum Toxaphene			2571.2E6	4035.3E6	194.324	276.747
Average	Toxaphene					38.865	55.349

SemiQuant Compounds - Not Calibrated on this Instrument

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

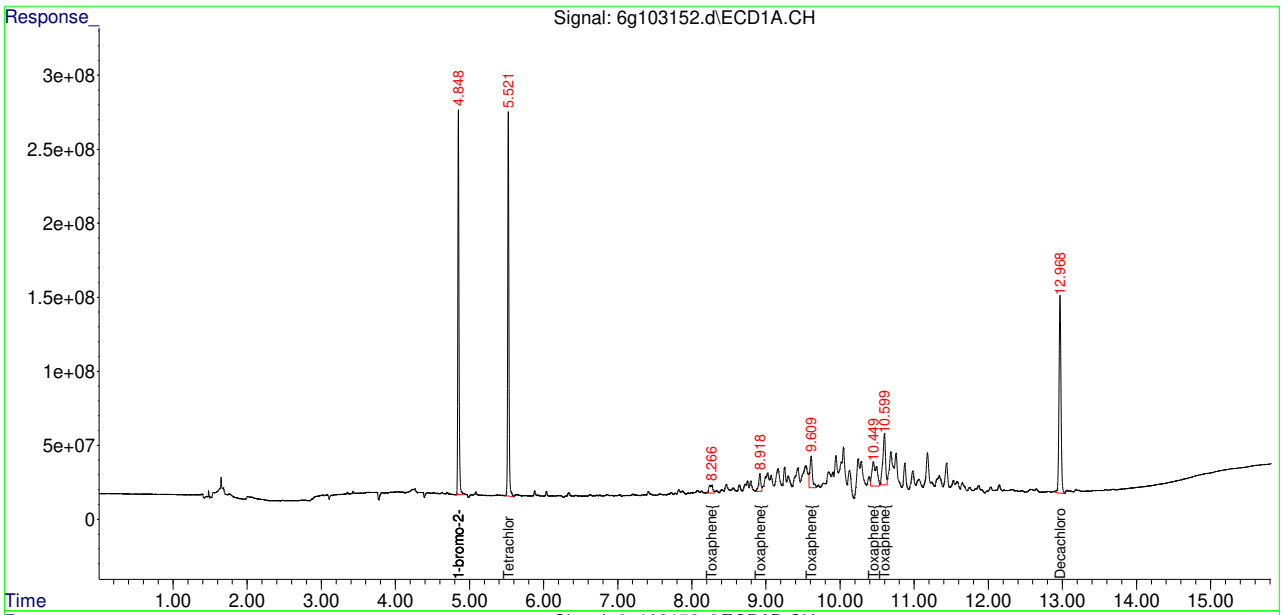
11.3.6 11

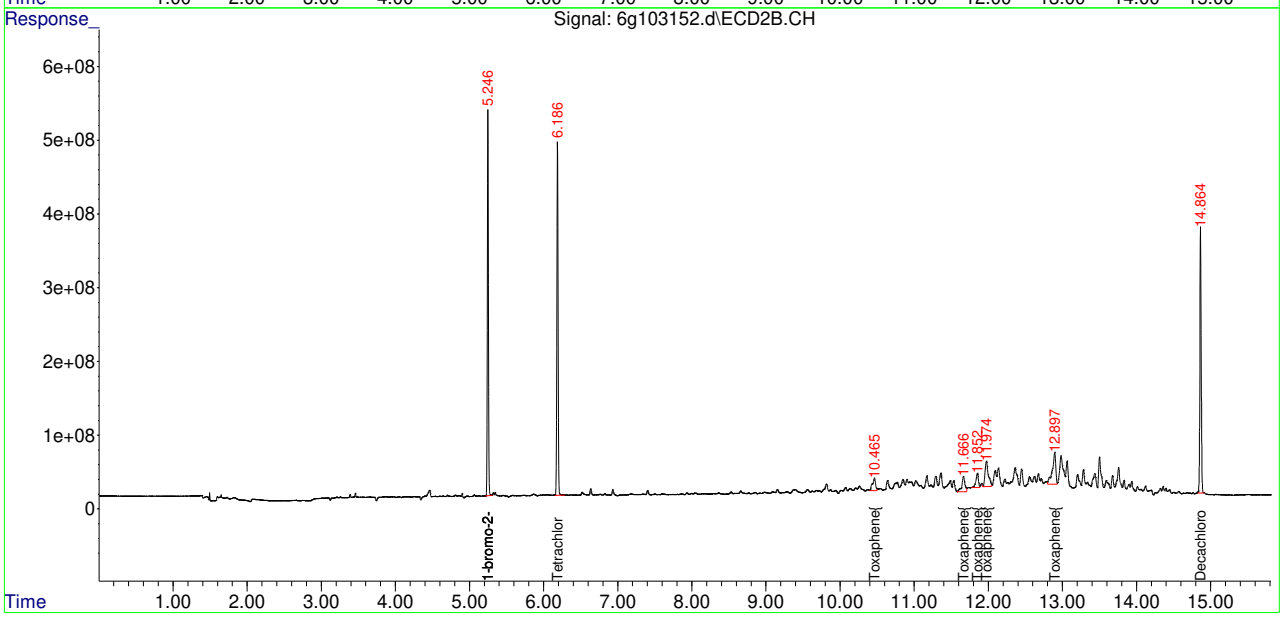
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\G6G3879\
Data File : 6g103152.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Dec 2024 15:43 pm
Operator : rebeccak
Sample : ic3879-50
Misc : op59754,g6g3879,5.0,,,10,1
ALS Vial : 0 (Sig #1); 13 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 21:49:00 2024
Quant Method : C:\msdchem\1\methods\6PSTLVI3879a.M
Quant Title : PEST/PCB
QLast Update : Fri Dec 06 21:33:10 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.50um Signal #2 Info : 30m x .32mm x .25um





Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug 11/13/24 00:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\GRM695\
Data File : rm29288.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Nov 2024 11:36 am
Operator : rebeccak
Sample : ICC695-100 (AR1016/1260)
Misc : op59274,grm695,5.0,,,10,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 20:12:32 2024
Quant Method : C:\msdchem\1\methods\lviPCBGRM695A.M
Quant Title :
QLast Update : Thu Nov 07 10:49:18 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) S	Tetrachlo...	3.706	4.206	415.3E6	293.5E6	3.458	2.917
	Spiked Amount 40.000			Recovery	=	8.64%	7.29%
51) S	Decachlor...	9.521	10.550	189.3E6	174.3E6	2.402	2.255m
	Spiked Amount 40.000			Recovery	=	6.01%	5.64%
	Target Compounds						
41)	AR1016-A	3.987	4.654	173.2E6	124.0E6	77.969	73.100
42)	AR1016-B	4.268	5.038	345.2E6	257.0E6	86.039	68.360
43)	AR1016-C	4.648	5.535	768.3E6	580.9E6	90.986	73.030m
44)	AR1016-D	4.761	5.697	311.9E6	227.3E6	89.468	74.294
45)	AR1016-E	5.120	6.002	311.9E6	120.0E6	86.993	69.533
46)	AR1260-A	7.034	8.359	685.6E6	480.4E6	58.705	61.106
47)	AR1260-B	7.578	8.821	482.8E6	391.7E6	70.346	61.974
48)	AR1260-C	7.880	9.106	419.3E6	361.2E6	74.420	62.932
49)	AR1260-D	8.232	9.315	1022.9E6	830.2E6	77.882	65.784
50)	AR1260-E	8.526	9.636	899.9E6	740.9E6	73.560m	63.358

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

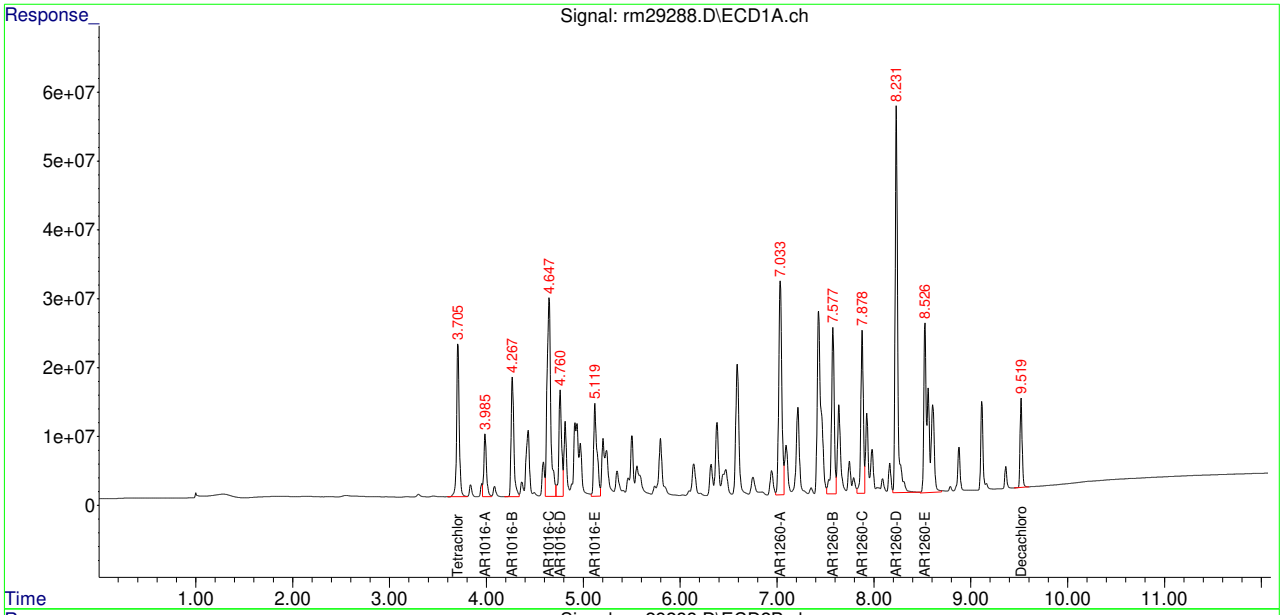
11.3.7 11

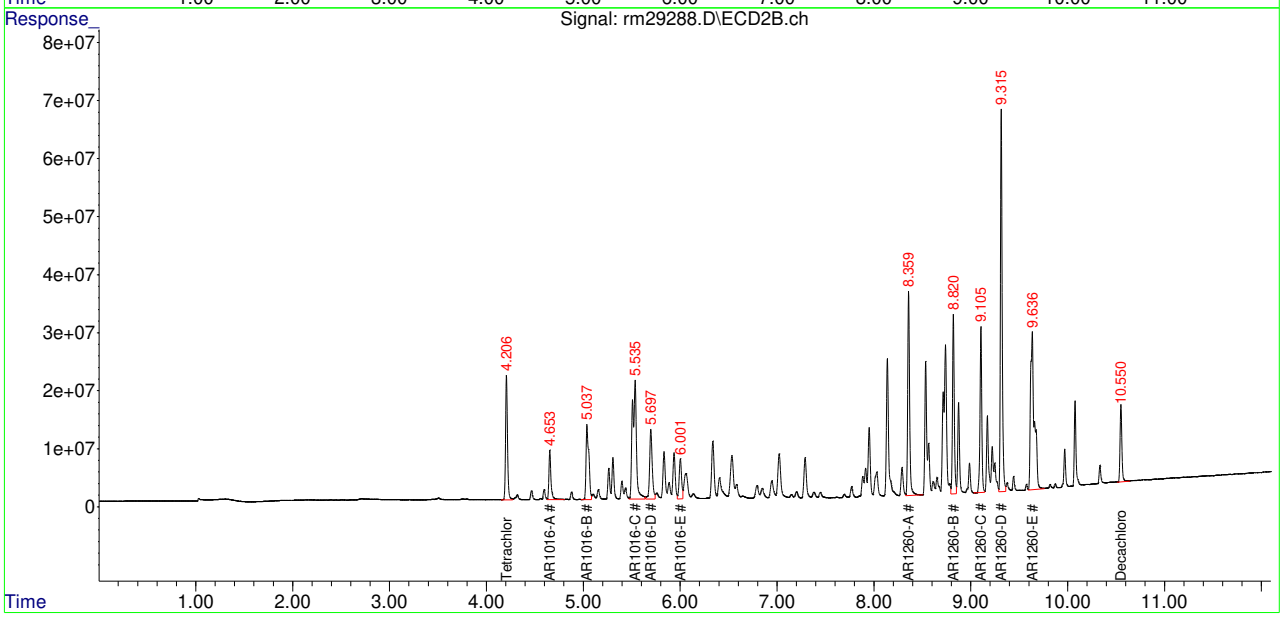
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\GRM695\
Data File : rm29288.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Nov 2024 11:36 am
Operator : rebeccak
Sample : ICC695-100 (AR1016/1260)
Misc : op59274,grm695,5.0,,,10,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 20:12:32 2024
Quant Method : C:\msdchem\1\methods\lviPCBGRM695A.M
Quant Title :
QLast Update : Thu Nov 07 10:49:18 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\GRM695\
Data File : rm29295.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Nov 2024 02:16 pm
Operator : rebeccak
Sample : IC695-100 (AR1254)
Misc : op59274,grm695,5.0,,,10,1
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 21:39:44 2024
Quant Method : C:\msdchem\1\methods\lviPCBGRM695A.M
Quant Title :
QLast Update : Tue Nov 12 21:39:07 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
	Target Compounds						
24)	AR1254-A	5.502	7.021	454.1E6	394.4E6	115.365	91.379
25)	AR1254-B	5.795	7.288	729.3E6	437.0E6	108.698	87.926
26)	AR1254-C	6.150	7.769	444.7E6	325.7E6	116.840	97.573
27)	AR1254-D	6.318	7.913	770.7E6	724.7E6	101.662	96.330
28)	AR1254-E	6.748	8.171	618.1E6	500.2E6	107.060	97.678
29)	AR1254-F	7.173	8.535	271.6E6	249.9E6	45.320	52.567
30)	AR1254-G	7.428	8.740	784.7E6	632.9E6	106.608	91.870

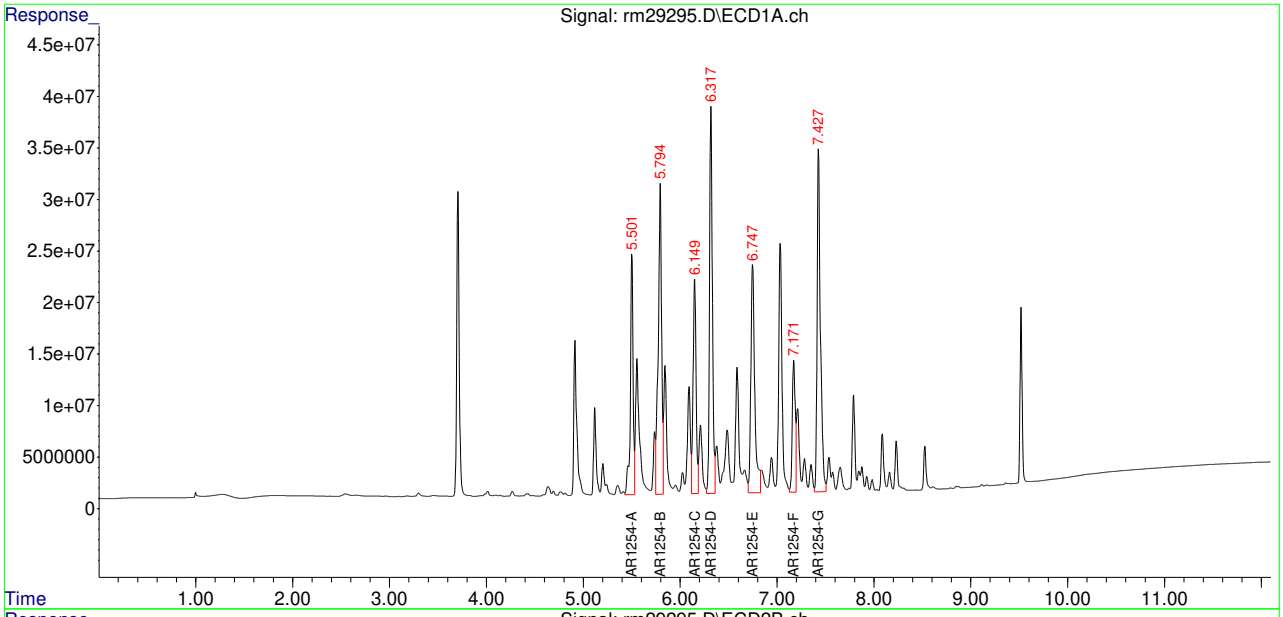
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

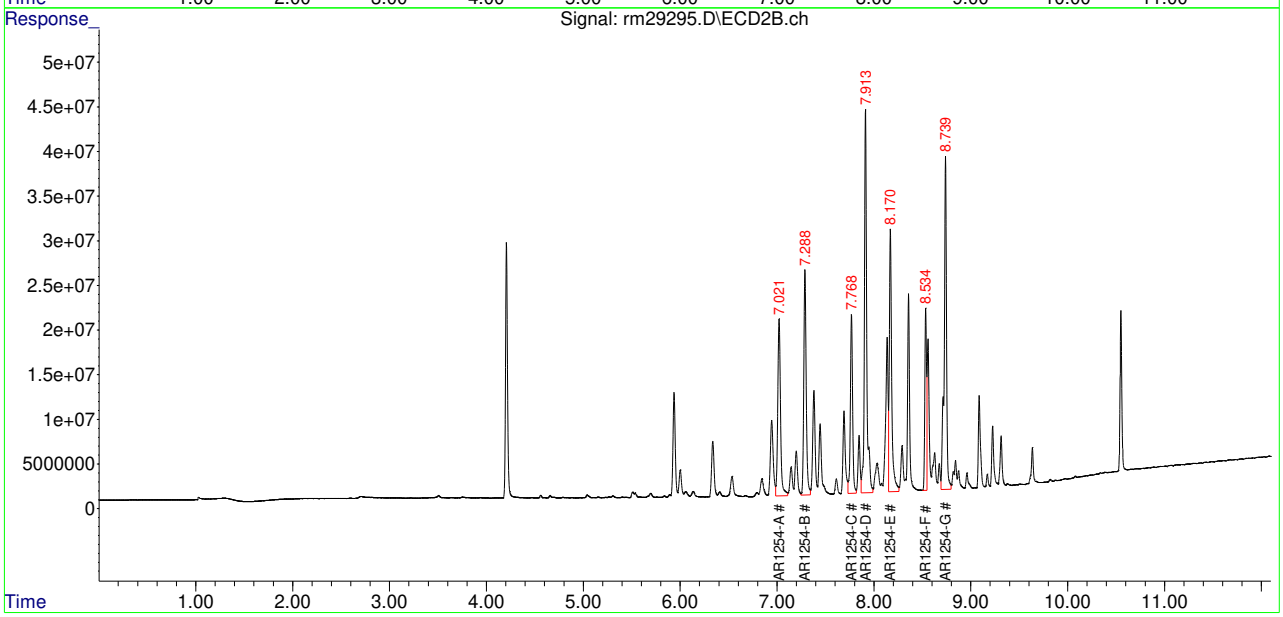
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\GRM695\
Data File : rm29295.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Nov 2024 02:16 pm
Operator : rebeccak
Sample : IC695-100 (AR1254)
Misc : op59274,grm695,5.0,,,10,1
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 21:39:44 2024
Quant Method : C:\msdchem\1\methods\lviPCBGRM695A.M
Quant Title :
QLast Update : Tue Nov 12 21:39:07 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)





Manual Integrations
APPROVED
(compounds with "m" flag)
Rebecca Krug
11/13/24 00:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\GRM695\
Data File : rm29296.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Nov 2024 02:39 pm
Operator : rebeccak
Sample : IC695-100 (AR1232)
Misc : op59274,grm695,5.0,,,10,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 21:41:41 2024
Quant Method : C:\msdchem\1\methods\lviPCBGRM695A.M
Quant Title :
QLast Update : Tue Nov 12 21:40:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
	Target Compounds						
7)	AR1232-A	3.987	4.655	347.2E6	213.3E6	133.028	107.636
8)	AR1232-B	4.268	5.038	232.4E6	170.0E6	134.687	109.271
9)	AR1232-C	4.648	5.535	492.4E6	357.4E6	141.787	118.552m
10)	AR1232-D	4.762	5.698	186.3E6	142.6E6	131.980	105.045
11)	AR1232-E	5.121	6.338	177.5E6	101.0E6	132.939	116.168

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

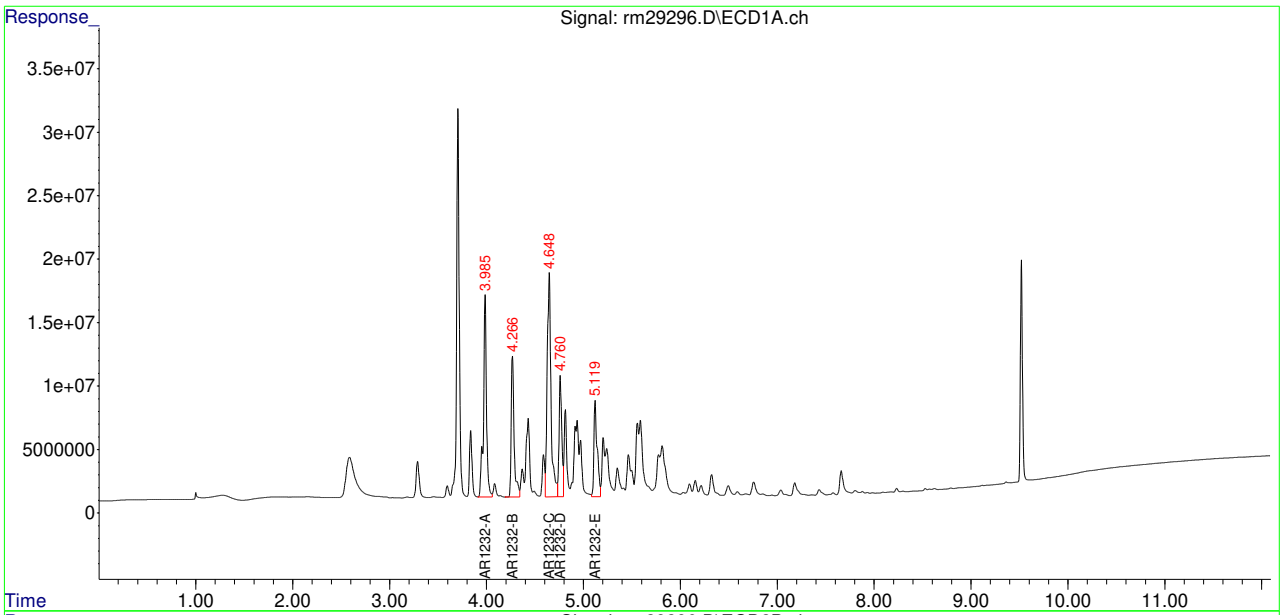
11.3.9 11

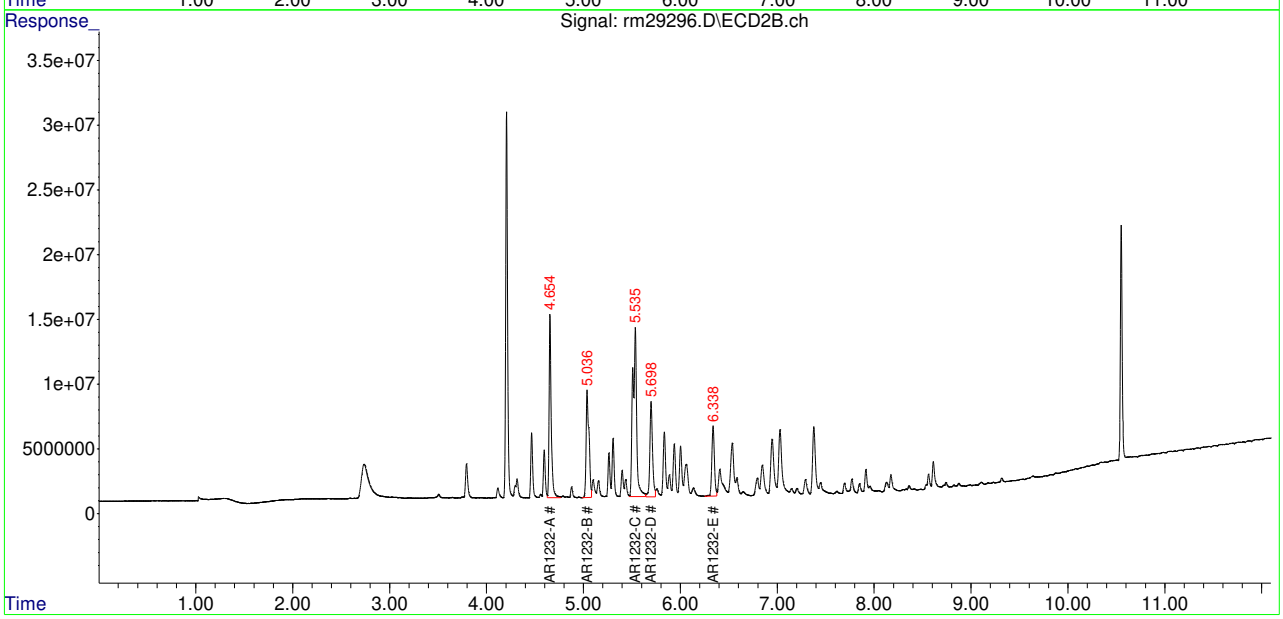
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\GRM695\
Data File : rm29296.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Nov 2024 02:39 pm
Operator : rebeccak
Sample : IC695-100 (AR1232)
Misc : op59274,grm695,5.0,,,10,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 21:41:41 2024
Quant Method : C:\msdchem\1\methods\lviPCBGRM695A.M
Quant Title :
QLast Update : Tue Nov 12 21:40:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)





Manual Integrations
APPROVED
(compounds with "m" flag)
Rebecca Krug
11/13/24 00:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\GRM695\
Data File : rm29297.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Nov 2024 03:02 pm
Operator : rebeccak
Sample : IC695-100 (AR1262)
Misc : op59274,grm695,5.0,,,10,1
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 21:44:06 2024
Quant Method : C:\msdchem\1\methods\lviPCBGRM695A.M
Quant Title :
QLast Update : Tue Nov 12 21:42:58 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
	Target Compounds						
31)	AR1262-A	7.033	8.359	662.3E6	513.1E6	109.038	85.689
32)	AR1262-B	7.577	8.821	922.8E6	782.4E6	94.657	85.492
33)	AR1262-C	7.878	9.106	720.7E6	616.9E6	101.238	89.235
34)	AR1262-D	8.231	9.315	1588.1E6	1295.8E6	103.965	92.029
35)	AR1262-E	8.561	9.622	1577.0E6	1340.2E6	102.171m	91.304m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

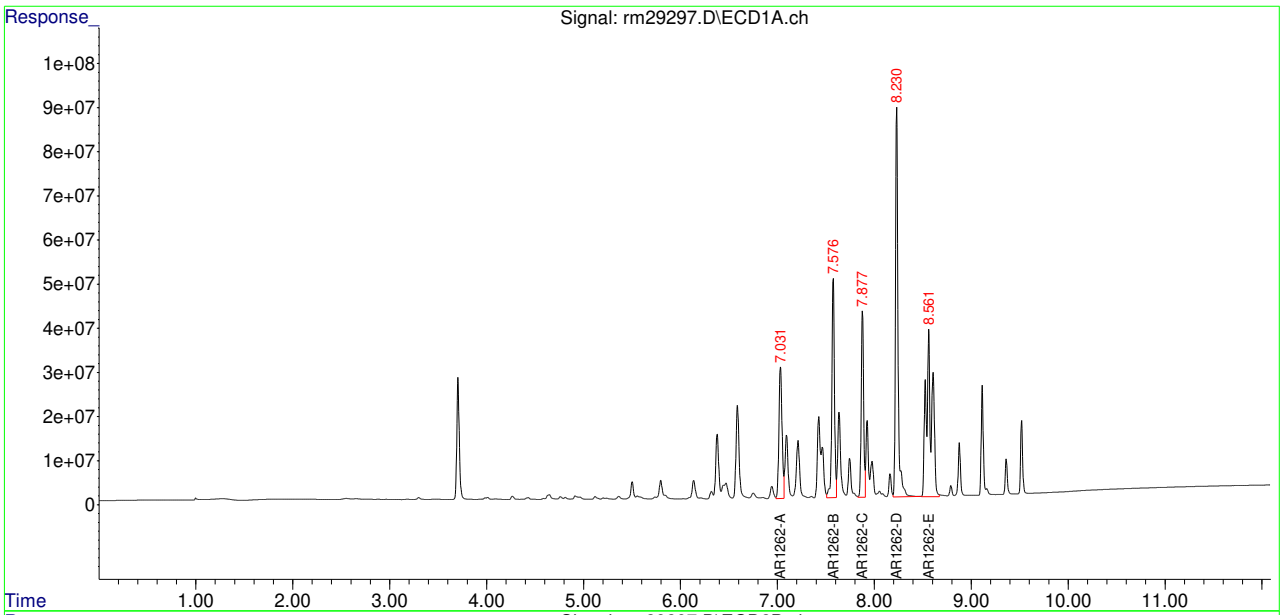
11.3.10
11

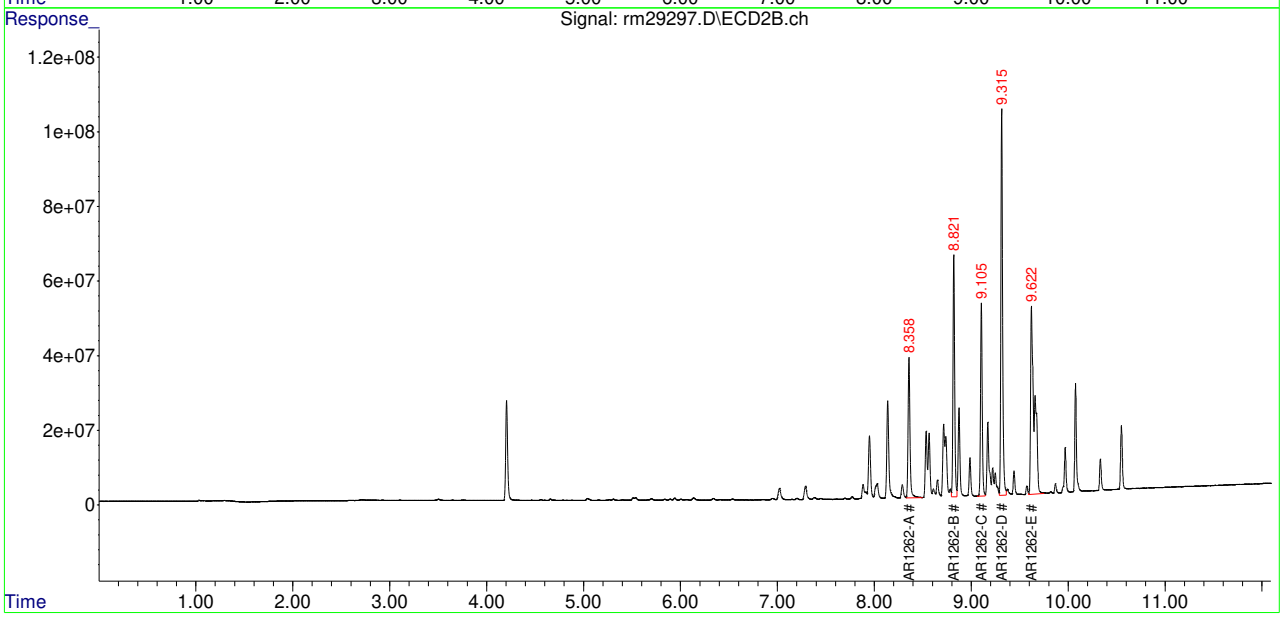
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\GRM695\
Data File : rm29297.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Nov 2024 03:02 pm
Operator : rebeccak
Sample : IC695-100 (AR1262)
Misc : op59274,grm695,5.0,,,10,1
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 21:44:06 2024
Quant Method : C:\msdchem\1\methods\lviPCBGRM695A.M
Quant Title :
QLast Update : Tue Nov 12 21:42:58 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)





Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug
11/13/24 00:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\GRM695\
Data File : rm29298.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Nov 2024 03:25 pm
Operator : rebeccak
Sample : IC695-100 (AR1242)
Misc : op59274,grm695,5.0,,,10,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 21:50:27 2024
Quant Method : C:\msdchem\1\methods\lviPCBGRM695A.M
Quant Title :
QLast Update : Tue Nov 12 21:49:36 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
	Target Compounds						
12)	AR1242-A	4.268	5.037	394.3E6	294.8E6	117.985	97.956
13)	AR1242-B	4.649	5.535	877.3E6	661.5E6	123.950	104.290m
14)	AR1242-C	4.760	5.697	351.7E6	254.8E6	125.993	90.224 #
15)	AR1242-D	5.120	5.833	352.7E6	152.9E6	118.113	111.511
16)	AR1242-E	5.586	7.026	314.1E6	251.1E6	107.891	103.433

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

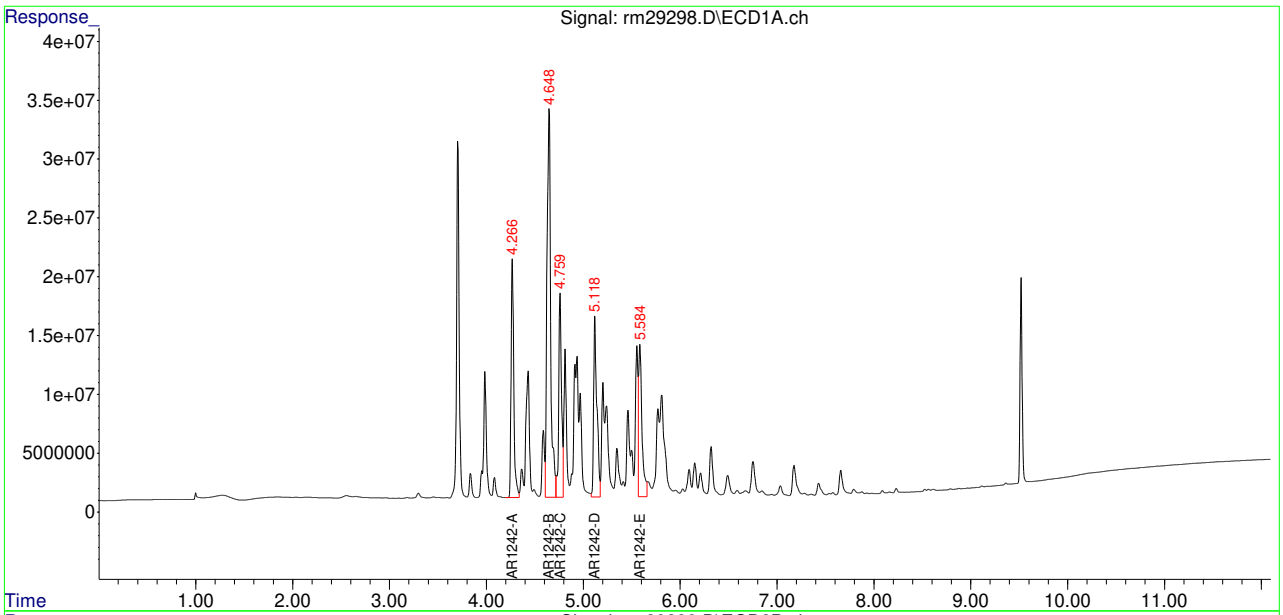
11.3.11
11

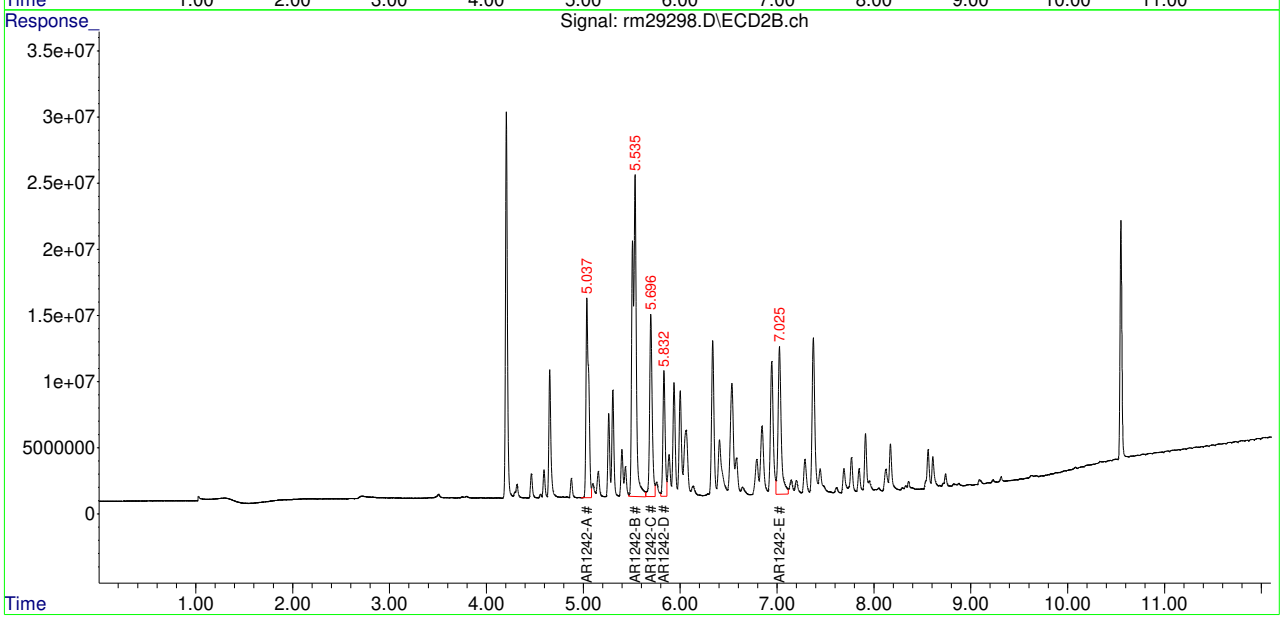
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\GRM695\
Data File : rm29298.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Nov 2024 03:25 pm
Operator : rebeccak
Sample : IC695-100 (AR1242)
Misc : op59274,grm695,5.0,,,10,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 21:50:27 2024
Quant Method : C:\msdchem\1\methods\lviPCBGRM695A.M
Quant Title :
QLast Update : Tue Nov 12 21:49:36 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)





Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug
11/13/24 00:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\GRM695\
Data File : rm29300.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Nov 2024 04:10 pm
Operator : rebeccak
Sample : IC695-100 (AR1248)
Misc : op59274,grm695,5.0,,,10,1
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 21:55:36 2024
Quant Method : C:\msdchem\1\methods\lviPCBGRM695A.M
Quant Title :
QLast Update : Tue Nov 12 21:54:28 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
	Target Compounds						
17)	AR1248-A	4.266	5.037	172.6E6	132.4E6	117.878	99.060
18)	AR1248-B	4.646	5.507	462.3E6	377.8E6	107.529	106.449m
19)	AR1248-C	4.913	5.936	552.3E6	242.5E6	114.236m	94.486
20)	AR1248-D	5.119	6.336	523.6E6	317.5E6	117.698	98.727
21)	AR1248-E	5.203	6.534	271.8E6	297.0E6	63.882	100.813 #
22)	AR1248-F	5.584	7.026	516.4E6	439.5E6	118.045	99.301
23)	AR1248-G	5.806	7.376	559.6E6	383.3E6	72.053	111.863 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

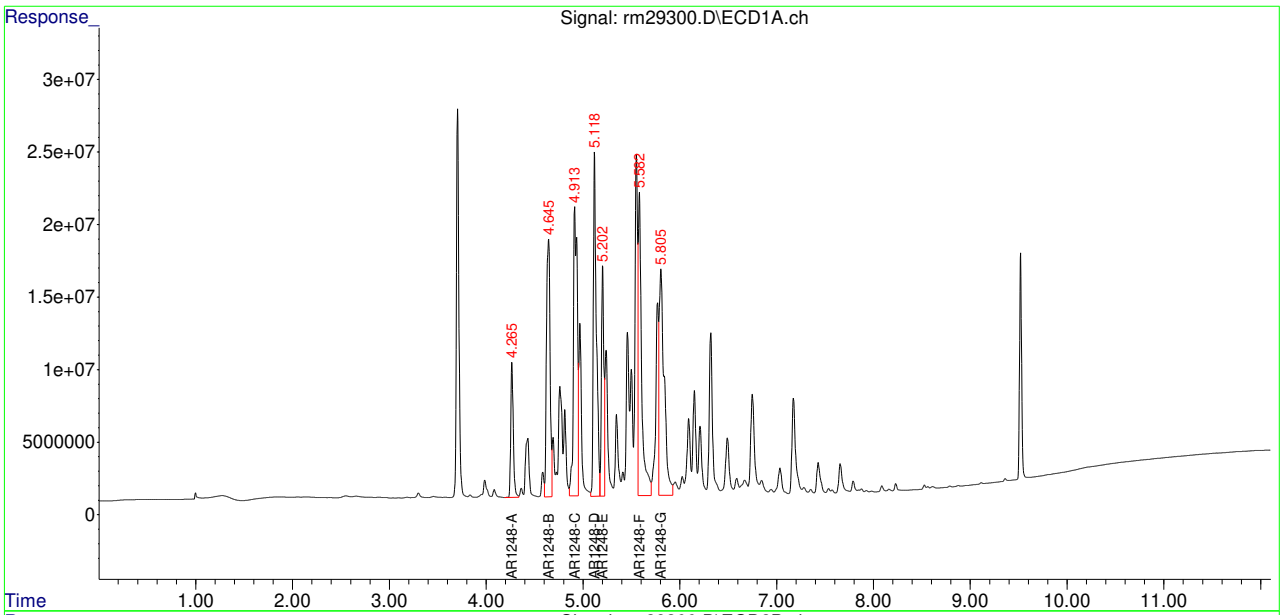
11.3.12
11

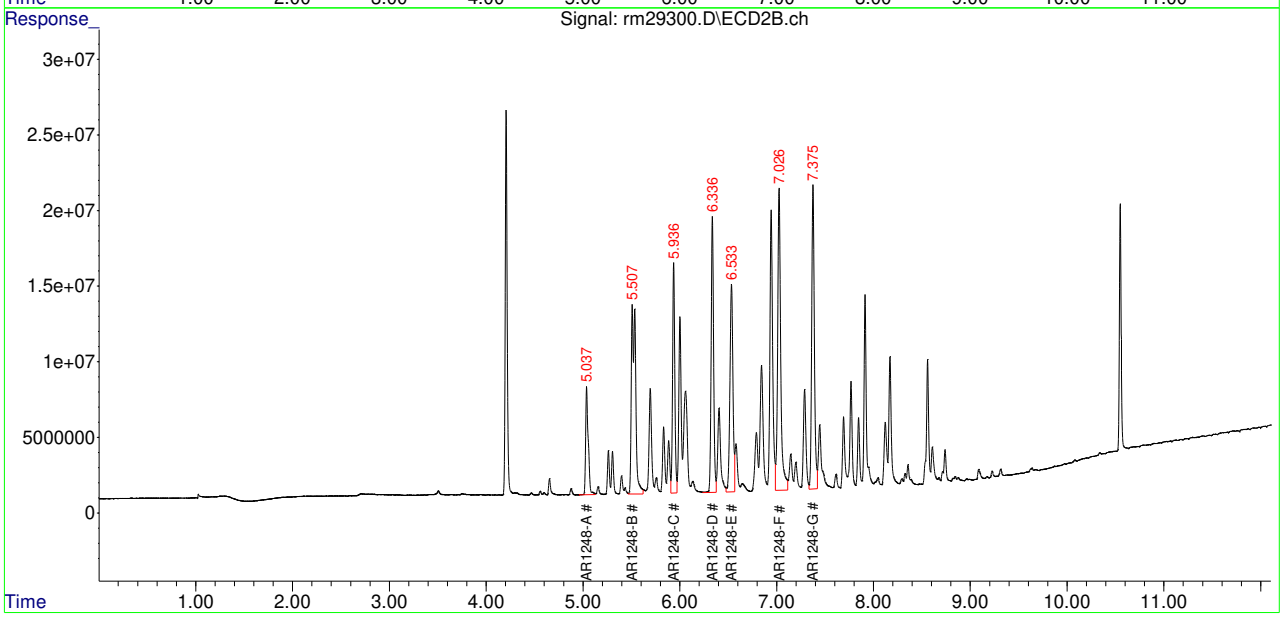
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\GRM695\
Data File : rm29300.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Nov 2024 04:10 pm
Operator : rebeccak
Sample : IC695-100 (AR1248)
Misc : op59274,grm695,5.0,,,10,1
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 21:55:36 2024
Quant Method : C:\msdchem\1\methods\lviPCBGRM695A.M
Quant Title :
QLast Update : Tue Nov 12 21:54:28 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)





Manual Integrations
APPROVED
(compounds with "m" flag)
Rebecca Krug
11/13/24 00:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\GRM695\
Data File : rm29302.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Nov 2024 04:56 pm
Operator : rebeccak
Sample : IC695-100 (AR1221) (Sig #1); ICV695-100 (AR1221) (Sig #2)
Misc : op59274,grm695,5.0,,,10,1
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 23:28:50 2024
Quant Method : C:\msdchem\1\methods\lviPCBGRM695A.M
Quant Title :
QLast Update : Tue Nov 12 21:58:30 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
	Target Compounds						
2)	AR1221-A	3.289	3.793	85185281	61705399	77.612	77.300
3)	AR1221-B	3.838	4.466	109.6E6	83724867	71.088	72.724
4)	AR1221-C	3.987	4.654	329.2E6	207.1E6	66.731	67.969
5)	AR1221-D	4.268f	5.035	126.9E6	70626064	67.913m	61.453m
6)	AR1221-E	4.648	5.534	65713974	45418454	58.447	75.954m#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

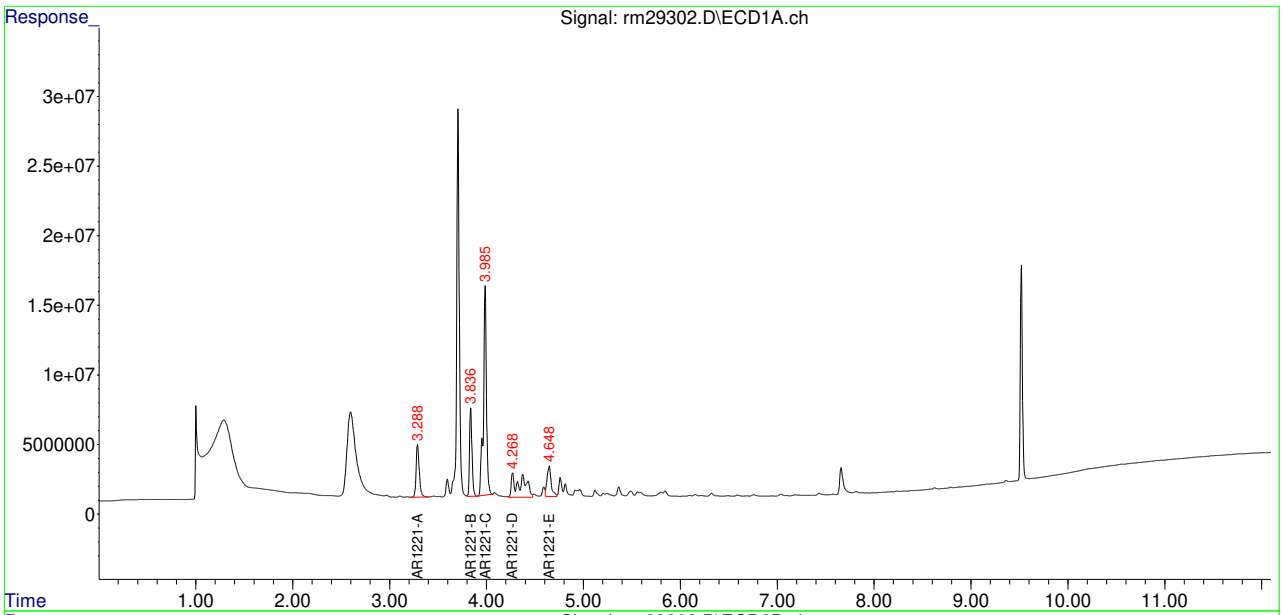
11.3.13 11

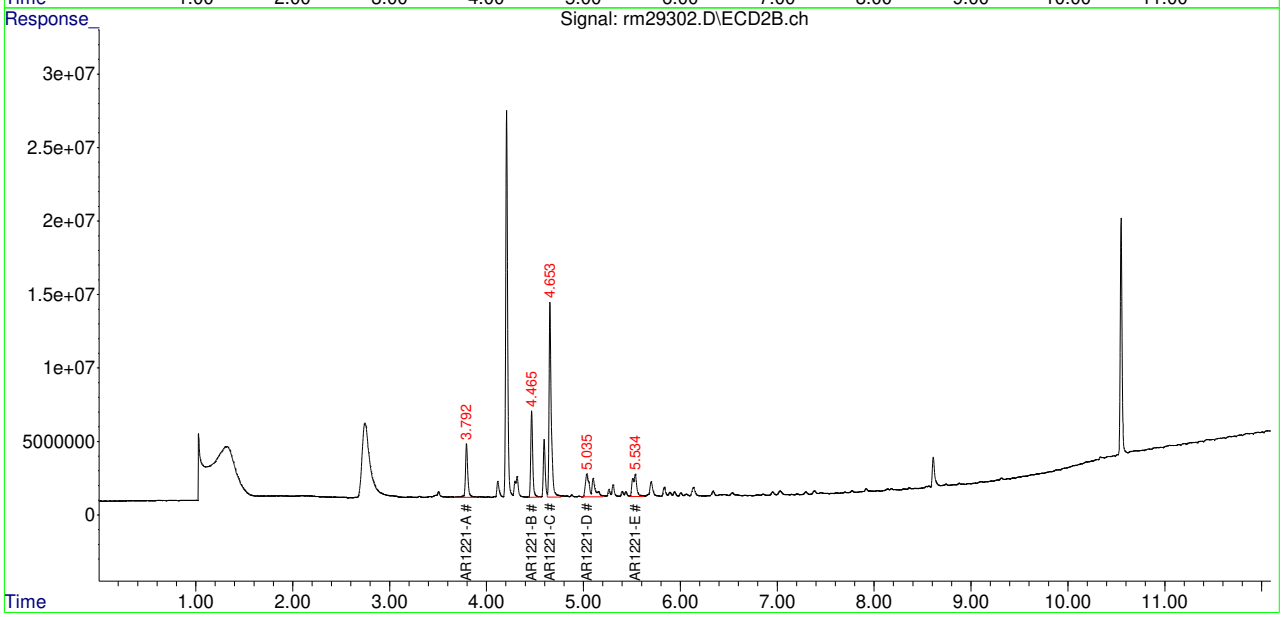
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\GRM695\
Data File : rm29302.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Nov 2024 04:56 pm
Operator : rebeccak
Sample : IC695-100 (AR1221) (Sig #1); ICV695-100 (AR1221) (Sig #2)
Misc : op59274,grm695,5.0,,,10,1
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 23:28:50 2024
Quant Method : C:\msdchem\1\methods\lviPCBGRM695A.M
Quant Title :
QLast Update : Tue Nov 12 21:58:30 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\GRM695\
Data File : rm29307.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Nov 2024 06:50 pm
Operator : rebeccak
Sample : IC695-100 (AR1268)
Misc : op59274,grm695,5.0,,,10,1
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 23:55:27 2024
Quant Method : C:\msdchem\1\methods\lviPCBGRM695A.M
Quant Title :
QLast Update : Tue Nov 12 23:29:35 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
	Target Compounds						
36)	AR1268-A	8.562	9.622	1337.2E6	1211.4E6	65.689	66.117
37)	AR1268-B	8.602	9.660	1198.4E6	1034.8E6	67.284	65.916
38)	AR1268-C	8.790	9.870	946.0E6	840.5E6	67.168	66.454
39)	AR1268-D	9.114	10.077	356.1E6	302.9E6	66.147	65.022
40)	AR1268-E	9.363	10.334	2181.9E6	2027.1E6	68.533	67.250

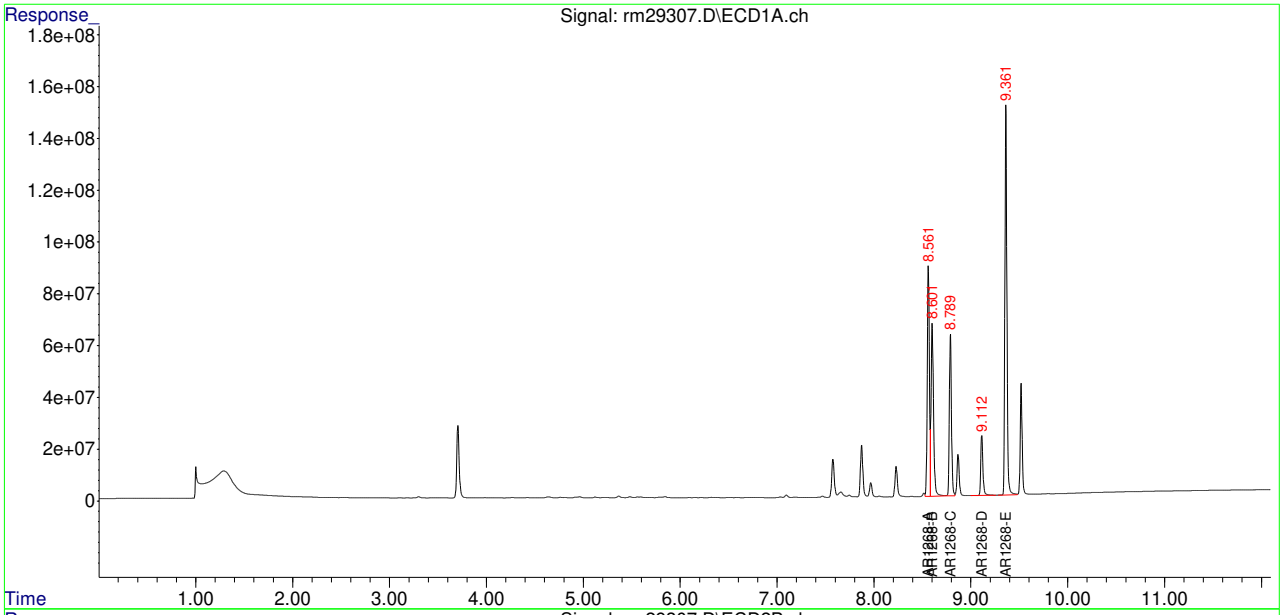
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

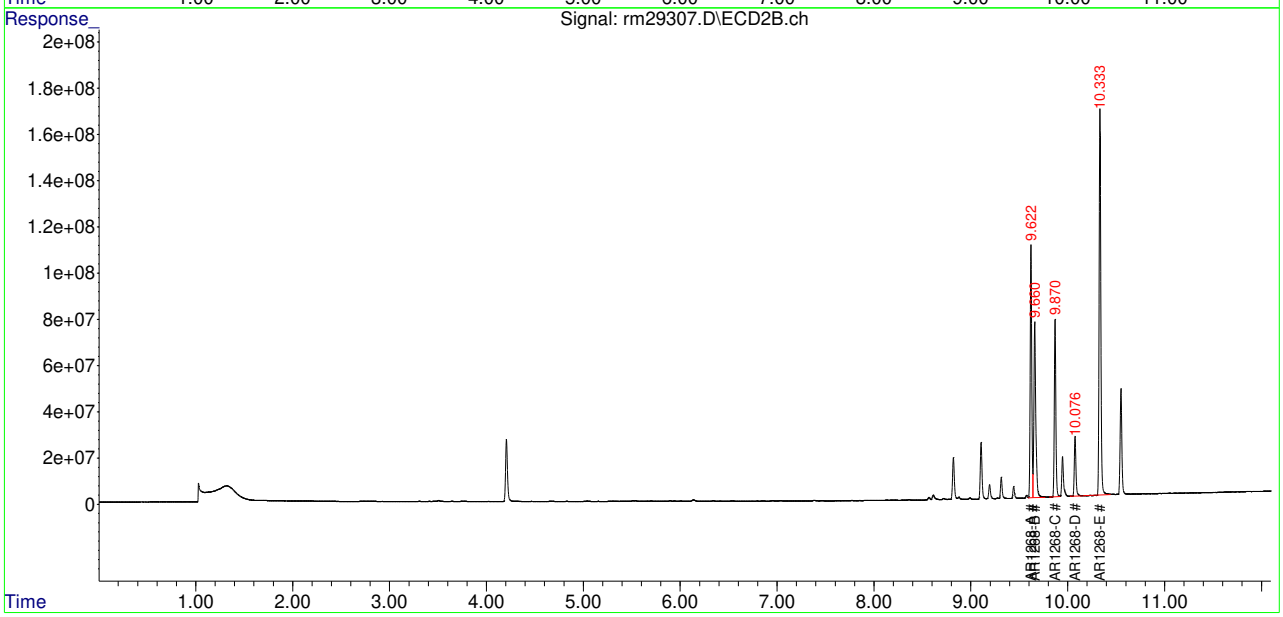
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\GRM695\
Data File : rm29307.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Nov 2024 06:50 pm
Operator : rebeccak
Sample : IC695-100 (AR1268)
Misc : op59274,grm695,5.0,,,10,1
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 23:55:27 2024
Quant Method : C:\msdchem\1\methods\lviPCBGRM695A.M
Quant Title :
QLast Update : Tue Nov 12 23:29:35 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : ZB-CLP1 Signal #2 Phase: ZB-CLP2
Signal #1 Info : 30m X 0.32mm(.32u Signal #2 Info : 30m X 0.32 mm (.25um)





Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H8120324S1.CSV Date Analyzed: 12/03/24 Methods: SW846 7471B
Analyst: MK Run ID: MA57414
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:40	MA57414-STD1	1		b=1.0092e-004,c=1.1615e-001,rho=0.9997805
10:41	MA57414-STD2	1		STDB
10:44	MA57414-STD3	1		STDC
10:45	MA57414-STD4	1		STDD
10:47	MA57414-STD5	1		STDE
10:49	MA57414-STD6	1		STDF
10:52	ZZZZZZ	1		
10:54	MA57414-ICV1	1		
10:55	MA57414-ICB1	1		
10:58	MA57414-CCV1	1		
11:00	MA57414-CCB1	1		
11:02	MA57414-CRI1	1		
11:04	MP51282-MB1	1		
11:06	MP51282-B1	1		
11:07	MP51282-S1	1		
11:09	MP51282-S2	1		
11:11	MP51282-LC1	50		
11:14	MP51282-LC2	50		
11:15	JE1562-3	1		(sample used for QC only; not part of login JE1536)
11:18	ZZZZZZ	1		
11:20	MA57414-CCV2	1		
11:22	MA57414-CCB2	1		
11:24	ZZZZZZ	1		
11:26	ZZZZZZ	1		
11:28	ZZZZZZ	1		
11:30	ZZZZZZ	1		
11:31	ZZZZZZ	1		
11:33	ZZZZZZ	1		
11:35	ZZZZZZ	1		
11:37	ZZZZZZ	1		
11:41	MA57414-CCV3	1		
11:45	MA57414-CCB3	1		
11:46	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H8120324S1.CSV Date Analyzed: 12/03/24 Methods: SW846 7471B
Analyst: MK Run ID: MA57414
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:48	ZZZZZZ	1		
11:50	ZZZZZZ	1		
11:52	ZZZZZZ	1		
11:54	ZZZZZZ	1		
11:56	ZZZZZZ	1		
11:58	ZZZZZZ	1		
11:59	ZZZZZZ	1		
12:01	MA57414-CCV4	1		
12:03	MA57414-CCB4	1		
12:05	MP51283-MB1	1		
12:07	MP51283-B1	1		
12:09	MP51283-S1	1		
12:11	MP51283-S2	1		
12:13	JE1464-1	1		(sample used for QC only; not part of login JE1536)
12:15	ZZZZZZ	1		
12:17	ZZZZZZ	1		
12:18	ZZZZZZ	1		
12:20	MA57414-CCV5	1		
12:21	MA57414-CCB5	1		
12:23	ZZZZZZ	1		
12:26	ZZZZZZ	1		
12:29	ZZZZZZ	1		
12:32	ZZZZZZ	1		
12:34	ZZZZZZ	1		
12:36	ZZZZZZ	1		
12:38	ZZZZZZ	1		
12:39	ZZZZZZ	1		
12:41	MA57414-CCV6	1		
12:44	MA57414-CCB6	1		
12:46	ZZZZZZ	1		
12:47	ZZZZZZ	1		
12:49	ZZZZZZ	1		
12:51	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H8120324S1.CSV Date Analyzed: 12/03/24 Methods: SW846 7471B
Analyst: MK Run ID: MA57414
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:53	ZZZZZZ	1		
12:55	ZZZZZZ	1		
12:58	ZZZZZZ	1		
13:00	ZZZZZZ	1		
13:02	MA57414-CCV7	1		
13:04	MA57414-CCB7	1		
13:06	MP51284-MB1	1		
13:07	MP51284-B1	1		
13:09	MP51284-S1	1		
13:12	MP51284-S2	1		
13:14	JE1510-1	1		(sample used for QC only; not part of login JE1536)
13:17	ZZZZZZ	1		
13:18	ZZZZZZ	1		
13:21	ZZZZZZ	1		
13:24	MA57414-CCV8	1		
13:27	MA57414-CCB8	1		
13:29	ZZZZZZ	1		
13:32	ZZZZZZ	1		
13:34	ZZZZZZ	1		
13:36	JE1536-1	1		
13:38	JE1536-2	1		
13:40	JE1536-3	1		
13:43	JE1536-4	1		
13:45	JE1536-5	1		
13:47	MA57414-CCV9	1		
13:49	MA57414-CCB9	1		
13:51	JE1536-6	1		
13:53	JE1536-7	1		
13:55	JE1536-8	1		
---------->	Last reportable sample/prep for job JE1536			
13:57	ZZZZZZ	1		
13:59	ZZZZZZ	1		
14:02	ZZZZZZ	1		
14:04	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H8120324S1.CSV Date Analyzed: 12/03/24 Methods: SW846 7471B
Analyst: MK Run ID: MA57414
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:06	ZZZZZZ	1		
14:07	MA57414-CCV10	1		
14:10	MA57414-CCB10	1		
---------->	Last reportable CCB for job JE1536			
14:12	MP51282-S1	2		
14:14	MP51282-S2	2		
14:16	ZZZZZZ	2		
14:19	MA57414-CCV11	1		
14:21	MA57414-CCB11	1		

Refer to raw data for calibration curve and standards.

REPORTED ELEMENTS SUMMARY

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H8120324S1.CSV Date Analyzed: 12/03/24 Methods: SW846 7471B
Analyst: MK Run ID: MA57414
Parameters: Hg

Time	Sample Description	Element: Dilution	Hg	
10:52	ZZZZZZ	1		
10:54	MA57414-ICV1	1	X	
10:55	MA57414-ICB1	1	X	
10:58	MA57414-CCV1	1	X	
11:00	MA57414-CCB1	1	X	
11:02	MA57414-CRI1	1	X	
11:04	MP51282-MB1	1	X	
11:06	MP51282-B1	1	X	
11:07	MP51282-S1	1		
11:09	MP51282-S2	1		
11:11	MP51282-LC1	50	X	
11:14	MP51282-LC2	50	X	
11:15	JE1562-3	1	X	(a)
11:18	ZZZZZZ	1		
11:20	MA57414-CCV2	1	X	
11:22	MA57414-CCB2	1	X	
11:24	ZZZZZZ	1		
11:26	ZZZZZZ	1		
11:28	ZZZZZZ	1		
11:30	ZZZZZZ	1		
11:31	ZZZZZZ	1		
11:33	ZZZZZZ	1		
11:35	ZZZZZZ	1		
11:37	ZZZZZZ	1		
11:41	MA57414-CCV3	1	X	
11:45	MA57414-CCB3	1	X	
11:46	ZZZZZZ	1		
11:48	ZZZZZZ	1		
11:50	ZZZZZZ	1		
11:52	ZZZZZZ	1		
11:54	ZZZZZZ	1		
11:56	ZZZZZZ	1		
11:58	ZZZZZZ	1		
		Element:	Hg	

REPORTED ELEMENTS SUMMARY

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H8120324S1.CSV Date Analyzed: 12/03/24 Methods: SW846 7471B
Analyst: MK Run ID: MA57414
Parameters: Hg

Time	Sample Description	Element: Dilution	Hg	
11:59	ZZZZZZ	1		
12:01	MA57414-CCV4	1	X	
12:03	MA57414-CCB4	1	X	
12:05	MP51283-MB1	1	X	
12:07	MP51283-B1	1	X	
12:09	MP51283-S1	1	X	
12:11	MP51283-S2	1	X	
12:13	JE1464-1	1	X	(a)
12:15	ZZZZZZ	1		
12:17	ZZZZZZ	1		
12:18	ZZZZZZ	1		
12:20	MA57414-CCV5	1	X	
12:21	MA57414-CCB5	1	X	
12:23	ZZZZZZ	1		
12:26	ZZZZZZ	1		
12:29	ZZZZZZ	1		
12:32	ZZZZZZ	1		
12:34	ZZZZZZ	1		
12:36	ZZZZZZ	1		
12:38	ZZZZZZ	1		
12:39	ZZZZZZ	1		
12:41	MA57414-CCV6	1	X	
12:44	MA57414-CCB6	1	X	
12:46	ZZZZZZ	1		
12:47	ZZZZZZ	1		
12:49	ZZZZZZ	1		
12:51	ZZZZZZ	1		
12:53	ZZZZZZ	1		
12:55	ZZZZZZ	1		
12:58	ZZZZZZ	1		
13:00	ZZZZZZ	1		
13:02	MA57414-CCV7	1	X	
13:04	MA57414-CCB7	1	X	
		Element:	Hg	

REPORTED ELEMENTS SUMMARY

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H8120324S1.CSV Date Analyzed: 12/03/24 Methods: SW846 7471B
Analyst: MK Run ID: MA57414
Parameters: Hg

Time	Sample Description	Element: Dilution	Hg	
13:06	MP51284-MB1	1	X	
13:07	MP51284-B1	1	X	
13:09	MP51284-S1	1	X	
13:12	MP51284-S2	1	X	
13:14	JE1510-1	1	X	(a)
13:17	ZZZZZZ	1		
13:18	ZZZZZZ	1		
13:21	ZZZZZZ	1		
13:24	MA57414-CCV8	1	X	
13:27	MA57414-CCB8	1	X	
13:29	ZZZZZZ	1		
13:32	ZZZZZZ	1		
13:34	ZZZZZZ	1		
13:36	JE1536-1	1	X	
13:38	JE1536-2	1	X	
13:40	JE1536-3	1	X	
13:43	JE1536-4	1	X	
13:45	JE1536-5	1	X	
13:47	MA57414-CCV9	1	X	
13:49	MA57414-CCB9	1	X	
13:51	JE1536-6	1	X	
13:53	JE1536-7	1	X	
13:55	JE1536-8	1	X	
13:57	ZZZZZZ	1		
13:59	ZZZZZZ	1		
14:02	ZZZZZZ	1		
14:04	ZZZZZZ	1		
14:06	ZZZZZZ	1		
14:07	MA57414-CCV10	1	X	
14:10	MA57414-CCB10	1	X	
14:12	MP51282-S1	2	X	
14:14	MP51282-S2	2	X	
14:16	ZZZZZZ	2		
		Element:	Hg	

REPORTED ELEMENTS SUMMARY

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H8120324S1.CSV Date Analyzed: 12/03/24 Methods: SW846 7471B
Analyst: MK Run ID: MA57414
Parameters: Hg

Time	Sample Description	Dilution	Element: Hg
14:19	MA57414-CCV11	1	X
14:21	MA57414-CCB11	1	X

(a) Sample used for QC only; not part of login JE1536.

Element: Hg

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H8120324S1.CSV Date Analyzed: 12/03/24 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA57414 Units: ug/l

Time:			10:55		11:00		11:22		11:45	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.013	0.00200	<0.20	-0.0255	<0.20	-0.0473	<0.20	-0.0173	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H8120324S1.CSV Date Analyzed: 12/03/24 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA57414 Units: ug/l

Time:			12:03		12:21		12:44		13:04	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.013	-0.0228	<0.20	-0.0184	<0.20	0.00760	<0.20	-0.0217	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H8120324S1.CSV Date Analyzed: 12/03/24 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA57414 Units: ug/l

Time:			13:27		13:49		14:10	
Sample ID:			CCB8		CCB9		CCB10	
Metal	RL	IDL	raw	final	raw	final	raw	final
Mercury	0.20	.013	-0.00830	<0.20	0.0206	<0.20	-0.00780	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H8120324S1.CSV Date Analyzed: 12/03/24 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA57414 Units: ug/l

Time:		10:54			10:58			11:20	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	3	2.90	96.7	2.5	2.49	99.6	2.5	2.27	90.8

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H8120324S1.CSV Date Analyzed: 12/03/24 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA57414 Units: ug/l

Time:		11:41			12:01			12:20	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.47	98.8	2.5	2.49	99.6	2.5	2.46	98.4

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H8120324S1.CSV Date Analyzed: 12/03/24 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA57414 Units: ug/l

Time:		12:41			13:02			13:24	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.45	98.0	2.5	2.48	99.2	2.5	2.43	97.2

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H8120324S1.CSV Date Analyzed: 12/03/24 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA57414 Units: ug/l

Time:		13:47			14:07	
Sample ID:	CCV	CCV9		CCV	CCV10	
Metal	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.45	98.0	2.5	2.44	97.6

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: H8120324S1.CSV Date Analyzed: 12/03/24 Methods: SW846 7471B
QC Limits: 70 to 130 % Recovery Run ID: MA57414 Units: ug/l

Time:			11:02	
Sample ID:	CRI	CRIA	CRI1	
Metal	True	True	Results	% Rec
Mercury	0.20		0.195	97.5

(*) Outside of QC limits
(anr) Analyte not requested

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57432
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:39	MA57432-STD1	1		STDA
12:44	MA57432-STD2	1		STDB
12:54	MA57432-ICV1	1		
12:59	MA57432-ICB1	1		
13:11	MA57432-ICCV1	1		
13:18	MA57432-ICCV2	1		
13:23	MA57432-CCB1	1		
13:29	MA57432-CRI1	1		
13:34	MA57432-CRID1	1		
13:39	MA57432-ICSA1	1		
13:44	MA57432-ICSAB1	1		
13:49	MA57432-HSTD1	1		
13:54	MA57432-HSTD2	1		
13:59	ZZZZZZ	1		
14:04	ZZZZZZ	1		
14:09	ZZZZZZ	1		
14:14	ZZZZZZ	1		
14:19	MA57432-CCV1	1		
14:24	MA57432-CCB2	1		
14:33	MA57432-CRID2	1		
14:38	MP51276-MB1	1		
14:43	MP51276-B1	1		
14:47	MP51276-S1	1		
14:52	MP51276-S2	1		
14:57	JE1638-4	1		(sample used for QC only; not part of login JE1536)
15:02	MP51276-SD1	5		
15:06	MP51276-PS1	1		
15:11	ZZZZZZ	1		
15:16	MA57432-CCV2	1		
15:20	MA57432-CCB3	1		
15:25	ZZZZZZ	1		
15:30	ZZZZZZ	1		
15:35	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57432
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:40	ZZZZZZ	1		
15:45	ZZZZZZ	1		
15:50	ZZZZZZ	1		
15:54	ZZZZZZ	1		
15:59	ZZZZZZ	1		
16:04	ZZZZZZ	1		
16:09	ZZZZZZ	1		
16:14	MA57432-CCV3	1		
16:18	MA57432-CCB4	1		
16:23	ZZZZZZ	1		
16:28	ZZZZZZ	1		
16:33	ZZZZZZ	1		
16:38	ZZZZZZ	1		
16:43	ZZZZZZ	1		
16:47	ZZZZZZ	1		
16:52	MP51271-B1	1		
16:57	MP51271-MB1	1		All ISTD out
17:02	MP51271-S1	1		
17:06	MP51271-S2	1		
17:11	MA57432-CCV4	1		
17:15	MA57432-CCB5	1		
17:20	JE1509-1	1		(sample used for QC only; not part of login JE1536)
17:25	MP51271-SD1	5		
17:29	MP51271-PS1	1		
17:34	ZZZZZZ	1		
17:39	ZZZZZZ	1		
17:44	ZZZZZZ	1		
17:49	ZZZZZZ	1		
17:54	JE1536-1	1		
17:59	JE1536-2	1		
18:03	JE1536-3	1		
18:08	MA57432-CCV5	1		
18:13	MA57432-CCB6	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57432
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	18:18	JE1536-4	1		
	18:22	JE1536-5	1		
	18:27	JE1536-6	1		
	18:32	JE1536-7	1		
	18:37	JE1536-8	1		
---------->		Last reportable sample/prep for job JE1536			
	18:41	ZZZZZZ	1		
	18:46	ZZZZZZ	1		
	18:51	ZZZZZZ	1		
	18:56	ZZZZZZ	1		
	19:00	ZZZZZZ	1		
	19:05	MA57432-CCV6	1		
	19:10	MA57432-CCB7	1		
---------->		Last reportable CCB for job JE1536			
	19:15	ZZZZZZ	1		
	19:19	ZZZZZZ	1		
	19:24	MP51211-PS1	1		
	19:29	ZZZZZZ	1		
	19:33	ZZZZZZ	1		
	19:38	ZZZZZZ	1		
	19:43	MP51272-B1	1		
	19:47	MP51272-MB1	1		Confirm Zn
	19:52	MP51272-S1	1		
	19:57	MP51272-S2	1		
	20:02	MA57432-CCV7	1		
	20:06	MA57432-CCB8	1		
	20:11	JE1640-1	1		(sample used for QC only; not part of login JE1536)
	20:16	MP51272-SD1	5		
	20:20	MP51272-PS1	1		Rerun S
	20:25	ZZZZZZ	1		
	20:30	ZZZZZZ	1		
	20:35	ZZZZZZ	1		
	20:40	ZZZZZZ	1		
	20:45	ZZZZZZ	1		
	20:50	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57432
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:55	ZZZZZZ	1		
20:59	MA57432-CCV8	1		
21:04	MA57432-CCB9	1		
21:09	ZZZZZZ	1		
21:14	ZZZZZZ	1		
21:19	ZZZZZZ	1		
21:24	ZZZZZZ	20		
21:29	ZZZZZZ	1		
21:33	ZZZZZZ	1		
21:38	ZZZZZZ	1		
21:43	ZZZZZZ	1		
21:48	ZZZZZZ	1		
21:52	ZZZZZZ	1		
21:57	MA57432-CCV9	1		
22:02	MA57432-CCB10	1		
22:06	ZZZZZZ	1		
22:11	ZZZZZZ	1		
22:16	ZZZZZZ	10		
22:21	ZZZZZZ	5		
22:25	ZZZZZZ	10		
22:30	ZZZZZZ	10		
22:35	ZZZZZZ	5		
22:40	ZZZZZZ	5		
22:44	ZZZZZZ	10		
22:49	MA57432-CCV10	1		
22:54	MA57432-CCB11	1		
22:58	MP51262-MB1	1		
23:03	MP51262-B1	1		
23:08	MP51262-S1	1		
23:13	MP51262-S2	1		
23:18	JE1550-1	1		(sample used for QC only; not part of login JE1536)
23:23	MP51262-SD1	5		
23:28	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57432
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
23:33	ZZZZZZ	1		
23:37	ZZZZZZ	1		
23:42	ZZZZZZ	1		
23:47	MA57432-CCV11	1		
23:51	MA57432-CCB12	1		
23:56	ZZZZZZ	1		
00:01	MP51268-B1	1		
00:06	MP51268-MB1	1		Rerun MB, Suspected spiked w/ Al
00:10	MP51268-S1	1		
00:15	MP51268-S2	1		
00:19	JE1585-1	1		(sample used for QC only; not part of login JE1536)
00:24	MP51268-SD1	5		
00:29	ZZZZZZ	1		
00:34	ZZZZZZ	1		
00:39	ZZZZZZ	1		
00:44	MA57432-CCV12	1		
00:48	MA57432-CCB13	1		
00:53	MP51217-MB1	1		
00:58	MP51217-B1	1		
01:03	MP51217-S1	1		
01:07	MP51217-S2	1		
01:12	JE1523-1	1		(sample used for QC only; not part of login JE1536)
01:17	MP51217-SD1	5		Not match
01:22	ZZZZZZ	1		
01:26	ZZZZZZ	1		
01:31	ZZZZZZ	1		
01:36	MA57432-CCV13	1		
01:41	MA57432-CCB14	1		
01:46	ZZZZZZ	1		
01:50	ZZZZZZ	1		
01:55	MP51263-S1	1		
02:00	MP51263-S2	1		
02:04	JE1559-1	1		(sample used for QC only; not part of login JE1536)

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57432
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
02:09	MP51263-SD1	5		
02:14	ZZZZZZ	1		
02:18	ZZZZZZ	1		
02:23	ZZZZZZ	1		
02:28	MA57432-CCV14	1		
02:33	MA57432-CCB15	1		
02:37	MP51171-MB2	1		
02:42	MP51171-B3	1		
02:47	MP51171-B4	1		
02:51	MP51171-S1	1		Ca high
02:56	MP51171-S2	1		Ca high
03:01	JE1224-15	1		(sample used for QC only; not part of login JE1536)
03:06	MP51171-SD1	5		
03:11	MP51300-S1	1		
03:15	MP51300-S2	1		
03:20	JE1572-1	1		(sample used for QC only; not part of login JE1536)
03:25	MA57432-CCV15	1		
03:30	MA57432-CCB16	1		
03:35	MP51300-SD1	5		
03:39	MP51300-PS1	1		
03:44	ZZZZZZ	1		
03:49	MP51298-MB1	1		
03:54	MP51298-B1	1		
03:59	ZZZZZZ	1		
04:04	ZZZZZZ	1		
04:08	ZZZZZZ	1		
04:13	MP51289-LB1	1		
04:18	MP51301-MB1	1		
04:18	MP51289-MB1	1		
04:23	MA57432-CCV16	1		
04:28	MA57432-CCB17	1		
04:32	MP51289-B1	1		
04:37	MP51289-LS1	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

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Analyst: MM Run ID: MA57432
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
04:42	MP51289-S1	5		
04:46	MP51289-S2	5		
04:51	JE1602-9	5		(sample used for QC only; not part of login JE1536)
04:56	MP51289-SD1	25		
05:01	ZZZZZZ	5		
05:06	ZZZZZZ	5		
05:11	ZZZZZZ	5		
05:16	ZZZZZZ	5		
05:21	MA57432-CCV17	1		
05:25	MA57432-CCB18	1		
05:30	ZZZZZZ	5		
05:35	MP51301-MB1	1		
05:40	MP51301-B1	1		
05:44	JE1719-1	1		(sample used for QC only; not part of login JE1536)
05:49	MP51301-S1	1		
05:54	MP51301-S2	1		
05:58	MP51301-SD1	5		
06:03	ZZZZZZ	1		
06:08	ZZZZZZ	1		
06:13	ZZZZZZ	1		
06:18	MA57432-CCV18	1		
06:22	MA57432-CCB19	1		
06:27	ZZZZZZ	1		
06:32	ZZZZZZ	1		
06:37	ZZZZZZ	1		
06:42	ZZZZZZ	1		
06:46	ZZZZZZ	1		
06:51	ZZZZZZ	1		
06:56	MA57432-CCV19	1		
07:01	MA57432-CCB20	1		
07:05	ZZZZZZ	1		

Refer to raw data for calibration curve and standards.

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Login Number: JE1536
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Analyst: MM Run ID: MA57432
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	
12:54	MA57432-ICV1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
12:59	MA57432-ICB1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
13:11	MA57432-ICCV1	1																							
13:18	MA57432-ICCV2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
13:23	MA57432-CCB1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
13:29	MA57432-CRI1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
13:34	MA57432-CRID1	1																							
13:39	MA57432-ICSA1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
13:44	MA57432-ICSAB1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
13:49	MA57432-HSTD1	1	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	
13:54	MA57432-HSTD2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
13:59	ZZZZZZ	1																							
14:04	ZZZZZZ	1																							
14:09	ZZZZZZ	1																							
14:14	ZZZZZZ	1																							
14:19	MA57432-CCV1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14:24	MA57432-CCB2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14:33	MA57432-CRID2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14:38	MP51276-MB1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14:43	MP51276-B1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14:47	MP51276-S1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14:52	MP51276-S2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14:57	JE1638-4	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	(a)
15:02	MP51276-SD1	5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
15:06	MP51276-PS1	1		X											X										
15:11	ZZZZZZ	1																							
15:16	MA57432-CCV2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
15:20	MA57432-CCB3	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
15:25	ZZZZZZ	1																							
15:30	ZZZZZZ	1																							
15:35	ZZZZZZ	1																							
15:40	ZZZZZZ	1																							
15:45	ZZZZZZ	1																							
		Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	

REPORTED ELEMENTS SUMMARY

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Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57432
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	
15:50	ZZZZZZ	1																							
15:54	ZZZZZZ	1																							
15:59	ZZZZZZ	1																							
16:04	ZZZZZZ	1																							
16:09	ZZZZZZ	1																							
16:14	MA57432-CCV3	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
16:18	MA57432-CCB4	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
16:23	ZZZZZZ	1																							
16:28	ZZZZZZ	1																							
16:33	ZZZZZZ	1																							
16:38	ZZZZZZ	1																							
16:43	ZZZZZZ	1																							
16:47	ZZZZZZ	1																							
16:52	MP51271-B1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
16:57	MP51271-MB1	1																							
17:02	MP51271-S1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
17:06	MP51271-S2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
17:11	MA57432-CCV4	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
17:15	MA57432-CCB5	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
17:20	JE1509-1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	(a)
17:25	MP51271-SD1	5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
17:29	MP51271-PS1	1	X	X																					
17:34	ZZZZZZ	1																							
17:39	ZZZZZZ	1																							
17:44	ZZZZZZ	1																							
17:49	ZZZZZZ	1																							
17:54	JE1536-1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
17:59	JE1536-2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
18:03	JE1536-3	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
18:08	MA57432-CCV5	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
18:13	MA57432-CCB6	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
18:18	JE1536-4	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
18:22	JE1536-5	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
		Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	

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Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57432
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	
18:27	JE1536-6	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
18:32	JE1536-7	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
18:37	JE1536-8	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
18:41	ZZZZZZ	1																							
18:46	ZZZZZZ	1																							
18:51	ZZZZZZ	1																							
18:56	ZZZZZZ	1																							
19:00	ZZZZZZ	1																							
19:05	MA57432-CCV6	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
19:10	MA57432-CCB7	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
19:15	ZZZZZZ	1																							
19:19	ZZZZZZ	1																							
19:24	MP51211-PS1	1		X																X				X	
19:29	ZZZZZZ	1																							
19:33	ZZZZZZ	1																							
19:38	ZZZZZZ	1																							
19:43	MP51272-B1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
19:47	MP51272-MB1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
19:52	MP51272-S1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
19:57	MP51272-S2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
20:02	MA57432-CCV7	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
20:06	MA57432-CCB8	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
20:11	JE1640-1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	(a)
20:16	MP51272-SD1	5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
20:20	MP51272-PS1	1	X	X					X				X	X											
20:25	ZZZZZZ	1																							
20:30	ZZZZZZ	1																							
20:35	ZZZZZZ	1																							
20:40	ZZZZZZ	1																							
20:45	ZZZZZZ	1																							
20:50	ZZZZZZ	1																							
20:55	ZZZZZZ	1																							
20:59	MA57432-CCV8	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
		Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	

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File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57432
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	
21:04	MA57432-CCB9	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
21:09	ZZZZZZ	1																							
21:14	ZZZZZZ	1																							
21:19	ZZZZZZ	1																							
21:24	ZZZZZZ	20																							
21:29	ZZZZZZ	1																							
21:33	ZZZZZZ	1																							
21:38	ZZZZZZ	1																							
21:43	ZZZZZZ	1																							
21:48	ZZZZZZ	1																							
21:52	ZZZZZZ	1																							
21:57	MA57432-CCV9	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
22:02	MA57432-CCB10	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
22:06	ZZZZZZ	1																							
22:11	ZZZZZZ	1																							
22:16	ZZZZZZ	10																							
22:21	ZZZZZZ	5																							
22:25	ZZZZZZ	10																							
22:30	ZZZZZZ	10																							
22:35	ZZZZZZ	5																							
22:40	ZZZZZZ	5																							
22:44	ZZZZZZ	10																							
22:49	MA57432-CCV10	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
22:54	MA57432-CCB11	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
22:58	MP51262-MB1	1	X	X	X	X	X	X		X		X	X	X		X	X		X	X	X	X	X	X	
23:03	MP51262-B1	1	X	X	X	X	X	X		X		X	X	X		X	X		X	X	X	X	X	X	
23:08	MP51262-S1	1	X			X				X		X	X			X	X		X	X		X	X	X	
23:13	MP51262-S2	1	X			X				X		X	X			X	X		X	X		X	X	X	
23:18	JE1550-1	1	X							X		X	X				X		X	X		X	X	X	(a)
23:23	MP51262-SD1	5	X			X				X		X	X			X	X		X	X		X	X	X	
23:28	ZZZZZZ	1																							
23:33	ZZZZZZ	1																							
23:37	ZZZZZZ	1																							
		Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	

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Analyst: MM Run ID: MA57432
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	
23:42	ZZZZZZ	1																							
23:47	MA57432-CCV11	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
23:51	MA57432-CCB12	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
23:56	ZZZZZZ	1																							
00:01	MP51268-B1	1	X										X	X	X		X							X	
00:06	MP51268-MB1	1											X	X	X		X							X	
00:10	MP51268-S1	1	X										X	X	X		X							X	
00:15	MP51268-S2	1	X										X	X	X		X							X	
00:19	JE1585-1	1	X										X	X	X		X							X	(a)
00:24	MP51268-SD1	5	X										X	X	X		X							X	
00:29	ZZZZZZ	1																							
00:34	ZZZZZZ	1																							
00:39	ZZZZZZ	1																							
00:44	MA57432-CCV12	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
00:48	MA57432-CCB13	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
00:53	MP51217-MB1	1		X									X	X		X					X				
00:58	MP51217-B1	1		X									X	X		X					X				
01:03	MP51217-S1	1	X						X	X		X	X			X	X							X	
01:07	MP51217-S2	1	X						X	X		X	X			X	X							X	
01:12	JE1523-1	1								X		X					X							X	(a)
01:17	MP51217-SD1	5	Not match																						
01:22	ZZZZZZ	1																							
01:26	ZZZZZZ	1																							
01:31	ZZZZZZ	1																							
01:36	MA57432-CCV13	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
01:41	MA57432-CCB14	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
01:46	ZZZZZZ	1																							
01:50	ZZZZZZ	1																							
01:55	MP51263-S1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
02:00	MP51263-S2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
02:04	JE1559-1	1			X		X				X		X								X				(a)
02:09	MP51263-SD1	5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
02:14	ZZZZZZ	1																							
		Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	

REPORTED ELEMENTS SUMMARY

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57432
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	
02:18	ZZZZZZ	1																							
02:23	ZZZZZZ	1																							
02:28	MA57432-CCV14	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
02:33	MA57432-CCB15	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
02:37	MP51171-MB2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
02:42	MP51171-B3	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
02:47	MP51171-B4	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
02:51	MP51171-S1	1	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
02:56	MP51171-S2	1	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
03:01	JE1224-15	1																							(a)
03:06	MP51171-SD1	5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
03:11	MP51300-S1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	
03:15	MP51300-S2	1	X	X	X	X	X	X		X	X			X	X		X	X			X		X	X	
03:20	JE1572-1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	(a)
03:25	MA57432-CCV15	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
03:30	MA57432-CCB16	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
03:35	MP51300-SD1	5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	
03:39	MP51300-PS1	1	X	X					X						X	X									
03:44	ZZZZZZ	1																							
03:49	MP51298-MB1	1	X		X				X			X	X	X		X					X			X	
03:54	MP51298-B1	1	X		X				X			X	X	X		X					X			X	
03:59	ZZZZZZ	1																							
04:04	ZZZZZZ	1																							
04:08	ZZZZZZ	1																							
04:13	MP51289-LB1	1																							
04:18	MP51301-MB1	1																							
04:18	MP51289-MB1	1			X	X		X		X				X						X	X				
04:23	MA57432-CCV16	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
04:28	MA57432-CCB17	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
04:32	MP51289-B1	1			X	X		X		X				X						X	X				
04:37	MP51289-LS1	1			X	X		X		X				X						X	X				
04:42	MP51289-S1	5			X	X		X		X				X						X	X				
04:46	MP51289-S2	5			X	X		X		X				X						X	X				
		Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	

REPORTED ELEMENTS SUMMARY

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57432
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	
04:51	JE1602-9	5			X	X		X		X				X					X	X					(a)
04:56	MP51289-SD1	25			X	X		X		X				X					X	X					
05:01	ZZZZZZ	5																							
05:06	ZZZZZZ	5																							
05:11	ZZZZZZ	5																							
05:16	ZZZZZZ	5																							
05:21	MA57432-CCV17	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
05:25	MA57432-CCB18	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
05:30	ZZZZZZ	5																							
05:35	MP51301-MB1	1	X		X		X		X		X	X	X			X								X	
05:40	MP51301-B1	1	X		X		X		X		X	X	X			X								X	
05:44	JE1719-1	1	X		X		X		X		X		X			X								X	(a)
05:49	MP51301-S1	1	X		X		X		X		X	X	X			X								X	
05:54	MP51301-S2	1	X		X		X		X		X	X	X			X								X	
05:58	MP51301-SD1	5	X		X		X		X		X	X	X			X								X	
06:03	ZZZZZZ	1																							
06:08	ZZZZZZ	1																							
06:13	ZZZZZZ	1																							
06:18	MA57432-CCV18	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
06:22	MA57432-CCB19	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
06:27	ZZZZZZ	1																							
06:32	ZZZZZZ	1																							
06:37	ZZZZZZ	1																							
06:42	ZZZZZZ	1																							
06:46	ZZZZZZ	1																							
06:51	ZZZZZZ	1																							
06:56	MA57432-CCV19	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
07:01	MA57432-CCB20	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
07:05	ZZZZZZ	1																							

(a) Sample used for QC only; not part of login JE1536.

Element: Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn

INTERNAL STANDARD SUMMARY

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57432
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
12:39	MA57432-STD1	5505 R	110670 R	15848 R	8859 R
12:44	MA57432-STD2	5297	106650	15516	8459
12:54	MA57432-ICV1	5458	109510	15921	8647
12:59	MA57432-ICB1	5728	114910	17063	9054
13:11	MA57432-ICCV1	No results reported for the elements associated with this internal standard.			
13:18	MA57432-ICCV2	5333	106600	15399	8530
13:23	MA57432-CCB1	5559	111040	15770	8844
13:29	MA57432-CRI1	5667	113860	16830	8957
13:34	MA57432-CRID1	No results reported for the elements associated with this internal standard.			
13:39	MA57432-ICSA1	5086	101210	15069	8100
13:44	MA57432-ICSAB1	5083	101170	14861	8080
13:49	MA57432-HSTD1	5520	110260	15456	8904
13:54	MA57432-HSTD2	5403	108610	16025	8388
13:59	ZZZZZZ	No results reported for the elements associated with this internal standard.			
14:04	ZZZZZZ	No results reported for the elements associated with this internal standard.			
14:09	ZZZZZZ	No results reported for the elements associated with this internal standard.			
14:14	ZZZZZZ	No results reported for the elements associated with this internal standard.			
14:19	MA57432-CCV1	5455	110410	15102	8693
14:24	MA57432-CCB2	5763	115980	16894	9093
14:33	MA57432-CRID2	5530	111710	16028	8896
14:38	MP51276-MB1	5573	112290	16117	8932
14:43	MP51276-B1	5383	109240	15662	8647
14:47	MP51276-S1	5438	109000	15865	8681
14:52	MP51276-S2	5666	113220	16801	8878
14:57	JE1638-4	5722	114890	17477	8980
15:02	MP51276-SD1	5587	112270	16334	8901
15:06	MP51276-PS1	5429	108500	16065	8661
15:11	ZZZZZZ	5623	111820	16377	8818
15:16	MA57432-CCV2	5365	108810	15490	8612
15:20	MA57432-CCB3	5715	115080	16621	9048
15:25	ZZZZZZ	5981	119200	18007	9029
15:30	ZZZZZZ	5577	111840	16513	8875
15:35	ZZZZZZ	5526	111060	16227	8829

INTERNAL STANDARD SUMMARY

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57432
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:40	ZZZZZZ	5501	111180	16223	8909
15:45	ZZZZZZ	5690	114980	16363	8928
15:50	ZZZZZZ	5776	116750	17514	9026
15:54	ZZZZZZ	5663	114460	17021	8899
15:59	ZZZZZZ	5552	111690	16337	8806
16:04	ZZZZZZ	5670	114420	16418	8802
16:09	ZZZZZZ	5451	109740	15749	8643
16:14	MA57432-CCV3	5543	112110	16138	8762
16:18	MA57432-CCB4	5737	116090	17128	9082
16:23	ZZZZZZ	5683	114610	16803	8877
16:28	ZZZZZZ	5599	112230	16259	8829
16:33	ZZZZZZ	5515	111410	16050	8738
16:38	ZZZZZZ	5542	111260	15852	8787
16:43	ZZZZZZ	5834	117380	17396	9035
16:47	ZZZZZZ	5673	114040	16958	8841
16:52	MP51271-B1	5433	109770	15737	8711
16:57	MP51271-MB1	16162 !a	314810 !a	38880 !a	25011 !a
17:02	MP51271-S1	5378	108160	15406	8625
17:06	MP51271-S2	5607	112210	16274	8847
17:11	MA57432-CCV4	5600	112830	16804	8821
17:15	MA57432-CCB5	5580	112100	16110	8983
17:20	JE1509-1	5445	109510	15583	8739
17:25	MP51271-SD1	5466	110960	15543	8816
17:29	MP51271-PS1	5551	112220	16061	8770
17:34	ZZZZZZ	5583	114700	17357	9310
17:39	ZZZZZZ	5587	113630	16250	8950
17:44	ZZZZZZ	5424	108500	15590	8701
17:49	ZZZZZZ	5453	109640	15537	8878
17:54	JE1536-1	5853	117560	17040	8986
17:59	JE1536-2	5815	116920	17398	9006
18:03	JE1536-3	5580	111810	16282	8775
18:08	MA57432-CCV5	5395	109040	15526	8669
18:13	MA57432-CCB6	5458	111610	15454	8864

INTERNAL STANDARD SUMMARY

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57432
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
18:18	JE1536-4	5770	114570	16375	8997
18:22	JE1536-5	5878	117740	17570	9036
18:27	JE1536-6	5697	114870	16725	8951
18:32	JE1536-7	5611	112680	16220	8788
18:37	JE1536-8	5473	110220	15808	8707
18:41	ZZZZZZ	5996	120540	17230	9007
18:46	ZZZZZZ	5932	119170	17760	9040
18:51	ZZZZZZ	5724	114600	16632	8939
18:56	ZZZZZZ	5512	111600	15871	8714
19:00	ZZZZZZ	5452	110240	15604	8697
19:05	MA57432-CCV6	5478	110990	15770	8727
19:10	MA57432-CCB7	5760	117380	16910	9134
19:15	ZZZZZZ	5713	115340	16853	8921
19:19	ZZZZZZ	5570	112910	16044	8803
19:24	MP51211-PS1	5354	108430	15551	8602
19:29	ZZZZZZ	5679	114280	16365	8921
19:33	ZZZZZZ	5804	116560	17292	9049
19:38	ZZZZZZ	5724	115870	16953	8915
19:43	MP51272-B1	5452	110720	15759	8779
19:47	MP51272-MB1	5522	112460	15770	8939
19:52	MP51272-S1	5707	115110	16682	8865
19:57	MP51272-S2	5830	117880	17590	8985
20:02	MA57432-CCV7	5470	110580	16013	8760
20:06	MA57432-CCB8	5497	112020	15627	8903
20:11	JE1640-1	5613	112840	16002	8801
20:16	MP51272-SD1	5747	115860	16687	9047
20:20	MP51272-PS1	5749	116390	17440	8880
20:25	ZZZZZZ	6135	123470	18012	8842
20:30	ZZZZZZ	5281	108270	15184	8537
20:35	ZZZZZZ	5691	114320	16131	8913
20:40	ZZZZZZ	5879	117910	17401	9140
20:45	ZZZZZZ	5832	117490	17511	9042
20:50	ZZZZZZ	5680	115180	16535	8929

INTERNAL STANDARD SUMMARY

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57432
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
20:55	ZZZZZZ	5642	113210	16053	8896
20:59	MA57432-CCV8	5586	113130	16242	8846
21:04	MA57432-CCB9	5698	116380	16962	9081
21:09	ZZZZZZ	5720	115270	16692	8964
21:14	ZZZZZZ	5646	113600	16165	8918
21:19	ZZZZZZ	5278	110970	16154	10311
21:24	ZZZZZZ	5753	118630	17220	9232
21:29	ZZZZZZ	5647	114500	16587	8850
21:33	ZZZZZZ	5528	111040	15908	8735
21:38	ZZZZZZ	5559	112250	15650	8804
21:43	ZZZZZZ	5857	118430	17106	9039
21:48	ZZZZZZ	5874	118920	17490	9069
21:52	ZZZZZZ	5558	999999 !a	16079	8809
21:57	MA57432-CCV9	5368	109430	15360	8667
22:02	MA57432-CCB10	5559	113330	15629	8937
22:06	ZZZZZZ	5874	120820	17297	9030
22:11	ZZZZZZ	5562	114340	16654	8827
22:16	ZZZZZZ	5523	111820	15808	8933
22:21	ZZZZZZ	5514	110770	15539	8911
22:25	ZZZZZZ	5717	115360	16506	9066
22:30	ZZZZZZ	5755	116790	17186	9120
22:35	ZZZZZZ	5602	113590	16189	9012
22:40	ZZZZZZ	5490	111040	15726	8881
22:44	ZZZZZZ	5618	113860	15960	8963
22:49	MA57432-CCV10	5656	114900	16728	8927
22:54	MA57432-CCB11	5636	114850	16605	9056
22:58	MP51262-MB1	5422	110090	15421	8842
23:03	MP51262-B1	5271	107970	15014	8568
23:08	MP51262-S1	5028	104340	15534	7762
23:13	MP51262-S2	5002	103790	15965	7739
23:18	JE1550-1	4888	100760	14966	7638
23:23	MP51262-SD1	5247	106760	15037	8396
23:28	ZZZZZZ	5509	112710	16111	8726

INTERNAL STANDARD SUMMARY

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57432
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
23:33	ZZZZZZ	5648	113700	16833	8950
23:37	ZZZZZZ	5312	109170	15739	8499
23:42	ZZZZZZ	5392	109990	15292	8788
23:47	MA57432-CCV11	5466	112050	15679	8693
23:51	MA57432-CCB12	5751	116670	16863	9109
23:56	ZZZZZZ	5417	110260	16095	8658
00:01	MP51268-B1	5301	107950	15263	8610
00:06	MP51268-MB1	5495	110820	15367	8864
00:10	MP51268-S1	5504	112740	16676	8660
00:15	MP51268-S2	5448	111960	16899	8626
00:19	JE1585-1	5347	109610	15757	8600
00:24	MP51268-SD1	5368	109200	15250	8711
00:29	ZZZZZZ	4817	99895	15490	7304
00:34	ZZZZZZ	4885	101980	16288	7381
00:39	ZZZZZZ	5381	110480	15993	8645
00:44	MA57432-CCV12	5356	109020	15330	8636
00:48	MA57432-CCB13	5552	112410	15590	8892
00:53	MP51217-MB1	5747	116450	16843	9093
00:58	MP51217-B1	5546	112980	16702	8855
01:03	MP51217-S1	4876	100440	14955	7614
01:07	MP51217-S2	4899	100260	14656	7632
01:12	JE1523-1	5092	105240	15896	7798
01:17	MP51217-SD1	No results reported for the elements associated with this internal standard.			
01:22	ZZZZZZ	5459	111010	15966	8824
01:26	ZZZZZZ	5357	109270	15171	8741
01:31	ZZZZZZ	5130	105870	15337	7984
01:36	MA57432-CCV13	5650	114630	16839	8877
01:41	MA57432-CCB14	5622	114890	16475	9025
01:46	ZZZZZZ	No results reported for the elements associated with this internal standard.			
01:50	ZZZZZZ	No results reported for the elements associated with this internal standard.			
01:55	MP51263-S1	5648	115350	16559	8884
02:00	MP51263-S2	5719	116440	17202	8973
02:04	JE1559-1	5569	114170	16326	8918

INTERNAL STANDARD SUMMARY

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57432
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
02:09	MP51263-SD1	5462	111270	15553	8851
02:14	ZZZZZZ	5637	114570	15950	8999
02:18	ZZZZZZ	5806	118150	17193	9135
02:23	ZZZZZZ	5483	112350	16666	8563
02:28	MA57432-CCV14	5381	109310	15430	8665
02:33	MA57432-CCB15	5455	111330	15358	8862
02:37	MP51171-MB2	5686	117030	16383	9026
02:42	MP51171-B3	5701	116400	17074	8997
02:47	MP51171-B4	5521	112720	16104	8855
02:51	MP51171-S1	5245	108400	15373	8374
02:56	MP51171-S2	5347	109310	15478	8424
03:01	JE1224-15	5551	114480	16646	8662
03:06	MP51171-SD1	5571	114600	16523	8881
03:11	MP51300-S1	5401	109970	15716	8595
03:15	MP51300-S2	5492	111050	15786	8568
03:20	JE1572-1	5738	116230	16791	8886
03:25	MA57432-CCV15	5615	114200	16730	8866
03:30	MA57432-CCB16	5532	112710	15840	8926
03:35	MP51300-SD1	5425	110610	15385	8740
03:39	MP51300-PS1	5543	113090	15826	8676
03:44	ZZZZZZ	5811	117570	17192	8949
03:49	MP51298-MB1	5525	112100	16276	8894
03:54	MP51298-B1	5291	107530	15185	8564
03:59	ZZZZZZ	5403	109570	15301	8654
04:04	ZZZZZZ	5660	115140	16657	8938
04:08	ZZZZZZ	5589	114440	16869	8820
04:13	MP51289-LB1	5236	106970	15742	8117
04:18	MP51301-MB1	No results reported for the elements associated with this internal standard.			
04:18	MP51289-MB1	5461	111480	15339	8851
04:23	MA57432-CCV16	5496	112090	15842	8705
04:28	MA57432-CCB17	5749	116140	16866	9084
04:32	MP51289-B1	5518	112110	16211	8824
04:37	MP51289-LS1	5191	106190	15411	8052

INTERNAL STANDARD SUMMARY

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57432
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
04:42	MP51289-S1	5383	109430	15246	8519
04:46	MP51289-S2	5603	114300	16564	8692
04:51	JE1602-9	5534	113620	16531	8691
04:56	MP51289-SD1	5444	110680	15499	8740
05:01	ZZZZZZ	5322	108880	15053	8493
05:06	ZZZZZZ	5515	112820	16107	8605
05:11	ZZZZZZ	5607	114380	16754	8737
05:16	ZZZZZZ	5393	109980	15710	8538
05:21	MA57432-CCV17	5316	108450	15060	8564
05:25	MA57432-CCB18	5578	113300	15743	8892
05:30	ZZZZZZ	5616	114200	16585	8724
05:35	MP51301-MB1	5472	110320	15916	8834
05:40	MP51301-B1	5249	106480	14963	8516
05:44	JE1719-1	5323	107720	14871	8569
05:49	MP51301-S1	5457	111250	16111	8619
05:54	MP51301-S2	5441	110520	16386	8610
05:58	MP51301-SD1	5426	110700	15491	8757
06:03	ZZZZZZ	5049	104280	14640	8115
06:08	ZZZZZZ	5350	110170	15714	8444
06:13	ZZZZZZ	5712	116360	17289	9006
06:18	MA57432-CCV18	5484	111160	16120	8738
06:22	MA57432-CCB19	5477	112380	15499	8861
06:27	ZZZZZZ	5537	113140	15941	8761
06:32	ZZZZZZ	5660	115950	17071	8872
06:37	ZZZZZZ	5496	112550	16595	8752
06:42	ZZZZZZ	5356	109620	15497	8623
06:46	ZZZZZZ	5410	109690	15295	8644
06:51	ZZZZZZ	5543	112940	16319	8754
06:56	MA57432-CCV19	5594	114260	16789	8842
07:01	MA57432-CCB20	5546	112080	15877	8936
07:05	ZZZZZZ	No results reported for the elements associated with this internal standard.			

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %

INTERNAL STANDARD SUMMARY

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57432
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4

Istd#4	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %
Istd#4	Indium	70-130 %

(a) No samples reported for the elements associated with this internal standard.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57432 Units: ug/l

Time:			12:59		13:23		14:24		15:20	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	17	5.20	<200	19.0	<200	-2.60	<200	26.9	<200
Antimony	6.0	1.7	1.40	<6.0	1.10	<6.0	0.800	<6.0	1.00	<6.0
Arsenic	3.0	2.1	2.40	<3.0	-0.400	<3.0	2.10	<3.0	1.30	<3.0
Barium	200	.8	-0.400	<200	0.500	<200	-0.100	<200	-0.200	<200
Beryllium	1.0	.3	0.100	<1.0	0.00	<1.0	0.100	<1.0	0.100	<1.0
Bismuth	20	2.3								
Boron	100	2.3	anr							
Cadmium	3.0	.3	-0.200	<3.0	-0.100	<3.0	0.00	<3.0	-0.100	<3.0
Calcium	5000	6.6	0.400	<5000	-2.30	<5000	-2.50	<5000	-2.10	<5000
Cerium	100									
Chromium	10	.3	0.600	<10	-0.300	<10	0.00	<10	0.100	<10
Cobalt	50	.4	0.600	<50	0.100	<50	0.100	<50	0.200	<50
Copper	10	.8	0.800	<10	-0.400	<10	0.900	<10	0.300	<10
Iron	100	5.3	3.60	<100	1.30	<100	1.90	<100	2.30	<100
Lead	3.0	1.1	1.00	<3.0	1.00	<3.0	0.00	<3.0	0.500	<3.0
Lithium	50	4.8	anr							
Magnesium	5000	32	-0.900	<5000	21.8	<5000	20.1	<5000	8.80	<5000
Manganese	15	.1	0.100	<15	0.00	<15	0.300	<15	0.00	<15
Molybdenum	20	.6								
Nickel	10	.4	0.100	<10	-0.100	<10	0.300	<10	-0.300	<10
Phosphorus	50	1.2								
Potassium	10000	77	73.0	<10000	-12.2	<10000	60.0	<10000	-17.2	<10000
Selenium	10	3.2	2.90	<10	4.60	<10	2.20	<10	3.70	<10
Silicon	200	1.7								
Silver	10	1	-0.100	<10	-0.200	<10	-0.300	<10	-0.500	<10
Sodium	10000	34	64.7	<10000	73.3	<10000	64.0	<10000	72.4	<10000
Strontium	10	.3								
Sulfur	50	3	anr							
Thallium	10	1.8	-1.20	<10	-0.400	<10	-1.30	<10	-2.10	<10
Tin	10	.8	anr							
Titanium	10	.5								
Tungsten	50	2.6								
Vanadium	50	.6	0.400	<50	-0.700	<50	0.200	<50	0.600	<50

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57432 Units: ug/l

Time:			12:59		13:23		14:24		15:20	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.1	-0.100	<20	-0.200	<20	-0.200	<20	-0.100	<20
Zirconium	10	.3								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57432 Units: ug/l

Time:			16:18		17:15		18:13		19:10	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	17	1.10	<200	16.3	<200	14.9	<200	-1.70	<200
Antimony	6.0	1.7	1.10	<6.0	0.700	<6.0	0.800	<6.0	-0.600	<6.0
Arsenic	3.0	2.1	0.800	<3.0	0.900	<3.0	2.30	<3.0	2.00	<3.0
Barium	200	.8	-0.300	<200	-0.200	<200	0.900	<200	-0.100	<200
Beryllium	1.0	.3	0.100	<1.0	0.00	<1.0	0.100	<1.0	0.100	<1.0
Bismuth	20	2.3								
Boron	100	2.3	anr							
Cadmium	3.0	.3	0.100	<3.0	0.00	<3.0	0.100	<3.0	-0.200	<3.0
Calcium	5000	6.6	0.800	<5000	-0.900	<5000	-0.400	<5000	-0.900	<5000
Cerium	100									
Chromium	10	.3	-0.100	<10	0.100	<10	0.100	<10	-0.200	<10
Cobalt	50	.4	-0.300	<50	0.100	<50	0.200	<50	0.400	<50
Copper	10	.8	1.00	<10	0.200	<10	-0.900	<10	0.900	<10
Iron	100	5.3	2.60	<100	0.800	<100	4.40	<100	5.70	<100
Lead	3.0	1.1	0.500	<3.0	0.100	<3.0	0.500	<3.0	0.00	<3.0
Lithium	50	4.8	anr							
Magnesium	5000	32	17.8	<5000	18.8	<5000	0.100	<5000	21.8	<5000
Manganese	15	.1	0.00	<15	0.00	<15	0.00	<15	0.00	<15
Molybdenum	20	.6								
Nickel	10	.4	-0.100	<10	0.200	<10	-0.100	<10	0.200	<10
Phosphorus	50	1.2								
Potassium	10000	77	77.7	<10000	62.7	<10000	-33.5	<10000	60.4	<10000
Selenium	10	3.2	2.90	<10	2.10	<10	4.10	<10	2.70	<10
Silicon	200	1.7								
Silver	10	1	-0.300	<10	-0.200	<10	-0.500	<10	-0.600	<10
Sodium	10000	34	37.3	<10000	54.2	<10000	61.2	<10000	39.5	<10000
Strontium	10	.3								
Sulfur	50	3	anr							
Thallium	10	1.8	0.100	<10	-1.50	<10	-0.600	<10	-0.400	<10
Tin	10	.8	anr							
Titanium	10	.5								
Tungsten	50	2.6								
Vanadium	50	.6	0.300	<50	0.400	<50	0.200	<50	0.400	<50

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57432 Units: ug/l

Time:			16:18		17:15		18:13		19:10	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.1	0.00	<20	-0.100	<20	0.00	<20	-0.100	<20
Zirconium	10	.3								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: to % Recovery Run ID: MA57432 Units: ug/l

Time:		13:18	
Sample ID:	ICCV	ICCV2	
Metal	True	Results	% Rec
Aluminum	40000	39900	99.8
Antimony	2000	2030	101.5
Arsenic	2000	2030	101.5
Barium	2000	2010	100.5
Beryllium	2000	2050	102.5
Bismuth			
Boron	anr		
Cadmium	2000	2010	100.5
Calcium	40000	40200	100.5
Cerium			
Chromium	2000	2010	100.5
Cobalt	2000	1990	99.5
Copper	2000	1960	98.0
Iron	40000	40200	100.5
Lead	2000	2010	100.5
Lithium	anr		
Magnesium	40000	40400	101.0
Manganese	2000	2020	101.0
Molybdenum			
Nickel	2000	2000	100.0
Phosphorus			
Potassium	40000	40000	100.0
Selenium	2000	1990	99.5
Silicon			
Silver	250	253	101.2
Sodium	40000	40500	101.3
Strontium			
Sulfur	anr		
Thallium	2000	2010	100.5
Tin	anr		
Titanium			
Tungsten			
Vanadium	2000	2010	100.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: to % Recovery Run ID: MA57432 Units: ug/l

Time:		13:18	
Sample ID:	ICCV	ICCV2	
Metal	True	Results	% Rec
Zinc	2000	2010	100.5
Zirconium			

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57432 Units: ug/l

Time:		12:54			14:19			15:16	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	38300	95.8	40000	39000	97.5	40000	38800	97.0
Antimony	2000	2080	104.0	2000	1990	99.5	2000	2000	100.0
Arsenic	2000	2080	104.0	2000	2000	100.0	2000	2030	101.5
Barium	2000	1920	96.0	2000	1890	94.5	2000	1910	95.5
Beryllium	2000	2000	100.0	2000	1960	98.0	2000	1940	97.0
Bismuth									
Boron	anr								
Cadmium	2000	1970	98.5	2000	1940	97.0	2000	1940	97.0
Calcium	40000	39100	97.8	40000	39300	98.3	40000	38900	97.3
Cerium									
Chromium	2000	1960	98.0	2000	1910	95.5	2000	1900	95.0
Cobalt	2000	1960	98.0	2000	1930	96.5	2000	1920	96.0
Copper	2000	1900	95.0	2000	1860	93.0	2000	1850	92.5
Iron	40000	39500	98.8	40000	39300	98.3	40000	38900	97.3
Lead	2000	2010	100.5	2000	1950	97.5	2000	1910	95.5
Lithium	anr								
Magnesium	40000	39300	98.3	40000	39600	99.0	40000	39000	97.5
Manganese	2000	1950	97.5	2000	1910	95.5	2000	1910	95.5
Molybdenum									
Nickel	2000	1990	99.5	2000	1940	97.0	2000	1920	96.0
Phosphorus									
Potassium	40000	38800	97.0	40000	39100	97.8	40000	38600	96.5
Selenium	2000	2010	100.5	2000	1860	93.0	2000	1890	94.5
Silicon									
Silver	250	258	103.2	250	245	98.0	250	245	98.0
Sodium	40000	40200	100.5	40000	39700	99.3	40000	38900	97.3
Strontium									
Sulfur	anr								
Thallium	2000	2020	101.0	2000	1970	98.5	2000	1930	96.5
Tin	anr								
Titanium									
Tungsten									
Vanadium	2000	1930	96.5	2000	1890	94.5	2000	1900	95.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57432 Units: ug/l

Time:		12:54			14:19			15:16	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	2000	2020	101.0	2000	1920	96.0	2000	1910	95.5
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57432 Units: ug/l

Time:		16:14			17:11			18:08	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	38300	95.8	40000	38500	96.3	40000	38900	97.3
Antimony	2000	2050	102.5	2000	2050	102.5	2000	1990	99.5
Arsenic	2000	2090	104.5	2000	2100	105.0	2000	2020	101.0
Barium	2000	1900	95.0	2000	1920	96.0	2000	1920	96.0
Beryllium	2000	1950	97.5	2000	1960	98.0	2000	1940	97.0
Bismuth									
Boron	anr								
Cadmium	2000	1980	99.0	2000	1980	99.0	2000	1930	96.5
Calcium	40000	39200	98.0	40000	39900	99.8	40000	39300	98.3
Cerium									
Chromium	2000	1940	97.0	2000	1980	99.0	2000	1900	95.0
Cobalt	2000	1980	99.0	2000	1990	99.5	2000	1910	95.5
Copper	2000	1880	94.0	2000	1910	95.5	2000	1860	93.0
Iron	40000	39400	98.5	40000	40000	100.0	40000	39000	97.5
Lead	2000	2000	100.0	2000	2010	100.5	2000	1900	95.0
Lithium	anr								
Magnesium	40000	39400	98.5	40000	39800	99.5	40000	39100	97.8
Manganese	2000	1940	97.0	2000	1970	98.5	2000	1920	96.0
Molybdenum									
Nickel	2000	2000	100.0	2000	2020	101.0	2000	1920	96.0
Phosphorus									
Potassium	40000	39000	97.5	40000	39500	98.8	40000	38600	96.5
Selenium	2000	1960	98.0	2000	1980	99.0	2000	1880	94.0
Silicon									
Silver	250	251	100.4	250	255	102.0	250	245	98.0
Sodium	40000	39300	98.3	40000	39600	99.0	40000	38700	96.8
Strontium									
Sulfur	anr								
Thallium	2000	2020	101.0	2000	2030	101.5	2000	1930	96.5
Tin	anr								
Titanium									
Tungsten									
Vanadium	2000	1890	94.5	2000	1920	96.0	2000	1910	95.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57432 Units: ug/l

Time:		16:14			17:11			18:08	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	2000	1960	98.0	2000	1970	98.5	2000	1900	95.0
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57432 Units: ug/l

Time:		19:05	
Sample ID:	CCV	CCV6	
Metal	True	Results	% Rec
Aluminum	40000	38500	96.3
Antimony	2000	2040	102.0
Arsenic	2000	2080	104.0
Barium	2000	1910	95.5
Beryllium	2000	1940	97.0
Bismuth			
Boron	anr		
Cadmium	2000	1970	98.5
Calcium	40000	39200	98.0
Cerium			
Chromium	2000	1930	96.5
Cobalt	2000	1960	98.0
Copper	2000	1870	93.5
Iron	40000	39200	98.0
Lead	2000	1970	98.5
Lithium	anr		
Magnesium	40000	39200	98.0
Manganese	2000	1930	96.5
Molybdenum			
Nickel	2000	1980	99.0
Phosphorus			
Potassium	40000	38500	96.3
Selenium	2000	1940	97.0
Silicon			
Silver	250	249	99.6
Sodium	40000	38800	97.0
Strontium			
Sulfur	anr		
Thallium	2000	1990	99.5
Tin	anr		
Titanium			
Tungsten			
Vanadium	2000	1890	94.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57432 Units: ug/l

Time:		19:05	
Sample ID:	CCV	CCV6	
Metal	True	Results	% Rec
Zinc	2000	1950	97.5
Zirconium			

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 90 to 110 % Recovery Run ID: MA57432 Units: ug/l

Time:		13:49			13:54	
Sample ID:	HSTD	HSTD1		HSTD	HSTD2	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum				300000	289000	96.3
Antimony	8000	8100	101.3			
Arsenic	8000	7910	98.9			
Barium	8000	7650	95.6			
Beryllium	8000	7910	98.9			
Bismuth						
Boron	anr					
Cadmium	8000	7520	94.0			
Calcium				200000	194000	97.0
Cerium						
Chromium	8000	8010	100.1			
Cobalt	8000	8000	100.0			
Copper	8000	7770	97.1			
Iron				200000	191000	95.5
Lead	8000	8150	101.9			
Lithium	anr					
Magnesium				300000	291000	97.0
Manganese	8000	7790	97.4			
Molybdenum						
Nickel	8000	8080	101.0			
Phosphorus						
Potassium				200000	200000	100.0
Selenium	8000	7640	95.5			
Silicon						
Silver	625	661	105.8			
Sodium				200000	202000	101.0
Strontium						
Sulfur	anr					
Thallium	8000	8000	100.0			
Tin	anr					
Titanium						
Tungsten						
Vanadium	8000	7740	96.8			

HIGH STANDARD CHECK SUMMARY

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 90 to 110 % Recovery Run ID: MA57432 Units: ug/l

Time:		13:49			13:54	
Sample ID:	HSTD	HSTD1		HSTD	HSTD2	
Metal	True	Results	% Rec	True	Results	% Rec
Zinc	8000	8000	100.0			
Zirconium						

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA57432 Units: ug/l

Time:				13:29		14:33	
Sample ID:	CRI	CRIA	CRID	CRI1		CRID2	
Metal	True	True	True	Results	% Rec	Results	% Rec
Aluminum	200	500	100	191	95.5	108	108.0
Antimony	6.0	20	3.0	6.20	103.3		
Arsenic	8.0	20	3.0	9.50	118.8	2.60	86.7
Barium	200		4.0	187	93.5	3.90	97.5
Beryllium	2.0		1.0	2.00	100.0	0.900	90.0
Bismuth	20						
Boron	100		10	anr			
Cadmium	3.0		1.0	2.90	96.7	0.900	90.0
Calcium	5000	2000	1000	5080	101.6	1020	102.0
Cerium							
Chromium	10		2.0	10.0	100.0	1.80	90.0
Cobalt	50		3.0	51.1	102.2	3.10	103.3
Copper	10		2.0	10.5	105.0		
Iron	100	500		101	101.0		
Lead	3.0	20	2.5	3.40	113.3		
Lithium	50			anr			
Magnesium	5000	2000	100	5240	104.8	110	110.0
Manganese	15		3.0	15.1	100.7	2.90	96.7
Molybdenum	20						
Nickel	10		4.0	10.4	104.0	3.90	97.5
Phosphorus	50						
Potassium	5000		2000	5030	100.6	2080	104.0
Selenium	10	20	5.0	10.3	103.0		
Silicon	200						
Silver	5.0		2.0	4.20	84.0		
Sodium	5000		1000	5090	101.8	1030	103.0
Strontium	10						
Sulfur	50			anr			
Thallium	10		2.0	8.70	87.0		
Tin	10			anr			
Titanium	10						
Tungsten	50						
Vanadium	50		2.0	47.9	95.8	1.90	95.0

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA57432 Units: ug/l

Time:				13:29		14:33	
Sample ID:	CRI	CRIA	CRID	CRI1		CRID2	
Metal	True	True	True	Results	% Rec	Results	% Rec
Zinc	20		10	21.3	106.5	9.60	96.0
Zirconium	10						

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 80 to 120 % Recovery Run ID: MA57432 Units: ug/l

Time:			13:39		13:44	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	500000	500000	489000	97.8	485000	97.0
Antimony		1000	-3.20		1060	106.0
Arsenic		1000	-0.800		975	97.5
Barium		500	7.20		473	94.6
Beryllium		500	0.00		482	96.4
Bismuth		500	-10.6		527	105.4
Boron		500	-2.30		479	95.8
Cadmium		1000	2.60		993	99.3
Calcium	400000	400000	374000	93.5	373000	93.3
Cerium			1.60		-0.600	
Chromium		500	-0.700		447	89.4
Cobalt		500	0.200		473	94.6
Copper		500	5.20		498	99.6
Iron	200000	200000	188000	94.0	189000	94.5
Lead		1000	-0.400		906	90.6
Lithium		500	7.80		546	109.2
Magnesium	500000	500000	483000	96.6	482000	96.4
Manganese		500	-5.20		470	94.0
Molybdenum		500	2.70		493	98.6
Nickel		1000	-2.60		931	93.1
Phosphorus		500	-12.9		454	90.8
Potassium			66.6		-7.50	
Selenium		1000	6.70		955	95.5
Silicon		500	-23.4		516	103.2
Silver		1000	-0.400		1040	104.0
Sodium			125		146	
Strontium		500	1.20		469	93.8
Sulfur		500	-6.40		491	98.2
Thallium		1000	0.300		960	96.0
Tin		500	-2.80		492	98.4
Titanium		500	-2.00		553	110.6
Tungsten		500	2.50		474	94.8
Vanadium		500	-0.900		469	93.8

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120324M2.ICP Date Analyzed: 12/03/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 80 to 120 % Recovery Run ID: MA57432 Units: ug/l

Time:			13:39		13:44	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1	
Metal	True	True	Results	% Rec	Results	% Rec
Zinc		1000	1.50		892	89.2
Zirconium		500	-1.90		478	95.6

(*) Outside of QC limits
(anr) Analyte not requested

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120524M1.ICP Date Analyzed: 12/05/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57443
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:50	MA57443-STD1	1		STDA
09:55	MA57443-STD2	1		STDB
10:00	MA57443-ICV1	1		
10:06	MA57443-ICB1	1		
10:16	MA57443-ICCV1	1		
10:21	MA57443-CCB1	1		
10:30	MA57443-CRI1	1		
10:35	MA57443-CRID1	1		
10:40	MA57443-ICSA1	1		
10:45	MA57443-ICSAB1	1		
10:50	MA57443-HSTD1	1		
10:55	MA57443-HSTD2	1		
11:06	ZZZZZZ	1		
11:11	ZZZZZZ	1		
11:16	ZZZZZZ	1		
11:21	ZZZZZZ	1		
11:26	MA57443-CCV1	1		
11:30	MA57443-CCB2	1		
11:35	MA57443-CRI2	1		
11:40	MP51265-MB1	1		
11:45	MP51186-B1	1		
11:45	MP51186-B1	1		
11:50	ZZZZZZ	10		
11:50	MP51298-S1	10		
11:54	ZZZZZZ	10		
11:54	MP51298-S2	10		
11:59	ZZZZZZ	10		
11:59	JE1327-1	10		(sample used for QC only; not part of login JE1536)
12:04	ZZZZZZ	50		
12:04	MP51298-SD1	50		
12:08	ZZZZZZ	10		
12:13	ZZZZZZ	10		
12:18	ZZZZZZ	20		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120524M1.ICP Date Analyzed: 12/05/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57443
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:23	MA57443-CCV2	1		
12:27	MA57443-CCB3	1		
12:32	ZZZZZZ	10		
12:32	MP51186-S1	10		
12:37	ZZZZZZ	10		
12:37	MP51186-S2	10		
12:41	ZZZZZZ	10		
12:41	JE1340-5F	10		(sample used for QC only; not part of login JE1536)
12:46	ZZZZZZ	50		
12:46	MP51186-SD1	50		
12:51	ZZZZZZ	10		
12:56	ZZZZZZ	10		
13:00	ZZZZZZ	10		
13:05	ZZZZZZ	10		
13:10	ZZZZZZ	10		
13:15	ZZZZZZ	10		
13:19	MA57443-CCV3	1		
13:24	MA57443-CCB4	1		
13:29	ZZZZZZ	10		
13:34	ZZZZZZ	5		
13:38	MP51343-B1	1		
13:43	MP51343-LS1	1		
13:47	MP51343-S1	1		
13:52	MP51343-S2	1		
13:56	JE1393-6	1		(sample used for QC only; not part of login JE1536)
14:01	MP51343-SD1	1		
14:06	ZZZZZZ	1		
14:11	MP51346-B1	1		
14:19	MP51346-B1	1		
14:24	MA57443-CCV4	1		
14:28	MA57443-CCB5	1		
14:33	MP51346-MB1	1		
14:38	MP51346-S1	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120524M1.ICP Date Analyzed: 12/05/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57443
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:43	MP51346-S2	1		
14:48	JE1875-5	1		(sample used for QC only; not part of login JE1536)
14:53	MP51346-SD1	5		
14:57	ZZZZZZ	1		
15:02	MP51346-S1	2		
15:07	MP51346-S2	2		
15:12	JE1875-5	2		(sample used for QC only; not part of login JE1536)
15:17	MP51346-SD1	10		
15:21	MA57443-CCV5	1		
15:26	MA57443-CCB6	1		
15:31	ZZZZZZ	2		
15:35	MP51356-MB1	1		
15:40	MP51356-B1	1		
15:45	ZZZZZZ	1		
15:50	ZZZZZZ	1		
15:54	ZZZZZZ	1		
15:59	MP51343-LB1	1		
16:04	MP51343-MB1	1		
16:09	MP51271-MB1	1		
---------->	Last reportable sample/prep for job JE1536			
16:18	MA57443-CCV6	1		
16:23	MA57443-CCB7	1		
16:28	MA57443-CRI3	1		
16:33	MA57443-CRID2	1		
16:37	MA57443-ICSA2	1		
16:42	MA57443-ICSAB2	1		
17:07	MA57443-CCV7	1		
17:12	MA57443-CCB8	1		
---------->	Last reportable CCB for job JE1536			
17:17	ZZZZZZ	5		
17:21	MP51347-B1	1		
17:26	MP51347-S1	1		
17:31	MP51347-S2	1		
17:35	JE1772-1	1		(sample used for QC only; not part of login JE1536)
17:40	MP51347-SD1	5		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120524M1.ICP Date Analyzed: 12/05/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57443
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:45	MP51347-PS1	1		
17:49	ZZZZZZ	1		
17:55	ZZZZZZ	1		
17:59	ZZZZZZ	1		
18:04	MA57443-CCV8	1		
18:08	MA57443-CCB9	1		
18:13	ZZZZZZ	1		
18:18	ZZZZZZ	1		
18:23	ZZZZZZ	1		
18:28	ZZZZZZ	1		
18:32	ZZZZZZ	1		
18:37	ZZZZZZ	1		
18:42	ZZZZZZ	1		
18:47	ZZZZZZ	1		
18:52	ZZZZZZ	1		
18:57	ZZZZZZ	1		
19:03	MA57443-CCV9	1		
19:07	MA57443-CCB10	1		
19:12	ZZZZZZ	1		
19:17	ZZZZZZ	1		
19:22	ZZZZZZ	1		
19:27	ZZZZZZ	1		
19:32	ZZZZZZ	1		
19:37	ZZZZZZ	1		
19:41	ZZZZZZ	1		
19:46	MA57443-CCV10	1		
19:51	MA57443-CCB11	1		
19:56	MP51367-MB1	1		
20:01	MP51367-B1	1		
20:05	MP51367-LC1	1		
20:10	MP51367-LC2	1		
20:15	MP51367-S1	1		
20:19	MP51367-S2	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120524M1.ICP Date Analyzed: 12/05/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57443
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:24	JE1817-1	1		(sample used for QC only; not part of login JE1536)
20:29	MP51367-SD1	5		
20:33	MP51367-PS1	1		
20:38	ZZZZZZ	1		
20:43	MA57443-CCV11	1		
20:47	MA57443-CCB12	1		
20:52	ZZZZZZ	1		
20:57	ZZZZZZ	1		
21:02	ZZZZZZ	1		
21:07	ZZZZZZ	1		
21:11	ZZZZZZ	1		
21:16	ZZZZZZ	1		
21:21	ZZZZZZ	1		
21:26	ZZZZZZ	1		
21:31	ZZZZZZ	1		
21:36	MA57443-CCV12	1		Ba,V out
21:40	MA57443-CCB13	1		
21:45	MP51367-LC1	5		
21:50	MP51367-LC2	5		
21:54	ZZZZZZ	1		
21:59	ZZZZZZ	1		
22:04	MP51337-S1	1		CCV out
22:08	MP51337-S2	1		CCV out
22:13	JE1788-1	1		(sample used for QC only; not part of login JE1536)
22:18	MP51337-SD1	5		CCV out
22:23	ZZZZZZ	1		
22:28	ZZZZZZ	1		
22:33	MA57443-CCV13	1		Ba,V out
22:37	MA57443-CCB14	1		
22:42	ZZZZZZ	1		
22:47	ZZZZZZ	5		
22:52	ZZZZZZ	20		
22:56	ZZZZZZ	5		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120524M1.ICP Date Analyzed: 12/05/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57443
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
23:01	ZZZZZZ	10		
23:06	ZZZZZZ	5		
23:11	ZZZZZZ	20		
23:15	ZZZZZZ	5		
23:15	MP51300-S2	5		
23:20	ZZZZZZ	2		
23:20	ZZZZZZ	2		
23:25	MA57443-CCV14	1		Ba,V out
23:29	MA57443-CCB15	1		
23:34	MP51359-MB1	1		
23:39	MP51359-B1	1		
23:44	MP51359-S1	1		
23:48	MP51359-S2	1		
23:53	JE1744-1	1		(sample used for QC only; not part of login JE1536)
23:57	MP51359-SD1	5		
00:02	ZZZZZZ	1		
00:07	ZZZZZZ	1		
00:12	ZZZZZZ	1		
00:17	ZZZZZZ	1		
00:21	MA57443-CCV15	1		
00:26	MA57443-CCB16	1		
00:31	ZZZZZZ	1		
00:35	ZZZZZZ	1		
00:40	ZZZZZZ	1		
00:45	ZZZZZZ	1		
00:50	ZZZZZZ	1		
00:55	ZZZZZZ	1		
00:59	MP51345-MB1	1		Reanalyze batch for Ba due to failing CCV
01:04	MP51345-LB1	1		
01:09	MP51345-B1	1		
01:14	MP51345-LS1	1		
01:18	MA57443-CCV16	1		Ba out
01:23	MA57443-CCB17	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120524M1.ICP Date Analyzed: 12/05/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57443
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
01:28	MP51345-S1	5		
01:32	MP51345-S2	5		
01:37	JE1461-1	5		(sample used for QC only; not part of login JE1536)
01:42	MP51345-SD1	25		
01:46	MP51342-B1	1		Reanalyze batch for Ba due to failing CCV
01:51	MP51342-MB1	1		
01:56	MP51342-LB1	1		
02:01	MP51342-LS1	1		
02:05	MP51342-S1	5		
02:10	MP51342-S2	5		
02:15	MA57443-CCV17	1		Ba out
02:19	MA57443-CCB18	1		
02:24	JE1563-5	5		(sample used for QC only; not part of login JE1536)
02:29	MP51342-SD1	25		
02:34	ZZZZZZ	5		
02:39	ZZZZZZ	5		
02:44	ZZZZZZ	5		
02:49	ZZZZZZ	5		
02:54	ZZZZZZ	5		
02:58	ZZZZZZ	5		
03:03	ZZZZZZ	5		
03:08	ZZZZZZ	5		
03:13	MA57443-CCV18	1		Ba out
03:18	MA57443-CCB19	1		
03:23	ZZZZZZ	5		
03:27	ZZZZZZ	1		
03:32	ZZZZZZ	1		
03:37	ZZZZZZ	1		
03:42	ZZZZZZ	1		
03:47	ZZZZZZ	1		
03:52	ZZZZZZ	1		
03:57	ZZZZZZ	1		
04:02	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120524M1.ICP Date Analyzed: 12/05/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57443
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
04:07	ZZZZZZ	1		
04:11	MA57443-CCV19	1		
04:16	MA57443-CCB20	1		
04:21	ZZZZZZ	1		
04:26	ZZZZZZ	1		
04:30	ZZZZZZ	1		
04:35	ZZZZZZ	1		
04:40	ZZZZZZ	1		
04:45	ZZZZZZ	1		
04:49	ZZZZZZ	1		
04:54	ZZZZZZ	1		
04:59	MA57443-CCV20	1		
05:03	MA57443-CCB21	1		

Refer to raw data for calibration curve and standards.

REPORTED ELEMENTS SUMMARY

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120524M1.ICP Date Analyzed: 12/05/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57443
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	
10:00	MA57443-ICV1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
10:06	MA57443-ICB1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
10:16	MA57443-ICCV1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
10:21	MA57443-CCB1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
10:30	MA57443-CRI1	1																							
10:35	MA57443-CRID1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
10:40	MA57443-ICSA1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
10:45	MA57443-ICSAB1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
10:50	MA57443-HSTD1	1	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	
10:55	MA57443-HSTD2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
11:06	ZZZZZZ	1																							
11:11	ZZZZZZ	1																							
11:16	ZZZZZZ	1																							
11:21	ZZZZZZ	1																							
11:26	MA57443-CCV1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
11:30	MA57443-CCB2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
11:35	MA57443-CRI2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
11:40	MP51265-MB1	1												X											
11:45	MP51186-B1	1																							
11:45	MP51186-B1	1														X									
11:50	ZZZZZZ	10																							
11:50	MP51298-S1	10	X																						
11:54	ZZZZZZ	10																							
11:54	MP51298-S2	10	X																						
11:59	ZZZZZZ	10																							
11:59	JE1327-1	10	X																						(a)
12:04	ZZZZZZ	50																							
12:04	MP51298-SD1	50	X																						
12:08	ZZZZZZ	10																							
12:13	ZZZZZZ	10																							
12:18	ZZZZZZ	20																							
12:23	MA57443-CCV2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
12:27	MA57443-CCB3	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
		Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	

REPORTED ELEMENTS SUMMARY

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120524M1.ICP Date Analyzed: 12/05/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57443
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	
12:32	ZZZZZZ	10																							
12:32	MP51186-S1	10	X																						
12:37	ZZZZZZ	10																							
12:37	MP51186-S2	10	X																						
12:41	ZZZZZZ	10																							
12:41	JE1340-5F	10	X																						(a)
12:46	ZZZZZZ	50																							
12:46	MP51186-SD1	50	X																						
12:51	ZZZZZZ	10																							
12:56	ZZZZZZ	10																							
13:00	ZZZZZZ	10																							
13:05	ZZZZZZ	10																							
13:10	ZZZZZZ	10																							
13:15	ZZZZZZ	10																							
13:19	MA57443-CCV3	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
13:24	MA57443-CCB4	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
13:29	ZZZZZZ	10																							
13:34	ZZZZZZ	5																							
13:38	MP51343-B1	1												X											
13:43	MP51343-LS1	1												X											
13:47	MP51343-S1	1												X											
13:52	MP51343-S2	1												X											
13:56	JE1393-6	1												X											(a)
14:01	MP51343-SD1	1												X											
14:06	ZZZZZZ	1																							
14:11	MP51346-B1	1																							
14:19	MP51346-B1	1					X							X							X				
14:24	MA57443-CCV4	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14:28	MA57443-CCB5	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14:33	MP51346-MB1	1					X							X							X				
14:38	MP51346-S1	1					X							X							X				
14:43	MP51346-S2	1					X							X							X				
14:48	JE1875-5	1												X											(a)
		Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	

REPORTED ELEMENTS SUMMARY

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120524M1.ICP Date Analyzed: 12/05/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57443
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	
14:53	MP51346-SD1	5					X							X						X					
14:57	ZZZZZZ	1																							
15:02	MP51346-S1	2																							
15:07	MP51346-S2	2																							
15:12	JE1875-5	2																							(a)
15:17	MP51346-SD1	10																							
15:21	MA57443-CCV5	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
15:26	MA57443-CCB6	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
15:31	ZZZZZZ	2																							
15:35	MP51356-MB1	1			X	X		X		X				X					X	X					
15:40	MP51356-B1	1			X	X		X		X				X					X	X					
15:45	ZZZZZZ	1																							
15:50	ZZZZZZ	1																							
15:54	ZZZZZZ	1																							
15:59	MP51343-LB1	1																							
16:04	MP51343-MB1	1												X											
16:09	MP51271-MB1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
16:18	MA57443-CCV6	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
16:23	MA57443-CCB7	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
16:28	MA57443-CRI3	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
16:33	MA57443-CRID2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
16:37	MA57443-ICSA2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
16:42	MA57443-ICSAB2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
17:07	MA57443-CCV7	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
17:12	MA57443-CCB8	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
17:17	ZZZZZZ	5																							
17:21	MP51347-B1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
17:26	MP51347-S1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
17:31	MP51347-S2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
17:35	JE1772-1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	(a)
17:40	MP51347-SD1	5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
17:45	MP51347-PS1	1		X																					
17:49	ZZZZZZ	1																							
		Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	

REPORTED ELEMENTS SUMMARY

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120524M1.ICP Date Analyzed: 12/05/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57443
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	
17:55	ZZZZZZ	1																							
17:59	ZZZZZZ	1																							
18:04	MA57443-CCV8	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
18:08	MA57443-CCB9	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
18:13	ZZZZZZ	1																							
18:18	ZZZZZZ	1																							
18:23	ZZZZZZ	1																							
18:28	ZZZZZZ	1																							
18:32	ZZZZZZ	1																							
18:37	ZZZZZZ	1																							
18:42	ZZZZZZ	1																							
18:47	ZZZZZZ	1																							
18:52	ZZZZZZ	1																							
18:57	ZZZZZZ	1																							
19:03	MA57443-CCV9	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
19:07	MA57443-CCB10	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
19:12	ZZZZZZ	1																							
19:17	ZZZZZZ	1																							
19:22	ZZZZZZ	1																							
19:27	ZZZZZZ	1																							
19:32	ZZZZZZ	1																							
19:37	ZZZZZZ	1																							
19:41	ZZZZZZ	1																							
19:46	MA57443-CCV10	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
19:51	MA57443-CCB11	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
19:56	MP51367-MB1	1		X	X	X	X	X		X			X			X			X	X		X	X	X	
20:01	MP51367-B1	1		X	X	X	X	X		X			X			X			X	X		X	X	X	
20:05	MP51367-LC1	1		X	X	X	X	X		X			X			X			X	X		X	X	X	
20:10	MP51367-LC2	1		X	X	X	X	X		X			X			X			X	X		X	X	X	
20:15	MP51367-S1	1		X	X	X	X	X		X			X			X			X	X		X	X	X	
20:19	MP51367-S2	1		X	X	X	X	X		X			X			X			X	X		X	X	X	
20:24	JE1817-1	1		X	X	X	X	X		X			X			X			X	X		X	X	X	(a)
20:29	MP51367-SD1	5		X	X	X	X	X		X			X			X			X	X		X	X	X	
		Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	

REPORTED ELEMENTS SUMMARY

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120524M1.ICP Date Analyzed: 12/05/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57443
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	
20:33	MP51367-PS1	1		X																					
20:38	ZZZZZZ	1																							
20:43	MA57443-CCV11	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
20:47	MA57443-CCB12	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
20:52	ZZZZZZ	1																							
20:57	ZZZZZZ	1																							
21:02	ZZZZZZ	1																							
21:07	ZZZZZZ	1																							
21:11	ZZZZZZ	1																							
21:16	ZZZZZZ	1																							
21:21	ZZZZZZ	1																							
21:26	ZZZZZZ	1																							
21:31	ZZZZZZ	1																							
21:36	MA57443-CCV12	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
21:40	MA57443-CCB13	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
21:45	MP51367-LC1	5																							
21:50	MP51367-LC2	5																							
21:54	ZZZZZZ	1																							
21:59	ZZZZZZ	1																							
22:04	MP51337-S1	1	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X	
22:08	MP51337-S2	1	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X	
22:13	JE1788-1	1	X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X	(a)
22:18	MP51337-SD1	5	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X	
22:23	ZZZZZZ	1																							
22:28	ZZZZZZ	1																							
22:33	MA57443-CCV13	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
22:37	MA57443-CCB14	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
22:42	ZZZZZZ	1																							
22:47	ZZZZZZ	5																							
22:52	ZZZZZZ	20																							
22:56	ZZZZZZ	5																							
23:01	ZZZZZZ	10																							
23:06	ZZZZZZ	5																							
		Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	

REPORTED ELEMENTS SUMMARY

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120524M1.ICP Date Analyzed: 12/05/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57443
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	
23:11	ZZZZZZ	20																							
23:15	ZZZZZZ	5																							
23:15	MP51300-S2	5							X				X			X									
23:20	ZZZZZZ	2																							
23:20	ZZZZZZ	2																							
23:25	MA57443-CCV14	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
23:29	MA57443-CCB15	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
23:34	MP51359-MB1	1											X			X									
23:39	MP51359-B1	1											X			X									
23:44	MP51359-S1	1											X			X									
23:48	MP51359-S2	1											X			X									
23:53	JE1744-1	1											X			X									(a)
23:57	MP51359-SD1	5											X			X									
00:02	ZZZZZZ	1																							
00:07	ZZZZZZ	1																							
00:12	ZZZZZZ	1																							
00:17	ZZZZZZ	1																							
00:21	MA57443-CCV15	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
00:26	MA57443-CCB16	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
00:31	ZZZZZZ	1																							
00:35	ZZZZZZ	1																							
00:40	ZZZZZZ	1																							
00:45	ZZZZZZ	1																							
00:50	ZZZZZZ	1																							
00:55	ZZZZZZ	1																							
00:59	MP51345-MB1	1			X			X		X				X						X	X				
01:04	MP51345-LB1	1																							
01:09	MP51345-B1	1			X			X		X				X						X	X				
01:14	MP51345-LS1	1			X			X		X				X						X	X				
01:18	MA57443-CCV16	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
01:23	MA57443-CCB17	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
01:28	MP51345-S1	5			X			X		X				X						X	X				
01:32	MP51345-S2	5			X			X		X				X						X	X				
		Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	

REPORTED ELEMENTS SUMMARY

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120524M1.ICP Date Analyzed: 12/05/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57443
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	
01:37	JE1461-1	5			X			X		X				X					X	X					(a)
01:42	MP51345-SD1	25			X			X		X				X					X	X					
01:46	MP51342-B1	1			X			X		X				X					X	X					
01:51	MP51342-MB1	1			X			X		X				X					X	X					
01:56	MP51342-LB1	1																							
02:01	MP51342-LS1	1			X			X		X				X					X	X					
02:05	MP51342-S1	5			X			X		X				X					X	X					
02:10	MP51342-S2	5			X			X		X				X					X	X					
02:15	MA57443-CCV17	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
02:19	MA57443-CCB18	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
02:24	JE1563-5	5			X			X		X				X					X	X					(a)
02:29	MP51342-SD1	25			X			X		X				X					X	X					
02:34	ZZZZZZ	5																							
02:39	ZZZZZZ	5																							
02:44	ZZZZZZ	5																							
02:49	ZZZZZZ	5																							
02:54	ZZZZZZ	5																							
02:58	ZZZZZZ	5																							
03:03	ZZZZZZ	5																							
03:08	ZZZZZZ	5																							
03:13	MA57443-CCV18	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
03:18	MA57443-CCB19	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
03:23	ZZZZZZ	5																							
03:27	ZZZZZZ	1																							
03:32	ZZZZZZ	1																							
03:37	ZZZZZZ	1																							
03:42	ZZZZZZ	1																							
03:47	ZZZZZZ	1																							
03:52	ZZZZZZ	1																							
03:57	ZZZZZZ	1																							
04:02	ZZZZZZ	1																							
04:07	ZZZZZZ	1																							
04:11	MA57443-CCV19	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
		Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	

REPORTED ELEMENTS SUMMARY

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120524M1.ICP Date Analyzed: 12/05/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57443
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn
04:16	MA57443-CCB20	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
04:21	ZZZZZZ	1																						
04:26	ZZZZZZ	1																						
04:30	ZZZZZZ	1																						
04:35	ZZZZZZ	1																						
04:40	ZZZZZZ	1																						
04:45	ZZZZZZ	1																						
04:49	ZZZZZZ	1																						
04:54	ZZZZZZ	1																						
04:59	MA57443-CCV20	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
05:03	MA57443-CCB21	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

(a) Sample used for QC only; not part of login JE1536.

Element: Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn

INTERNAL STANDARD SUMMARY

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120524M1.ICP Date Analyzed: 12/05/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57443
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
09:50	MA57443-STD1	4670 R	90800 R	14663 R	7085 R
09:55	MA57443-STD2	4426	85289	13821	6762
10:00	MA57443-ICV1	4454	85921	13739	6788
10:06	MA57443-ICB1	4580	88343	13829	6985
10:16	MA57443-ICCV1	4524	87910	14348	6865
10:21	MA57443-CCB1	4538	87486	13922	6952
10:30	MA57443-CRI1	No results reported for the elements associated with this internal standard.			
10:35	MA57443-CRID1	4665	89934	14779	7045
10:40	MA57443-ICSA1	4290	82027	13853	6553
10:45	MA57443-ICSAB1	4250	80930	13572	6508
10:50	MA57443-HSTD1	4552	87185	13924	7024
10:55	MA57443-HSTD2	4454	85755	14454	6683
11:06	ZZZZZZ	No results reported for the elements associated with this internal standard.			
11:11	ZZZZZZ	No results reported for the elements associated with this internal standard.			
11:16	ZZZZZZ	No results reported for the elements associated with this internal standard.			
11:21	ZZZZZZ	No results reported for the elements associated with this internal standard.			
11:26	MA57443-CCV1	4514	86608	13943	6885
11:30	MA57443-CCB2	4559	88267	13826	7001
11:35	MA57443-CRI2	4509	87783	13649	6925
11:40	MP51265-MB1	4603	89577	13854	7012
11:45	MP51186-B1	No results reported for the elements associated with this internal standard.			
11:45	MP51186-B1	4572	87657	14213	6925
11:50	ZZZZZZ	No results reported for the elements associated with this internal standard.			
11:50	MP51298-S1	4733	91506	15135	7053
11:54	ZZZZZZ	No results reported for the elements associated with this internal standard.			
11:54	MP51298-S2	4665	90388	14445	7018
11:59	ZZZZZZ	No results reported for the elements associated with this internal standard.			
11:59	JE1327-1	4651	90346	14299	6988
12:04	ZZZZZZ	No results reported for the elements associated with this internal standard.			
12:04	MP51298-SD1	4588	88766	13949	6957
12:08	ZZZZZZ	5085	98102	15659	7022
12:13	ZZZZZZ	4847	93989	15381	7183
12:18	ZZZZZZ	4916	94862	15269	7030

INTERNAL STANDARD SUMMARY

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120524M1.ICP Date Analyzed: 12/05/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57443
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
12:23	MA57443-CCV2	4501	86419	13681	6870
12:27	MA57443-CCB3	4573	89178	13842	7016
12:32	ZZZZZZ	No results reported for the elements associated with this internal standard.			
12:32	MP51186-S1	4680	90540	14397	6998
12:37	ZZZZZZ	No results reported for the elements associated with this internal standard.			
12:37	MP51186-S2	4744	92120	15087	7065
12:41	ZZZZZZ	No results reported for the elements associated with this internal standard.			
12:41	JE1340-5F	4614	90190	14486	6948
12:46	ZZZZZZ	No results reported for the elements associated with this internal standard.			
12:46	MP51186-SD1	4568	88579	13925	6968
12:51	ZZZZZZ	4497	87774	13846	6815
12:56	ZZZZZZ	4520	88646	14115	6820
13:00	ZZZZZZ	4699	91378	14899	6997
13:05	ZZZZZZ	4636	90647	14790	6964
13:10	ZZZZZZ	4536	88070	13962	6896
13:15	ZZZZZZ	4502	87793	14007	6835
13:19	MA57443-CCV3	4561	86994	13586	6949
13:24	MA57443-CCB4	4792	92585	14759	7253
13:29	ZZZZZZ	4648	91108	14617	7024
13:34	ZZZZZZ	4645	90363	14014	7098
13:38	MP51343-B1	4522	87343	13641	6939
13:43	MP51343-LS1	4592	88064	13850	6994
13:47	MP51343-S1	4771	91281	14748	7152
13:52	MP51343-S2	4629	89547	14508	7017
13:56	JE1393-6	4638	89885	14138	7071
14:01	MP51343-SD1	4575	88484	13687	7054
14:06	ZZZZZZ	4632	89602	13908	7073
14:11	MP51346-B1	No results reported for the elements associated with this internal standard.			
14:19	MP51346-B1	4683	89967	13883	7144
14:24	MA57443-CCV4	4595	88816	14009	7018
14:28	MA57443-CCB5	4670	90370	14160	7163
14:33	MP51346-MB1	4806	93492	14170	7341
14:38	MP51346-S1	4778	93662	14672	7112

INTERNAL STANDARD SUMMARY

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120524M1.ICP Date Analyzed: 12/05/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57443
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:43	MP51346-S2	4725	93096	14310	7069
14:48	JE1875-5	4910	95452	14755	7280
14:53	MP51346-SD1	5002	96660	15396	7467
14:57	ZZZZZZ	5032	97590	15335	7362
15:02	MP51346-S1	4774	93182	14530	7190
15:07	MP51346-S2	4687	91087	14200	7087
15:12	JE1875-5	4799	93748	14396	7207
15:17	MP51346-SD1	4741	91526	14474	7187
15:21	MA57443-CCV5	4612	89948	13944	7095
15:26	MA57443-CCB6	4716	92802	14168	7290
15:31	ZZZZZZ	4998	97946	14883	7432
15:35	MP51356-MB1	4735	92235	14249	7284
15:40	MP51356-B1	4660	90342	14082	7187
15:45	ZZZZZZ	4748	92569	14221	7335
15:50	ZZZZZZ	4736	92595	14190	7328
15:54	ZZZZZZ	4902	96514	14643	7570
15:59	MP51343-LB1	4761	93378	14355	7371
16:04	MP51343-MB1	4754	92992	14332	7373
16:09	MP51271-MB1	4799	93644	14472	7426
16:18	MA57443-CCV6	4614	90748	14036	7175
16:23	MA57443-CCB7	4720	92775	14264	7353
16:28	MA57443-CRI3	4703	92594	14151	7320
16:33	MA57443-CRID2	4714	92999	14299	7349
16:37	MA57443-ICSA2	4477	87981	14059	6939
16:42	MA57443-ICSAB2	4483	87835	14029	6967
17:07	MA57443-CCV7	4640	91364	14236	7244
17:12	MA57443-CCB8	4733	93680	14306	7413
17:17	ZZZZZZ	No results reported for the elements associated with this internal standard.			
17:21	MP51347-B1	4667	92389	14292	7309
17:26	MP51347-S1	4774	93533	14853	7341
17:31	MP51347-S2	4774	93950	14833	7347
17:35	JE1772-1	4836	94838	14974	7422
17:40	MP51347-SD1	4769	94240	14581	7411

INTERNAL STANDARD SUMMARY

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120524M1.ICP Date Analyzed: 12/05/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57443
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
17:45	MP51347-PS1	4749	93653	14878	7330
17:49	ZZZZZZ	4782	94484	15244	7003
17:55	ZZZZZZ	4831	95300	14633	7475
17:59	ZZZZZZ	4825	94921	14787	7464
18:04	MA57443-CCV8	4674	92648	14237	7335
18:08	MA57443-CCB9	4767	94890	14375	7513
18:13	ZZZZZZ	4805	95223	14630	7463
18:18	ZZZZZZ	4907	96184	14871	7558
18:23	ZZZZZZ	4878	96179	14832	7542
18:28	ZZZZZZ	4864	96681	14830	7487
18:32	ZZZZZZ	4840	95659	14825	7487
18:37	ZZZZZZ	4987	99864	15592	7151
18:42	ZZZZZZ	5590	111750	17433	7434
18:47	ZZZZZZ	5261	104570	16247	7506
18:52	ZZZZZZ	5612	112880	17610	7186
18:57	ZZZZZZ	6454 !	129840 !	20241 !	7298
19:03	MA57443-CCV9	4697	93582	14304	7370
19:07	MA57443-CCB10	4799	95752	14408	7574
19:12	ZZZZZZ	5360	105790	16339	7669
19:17	ZZZZZZ	5148	101080	15802	7499
19:22	ZZZZZZ	No results reported for the elements associated with this internal standard.			
19:27	ZZZZZZ	No results reported for the elements associated with this internal standard.			
19:32	ZZZZZZ	No results reported for the elements associated with this internal standard.			
19:37	ZZZZZZ	No results reported for the elements associated with this internal standard.			
19:41	ZZZZZZ	No results reported for the elements associated with this internal standard.			
19:46	MA57443-CCV10	4687	93591	14273	7397
19:51	MA57443-CCB11	4791	95487	14386	7586
19:56	MP51367-MB1	4847	96746	14654	7635
20:01	MP51367-B1	4696	94106	14243	7429
20:05	MP51367-LC1	4860	97136	14697	7473
20:10	MP51367-LC2	4848	96877	14722	7468
20:15	MP51367-S1	4839	95994	14875	7536
20:19	MP51367-S2	4840	96021	14870	7536

INTERNAL STANDARD SUMMARY

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120524M1.ICP Date Analyzed: 12/05/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57443
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
20:24	JE1817-1	4872	97076	14797	7601
20:29	MP51367-SD1	4834	96429	14597	7605
20:33	MP51367-PS1	4788	95100	14766	7490
20:38	ZZZZZZ	4771	95783	14534	7527
20:43	MA57443-CCV11	4712	94598	14331	7451
20:47	MA57443-CCB12	4803	96857	14391	7636
20:52	ZZZZZZ	4779	96653	14828	7380
20:57	ZZZZZZ	4811	96267	14707	7470
21:02	ZZZZZZ	4766	95884	14699	7505
21:07	ZZZZZZ	4945	98904	15098	7883
21:11	ZZZZZZ	4911	98204	14990	7655
21:16	ZZZZZZ	4890	97252	14967	7533
21:21	ZZZZZZ	4876	97838	14810	7534
21:26	ZZZZZZ	4848	96552	14692	7561
21:31	ZZZZZZ	4829	96156	14555	7542
21:36	MA57443-CCV12	4717	94677	14368	7452
21:40	MA57443-CCB13	4819	97060	14468	7646
21:45	MP51367-LC1	4806	96712	14445	7573
21:50	MP51367-LC2	4818	96812	14443	7575
21:54	ZZZZZZ	No results reported for the elements associated with this internal standard.			
21:59	ZZZZZZ	No results reported for the elements associated with this internal standard.			
22:04	MP51337-S1	4746	95774	14552	7476
22:08	MP51337-S2	4771	95203	14593	7507
22:13	JE1788-1	4804	96554	14496	7576
22:18	MP51337-SD1	4814	97062	14471	7614
22:23	ZZZZZZ	4853	97266	14736	7622
22:28	ZZZZZZ	4799	96724	14634	7550
22:33	MA57443-CCV13	4716	94301	14236	7438
22:37	MA57443-CCB14	4818	96489	14466	7626
22:42	ZZZZZZ	4907	98612	14757	7734
22:47	ZZZZZZ	4777	96465	14683	7414
22:52	ZZZZZZ	4807	96306	14560	7545
22:56	ZZZZZZ	4794	95839	14680	7474

INTERNAL STANDARD SUMMARY

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120524M1.ICP Date Analyzed: 12/05/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57443
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
23:01	ZZZZZZ	4816	96077	14593	7549
23:06	ZZZZZZ	4786	95872	14705	7443
23:11	ZZZZZZ	4811	96070	14523	7566
23:15	ZZZZZZ	No results reported for the elements associated with this internal standard.			
23:15	MP51300-S2	4760	94904	14444	7458
23:20	ZZZZZZ	No results reported for the elements associated with this internal standard.			
23:20	ZZZZZZ	4770	94963	14577	7442
23:25	MA57443-CCV14	4679	92714	14231	7387
23:29	MA57443-CCB15	4779	95105	14329	7563
23:34	MP51359-MB1	4743	93981	14025	7555
23:39	MP51359-B1	4644	92496	14007	7360
23:44	MP51359-S1	4534	91006	13907	7165
23:48	MP51359-S2	4528	91403	13929	7163
23:53	JE1744-1	4579	92683	13882	7237
23:57	MP51359-SD1	4698	94710	14194	7469
00:02	ZZZZZZ	4691	94907	14046	7479
00:07	ZZZZZZ	4676	93765	14075	7449
00:12	ZZZZZZ	4588	92205	13992	7280
00:17	ZZZZZZ	4639	92955	14019	7356
00:21	MA57443-CCV15	4681	93903	14245	7411
00:26	MA57443-CCB16	4802	96065	14273	7622
00:31	ZZZZZZ	4637	92944	13931	7351
00:35	ZZZZZZ	4676	93355	14107	7432
00:40	ZZZZZZ	4661	93174	14060	7406
00:45	ZZZZZZ	4574	91833	13882	7272
00:50	ZZZZZZ	4609	92143	13954	7288
00:55	ZZZZZZ	No results reported for the elements associated with this internal standard.			
00:59	MP51345-MB1	4814	96721	14361	7640
01:04	MP51345-LB1	4798	96411	14446	7627
01:09	MP51345-B1	4711	94622	14367	7471
01:14	MP51345-LS1	4713	94827	14355	7483
01:18	MA57443-CCV16	4648	93213	14081	7381
01:23	MA57443-CCB17	4753	95542	14225	7553

INTERNAL STANDARD SUMMARY

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120524M1.ICP Date Analyzed: 12/05/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57443
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
01:28	MP51345-S1	4702	94324	14188	7458
01:32	MP51345-S2	4705	94589	14303	7458
01:37	JE1461-1	4713	95063	14276	7481
01:42	MP51345-SD1	4785	96094	14307	7601
01:46	MP51342-B1	4713	94493	14343	7492
01:51	MP51342-MB1	4834	97832	14419	7692
01:56	MP51342-LB1	4504	90687	14190	6860
02:01	MP51342-LS1	4443	89351	14090	6774
02:05	MP51342-S1	4737	96189	14345	7406
02:10	MP51342-S2	4700	95123	14249	7357
02:15	MA57443-CCV17	4735	95407	14290	7515
02:19	MA57443-CCB18	4855	98335	14420	7727
02:24	JE1563-5	4751	96645	14330	7432
02:29	MP51342-SD1	4859	98490	14540	7673
02:34	ZZZZZZ	4765	96889	14532	7487
02:39	ZZZZZZ	4728	96358	14326	7421
02:44	ZZZZZZ	4718	96030	14322	7399
02:49	ZZZZZZ	4712	95667	14256	7387
02:54	ZZZZZZ	4710	95501	14398	7395
02:58	ZZZZZZ	4750	96614	14521	7456
03:03	ZZZZZZ	4750	96231	14385	7432
03:08	ZZZZZZ	4744	96707	14476	7405
03:13	MA57443-CCV18	4817	97418	14673	7632
03:18	MA57443-CCB19	4917	100170	14852	7822
03:23	ZZZZZZ	4777	99466	14827	7454
03:27	ZZZZZZ	5343	107090	15961	7966
03:32	ZZZZZZ	5387	108160	16121	8030
03:37	ZZZZZZ	5330	108110	15867	7897
03:42	ZZZZZZ	5120	103540	15277	7848
03:47	ZZZZZZ	5066	102410	15083	7856
03:52	ZZZZZZ	5126	102940	15259	8122
03:57	ZZZZZZ	5363	107230	15860	7976
04:02	ZZZZZZ	5076	102510	15221	8051

INTERNAL STANDARD SUMMARY

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120524M1.ICP Date Analyzed: 12/05/24 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA57443
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
04:07	ZZZZZZ	5138	101960	15210	7969
04:11	MA57443-CCV19	4803	96872	14620	7636
04:16	MA57443-CCB20	4892	99114	14696	7806
04:21	ZZZZZZ	5044	101710	15021	8044
04:26	ZZZZZZ	5084	101760	14990	7912
04:30	ZZZZZZ	5218	104970	15514	7955
04:35	ZZZZZZ	5158	103470	15213	7951
04:40	ZZZZZZ	5121	102330	15248	7943
04:45	ZZZZZZ	5292	106000	15719	7933
04:49	ZZZZZZ	5070	102290	15079	7944
04:54	ZZZZZZ	5225	103550	15491	7826
04:59	MA57443-CCV20	4780	95965	14525	7624
05:03	MA57443-CCB21	4912	98968	14674	7846

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %
Istd#2	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %
Istd#4	Indium	70-130 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120524M1.ICP Date Analyzed: 12/05/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57443 Units: ug/l

Time: / Sample ID:			10:06 ICB1		10:21 CCB1		11:30 CCB2		12:27 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	17	-17.8	<200	-7.60	<200	-10.2	<200	-20.6	<200
Antimony	6.0	1.7	0.700	<6.0	0.700	<6.0	-0.500	<6.0	-0.300	<6.0
Arsenic	3.0	2.1	1.00	<3.0	-0.200	<3.0	0.600	<3.0	1.90	<3.0
Barium	200	.8	-0.300	<200	0.00	<200	-0.300	<200	0.00	<200
Beryllium	1.0	.3	0.100	<1.0	0.100	<1.0	0.00	<1.0	0.100	<1.0
Bismuth	20	2.3								
Boron	100	2.3								
Cadmium	3.0	.3	-0.100	<3.0	0.100	<3.0	0.00	<3.0	0.200	<3.0
Calcium	5000	6.6	-7.60	<5000	-6.50	<5000	-6.20	<5000	-0.900	<5000
Cerium	100									
Chromium	10	.3	0.100	<10	-0.300	<10	0.00	<10	-0.100	<10
Cobalt	50	.4	0.200	<50	0.400	<50	0.300	<50	0.100	<50
Copper	10	.8	-0.200	<10	-0.100	<10	-0.200	<10	-0.300	<10
Iron	100	5.3	6.40	<100	4.40	<100	6.10	<100	7.90	<100
Lead	3.0	1.1	0.200	<3.0	-0.200	<3.0	-0.700	<3.0	-0.400	<3.0
Lithium	50	4.8								
Magnesium	5000	32	-21.3	<5000	-1.20	<5000	-7.40	<5000	-8.70	<5000
Manganese	15	.1	0.100	<15	0.100	<15	0.200	<15	0.100	<15
Molybdenum	20	.6								
Nickel	10	.4	0.300	<10	0.00	<10	0.100	<10	0.100	<10
Phosphorus	50	1.2								
Potassium	10000	77	127	<10000	131	<10000	55.3	<10000	111	<10000
Selenium	10	3.2	1.40	<10	1.30	<10	0.800	<10	0.700	<10
Silicon	200	1.7								
Silver	10	1	-0.100	<10	0.200	<10	0.100	<10	0.00	<10
Sodium	10000	34	-1.70	<10000	-2.90	<10000	-21.1	<10000	-26.7	<10000
Strontium	10	.3								
Sulfur	50	3								
Thallium	10	1.8	1.50	<10	0.600	<10	0.500	<10	1.20	<10
Tin	10	.8	anr							
Titanium	10	.5								
Tungsten	50	2.6								
Vanadium	50	.6	0.00	<50	0.100	<50	0.300	<50	0.200	<50

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120524M1.ICP Date Analyzed: 12/05/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57443 Units: ug/l

Time:			10:06		10:21		11:30		12:27	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.1	0.400	<20	0.200	<20	0.500	<20	0.300	<20
Zirconium	10	.3								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120524M1.ICP Date Analyzed: 12/05/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57443 Units: ug/l

Time: / Sample ID:			13:24 CCB4		14:28 CCB5		15:26 CCB6		16:23 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	17	-4.00	<200	-3.20	<200	-5.20	<200	-1.80	<200
Antimony	6.0	1.7	-1.60	<6.0	-1.00	<6.0	-0.600	<6.0	0.800	<6.0
Arsenic	3.0	2.1	-0.100	<3.0	0.100	<3.0	0.200	<3.0	1.60	<3.0
Barium	200	.8	0.00	<200	0.200	<200	-0.100	<200	0.300	<200
Beryllium	1.0	.3	0.200	<1.0	0.200	<1.0	0.100	<1.0	0.100	<1.0
Bismuth	20	2.3								
Boron	100	2.3								
Cadmium	3.0	.3	0.00	<3.0	0.100	<3.0	0.200	<3.0	0.200	<3.0
Calcium	5000	6.6	-8.40	<5000	1.80	<5000	0.200	<5000	2.60	<5000
Cerium	100									
Chromium	10	.3	0.200	<10	0.00	<10	-0.100	<10	0.400	<10
Cobalt	50	.4	0.00	<50	0.300	<50	0.300	<50	0.200	<50
Copper	10	.8	0.700	<10	0.900	<10	0.600	<10	1.50	<10
Iron	100	5.3	8.20	<100	10.2	<100	7.70	<100	6.40	<100
Lead	3.0	1.1	0.900	<3.0	0.100	<3.0	-0.500	<3.0	-0.200	<3.0
Lithium	50	4.8								
Magnesium	5000	32	-1.30	<5000	6.40	<5000	6.90	<5000	-9.70	<5000
Manganese	15	.1	0.100	<15	0.200	<15	0.200	<15	0.100	<15
Molybdenum	20	.6								
Nickel	10	.4	0.100	<10	0.00	<10	0.300	<10	0.200	<10
Phosphorus	50	1.2								
Potassium	10000	77	-23.5	<10000	23.2	<10000	-6.60	<10000	-35.4	<10000
Selenium	10	3.2	2.50	<10	3.10	<10	3.10	<10	1.00	<10
Silicon	200	1.7								
Silver	10	1	0.200	<10	0.200	<10	0.200	<10	1.00	<10
Sodium	10000	34	9.30	<10000	-1.90	<10000	58.8	<10000	-8.60	<10000
Strontium	10	.3								
Sulfur	50	3								
Thallium	10	1.8	-0.300	<10	1.40	<10	0.600	<10	2.80	<10
Tin	10	.8	anr							
Titanium	10	.5								
Tungsten	50	2.6								
Vanadium	50	.6	0.200	<50	0.00	<50	0.00	<50	0.200	<50

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120524M1.ICP Date Analyzed: 12/05/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57443 Units: ug/l

Time: / Sample ID:			13:24 CCB4		14:28 CCB5		15:26 CCB6		16:23 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.1	0.400	<20	0.500	<20	0.600	<20	0.100	<20
Zirconium	10	.3								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120524M1.ICP Date Analyzed: 12/05/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57443 Units: ug/l

Time:			17:12	
Sample ID:			CCB8	
Metal	RL	IDL	raw	final
Aluminum	200	17	-2.40	<200
Antimony	6.0	1.7	-0.500	<6.0
Arsenic	3.0	2.1	1.60	<3.0
Barium	200	.8	-0.200	<200
Beryllium	1.0	.3	0.00	<1.0
Bismuth	20	2.3		
Boron	100	2.3		
Cadmium	3.0	.3	0.00	<3.0
Calcium	5000	6.6	1.10	<5000
Cerium	100			
Chromium	10	.3	0.100	<10
Cobalt	50	.4	0.100	<50
Copper	10	.8	1.70	<10
Iron	100	5.3	7.30	<100
Lead	3.0	1.1	-0.800	<3.0
Lithium	50	4.8		
Magnesium	5000	32	-8.30	<5000
Manganese	15	.1	0.200	<15
Molybdenum	20	.6		
Nickel	10	.4	-0.100	<10
Phosphorus	50	1.2		
Potassium	10000	77	-97.1	<10000
Selenium	10	3.2	0.600	<10
Silicon	200	1.7		
Silver	10	1	0.900	<10
Sodium	10000	34	-16.7	<10000
Strontium	10	.3		
Sulfur	50	3		
Thallium	10	1.8	0.100	<10
Tin	10	.8	anr	
Titanium	10	.5		
Tungsten	50	2.6		
Vanadium	50	.6	0.200	<50

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120524M1.ICP Date Analyzed: 12/05/24 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA57443 Units: ug/l

Time:			17:12	
Sample ID:			CCB8	
Metal	RL	IDL	raw	final
Zinc	20	.1	0.00	<20
Zirconium	10	.3		

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120524M1.ICP Date Analyzed: 12/05/24 Methods: EPA 200.7, SW846 6010D
QC Limits: to % Recovery Run ID: MA57443 Units: ug/l

Time:		10:16	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Aluminum	40000	38800	97.0
Antimony	2000	2060	103.0
Arsenic	2000	2020	101.0
Barium	2000	1950	97.5
Beryllium	2000	1990	99.5
Bismuth			
Boron			
Cadmium	2000	1960	98.0
Calcium	40000	39800	99.5
Cerium			
Chromium	2000	1960	98.0
Cobalt	2000	1950	97.5
Copper	2000	1910	95.5
Iron	40000	40200	100.5
Lead	2000	2000	100.0
Lithium			
Magnesium	40000	39800	99.5
Manganese	2000	1980	99.0
Molybdenum			
Nickel	2000	2000	100.0
Phosphorus			
Potassium	40000	39600	99.0
Selenium	2000	2000	100.0
Silicon			
Silver	250	256	102.4
Sodium	40000	40700	101.8
Strontium			
Sulfur			
Thallium	2000	2000	100.0
Tin	anr		
Titanium			
Tungsten			
Vanadium	2000	1950	97.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120524M1.ICP Date Analyzed: 12/05/24 Methods: EPA 200.7, SW846 6010D
QC Limits: to % Recovery Run ID: MA57443 Units: ug/l

Time:		10:16	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Zinc	2000	2030	101.5
Zirconium			

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120524M1.ICP Date Analyzed: 12/05/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57443 Units: ug/l

Time:		10:00			11:26			12:23	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39500	98.8	40000	40000	100.0	40000	39500	98.8
Antimony	2000	2040	102.0	2000	2020	101.0	2000	1990	99.5
Arsenic	2000	1980	99.0	2000	2040	102.0	2000	2000	100.0
Barium	2000	1960	98.0	2000	2080	104.0	2000	2040	102.0
Beryllium	2000	1990	99.5	2000	2080	104.0	2000	2060	103.0
Bismuth									
Boron									
Cadmium	2000	1940	97.0	2000	2110	105.5	2000	2080	104.0
Calcium	40000	39800	99.5	40000	40400	101.0	40000	39800	99.5
Cerium									
Chromium	2000	1930	96.5	2000	2090	104.5	2000	2060	103.0
Cobalt	2000	1920	96.0	2000	2100	105.0	2000	2070	103.5
Copper	2000	1910	95.5	2000	2030	101.5	2000	1990	99.5
Iron	40000	39800	99.5	40000	40300	100.8	40000	39700	99.3
Lead	2000	1960	98.0	2000	2090	104.5	2000	2060	103.0
Lithium									
Magnesium	40000	39600	99.0	40000	40500	101.3	40000	39900	99.8
Manganese	2000	1960	98.0	2000	2120	106.0	2000	2080	104.0
Molybdenum									
Nickel	2000	1960	98.0	2000	2110	105.5	2000	2070	103.5
Phosphorus									
Potassium	40000	39500	98.8	40000	40000	100.0	40000	39500	98.8
Selenium	2000	1950	97.5	2000	2070	103.5	2000	2030	101.5
Silicon									
Silver	250	252	100.8	250	250	100.0	250	245	98.0
Sodium	40000	40400	101.0	40000	40100	100.3	40000	39500	98.8
Strontium									
Sulfur									
Thallium	2000	1950	97.5	2000	2120	106.0	2000	2080	104.0
Tin	anr								
Titanium									
Tungsten									
Vanadium	2000	1970	98.5	2000	2080	104.0	2000	2050	102.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120524M1.ICP Date Analyzed: 12/05/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57443 Units: ug/l

Time:		10:00			11:26			12:23	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	2000	2000	100.0	2000	2100	105.0	2000	2070	103.5
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120524M1.ICP Date Analyzed: 12/05/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57443 Units: ug/l

Time:		13:19			14:24			15:21	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39900	99.8	40000	40100	100.3	40000	40500	101.3
Antimony	2000	2020	101.0	2000	2030	101.5	2000	2010	100.5
Arsenic	2000	2040	102.0	2000	2070	103.5	2000	2080	104.0
Barium	2000	2050	102.5	2000	2060	103.0	2000	2050	102.5
Beryllium	2000	2080	104.0	2000	2090	104.5	2000	2110	105.5
Bismuth									
Boron									
Cadmium	2000	2110	105.5	2000	2120	106.0	2000	2110	105.5
Calcium	40000	40200	100.5	40000	40700	101.8	40000	41000	102.5
Cerium									
Chromium	2000	2080	104.0	2000	2090	104.5	2000	2080	104.0
Cobalt	2000	2110	105.5	2000	2110	105.5	2000	2100	105.0
Copper	2000	2010	100.5	2000	2010	100.5	2000	1970	98.5
Iron	40000	40100	100.3	40000	40400	101.0	40000	40500	101.3
Lead	2000	2100	105.0	2000	2100	105.0	2000	2080	104.0
Lithium									
Magnesium	40000	40300	100.8	40000	40500	101.3	40000	40800	102.0
Manganese	2000	2100	105.0	2000	2110	105.5	2000	2090	104.5
Molybdenum									
Nickel	2000	2110	105.5	2000	2120	106.0	2000	2100	105.0
Phosphorus									
Potassium	40000	39900	99.8	40000	40100	100.3	40000	40200	100.5
Selenium	2000	2070	103.5	2000	2090	104.5	2000	2080	104.0
Silicon									
Silver	250	248	99.2	250	248	99.2	250	245	98.0
Sodium	40000	39900	99.8	40000	40100	100.3	40000	40100	100.3
Strontium									
Sulfur									
Thallium	2000	2120	106.0	2000	2120	106.0	2000	2110	105.5
Tin	anr								
Titanium									
Tungsten									
Vanadium	2000	2060	103.0	2000	2050	102.5	2000	2010	100.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120524M1.ICP Date Analyzed: 12/05/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57443 Units: ug/l

Time:		13:19			14:24			15:21	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	2000	2100	105.0	2000	2120	106.0	2000	2110	105.5
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120524M1.ICP Date Analyzed: 12/05/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57443 Units: ug/l

Time:		16:18			17:07	
Sample ID:	CCV	CCV6		CCV	CCV7	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41700	104.3	40000	42000	105.0
Antimony	2000	2050	102.5	2000	2050	102.5
Arsenic	2000	2140	107.0	2000	2160	108.0
Barium	2000	2080	104.0	2000	2090	104.5
Beryllium	2000	2130	106.5	2000	2140	107.0
Bismuth						
Boron						
Cadmium	2000	2140	107.0	2000	2140	107.0
Calcium	40000	42000	105.0	40000	42300	105.8
Cerium						
Chromium	2000	2080	104.0	2000	2070	103.5
Cobalt	2000	2120	106.0	2000	2130	106.5
Copper	2000	1970	98.5	2000	1960	98.0
Iron	40000	40600	101.5	40000	40600	101.5
Lead	2000	2070	103.5	2000	2060	103.0
Lithium						
Magnesium	40000	40700	101.8	40000	40700	101.8
Manganese	2000	2100	105.0	2000	2100	105.0
Molybdenum						
Nickel	2000	2100	105.0	2000	2090	104.5
Phosphorus						
Potassium	40000	40500	101.3	40000	40400	101.0
Selenium	2000	2110	105.5	2000	2120	106.0
Silicon						
Silver	250	243	97.2	250	242	96.8
Sodium	40000	40000	100.0	40000	40000	100.0
Strontium						
Sulfur						
Thallium	2000	2110	105.5	2000	2100	105.0
Tin	anr					
Titanium						
Tungsten						
Vanadium	2000	2030	101.5	2000	2020	101.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120524M1.ICP Date Analyzed: 12/05/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA57443 Units: ug/l

Time:		16:18			17:07	
Sample ID:	CCV	CCV6		CCV	CCV7	
Metal	True	Results	% Rec	True	Results	% Rec
Zinc	2000	2140	107.0	2000	2140	107.0
Zirconium						

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120524M1.ICP Date Analyzed: 12/05/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 90 to 110 % Recovery Run ID: MA57443 Units: ug/l

Time:		10:50			10:55	
Sample ID:	HSTD	HSTD1		HSTD	HSTD2	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum				300000	288000	96.0
Antimony	8000	8060	100.8			
Arsenic	8000	7810	97.6			
Barium	8000	7660	95.8			
Beryllium	8000	7860	98.3			
Bismuth						
Boron						
Cadmium	8000	7460	93.3			
Calcium				200000	190000	95.0
Cerium						
Chromium	8000	8000	100.0			
Cobalt	8000	7990	99.9			
Copper	8000	7720	96.5			
Iron				200000	192000	96.0
Lead	8000	8070	100.9			
Lithium						
Magnesium				300000	287000	95.7
Manganese	8000	7890	98.6			
Molybdenum						
Nickel	8000	8040	100.5			
Phosphorus						
Potassium				200000	196000	98.0
Selenium	8000	7740	96.8			
Silicon						
Silver	625	658	105.3			
Sodium				200000	200000	100.0
Strontium						
Sulfur						
Thallium	8000	7910	98.9			
Tin	anr					
Titanium						
Tungsten						
Vanadium	8000	7820	97.8			

HIGH STANDARD CHECK SUMMARY

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120524M1.ICP Date Analyzed: 12/05/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 90 to 110 % Recovery Run ID: MA57443 Units: ug/l

Time:		10:50			10:55	
Sample ID:	HSTD	HSTD1		HSTD	HSTD2	
Metal	True	Results	% Rec	True	Results	% Rec
Zinc	8000	8040	100.5			
Zirconium						

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120524M1.ICP Date Analyzed: 12/05/24 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA57443 Units: ug/l

Time:				10:35		11:35		16:28	
Sample ID:	CRI	CRIA	CRID	CRID1		CRI2		CRI3	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	85.1	85.1	188	94.0	219	109.5
Antimony	6.0	20	3.0			6.40	106.7	5.00	83.3
Arsenic	8.0	20	3.0	2.60	86.7	7.20	90.0	9.20	115.0
Barium	200		4.0	3.60	90.0	191	95.5	195	97.5
Beryllium	2.0		1.0	0.900	90.0	2.10	105.0	2.00	100.0
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	0.900	90.0	2.90	96.7	3.00	100.0
Calcium	5000	2000	1000	1030	103.0	5110	102.2	5380	107.6
Cerium									
Chromium	10		2.0	2.10	105.0	9.60	96.0	9.80	98.0
Cobalt	50		3.0	3.10	103.3	49.5	99.0	51.3	102.6
Copper	10		2.0			8.60	86.0	10.0	100.0
Iron	100	500				106	106.0	107	107.0
Lead	3.0	20	2.5			2.50	83.3	3.00	100.0
Lithium	50								
Magnesium	5000	2000	100	90.5	90.5	5230	104.6	5330	106.6
Manganese	15		3.0	3.00	100.0	14.9	99.3	15.2	101.3
Molybdenum	20								
Nickel	10		4.0	4.40	110.0	10.1	101.0	10.0	100.0
Phosphorus	50								
Potassium	5000		2000	2020	101.0	5080	101.6	4990	99.8
Selenium	10	20	5.0			8.90	89.0	10.6	106.0
Silicon	200								
Silver	5.0		2.0			4.70	94.0	5.60	112.0
Sodium	5000		1000	1020	102.0	5040	100.8	5070	101.4
Strontium	10								
Sulfur	50								
Thallium	10		2.0	2.10	105.0	8.60	86.0	9.50	95.0
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	1.80	90.0	48.0	96.0	47.7	95.4

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120524M1.ICP Date Analyzed: 12/05/24 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA57443 Units: ug/l

Time:				10:35		11:35		16:28	
Sample ID:	CRI	CRIA	CRID	CRID1		CRI2		CRI3	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zinc	20		10	10.3	103.0	20.9	104.5	21.9	109.5
Zirconium	10								

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120524M1.ICP Date Analyzed: 12/05/24 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA57443 Units: ug/l

Time:				16:33	
Sample ID:	CRI	CRIA	CRID	CRID2	
Metal	True	True	True	Results	% Rec
Aluminum	200	500	100	99.9	99.9
Antimony	6.0	20	3.0		
Arsenic	8.0	20	3.0	2.90	96.7
Barium	200		4.0	3.60	90.0
Beryllium	2.0		1.0	0.900	90.0
Bismuth	20				
Boron	100		10		
Cadmium	3.0		1.0	1.10	110.0
Calcium	5000	2000	1000	1080	108.0
Cerium					
Chromium	10		2.0	1.90	95.0
Cobalt	50		3.0	3.20	106.7
Copper	10		2.0		
Iron	100	500			
Lead	3.0	20	2.5		
Lithium	50				
Magnesium	5000	2000	100	94.7	94.7
Manganese	15		3.0	3.00	100.0
Molybdenum	20				
Nickel	10		4.0	3.90	97.5
Phosphorus	50				
Potassium	5000		2000	2000	100.0
Selenium	10	20	5.0	5.20	104.0
Silicon	200				
Silver	5.0		2.0		
Sodium	5000		1000	988	98.8
Strontium	10				
Sulfur	50				
Thallium	10		2.0		
Tin	10				
Titanium	10				
Tungsten	50				
Vanadium	50		2.0	2.00	100.0

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120524M1.ICP Date Analyzed: 12/05/24 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA57443 Units: ug/l

Time:				16:33	
Sample ID:	CRI	CRIA	CRID	CRID2	
Metal	True	True	True	Results	% Rec
Zinc	20		10	10.3	103.0
Zirconium	10				

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120524M1.ICP Date Analyzed: 12/05/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 80 to 120 % Recovery Run ID: MA57443 Units: ug/l

Time:			10:40		10:45		16:37		16:42	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	489000	97.8	486000	97.2	517000	103.4	517000	103.4
Antimony		1000	-1.60		1060	106.0	-5.10		1070	107.0
Arsenic		1000	-1.90		962	96.2	0.500		1020	102.0
Barium		500	6.40		475	95.0	6.80		481	96.2
Beryllium		500	0.00		468	93.6	0.00		481	96.2
Bismuth		500	-16.4		520	104.0	-11.9		548	109.6
Boron		500	0.700		483	96.6	-1.40		489	97.8
Cadmium		1000	2.60		1000	100.0	2.70		1010	101.0
Calcium	400000	400000	374000	93.5	372000	93.0	388000	97.0	391000	97.8
Cerium			11.0		7.90		6.30		5.60	
Chromium		500	-0.400		445	89.0	-0.100		438	87.6
Cobalt		500	0.300		470	94.0	0.400		479	95.8
Copper		500	3.60		498	99.6	6.00		483	96.6
Iron	200000	200000	189000	94.5	188000	94.0	190000	95.0	190000	95.0
Lead		1000	1.50		896	89.6	0.300		889	88.9
Lithium		500	-6.20		528	105.6	-0.300		528	105.6
Magnesium	500000	500000	481000	96.2	479000	95.8	485000	97.0	486000	97.2
Manganese		500	-5.70		474	94.8	-5.60		469	93.8
Molybdenum		500	3.20		490	98.0	3.30		495	99.0
Nickel		1000	-2.00		923	92.3	-2.70		924	92.4
Phosphorus		500	-21.4		447	89.4	-26.6		421	84.2
Potassium			-0.400		40.1		-21.4		-104	
Selenium		1000	1.90		949	94.9	3.70		974	97.4
Silicon		500	-62.1		475	95.0	-61.1		493	98.6
Silver		1000	0.200		1040	104.0	0.900		1010	101.0
Sodium			121		130		96.9		84.6	
Strontium		500	0.800		466	93.2	0.900		486	97.2
Sulfur		500	-4.50		497	99.4	-8.60		519	103.8
Thallium		1000	-0.700		949	94.9	-0.400		951	95.1
Tin		500	-1.70		486	97.2	-3.00		504	100.8
Titanium		500	-2.40		546	109.2	-1.90		531	106.2
Tungsten		500	0.00		468	93.6	1.30		468	93.6
Vanadium		500	1.20		471	94.2	-0.300		457	91.4

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: SC120524M1.ICP Date Analyzed: 12/05/24 Methods: EPA 200.7, SW846 6010D
QC Limits: 80 to 120 % Recovery Run ID: MA57443 Units: ug/l

Time:			10:40		10:45		16:37		16:42	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Zinc		1000	1.80		894	89.4	1.80		909	90.9
Zirconium		500	-2.00		474	94.8	-1.60		470	94.0

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51271
Matrix Type: SOLID

Methods: SW846 6010D
Units: mg/kg

Prep Date: 12/03/24

Metal	RL	IDL	MDL	MB raw	final
Aluminum	50	1.7	8.1	0.62	<50
Antimony	2.0	.17	.41	-0.090	<2.0
Arsenic	2.0	.21	.28	-0.040	<2.0
Barium	20	.08	1.9	-0.010	<20
Beryllium	0.20	.03	.08	-0.010	<0.20
Bismuth	2.0	.23	.52		
Boron	10	.23	3.7		
Cadmium	0.50	.03	.07	0.010	<0.50
Calcium	500	.66	21	4.7	<500
Chromium	1.0	.03	.37	0.010	<1.0
Cobalt	5.0	.04	.28	0.030	<5.0
Copper	2.5	.08	.84	0.17	<2.5
Iron	50	.53	19	1.9	<50
Lead	2.0	.11	.41	0.040	<2.0
Lithium	5.0	.48	.92		
Magnesium	500	3.2	14	-0.73	<500
Manganese	1.5	.01	.41	0.030	<1.5
Molybdenum	2.0	.06	.32		
Nickel	4.0	.04	.35	0.050	<4.0
Phosphorus	20	.12	3.3		
Potassium	1000	7.7	32	-7.3	<1000
Selenium	2.0	.32	.65	0.17	<2.0
Silicon	20	.17	11		
Silver	0.50	.1	.17	0.10	<0.50
Sodium	1000	3.4	78	0.82	<1000
Strontium	5.0	.03	.18		
Sulfur	10	.3	3.9		
Thallium	1.0	.18	.58	-0.050	<1.0
Tin	20	.08	3.8		
Titanium	1.0	.05	.34		
Tungsten	5.0	.26	1.8		
Vanadium	5.0	.06	.19	0.010	<5.0
Zinc	5.0	.01	2.3	0.37	<5.0

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51271 Methods: SW846 6010D
Matrix Type: SOLID Units: mg/kg

Prep Date: 12/03/24

Metal	RL	IDL	MDL	MB raw	final
Zirconium	2.0	.03	.54		

Associated samples MP51271: JE1536-1, JE1536-2, JE1536-3, JE1536-4, JE1536-5, JE1536-6, JE1536-7, JE1536-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51271
Matrix Type: SOLID

Methods: SW846 6010D
Units: mg/kg

Prep Date: 12/03/24

Metal	JE1509-1 Original	MS	Spikelot MPSPK2	% Rec	QC Limits
Aluminum	3930	10200	2710	231.5N(a	75-125
Antimony	0.0	135	217	62.3N(a)	75-125
Arsenic	1.8	200	217	91.5	75-125
Barium	5.3	201	217	90.3	75-125
Beryllium	0.078	195	217	90.0	75-125
Bismuth					
Boron					
Cadmium	0.045	193	217	89.1	75-125
Calcium	322	2950	2710	97.0	75-125
Chromium	5.8	199	217	89.2	75-125
Cobalt	0.61	192	217	88.3	75-125
Copper	2.4	190	217	86.6	75-125
Iron	4280	7020	2710	101.2	75-125
Lead	4.5	195	217	87.9	75-125
Lithium					
Magnesium	225	2960	2710	101.0	75-125
Manganese	8.9	204	217	90.0	75-125
Molybdenum					
Nickel	1.6	194	217	88.8	75-125
Phosphorus					
Potassium	146	2780	2710	97.3	75-125
Selenium	0.0	188	217	86.8	75-125
Silicon					
Silver	0.0	25.2	27.1	93.0	75-125
Sodium	246	2790	2710	93.9	75-125
Strontium					
Sulfur					
Thallium	0.0	193	217	89.1	75-125
Tin					
Titanium					
Tungsten					
Vanadium	8.8	197	217	86.9	75-125
Zinc	5.4	197	217	88.4	75-125

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51271
Matrix Type: SOLID

Methods: SW846 6010D
Units: mg/kg

Prep Date: 12/03/24

Metal	JE1509-1 Original MS	Spikelot MPSPK2	% Rec	QC Limits
Zirconium				

Associated samples MP51271: JE1536-1, JE1536-2, JE1536-3, JE1536-4, JE1536-5, JE1536-6, JE1536-7, JE1536-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51271
Matrix Type: SOLID

Methods: SW846 6010D
Units: mg/kg

Prep Date: 12/03/24

Metal	JE1509-1 Original	MSD	Spikelot MPSPK2	% Rec	MSD RPD	QC Limit
Aluminum	3930	10600	2660	251.1N(a	3.8	20
Antimony	0.0	130	212	61.2N(a)	3.8	20
Arsenic	1.8	197	212	91.9	1.5	20
Barium	5.3	188	212	86.0	6.7	20
Beryllium	0.078	185	212	87.0	5.3	20
Bismuth						
Boron						
Cadmium	0.045	188	212	88.5	2.6	20
Calcium	322	2750	2660	91.4	7.0	20
Chromium	5.8	193	212	88.1	3.1	20
Cobalt	0.61	189	212	88.7	1.6	20
Copper	2.4	183	212	85.0	3.8	20
Iron	4280	7140	2660	107.7	1.7	20
Lead	4.5	195	212	89.6	0.0	20
Lithium						
Magnesium	225	2690	2660	92.8	9.6	20
Manganese	8.9	194	212	87.1	5.0	20
Molybdenum						
Nickel	1.6	193	212	90.1	0.5	20
Phosphorus						
Potassium	146	2590	2660	92.0	7.1	20
Selenium	0.0	184	212	86.6	2.2	20
Silicon						
Silver	0.0	24.5	26.6	92.2	2.8	20
Sodium	246	2640	2660	90.1	5.5	20
Strontium						
Sulfur						
Thallium	0.0	192	212	90.4	0.5	20
Tin						
Titanium						
Tungsten						
Vanadium	8.8	187	212	83.9	5.2	20
Zinc	5.4	192	212	87.8	2.6	20

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51271 Methods: SW846 6010D
Matrix Type: SOLID Units: mg/kg

Prep Date: 12/03/24

Metal	JE1509-1 Original	MSD	Spikelot MPSPK2	% Rec	MSD RPD	QC Limit
Zirconium						

Associated samples MP51271: JE1536-1, JE1536-2, JE1536-3, JE1536-4, JE1536-5, JE1536-6, JE1536-7, JE1536-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51271
Matrix Type: SOLID

Methods: SW846 6010D
Units: mg/kg

Prep Date: 12/03/24

Metal	BSP Result	Spikelot MPSPK2	% Rec	QC Limits
Aluminum	2370	2500	94.8	80-120
Antimony	193	200	96.5	80-120
Arsenic	192	200	96.0	80-120
Barium	181	200	90.5	80-120
Beryllium	184	200	92.0	80-120
Bismuth				
Boron				
Cadmium	183	200	91.5	80-120
Calcium	2400	2500	96.0	80-120
Chromium	181	200	90.5	80-120
Cobalt	183	200	91.5	80-120
Copper	174	200	87.0	80-120
Iron	2400	2500	96.0	80-120
Lead	182	200	91.0	80-120
Lithium				
Magnesium	2410	2500	96.4	80-120
Manganese	183	200	91.5	80-120
Molybdenum				
Nickel	184	200	92.0	80-120
Phosphorus				
Potassium	2370	2500	94.8	80-120
Selenium	182	200	91.0	80-120
Silicon				
Silver	23.9	25	95.6	80-120
Sodium	2380	2500	95.2	80-120
Strontium				
Sulfur				
Thallium	185	200	92.5	80-120
Tin				
Titanium				
Tungsten				
Vanadium	178	200	89.0	80-120
Zinc	184	200	92.0	80-120

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51271
Matrix Type: SOLID

Methods: SW846 6010D
Units: mg/kg

Prep Date: 12/03/24

Metal	BSP Result	Spikelot MPSPK2	% Rec	QC Limits
Zirconium				

Associated samples MP51271: JE1536-1, JE1536-2, JE1536-3, JE1536-4, JE1536-5, JE1536-6, JE1536-7, JE1536-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51271
Matrix Type: SOLID

Methods: SW846 6010D
Units: ug/l

Prep Date: 12/03/24

Metal	JE1509-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	35200	31600	10.5*(a)	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	15.8	22.1	39.9 (b)	0-10
Barium	47.5	43.1	9.3	0-10
Beryllium	0.700	0.00	100.0(b)	0-10
Bismuth				
Boron				
Cadmium	0.400	0.00	100.0(b)	0-10
Calcium	2880	2570	10.8*(a)	0-10
Chromium	51.6	48.9	5.2	0-10
Cobalt	5.50	5.90	7.3	0-10
Copper	21.7	15.3	29.5 (b)	0-10
Iron	38300	34200	10.8*(a)	0-10
Lead	40.3	43.1	6.9	0-10
Lithium				
Magnesium	2020	1820	9.6	0-10
Manganese	80.0	77.1	3.6	0-10
Molybdenum				
Nickel	14.2	13.4	5.6	0-10
Phosphorus				
Potassium	1310	1000	23.2 (b)	0-10
Selenium	0.00	0.00	NC	0-10
Silicon				
Silver	0.00	0.00	NC	0-10
Sodium	2200	2220	0.9	0-10
Strontium				
Sulfur				
Thallium	0.00	0.00	NC	0-10
Tin				
Titanium				
Tungsten				
Vanadium	78.5	72.6	7.5	0-10
Zinc	48.0	44.8	6.7	0-10

SERIAL DILUTION RESULTS SUMMARY

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51271
Matrix Type: SOLID

Methods: SW846 6010D
Units: ug/l

Prep Date: 12/03/24

Metal	JE1509-1 Original	SDL 1:5	%DIF	QC Limits
Zirconium				

Associated samples MP51271: JE1536-1, JE1536-2, JE1536-3, JE1536-4, JE1536-5, JE1536-6, JE1536-7, JE1536-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Serial dilution indicates possible matrix interference.
(b) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

POST DIGESTATE SPIKE SUMMARY

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51271
Matrix Type: SOLID

Methods: SW846 6010D
Units: ug/l

Prep Date: 12/03/24

Metal	Sample ml	Final ml	JE1509-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	19.25	20	35240	33918.5	56970	0.1	5000	25000	92.2	80-120
Antimony	19.25	20			1986	0.2	200	2000	99.3	80-120

Associated samples MP51271: JE1536-1, JE1536-2, JE1536-3, JE1536-4, JE1536-5, JE1536-6, JE1536-7, JE1536-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51284 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 12/02/24

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.033	.0022	.015	0.0038	<0.033

Associated samples MP51284: JE1536-1, JE1536-2, JE1536-3, JE1536-4, JE1536-5, JE1536-6, JE1536-7, JE1536-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51284
Matrix Type: SOLID
Methods: SW846 7471B
Units: mg/kg

Prep Date: 12/02/24

Metal	JE1510-1 Original	MS	Spikelot HGPWS1	% Rec	QC Limits
Mercury	0.072	0.47	0.345	115.5	80-120

Associated samples MP51284: JE1536-1, JE1536-2, JE1536-3, JE1536-4, JE1536-5, JE1536-6, JE1536-7, JE1536-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51284 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 12/02/24

Metal	JE1510-1 Original	MSD	Spikelot HGPWS1	% Rec	MSD RPD	QC Limit
Mercury	0.072	0.43	0.339	105.7	8.9	20

Associated samples MP51284: JE1536-1, JE1536-2, JE1536-3, JE1536-4, JE1536-5, JE1536-6, JE1536-7, JE1536-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

QC Batch ID: MP51284
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 12/02/24

Metal	BSP Result	Spikelot HGPWS1	% Rec	QC Limits
Mercury	0.36	0.333	108.0	80-120

Associated samples MP51284: JE1536-1, JE1536-2, JE1536-3, JE1536-4, JE1536-5, JE1536-6, JE1536-7, JE1536-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries
- Instrument Runlogs/QC
- Percent Solids Raw Data Summary

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Cyanide	GP58097/GN62705	0.24	0.0	mg/kg	4.8	5.21	108.5	90-110%
Cyanide	GP58144/GN62854	0.24	0.0	mg/kg	4.8	5.21	108.5	90-110%

Associated Samples:
Batch GP58097: JE1536-1, JE1536-2, JE1536-3, JE1536-4, JE1536-5
Batch GP58144: JE1536-6, JE1536-7, JE1536-8
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Cyanide	GP58097/GN62705	JE1389-4A	mg/kg	0.0	0.0	0.0	0-49%
Cyanide	GP58144/GN62854	JE1536-8	mg/kg	0.0	0.0	0.0	0-49%
Solids, Percent	GN62775	JE1536-1	%	81.8	87.4	6.6	0-10%

Associated Samples:
Batch GN62775: JE1536-1, JE1536-2, JE1536-3, JE1536-4, JE1536-5, JE1536-6, JE1536-7, JE1536-8
Batch GP58097: JE1536-1, JE1536-2, JE1536-3, JE1536-4, JE1536-5
Batch GP58144: JE1536-6, JE1536-7, JE1536-8
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Cyanide	GP58097/GN62705	JE1389-4A	mg/kg	0.0	4.65	5.3	113.9	75-125%
Cyanide	GP58144/GN62854	JE1536-8	mg/kg	0.0	4.89	0.51	10.4N(a)	75-125%

Associated Samples:
Batch GP58097: JE1536-1, JE1536-2, JE1536-3, JE1536-4, JE1536-5
Batch GP58144: JE1536-6, JE1536-7, JE1536-8
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Spike recovery indicates possible matrix interference.

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: E120224W1.CN Date Analyzed: 12/02/24 Methods: EPA 335.4/LACHAT, SW846 9012B/LACHAT
Analyst: SS Run ID: GN62705
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:15	GN62705-STD1	1		STDA
19:17	GN62705-STD2	1		STDC
19:18	GN62705-STD3	1		STDD
19:19	GN62705-STD4	1		STDB
19:19	GN62705-STD5	1		STDE
19:20	GN62705-STD6	1		STDF
19:21	GN62705-STD7	1		STDG
19:22	GN62705-ICV1	1		
19:23	GN62705-ICB1	1		
19:25	GN62705-CCV1	1		
19:26	GN62705-CCB1	1		
19:27	GP58071-MB1	1		
19:28	GP58071-S2	1		
19:29	GP58071-S1	1		
19:30	GP58071-B1	1		
19:30	GP58071-D1	1		
19:31	LB8853-1	1		(sample used for QC only; not part of login JE1536)
19:32	ZZZZZZ	1		
19:33	ZZZZZZ	1		
19:34	LB8957-1	1		(sample used for QC only; not part of login JE1536)
19:35	ZZZZZZ	1		
19:36	GN62705-CCV2	1		
19:37	GN62705-CCB2	1		
19:38	ZZZZZZ	1		
19:39	ZZZZZZ	1		
19:40	ZZZZZZ	1		
19:41	ZZZZZZ	1		
19:42	ZZZZZZ	1		
19:42	ZZZZZZ	1		
19:43	ZZZZZZ	1		
19:44	GP58070-MB1	1		
19:46	GP58070-S1	1		
19:47	GN62705-CCV3	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: E120224W1.CN Date Analyzed: 12/02/24 Methods: EPA 335.4/LACHAT, SW846 9012B/LACHAT
Analyst: SS Run ID: GN62705
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:48	GN62705-CCB3	1		
19:50	GP58070-S2	1		
19:51	GP58070-D1	1		
19:52	JE1249-1	1		(sample used for QC only; not part of login JE1536)
19:53	ZZZZZZ	1		
19:54	GP58070-B1	1		
19:55	ZZZZZZ	1		
19:56	ZZZZZZ	1		
19:57	ZZZZZZ	1		
19:58	GN62705-CCV4	1		
19:59	GN62705-CCB4	1		
20:00	ZZZZZZ	1		
20:01	ZZZZZZ	1		
20:02	ZZZZZZ	1		
20:03	JE1384-8A	1		(sample used for QC only; not part of login JE1536)
20:04	ZZZZZZ	1		
20:04	ZZZZZZ	1		
20:05	ZZZZZZ	1		
20:06	ZZZZZZ	1		
20:07	ZZZZZZ	1		
20:08	ZZZZZZ	1		
20:09	GN62705-CCV5	1		
20:10	GN62705-CCB5	1		
20:11	ZZZZZZ	1		
20:12	ZZZZZZ	1		
20:13	ZZZZZZ	1		
20:14	ZZZZZZ	1		
20:15	ZZZZZZ	1		
20:16	GP58097-MB1	1		
20:16	GP58097-B1	1		
20:17	GP58097-S1	1		
20:18	GP58097-S2	1		
20:19	GP58097-D1	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: E120224W1.CN Date Analyzed: 12/02/24 Methods: EPA 335.4/LACHAT, SW846 9012B/LACHAT
Analyst: SS Run ID: GN62705
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:20	GN62705-CCV6	1		
20:21	GN62705-CCB6	1		
20:22	ZZZZZZ	1		
20:23	JE1389-4A	1		(sample used for QC only; not part of login JE1536)
20:24	ZZZZZZ	1		
20:25	ZZZZZZ	1		
20:26	ZZZZZZ	1		
20:27	ZZZZZZ	1		
20:27	ZZZZZZ	1		
20:28	ZZZZZZ	1		
20:29	ZZZZZZ	1		
20:30	JE1493-7	1		(sample used for QC only; not part of login JE1536)
20:31	GN62705-CCV7	1		
20:32	GN62705-CCB7	1		
20:33	ZZZZZZ	1		
20:34	ZZZZZZ	1		
20:35	ZZZZZZ	1		
20:36	ZZZZZZ	1		
20:37	ZZZZZZ	1		
20:38	JE1536-1	1		
20:39	JE1536-2	1		
20:39	JE1536-3	1		
20:40	JE1536-4	1		
20:41	JE1536-5	1		
20:42	GN62705-CCV8	1		
20:43	GN62705-CCB8	1		
20:44	GP58098-MB1	1		
20:45	GP58098-B1	1		
20:46	GP58098-S1	1		
20:47	GP58098-D1	1		
20:48	ZZZZZZ	1		
20:49	ZZZZZZ	1		
20:50	JE1449-1	1		(sample used for QC only; not part of login JE1536)

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: E120224W1.CN Date Analyzed: 12/02/24 Methods: EPA 335.4/LACHAT, SW846 9012B/LACHAT
Analyst: SS Run ID: GN62705
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
21:01	GN62705-CCV9	1		
21:03	GN62705-CCB9	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: E120224W1.CN Date Analyzed: 12/02/24 Methods: EPA 335.4/LACHAT, SW846 9012B/LACHAT
Run ID: GN62705 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN62705-ICV1	Cyanide	0.281	0.010	0.0041	.3	93.7	90-110
GN62705-ICB1	Cyanide	0.0041 U	0.010	0.0041			
GN62705-CCV1	Cyanide	0.374	0.010	0.0041	.4	93.5	90-110
GN62705-CCB1	Cyanide	0.00681	0.010	0.0041			
GN62705-CCV2	Cyanide	0.360	0.010	0.0041	.4	90.0	90-110
GN62705-CCB2	Cyanide	0.00575	0.010	0.0041			
GN62705-CCV3	Cyanide	0.376	0.010	0.0041	.4	94.0	90-110
GN62705-CCB3	Cyanide	0.00414	0.010	0.0041			
GN62705-CCV4	Cyanide	0.379	0.010	0.0041	.4	94.8	90-110
GN62705-CCB4	Cyanide	-0.0110 <	0.010	0.0041			
GN62705-CCV5	Cyanide	0.378	0.010	0.0041	.4	94.5	90-110
GN62705-CCB5	Cyanide	-0.0115 <	0.010	0.0041			
GN62705-CCV6	Cyanide	0.378	0.010	0.0041	.4	94.5	90-110
GN62705-CCB6	Cyanide	-0.0124 <	0.010	0.0041			
GN62705-CCV7	Cyanide	0.376	0.010	0.0041	.4	94.0	90-110
GN62705-CCB7	Cyanide	-0.0122 <	0.010	0.0041			
GN62705-CCV8	Cyanide	0.378	0.010	0.0041	.4	94.5	90-110
GN62705-CCB8	Cyanide	-0.0123 <	0.010	0.0041			
GN62705-CCV9	Cyanide	0.405	0.010	0.0041	.4	101.3	90-110
GN62705-CCB9	Cyanide	-0.0111 <	0.010	0.0041			

(!) Outside of QC limits

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: D120524W1.CN Date Analyzed: 12/05/24 Methods: EPA 335.4/LACHAT, SW846 9012B/LACHAT
Analyst: JD Run ID: GN62854
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:16	GN62854-STD1	1		STDA
15:17	GN62854-STD2	1		STDB
15:18	GN62854-STD3	1		STDC
15:19	GN62854-STD4	1		STDD
15:20	GN62854-STD5	1		STDE
15:20	GN62854-STD6	1		STDF
15:21	GN62854-STD7	1		STDG
15:22	GN62854-ICV1	1		
15:23	GN62854-ICB1	1		
15:24	ZZZZZZ	1		
15:25	GN62854-CCV1	1		
15:26	GN62854-CCB1	1		
15:27	GP58145-MB1	1		
15:28	ZZZZZZ	1		
15:29	GP58145-S1	1		
15:30	GP58145-D1	1		
15:31	ZZZZZZ	1		
15:31	ZZZZZZ	1		
15:32	JE1746-1	1		(sample used for QC only; not part of login JE1536)
15:33	ZZZZZZ	1		
15:34	ZZZZZZ	1		
15:35	ZZZZZZ	1		
15:36	GN62854-CCV2	1		
15:37	GN62854-CCB2	1		
15:38	ZZZZZZ	1		
15:39	ZZZZZZ	1		
15:40	ZZZZZZ	1		
15:41	GP58144-MB1	1		
15:42	ZZZZZZ	1		
15:42	GP58144-S1	1		
15:43	GP58144-S2	1		
15:44	GP58144-D1	1		
15:45	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: D120524W1.CN Date Analyzed: 12/05/24 Methods: EPA 335.4/LACHAT, SW846 9012B/LACHAT
Analyst: JD Run ID: GN62854
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:46	ZZZZZZ	1		
15:47	GN62854-CCV3	1		
15:48	GN62854-CCB3	1		
15:49	ZZZZZZ	1		
15:50	ZZZZZZ	1		
15:51	GP58145-B1	1		
15:52	JE1536-6	1		
15:52	JE1536-7	1		
15:53	JE1536-8	1		
15:54	GP58144-B1	1		
15:55	ZZZZZZ	1		
15:56	JE1602-3	1		(sample used for QC only; not part of login JE1536)
15:57	ZZZZZZ	1		
15:58	GN62854-CCV4	1		
15:59	GN62854-CCB4	1		
16:00	ZZZZZZ	1		
16:01	ZZZZZZ	1		
16:02	ZZZZZZ	1		
16:03	ZZZZZZ	1		
16:03	ZZZZZZ	1		
16:04	ZZZZZZ	1		
16:05	ZZZZZZ	1		
16:06	ZZZZZZ	1		
16:07	ZZZZZZ	1		
16:08	GP58143-MB1	1		
16:09	GN62854-CCV5	1		
16:10	GN62854-CCB5	1		
16:11	GP58143-B1	1		
16:12	GP58143-S1	1		
16:13	GP58143-S2	1		
16:13	GP58143-D1	1		
16:14	JE1709-26B	1		(sample used for QC only; not part of login JE1536)
16:15	JE1709-27B	1		(sample used for QC only; not part of login JE1536)

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: D120524W1.CN Date Analyzed: 12/05/24 Methods: EPA 335.4/LACHAT, SW846 9012B/LACHAT
Analyst: JD Run ID: GN62854
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:16	ZZZZZZ	1		
16:17	ZZZZZZ	1		
16:18	ZZZZZZ	1		
16:19	ZZZZZZ	1		
16:20	GN62854-CCV6	1		
16:21	GN62854-CCB6	1		
16:22	ZZZZZZ	1		
16:23	ZZZZZZ	1		
16:23	ZZZZZZ	1		
16:24	ZZZZZZ	1		
16:25	ZZZZZZ	1		
16:26	ZZZZZZ	1		
16:27	ZZZZZZ	1		
16:28	ZZZZZZ	1		
16:29	ZZZZZZ	1		
16:30	ZZZZZZ	1		
16:31	GN62854-CCV7	1		
16:32	GN62854-CCB7	1		
16:33	ZZZZZZ	1		
16:34	ZZZZZZ	1		
16:34	ZZZZZZ	1		
16:35	ZZZZZZ	1		
16:42	GN62854-CCV8	1		
16:43	GN62854-CCB8	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: JE1536
Account: MTXFPNJ - Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

File ID: D120524W1.CN Date Analyzed: 12/05/24 Methods: EPA 335.4/LACHAT, SW846 9012B/LACHAT
Run ID: GN62854 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN62854-ICV1	Cyanide	0.314	0.010	0.0041	.3	104.7	90-110
GN62854-ICB1	Cyanide	-0.0128 <	0.010	0.0041			
GN62854-CCV1	Cyanide	0.391	0.010	0.0041	.4	97.8	90-110
GN62854-CCB1	Cyanide	-0.0105 <	0.010	0.0041			
GN62854-CCV2	Cyanide	0.388	0.010	0.0041	.4	97.0	90-110
GN62854-CCB2	Cyanide	-0.0109 <	0.010	0.0041			
GN62854-CCV3	Cyanide	0.390	0.010	0.0041	.4	97.5	90-110
GN62854-CCB3	Cyanide	-0.0104 <	0.010	0.0041			
GN62854-CCV4	Cyanide	0.390	0.010	0.0041	.4	97.5	90-110
GN62854-CCB4	Cyanide	-0.0110 <	0.010	0.0041			
GN62854-CCV5	Cyanide	0.391	0.010	0.0041	.4	97.8	90-110
GN62854-CCB5	Cyanide	-0.0103 <	0.010	0.0041			
GN62854-CCV6	Cyanide	0.393	0.010	0.0041	.4	98.3	90-110
GN62854-CCB6	Cyanide	-0.00900	0.010	0.0041			
GN62854-CCV7	Cyanide	0.393	0.010	0.0041	.4	98.3	90-110
GN62854-CCB7	Cyanide	-0.0100	0.010	0.0041			
GN62854-CCV8	Cyanide	0.392	0.010	0.0041	.4	98.0	90-110
GN62854-CCB8	Cyanide	-0.0101 <	0.010	0.0041			

(!) Outside of QC limits

Percent Solids Raw Data Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: JE1536-1 **Analyzed:** 04-DEC-24 by DP **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-29

Wet Weight (Total)	34.48	g
Tare Weight	26.4	g
Dry Weight (Total)	33.01	g
Solids, Percent	81.8	%

Sample: JE1536-2 **Analyzed:** 04-DEC-24 by DP **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-30

Wet Weight (Total)	28.02	g
Tare Weight	19.92	g
Dry Weight (Total)	27.33	g
Solids, Percent	91.5	%

Sample: JE1536-3 **Analyzed:** 04-DEC-24 by DP **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-31

Wet Weight (Total)	36.51	g
Tare Weight	27.6	g
Dry Weight (Total)	34.88	g
Solids, Percent	81.7	%

Sample: JE1536-4 **Analyzed:** 04-DEC-24 by DP **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-32

Wet Weight (Total)	32.78	g
Tare Weight	24.54	g
Dry Weight (Total)	31.95	g
Solids, Percent	89.9	%

Sample: JE1536-5 **Analyzed:** 04-DEC-24 by DP **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-33

Wet Weight (Total)	39.74	g
Tare Weight	33.53	g
Dry Weight (Total)	39.35	g
Solids, Percent	93.7	%

Sample: JE1536-6 **Analyzed:** 04-DEC-24 by DP **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-34

Wet Weight (Total)	38.47	g
Tare Weight	30.49	g
Dry Weight (Total)	37.85	g
Solids, Percent	92.2	%

Percent Solids Raw Data Summary

Job Number: JE1536
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: JE1536-7 **Analyzed:** 04-DEC-24 by DP **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-35

Wet Weight (Total)	33.14	g
Tare Weight	26.4	g
Dry Weight (Total)	32.49	g
Solids, Percent	90.4	%

Sample: JE1536-8 **Analyzed:** 04-DEC-24 by DP **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-36

Wet Weight (Total)	31.22	g
Tare Weight	24.31	g
Dry Weight (Total)	30.59	g
Solids, Percent	90.9	%

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Matrix New World Engineering, Inc.

Ridgewood Berm Sampling, Ridgewood, NJ

23-1429

SGS Job Number: JE1542

Sampling Date: 11/26/24

Report to:

Matrix New World Engineering, Inc.
26 Columbia Turnpike
Florham Park, NJ 07932
mfeury@mnwe.com

ATTN: Melissa Feury

Total number of pages in report: **403**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

Olga Azarian
Technical Director

Client Service contact: Tammy McCloskey 732-329-0200
Certifications: NJ(12129), NY(10983), CA, CO, CT, FL, HI, IL, IN, KY, LA (120428), MA, MD, ME, MN, NC, NH, NV, AK (UST-103), AZ (AZ0786), PA(68-00408), RI, SC, TX (T104704234), UT, VA, WA, WV

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SGS North America Inc.

Sample Summary

Matrix New World Engineering, Inc.

Job No: JE1542

Ridgewood Berm Sampling, Ridgewood, NJ
Project No: 23-1429

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
This report contains results reported as ND = Not detected. The following applies: Organics ND = Not detected above the MDL							
JE1542-1	11/26/24	10:05	DC	11/26/24	SO	Soil	GRID-20R
JE1542-1R	11/26/24	10:05	DC	11/26/24	SO	Soil	GRID-20R
JE1542-2	11/26/24	10:07	DC	11/26/24	SO	Soil	GRID-20(2.0-2.5)
JE1542-3	11/26/24	10:10	DC	11/26/24	SO	Soil	GRID-20(2.5-3.0)
JE1542-3T	11/26/24	10:10	DC	11/26/24	SO	Soil	GRID-20(2.5-3.0)
JE1542-4	11/26/24	10:30	DC	11/26/24	SO	Soil	GRID-20-N1
JE1542-5	11/26/24	10:35	DC	11/26/24	SO	Soil	GRID-20-N2
JE1542-5T	11/26/24	10:35	DC	11/26/24	SO	Soil	GRID-20-N2
JE1542-6	11/26/24	10:20	DC	11/26/24	SO	Soil	GRID-20-S1
JE1542-7	11/26/24	10:25	DC	11/26/24	SO	Soil	GRID-20-S2
JE1542-7T	11/26/24	10:25	DC	11/26/24	SO	Soil	GRID-20-S2
JE1542-8	11/26/24	10:00	DC	11/26/24	SO	Soil	GRID-20-E1

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

Matrix New World Engineering, Inc.

Job No: JE1542

Ridgewood Berm Sampling, Ridgewood, NJ
Project No: 23-1429

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JE1542-9	11/26/24	09:55	DC	11/26/24	SO	Soil	GRID-20-E2
JE1542-9T	11/26/24	09:55	DC	11/26/24	SO	Soil	GRID-20-E2
JE1542-10	11/26/24	10:12	DC	11/26/24	SO	Soil	GRID-20-W1
JE1542-11	11/26/24	10:15	DC	11/26/24	SO	Soil	GRID-20-W2
JE1542-11T	11/26/24	10:15	DC	11/26/24	SO	Soil	GRID-20-W2
JE1542-12	11/26/24	10:13	DC	11/26/24	SO	Soil	DUP-4

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Matrix New World Engineering, Inc.	**Job No:**	JE1542
Site:	Ridgewood Berm Sampling, Ridgewood, NJ	**Report Date**	12/23/2024 4:29:20 P

On 11/26/2024, 12 sample(s), 0 Trip Blank(s), 0 Equip. Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. (SGS) at a temperature of 2.7 °C. The samples were intact and properly preserved, unless noted below. An SGS Job Number of JE1542 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Semi-volatiles By Method SW846 8270E

Matrix: SO **Batch ID:** OP59876

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- Sample(s) JE1536-4MS, JE1536-4MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Matrix: SO **Batch ID:** OP60221

- Sample(s) JE2333-9MS, JE2333-9MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- The matrix spike (MS) recovery(s) of Benzo(a)anthracene, Benzo(a)pyrene are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- The matrix spike duplicate (MSD) recovery(s) of Benzo(a)anthracene, Benzo(a)pyrene are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- JE1542-9T: Sample extracted outside the holding time.
- JE1542-7T: Sample extracted outside the holding time.
- JE1542-5T: Sample extracted outside the holding time.
- JE1542-3T: Sample extracted outside the holding time.
- JE1542-11T: Sample extracted outside the holding time.

GC/LC Semi-volatiles By Method SW846 8081B

Matrix: SO **Batch ID:** OP59854

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- Sample(s) JE1510-1MS, JE1510-1MSD, OP59854-MSMSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- The matrix spike (MS) recovery(s) of 4,4'-DDT, Endosulfan sulfate, Endrin ketone, gamma-Chlordane, Methoxychlor are outside control limits. Outside of in house control limits
- The matrix spike duplicate (MSD) recovery(s) of 4,4'-DDD, 4,4'-DDT, alpha-Chlordane, Chlordane (alpha and gamma), Endosulfan sulfate, Endrin aldehyde, gamma-Chlordane, Heptachlor epoxide, Methoxychlor are outside control limits. Outside of in house control limits
- The RPD(s) for the MS and MSD recoveries of Heptachlor are outside control limits for sample OP59854-MSD. Analytical precision exceeds in-house control limits.
- JE1542-1R for 4,4'-DDE: More than 40 % RPD for detected concentrations between the two GC columns.
- JE1542-1R for 4,4'-DDT: Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only. More than 40 % RPD for detected concentrations between the two GC columns.
- OP59854-BS1 for Methoxychlor: Outside of in house control limits.
- OP59854-MS for Decachlorobiphenyl: Outside of in house control limits.
- OP59854-MSD for Decachlorobiphenyl: Outside of in house control limits.
- JE1542-1R for Methoxychlor: Associated CCV outside of control limits high, sample was ND.
- JE1542-1R for Decachlorobiphenyl: Outside of in house control limits.

General Chemistry By Method SM2540 G 18TH ED MOD

Matrix: SO **Batch ID:** GN62775

- Sample(s) JE1536-1DUP were used as the QC samples for the Solids, Percent analysis.

SGS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting SGS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by SGS indicated via signature on the report cover.

Summary of Hits

Job Number: JE1542
Account: Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Collected: 11/26/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JE1542-1	**GRID-20R**					
No hits reported in this sample.						
JE1542-1R	**GRID-20R**					
alpha-Chlordane		0.00058	0.00046	0.000062	mg/kg	SW846 8081B
gamma-Chlordane		0.0012	0.00046	0.000069	mg/kg	SW846 8081B
Chlordane (alpha and gamma)		0.0018	0.00046	0.000062	mg/kg	SW846 8081B
4,4'-DDE [a]		0.0015	0.00046	0.000055	mg/kg	SW846 8081B
4,4'-DDT [b]		0.0101	0.00046	0.000081	mg/kg	SW846 8081B
Endosulfan-I		0.00094	0.00046	0.000062	mg/kg	SW846 8081B
JE1542-2	**GRID-20(2.0-2.5)**					
Benzo(a)anthracene		2.52	0.039	0.011	mg/kg	SW846 8270E
Benzo(a)pyrene		2.82	0.039	0.018	mg/kg	SW846 8270E
JE1542-3	**GRID-20(2.5-3.0)**					
No hits reported in this sample.						
JE1542-3T	**GRID-20(2.5-3.0)**					
Benzo(a)pyrene [c]		2.63	0.038	0.017	mg/kg	SW846 8270E
JE1542-4	**GRID-20-N1**					
Benzo(a)anthracene		7.65	0.37	0.10	mg/kg	SW846 8270E
Benzo(a)pyrene		9.26	0.37	0.17	mg/kg	SW846 8270E
JE1542-5	**GRID-20-N2**					
No hits reported in this sample.						
JE1542-5T	**GRID-20-N2**					
Benzo(a)anthracene [c]		1.19	0.034	0.0096	mg/kg	SW846 8270E
Benzo(a)pyrene [c]		1.52	0.034	0.016	mg/kg	SW846 8270E
JE1542-6	**GRID-20-S1**					
Benzo(a)anthracene		5.44	0.18	0.052	mg/kg	SW846 8270E
Benzo(a)pyrene		6.22	0.18	0.084	mg/kg	SW846 8270E

Summary of Hits

Job Number: JE1542
Account: Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Collected: 11/26/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JE1542-7	**GRID-20-S2**					
No hits reported in this sample.						
JE1542-7T	**GRID-20-S2**					
Benzo(a)anthracene [c]		0.785	0.036	0.010	mg/kg	SW846 8270E
Benzo(a)pyrene [c]		0.868	0.036	0.016	mg/kg	SW846 8270E
JE1542-8	**GRID-20-E1**					
Benzo(a)anthracene		2.35	0.036	0.010	mg/kg	SW846 8270E
Benzo(a)pyrene		2.50	0.036	0.017	mg/kg	SW846 8270E
JE1542-9	**GRID-20-E2**					
No hits reported in this sample.						
JE1542-9T	**GRID-20-E2**					
Benzo(a)pyrene [c]		1.73	0.036	0.016	mg/kg	SW846 8270E
JE1542-10	**GRID-20-W1**					
Benzo(a)anthracene		6.74	0.18	0.050	mg/kg	SW846 8270E
Benzo(a)pyrene		7.52	0.18	0.081	mg/kg	SW846 8270E
JE1542-11	**GRID-20-W2**					
No hits reported in this sample.						
JE1542-11T	**GRID-20-W2**					
Benzo(a)anthracene [c]		0.708	0.037	0.010	mg/kg	SW846 8270E
Benzo(a)pyrene [c]		0.817	0.037	0.017	mg/kg	SW846 8270E
JE1542-12	**DUP-4**					
Benzo(a)anthracene		4.75	0.18	0.050	mg/kg	SW846 8270E
Benzo(a)pyrene		5.50	0.18	0.081	mg/kg	SW846 8270E

(a) More than 40 % RPD for detected concentrations between the two GC columns.
(b) Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only. More than 40 % RPD for detected concentrations between the two GC columns.
(c) Sample extracted outside the holding time.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	GRID-20R		
Lab Sample ID:	JE1542-1	**Date Sampled:**	11/26/24
Matrix:	SO - Soil	**Date Received:**	11/26/24
		Percent Solids:	85.9
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	85.9		%	1	12/04/24 14:42	DP	SM2540 G 18TH ED MOD

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	GRID-20R		
Lab Sample ID:	JE1542-1R	**Date Sampled:**	11/26/24
Matrix:	SO - Soil	**Date Received:**	11/26/24
Method:	SW846 8081B SW846 3570	**Percent Solids:**	85.9
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4G9742108.D	1	12/07/24 16:39	RK	12/06/24 08:10	OP59854	G4G4521
Run #2							

	Initial Weight	Final Volume
Run #1	5.1 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.00046	0.000090	mg/kg	
319-84-6	alpha-BHC	ND	0.00046	0.000053	mg/kg	
319-85-7	beta-BHC	ND	0.00046	0.000067	mg/kg	
319-86-8	delta-BHC	ND	0.00046	0.000069	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.00046	0.000081	mg/kg	
5103-71-9	alpha-Chlordane	0.00058	0.00046	0.000062	mg/kg	
5103-74-2	gamma-Chlordane	0.0012	0.00046	0.000069	mg/kg	
57-74-9	Chlordane (alpha and gamma)	0.0018	0.00046	0.000062	mg/kg	
60-57-1	Dieldrin	ND	0.00046	0.000074	mg/kg	
72-54-8	4,4'-DDD	ND	0.00046	0.000048	mg/kg	
72-55-9	4,4'-DDE [a]	0.0015	0.00046	0.000055	mg/kg	
50-29-3	4,4'-DDT [b]	0.0101	0.00046	0.000081	mg/kg	
72-20-8	Endrin	ND	0.00046	0.000067	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.00046	0.000055	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00046	0.00013	mg/kg	
959-98-8	Endosulfan-I	0.00094	0.00046	0.000062	mg/kg	
33213-65-9	Endosulfan-II	ND	0.00046	0.000064	mg/kg	
76-44-8	Heptachlor	ND	0.00046	0.000060	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.00046	0.000083	mg/kg	
72-43-5	Methoxychlor [c]	ND	0.00046	0.00018	mg/kg	
53494-70-5	Endrin ketone	ND	0.00046	0.000074	mg/kg	
8001-35-2	Toxaphene	ND	0.0058	0.0038	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	104%		46-145%
877-09-8	Tetrachloro-m-xylene	109%		46-145%
2051-24-3	Decachlorobiphenyl	197% [d]		29-163%
2051-24-3	Decachlorobiphenyl	188% [d]		29-163%

(a) More than 40 % RPD for detected concentrations between the two GC columns.
(b) Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GRID-20R		
Lab Sample ID:	JE1542-1R	**Date Sampled:**	11/26/24
Matrix:	SO - Soil	**Date Received:**	11/26/24
Method:	SW846 8081B SW846 3570	**Percent Solids:**	85.9
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q

being used for confirmation only. More than 40 % RPD for detected concentrations between the two GC columns.
(c) Associated CCV outside of control limits high, sample was ND.
(d) Outside of in house control limits.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: GRID-20(2.0-2.5)
Lab Sample ID: JE1542-2
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/26/24
Date Received: 11/26/24
Percent Solids: 86.2

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4P694159.D	1	12/06/24 19:04	KH	12/06/24 11:00	OP59876	E4P3703
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
56-55-3	Benzo(a)anthracene	2.52	0.039	0.011	mg/kg	
50-32-8	Benzo(a)pyrene	2.82	0.039	0.018	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	48%		10-109%
321-60-8	2-Fluorobiphenyl	56%		11-109%
1718-51-0	Terphenyl-d14	52%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GRID-20(2.5-3.0)		
Lab Sample ID:	JE1542-3	**Date Sampled:**	11/26/24
Matrix:	SO - Soil	**Date Received:**	11/26/24
		Percent Solids:	88.4
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	88.4		%	1	12/04/24 14:42	DP	SM2540 G 18TH ED MOD

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID: GRID-20(2.5-3.0)
Lab Sample ID: JE1542-3T
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/26/24
Date Received: 11/26/24
Percent Solids: 88.4

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6P519553.D	1	12/17/24 16:36	AO	12/16/24 18:40	OP60221	E6P4336
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
50-32-8	Benzo(a)pyrene	2.63	0.038	0.017	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	55%		10-109%
321-60-8	2-Fluorobiphenyl	73%		11-109%
1718-51-0	Terphenyl-d14	60%		10-120%

(a) Sample extracted outside the holding time.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: GRID-20-N1
Lab Sample ID: JE1542-4
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/26/24
Date Received: 11/26/24
Percent Solids: 89.6

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4P694160.D	1	12/06/24 19:27	KH	12/06/24 11:00	OP59876	E4P3703
Run #2	CT10201.D	10	12/09/24 12:49	KH	12/06/24 11:00	OP59876	ECT471

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2	30.2 g	1.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
56-55-3	Benzo(a)anthracene	7.65 [a]	0.37	0.10	mg/kg	
50-32-8	Benzo(a)pyrene	9.26 [a]	0.37	0.17	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	63%	64%	10-109%
321-60-8	2-Fluorobiphenyl	67%	78%	11-109%
1718-51-0	Terphenyl-d14	61%	69%	10-120%

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GRID-20-N2		
Lab Sample ID:	JE1542-5	**Date Sampled:**	11/26/24
Matrix:	SO - Soil	**Date Received:**	11/26/24
		Percent Solids:	93.4
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	93.4		%	1	12/04/24 14:42	DP	SM2540 G 18TH ED MOD

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	GRID-20-N2		
Lab Sample ID:	JE1542-5T	**Date Sampled:**	11/26/24
Matrix:	SO - Soil	**Date Received:**	11/26/24
Method:	SW846 8270E SW846 3546	**Percent Solids:**	93.4
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6P519554.D	1	12/17/24 16:56	AO	12/16/24 18:40	OP60221	E6P4336
Run #2							

	Initial Weight	Final Volume
Run #1	31.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
56-55-3	Benzo(a)anthracene	1.19	0.034	0.0096	mg/kg	
50-32-8	Benzo(a)pyrene	1.52	0.034	0.016	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	68%		10-109%
321-60-8	2-Fluorobiphenyl	62%		11-109%
1718-51-0	Terphenyl-d14	76%		10-120%

(a) Sample extracted outside the holding time.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: GRID-20-S1
Lab Sample ID: JE1542-6
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/26/24
Date Received: 11/26/24
Percent Solids: 89.9

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4P694161.D	1	12/06/24 19:51	KH	12/06/24 11:00	OP59876	E4P3703
Run #2	CT10202.D	5	12/09/24 13:07	KH	12/06/24 11:00	OP59876	ECT471

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2	30.2 g	1.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
56-55-3	Benzo(a)anthracene	5.44 [a]	0.18	0.052	mg/kg	
50-32-8	Benzo(a)pyrene	6.22 [a]	0.18	0.084	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	56%	53%	10-109%
321-60-8	2-Fluorobiphenyl	57%	64%	11-109%
1718-51-0	Terphenyl-d14	49%	60%	10-120%

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GRID-20-S2		
Lab Sample ID:	JE1542-7	**Date Sampled:**	11/26/24
Matrix:	SO - Soil	**Date Received:**	11/26/24
		Percent Solids:	91.6
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	91.6		%	1	12/04/24 14:42	DP	SM2540 G 18TH ED MOD

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	GRID-20-S2		
Lab Sample ID:	JE1542-7T	**Date Sampled:**	11/26/24
Matrix:	SO - Soil	**Date Received:**	11/26/24
Method:	SW846 8270E SW846 3546	**Percent Solids:**	91.6
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6P519555.D	1	12/17/24 17:16	AO	12/16/24 18:40	OP60221	E6P4336
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
56-55-3	Benzo(a)anthracene	0.785	0.036	0.010	mg/kg	
50-32-8	Benzo(a)pyrene	0.868	0.036	0.016	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	66%		10-109%
321-60-8	2-Fluorobiphenyl	72%		11-109%
1718-51-0	Terphenyl-d14	74%		10-120%

(a) Sample extracted outside the holding time.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	GRID-20-E1		
Lab Sample ID:	JE1542-8	**Date Sampled:**	11/26/24
Matrix:	SO - Soil	**Date Received:**	11/26/24
Method:	SW846 8270E SW846 3546	**Percent Solids:**	91.6
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4P694162.D	1	12/06/24 20:14	KH	12/06/24 11:00	OP59876	E4P3703
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
56-55-3	Benzo(a)anthracene	2.35	0.036	0.010	mg/kg	
50-32-8	Benzo(a)pyrene	2.50	0.036	0.017	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	65%		10-109%
321-60-8	2-Fluorobiphenyl	68%		11-109%
1718-51-0	Terphenyl-d14	63%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GRID-20-E2		
Lab Sample ID:	JE1542-9	**Date Sampled:**	11/26/24
Matrix:	SO - Soil	**Date Received:**	11/26/24
		Percent Solids:	91.3
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	91.3		%	1	12/04/24 14:42	DP	SM2540 G 18TH ED MOD

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	GRID-20-E2		
Lab Sample ID:	JE1542-9T	**Date Sampled:**	11/26/24
Matrix:	SO - Soil	**Date Received:**	11/26/24
Method:	SW846 8270E SW846 3546	**Percent Solids:**	91.3
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6P519556.D	1	12/17/24 17:37	AO	12/16/24 18:40	OP60221	E6P4336
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
50-32-8	Benzo(a)pyrene	1.73	0.036	0.016	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	49%		10-109%
321-60-8	2-Fluorobiphenyl	68%		11-109%
1718-51-0	Terphenyl-d14	66%		10-120%

(a) Sample extracted outside the holding time.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: GRID-20-W1
Lab Sample ID: JE1542-10
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/26/24
Date Received: 11/26/24
Percent Solids: 93.6

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4P694163.D	1	12/06/24 20:38	KH	12/06/24 11:00	OP59876	E4P3703
Run #2	CT10203.D	5	12/09/24 13:26	KH	12/06/24 11:00	OP59876	ECT471

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2	30.0 g	1.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
56-55-3	Benzo(a)anthracene	6.74 [a]	0.18	0.050	mg/kg	
50-32-8	Benzo(a)pyrene	7.52 [a]	0.18	0.081	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	72%	74%	10-109%
321-60-8	2-Fluorobiphenyl	74%	88%	11-109%
1718-51-0	Terphenyl-d14	67%	75%	10-120%

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GRID-20-W2		
Lab Sample ID:	JE1542-11	**Date Sampled:**	11/26/24
Matrix:	SO - Soil	**Date Received:**	11/26/24
		Percent Solids:	88.2
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	88.2		%	1	12/04/24 14:42	DP	SM2540 G 18TH ED MOD

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	GRID-20-W2		
Lab Sample ID:	JE1542-11T	**Date Sampled:**	11/26/24
Matrix:	SO - Soil	**Date Received:**	11/26/24
Method:	SW846 8270E SW846 3546	**Percent Solids:**	88.2
Project:	Ridgewood Berm Sampling, Ridgewood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6P519557.D	1	12/17/24 17:57	AO	12/16/24 18:40	OP60221	E6P4336
Run #2							

	Initial Weight	Final Volume
Run #1	30.8 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
56-55-3	Benzo(a)anthracene	0.708	0.037	0.010	mg/kg	
50-32-8	Benzo(a)pyrene	0.817	0.037	0.017	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	52%		10-109%
321-60-8	2-Fluorobiphenyl	66%		11-109%
1718-51-0	Terphenyl-d14	73%		10-120%

(a) Sample extracted outside the holding time.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: DUP-4
Lab Sample ID: JE1542-12
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Date Sampled: 11/26/24
Date Received: 11/26/24
Percent Solids: 93.2

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4P694164.D	1	12/06/24 21:02	KH	12/06/24 11:00	OP59876	E4P3703
Run #2	CT10204.D	5	12/09/24 13:44	KH	12/06/24 11:00	OP59876	ECT471

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2	30.2 g	1.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
56-55-3	Benzo(a)anthracene	4.75 [a]	0.18	0.050	mg/kg	
50-32-8	Benzo(a)pyrene	5.50 [a]	0.18	0.081	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	65%	63%	10-109%
321-60-8	2-Fluorobiphenyl	70%	77%	11-109%
1718-51-0	Terphenyl-d14	63%	70%	10-120%

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

Page 1 of 1

FED-EX Tracking #:
Bottle Order Control #: None
SGS Quote #:
SGS Job #: JE1542

Client / Reporting Information
Company Name: Matrix New World Engineering
Street Address: 26 Columbia Turnpike
City: Florham Park State: NJ Zip: 07932
Project Contact: Melissa Fevry E-mail: mfevry@mnwe.com
Phone #: 973-240-1800
Sampler(s) Name(s): Daniel Cavallo Phone #: 973-865-3808

Project Information
Project Name: Ridgewood - Schedler Property
Street: 160 W Saddle River Rd
City: Ridgewood State: NJ
Project #: 23-1429
Client Purchase Order #: 2024 3716
Project Manager: Melissa Fevry

Billing Information (if different from Report to)
Company Name:
Street Address: SAME
City: State: Zip:
Attention:

Analysis Requested
Benzo (a) pyrene
Benzo (a) anthracene
TCL Pesticides w/ Matrix spike

Matrix Codes
DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB-Equipment Blank
RB - Rinse Blank
TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)	Benzo (a) pyrene	Benzo (a) anthracene	TCL Pesticides w/ Matrix spike	LAB USE ONLY
1	Grid-20 R		11/26/24	1005	DC	G		Soil	1					1							H	
2	Grid-20 (20-2.5)			1007					1					1					X	X		
3	Grid-20 (2.5-3.0)			1010					1					1					H	H		
4	Grid-20-N1			1030					1					1					X	X		
5	Grid-20-N2			1035					1					1					H	H		
6	Grid-20-S1			1020					1					1					X	X		
7	Grid-20-S2			1025					1					1					H	H		
8	Grid-20-E1			1000					1					1					X	X		
9	Grid-20-E2			0955					1					1					H	H		
10	Grid-20-W1			1012					1					1					X	X		
11	Grid-20-W2			1015					1					1					H	H		
12	DUP-4			1013					1					1					X	X		

Turn Around Time (Business Days)
- [ ] 10 Business Days
- [X] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

Approved By (SGS PM) / Date: Standard
All data available via SGS Engage
* Approval needed for 1-3 BD TAT

Deliverable
- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [X] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [ ] EDD Format

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

SGS COURIER

Comments / Special Instructions
X = Run
H = Extract + Hold

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by:	Date / Time:	Received By:
1	D Cavallo	11/26/24	1 M. Dhy
2	M. Dhy	11/26 4PM	2 [signature] 11/26 19:42
3			3
4			4
5			5

Custody Seal #: Intact / Not Intact / Absent
Therm ID: IR50 On Ice
See Sample Receipt Summary
Cooler Temp. °C: 2.3, 2.4, 1.8

EHSA-QAC-0023-06 Rev.Date:9/24/2024

5.1 5

SGS Sample Receipt Summary

Job Number: JE1542 **Client:** _____ **Project:** _____

Date / Time Received: 11/26/2024 4:00:00 PM **Delivery Method:** _____ **Airbill #'s:** _____

Cooler Temps (Raw Measured) °C: Cooler 1: (2.3);

Cooler Temps (Corrected) °C: Cooler 1: (2.7);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR-50		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservatio	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify) _____ _____

Comments

SM089-03
Rev. Date 12/7/17

Job Change Order: JE1542

Requested Date:	11/27/2024	**Received Date:**	11/26/2024
Account Name:	Matrix New World Engineering, In	**Due Date:**	11/27/2024
Project Description:	Ridgewood Berm Sampling, Ridgewood, NJ	**Deliverable:**	REDT2
C/O Initiated By:	LOUIE_DEV **PM:** TM	**TAT (Days):**	13

Sample #: JE1542-1 **Dept:**

Client ID: GRID-20R **TAT:** 13

Change: Sample off HOLD for P8081PESTTCLAO

Above Changes Per: Melissa Feury **Date/Time:** 11/27/2024

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

JE1542: Chain of Custody
Page 3 of 4

Job Change Order: JE1542

Requested Date:	12/11/2024	**Received Date:**	11/26/2024
Account Name:	Matrix New World Engineering, In	**Due Date:**	12/11/2024
Project Description:	Ridgewood Berm Sampling, Ridgewood, NJ	**Deliverable:**	REDT2
C/O Initiated By:	LOUIE_DEV **PM:** TM	**TAT (Days):**	6

==========

Sample #: JE1542-3, 9 **Dept:**

Client ID: **TAT:** 6

Change: Sample off HOLD for B8270BAPYRNAO

==========

Sample #: JE1542-5, 7, 11 **Dept:**

Client ID: **TAT:** 6

Change: Sample off HOLD for B8270BAPYRNAO, BMS+BANTH

Above Changes Per: Melissa Feury **Date/Time:** 12/11/2024

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

Internal Sample Tracking Chronicle

Matrix New World Engineering, Inc.

Job No: JE1542

Ridgewood Berm Sampling, Ridgewood, NJ
Project No: 23-1429

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JE1542-1	Collected: 26-NOV-24 10:05 By: DC		Received: 26-NOV-24		By: DG	
GRID-20R						
JE1542-1	SM2540 G 18TH ED MOD	09-DEC-24 14:42	DP			SOL104
JE1542-2	Collected: 26-NOV-24 10:07 By: DC		Received: 26-NOV-24		By: DG	
GRID-20(2.0-2.5)						
JE1542-2	SM2540 G 18TH ED MOD	09-DEC-24 14:42	DP			SOL104
JE1542-2	SW846 8270E	06-DEC-24 19:04	KH	06-DEC-24	KB	B8270BAPYRN,BMS+ BANTH
JE1542-3	Collected: 26-NOV-24 10:10 By: DC		Received: 26-NOV-24		By: DG	
GRID-20(2.5-3.0)						
JE1542-3	SM2540 G 18TH ED MOD	09-DEC-24 14:42	DP			SOL104
JE1542-4	Collected: 26-NOV-24 10:30 By: DC		Received: 26-NOV-24		By: DG	
GRID-20-N1						
JE1542-4	SM2540 G 18TH ED MOD	09-DEC-24 14:42	DP			SOL104
JE1542-4	SW846 8270E	06-DEC-24 19:27	KH	06-DEC-24		
JE1542-4	SW846 8270E	09-DEC-24 12:49	KH	06-DEC-24	KB	B8270BAPYRN,BMS+ BANTH
JE1542-5	Collected: 26-NOV-24 10:35 By: DC		Received: 26-NOV-24		By: DG	
GRID-20-N2						
JE1542-5	SM2540 G 18TH ED MOD	09-DEC-24 14:42	DP			SOL104
JE1542-6	Collected: 26-NOV-24 10:20 By: DC		Received: 26-NOV-24		By: DG	
GRID-20-S1						
JE1542-6	SM2540 G 18TH ED MOD	09-DEC-24 14:42	DP			SOL104
JE1542-6	SW846 8270E	06-DEC-24 19:51	KH	06-DEC-24		
JE1542-6	SW846 8270E	09-DEC-24 13:07	KH	06-DEC-24	KB	B8270BAPYRN,BMS+ BANTH
JE1542-7	Collected: 26-NOV-24 10:25 By: DC		Received: 26-NOV-24		By: DG	
GRID-20-S2						
JE1542-7	SM2540 G 18TH ED MOD	09-DEC-24 14:42	DP			SOL104

Internal Sample Tracking Chronicle

Matrix New World Engineering, Inc.

Job No: JE1542

Ridgewood Berm Sampling, Ridgewood, NJ
Project No: 23-1429

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JE1542-8	Collected: 26-NOV-24 10:00 By: DC			Received: 26-NOV-24	By: DG	
GRID-20-E1						
JE1542-8	SM2540 G 18TH ED MOD	09-DEC-24 14:42	DP			SOL104
JE1542-8	SW846 8270E	06-DEC-24 20:14	KH	06-DEC-24	KB	B8270BAPYRN,BMS+ BANTH
JE1542-9	Collected: 26-NOV-24 09:55 By: DC			Received: 26-NOV-24	By: DG	
GRID-20-E2						
JE1542-9	SM2540 G 18TH ED MOD	09-DEC-24 14:42	DP			SOL104
JE1542-10	Collected: 26-NOV-24 10:12 By: DC			Received: 26-NOV-24	By: DG	
GRID-20-W1						
JE1542-10	SM2540 G 18TH ED MOD	09-DEC-24 14:42	DP			SOL104
JE1542-10	SW846 8270E	06-DEC-24 20:38	KH	06-DEC-24		
JE1542-10	SW846 8270E	09-DEC-24 13:26	KH	06-DEC-24	KB	B8270BAPYRN,BMS+ BANTH
JE1542-11	Collected: 26-NOV-24 10:15 By: DC			Received: 26-NOV-24	By: DG	
GRID-20-W2						
JE1542-11	SM2540 G 18TH ED MOD	09-DEC-24 14:42	DP			SOL104
JE1542-12	Collected: 26-NOV-24 10:13 By: DC			Received: 26-NOV-24	By: DG	
DUP-4						
JE1542-12	SM2540 G 18TH ED MOD	09-DEC-24 14:42	DP			SOL104
JE1542-12	SW846 8270E	06-DEC-24 21:02	KH	06-DEC-24		
JE1542-12	SW846 8270E	09-DEC-24 13:44	KH	06-DEC-24	KB	B8270BAPYRN,BMS+ BANTH
JE1542-1R	Collected: 26-NOV-24 10:05 By: DC			Received: 26-NOV-24	By: DG	
GRID-20R						
JE1542-1R	SW846 8081B	07-DEC-24 16:39	RK	06-DEC-24	DF	P8081PESTTCLAO
JE1542-3T	Collected: 26-NOV-24 10:10 By: DC			Received: 26-NOV-24	By: DG	
GRID-20(2.5-3.0)						
JE1542-3T	SW846 8270E	17-DEC-24 16:36	AO	16-DEC-24	KB	B8270BAPYRNAO

Internal Sample Tracking Chronicle

Matrix New World Engineering, Inc.

Job No: JE1542

Ridgewood Berm Sampling, Ridgewood, NJ
Project No: 23-1429

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JE1542-5T	Collected: 26-NOV-24 10:35 By: DC GRID-20-N2			Received: 26-NOV-24	By: DG	
JE1542-5T	SW846 8270E	17-DEC-24 16:56	AO	16-DEC-24	KB	B8270BAPYRNAO,BMS+ BANTH
JE1542-7T	Collected: 26-NOV-24 10:25 By: DC GRID-20-S2			Received: 26-NOV-24	By: DG	
JE1542-7T	SW846 8270E	17-DEC-24 17:16	AO	16-DEC-24	KB	B8270BAPYRNAO,BMS+ BANTH
JE1542-9T	Collected: 26-NOV-24 09:55 By: DC GRID-20-E2			Received: 26-NOV-24	By: DG	
JE1542-9T	SW846 8270E	17-DEC-24 17:37	AO	16-DEC-24	KB	B8270BAPYRNAO
JE1542-11T	Collected: 26-NOV-24 10:15 By: DC GRID-20-W2			Received: 26-NOV-24	By: DG	
JE1542-11T	SW846 8270E	17-DEC-24 17:57	AO	16-DEC-24	KB	B8270BAPYRNAO,BMS+ BANTH

SGS Internal Chain of Custody

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Received: 11/26/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE1542-1.1	Joe Waddington	Secured Storage	11/27/24 15:14	Return to Storage
JE1542-1.1	Secured Storage	Todd Shoemaker	12/04/24 13:50	Retrieve from Storage
JE1542-1.1	Todd Shoemaker	Secured Staging Area	12/04/24 13:50	Return to Storage
JE1542-1.1	Secured Staging Area	Dhaval Patel	12/04/24 14:33	Retrieve from Storage
JE1542-1.1	Secured Storage	Aleandi Rodriguez	12/04/24 21:15	Retrieve from Storage
stage				
JE1542-1.1	Aleandi Rodriguez	Secured Staging Area	12/04/24 21:15	Return to Storage
JE1542-1.1	Secured Staging Area	Odalis Rodriguez	12/05/24 06:44	Retrieve from Storage
JE1542-1.1	Odalis Rodriguez	Ellen Dondeo	12/05/24 15:03	Custody Transfer
JE1542-1.1	Ellen Dondeo	Secured Storage	12/06/24 06:37	Return to Storage
JE1542-1.1.1	Odalis Rodriguez	Organics Prep	12/05/24 07:37	Extract from JE1542-1.1
JE1542-1.1.1	Organics Prep	Daniela Frey	12/06/24 16:45	Extract from JE1542-1.1
JE1542-1.1.1	Daniela Frey	Extract Storage	12/06/24 16:45	Return to Storage
JE1542-1.1.1	Extract Storage	Rebecca Krug	12/07/24 06:35	Retrieve from Storage
JE1542-1.1.1	Rebecca Krug	GC4G	12/07/24 06:35	Load on Instrument
JE1542-2.1	Joe Waddington	Secured Storage	11/27/24 15:14	Return to Storage
JE1542-2.1	Secured Storage	Todd Shoemaker	12/04/24 13:50	Retrieve from Storage
JE1542-2.1	Todd Shoemaker	Secured Staging Area	12/04/24 13:50	Return to Storage
JE1542-2.1	Secured Staging Area	Dhaval Patel	12/04/24 14:33	Retrieve from Storage
JE1542-2.1	Secured Storage	Aleandi Rodriguez	12/04/24 21:15	Retrieve from Storage
stage				
JE1542-2.1	Aleandi Rodriguez	Secured Staging Area	12/04/24 21:15	Return to Storage
JE1542-2.1	Secured Staging Area	Odalis Rodriguez	12/05/24 06:44	Retrieve from Storage
JE1542-2.1	Odalis Rodriguez	Ellen Dondeo	12/05/24 15:03	Custody Transfer
JE1542-2.1	Ellen Dondeo	Secured Storage	12/06/24 06:37	Return to Storage
JE1542-2.1.1	Odalis Rodriguez	Organics Prep	12/05/24 07:53	Extract from JE1542-2.1
JE1542-3.1	Joe Waddington	Secured Storage	11/27/24 15:14	Return to Storage
JE1542-3.1	Secured Storage	Todd Shoemaker	12/04/24 13:50	Retrieve from Storage
JE1542-3.1	Todd Shoemaker	Secured Staging Area	12/04/24 13:50	Return to Storage
JE1542-3.1	Secured Staging Area	Dhaval Patel	12/04/24 14:33	Retrieve from Storage
JE1542-3.1	Secured Storage	Aleandi Rodriguez	12/04/24 21:15	Retrieve from Storage
stage				
JE1542-3.1	Aleandi Rodriguez	Secured Staging Area	12/04/24 21:15	Return to Storage
JE1542-3.1	Secured Staging Area	Odalis Rodriguez	12/05/24 06:44	Retrieve from Storage
JE1542-3.1	Odalis Rodriguez	Ellen Dondeo	12/05/24 15:03	Custody Transfer
JE1542-3.1	Ellen Dondeo	Secured Storage	12/06/24 06:37	Return to Storage
JE1542-3.1	Secured Storage	Todd Shoemaker	12/16/24 11:19	Retrieve from Storage
JE1542-3.1	Todd Shoemaker	Secured Staging Area	12/16/24 11:19	Return to Storage
JE1542-3.1	Secured Staging Area	Erin Burke	12/16/24 11:32	Retrieve from Storage
JE1542-3.1	Erin Burke	Secured Storage	12/16/24 18:59	Return to Storage

SGS Internal Chain of Custody

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Received: 11/26/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE1542-3.1.1	Odalis Rodriguez	Organics Prep	12/05/24 07:53	Extract from JE1542-3.1
JE1542-3.1.2	Erin Burke	Organics Prep	12/16/24 13:14	Extract from JE1542-3.1
JE1542-4.1	Joe Waddington	Secured Storage	11/27/24 15:14	Return to Storage
JE1542-4.1	Secured Storage	Todd Shoemaker	12/04/24 13:50	Retrieve from Storage
JE1542-4.1	Todd Shoemaker	Secured Staging Area	12/04/24 13:50	Return to Storage
JE1542-4.1	Secured Staging Area	Dhaval Patel	12/04/24 14:33	Retrieve from Storage
JE1542-4.1	Secured Storage	Aleandi Rodriguez	12/04/24 21:15	Retrieve from Storage
stage				
JE1542-4.1	Aleandi Rodriguez	Secured Staging Area	12/04/24 21:15	Return to Storage
JE1542-4.1	Secured Staging Area	Odalis Rodriguez	12/05/24 06:44	Retrieve from Storage
JE1542-4.1	Odalis Rodriguez	Ellen Dondeo	12/05/24 15:03	Custody Transfer
JE1542-4.1	Ellen Dondeo	Secured Storage	12/06/24 06:37	Return to Storage
JE1542-4.1.1	Odalis Rodriguez	Organics Prep	12/05/24 07:53	Extract from JE1542-4.1
JE1542-5.1	Joe Waddington	Secured Storage	11/27/24 15:14	Return to Storage
JE1542-5.1	Secured Storage	Todd Shoemaker	12/04/24 13:50	Retrieve from Storage
JE1542-5.1	Todd Shoemaker	Secured Staging Area	12/04/24 13:50	Return to Storage
JE1542-5.1	Secured Staging Area	Dhaval Patel	12/04/24 14:33	Retrieve from Storage
JE1542-5.1	Secured Storage	Aleandi Rodriguez	12/04/24 21:15	Retrieve from Storage
stage				
JE1542-5.1	Aleandi Rodriguez	Secured Staging Area	12/04/24 21:15	Return to Storage
JE1542-5.1	Secured Staging Area	Odalis Rodriguez	12/05/24 06:44	Retrieve from Storage
JE1542-5.1	Odalis Rodriguez	Ellen Dondeo	12/05/24 15:03	Custody Transfer
JE1542-5.1	Ellen Dondeo	Secured Storage	12/06/24 06:37	Return to Storage
JE1542-5.1	Secured Storage	Todd Shoemaker	12/16/24 11:19	Retrieve from Storage
JE1542-5.1	Todd Shoemaker	Secured Staging Area	12/16/24 11:19	Return to Storage
JE1542-5.1	Secured Staging Area	Erin Burke	12/16/24 11:32	Retrieve from Storage
JE1542-5.1	Erin Burke	Secured Storage	12/16/24 18:59	Return to Storage
JE1542-5.1.1	Odalis Rodriguez	Organics Prep	12/05/24 07:53	Extract from JE1542-5.1
JE1542-5.1.2	Erin Burke	Organics Prep	12/16/24 13:14	Extract from JE1542-5.1
JE1542-6.1	Joe Waddington	Secured Storage	11/27/24 15:14	Return to Storage
JE1542-6.1	Secured Storage	Todd Shoemaker	12/04/24 13:50	Retrieve from Storage
JE1542-6.1	Todd Shoemaker	Secured Staging Area	12/04/24 13:50	Return to Storage
JE1542-6.1	Secured Staging Area	Dhaval Patel	12/04/24 14:33	Retrieve from Storage
JE1542-6.1	Secured Storage	Aleandi Rodriguez	12/04/24 21:15	Retrieve from Storage
stage				
JE1542-6.1	Aleandi Rodriguez	Secured Staging Area	12/04/24 21:15	Return to Storage

SGS Internal Chain of Custody

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Received: 11/26/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE1542-6.1	Secured Staging Area	Odalis Rodriguez	12/05/24 06:44	Retrieve from Storage
JE1542-6.1	Odalis Rodriguez	Ellen Dondeo	12/05/24 15:03	Custody Transfer
JE1542-6.1	Ellen Dondeo	Secured Storage	12/06/24 06:37	Return to Storage
JE1542-6.1.1	Odalis Rodriguez	Organics Prep	12/05/24 07:53	Extract from JE1542-6.1
JE1542-7.1	Joe Waddington	Secured Storage	11/27/24 15:14	Return to Storage
JE1542-7.1	Secured Storage	Todd Shoemaker	12/04/24 13:50	Retrieve from Storage
JE1542-7.1	Todd Shoemaker	Secured Staging Area	12/04/24 13:50	Return to Storage
JE1542-7.1	Secured Staging Area	Dhaval Patel	12/04/24 14:33	Retrieve from Storage
JE1542-7.1	Secured Storage	Aleandi Rodriguez	12/04/24 21:15	Retrieve from Storage
stage				
JE1542-7.1	Aleandi Rodriguez	Secured Staging Area	12/04/24 21:15	Return to Storage
JE1542-7.1	Secured Staging Area	Odalis Rodriguez	12/05/24 06:44	Retrieve from Storage
JE1542-7.1	Odalis Rodriguez	Ellen Dondeo	12/05/24 15:03	Custody Transfer
JE1542-7.1	Ellen Dondeo	Secured Storage	12/06/24 06:37	Return to Storage
JE1542-7.1	Secured Storage	Todd Shoemaker	12/16/24 11:19	Retrieve from Storage
JE1542-7.1	Todd Shoemaker	Secured Staging Area	12/16/24 11:19	Return to Storage
JE1542-7.1	Secured Staging Area	Erin Burke	12/16/24 11:32	Retrieve from Storage
JE1542-7.1	Erin Burke	Secured Storage	12/16/24 18:59	Return to Storage
JE1542-7.1.1	Odalis Rodriguez	Organics Prep	12/05/24 07:53	Extract from JE1542-7.1
JE1542-7.1.2	Erin Burke	Organics Prep	12/16/24 13:14	Extract from JE1542-7.1
JE1542-8.1	Joe Waddington	Secured Storage	11/27/24 15:14	Return to Storage
JE1542-8.1	Secured Storage	Todd Shoemaker	12/04/24 13:50	Retrieve from Storage
JE1542-8.1	Todd Shoemaker	Secured Staging Area	12/04/24 13:50	Return to Storage
JE1542-8.1	Secured Staging Area	Dhaval Patel	12/04/24 14:33	Retrieve from Storage
JE1542-8.1	Secured Storage	Aleandi Rodriguez	12/04/24 21:15	Retrieve from Storage
stage				
JE1542-8.1	Aleandi Rodriguez	Secured Staging Area	12/04/24 21:15	Return to Storage
JE1542-8.1	Secured Staging Area	Odalis Rodriguez	12/05/24 06:44	Retrieve from Storage
JE1542-8.1	Odalis Rodriguez	Ellen Dondeo	12/05/24 15:03	Custody Transfer
JE1542-8.1	Ellen Dondeo	Secured Storage	12/06/24 06:37	Return to Storage
JE1542-8.1.1	Odalis Rodriguez	Organics Prep	12/05/24 07:53	Extract from JE1542-8.1
JE1542-9.1	Joe Waddington	Secured Storage	11/27/24 15:14	Return to Storage
JE1542-9.1	Secured Storage	Todd Shoemaker	12/04/24 13:50	Retrieve from Storage
JE1542-9.1	Todd Shoemaker	Secured Staging Area	12/04/24 13:50	Return to Storage
JE1542-9.1	Secured Staging Area	Dhaval Patel	12/04/24 14:33	Retrieve from Storage
JE1542-9.1	Secured Storage	Aleandi Rodriguez	12/04/24 21:15	Retrieve from Storage
stage				

SGS Internal Chain of Custody

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Received: 11/26/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE1542-9.1	Aleandi Rodriguez	Secured Staging Area	12/04/24 21:15	Return to Storage
JE1542-9.1	Secured Staging Area	Odalis Rodriguez	12/05/24 06:44	Retrieve from Storage
JE1542-9.1	Odalis Rodriguez	Ellen Dondeo	12/05/24 15:03	Custody Transfer
JE1542-9.1	Ellen Dondeo	Secured Storage	12/06/24 06:37	Return to Storage
JE1542-9.1	Secured Storage	Todd Shoemaker	12/16/24 11:19	Retrieve from Storage
JE1542-9.1	Todd Shoemaker	Secured Staging Area	12/16/24 11:19	Return to Storage
JE1542-9.1	Secured Staging Area	Erin Burke	12/16/24 11:32	Retrieve from Storage
JE1542-9.1	Erin Burke	Secured Storage	12/16/24 18:59	Return to Storage
JE1542-9.1.1	Odalis Rodriguez	Organics Prep	12/05/24 07:53	Extract from JE1542-9.1
JE1542-9.1.2	Erin Burke	Organics Prep	12/16/24 13:14	Extract from JE1542-9.1
JE1542-10.1	Joe Waddington	Secured Storage	11/27/24 15:14	Return to Storage
JE1542-10.1	Secured Storage	Todd Shoemaker	12/04/24 13:50	Retrieve from Storage
JE1542-10.1	Todd Shoemaker	Secured Staging Area	12/04/24 13:50	Return to Storage
JE1542-10.1	Secured Staging Area	Dhaval Patel	12/04/24 14:33	Retrieve from Storage
JE1542-10.1	Secured Storage	Aleandi Rodriguez	12/04/24 21:15	Retrieve from Storage
stage				
JE1542-10.1	Aleandi Rodriguez	Secured Staging Area	12/04/24 21:15	Return to Storage
JE1542-10.1	Secured Staging Area	Odalis Rodriguez	12/05/24 06:44	Retrieve from Storage
JE1542-10.1	Odalis Rodriguez	Ellen Dondeo	12/05/24 15:03	Custody Transfer
JE1542-10.1	Ellen Dondeo	Secured Storage	12/06/24 06:37	Return to Storage
JE1542-10.1.1	Odalis Rodriguez	Organics Prep	12/05/24 07:53	Extract from JE1542-10.1
JE1542-11.1	Joe Waddington	Secured Storage	11/27/24 15:14	Return to Storage
JE1542-11.1	Secured Storage	Todd Shoemaker	12/04/24 13:50	Retrieve from Storage
JE1542-11.1	Todd Shoemaker	Secured Staging Area	12/04/24 13:50	Return to Storage
JE1542-11.1	Secured Staging Area	Dhaval Patel	12/04/24 14:33	Retrieve from Storage
JE1542-11.1	Secured Storage	Aleandi Rodriguez	12/04/24 21:15	Retrieve from Storage
stage				
JE1542-11.1	Aleandi Rodriguez	Secured Staging Area	12/04/24 21:15	Return to Storage
JE1542-11.1	Secured Staging Area	Odalis Rodriguez	12/05/24 06:44	Retrieve from Storage
JE1542-11.1	Odalis Rodriguez	Ellen Dondeo	12/05/24 15:03	Custody Transfer
JE1542-11.1	Ellen Dondeo	Secured Storage	12/06/24 06:37	Return to Storage
JE1542-11.1	Secured Storage	Todd Shoemaker	12/16/24 11:19	Retrieve from Storage
JE1542-11.1	Todd Shoemaker	Secured Staging Area	12/16/24 11:19	Return to Storage
JE1542-11.1	Secured Staging Area	Erin Burke	12/16/24 11:32	Retrieve from Storage
JE1542-11.1	Erin Burke	Secured Storage	12/16/24 18:59	Return to Storage
JE1542-11.1.1	Odalis Rodriguez	Organics Prep	12/05/24 07:53	Extract from JE1542-11.1
JE1542-11.1.2	Erin Burke	Organics Prep	12/16/24 13:14	Extract from JE1542-11.1

SGS Internal Chain of Custody

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Received: 11/26/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE1542-12.1	Joe Waddington	Secured Storage	11/27/24 15:14	Return to Storage
JE1542-12.1	Secured Storage	Todd Shoemaker	12/04/24 13:50	Retrieve from Storage
JE1542-12.1	Todd Shoemaker	Secured Staging Area	12/04/24 13:50	Return to Storage
JE1542-12.1	Secured Staging Area	Dhaval Patel	12/04/24 14:33	Retrieve from Storage
JE1542-12.1 stage	Secured Storage	Aleandi Rodriguez	12/04/24 21:15	Retrieve from Storage
JE1542-12.1	Aleandi Rodriguez	Secured Staging Area	12/04/24 21:15	Return to Storage
JE1542-12.1	Secured Staging Area	Odalis Rodriguez	12/05/24 06:44	Retrieve from Storage
JE1542-12.1	Odalis Rodriguez	Ellen Dondeo	12/05/24 15:03	Custody Transfer
JE1542-12.1	Ellen Dondeo	Secured Storage	12/06/24 06:37	Return to Storage
JE1542-12.1.1	Odalis Rodriguez	Organics Prep	12/05/24 07:53	Extract from JE1542-12.1

MS Semi-volatiles

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QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (DFTPP)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59876-MB1	4P694137.D	1	12/06/24	KH	12/05/24	OP59876	E4P3703

The QC reported here applies to the following samples: **Method:** SW846 8270E

JE1542-2, JE1542-4, JE1542-6, JE1542-8, JE1542-10, JE1542-12

CAS No.	Compound	Result	RL	MDL	Units	Q
56-55-3	Benzo(a)anthracene	ND	33	9.4	ug/kg	
50-32-8	Benzo(a)pyrene	ND	33	15	ug/kg	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	64%	10-99%
4165-62-2	Phenol-d5	62%	10-96%
118-79-6	2,4,6-Tribromophenol	70%	10-123%
4165-60-0	Nitrobenzene-d5	60%	10-109%
321-60-8	2-Fluorobiphenyl	68%	11-109%
1718-51-0	Terphenyl-d14	78%	10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/kg	

Method Blank Summary

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP60221-MB1	6P519540.D	1	12/17/24	AO	12/16/24	OP60221	E6P4336

The QC reported here applies to the following samples: **Method:** SW846 8270E

JE1542-3T, JE1542-5T, JE1542-7T, JE1542-9T, JE1542-11T

CAS No.	Compound	Result	RL	MDL	Units	Q
56-55-3	Benzo(a)anthracene	ND	33	9.4	ug/kg	
50-32-8	Benzo(a)pyrene	ND	33	15	ug/kg	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	52%	10-99%
4165-62-2	Phenol-d5	53%	10-96%
118-79-6	2,4,6-Tribromophenol	82%	10-123%
4165-60-0	Nitrobenzene-d5	59%	10-109%
321-60-8	2-Fluorobiphenyl	65%	11-109%
1718-51-0	Terphenyl-d14	72%	10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/kg	

Blank Spike Summary

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59876-BS1	4P694138.D	1	12/06/24	KH	12/05/24	OP59876	E4P3703

The QC reported here applies to the following samples: **Method:** SW846 8270E

JE1542-2, JE1542-4, JE1542-6, JE1542-8, JE1542-10, JE1542-12

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
56-55-3	Benzo(a)anthracene	1670	1120	67	11-139
50-32-8	Benzo(a)pyrene	1670	1130	68	13-141

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	73%	10-99%
4165-62-2	Phenol-d5	69%	10-96%
118-79-6	2,4,6-Tribromophenol	71%	10-123%
4165-60-0	Nitrobenzene-d5	69%	10-109%
321-60-8	2-Fluorobiphenyl	70%	11-109%
1718-51-0	Terphenyl-d14	75%	10-120%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP60221-BS1	F223564.D	1	12/18/24	KH	12/16/24	OP60221	EF9931

The QC reported here applies to the following samples: **Method:** SW846 8270E

JE1542-3T, JE1542-5T, JE1542-7T, JE1542-9T, JE1542-11T

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
56-55-3	Benzo(a)anthracene	1670	1080	65	11-139
50-32-8	Benzo(a)pyrene	1670	1150	69	13-141

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	55%	10-99%
4165-62-2	Phenol-d5	56%	10-96%
118-79-6	2,4,6-Tribromophenol	73%	10-123%
4165-60-0	Nitrobenzene-d5	58%	10-109%
321-60-8	2-Fluorobiphenyl	61%	11-109%
1718-51-0	Terphenyl-d14	67%	10-120%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59876-MS	CS7310.D	1	12/20/24	JY	12/06/24	OP59876	ECS377
OP59876-MSD	CS7311.D	1	12/20/24	JY	12/06/24	OP59876	ECS377
JE1536-4	4P694142.D	1	12/06/24	KH	12/06/24	OP59876	E4P3703

The QC reported here applies to the following samples: **Method:** SW846 8270E

JE1542-2, JE1542-4, JE1542-6, JE1542-8, JE1542-10, JE1542-12

CAS No.	Compound	JE1536-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
56-55-3	Benzo(a)anthracene	201		1820	1870	92	1830	1540	73	19	10-163/88
50-32-8	Benzo(a)pyrene	263		1820	1860	88	1830	1600	73	15	10-163/89

CAS No.	Surrogate Recoveries	MS	MSD	JE1536-4	Limits
367-12-4	2-Fluorophenol	58%	71%	80%	10-99%
4165-62-2	Phenol-d5	67%	71%	72%	10-96%
118-79-6	2,4,6-Tribromophenol	80%	81%	79%	10-123%
4165-60-0	Nitrobenzene-d5	61%	69%	75%	10-109%
321-60-8	2-Fluorobiphenyl	70%	71%	78%	11-109%
1718-51-0	Terphenyl-d14	77%	74%	70%	10-120%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP60221-MS	6P519544.D	1	12/17/24	AO	12/16/24	OP60221	E6P4336
OP60221-MSD	6P519545.D	1	12/17/24	AO	12/16/24	OP60221	E6P4336
JE2333-9	6P519546.D	1	12/17/24	AO	12/16/24	OP60221	E6P4336
JE2333-9	CT10379.D	10	12/18/24	AO	12/16/24	OP60221	ECT478

The QC reported here applies to the following samples: **Method:** SW846 8270E

JE1542-3T, JE1542-5T, JE1542-7T, JE1542-9T, JE1542-11T

CAS No.	Compound	JE2333-9 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
56-55-3	Benzo(a)anthracene	4880 [b]		1690	1810	-179* [a]	1730	2090	-159* [a]	14	10-163/88
50-32-8	Benzo(a)pyrene	5200 [b]		1690	2390	-162* [a]	1730	2500	-152* [a]	4	10-163/89

CAS No.	Surrogate Recoveries	MS	MSD	JE2333-9	JE2333-9	Limits
367-12-4	2-Fluorophenol	48%	42%			10-99%
4165-62-2	Phenol-d5	48%	40%			10-96%
118-79-6	2,4,6-Tribromophenol	70%	61%			10-123%
4165-60-0	Nitrobenzene-d5	64%	45%	64%	64%	10-109%
321-60-8	2-Fluorobiphenyl	62%	58%	71%	80%	11-109%
1718-51-0	Terphenyl-d14	64%	45%	74%	75%	10-120%

(a) Outside control limits due to high level in sample relative to spike amount.
(b) Result is from Run #2.

* = Outside of Control Limits.

Instrument Performance Check (DFTPP)

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	E4P3698-DFTPP	**Injection Date:**	11/27/24
Lab File ID:	4P693994.D	**Injection Time:**	13:51
Instrument ID:	GCMS4P		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	37234	41.7		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	32676	36.6		Pass
70	Less than 2.0% of mass 69	259	0.29	(0.79) [a]	Pass
127	40.0 - 60.0% of mass 198	39387	44.1		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	89371	100.0		Pass
199	5.0 - 9.0% of mass 198	6152	6.88		Pass
275	10.0 - 30.0% of mass 198	20915	23.4		Pass
365	1.0 - 100.0% of mass 198	2270	2.54		Pass
441	Present, but less than mass 443	6453	7.22	(78.4) [b]	Pass
442	40.0 - 100.0% of mass 198	40960	45.8		Pass
443	17.0 - 23.0% of mass 442	8226	9.20	(20.1) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E4P3698-ICC3698	4P693995.D	11/27/24	14:14	00:23	Initial cal 50
E4P3698-IC3698	4P693996.D	11/27/24	14:37	00:46	Initial cal 1
E4P3698-IC3698	4P693997.D	11/27/24	15:00	01:09	Initial cal 2
E4P3698-IC3698	4P693998.D	11/27/24	15:22	01:31	Initial cal 5
E4P3698-IC3698	4P693999.D	11/27/24	15:46	01:55	Initial cal 10
E4P3698-IC3698	4P694000.D	11/27/24	16:08	02:17	Initial cal 25
E4P3698-IC3698	4P694001.D	11/27/24	16:31	02:40	Initial cal 80
E4P3698-IC3698	4P694002.D	11/27/24	16:54	03:03	Initial cal 100
E4P3698-IC3698	4P694003.D	11/27/24	17:17	03:26	Initial cal 1
E4P3698-IC3698	4P694004.D	11/27/24	17:39	03:48	Initial cal 2
E4P3698-IC3698	4P694005.D	11/27/24	18:02	04:11	Initial cal 5
E4P3698-IC3698	4P694006.D	11/27/24	18:25	04:34	Initial cal 10
E4P3698-IC3698	4P694007.D	11/27/24	18:48	04:57	Initial cal 25
E4P3698-IC3698	4P694008.D	11/27/24	19:11	05:20	Initial cal 50
E4P3698-IC3698	4P694009.D	11/27/24	19:34	05:43	Initial cal 80
E4P3698-IC3698	4P694010.D	11/27/24	19:56	06:05	Initial cal 100
E4P3698-ICV3698	4P694011.D	11/27/24	20:19	06:28	Initial cal verification 50
E4P3698-ICV3698	4P694012.D	11/27/24	20:42	06:51	Initial cal verification 50
E4P3698-ICV3698	4P694013.D	11/27/24	21:05	07:14	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	E4P3698-DFTPP	**Injection Date:**	11/27/24
Lab File ID:	4P693994.D	**Injection Time:**	13:51
Instrument ID:	GCMS4P		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E4P3698-ICV3698	4P694014.D	11/27/24	21:28	07:37	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	E6P4255-DFTPP	**Injection Date:**	09/12/24
Lab File ID:	6P517478.D	**Injection Time:**	15:52
Instrument ID:	GCMS6P		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	58326	52.7		Pass
68	Less than 2.0% of mass 69	913	0.82	(1.65) [a]	Pass
69	Mass 69 relative abundance	55397	50.0		Pass
70	Less than 2.0% of mass 69	444	0.40	(0.80) [a]	Pass
127	40.0 - 60.0% of mass 198	60701	54.8		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	110685	100.0		Pass
199	5.0 - 9.0% of mass 198	7319	6.61		Pass
275	10.0 - 30.0% of mass 198	31316	28.3		Pass
365	1.0 - 100.0% of mass 198	5158	4.66		Pass
441	Present, but less than mass 443	16124	14.6	(90.5) [b]	Pass
442	40.0 - 100.0% of mass 198	98573	89.1		Pass
443	17.0 - 23.0% of mass 442	17824	16.1	(18.1) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E6P4255-IC4255	6P517487.D	09/12/24	18:39	02:47	Initial cal 1
E6P4255-IC4255	6P517488.D	09/12/24	18:59	03:07	Initial cal 2
E6P4255-IC4255	6P517489.D	09/12/24	19:19	03:27	Initial cal 5
E6P4255-IC4255	6P517490.D	09/12/24	19:38	03:46	Initial cal 10
E6P4255-IC4255	6P517491.D	09/12/24	19:58	04:06	Initial cal 25
E6P4255-ICC4255	6P517492.D	09/12/24	20:17	04:25	Initial cal 50
E6P4255-IC4255	6P517493.D	09/12/24	20:37	04:45	Initial cal 80
E6P4255-IC4255	6P517494.D	09/12/24	20:57	05:05	Initial cal 100

Instrument Performance Check (DFTPP)

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	E6P4256-DFTPP	**Injection Date:**	09/13/24
Lab File ID:	6P517499.D	**Injection Time:**	09:42
Instrument ID:	GCMS6P		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	73508	55.9		Pass
68	Less than 2.0% of mass 69	1129	0.86	(1.58) [a]	Pass
69	Mass 69 relative abundance	71438	54.3		Pass
70	Less than 2.0% of mass 69	218	0.17	(0.31) [a]	Pass
127	40.0 - 60.0% of mass 198	73648	56.0		Pass
197	Less than 1.0% of mass 198	448	0.34		Pass
198	Base peak, 100% relative abundance	131491	100.0		Pass
199	5.0 - 9.0% of mass 198	8755	6.66		Pass
275	10.0 - 30.0% of mass 198	36704	27.9		Pass
365	1.0 - 100.0% of mass 198	4989	3.79		Pass
441	Present, but less than mass 443	18039	13.7	(90.9) [b]	Pass
442	40.0 - 100.0% of mass 198	103901	79.0		Pass
443	17.0 - 23.0% of mass 442	19850	15.1	(19.1) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E6P4256-ICC4256	6P517500.D	09/13/24	09:53	00:11	Initial cal 50
E6P4256-IC4256	6P517502.D	09/13/24	10:32	00:50	Initial cal 2
E6P4256-IC4256	6P517504.D	09/13/24	11:12	01:30	Initial cal 10
E6P4256-IC4256	6P517507.D	09/13/24	12:11	02:29	Initial cal 100
E6P4256-IC4256	6P517509.D	09/13/24	12:51	03:09	Initial cal 1
E6P4256-IC4256	6P517510.D	09/13/24	13:11	03:29	Initial cal 5
E6P4256-IC4256	6P517511.D	09/13/24	13:31	03:49	Initial cal 25
E6P4256-IC4256	6P517512.D	09/13/24	13:51	04:09	Initial cal 80
E6P4256-ICV4256	6P517514.D	09/13/24	16:16	06:34	Initial cal verification 50
E6P4256-ICV4256	6P517515.D	09/13/24	16:35	06:53	Initial cal verification 50
E6P4256-ICV4255	6P517516.D	09/13/24	16:54	07:12	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	E6P4258-DFTPP	**Injection Date:**	09/16/24
Lab File ID:	6P517521.D	**Injection Time:**	10:59
Instrument ID:	GCMS6P		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	81139	54.5		Pass
68	Less than 2.0% of mass 69	1222	0.82	(1.50) [a]	Pass
69	Mass 69 relative abundance	81275	54.5		Pass
70	Less than 2.0% of mass 69	282	0.19	(0.35) [a]	Pass
127	40.0 - 60.0% of mass 198	84280	56.6		Pass
197	Less than 1.0% of mass 198	211	0.14		Pass
198	Base peak, 100% relative abundance	149005	100.0		Pass
199	5.0 - 9.0% of mass 198	10363	6.95		Pass
275	10.0 - 30.0% of mass 198	40132	26.9		Pass
365	1.0 - 100.0% of mass 198	6216	4.17		Pass
441	Present, but less than mass 443	19314	13.0	(85.7) [b]	Pass
442	40.0 - 100.0% of mass 198	120239	80.7		Pass
443	17.0 - 23.0% of mass 442	22538	15.1	(18.7) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E6P4258-ICV4256	6P517522.D	09/16/24	11:29	00:30	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	ECS369-DFTPP	**Injection Date:**	12/09/24
Lab File ID:	CS7078.D	**Injection Time:**	14:45
Instrument ID:	GCMSCS		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	14425	41.8		Pass
68	Less than 2.0% of mass 69	111	0.32	(0.83) [a]	Pass
69	Mass 69 relative abundance	13296	38.6		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	17863	51.8		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	34483	100.0		Pass
199	5.0 - 9.0% of mass 198	2296	6.66		Pass
275	10.0 - 31.0% of mass 198	7690	22.3		Pass
365	1.0 - 100.0% of mass 198	859	2.49		Pass
441	Present, but less than mass 443	4677	13.6	(76.9) [b]	Pass
442	40.0 - 100.0% of mass 198	30691	89.0		Pass
443	17.0 - 23.0% of mass 442	6082	17.6	(19.8) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ECS369-ICC369	CS7079.D	12/09/24	14:56	00:11	Initial cal 50
ECS369-IC369	CS7080.D	12/09/24	15:15	00:30	Initial cal 1
ECS369-IC369	CS7081.D	12/09/24	15:33	00:48	Initial cal 2
ECS369-IC369	CS7082.D	12/09/24	15:52	01:07	Initial cal 5
ECS369-IC369	CS7083.D	12/09/24	16:10	01:25	Initial cal 10
ECS369-IC369	CS7084.D	12/09/24	16:28	01:43	Initial cal 25
ECS369-IC369	CS7085.D	12/09/24	16:47	02:02	Initial cal 80
ECS369-IC369	CS7086.D	12/09/24	17:05	02:20	Initial cal 100
ECS369-IC369	CS7087.D	12/09/24	17:24	02:39	Initial cal 1
ECS369-IC369	CS7088.D	12/09/24	17:42	02:57	Initial cal 2
ECS369-IC369	CS7089.D	12/09/24	18:01	03:16	Initial cal 5
ECS369-IC369	CS7090.D	12/09/24	18:19	03:34	Initial cal 10
ECS369-IC369	CS7091.D	12/09/24	18:38	03:53	Initial cal 25
ECS369-IC369	CS7092.D	12/09/24	18:56	04:11	Initial cal 50
ECS369-IC369	CS7093.D	12/09/24	19:15	04:30	Initial cal 80
ECS369-IC369	CS7094.D	12/09/24	19:33	04:48	Initial cal 100
ECS369-ICV369	CS7095.D	12/09/24	19:52	05:07	Initial cal verification 50
ECS369-ICV369	CS7096.D	12/09/24	20:10	05:25	Initial cal verification 50
ECS369-ICV369	CS7097.D	12/09/24	20:29	05:44	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	ECS369-DFTPP	**Injection Date:**	12/09/24
Lab File ID:	CS7078.D	**Injection Time:**	14:45
Instrument ID:	GCMSCS		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ECS369-ICV369	CS7098.D	12/09/24	20:47	06:02	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	ECT443-DFTPP	**Injection Date:**	10/21/24
Lab File ID:	CT9458.D	**Injection Time:**	15:51
Instrument ID:	GCMSCT		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	101016	41.3		Pass
68	Less than 2.0% of mass 69	2225	0.91	(1.98) [a]	Pass
69	Mass 69 relative abundance	112102	45.8		Pass
70	Less than 2.0% of mass 69	573	0.23	(0.51) [a]	Pass
127	40.0 - 60.0% of mass 198	135197	55.3		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	244651	100.0		Pass
199	5.0 - 9.0% of mass 198	17271	7.06		Pass
275	10.0 - 31.0% of mass 198	58995	24.1		Pass
365	1.0 - 100.0% of mass 198	7236	2.96		Pass
441	Present, but less than mass 443	29929	12.2	(77.1) [b]	Pass
442	40.0 - 100.0% of mass 198	202253	82.7		Pass
443	17.0 - 23.0% of mass 442	38819	15.9	(19.2) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ECT443-ICC443	CT9459.D	10/21/24	16:03	00:12	Initial cal 50
ECT443-IC443	CT9460.D	10/21/24	16:25	00:34	Initial cal 1
ECT443-IC443	CT9461.D	10/21/24	16:43	00:52	Initial cal 2
ECT443-IC443	CT9462.D	10/21/24	17:01	01:10	Initial cal 5
ECT443-IC443	CT9463.D	10/21/24	17:19	01:28	Initial cal 10
ECT443-IC443	CT9464.D	10/21/24	17:37	01:46	Initial cal 25
ECT443-IC443	CT9465.D	10/21/24	17:55	02:04	Initial cal 80
ECT443-IC443	CT9466.D	10/21/24	18:13	02:22	Initial cal 100
ECT443-IC443	CT9467.D	10/21/24	18:31	02:40	Initial cal 1
ECT443-IC443	CT9468.D	10/21/24	18:50	02:59	Initial cal 2
ECT443-IC443	CT9469.D	10/21/24	19:08	03:17	Initial cal 5
ECT443-IC443	CT9470.D	10/21/24	19:26	03:35	Initial cal 10
ECT443-IC443	CT9471.D	10/21/24	19:44	03:53	Initial cal 25
ECT443-IC443	CT9472.D	10/21/24	20:02	04:11	Initial cal 50
ECT443-IC443	CT9473.D	10/21/24	20:20	04:29	Initial cal 80
ECT443-IC443	CT9474.D	10/21/24	20:38	04:47	Initial cal 100
ECT443-ICV443	CT9475.D	10/21/24	20:57	05:06	Initial cal verification 50
ECT443-ICV443	CT9476.D	10/21/24	21:15	05:24	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: ECT444-DFTPP
Lab File ID: CT9480.D
Instrument ID: GCMSCT
Injection Date: 10/23/24
Injection Time: 10:02

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	125279	42.6		Pass
68	Less than 2.0% of mass 69	1751	0.60	(1.30) [a]	Pass
69	Mass 69 relative abundance	135189	46.0		Pass
70	Less than 2.0% of mass 69	845	0.29	(0.63) [a]	Pass
127	40.0 - 60.0% of mass 198	161077	54.8		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	294165	100.0		Pass
199	5.0 - 9.0% of mass 198	20830	7.08		Pass
275	10.0 - 31.0% of mass 198	72168	24.5		Pass
365	1.0 - 100.0% of mass 198	8812	3.00		Pass
441	Present, but less than mass 443	36899	12.5	(79.9) [b]	Pass
442	40.0 - 100.0% of mass 198	247899	84.3		Pass
443	17.0 - 23.0% of mass 442	46192	15.7	(18.6) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ECT444-ICV443	CT9481.D	10/23/24	11:09	01:07	Initial cal verification 50
ECT445-CC443	CT9483.D	10/23/24	15:52	05:50	Continuing cal 50
ZZZZZZ	CT9485.D	10/23/24	16:32	06:30	(unrelated sample)
ZZZZZZ	CT9486.D	10/23/24	16:50	06:48	(unrelated sample)
ZZZZZZ	CT9487.D	10/23/24	17:08	07:06	(unrelated sample)
ZZZZZZ	CT9489.D	10/23/24	17:44	07:42	(unrelated sample)
ZZZZZZ	CT9490.D	10/23/24	18:03	08:01	(unrelated sample)
ZZZZZZ	CT9492.D	10/23/24	18:39	08:37	(unrelated sample)
ZZZZZZ	CT9493.D	10/23/24	18:57	08:55	(unrelated sample)
ZZZZZZ	CT9494.D	10/23/24	19:15	09:13	(unrelated sample)
ZZZZZZ	CT9495.D	10/23/24	19:33	09:31	(unrelated sample)
ZZZZZZ	CT9496.D	10/23/24	19:51	09:49	(unrelated sample)
ZZZZZZ	CT9497.D	10/23/24	20:09	10:07	(unrelated sample)
ZZZZZZ	CT9498.D	10/23/24	20:28	10:26	(unrelated sample)
ZZZZZZ	CT9499.D	10/23/24	20:46	10:44	(unrelated sample)
ZZZZZZ	CT9500.D	10/23/24	21:04	11:02	(unrelated sample)
ZZZZZZ	CT9501.D	10/23/24	21:22	11:20	(unrelated sample)
ZZZZZZ	CT9502.D	10/23/24	21:40	11:38	(unrelated sample)
ZZZZZZ	CT9503.D	10/23/24	21:59	11:57	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	ECT444-DFTPP	**Injection Date:**	10/23/24
Lab File ID:	CT9480.D	**Injection Time:**	10:02
Instrument ID:	GCMSCT		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	CT9504.D	10/23/24	22:17	12:15	(unrelated sample)
ZZZZZZ	CT9505.D	10/23/24	22:35	12:33	(unrelated sample)
ZZZZZZ	CT9506.D	10/23/24	22:53	12:51	(unrelated sample)
ZZZZZZ	CT9507.D	10/23/24	23:12	13:10	(unrelated sample)
ZZZZZZ	CT9508.D	10/23/24	23:30	13:28	(unrelated sample)
ZZZZZZ	CT9509.D	10/23/24	23:48	13:46	(unrelated sample)
ZZZZZZ	CT9510.D	10/24/24	00:06	14:04	(unrelated sample)
ZZZZZZ	CT9511.D	10/24/24	00:24	14:22	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	EF9895-DFTPP	**Injection Date:**	10/29/24
Lab File ID:	F222664.D	**Injection Time:**	10:13
Instrument ID:	GCMSF		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	23575	40.1		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	24117	41.0		Pass
70	Less than 2.0% of mass 69	153	0.26	(0.63) [a]	Pass
127	40.0 - 60.0% of mass 198	27738	47.2		Pass
197	Less than 1.0% of mass 198	192	0.33		Pass
198	Base peak, 100% relative abundance	58781	100.0		Pass
199	5.0 - 9.0% of mass 198	4014	6.83		Pass
275	10.0 - 30.0% of mass 198	13632	23.2		Pass
365	1.0 - 100.0% of mass 198	1422	2.42		Pass
441	Present, but less than mass 443	5233	8.90	(76.5) [b]	Pass
442	40.0 - 100.0% of mass 198	35538	60.5		Pass
443	17.0 - 23.0% of mass 442	6839	11.6	(19.2) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EF9895-IC9895	F222673.D	10/29/24	13:30	03:17	Initial cal 1
EF9895-IC9895	F222674.D	10/29/24	13:52	03:39	Initial cal 2
EF9895-IC9895	F222675.D	10/29/24	14:15	04:02	Initial cal 5
EF9895-IC9895	F222676.D	10/29/24	14:38	04:25	Initial cal 10
EF9895-IC9895	F222677.D	10/29/24	15:01	04:48	Initial cal 25
EF9895-ICC9895	F222678.D	10/29/24	15:23	05:10	Initial cal 50
EF9895-IC9895	F222679.D	10/29/24	15:46	05:33	Initial cal 80
EF9895-IC9895	F222680.D	10/29/24	16:09	05:56	Initial cal 100
EF9895-IC9895	F222681.D	10/29/24	16:31	06:18	Initial cal 1
EF9895-IC9895	F222682.D	10/29/24	16:54	06:41	Initial cal 2
EF9895-IC9895	F222683.D	10/29/24	17:17	07:04	Initial cal 5
EF9895-IC9895	F222684.D	10/29/24	17:39	07:26	Initial cal 10
EF9895-IC9895	F222685.D	10/29/24	18:02	07:49	Initial cal 25
EF9895-IC9895	F222686.D	10/29/24	18:25	08:12	Initial cal 50
EF9895-IC9895	F222687.D	10/29/24	18:47	08:34	Initial cal 80
EF9895-IC9895	F222688.D	10/29/24	19:10	08:57	Initial cal 100
EF9895-ICV9895	F222689.D	10/29/24	19:33	09:20	Initial cal verification 50
EF9895-ICV9895	F222690.D	10/29/24	19:55	09:42	Initial cal verification 50
EF9895-ICV9895	F222691.D	10/29/24	20:18	10:05	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	EF9895-DFTPP	**Injection Date:**	10/29/24
Lab File ID:	F222664.D	**Injection Time:**	10:13
Instrument ID:	GCMSF		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EF9895-ICV9895	F222692.D	10/29/24	20:41	10:28	Initial cal verification 50
EF9895-ICV9895	F222695.D	10/29/24	21:49	11:36	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EF9899-DFTPP
Lab File ID: F222732A.D
Instrument ID: GCMSF
Injection Date: 11/07/24
Injection Time: 08:48

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	19558	36.6		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	19448	36.4		Pass
70	Less than 2.0% of mass 69	83	0.16	(0.43) [a]	Pass
127	40.0 - 60.0% of mass 198	23578	44.2		Pass
197	Less than 1.0% of mass 198	195	0.37		Pass
198	Base peak, 100% relative abundance	53402	100.0		Pass
199	5.0 - 9.0% of mass 198	3465	6.49		Pass
275	10.0 - 30.0% of mass 198	13109	24.5		Pass
365	1.0 - 100.0% of mass 198	1301	2.44		Pass
441	Present, but less than mass 443	4675	8.75	(73.2) [b]	Pass
442	40.0 - 100.0% of mass 198	31362	58.7		Pass
443	17.0 - 23.0% of mass 442	6386	12.0	(20.4) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EF9899-IC9899	F222733.D	11/07/24	09:00	00:12	Initial cal 1
EF9899-IC9899	F222734.D	11/07/24	09:23	00:35	Initial cal 2
EF9899-IC9899	F222735.D	11/07/24	09:46	00:58	Initial cal 5
EF9899-IC9899	F222736.D	11/07/24	10:10	01:22	Initial cal 10
EF9899-IC9899	F222737.D	11/07/24	10:33	01:45	Initial cal 25
EF9899-ICC9899	F222739.D	11/07/24	10:56	02:08	Initial cal 50
EF9899-IC9899	F222738.D	11/07/24	11:20	02:32	Initial cal 80
EF9899-IC9899	F222740.D	11/07/24	11:43	02:55	Initial cal 100
EF9899-ICV9899	F222741.D	11/07/24	12:06	03:18	Initial cal verification 50
EF9899-ICV9899	F222742.D	11/07/24	12:30	03:42	Initial cal verification 50
EF9899-ICV9899	F222743.D	11/07/24	12:53	04:05	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EF9931-DFTPP
Lab File ID: F223559.D
Instrument ID: GCMSF
Injection Date: 12/18/24
Injection Time: 08:41

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	11225	31.3		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	12313	34.3		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	15524	43.3		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	35878	100.0		Pass
199	5.0 - 9.0% of mass 198	2536	7.07		Pass
275	10.0 - 30.0% of mass 198	9588	26.7		Pass
365	1.0 - 100.0% of mass 198	1074	2.99		Pass
441	Present, but less than mass 443	4000	11.1	(72.3) [b]	Pass
442	40.0 - 100.0% of mass 198	25648	71.5		Pass
443	17.0 - 23.0% of mass 442	5535	15.4	(21.6) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EF9931-CC9899	F223560.D	12/18/24	08:55	00:14	Continuing cal 50
EF9931-CC9895	F223561.D	12/18/24	09:19	00:38	Continuing cal 50
EF9931-CC9895	F223563.D	12/18/24	10:07	01:26	Continuing cal 5
OP60221-BS1	F223564.D	12/18/24	10:31	01:50	Blank Spike
OP60259B-MB1	F223565.D	12/18/24	10:55	02:14	Method Blank
OP60259-MB1	F223565.D	12/18/24	10:55	02:14	Method Blank
OP60259B-BS1	F223566.D	12/18/24	11:19	02:38	Blank Spike
OP60259-BS1	F223566.D	12/18/24	11:19	02:38	Blank Spike
OP60259-BSD	F223567.D	12/18/24	11:42	03:01	Blank Spike Duplicate
OP60259B-BSD	F223567.D	12/18/24	11:42	03:01	Blank Spike Duplicate
ZZZZZZ	F223568.D	12/18/24	12:06	03:25	(unrelated sample)
ZZZZZZ	F223569.D	12/18/24	12:30	03:49	(unrelated sample)
ZZZZZZ	F223570.D	12/18/24	12:54	04:13	(unrelated sample)
ZZZZZZ	F223571.D	12/18/24	13:17	04:36	(unrelated sample)
ZZZZZZ	F223572.D	12/18/24	13:42	05:01	(unrelated sample)
ZZZZZZ	F223573.D	12/18/24	14:06	05:25	(unrelated sample)
ZZZZZZ	F223574.D	12/18/24	14:31	05:50	(unrelated sample)
ZZZZZZ	F223575.D	12/18/24	14:58	06:17	(unrelated sample)
ZZZZZZ	F223576.D	12/18/24	15:25	06:44	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	EF9931-DFTPP	**Injection Date:**	12/18/24
Lab File ID:	F223559.D	**Injection Time:**	08:41
Instrument ID:	GCMSF		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	F223577.D	12/18/24	15:53	07:12	(unrelated sample)
ZZZZZZ	F223578.D	12/18/24	16:21	07:40	(unrelated sample)
ZZZZZZ	F223579.D	12/18/24	16:48	08:07	(unrelated sample)
ZZZZZZ	F223580.D	12/18/24	17:15	08:34	(unrelated sample)

Internal Standard Area Summary

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	E4P3703-CC3698	**Injection Date:**	12/06/24
Lab File ID:	4P694134.D	**Injection Time:**	09:12
Instrument ID:	GCMS4P	**Method:**	SW846 8270E

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Initial Cal [a]	63932	4.59	237036	5.38	135783	6.62	250378	7.97	226451	10.96	244790	12.55
Check Std [b]	85152	4.57	320794	5.38	187664	6.61	346691	7.97	345284	10.96	385978	12.56
Upper Limit [c]	170304	4.74	641588	5.55	375328	6.78	693382	8.14	690568	11.13	771956	12.73
Lower Limit [d]	42576	4.40	160397	5.21	93832	6.44	173346	7.80	172642	10.79	192989	12.39

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP59876-MB1	93151	4.57	352145	5.37	199461	6.61	359924	7.97	320124	10.95	315920	12.55
OP59876-BS1	86966	4.57	317733	5.37	181945	6.61	316432	7.97	266910	10.96	306760	12.56
ZZZZZZ	84817	4.57	311291	5.37	175793	6.60	299560	7.96	261203	10.95	294448	12.56
ZZZZZZ	81407	4.58	300019	5.37	169285	6.61	290625	7.97	289843	10.96	302155	12.56
ZZZZZZ	86371	4.58	317905	5.37	171381	6.61	283908	7.97	311766	10.96	346809	12.56
JE1536-4	80753	4.58	303866	5.37	169049	6.61	280720	7.97	294679	10.96	333428	12.56
ZZZZZZ	80993	4.58	297797	5.37	158384	6.61	265264	7.97	309000	10.96	316240	12.56
ZZZZZZ	73998	4.58	279569	5.37	156792	6.61	251021	7.97	306266	10.96	312026	12.57
ZZZZZZ	95941	4.58	350562	5.38	195642	6.61	311001	7.97	301808	10.96	340176	12.57
ZZZZZZ	89535	4.58	336244	5.38	178753	6.61	294813	7.97	295367	10.96	352256	12.57
ZZZZZZ	79674	4.58	299914	5.38	185902	6.61	348006	7.97	361751	10.96	388258	12.57
JE1455-1	67881	4.57	260086	5.37	151406	6.61	277839	7.97	282854	10.96	313827	12.57
ZZZZZZ	77428	4.57	291297	5.37	168151	6.61	312565	7.97	334606	10.96	358634	12.57
ZZZZZZ	70379	4.57	268106	5.37	161425	6.61	298486	7.97	294603	10.96	324196	12.56
ZZZZZZ	79643	4.57	302526	5.37	179896	6.61	332701	7.97	345951	10.96	370995	12.57
ZZZZZZ	77361	4.57	295862	5.37	181817	6.61	329875	7.97	331957	10.96	357807	12.57
ZZZZZZ	68641	4.57	272166	5.37	165006	6.61	305121	7.97	321762	10.97	306613	12.58
ZZZZZZ	64918	4.57	245688	5.37	147959	6.61	267848	7.97	276143	10.96	301910	12.57
ZZZZZZ	65394	4.57	246379	5.37	146009	6.61	269732	7.97	272384	10.96	291865	12.56
ZZZZZZ	73812	4.57	271843	5.37	158482	6.61	276735	7.97	291970	10.96	315658	12.56
ZZZZZZ	69224	4.57	256724	5.37	143643	6.61	264832	7.97	276795	10.96	299428	12.56
JE1542-2	67796	4.57	246377	5.37	136545	6.61	229684	7.97	252330	10.96	266832	12.57
JE1542-4	77922	4.58	282011	5.37	154298	6.61	260817	7.97	309286	10.99	269380	12.59
JE1542-6	86680	4.58	309976	5.38	165834	6.61	263248	7.97	296791	10.97	277395	12.58
JE1542-8	75675	4.58	275859	5.38	154398	6.61	261888	7.97	292007	10.97	309564	12.58
JE1542-10	75932	4.58	279399	5.37	154045	6.61	265378	7.97	305295	10.98	283686	12.59
JE1542-12	79142	4.58	288286	5.38	156346	6.61	257270	7.97	302924	10.98	293705	12.59

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12

Internal Standard Area Summary

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	E4P3703-CC3698	**Injection Date:**	12/06/24
Lab File ID:	4P694134.D	**Injection Time:**	09:12
Instrument ID:	GCMS4P	**Method:**	SW846 8270E

Lab Sample ID	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT	IS 3 AREA	IS 3 RT	IS 4 AREA	IS 4 RT	IS 5 AREA	IS 5 RT	IS 6 AREA	IS 6 RT

IS 6 = Perylene-d12

(a) Initial Cal is: E4P3698-ICC3698 4P693995.D 11/27/24 14:14
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

Internal Standard Area Summary

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	E6P4336-CC4256	**Injection Date:**	12/17/24
Lab File ID:	6P519533.D	**Injection Time:**	10:02
Instrument ID:	GCMS6P	**Method:**	SW846 8270E

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Initial Cal [a]	177708	4.60	733649	5.30	398854	6.42	731641	7.59	659213	10.04	783451	11.39
Check Std [b]	166200	4.37	678157	5.10	384915	6.17	851503	7.31	870313	9.75	969361	11.06
Upper Limit [c]	332400	4.54	1356314	5.27	769830	6.34	1703006	7.48	1740626	9.92	1938722	11.23
Lower Limit [d]	83100	4.20	339079	4.93	192458	6.00	425752	7.14	435157	9.58	484681	10.89

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP60221-MB1	187442	4.37	751828	5.10	428489	6.17	793850	7.31	757409	9.74	808373	11.06
OP60225-MB1	176424	4.37	690835	5.10	396090	6.17	644894	7.31	625809	9.74	688398	11.06
OP60225-BS1	176071	4.37	681408	5.10	395144	6.17	689703	7.31	610310	9.74	668939	11.06
OP60221-MS	177233	4.37	610708	5.10	420418	6.17	745608	7.31	586357	9.74	620209	11.06
OP60221-MSD	184311	4.37	694993	5.10	368899	6.17	679000	7.31	679770	9.75	711605	11.06
JE2333-9	185416	4.37	723134	5.10	416022	6.17	710963	7.31	678168	9.76	805583	11.07
ZZZZZZ	194677	4.37	730520	5.10	377514	6.17	648133	7.31	577053	9.74	695361	11.06
ZZZZZZ	158839	4.37	657187	5.10	375586	6.17	716532	7.31	532315	9.74	701982	11.06
ZZZZZZ	170041	4.37	636700	5.10	362703	6.17	715283	7.31	645303	9.74	618827	11.06
ZZZZZZ	194193	4.37	741251	5.10	406946	6.17	706774	7.31	626456	9.74	700836	11.06
ZZZZZZ	146031	4.37	576875	5.10	385275	6.17	589803	7.31	552386	9.74	644858	11.06
ZZZZZZ	172507	4.37	630115	5.10	362773	6.17	565336	7.31	507104	9.74	739564	11.06
JE1542-3T [e]	169527	4.37	635810	5.10	315843	6.17	661145	7.31	628205	9.75	644165	11.07
JE1542-5T [e]	202931	4.37	686418	5.10	384104	6.17	563127	7.31	587009	9.75	776192	11.07
JE1542-7T [e]	189604	4.37	765276	5.10	427289	6.17	727373	7.31	630856	9.75	770198	11.07
JE1542-9T [e]	150555	4.37	567199	5.10	322223	6.17	549563	7.31	579410	9.75	709973	11.07
JE1542-11T [e]	182307	4.37	753885	5.10	412311	6.17	664236	7.31	639816	9.75	796127	11.07
OP60225-MS	191157	4.37	700607	5.10	395376	6.17	658315	7.31	600940	9.75	644035	11.07
OP60225-MSD	142912	4.37	562261	5.10	334642	6.17	572017	7.31	605700	9.75	782239	11.07
JE1770-4	163124	4.37	729529	5.10	340974	6.17	673561	7.31	604907	9.75	653125	11.07
ZZZZZZ	206591	4.37	802232	5.10	423910	6.17	684012	7.31	629977	9.75	787036	11.07
ZZZZZZ	197498	4.37	767604	5.10	422885	6.17	722252	7.31	639869	9.75	748153	11.07
ZZZZZZ	176970	4.37	599427	5.10	334350	6.17	551705	7.31	508146	9.75	630389	11.07

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Initial Cal is: E6P4256-ICC4256 6P517500.D 09/13/24 09:53
(b) Check Std Limit = -50 to + 100% of initial cal area.

Internal Standard Area Summary

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	E6P4336-CC4256	**Injection Date:**	12/17/24
Lab File ID:	6P519533.D	**Injection Time:**	10:02
Instrument ID:	GCMS6P	**Method:**	SW846 8270E

Lab Sample ID	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT	IS 3 AREA	IS 3 RT	IS 4 AREA	IS 4 RT	IS 5 AREA	IS 5 RT	IS 6 AREA	IS 6 RT

(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.
(e) Sample extracted outside the holding time.

Internal Standard Area Summary

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	ECS377-CC369	**Injection Date:**	12/20/24
Lab File ID:	CS7297.D	**Injection Time:**	10:46
Instrument ID:	GCMSCS	**Method:**	SW846 8270E

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Initial Cal [a]	45997	3.46	165879	4.17	88622	5.22	140428	6.43	100708	9.31	122317	10.89
Check Std [b]	40993	3.36	156060	4.07	84991	5.10	145241	6.28	107548	9.14	135403	10.72
Upper Limit [c]	81986	3.53	312120	4.24	169982	5.27	290482	6.45	215096	9.31	270806	10.89
Lower Limit [d]	20497	3.19	78030	3.90	42496	4.93	72621	6.11	53774	8.97	67702	10.55

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
ZZZZZZ	47607	3.36	180238	4.07	97327	5.10	165615	6.28	133526	9.14	140341	10.72
ZZZZZZ	50209	3.36	184795	4.07	99535	5.10	166127	6.28	133164	9.14	134090	10.72
ZZZZZZ	52684	3.36	192370	4.07	104383	5.10	169463	6.28	140183	9.14	140078	10.72
ZZZZZZ	50542	3.36	191956	4.07	98655	5.10	157437	6.28	120976	9.14	128132	10.72
ZZZZZZ	43466	3.36	165108	4.08	91018	5.10	153548	6.28	124735	9.15	119651	10.73
ZZZZZZ	45488	3.37	161983	4.08	84720	5.11	136895	6.29	106636	9.16	107340	10.74
ZZZZZZ	43840	3.37	163808	4.08	85849	5.11	137668	6.29	112086	9.16	113761	10.74
ZZZZZZ	45185	3.37	162116	4.08	84548	5.11	140689	6.29	111887	9.16	111555	10.75
ZZZZZZ	50221	3.37	182730	4.08	94897	5.11	151715	6.29	121243	9.17	122836	10.75
ZZZZZZ	48713	3.37	175095	4.08	94634	5.11	149589	6.29	115635	9.17	121104	10.75
OP59876-MS	43999	3.37	164931	4.08	88971	5.11	149140	6.29	109317	9.17	123947	10.75
OP59876-MSD	42781	3.37	161670	4.08	87858	5.11	146751	6.30	112884	9.17	124363	10.75

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Initial Cal is: ECS369-ICC369 CS7079.D 12/09/24 14:56
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

Internal Standard Area Summary

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	ECT471-CC443	**Injection Date:**	12/09/24
Lab File ID:	CT10189.D	**Injection Time:**	09:02
Instrument ID:	GCMSCT	**Method:**	SW846 8270E

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Initial Cal [a]	261933	4.35	1073965	5.06	643515	6.15	1214094	7.29	995948	9.71	1150962	11.03
Check Std [b]	208994	4.20	838600	4.93	459683	5.97	803947	7.09	731942	9.48	812855	10.78
Upper Limit [c]	417988	4.37	1677200	5.10	919366	6.14	1607894	7.26	1463884	9.65	1625710	10.95
Lower Limit [d]	104497	4.03	419300	4.76	229842	5.80	401974	6.92	365971	9.31	406428	10.61

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
ZZZZZZ	228718	4.20	883181	4.93	472621	5.98	778674	7.08	612562	9.48	613351	10.77
ZZZZZZ	247753	4.20	959020	4.93	501713	5.97	851462	7.08	660883	9.47	643883	10.77
ZZZZZZ	205667	4.20	810527	4.93	424789	5.98	739423	7.08	618089	9.47	633679	10.77
ZZZZZZ	225240	4.20	878110	4.93	472339	5.97	785185	7.08	626812	9.47	639383	10.77
ZZZZZZ	233344	4.20	899493	4.93	482422	5.97	808673	7.08	627649	9.47	619179	10.77
ZZZZZZ	234323	4.20	888224	4.93	469948	5.97	796055	7.08	634085	9.47	628679	10.77
ZZZZZZ	205402	4.20	774723	4.93	414785	5.97	707212	7.08	617666	9.47	608786	10.77
ZZZZZZ	213419	4.20	821960	4.93	439676	5.97	725386	7.08	579275	9.47	602451	10.77
ZZZZZZ	220146	4.20	877500	4.93	458617	5.97	758306	7.08	586546	9.47	614156	10.77
JE1542-4	188929	4.20	743610	4.93	417436	5.97	735567	7.08	691963	9.47	782914	10.77
JE1542-6	196013	4.20	773974	4.93	427209	5.97	738437	7.08	677420	9.47	797240	10.77
JE1542-10	210132	4.20	825959	4.93	454981	5.97	783435	7.08	723965	9.47	836158	10.77
JE1542-12	206367	4.20	818683	4.93	449658	5.97	769906	7.08	710565	9.47	820616	10.77
ZZZZZZ	205205	4.20	795161	4.93	449130	5.97	798971	7.08	731670	9.47	826799	10.77
ZZZZZZ	222007	4.20	852425	4.93	457455	5.97	779417	7.08	727970	9.47	858378	10.77
ZZZZZZ	204891	4.20	798522	4.93	427399	5.97	725744	7.08	646056	9.47	757111	10.77
ZZZZZZ	210769	4.20	809508	4.93	434255	5.97	724102	7.08	623286	9.47	754724	10.77
ZZZZZZ	225061	4.20	839238	4.93	426727	5.97	691835	7.08	683201	9.50	972362	10.81
ZZZZZZ	204586	4.20	787529	4.93	417046	5.97	706486	7.08	670117	9.47	786727	10.77
ZZZZZZ	224800	4.20	861284	4.93	452332	5.97	735759	7.08	640584	9.48	778506	10.78
ZZZZZZ	200813	4.20	778136	4.93	418645	5.97	716726	7.08	666447	9.47	782298	10.77
ZZZZZZ	213571	4.20	818253	4.93	438698	5.97	727885	7.08	629597	9.47	759125	10.77
ZZZZZZ	211628	4.20	805779	4.93	422508	5.97	693788	7.08	661988	9.48	801563	10.79
ZZZZZZ	193916	4.20	720161	4.93	382570	5.97	624181	7.08	564800	9.47	682801	10.77
ZZZZZZ	221519	4.20	836818	4.93	432814	5.97	712056	7.08	645585	9.47	789526	10.77
ZZZZZZ	210800	4.20	804843	4.93	421086	5.97	664465	7.08	606223	9.47	731263	10.77
ZZZZZZ	191644	4.22	680686	4.94	450607	5.98	743920	7.08	688474	9.47	810538	10.77
ZZZZZZ	218925	4.20	829873	4.93	444059	5.97	727811	7.08	702337	9.48	824428	10.79

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10

Internal Standard Area Summary

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	ECT471-CC443	**Injection Date:**	12/09/24
Lab File ID:	CT10189.D	**Injection Time:**	09:02
Instrument ID:	GCMSCT	**Method:**	SW846 8270E

Lab Sample ID	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT	IS 3 AREA	IS 3 RT	IS 4 AREA	IS 4 RT	IS 5 AREA	IS 5 RT	IS 6 AREA	IS 6 RT

IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Initial Cal is: ECT443-ICC443 CT9459.D 10/21/24 16:03
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

Internal Standard Area Summary

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	EF9931-CC9899	**Injection Date:**	12/18/24
Lab File ID:	F223560.D	**Injection Time:**	08:55
Instrument ID:	GCMSF	**Method:**	SW846 8270E

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Initial Cal [a]	51226	4.76	196878	5.66	106090	7.04	207792	8.67	202954	12.51	214191	14.60
Check Std [b]	61899	4.64	223724	5.54	128030	6.90	252581	8.49	244024	12.30	267249	14.39
Upper Limit [c]	123798	4.81	447448	5.71	256060	7.07	505162	8.66	488048	12.47	534498	14.56
Lower Limit [d]	30950	4.47	111862	5.37	64015	6.73	126291	8.32	122012	12.13	133625	14.22

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP60221-BS1	45741	4.64	167401	5.54	93533	6.90	180917	8.48	176632	12.29	197317	14.38
OP60259B-MB1	37601	4.64	141287	5.54	81591	6.90	163642	8.48	152362	12.29	166047	14.38
OP60259-MB1	37601	4.64	141287	5.54	81591	6.90	163642	8.48	152362	12.29	166047	14.38
OP60259-BS1	39716	4.64	147456	5.54	83925	6.90	165434	8.48	162148	12.29	176612	14.38
OP60259B-BS1	39716	4.64	147456	5.54	83925	6.90	165434	8.48	162148	12.29	176612	14.38
OP60259-BSD	40462	4.64	152640	5.54	85555	6.90	166678	8.48	163535	12.29	177773	14.38
OP60259B-BSD	40462	4.64	152640	5.54	85555	6.90	166678	8.48	163535	12.29	177773	14.38
ZZZZZZ	41170	4.64	150098	5.54	87871	6.90	170809	8.48	161709	12.29	182735	14.38
ZZZZZZ	47534	4.64	176154	5.54	101706	6.90	200696	8.48	189981	12.29	214472	14.38
ZZZZZZ	42721	4.64	157463	5.54	91016	6.90	176351	8.48	171797	12.29	191860	14.38
ZZZZZZ	43067	4.64	159818	5.54	91082	6.90	177792	8.48	168678	12.29	189980	14.38
ZZZZZZ	43229	4.64	161451	5.54	91604	6.90	179490	8.48	169860	12.29	192013	14.38
ZZZZZZ	40753	4.64	148947	5.54	86911	6.90	169804	8.48	161946	12.29	183931	14.38
ZZZZZZ	37290	4.64	137821	5.54	79452	6.90	155138	8.48	145524	12.29	167042	14.38
ZZZZZZ	42721	4.64	161626	5.54	90760	6.90	176169	8.48	168093	12.29	193046	14.38
ZZZZZZ	42273	4.64	155089	5.54	89328	6.90	176066	8.48	164656	12.29	184177	14.38
ZZZZZZ	37692	4.64	141951	5.54	79896	6.90	158451	8.48	152262	12.29	169884	14.38
ZZZZZZ	40309	4.64	150986	5.54	85568	6.90	168887	8.48	163572	12.29	182980	14.38
ZZZZZZ	40470	4.64	151071	5.54	87929	6.90	170230	8.48	162497	12.29	185165	14.38
ZZZZZZ	40979	4.64	154321	5.54	88051	6.90	170288	8.48	164338	12.29	186970	14.38

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Initial Cal is: EF9899-ICC9899 F222739.D 11/07/24 10:56
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

Surrogate Recovery Summary

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Method: SW846 8270E **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
JE1542-2	4P694159.D	48	56	52
JE1542-4	CT10201.D	64	78	69
JE1542-4	4P694160.D	63	67	61
JE1542-6	CT10202.D	53	64	60
JE1542-6	4P694161.D	56	57	49
JE1542-8	4P694162.D	65	68	63
JE1542-10	CT10203.D	74	88	75
JE1542-10	4P694163.D	72	74	67
JE1542-12	CT10204.D	63	77	70
JE1542-12	4P694164.D	65	70	63
JE1542-3T	6P519553.D	55	73	60
JE1542-5T	6P519554.D	68	62	76
JE1542-7T	6P519555.D	66	72	74
JE1542-9T	6P519556.D	49	68	66
JE1542-11T	6P519557.D	52	66	73
OP59876-BS1	4P694138.D	69	70	75
OP59876-MB1	4P694137.D	60	68	78
OP59876-MS	CS7310.D	61	70	77
OP59876-MSD	CS7311.D	69	71	74
OP60221-BS1	F223564.D	58	61	67
OP60221-MB1	6P519540.D	59	65	72
OP60221-MS	6P519544.D	64	62	64
OP60221-MSD	6P519545.D	45	58	45

Surrogate Compounds	Recovery Limits
S1 = Nitrobenzene-d5	10-109%
S2 = 2-Fluorobiphenyl	11-109%
S3 = Terphenyl-d14	10-120%

Initial Calibration Summary

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: E4P3698-ICC3698
Lab FileID: 4P693995.D

Response Factor Report GCMS4P

Method : C:\MSDCHEM\1\METHODS\M4P3698.M (RTE Integrator)
Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
Last Update : Mon Dec 02 10:54:52 2024
Response via : Initial Calibration

Calibration Files
2 =4p693997.D 5 =4p693998.D 100 =4p694002.D 50 =4p693995.D
1 =4p693996.D 10 =4p693999.D 80 =4p694001.D 25 =4p694000.D

Compound	2	5	100	50	1	10	80	25	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	ISTD									
2) 1,4-Dioxane	0.587	0.603	0.548	0.538	0.573	0.481	0.516	0.499	0.543	7.95
3) Pyridine	1.299	1.207	1.487	1.329	1.101	1.215	1.327	1.208	1.272	9.13
4) N-Nitrosodim	0.578	0.592	0.700	0.654	0.746	0.543	0.617	0.564	0.624	11.34
5) 2-Fluorophen	1.109	1.051	1.288	1.085	1.072	1.020	1.141	1.029	1.099	7.84
6) Indene	2.210	2.201	2.438	2.290	2.371	2.169	2.212	2.146	2.255	4.57
7) Cumene	2.485	2.375	2.750	2.477	2.469	2.380	2.418	2.412	2.471	4.88
8) Phenol-d5	1.379	1.317	1.655	1.450	1.446	1.378	1.496	1.451	1.447	7.02
9) Phenol	1.530	1.515	1.943	1.580	1.613	1.543	1.593	1.550	1.608	8.65
10) Aniline	1.933	1.819	2.176	1.942	1.946	1.921	1.975	1.904	1.952	5.21
11) bis(2-Chloro	1.212	1.119	1.319	1.188	1.217	1.151	1.194	1.141	1.193	5.19
12) 2-Chlorophen	1.285	1.191	1.445	1.335	1.361	1.261	1.316	1.245	1.305	5.97
13) Decane	1.593	1.444	1.585	1.564	1.685	1.458	1.466	1.425	1.527	6.06
14) 1,3-Dichloro	1.599	1.544	1.695	1.553	1.578	1.518	1.540	1.462	1.561	4.34
15) 1,4-Dichloro	1.567	1.593	1.704	1.583	1.684	1.511	1.559	1.487	1.586	4.77
16) Benzyl alcoh	0.791	0.823	0.964	0.910	0.753	0.837	0.885	0.830	0.849	7.97
17) 1,2-Dichloro	1.601	1.467	1.632	1.505	1.471	1.449	1.490	1.441	1.507	4.71
18) Acetophenone	1.950	1.782	2.054	1.968	2.052	1.828	1.888	1.832	1.919	5.39
19) 2-Methylphen	1.157	1.190	1.330	1.235	1.248	1.141	1.224	1.150	1.209	5.27
20) 2,2'-oxybis(	0.352	0.336	0.383	0.358	0.311	0.352	0.357	0.341	0.349	5.97
21) 3&4-Methylph	1.275	1.234	1.382	1.312	1.304	1.242	1.257	1.218	1.278	4.16
22) n-Nitroso-di	1.024	0.893	1.030	1.011	0.953	0.924	0.935	0.911	0.960	5.62
23) Hexachloroet	0.602	0.569	0.641	0.581	0.571	0.541	0.585	0.571	0.583	5.02
24) I Naphthalene-d8	ISTD									
25) Nitrobenzene	0.362	0.312	0.386	0.370	0.370	0.346	0.349	0.339	0.354	6.51
26) Nitrobenzene	0.382	0.332	0.401	0.390	0.408	0.367	0.370	0.358	0.376	6.62
27) Quinoline	0.660	0.654	0.744	0.709	0.664	0.662	0.673	0.651	0.677	4.81
28) Isophorone	0.653	0.639	0.722	0.702	0.648	0.640	0.653	0.640	0.662	4.78
29) 2-Nitropheno	0.174	0.163	0.209	0.192	0.173	0.171	0.187	0.177	0.181	8.14
30) 2,4-Dimethyl	0.365	0.346	0.387	0.372	0.345	0.343	0.355	0.344	0.357	4.56
31) Benzoic acid		0.187	0.273	0.251		0.205	0.244	0.224	0.231	13.69
32) bis(2-Chloro	0.408	0.380	0.446	0.425	0.407	0.389	0.396	0.389	0.405	5.41
33) 2,4-Dichloro	0.299	0.292	0.337	0.315	0.308	0.307	0.306	0.289	0.307	4.92
34) 2,6-Dichloro	0.287	0.285	0.334	0.309	0.284	0.289	0.303	0.288	0.297	5.86
35) 1,3,5-Trichl	0.375	0.369	0.398	0.371	0.395	0.359	0.359	0.355	0.373	4.33
36) 1,2,4-Trichl	0.343	0.334	0.374	0.352	0.353	0.331	0.334	0.330	0.344	4.37
37) 1,2,3-Trichl	0.329	0.323	0.377	0.349	0.314	0.337	0.337	0.322	0.336	5.84
38) Naphthalene	1.071	1.008	1.113	1.057	1.102	1.028	1.002	0.986	1.046	4.53
39) 4-Chloroanil	0.410	0.411	0.477	0.445	0.433	0.409	0.434	0.419	0.430	5.40
40) 2,3-Dichloro	0.319	0.337	0.378	0.359	0.350	0.328	0.340	0.328	0.342	5.62
41) Hydroquinone	0.260	0.265	0.327	0.318		0.286	0.297	0.286	0.291	8.63
42) Hexachlorobu	0.201	0.212	0.235	0.216	0.230	0.210	0.216	0.203	0.215	5.57
43) 4-Chloro-3-m	0.263	0.274	0.329	0.308	0.260	0.286	0.291	0.277	0.286	8.15
44) 2-Methylnaph	0.624	0.629	0.683	0.641	0.646	0.615	0.622	0.608	0.633	3.71
45) 1-Methylnaph	0.667	0.663	0.722	0.711	0.686	0.657	0.639	0.630	0.672	4.83

Initial Calibration Summary

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: E4P3698-ICC3698
Lab FileID: 4P693995.D

46) I Acenaphthene-d10	ISTD									
47) Hexachlorocy	0.320	0.459	0.416		0.349	0.410	0.370	0.387	13.11	
48) 1,2,4,5-Tetr	0.621	0.619	0.699	0.669	0.640	0.628	0.631	0.602	0.638	4.88
49) 2,4,6-Trichl	0.373	0.367	0.439	0.416	0.375	0.370	0.395	0.383	0.390	6.60
50) 2,4,5-Trichl	0.366	0.408	0.483	0.438	0.389	0.416	0.428	0.411	0.417	8.28
51) 2-Fluorobiph	1.325	1.282	1.505	1.412	1.387	1.345	1.344	1.296	1.362	5.31
52) 2-Chloronaph	1.115	1.100	1.280	1.197	1.130	1.099	1.152	1.113	1.148	5.41
53) Biphenyl	1.482	1.472	1.667	1.581	1.547	1.473	1.501	1.426	1.519	5.05
54) 2-Nitroanili	0.315	0.286	0.371	0.352	0.301	0.316	0.333	0.310	0.323	8.65
55) Dimethylphth	1.292	1.237	1.463	1.368	1.333	1.280	1.310	1.262	1.318	5.41
56) Acenaphthyle	1.591	1.534	1.855	1.719	1.569	1.570	1.631	1.576	1.631	6.53
57) 2,6-Dinitrot	0.260	0.234	0.317	0.293	0.230	0.256	0.280	0.256	0.266	11.09
58) 3-Nitroanili	0.293	0.281	0.360	0.327	0.256	0.290	0.320	0.303	0.304	10.49
59) Acenaphthene	1.241	1.231	1.385	1.294	1.178	1.211	1.250	1.178	1.246	5.47
60) 2,4-Dinitrop	0.086	0.095	0.211	0.175		0.122	0.185	0.142	0.145	32.45
---- Quadratic regression ---- Coefficient = 0.9989										
Response Ratio = -0.00586 + 0.12847 *A + 0.01624 *A^2										
61) 4-Nitropheno	0.125	0.192	0.173		0.143	0.173	0.155	0.160	15.05	
62) Dibenzofuran	1.698	1.599	1.865	1.748	1.717	1.642	1.678	1.597	1.693	5.20
63) 2,4-Dinitrot	0.309	0.340	0.448	0.415	0.355	0.356	0.402	0.364	0.374	12.04
64) 2,3,4,6-Tetr	0.326	0.319	0.407	0.374	0.319	0.341	0.363	0.337	0.348	8.93
65) Diethylphtha	1.271	1.223	1.466	1.345	1.342	1.245	1.305	1.244	1.305	6.09
66) Fluorene	1.346	1.247	1.497	1.415	1.359	1.314	1.334	1.286	1.350	5.76
67) 4-Chlorophen	0.619	0.624	0.735	0.674	0.639	0.645	0.656	0.619	0.651	5.97
68) 4-Nitroanili	0.266	0.284	0.342	0.343	0.217	0.296	0.306	0.309	0.295	13.89
69) I Phenanthrene-d10	ISTD									
70) 4,6-Dinitro-	0.083	0.155	0.134		0.103	0.135	0.119	0.121	21.22	
---- Quadratic regression ---- Coefficient = 0.9979										
Response Ratio = -0.00367 + 0.11292 *A + 0.01589 *A^2										
71) n-Nitrosodip	0.598	0.547	0.684	0.614	0.575	0.594	0.602	0.585	0.600	6.64
72) Pentachloron	0.038	0.035	0.046	0.039	0.034	0.037	0.041	0.038	0.038#	10.23
73) 1,2-Diphenyl	0.687	0.648	0.794	0.735	0.721	0.716	0.707	0.696	0.713	5.88
74) 2,4,6-Tribro	0.100	0.091	0.116	0.100		0.096	0.104	0.098	0.101	7.85
75) 4-Bromopheny	0.221	0.207	0.253	0.222	0.218	0.213	0.224	0.215	0.222	6.26
76) Hexachlorobe	0.249	0.215	0.267	0.233	0.225	0.227	0.231	0.229	0.234	6.90
77) Pentachlorop	0.133	0.124	0.190	0.160		0.141	0.163	0.153	0.152	14.38
78) Phenanthrene	1.123	1.052	1.225	1.128	1.182	1.087	1.089	1.071	1.120	5.23
79) Anthracene	1.054	1.050	1.252	1.139	1.035	1.081	1.102	1.092	1.101	6.34
80) Carbazole	0.983	0.973	1.146	1.046	0.970	0.977	1.014	0.977	1.011	5.99
81) Di-n-butylph	1.062	1.085	1.419	1.269	1.140	1.170	1.253	1.185	1.198	9.61
82) Fluoranthene	1.096	1.104	1.414	1.195	1.240	1.205	1.259	1.202	1.214	8.20
83) Octadecane	0.447	0.411	0.529	0.501	0.468	0.457	0.471	0.456	0.468	7.59
84) I Chrysene-d12	ISTD									
85) Benzidine	0.692	0.811	0.730		0.936	0.855	0.821	0.807	10.84	
86) Pyrene	1.179	1.372	1.449	1.343	1.278	1.688	1.452	1.499	1.407	10.91
87) Terphenyl-d1	0.818	1.018	1.070	0.984	0.874	1.041	1.067	1.088	0.995	9.91
88) Butylbenzylp	0.432	0.475	0.629	0.565	0.449	0.545	0.630	0.614	0.542	14.95
89) Benzo[a]anth	1.313	1.206	1.465	1.337	1.343	1.225	1.321	1.194	1.301	6.92
90) 3,3'-Dichlor	0.444	0.392	0.578	0.497	0.441	0.442	0.499	0.422	0.464	12.55
91) Chrysene	1.233	1.165	1.391	1.258	1.267	1.189	1.280	1.248	1.254	5.41
92) bis(2-Ethylh	0.773	0.765	0.965	0.869	0.735	0.801	0.884	0.836	0.828	9.13
93) I Perylene-d12	ISTD									
94) Di-n-octylph	1.215	0.938		1.395	1.003	1.083	1.359	1.263	1.179	14.92
95) Benzo[b]fluo	1.213	1.144	1.423	1.230	1.159	1.196	1.292	1.250	1.238	7.15

Initial Calibration Summary

Job Number: JE1542 **Sample:** E4P3698-ICC3698
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 4P693995.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

96)	Benzo[k]fluo	1.144	1.096	1.360	1.213	1.088	1.183	1.149	1.159	1.174	7.30
97)	Benzo[a]pyre	0.998	0.977	1.213	1.020	1.075	1.036	1.071	0.985	1.047	7.31
98)	Indeno[1,2,3	1.370	1.311	1.657	1.339	1.404	1.399	1.358	1.313	1.394	8.03
99)	Dibenz(a,h)a	0.881	0.848	1.079	0.949	0.930	0.891	0.943	0.698	0.903	11.92
100)	Dibenz[a,h]a	1.136	1.037	1.366	1.086	1.143	1.131	1.093	1.053	1.130	9.08
101)	7,12-Dimethy	0.499	0.463	0.607	0.516	0.468	0.486	0.530	0.501	0.509	8.99
102)	Benzo[g,h,i]	1.048	1.024	1.189	0.890	1.106	1.059	0.924	1.202	1.055	10.60
103)	I 1,4-Dichlorobenzene-d	ISTD									
104)	Benzaldehyde	1.189	1.187	1.391	1.135	1.458	1.025	1.225	1.102	1.214	11.92
105)	I Acenaphthene-d10a	ISTD									
106)	Atrazine	0.159	0.155	0.189	0.188	0.163	0.177	0.181	0.173		8.12
107)	I Chrysene-d12a	ISTD									
108)	1-chloroocta	0.298	0.310	0.336	0.341	0.349	0.315	0.328	0.328	0.326	5.18
109)	I Phenanthrene-d10a	ISTD									
110)	o-terphenyl	0.509	0.529	0.575	0.614	0.626	0.572	0.536	0.562	0.565	7.18
111)	I Naphthalene-d8a	ISTD									
112)	Caprolactam	0.156	0.162	0.173	0.165	0.199	0.160	0.169	0.162	0.168	7.95

(#) = Out of Range ### Number of calibration levels exceeded format ###

M4P3698.M Mon Dec 02 10:57:30 2024

Initial Calibration Verification

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: E4P3698-ICV3698
Lab FileID: 4P694011.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\e4p3698\4p694011.D Vial: 18
Acq On : 27 Nov 2024 8:19 pm Operator: rocquans
Sample : icv3698-50 Inst : GCMS4P
Misc : op55645,e4p3698,1000,,,1,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\M4P3698.M (RTE Integrator)
Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
Last Update : Mon Dec 02 10:20:50 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00	4.58
2	t	1,4-Dioxane	0.543	0.537	1.1	105	0.00	2.68
6	t	Indene	2.255	2.310	-2.4	106	0.00	4.75
7	t	Cumene	2.471	2.779	-12.5	118	0.00	4.09
11	t	bis(2-Chloroethyl)ether	1.193	1.244	-4.3	110	0.00	4.41
13	t	Decane	1.527	1.541	-0.9	104	0.00	4.47
14	t	1,3-Dichlorobenzene	1.561	1.644	-5.3	111	0.00	4.55
15	t	1,4-Dichlorobenzene	1.586	1.644	-3.7	109	0.00	4.60
16	t	Benzyl alcohol	0.849	0.834	1.8	97	0.00	4.67
17	t	1,2-Dichlorobenzene	1.507	1.472	2.3	103	0.00	4.69
18	t	Acetophenone	1.919	1.849	3.6	99	0.00	4.83
20	t	2,2'-oxybis(1-Chloropropa	0.349	0.361	-3.4	106	0.00	4.74
23	t	Hexachloroethane	0.583	0.593	-1.7	107	0.00	4.90
24	I	Naphthalene-d8	1.000	1.000	0.0	107	0.00	5.38
26	t	Nitrobenzene	0.376	0.346	8.0	95	0.00	4.94
27	t	Quinoline	0.677	0.705	-4.1	107	-0.01	5.60
28	t	Isophorone	0.662	0.648	2.1	99	0.00	5.08
32	t	bis(2-Chloroethoxy)methan	0.405	0.395	2.5	100	0.00	5.21
35	t	1,3,5-Trichlorobenzene	0.373	0.368	1.3	106	0.00	5.14
36	t	1,2,4-Trichlorobenzene	0.344	0.371	-7.8	113	0.00	5.34
37	t	1,2,3-Trichlorobenzene	0.336	0.363	-8.0	111	0.00	5.48
38	t	Naphthalene	1.046	1.090	-4.2	110	0.00	5.39
40	t	2,3-Dichloroaniline	0.342	0.353	-3.2	105	0.00	6.03
42	t	Hexachlorobutadiene	0.215	0.229	-6.5	113	0.00	5.46
44	t	2-Methylnaphthalene	0.633	0.654	-3.3	109	0.00	5.84
45	t	1-Methylnaphthalene	0.672	0.694	-3.3	105	0.00	5.91
46	I	Acenaphthene-d10	1.000	1.000	0.0	102	0.00	6.62
47	t	Hexachlorocyclopentadiene	0.387	0.474	-22.5	116	0.00	5.94
48		1,2,4,5-Tetrachlorobenzen	0.638	0.710	-11.3	108	0.00	5.95

Initial Calibration Verification

Job Number: JE1542 **Sample:** E4P3698-ICV3698
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 4P694011.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

52	t	2-Chloronaphthalene	1.148	1.246	-8.5	106	0.00	6.19
53	t	Biphenyl	1.519	1.647	-8.4	106	0.00	6.17
55	t	Dimethylphthalate	1.318	1.376	-4.4	103	0.00	6.39
56	t	Acenaphthylene	1.631	1.806	-10.7	107	0.00	6.50
57	t	2,6-Dinitrotoluene	0.266	0.281	-5.6	98	0.00	6.44
59	t	Acenaphthene	1.246	1.370	-10.0	108	0.00	6.64
62	t	Dibenzofuran	1.693	1.869	-10.4	109	0.00	6.78
63	t	2,4-Dinitrotoluene	0.374	0.413	-10.4	102	0.00	6.77
65	t	Diethylphthalate	1.305	1.365	-4.6	104	-0.01	6.96
66	t	Fluorene	1.350	1.489	-10.3	107	0.00	7.08
67	t	4-Chlorophenyl-phenylethe	0.651	0.728	-11.8	110	0.00	7.07
69	I	Phenanthrene-d10	1.000	1.000	0.0	111	0.00	7.97
72		Pentachloronitrobenzene	0.038	0.041#	-7.9	115	0.00	7.79
73	t	1,2-Diphenylhydrazine	0.713	0.675	5.3	102	0.00	7.21
75	t	4-Bromophenyl-phenylether	0.222	0.232	-4.5	116	0.00	7.52
76	t	Hexachlorobenzene	0.234	0.240	-2.6	115	0.00	7.59
78	t	Phenanthrene	1.120	1.104	1.4	109	0.00	7.99
79	t	Anthracene	1.101	1.130	-2.6	111	0.00	8.05
80	t	Carbazole	1.011	1.028	-1.7	110	0.00	8.22
81	t	Di-n-butylphthalate	1.198	1.257	-4.9	110	0.00	8.59
82	t	Fluoranthene	1.214	1.233	-1.6	115	0.00	9.28
83	t	Octadecane	0.468	0.476	-1.7	106	0.00	7.85
84	I	Chrysene-d12	1.000	1.000	0.0	112	0.00	10.95
86	t	Pyrene	1.407	1.463	-4.0	122	0.00	9.54
88	t	Butylbenzylphthalate	0.542	0.586	-8.1	116	0.00	10.32
89	t	Benzo[a]anthracene	1.301	1.401	-7.7	117	0.00	10.94
91	t	Chrysene	1.254	1.372	-9.4	122	0.00	10.98
92	t	bis(2-Ethylhexyl)phthalat	0.828	0.898	-8.5	116	0.00	11.02
93	I	Perylene-d12	1.000	1.000	0.0	120	0.00	12.54
94	t	Di-n-octylphthalate	1.179	1.462	-24.0	125	0.00	11.76
95	t	Benzo[b]fluoranthene	1.238	1.385	-11.9	135	0.00	12.15
96	t	Benzo[k]fluoranthene	1.174	1.198	-2.0	118	0.00	12.18
97	t	Benzo[a]pyrene	1.047	1.125	-7.4	132	0.00	12.49
98	t	Indeno[1,2,3-cd]pyrene	1.394	1.517	-8.8	136	0.00	13.78
99	t	Dibenz(a,h)acridine	0.903	0.998	-10.5	126	0.00	13.50
100	t	Dibenz[a,h]anthracene	1.130	1.257	-11.2	139	0.00	13.81
101	t	7,12-Dimethylbenz(a)anthr	0.509	0.506	0.6	117	0.00	12.14
102	t	Benzo[g,h,i]perylene	1.055	1.188	-12.6	160	0.00	14.14

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Initial Calibration Verification

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: E4P3698-ICV3698
Lab FileID: 4P694011.D

4p693995.D M4P3698.M Mon Dec 02 10:33:20 2024

Initial Calibration Verification

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Sample: E4P3698-ICV3698
Lab FileID: 4P694012.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\e4p3698\4p694012.D Vial: 19
Acq On : 27 Nov 2024 8:42 pm Operator: rocquans
Sample : icv3698-50 Inst : GCMS4P
Misc : op55645,e4p3698,1000,,,1,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\M4P3698.M (RTE Integrator)
Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
Last Update : Mon Dec 02 10:20:50 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	118	0.00	4.59
9	t	Phenol	1.608	1.606	0.1	120	0.00	4.35
12	t	2-Chlorophenol	1.305	1.325	-1.5	117	0.00	4.45
19	t	2-Methylphenol	1.209	1.202	0.6	115	0.00	4.73
21	t	3&4-Methylphenol	1.278	1.294	-1.3	116	0.00	4.83
24	I	Naphthalene-d8	1.000	1.000	0.0	123	0.00	5.38
29	t	2-Nitrophenol	0.181	0.180	0.6	115	0.00	5.14
30	t	2,4-Dimethylphenol	0.357	0.353	1.1	117	0.00	5.15
31	t	Benzoic acid	0.231	0.243	-5.2	119	0.00	5.22
33	t	2,4-Dichlorophenol	0.307	0.304	1.0	118	0.00	5.28
34	t	2,6-Dichlorophenol	0.297	0.301	-1.3	120	0.00	5.42
41	t	Hydroquinone	0.291	0.342	-17.5	132	-0.04	5.63
43	t	4-Chloro-3-methylphenol	0.286	0.292	-2.1	117	-0.01	5.72
46	I	Acenaphthene-d10	1.000	1.000	0.0	123	0.00	6.62
49	t	2,4,6-Trichlorophenol	0.390	0.409	-4.9	121	0.00	6.03
50	t	2,4,5-Trichlorophenol	0.417	0.433	-3.8	122	0.00	6.06
		----------	True	Calc.	% Drift	----------		
60	t	2,4-Dinitrophenol	100.000	98.277	1.7	115	-0.01	6.66
		----------	AvgRF	CCRF	% Dev	----------		
61	t	4-Nitrophenol	0.160	0.166	-3.8	119	0.00	6.71
64	t	2,3,4,6-Tetrachlorophenol	0.348	0.368	-5.7	121	0.00	6.88
69	I	Phenanthrene-d10	1.000	1.000	0.0	129	0.00	7.97

Initial Calibration Verification

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: E4P3698-ICV3698
Lab FileID: 4P694012.D

			True	Calc.	% Drift			
70	t	4,6-Dinitro-2-methylpheno	50.000	47.983	4.0	120	0.00	7.12
77	t	Pentachlorophenol	0.152	0.155	-2.0	124	0.00	7.78

(#) = Out of Range SPCC's out = 0 CCC's out = 0
4p693995.D M4P3698.M Mon Dec 02 10:33:22 2024

Initial Calibration Verification

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: E4P3698-ICV3698
Lab FileID: 4P694013.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\e4p3698\4p694013.D Vial: 20
Acq On : 27 Nov 2024 9:05 pm Operator: rocquans
Sample : icv3698-50 Inst : GCMS4P
Misc : op55645,e4p3698,1000,,,1,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\M4P3698.M (RTE Integrator)
Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
Last Update : Mon Dec 02 10:20:50 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	125	0.00	4.59
3	t	Pyridine	1.272	1.304	-2.5	123	0.00	2.92
4	t	N-Nitrosodimethylamine	0.624	0.600	3.8	115	0.00	2.89
10	t	Aniline	1.952	2.031	-4.0	131	0.00	4.38
22	t	n-Nitroso-di-n-propylamin	0.960	0.976	-1.7	121	0.00	4.83
24	I	Naphthalene-d8	1.000	1.000	0.0	130	0.00	5.38
39	t	4-Chloroaniline	0.430	0.431	-0.2	126	0.00	5.42
46	I	Acenaphthene-d10	1.000	1.000	0.0	133	0.00	6.62
54	t	2-Nitroaniline	0.323	0.330	-2.2	124	0.00	6.26
58	t	3-Nitroaniline	0.304	0.318	-4.6	129	-0.01	6.58
68	t	4-Nitroaniline	0.295	0.308	-4.4	119	0.00	7.10
69	I	Phenanthrene-d10	1.000	1.000	0.0	133	0.00	7.97
		----------	AvgRF	CCRF	% Dev	----------		
71	t	n-Nitrosodiphenylamine	0.600	0.597	0.5	130	0.00	7.18
84	I	Chrysene-d12	1.000	1.000	0.0	134	-0.01	10.95
85		Benzidine	0.807	0.880	-9.0	161	0.00	9.44
90	t	3,3'-Dichlorobenzidine	0.464	0.504	-8.6	136	0.00	10.92

(#) = Out of Range SPCC's out = 0 CCC's out = 0
4p693995.D M4P3698.M Mon Dec 02 10:33:24 2024

Initial Calibration Verification

Job Number: JE1542 **Sample:** E4P3698-ICV3698
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 4P694014.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\e4p3698\4p694014.D Vial: 21
Acq On : 27 Nov 2024 9:28 pm Operator: rocquans
Sample : icv3698-50 Inst : GCMS4P
Misc : op55645,e4p3698,1000,,,1,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\M4P3698.M (RTE Integrator)
Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
Last Update : Mon Dec 02 10:54:52 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
103 I	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	105	0.00	4.59
104 t	Benzaldehyde	1.214	1.090	10.2	101	0.00	4.31
105 I	Acenaphthene-d10a	1.000	1.000	0.0	103	0.00	6.62
106 t	Atrazine	0.173	0.183	-5.8	100	0.00	7.68
111 I	Naphthalene-d8a	1.000	1.000	0.0	107	0.00	5.38
112	Caprolactam	0.168	0.148	11.9	96	0.00	5.64

(#) = Out of Range SPCC's out = 0 CCC's out = 0
4p694008a.D M4P3698.M Mon Dec 02 10:57:42 2024

Continuing Calibration Summary

Job Number: JE1542 **Sample:** E4P3703-CC3698
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 4P694134.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : X:\Dayton SVOA GCMS\...06\E4P3703\4p694134.d Vial: 2
Acq On : 6 Dec 2024 9:12 am Operator: kaleigh
Sample : cc3698-50 Inst : GCMS4P
Misc : op55645,e4p3703,1000,,,1,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : X:\Dayton SVOA G...Method\M4P3698.M (RTE Integrator)
Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
Last Update : Fri Dec 06 18:18:31 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	133	0.00	4.57
2	t	1,4-Dioxane	0.543	0.524	3.5	130	0.00	2.65
3	t	Pyridine	1.272	1.454	-14.3	146	0.00	2.89
4	t	N-Nitrosodimethylamine	0.624	0.726	-16.3	148	0.00	2.86
5	S	2-Fluorophenol	1.099	1.254	-14.1	154	0.00	3.76
6	t	Indene	2.255	2.265	-0.4	132	0.00	4.73
7	t	Cumene	2.471	2.669	-8.0	143	0.00	4.08
8	S	Phenol-d5	1.447	1.556	-7.5	143	0.00	4.34
9	t	Phenol	1.608	1.797	-11.8	151	0.00	4.36
10	t	Aniline	1.952	2.018	-3.4	138	0.00	4.37
11	t	bis(2-Chloroethyl)ether	1.193	1.224	-2.6	137	0.00	4.40
12	t	2-Chlorophenol	1.305	1.399	-7.2	140	0.00	4.45
13	t	Decane	1.527	1.509	1.2	129	0.00	4.46
14	t	1,3-Dichlorobenzene	1.561	1.585	-1.5	136	0.00	4.54
15	t	1,4-Dichlorobenzene	1.586	1.573	0.8	132	0.00	4.59
16	t	Benzyl alcohol	0.849	0.929	-9.4	136	0.00	4.66
17	t	1,2-Dichlorobenzene	1.507	1.523	-1.1	135	0.00	4.68
18	t	Acetophenone	1.919	1.959	-2.1	133	0.00	4.83
19	t	2-Methylphenol	1.209	1.274	-5.4	137	0.00	4.73
20	t	2,2'-oxybis(1-Chloropropa	0.349	0.365	-4.6	136	0.00	4.73
21	t	3&4-Methylphenol	1.278	1.325	-3.7	135	0.00	4.83
22	t	n-Nitroso-di-n-propylamin	0.960	1.013	-5.5	133	0.00	4.82
23	t	Hexachloroethane	0.583	0.590	-1.2	135	0.00	4.90
24	I	Naphthalene-d8	1.000	1.000	0.0	135	0.00	5.38
25	S	Nitrobenzene-d5	0.354	0.371	-4.8	136	0.00	4.92
26	t	Nitrobenzene	0.376	0.391	-4.0	136	0.00	4.93
27	t	Quinoline	0.677	0.701	-3.5	134	0.00	5.61
28	t	Isophorone	0.662	0.695	-5.0	134	0.00	5.08
29	t	2-Nitrophenol	0.181	0.200	-10.5	141	0.00	5.14
30	t	2,4-Dimethylphenol	0.357	0.372	-4.2	136	0.00	5.16
31	t	Benzoic acid	0.231	0.253	-9.5	136	0.00	5.24
32	t	bis(2-Chloroethoxy)methan	0.405	0.419	-3.5	133	0.00	5.20
33	t	2,4-Dichlorophenol	0.307	0.323	-5.2	139	0.00	5.29
34	t	2,6-Dichlorophenol	0.297	0.322	-8.4	141	0.00	5.42
35	t	1,3,5-Trichlorobenzene	0.373	0.369	1.1	135	0.00	5.14
36	t	1,2,4-Trichlorobenzene	0.344	0.356	-3.5	137	0.00	5.33
37	t	1,2,3-Trichlorobenzene	0.336	0.349	-3.9	136	0.00	5.48
38	t	Naphthalene	1.046	1.053	-0.7	135	0.00	5.39
39	t	4-Chloroaniline	0.430	0.444	-3.3	135	0.00	5.42
40	t	2,3-Dichloroaniline	0.342	0.358	-4.7	135	0.00	6.03
41	t	Hydroquinone	0.291	0.300	-3.1	127	0.00	5.67

Continuing Calibration Summary

Job Number: JE1542 **Sample:** E4P3703-CC3698
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 4P694134.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

42	t	Hexachlorobutadiene	0.215	0.219	-1.9	137	0.00	5.46
43	t	4-Chloro-3-methylphenol	0.286	0.307	-7.3	135	0.00	5.73
44	t	2-Methylnaphthalene	0.633	0.646	-2.1	136	0.00	5.84
45	t	1-Methylnaphthalene	0.672	0.687	-2.2	131	0.00	5.90
46	I	Acenaphthene-d10	1.000	1.000	0.0	138	0.00	6.61
47	t	Hexachlorocyclopentadiene	0.387	0.375	3.1	124	0.00	5.94
48		1,2,4,5-Tetrachlorobenzen	0.638	0.655	-2.7	135	0.00	5.95
49	t	2,4,6-Trichlorophenol	0.390	0.409	-4.9	136	0.00	6.04
50	t	2,4,5-Trichlorophenol	0.417	0.451	-8.2	142	0.00	6.07
51	S	2-Fluorobiphenyl	1.362	1.402	-2.9	137	0.00	6.09
52	t	2-Chloronaphthalene	1.148	1.189	-3.6	137	0.00	6.18
53	t	Biphenyl	1.519	1.551	-2.1	136	0.00	6.16
54	t	2-Nitroaniline	0.323	0.354	-9.6	139	0.00	6.26
55	t	Dimethylphthalate	1.318	1.369	-3.9	138	0.00	6.39
56	t	Acenaphthylene	1.631	1.698	-4.1	137	0.00	6.50
57	t	2,6-Dinitrotoluene	0.266	0.299	-12.4	141	0.00	6.44
58	t	3-Nitroaniline	0.304	0.332	-9.2	140	0.00	6.59
59	t	Acenaphthene	1.246	1.277	-2.5	136	0.00	6.64
			True	Calc.	% Drift			
60	t	2,4-Dinitrophenol	100.000	106.784	-6.8	143	0.00	6.67
			AvgRF	CCRF	% Dev			
61	t	4-Nitrophenol	0.160	0.164	-2.5	131	0.00	6.73
62	t	Dibenzofuran	1.693	1.710	-1.0	135	0.00	6.78
63	t	2,4-Dinitrotoluene	0.374	0.426	-13.9	142	0.00	6.78
64	t	2,3,4,6-Tetrachlorophenol	0.348	0.374	-7.5	138	0.00	6.89
65	t	Diethylphthalate	1.305	1.358	-4.1	140	0.00	6.96
66	t	Fluorene	1.350	1.391	-3.0	136	0.00	7.07
67	t	4-Chlorophenyl-phenylethe	0.651	0.680	-4.5	139	0.00	7.06
68	t	4-Nitroaniline	0.295	0.333	-12.9	134	0.00	7.11
69	I	Phenanthrene-d10	1.000	1.000	0.0	138	0.00	7.97
			True	Calc.	% Drift			
70	t	4,6-Dinitro-2-methylpheno	50.000	51.611	-3.2	140	0.00	7.13
			AvgRF	CCRF	% Dev			
71	t	n-Nitrosodiphenylamine	0.600	0.620	-3.3	140	0.00	7.18
72		Pentachloronitrobenzene	0.038	0.043#	-13.2	153	0.00	7.80
73	t	1,2-Diphenylhydrazine	0.713	0.713	0.0	134	0.00	7.21
74	S	2,4,6-Tribromophenol	0.101	0.107	-5.9	147	0.00	7.30
75	t	4-Bromophenyl-phenylether	0.222	0.237	-6.8	148	0.00	7.52
76	t	Hexachlorobenzene	0.234	0.246	-5.1	146	0.00	7.59
77	t	Pentachlorophenol	0.152	0.151	0.7	130	0.00	7.79
78	t	Phenanthrene	1.120	1.135	-1.3	139	0.00	8.00
79	t	Anthracene	1.101	1.154	-4.8	140	0.00	8.05
80	t	Carbazole	1.011	1.070	-5.8	142	0.00	8.22
81	t	Di-n-butylphthalate	1.198	1.306	-9.0	143	0.00	8.59
82	t	Fluoranthene	1.214	1.328	-9.4	154	0.00	9.28
83	t	Octadecane	0.468	0.482	-3.0	133	0.00	7.84
84	I	Chrysene-d12	1.000	1.000	0.0	152	0.00	10.96
85		Benzidine	0.807	0.676	16.2	141	0.00	9.45
86	t	Pyrene	1.407	1.323	6.0	150	0.00	9.54
87	S	Terphenyl-d14	0.995	0.978	1.7	151	0.00	9.73
88	t	Butylbenzylphthalate	0.542	0.581	-7.2	157	0.00	10.32
89	t	Benzo[a]anthracene	1.301	1.313	-0.9	150	0.00	10.95
90	t	3,3'-Dichlorobenzidine	0.464	0.520	-12.1	159	0.00	10.93

Continuing Calibration Summary

Job Number: JE1542 **Sample:** E4P3703-CC3698
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 4P694134.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

91	t	Chrysene	1.254	1.258	-0.3	152	0.00	11.00
92	t	bis(2-Ethylhexyl)phthalat	0.828	0.876	-5.8	154	0.00	11.02
93	I	Perylene-d12	1.000	1.000	0.0	158	0.00	12.56
94	t	Di-n-octylphthalate	1.179	1.365	-15.8	154	0.00	11.76
95	t	Benzo[b]fluoranthene	1.238	1.329	-7.4	170	0.00	12.17
96	t	Benzo[k]fluoranthene	1.174	1.166	0.7	152	0.00	12.19
97	t	Benzo[a]pyrene	1.047	1.116	-6.6	173	0.00	12.50
98	t	Indeno[1,2,3-cd]pyrene	1.394	1.487	-6.7	175	0.00	13.82
99	t	Dibenz(a,h)acridine	0.903	0.978	-8.3	163	0.00	13.52
100	t	Dibenz[a,h]anthracene	1.130	1.210	-7.1	176	0.00	13.84
101	t	7,12-Dimethylbenz(a)anthr	0.509	0.521	-2.4	159	0.00	12.16
102	t	Benzo[g,h,i]perylene	1.055	1.115	-5.7	198	0.00	14.17

(#) = Out of Range SPCC's out = 0 CCC's out = 0
4p694134.d M4P3698.M Fri Dec 06 18:22:35 2024

6.7.6

Continuing Calibration Summary

Job Number: JE1542 **Sample:** E4P3703-CC3698
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 4P694135.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : X:\Dayton SVOA GCMS\...06\E4P3703\4p694135.d Vial: 3
Acq On : 6 Dec 2024 9:36 am Operator: kaleigh
Sample : cc3698-50 Inst : GCMS4P
Misc : op55645,e4p3703,1000,,,1,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : X:\Dayton SVOA G...Method\M4P3698.M (RTE Integrator)
Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
Last Update : Fri Dec 06 18:18:31 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
103	I	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	94	0.00	4.57
104	t	Benzaldehyde	1.214	1.133	6.7	94	0.00	4.30
105	I	Acenaphthene-d10a	1.000	1.000	0.0	96	0.00	6.61
106	t	Atrazine	0.173	0.192	-11.0	98	0.00	7.68
107	I	Chrysene-d12a	1.000	1.000	0.0	101	-0.01	10.95
108	s	1-chlorooctadecane	0.326	0.328	-0.6	97	-0.02	9.16
109	I	Phenanthrene-d10a	1.000	1.000	0.0	97	0.00	7.97
110	s	o-terphenyl	0.565	0.599	-6.0	95	-0.01	8.36
111	I	Naphthalene-d8a	1.000	1.000	0.0	97	0.00	5.37
112		Caprolactam	0.168	0.169	-0.6	99	0.00	5.64

(#) = Out of Range SPCC's out = 0 CCC's out = 0
4p694134.d M4P3698.M Fri Dec 06 18:22:38 2024

Initial Calibration Summary

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ
Sample: E6P4255-ICC4255
Lab FileID: 6P517492.D

Response Factor Report GCMS6P

Method : C:\MSDCHEM\1\METHODS\M6P4255.M (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msplus30m x .25mm x .25um
Last Update : Fri Sep 13 10:20:42 2024
Response via : Initial Calibration

Calibration Files
2 =6p517488.D 5 =6p517489.D 25 =6p517491.D 80 =6p517493.D
100 =6p517494.D 50 =6p517492.D 1 =6p517487.D 10 =6p517490.D

Compound	2	5	25	80	100	50	1	10	Avg	%RSD
103) 1,4-Dichlorobenzene-d	ISTD									
104) Benzaldehyde	1.408	1.404	1.276	1.431	1.589	1.239	1.878	1.438	1.458	13.74
105) Phenanthrene-d10a	ISTD									
106) Atrazine	0.084	0.085	0.097	0.093	0.099	0.095	0.097	0.090	0.092	5.95
107) I Naphthalene-d8a	ISTD									
108) Caprolactam	0.186	0.212	0.211	0.223	0.242	0.206	0.263	0.214	0.220	10.70
114) Phenanthrene-d10b	ISTD									
115) 1-chloroocta	0.411	0.438	0.480	0.482	0.495	0.481	0.452	0.443	0.460	6.24
116) o-terphenyl	0.524	0.529	0.565	0.555	0.583	0.548	0.607	0.530	0.555	5.26

(#) = Out of Range ### Number of calibration levels exceeded format ###

M6P4255.M Fri Sep 13 16:08:24 2024

Initial Calibration Summary

Job Number: JE1542 **Sample:** E6P4256-ICC4256
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 6P517500.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Response Factor Report GCMS6P

Method : C:\MSDCHEM\1\METHODS\M6P4256.M (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msplus30m x .25mm x .25um
Last Update : Mon Sep 30 12:25:03 2024
Response via : Initial Calibration

Calibration Files
2 =6p517502.D 5 =6p517510.D 25 =6p517511.D 80 =6p517512.D
100 =6p517705.D 50 =6p517500.D 1 =6p517509.D 10 =6p517504.D

Compound	2	5	25	80	100	50	1	10	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	ISTD									
2) 1,4-Dioxane	0.614	0.632	0.635	0.590	0.616	0.600	0.612	0.595	0.612	2.64
3) Pyridine	1.523	1.693	1.874	1.754	1.828	1.766	1.601	1.682	1.715	6.73
4) N-Nitrosodim	0.799	0.888	1.025	0.997	1.032	0.968	0.842	0.915	0.933	9.26
5) 2-Fluorophen	1.286	1.290	1.378	1.358	1.426	1.333	1.234	1.308	1.327	4.54
6) Indene	2.254	2.386	2.540	2.406	2.550	2.419	2.265	2.344	2.395	4.60
7) Cumene	2.769	2.899	3.193	2.984	3.120	2.970	2.969	2.931	2.979	4.37
8) Phenol-d5	1.600	1.659	1.845	1.796	1.843	1.763	1.801	1.679	1.748	5.22
9) Phenol	1.761	1.858	2.026	1.989	2.069	1.983	1.723	1.877	1.911	6.60
10) Aniline	2.265	2.360	2.567	2.409	2.420	2.427	2.179	2.378	2.376	4.87
11) bis(2-Chloro	1.461	1.499	1.599	1.533	1.596	1.518	1.489	1.499	1.524	3.27
12) 2-Chlorophen	1.311	1.393	1.511	1.459	1.516	1.443	1.312	1.391	1.417	5.64
13) Decane	2.138	2.210	2.317	2.186	2.291	2.190	2.173	2.169	2.209	2.82
14) 1,3-Dichloro	1.453	1.539	1.592	1.487	1.584	1.502	1.500	1.496	1.519	3.20
15) 1,4-Dichloro	1.490	1.523	1.591	1.546	1.609	1.534	1.522	1.518	1.542	2.58
16) Benzyl alcoh	0.926	0.889	1.028	0.988	1.035	0.964	0.995	0.927	0.969	5.36
17) 1,2-Dichloro	1.374	1.468	1.540	1.460	1.542	1.439	1.410	1.433	1.458	4.03
18) Acetophenone	2.131	2.149	2.308	2.206	2.255	2.171	2.207	2.102	2.191	3.08
19) 2-Methylphen	1.260	1.276	1.414	1.367	1.404	1.362	1.259	1.315	1.332	4.76
20) 2,2'-oxybis(	0.443	0.443	0.473	0.447	0.463	0.440	0.418	0.418	0.443	4.30
21) 3&4-Methylph	1.304	1.375	1.512	1.470	1.512	1.436	1.268	1.374	1.406	6.52
22) n-Nitroso-di	1.137	1.176	1.280	1.231	1.253	1.207	1.231	1.178	1.212	3.86
23) Hexachloroet	0.478	0.486	0.526	0.518	0.541	0.515	0.543	0.494	0.513	4.78
24) I Naphthalene-d8	ISTD									
25) Nitrobenzene	0.362	0.359	0.416	0.407	0.434	0.416	0.365	0.383	0.393	7.40
26) Nitrobenzene	0.368	0.360	0.425	0.413	0.437	0.422	0.329	0.375	0.391	9.78
27) Quinoline	0.635	0.678	0.715	0.667	0.695	0.686	0.682	0.683	0.680	3.38
28) Isophorone	0.715	0.748	0.818	0.761	0.804	0.779	0.727	0.756	0.763	4.67
29) 2-Nitropheno	0.129	0.109	0.153	0.166	0.177	0.167		0.134	0.148	16.72
30) 2,4-Dimethyl	0.340	0.361	0.383	0.364	0.386	0.370	0.326	0.350	0.360	5.69
31) Benzoic acid		0.135	0.217	0.257	0.269	0.274		0.193	0.224	24.03
---- Quadratic regression ---- Coefficient = 0.9975										
Response Ratio = -0.01722 + 0.26258 *A + 0.00489 *A^2										
32) bis(2-Chloro	0.435	0.453	0.484	0.456	0.483	0.466	0.450	0.450	0.460	3.75
33) 2,4-Dichloro	0.242	0.254	0.289	0.272	0.286	0.276	0.272	0.264	0.270	5.89
34) 2,6-Dichloro	0.255	0.264	0.286	0.270	0.285	0.275	0.252	0.269	0.270	4.63
35) 1,3,5-Trichl	0.302	0.311	0.330	0.313	0.335	0.315	0.302	0.311	0.315	3.81
36) 1,2,4-Trichl	0.288	0.295	0.316	0.294	0.313	0.298	0.316	0.294	0.302	3.72
37) 1,2,3-Trichl	0.276	0.285	0.308	0.285	0.302	0.293	0.285	0.288	0.290	3.57
38) Naphthalene	0.972	1.026	1.118	1.022	1.094	1.048	1.022	1.035	1.042	4.37
39) 4-Chloroanil	0.409	0.446	0.464	0.436	0.454	0.446	0.415	0.435	0.438	4.31
40) 2,3-Dichloro	0.276	0.314	0.333	0.314	0.332	0.315	0.286	0.303	0.309	6.47
41) Hydroquinone		0.292	0.312	0.238	0.252	0.305		0.286	0.281	10.51
42) Hexachlorobu	0.157	0.167	0.177	0.165	0.179	0.172	0.182	0.167	0.171	4.89

Initial Calibration Summary

Job Number: JE1542 **Sample:** E6P4256-ICC4256
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 6P517500.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

43)	4-Chloro-3-m	0.269	0.283	0.318	0.299	0.317	0.306	0.269	0.288	0.294	6.61
44)	2-Methylnaph	0.560	0.585	0.651	0.611	0.639	0.617	0.592	0.610	0.608	4.81
45)	1-Methylnaph	0.544	0.585	0.620	0.583	0.608	0.583	0.557	0.583	0.583	4.21
46)	I Acenaphthene-d10	----------ISTD----------									
47)	Hexachlorocy	0.249	0.244	0.303	0.294	0.301	0.328	0.247	0.273	0.280	11.20
48)	1,2,4,5-tetr	0.521	0.549	0.576	0.547	0.582	0.555	0.570	0.526	0.553	4.02
49)	2,4,6-Trichl	0.307	0.334	0.372	0.370	0.387	0.380	0.298	0.365	0.352	9.69
50)	2,4,5-Trichl	0.315	0.345	0.411	0.391	0.417	0.391	0.286	0.345	0.363	13.02
51)	2-Fluorobiph	1.237	1.261	1.368	1.293	1.380	1.311	1.296	1.303	1.306	3.71
52)	2-Chloronaph	1.081	1.106	1.220	1.117	1.190	1.146	1.118	1.145	1.141	4.02
53)	Biphenyl	1.443	1.482	1.587	1.518	1.590	1.533	1.444	1.502	1.512	3.75
54)	2-Nitroanili	0.271	0.383	0.411	0.434	0.409	0.324	0.372	16.73		
55)	Dimethylphth	1.197	1.314	1.404	1.313	1.402	1.355	1.290	1.318	1.324	5.03
56)	Acenaphthyle	1.391	1.454	1.614	1.506	1.585	1.551	1.385	1.497	1.498	5.64
57)	2,6-Dinitrot	0.166	0.168	0.254	0.262	0.278	0.267	0.171	0.215	0.223	21.73
	---- Quadratic regression ---- Coefficient = 0.9983										
	Response Ratio = -0.00322 + 0.24003 *A + 0.01509 *A^2										
58)	3-Nitroanili	0.233	0.231	0.319	0.320	0.338	0.321	0.263	0.289	15.73	
59)	Acenaphthene	1.151	1.250	1.324	1.248	1.324	1.266	1.181	1.245	1.249	4.85
60)	2,4-Dinitrop	0.063	0.071	0.116	0.153	0.163	0.150	0.096	0.116	35.27	
	---- Quadratic regression ---- Coefficient = 0.9977										
	Response Ratio = -0.00821 + 0.11790 *A + 0.00961 *A^2										
61)	4-Nitropheno	0.134	0.132	0.177	0.181	0.194	0.189	0.153	0.166	15.44	
62)	Dibenzofuran	1.545	1.602	1.729	1.610	1.731	1.673	1.609	1.635	1.642	3.96
63)	2,4-Dinitrot	0.225	0.232	0.349	0.371	0.392	0.368	0.169	0.290	0.299	27.66
	---- Quadratic regression ---- Coefficient = 0.9989										
	Response Ratio = -0.00546 + 0.32877 *A + 0.02563 *A^2										
64)	2,3,4,6-Tetr	0.270	0.267	0.321	0.324	0.340	0.329	0.244	0.301	0.299	11.68
65)	Diethylphtha	1.231	1.283	1.428	1.354	1.431	1.377	1.266	1.323	1.337	5.53
66)	Fluorene	1.228	1.286	1.405	1.343	1.415	1.345	1.302	1.337	1.333	4.61
67)	4-Chlorophen	0.578	0.611	0.644	0.614	0.647	0.626	0.637	0.613	0.621	3.66
68)	4-Nitroanili	0.256	0.264	0.340	0.341	0.357	0.350	0.295	0.315	13.47	
69)	I Phenanthrene-d10	----------ISTD----------									
70)	4,6-Dinitro-	0.055	0.087	0.106	0.118	0.107	0.072	0.091	26.28		
	---- Quadratic regression ---- Coefficient = 0.9981										
	Response Ratio = -0.00522 + 0.09282 *A + 0.01007 *A^2										
71)	n-Nitrosodip	0.537	0.596	0.658	0.605	0.655	0.621	0.568	0.609	0.606	6.75
72)	1,2-Diphenyl	0.780	0.875	0.935	0.880	0.960	0.895	0.804	0.880	0.876	6.85
73)	pentachloron	0.041	0.032	0.043	0.042	0.046	0.043	0.038	0.041#	11.14	
74)	2,4,6-Tribro	0.109	0.109	0.130	0.124	0.133	0.128	0.095	0.118	0.118	10.96
75)	4-Bromopheny	0.182	0.209	0.219	0.200	0.216	0.203	0.185	0.207	0.203	6.61
76)	Hexachlorobe	0.224	0.246	0.265	0.247	0.264	0.249	0.251	0.239	0.248	5.38
77)	Pentachlorop	0.116	0.123	0.166	0.169	0.186	0.172	0.153	0.155	16.93	
78)	Phenanthrene	0.983	1.041	1.125	1.041	1.129	1.058	1.071	1.056	1.063	4.45
79)	Anthracene	0.989	1.057	1.104	1.053	1.133	1.085	1.011	1.055	1.061	4.43
80)	Carbazole	0.888	0.971	1.032	0.973	1.061	0.992	0.924	0.976	0.977	5.64
81)	Di-n-butylph	1.080	1.155	1.321	1.273	1.403	1.316	1.062	1.215	1.228	9.92
82)	Fluoranthene	1.041	1.128	1.213	1.163	1.272	1.202	1.113	1.133	1.158	6.12
83)	Octadecane	0.589	0.673	0.750	0.720	0.789	0.728	0.572	0.692	0.689	10.98
84)	I Chrysene-d12	----------ISTD----------									
85)	benzidine	0.638	0.604	0.844	0.732	0.721	0.881	0.778	0.743	13.63	
86)	Pyrene	1.289	1.332	1.414	1.312	1.433	1.366	1.298	1.336	1.347	3.93
87)	Terphenyl-d1	0.945	1.020	1.089	1.023	1.103	1.046	0.999	1.018	1.030	4.89

Initial Calibration Summary

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: E6P4256-ICC4256
Lab FileID: 6P517500.D

88)	Butylbenzylp	0.482	0.481	0.611	0.601	0.676	0.631		0.553	0.576	12.92
89)	Benzo[a]anth	1.230	1.329	1.392	1.309	1.412	1.345	1.356	1.309	1.335	4.22
90)	3,3'-Dichlor	0.421	0.470	0.538	0.523	0.581	0.536	0.401	0.484	0.494	12.50
91)	Chrysene	1.212	1.254	1.327	1.228	1.342	1.264	1.292	1.240	1.270	3.68
92)	bis(2-Ethylh	0.736	0.792	0.954	0.929	1.039	0.956		0.879	0.898	11.61
93)	I Perylene-d12	----------	ISTD	----------							
94)	Di-n-octylph	1.019	1.066	1.342	1.345	1.498	1.379		1.211	1.266	13.77
95)	Benzo[b]fluo	1.191	1.163	1.338	1.284	1.356	1.252	1.191	1.172	1.243	6.12
96)	Benzo[k]fluo	1.025	1.165	1.134	1.044	1.201	1.139	1.128	1.131	1.121	5.24
97)	Benzo[a]pyre	0.894	0.964	1.060	1.011	1.105	1.013	0.910	0.967	0.991	7.22
98)	Indeno[1,2,3	1.200	1.314	1.466	1.402	1.513	1.428	1.303	1.320	1.368	7.47
99)	Dibenz(a,h)a	0.833	0.901	0.990	0.963	1.049	0.975	0.863	0.899	0.934	7.74
100)	Dibenz[a,h]a	1.023	1.100	1.191	1.138	1.238	1.158	1.027	1.090	1.120	6.76
101)	7,12-Dimethy	0.387	0.412	0.479	0.479	0.557	0.504	0.395	0.437	0.456	12.91
102)	Benzo[g,h,i]	0.940	1.021	1.099	1.036	1.125	1.058	1.106	1.013	1.050	5.76

(#) = Out of Range ### Number of calibration levels exceeded format ###

M6P4256.M Mon Sep 30 12:41:46 2024

Initial Calibration Verification

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: E6P4256-ICV4256
Lab FileID: 6P517514.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\e6p4256\6p517514.D Vial: 11
Acq On : 13 Sep 2024 4:16 pm Operator: kaleigh
Sample : icv4256-50 Inst : GCMS6P
Misc : op56913,e6p4256,30.0,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M6P4256.M (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msplus30m x .25mm x .25um
Last Update : Mon Sep 16 14:51:18 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	110	0.00	4.60
9	t	Phenol	1.911	1.952	-2.1	109	0.00	4.38
12	t	2-Chlorophenol	1.417	1.458	-2.9	112	0.00	4.48
19	t	2-Methylphenol	1.332	1.327	0.4	108	0.00	4.71
21	t	3&4-Methylphenol	1.406	1.426	-1.4	110	0.00	4.80
24	I	Naphthalene-d8	1.000	1.000	0.0	113	0.00	5.30
29	t	2-Nitrophenol	0.148	0.157	-6.1	106	0.00	5.08
30	t	2,4-Dimethylphenol	0.360	0.362	-0.6	110	0.00	5.09
		----------	True	Calc.	% Drift	----------		
31	t	Benzoic acid	50.000	49.516	1.0	104	0.00	5.16
		----------	AvgRF	CCRF	% Dev	----------		
33	t	2,4-Dichlorophenol	0.270	0.273	-1.1	111	0.00	5.21
34	t	2,6-Dichlorophenol	0.270	0.276	-2.2	113	0.00	5.34
41	t	Hydroquinone	0.281	0.383	-36.3#	142	0.00	5.57
43	t	4-Chloro-3-methylphenol	0.294	0.308	-4.8	113	0.00	5.61
46	I	Acenaphthene-d10	1.000	1.000	0.0	113	0.00	6.42
49	t	2,4,6-Trichlorophenol	0.352	0.388	-10.2	116	0.00	5.90
50	t	2,4,5-Trichlorophenol	0.363	0.387	-6.6	112	0.00	5.92
		----------	True	Calc.	% Drift	----------		
60	t	2,4-Dinitrophenol	100.000	99.592	0.4	104	-0.01	6.45
		----------	AvgRF	CCRF	% Dev	----------		
61	t	4-Nitrophenol	0.166	0.174	-4.8	104	-0.01	6.48

Initial Calibration Verification

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: E6P4256-ICV4256
Lab FileID: 6P517514.D

			AvgRF	CCRF	% Dev			
64		2,3,4,6-Tetrachlorophenol	0.299	0.335	-12.0	115	0.00	6.65
69	I	Phenanthrene-d10	1.000	1.000	0.0	114	0.00	7.59
			True	Calc.	% Drift			
70	t	4,6-Dinitro-2-methylpheno	50.000	47.314	5.4	101	-0.02	6.85
77	t	Pentachlorophenol	0.155	0.160	-3.2	107	0.00	7.42

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p517492a.D M6P4256.M Mon Sep 16 14:59:43 2024

Initial Calibration Verification

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: E6P4256-ICV4256
Lab FileID: 6P517515.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\e6p4256\6p517515.D Vial: 12
Acq On : 13 Sep 2024 4:35 pm Operator: kaleigh
Sample : icv4256-50 Inst : GCMS6P
Misc : op56913,e6p4256,30.0,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M6P4256.M (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msplus30m x .25mm x .25um
Last Update : Fri Sep 13 17:19:01 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	116	0.00	4.60
3	t	Pyridine	1.715	1.729	-0.8	113	0.00	3.12
4	t	N-Nitrosodimethylamine	0.933	0.890	4.6	106	0.00	3.10
10		Aniline	2.376	2.400	-1.0	114	0.00	4.41
22	t	n-Nitroso-di-n-propylamin	1.212	1.181	2.6	113	-0.01	4.80
24	I	Naphthalene-d8	1.000	1.000	0.0	117	0.00	5.30
39	t	4-Chloroaniline	0.438	0.430	1.8	113	0.00	5.33
46	I	Acenaphthene-d10	1.000	1.000	0.0	118	0.00	6.42
54	t	2-Nitroaniline	0.372	0.370	0.5	107	0.00	6.10
		----------	AvgRF	CCRF	% Dev		----------	
58	t	3-Nitroaniline	0.289	0.310	-7.3	114	-0.01	6.38
68	t	4-Nitroaniline	0.315	0.315	0.0	106	-0.01	6.83
69	I	Phenanthrene-d10	1.000	1.000	0.0	118	0.00	7.59
		----------	AvgRF	CCRF	% Dev		----------	
71	t	n-Nitrosodiphenylamine	0.606	0.623	-2.8	119	0.00	6.91
84	I	Chrysene-d12	1.000	1.000	0.0	118	0.00	10.03
85		benzidine	0.743	0.803	-8.1	107	0.00	8.80
90	t	3,3'-Dichlorobenzidine	0.494	0.513	-3.8	113	0.00	10.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p517492a.D M6P4256.M Mon Sep 16 12:35:46 2024

Initial Calibration Verification

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: E6P4256-ICV4255
Lab FileID: 6P517516.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\e6p4256\6p517516.D Vial: 13
Acq On : 13 Sep 2024 4:54 pm Operator: kaleigh
Sample : icv4255-50 Inst : GCMS6P
Misc : op56913,e6p4256,30.0,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M6P4256.M (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msplus30m x .25mm x .25um
Last Update : Fri Sep 13 17:19:01 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
103		1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	114	0.00	4.60
104		Benzaldehyde	1.458	1.250	14.3	115	0.00	4.36
105		Phenanthrene-d10a	1.000	1.000	0.0	114	0.00	7.58
106		Atrazine	0.092	0.095	-3.3	114	0.00	7.33
107	I	Naphthalene-d8a	1.000	1.000	0.0	114	0.00	5.30
108	T	Caprolactam	0.220	0.199	9.5	110	0.00	5.54

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p517492a.D M6P4256.M Mon Sep 16 12:55:03 2024

Initial Calibration Verification

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: E6P4258-ICV4256
Lab FileID: 6P517522.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\e6p4258\6p517522.D Vial: 3
Acq On : 16 Sep 2024 11:29 am Operator: anthonyo
Sample : icv4256-50 Inst : GCMS6P
Misc : op56913,e6p4258,30.0,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M6P4256.M (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msplus30m x .25mm x .25um
Last Update : Mon Sep 30 12:25:03 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	92	0.00	4.59
2	t	1,4-Dioxane	0.612	0.591	3.4	91	-0.03	2.88
6	t	Indene	2.395	2.699	-12.7	103	0.00	4.73
7	t	Cumene	2.979	3.075	-3.2	95	-0.01	4.16
11	t	bis(2-Chloroethyl)ether	1.524	1.686	-10.6	102	0.00	4.44
13	t	Decane	2.209	2.303	-4.3	97	0.00	4.50
14	t	1,3-Dichlorobenzene	1.519	1.594	-4.9	98	0.00	4.56
15	t	1,4-Dichlorobenzene	1.542	1.629	-5.6	98	0.00	4.60
16	t	Benzyl alcohol	0.969	1.030	-6.3	98	0.00	4.66
17	t	1,2-Dichlorobenzene	1.458	1.536	-5.3	98	0.00	4.69
18	t	Acetophenone	2.191	2.366	-8.0	100	0.00	4.81
20	t	2,2'-oxybis(1-Chloropropa	0.443	0.472	-6.5	99	0.00	4.73
23	t	Hexachloroethane	0.513	0.534	-4.1	96	0.00	4.88
24	I	Naphthalene-d8	1.000	1.000	0.0	97	0.00	5.30
26	t	Nitrobenzene	0.391	0.376	3.8	87	0.00	4.90
27	t	Quinoline	0.680	0.730	-7.4	104	-0.02	5.51
28	t	Isophorone	0.763	0.823	-7.9	103	-0.01	5.03
		----------	AvgRF	CCRF	% Dev	----------		
32	t	bis(2-Chloroethoxy)methan	0.460	0.497	-8.0	104	0.00	5.14
35		1,3,5-Trichlorobenzene	0.315	0.326	-3.5	101	0.00	5.09
36	t	1,2,4-Trichlorobenzene	0.302	0.312	-3.3	102	0.00	5.27
37		1,2,3-Trichlorobenzene	0.290	0.312	-7.6	104	0.00	5.39
38	t	Naphthalene	1.042	1.108	-6.3	103	0.00	5.31
40	t	2,3-Dichloroaniline	0.309	0.344	-11.3	106	0.00	5.90
42	t	Hexachlorobutadiene	0.171	0.178	-4.1	101	0.00	5.38
44	t	2-Methylnaphthalene	0.608	0.665	-9.4	105	0.00	5.73
45	t	1-Methylnaphthalene	0.583	0.631	-8.2	105	0.00	5.79
46	I	Acenaphthene-d10	1.000	1.000	0.0	101	0.00	6.43
47	t	Hexachlorocyclopentadiene	0.280	0.343	-22.5	106	0.00	5.83

Initial Calibration Verification

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: E6P4258-ICV4256
Lab FileID: 6P517522.D

48		1,2,4,5-tetrachlorobenzen	0.553	0.569	-2.9	104	0.00	5.83
52	t	2-Chloronaphthalene	1.141	1.222	-7.1	108	0.00	6.04
53	t	Biphenyl	1.512	1.613	-6.7	106	0.00	6.03
55	t	Dimethylphthalate	1.324	1.413	-6.7	105	0.00	6.22
56	t	Acenaphthylene	1.498	1.791	-19.6	117	0.00	6.33
		----------	True	Calc.	% Drift	----------		
57	t	2,6-Dinitrotoluene	50.000	45.765	8.5	88	0.00	6.27
		----------	AvgRF	CCRF	% Dev	----------		
59	t	Acenaphthene	1.249	1.356	-8.6	108	0.00	6.45
62	t	Dibenzofuran	1.642	1.771	-7.9	107	0.00	6.57
		----------	True	Calc.	% Drift	----------		
63	t	2,4-Dinitrotoluene	50.000	45.848	8.3	89	0.00	6.56
		----------	AvgRF	CCRF	% Dev	----------		
65	t	Diethylphthalate	1.337	1.457	-9.0	107	0.00	6.73
66	t	Fluorene	1.333	1.465	-9.9	110	0.00	6.83
67	t	4-Chlorophenyl-phenylethe	0.621	0.670	-7.9	108	0.00	6.82
69	I	Phenanthrene-d10	1.000	1.000	0.0	104	0.00	7.59
72	t	1,2-Diphenylhydrazine	0.876	0.949	-8.3	110	0.00	6.95
73		pentachloronitrobenzene	0.041	0.038#	7.3	91	0.00	7.44
75	t	4-Bromophenyl-phenylether	0.203	0.222	-9.4	114	0.00	7.21
76	t	Hexachlorobenzene	0.248	0.264	-6.5	111	0.00	7.27
78	t	Phenanthrene	1.063	1.149	-8.1	113	0.00	7.61
79	t	Anthracene	1.061	1.162	-9.5	112	0.00	7.66
80	t	Carbazole	0.977	1.068	-9.3	112	0.00	7.79
81	t	Di-n-butylphthalate	1.228	1.335	-8.7	106	0.00	8.10
82	t	Fluoranthene	1.158	1.286	-11.1	112	0.00	8.67
83	t	Octadecane	0.689	0.771	-11.9	110	0.00	7.49
84	I	Chrysene-d12	1.000	1.000	0.0	109	0.00	10.03
86	t	Pyrene	1.347	1.442	-7.1	115	0.00	8.88
88	t	Butylbenzylphthalate	0.576	0.586	-1.7	101	0.00	9.50
89	t	Benzo[a]anthracene	1.335	1.409	-5.5	114	0.00	10.02
91	t	Chrysene	1.270	1.353	-6.5	116	0.00	10.06
92	t	bis(2-Ethylhexyl)phthalat	0.898	0.900	-0.2	102	0.00	10.06
93	I	Perylene-d12	1.000	1.000	0.0	112	0.00	11.38
94	t	Di-n-octylphthalate	1.266	1.257	0.7	102	0.00	10.66
95	t	Benzo[b]fluoranthene	1.243	1.310	-5.4	117	0.00	11.02
96	t	Benzo[k]fluoranthene	1.121	1.231	-9.8	121	0.00	11.04
97	t	Benzo[a]pyrene	0.991	1.112	-12.2	123	0.00	11.33
98	t	Indeno[1,2,3-cd]pyrene	1.368	1.587	-16.0	125	0.00	12.58

Initial Calibration Verification

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: E6P4258-ICV4256
Lab FileID: 6P517522.D

99	t	Dibenz(a,h)acridine	0.934	1.081	-15.7	124	0.00	12.29
100	t	Dibenz[a,h]anthracene	1.120	1.285	-14.7	124	0.00	12.60
101	t	7,12-Dimethylbenz(a)anthr	0.456	0.430	5.7	96	0.00	11.01
102	t	Benzo[g,h,i]perylene	1.050	1.206	-14.9	128	0.00	12.93

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p517492a.D M6P4256.M Mon Sep 30 12:41:12 2024

Continuing Calibration Summary

Job Number: JE1542 **Sample:** E6P4336-CC4256
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 6P519533.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : X:\Dayton SVOA GCMS\...ll\e6p4336\6p519533.d Vial: 2
Acq On : 17 Dec 2024 10:02 am Operator: anthonyo
Sample : cc4256-50 Inst : GCMS6P
Misc : op58051,e6p4336,30.0,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : X:\Dayton SVOA G...6p4336\M6P4256.M (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msplus30m x .25mm x .25um
Last Update : Mon Sep 30 12:25:03 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	94	0.00	4.37
2	t	1,4-Dioxane	0.612	0.521	14.9	81	0.00	2.25
3	t	Pyridine	1.715	1.449	15.5	77	0.00	2.58
4	t	N-Nitrosodimethylamine	0.933	0.794	14.9	77	0.00	2.56
5	S	2-Fluorophenol	1.327	1.456	-9.7	102	0.00	3.61
6	t	Indene	2.395	2.533	-5.8	98	0.00	4.52
7	t	Cumene	2.979	3.377	-13.4	106	0.00	3.89
8	S	Phenol-d5	1.748	1.772	-1.4	94	0.00	4.19
9	t	Phenol	1.911	2.035	-6.5	96	0.00	4.20
10		Aniline	2.376	2.217	6.7	85	0.00	4.19
11	t	bis(2-Chloroethyl)ether	1.524	1.472	3.4	91	0.00	4.22
12	t	2-Chlorophenol	1.417	1.508	-6.4	98	0.00	4.27
13	t	Decane	2.209	1.258	43.1#	54	0.00	4.26
14	t	1,3-Dichlorobenzene	1.519	1.583	-4.2	99	0.00	4.34
15	t	1,4-Dichlorobenzene	1.542	1.629	-5.6	99	0.00	4.39
16	t	Benzyl alcohol	0.969	0.987	-1.9	96	0.00	4.47
17	t	1,2-Dichlorobenzene	1.458	1.618	-11.0	105	0.00	4.47
18	t	Acetophenone	2.191	2.092	4.5	90	0.00	4.62
19	t	2-Methylphenol	1.332	1.343	-0.8	92	0.00	4.54
20	t	2,2'-oxybis(1-Chloropropa	0.443	0.440	0.7	94	0.00	4.52
21	t	3&4-Methylphenol	1.406	1.410	-0.3	92	0.00	4.63
22	t	n-Nitroso-di-n-propylamin	1.212	1.053	13.1	82	0.00	4.61
23	t	Hexachloroethane	0.513	0.637	-24.2#	116	0.00	4.66
24	I	Naphthalene-d8	1.000	1.000	0.0	92	0.00	5.10
25	S	Nitrobenzene-d5	0.393	0.394	-0.3	88	0.00	4.70
26	t	Nitrobenzene	0.391	0.397	-1.5	87	0.00	4.71
27	t	Quinoline	0.680	0.669	1.6	90	0.00	5.32
28	t	Isophorone	0.763	0.781	-2.4	93	0.00	4.85
29	t	2-Nitrophenol	0.148	0.227	-53.4#	125	0.00	4.89
30	t	2,4-Dimethylphenol	0.360	0.420	-16.7	105	0.00	4.91
		----------	True	Calc.	% Drift	----------		
31	t	Benzoic acid	50.000	50.860	-1.7	88	0.04	5.02
		----------	AvgRF	CCRF	% Dev	----------		
32	t	bis(2-Chloroethoxy)methan	0.460	0.470	-2.2	93	0.00	4.95
33	t	2,4-Dichlorophenol	0.270	0.297	-10.0	99	0.00	5.04
34	t	2,6-Dichlorophenol	0.270	0.303	-12.2	102	0.00	5.15
35		1,3,5-Trichlorobenzene	0.315	0.413	-31.1#	121	0.00	4.89
36	t	1,2,4-Trichlorobenzene	0.302	0.341	-12.9	106	0.00	5.06
37		1,2,3-Trichlorobenzene	0.290	0.332	-14.5	105	0.00	5.19

Continuing Calibration Summary

Job Number: JE1542 **Sample:** E6P4336-CC4256
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 6P519533.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

38	t	Naphthalene	1.042	1.059	-1.6	93	0.00	5.11
39	t	4-Chloroaniline	0.438	0.431	1.6	89	0.02	5.15
40	t	2,3-Dichloroaniline	0.309	0.356	-15.2	104	0.00	5.68
41	t	Hydroquinone	0.281	0.268	4.6	81	0.00	5.35
42	t	Hexachlorobutadiene	0.171	0.219	-28.1#	118	0.00	5.17
43	t	4-Chloro-3-methylphenol	0.294	0.303	-3.1	91	0.03	5.43
44	t	2-Methylnaphthalene	0.608	0.646	-6.3	97	0.00	5.51
45	t	1-Methylnaphthalene	0.583	0.640	-9.8	102	0.00	5.57
46	I	Acenaphthene-d10	1.000	1.000	0.0	97	0.00	6.17
47	t	Hexachlorocyclopentadiene	0.280	0.093	66.8#	27#	0.00	5.59
48		1,2,4,5-tetrachlorobenzen	0.553	0.743	-34.4#	129	0.01	5.61
49	t	2,4,6-Trichlorophenol	0.352	0.399	-13.4	101	0.00	5.68
50	t	2,4,5-Trichlorophenol	0.363	0.419	-15.4	103	0.00	5.72
51	S	2-Fluorobiphenyl	1.306	1.422	-8.9	105	0.00	5.72
52	t	2-Chloronaphthalene	1.141	1.273	-11.6	107	0.00	5.81
53	t	Biphenyl	1.512	1.605	-6.2	101	0.00	5.79
54	t	2-Nitroaniline	0.372	0.371	0.3	88	0.00	5.88
55	t	Dimethylphthalate	1.324	1.412	-6.6	101	0.00	5.97
56	t	Acenaphthylene	1.498	1.659	-10.7	103	0.00	6.08
			True	Calc.	% Drift			
57	t	2,6-Dinitrotoluene	50.000	61.527	-23.1#	116	0.00	6.03
			AvgRF	CCRF	% Dev			
58	t	3-Nitroaniline	0.289	0.415	-43.6#	125	0.00	5.88
59	t	Acenaphthene	1.249	1.430	-14.5	109	0.00	6.19
			True	Calc.	% Drift			
60	t	2,4-Dinitrophenol	100.000	105.399	-5.4	95	0.04	6.25
			AvgRF	CCRF	% Dev			
61	t	4-Nitrophenol	0.166	0.119	28.3#	61	0.00	6.31
62	t	Dibenzofuran	1.642	1.741	-6.0	100	0.00	6.32
			True	Calc.	% Drift			
63	t	2,4-Dinitrotoluene	50.000	61.800	-23.6#	118	0.00	6.33
			AvgRF	CCRF	% Dev			
64		2,3,4,6-Tetrachlorophenol	0.299	0.292	2.3	86	0.00	6.41
65	t	Diethylphthalate	1.337	1.409	-5.4	99	0.00	6.46
66	t	Fluorene	1.333	1.645	-23.4#	118	0.00	6.56
67	t	4-Chlorophenyl-phenylethe	0.621	0.803	-29.3#	124	0.00	6.55
68	t	4-Nitroaniline	0.315	0.325	-3.2	90	0.00	6.61
69	I	Phenanthrene-d10	1.000	1.000	0.0	116	0.00	7.31
			True	Calc.	% Drift			
70	t	4,6-Dinitro-2-methylpheno	50.000	52.031	-4.1	115	0.03	6.64
			AvgRF	CCRF	% Dev			
71	t	n-Nitrosodiphenylamine	0.606	0.547	9.7	103	-0.01	6.64
72	t	1,2-Diphenylhydrazine	0.876	0.633	27.7#	82	-0.02	6.67
73		pentachloronitrobenzene	0.041	0.055	-34.1#	150	0.00	7.17
74	S	2,4,6-Tribromophenol	0.118	0.126	-6.8	115	0.00	6.75
75	t	4-Bromophenyl-phenylether	0.203	0.261	-28.6#	150	-0.01	6.93
76	t	Hexachlorobenzene	0.248	0.308	-24.2#	144	0.00	7.00
77	t	Pentachlorophenol	0.155	0.104	32.9#	71	0.02	7.17
78	t	Phenanthrene	1.063	1.146	-7.8	126	0.00	7.33
79	t	Anthracene	1.061	1.172	-10.5	126	0.00	7.38

Continuing Calibration Summary

Job Number: JE1542 **Sample:** E6P4336-CC4256
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 6P519533.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

80	t	Carbazole	0.977	1.073	-9.8	126	0.02	7.52
81	t	Di-n-butylphthalate	1.228	1.352	-10.1	120	0.00	7.79
82	t	Fluoranthene	1.158	1.314	-13.5	127	0.03	8.39
83	t	Octadecane	0.689	0.471	31.6#	75	-0.03	7.18
84	I	Chrysene-d12	1.000	1.000	0.0	132	0.00	9.75
85		benzidine	0.743	0.449	39.6#	67	-0.03	8.51
86	t	Pyrene	1.347	1.325	1.6	128	0.00	8.60
87	S	Terphenyl-d14	1.030	1.085	-5.3	137	0.00	8.73
88	t	Butylbenzylphthalate	0.576	0.564	2.1	118	0.00	9.20
89	t	Benzo[a]anthracene	1.335	1.351	-1.2	133	0.00	9.74
90	t	3,3'-Dichlorobenzidine	0.494	0.524	-6.1	129	0.00	9.71
91	t	Chrysene	1.270	1.246	1.9	130	0.00	9.78
92	t	bis(2-Ethylhexyl)phthalat	0.898	0.887	1.2	122	0.00	9.74
93	I	Perylene-d12	1.000	1.000	0.0	124	0.00	11.06
94	t	Di-n-octylphthalate	1.266	1.313	-3.7	118	-0.02	10.34
95	t	Benzo[b]fluoranthene	1.243	1.218	2.0	120	0.00	10.72
96	t	Benzo[k]fluoranthene	1.121	1.225	-9.3	133	0.00	10.75
97	t	Benzo[a]pyrene	0.991	1.095	-10.5	134	0.00	11.02
98	t	Indeno[1,2,3-cd]pyrene	1.368	1.312	4.1	114	0.00	12.18
99	t	Dibenz(a,h)acridine	0.934	0.926	0.9	117	0.00	11.89
100	t	Dibenz[a,h]anthracene	1.120	1.058	5.5	113	0.00	12.17
101	t	7,12-Dimethylbenz(a)anthr	0.456	0.518	-13.6	127	0.00	10.69
102	t	Benzo[g,h,i]perylene	1.050	1.001	4.7	117	0.00	12.49

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p517492a.D M6P4256.M Tue Dec 17 19:16:14 2024

Continuing Calibration Summary

Job Number: JE1542 **Sample:** E6P4336-CC4255
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 6P519534.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : R:\Dayton\MSSEMI\Com...ll\e6p4336\6p519534.d Vial: 3
Acq On : 17 Dec 2024 10:23 am Operator: anthonyo
Sample : cc4255-50 Inst : GCMS6P
Misc : op58051,e6p4336,30.0,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : R:\Dayton\MSSEMI_Methods\M6P4256.M (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msplus30m x .25mm x .25um
Last Update : Mon Sep 30 12:25:03 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
103		1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	106	-0.22	4.37
104		Benzaldehyde	1.458	1.105	24.2#	95	-0.23	4.13
105		Phenanthrene-d10a	1.000	1.000	0.0	101	-0.27	7.31
106		Atrazine	0.092	0.108	-17.4	115	-0.27	7.06
107	I	Naphthalene-d8a	1.000	1.000	0.0	99	-0.20	5.10
108	T	Caprolactam	0.220	0.129	41.4#	62	-0.20	5.35
114		Phenanthrene-d10b	1.000	1.000	0.0	101	-0.27	7.31
115	s	1-chlorooctadecane	0.460	0.298	35.2#	63	-0.31	8.25
116	s	o-terphenyl	0.555	0.653	-17.7	120	-0.30	7.62

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p517492a.D M6P4256.M Wed Dec 18 09:04:28 2024

Continuing Calibration Summary

Job Number: JE1542 **Sample:** E6P4336-CC4256
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 6P519535.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : R:\Dayton\MSSEMI\Com...ll\e6p4336\6p519535.d Vial: 4
Acq On : 17 Dec 2024 10:42 am Operator: anthonyo
Sample : cc4256-5 Inst : GCMS6P
Misc : op58051,e6p4336,30.0,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : R:\Dayton\MSSEMI_Methods\M6P4256.M (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msplus30m x .25mm x .25um
Last Update : Mon Sep 30 12:25:03 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 100% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
46	I	Acenaphthene-d10	1.000	1.000	0.0	107	-0.26	6.17
47	t	Hexachlorocyclopentadiene	0.280	0.002#	99.3	1#	-0.24	5.58

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p517489a.D M6P4256.M Wed Dec 18 09:10:36 2024

Continuing Calibration Summary

Job Number: JE1542 **Sample:** E6P4336-CC4256
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 6P519536.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : X:\Dayton SVOA GCMS\...ll\e6p4336\6p519536.d Vial: 5
Acq On : 17 Dec 2024 11:01 am Operator: anthonyo
Sample : cc4256-1 Inst : GCMS6P
Misc : op58051,e6p4336,30.0,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : X:\Dayton SVOA G...6p4336\M6P4256.M (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msplus30m x .25mm x .25um
Last Update : Tue Dec 17 19:32:15 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 100% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00	4.37
13	t	Decane	2.209	1.209	45.3	56	0.00	4.26
69	I	Phenanthrene-d10	1.000	1.000	0.0	106	0.00	7.31
72	t	1,2-Diphenylhydrazine	0.876	0.555	36.6	73	-0.02	6.67
77	t	Pentachlorophenol	0.155	0.067	56.8	0#	0.03	7.18
83	t	Octadecane	0.689	0.453	34.3	84	-0.03	7.18

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p517487a.D M6P4256.M Tue Dec 17 21:04:44 2024

Continuing Calibration Summary

Job Number: JE1542 **Sample:** E6P4336-CC4256
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 6P519537.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : X:\Dayton SVOA GCMS\...ll\e6p4336\6p519537.d Vial: 6
Acq On : 17 Dec 2024 11:21 am Operator: anthonyo
Sample : cc4256-2 Inst : GCMS6P
Misc : op58051,e6p4336,30.0,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : X:\Dayton SVOA G...6p4336\M6P4256.M (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msplus30m x .25mm x .25um
Last Update : Tue Dec 17 19:32:15 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 100% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
46 I	Acenaphthene-d10	1.000	1.000	0.0	104	0.00	6.17
61 t	4-Nitrophenol	0.166	0.142	14.5	110	0.05	6.35
84 I	Chrysene-d12	1.000	1.000	0.0	146	0.00	9.74
85	benzidine	0.743	0.346	53.4	79	0.00	8.53

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p517488a.D M6P4256.M Tue Dec 17 21:05:32 2024

Continuing Calibration Summary

Job Number: JE1542 **Sample:** E6P4336-CC4255
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 6P519538.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : R:\Dayton\MSSEMI\Com...ll\e6p4336\6p519538.d Vial: 7
Acq On : 17 Dec 2024 11:41 am Operator: anthonyo
Sample : cc4255-2 Inst : GCMS6P
Misc : op58051,e6p4336,30.0,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : R:\Dayton\MSSEMI_Methods\M6P4256.M (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msplus30m x .25mm x .25um
Last Update : Mon Sep 30 12:25:03 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 100% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
103	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	108	-0.22	4.37
104	Benzaldehyde	1.458	1.161	20.4	89	-0.19	4.17
107 I	Naphthalene-d8a	1.000	1.000	0.0	99	-0.20	5.10
108 T	Caprolactam	0.220	0.148	32.7	79	-0.19	5.36

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p517488a.D M6P4256.M Wed Dec 18 09:07:13 2024

Initial Calibration Summary

Job Number: JE1542 **Sample:** ECS369-ICC369
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** CS7079.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Response Factor Report GCMS_CS

Method : D:\MassHunter\GC...methods\mcs369.m (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuWed Aug 10 17:05:37 2022
Last Update : Wed Dec 11 09:20:25 2024
Response via : Initial Calibration

Calibration Files
2 =cs7081.D 5 =cs7082.D 25 =cs7084.D 80 =cs7085.D
100 =cs7086.D 50 =cs7079.D 1 =cs7080.D 10 =cs7083.D

Compound	2	5	25	80	100	50	1	10	Avg %RSD
1) I 1,4-Dichlorobenzene-d	ISTD								
2) 1,4-Dioxane	0.651	0.627	0.612	0.621	0.696	0.625	0.672	0.595	0.637	5.22
3) Pyridine	1.328	1.333	1.457	1.680	1.842	1.656	1.326	1.613	1.529	12.83
4) N-Nitrosodim	0.758	0.721	0.776	0.807	0.900	0.849	0.694	0.831	0.792	8.63
5) 2-Fluorophen	1.217	1.313	1.340	1.371	1.495	1.444	1.170	1.342	1.337	8.02
6) Indene	2.572	2.479	2.204	1.695	1.766	2.015	2.564	2.472	2.221	16.11
7) Cumene	3.062	2.932	2.845	2.556	2.757	2.840	3.115	3.014	2.890	6.29
8) Phenol-d5	1.624	1.654	1.563	1.468	1.575	1.625	1.630	1.683	1.603	4.16
9) Phenol	1.825	1.832	1.809	1.623	1.745	1.838	1.965	1.934	1.821	5.84
10) Aniline	1.920	2.030	2.095	1.984	2.149	2.149	1.779	2.176	2.035	6.73
11) bis(2-Chloro	1.305	1.364	1.275	1.188	1.285	1.317	1.680	1.275	1.336	11.06
12) 2-Chlorophen	1.503	1.477	1.446	1.374	1.485	1.494	1.507	1.525	1.476	3.22
13) Decane	1.706	1.641	1.479	1.244	1.326	1.453	1.756	1.667	1.534	12.19
14) 1,3-Dichloro	1.747	1.644	1.589	1.423	1.534	1.559	1.753	1.666	1.614	6.91
15) 1,4-Dichloro	1.771	1.696	1.587	1.413	1.501	1.575	1.743	1.682	1.621	7.65
16) Benzyl alcoh	0.870	0.879	0.869	0.810	0.851	0.920	0.816	0.914	0.866	4.62
17) 1,2-Dichloro	1.634	1.622	1.480	1.285	1.326	1.448	1.622	1.597	1.502	9.29
18) Acetophenone	2.032	1.921	1.621	1.252	1.337	1.471	1.989	1.903	1.691	18.37
19) 2-Methylphen	1.339	1.347	1.162	0.920	0.960	1.093	1.362	1.360	1.193	15.56
20) 2,2'-oxybis(	0.496	0.449	0.434	0.390	0.411	0.432	0.468	0.467	0.443	7.63
21) 3&4-Methylph	1.378	1.392	1.148	0.833	0.875	1.005	1.509	1.364	1.188	21.82
---- Quadratic regression ---- Coefficient = 0.9951										
Response Ratio = 0.02263 + 1.21630 *A + -0.07906 *A^2										
22) n-Nitroso-di	0.831	0.827	0.711	0.642	0.731	0.679	0.859	0.821	0.763	10.72
23) Hexachloroet	0.515	0.508	0.493	0.461	0.493	0.503	0.546	0.518	0.505	4.85
24) I Naphthalene-d8	ISTD								
25) Nitrobenzene	0.381	0.368	0.370	0.345	0.376	0.379	0.363	0.380	0.370	3.20
26) Nitrobenzene	0.422	0.416	0.397	0.367	0.390	0.399	0.427	0.409	0.404	4.83
27) Quinoline	0.734	0.714	0.708	0.663	0.738	0.726	0.728	0.734	0.718	3.42
28) Isophorone	0.710	0.675	0.664	0.627	0.685	0.686	0.693	0.690	0.679	3.65
29) 2-Nitropheno	0.181	0.186	0.191	0.153	0.160	0.185	0.173	0.199	0.179	8.75
30) 2,4-Dimethyl	0.399	0.385	0.379	0.331	0.356	0.365	0.400	0.398	0.377	6.54
31) Benzoic acid			0.252	0.300	0.331	0.297		0.227	0.281	14.73
32) bis(2-Chloro	0.483	0.458	0.443	0.391	0.422	0.434	0.477	0.468	0.447	6.89
33) 2,4-Dichloro	0.311	0.310	0.313	0.279	0.298	0.312	0.314	0.329	0.308	4.70
34) 2,6-Dichloro	0.319	0.303	0.288	0.230	0.243	0.275	0.307	0.307	0.284	11.39
35) 1,3,5-Trichl	0.371	0.353	0.329	0.265	0.275	0.307	0.376	0.359	0.329	12.97
36) 1,2,4-Trichl	0.360	0.336	0.318	0.276	0.296	0.310	0.354	0.340	0.324	9.00
37) 1,2,3-Trichl	0.341	0.331	0.310	0.270	0.290	0.303	0.339	0.333	0.315	8.22
38) Naphthalene	1.200	1.138	1.064	0.893	0.934	1.024	1.227	1.144	1.078	11.26
39) 4-Chloroanil	0.492	0.478	0.435	0.341	0.349	0.407	0.475	0.478	0.432	13.92
40) 2,3-Dichloro	0.367	0.342	0.320	0.251	0.263	0.305	0.380	0.354	0.323	14.61
41) Hydroquinone	0.265	0.276	0.283	0.319	0.336	0.329	0.276	0.306	0.299	9.02
42) Hexachlorobu	0.177	0.173	0.161	0.142	0.150	0.157	0.183	0.174	0.164	8.82

Initial Calibration Summary

Job Number: JE1542 **Sample:** ECS369-ICC369
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** CS7079.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

43) 4-Chloro-3-m 0.329 0.323 0.305 0.282 0.299 0.317 0.316 0.333 0.313 5.39
44) 2-Methylnaph 0.682 0.643 0.597 0.493 0.526 0.576 0.677 0.646 0.605 11.46
45) 1-Methylnaph 0.695 0.609 0.581 0.483 0.501 0.561 0.694 0.622 0.593 13.25

46) I Acenaphthene-d10 ----------ISTD----------
47) Hexachlorocy 0.157 0.216 0.205 0.218 0.218 0.192 0.201 11.88
48) 1,2,4,5-tetr 0.616 0.587 0.542 0.447 0.463 0.501 0.648 0.586 0.549 13.29
49) 2,4,6-Trichl 0.374 0.367 0.346 0.282 0.289 0.328 0.342 0.364 0.336 10.35
50) 2,4,5-Trichl 0.423 0.447 0.422 0.370 0.404 0.399 0.421 0.442 0.416 5.93
51) 2-Fluorobiph 1.513 1.457 1.335 1.098 1.192 1.256 1.580 1.449 1.360 12.36
52) 2-Chloronaph 1.345 1.337 1.213 1.027 1.069 1.149 1.355 1.327 1.228 10.84
53) Biphenyl 1.788 1.706 1.583 1.275 1.337 1.449 1.806 1.684 1.578 12.90
54) 2-Nitroanili 0.333 0.373 0.387 0.364 0.401 0.389 0.315 0.389 0.369 8.21
55) Dimethylphth 1.439 1.400 1.338 1.195 1.302 1.322 1.470 1.423 1.361 6.59
56) Acenaphthyle 1.792 1.816 1.768 1.521 1.638 1.696 1.835 1.861 1.741 6.63
57) 2,6-Dinitrot 0.233 0.272 0.300 0.293 0.315 0.307 0.212 0.292 0.278 13.24
58) 3-Nitroanili 0.315 0.339 0.370 0.357 0.395 0.377 0.280 0.369 0.351 10.67
59) Acenaphthene 1.398 1.347 1.241 1.044 1.089 1.163 1.431 1.335 1.256 11.55
60) 2,4-Dinitrop 0.053 0.089 0.154 0.171 0.190 0.174 0.121 0.136 36.96
---- Quadratic regression ---- Coefficient = 0.9981
Response Ratio = -0.01191 + 0.15122 *A + 0.00767 *A^2

61) 4-Nitropheno 0.124 0.139 0.172 0.165 0.187 0.169 0.126 0.159 0.155 14.84
62) Dibenzofuran 1.874 1.840 1.656 1.287 1.342 1.519 1.953 1.819 1.661 15.25
63) 2,4-Dinitrot 0.340 0.377 0.393 0.321 0.339 0.369 0.287 0.403 0.354 11.04
64) 2,3,4,6-Tetr 0.269 0.289 0.302 0.277 0.295 0.303 0.269 0.310 0.289 5.52
65) Diethylphtha 1.399 1.369 1.357 1.198 1.321 1.316 1.416 1.417 1.349 5.37
66) Fluorene 1.460 1.425 1.266 0.974 1.004 1.129 1.461 1.398 1.265 16.13
67) 4-Chlorophen 0.617 0.608 0.555 0.420 0.441 0.491 0.663 0.606 0.550 16.26
68) 4-Nitroanili 0.250 0.309 0.380 0.355 0.407 0.386 0.226 0.364 0.335 19.86

69) I Phenanthrene-d10 ----------ISTD----------
70) 4,6-Dinitro- 0.059 0.086 0.128 0.140 0.150 0.145 0.037 0.110 0.107 39.50
---- Quadratic regression ---- Coefficient = 0.9983
Response Ratio = -0.00302 + 0.12749 *A + 0.00912 *A^2

71) n-Nitrosodip 0.751 0.720 0.704 0.604 0.642 0.680 0.750 0.756 0.701 7.90
72) 1,2-Diphenyl 0.844 0.857 0.846 0.749 0.806 0.837 0.830 0.872 0.830 4.57
73) pentachloron 0.031 0.033 0.037 0.034 0.036 0.039 0.024 0.038 0.034# 13.70
74) 2,4,6-Tribro 0.097 0.106 0.111 0.108 0.116 0.118 0.083 0.114 0.107 10.88
75) 4-Bromopheny 0.201 0.204 0.202 0.183 0.195 0.204 0.207 0.214 0.201 4.55
76) Hexachlorobe 0.241 0.227 0.225 0.204 0.215 0.227 0.250 0.239 0.228 6.48
77) Pentachlorop 0.110 0.126 0.137 0.122 0.127 0.138 0.098 0.139 0.125 11.59
78) Phenanthrene 1.291 1.260 1.168 0.996 1.057 1.124 1.337 1.232 1.183 10.03
79) Anthracene 1.259 1.221 1.197 1.024 1.094 1.160 1.221 1.263 1.180 7.10
80) Carbazole 1.170 1.154 1.152 1.019 1.071 1.145 1.176 1.216 1.138 5.54
81) Di-n-butylph 1.205 1.238 1.353 1.267 1.344 1.377 1.152 1.379 1.289 6.68
82) Fluoranthene 1.215 1.176 1.185 1.057 1.110 1.174 1.190 1.248 1.169 5.11
83) Octadecane 0.666 0.674 0.657 0.551 0.588 0.643 0.663 0.700 0.643 7.61

84) I Chrysene-d12 ----------ISTD----------
85) benzidine 0.606 1.044 1.322 1.604 0.660 1.047 40.78
86) Pyrene 1.556 1.564 1.645 1.616 1.782 1.688 1.649 1.602 1.638 4.46
87) Terphenyl-d1 1.045 1.024 1.086 1.077 1.186 1.132 1.087 1.072 1.089 4.62
88) Butylbenzylp 0.497 0.581 0.746 0.841 0.840 0.661 0.694 20.18
---- Quadratic regression ---- Coefficient = 0.9988
Response Ratio = -0.01658 + 0.75182 *A + 0.05410 *A^2

89) Benzo[a]anth 1.268 1.205 1.266 1.235 1.354 1.297 1.307 1.267 1.275 3.56
90) 3,3'-Dichlor 0.393 0.411 0.466 0.466 0.508 0.497 0.381 0.449 0.446 10.55

Initial Calibration Summary

Job Number: JE1542 **Sample:** ECS369-ICC369
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** CS7079.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

```
 91) Chrysene     1.395 1.367 1.343 1.355 1.499 1.416 1.461 1.414 1.406   3.81
 92) bis(2-Ethylh 0.623 0.782 1.040 1.162 1.318 1.165       0.922 1.002  24.17
             ---- Quadratic regression ----  Coefficient =  0.9985
               Response Ratio = -0.02047 + 0.98278 *A + 0.12575 *A^2


 93) I   Perylene-d12          ----------------ISTD---------------------
 94) Di-n-octylph 0.842 1.075 1.477 1.499 1.626 1.620       1.355 1.357  21.71
             ---- Quadratic regression ----  Coefficient =  0.9982
               Response Ratio = -0.04127 + 1.53444 *A + 0.03106 *A^2

 95) Benzo[b]fluo 1.266 1.202 1.142 1.010 1.131 1.092 1.135 1.251 1.154   7.32
 96) Benzo[k]fluo 1.266 1.267 1.223 1.011 1.043 1.195 1.281 1.284 1.196   9.12
 97) Benzo[a]pyre 0.928 0.990 1.070 0.973 1.050 1.065 0.898 1.079 1.007   6.90
 98) Indeno[1,2,3 1.402 1.326 1.366 1.237 1.362 1.325 1.774 1.423 1.402  11.47
 99) Dibenz(a,h)a 0.816 0.818 0.915 0.861 0.959 0.925 0.856 0.922 0.884   6.05
100) Dibenz[a,h]a 1.116 1.060 1.105 0.981 1.069 1.067 1.315 1.159 1.109   8.82
101) 7,12-Dimethy 0.395 0.427 0.479 0.419 0.448 0.468 0.424 0.463 0.440   6.53
102) Benzo[g,h,i] 1.125 1.055 1.069 1.005 1.105 1.022 1.360 1.098 1.105  10.03

103)     1,4-Dichlorobenzene-d ----------------ISTD---------------------
104) Benzaldehyde 1.131 1.156 1.168 1.071 1.023 1.142 1.050 1.185 1.116   5.37

105)     Phenanthrene-d10a     ----------------ISTD---------------------
106) Atrazine     0.089 0.095 0.106 0.097 0.099 0.102 0.078 0.104 0.096   9.53

107) I   Naphthalene-d8a       ----------------ISTD---------------------
108) Caprolactam  0.137 0.153 0.179 0.182 0.178 0.185 0.171 0.170 0.169   9.66

109)     Phenanthrene-d10b     ----------------ISTD---------------------
110) 1-chloroocta 0.393 0.412 0.456 0.393 0.383 0.434 0.361 0.449 0.410   8.20
111) o-terphenyl  0.584 0.555 0.550 0.468 0.454 0.509 0.559 0.587 0.533   9.53

112) I   Chrysene-d12a         ----------------ISTD---------------------
113) 2,3,7,8-TCDD                                                0.000# -1.00
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           mcs369.m          Thu Dec 12 07:49:38 2024
```

Initial Calibration Verification

Job Number: JE1542 **Sample:** ECS369-ICV369
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** CS7095.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : D:\MassHunter\GCMS\1\data\ECS369\cs7095.D Vial: 18
Acq On : 09 Dec 2024 07:52 pm Operator: rocquans
Sample : icv369-50 Inst : GCMS_CS
Misc : op59616,ecs369,30.0,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : D:\MassHunter\GC...methods\mcs369.m (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuWed Aug 10 17:05:37 2022
Last Update : Tue Dec 10 16:30:21 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	108	0.00	3.46
2	t	1,4-Dioxane	0.637	0.623	2.2	107	0.00	1.58
6	t	Indene	2.221	2.340	-5.4	125	0.00	3.60
7	t	Cumene	2.890	2.931	-1.4	111	0.00	3.00
11	t	bis(2-Chloroethyl)ether	1.336	1.382	-3.4	113	0.00	3.31
13	t	Decane	1.534	1.479	3.6	109	0.00	3.37
14	t	1,3-Dichlorobenzene	1.614	1.627	-0.8	112	0.00	3.43
15	t	1,4-Dichlorobenzene	1.621	1.615	0.4	110	0.00	3.47
16	t	Benzyl alcohol	0.866	0.945	-9.1	110	0.00	3.54
17	t	1,2-Dichlorobenzene	1.502	1.525	-1.5	113	0.00	3.55
18	t	Acetophenone	1.691	1.990	-17.7	146	0.00	3.69
20	t	2,2'-oxybis(1-Chloropropa	0.443	0.445	-0.5	111	0.00	3.61
23	t	Hexachloroethane	0.505	0.520	-3.0	111	0.00	3.74
24	I	Naphthalene-d8	1.000	1.000	0.0	110	0.00	4.17
26	t	Nitrobenzene	0.404	0.398	1.5	109	0.00	3.78
27	t	Quinoline	0.718	0.705	1.8	106	-0.01	4.37
28	t	Isophorone	0.679	0.686	-1.0	110	0.00	3.92
32	t	bis(2-Chloroethoxy)methan	0.447	0.455	-1.8	115	0.00	4.04
35		1,3,5-Trichlorobenzene	0.329	0.338	-2.7	121	0.00	3.97
36	t	1,2,4-Trichlorobenzene	0.324	0.317	2.2	112	0.00	4.14
37		1,2,3-Trichlorobenzene	0.315	0.309	1.9	112	0.00	4.26
38	t	Naphthalene	1.078	1.026	4.8	110	0.00	4.18
40	t	2,3-Dichloroaniline	0.323	0.342	-5.9	123	0.00	4.73
42	t	Hexachlorobutadiene	0.164	0.159	3.0	111	0.00	4.25
44	t	2-Methylnaphthalene	0.605	0.586	3.1	112	0.00	4.57
45	t	1-Methylnaphthalene	0.593	0.566	4.6	111	0.00	4.63
46	I	Acenaphthene-d10	1.000	1.000	0.0	109	0.00	5.22
47	t	Hexachlorocyclopentadiene	0.201	0.229	-13.9	114	0.00	4.66

Initial Calibration Verification

Job Number: JE1542 **Sample:** ECS369-ICV369
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** CS7095.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

48	1,2,4,5-tetrachlorobenzen	0.549	0.505	8.0	110	0.00	4.67
52 t	2-Chloronaphthalene	1.228	1.173	4.5	111	0.00	4.86
53 t	Biphenyl	1.578	1.497	5.1	113	0.00	4.84
55 t	Dimethylphthalate	1.361	1.366	-0.4	113	0.00	5.04
56 t	Acenaphthylene	1.741	1.795	-3.1	115	0.00	5.12
57 t	2,6-Dinitrotoluene	0.278	0.306	-10.1	108	0.00	5.08
59 t	Acenaphthene	1.256	1.195	4.9	112	0.00	5.24
62 t	Dibenzofuran	1.661	1.548	6.8	111	0.00	5.36
63 t	2,4-Dinitrotoluene	0.354	0.358	-1.1	106	0.00	5.36
65 t	Diethylphthalate	1.349	1.342	0.5	111	0.00	5.53
66 t	Fluorene	1.265	1.154	8.8	111	0.00	5.62
67 t	4-Chlorophenyl-phenylethe	0.550	0.511	7.1	113	0.00	5.62
69 I	Phenanthrene-d10	1.000	1.000	0.0	116	0.00	6.42
72 t	1,2-Diphenylhydrazine	0.830	0.813	2.0	113	0.00	5.75
73	pentachloronitrobenzene	0.034	0.038#	-11.8	115	0.00	6.26
75 t	4-Bromophenyl-phenylether	0.201	0.202	-0.5	115	0.00	6.02
76 t	Hexachlorobenzene	0.228	0.222	2.6	114	0.00	6.07
78 t	Phenanthrene	1.183	1.117	5.6	115	0.00	6.44
79 t	Anthracene	1.180	1.138	3.6	114	0.00	6.50
80 t	Carbazole	1.138	1.118	1.8	113	0.00	6.66
81 t	Di-n-butylphthalate	1.289	1.354	-5.0	114	0.00	7.05
82 t	Fluoranthene	1.169	1.147	1.9	113	0.00	7.66
83 t	Octadecane	0.643	0.630	2.0	114	0.00	6.35
84 I	Chrysene-d12	1.000	1.000	0.0	115	0.00	9.31
		AvgRF	CCRF	% Dev			
86 t	Pyrene	1.638	1.671	-2.0	114	0.00	7.90
		True	Calc.	% Drift			
88 t	Butylbenzylphthalate	50.000	50.235	-0.5	111	0.00	8.73
		AvgRF	CCRF	% Dev			
89 t	Benzo[a]anthracene	1.275	1.393	-9.3	124	0.00	9.29
91 t	Chrysene	1.406	1.436	-2.1	117	0.00	9.34
		True	Calc.	% Drift			
92 t	bis(2-Ethylhexyl)phthalat	50.000	50.688	-1.4	113	0.00	9.44
		AvgRF	CCRF	% Dev			
93 I	Perylene-d12	1.000	1.000	0.0	113	0.00	10.88
		True	Calc.	% Drift			
94 t	Di-n-octylphthalate	50.000	53.864	-7.7	116	0.00	10.19

Initial Calibration Verification

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: ECS369-ICV369
Lab FileID: CS7095.D

			AvgRF	CCRF	% Dev			
95	t	Benzo[b]fluoranthene	1.154	1.164	-0.9	120	0.00	10.50
96	t	Benzo[k]fluoranthene	1.196	1.195	0.1	113	0.00	10.53
97	t	Benzo[a]pyrene	1.007	1.112	-10.4	118	0.00	10.83
98	t	Indeno[1,2,3-cd]pyrene	1.402	1.398	0.3	119	0.00	11.91
99	t	Dibenz(a,h)acridine	0.884	0.977	-10.5	119	0.00	11.70
100	t	Dibenz[a,h]anthracene	1.109	1.131	-2.0	119	0.00	11.94
101	t	7,12-Dimethylbenz(a)anthr	0.440	0.382	13.2	92	0.00	10.49
102	t	Benzo[g,h,i]perylene	1.105	1.127	-2.0	124	0.00	12.18

(#) = Out of Range SPCC's out = 0 CCC's out = 0
cs7092a.D mcs369.m Wed Dec 11 09:16:07 2024

Initial Calibration Verification

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: ECS369-ICV369
Lab FileID: CS7096.D

Evaluate Continuing Calibration Report

Data File : D:\MassHunter\GCMS\1\data\ECS369\cs7096.D Vial: 19
Acq On : 09 Dec 2024 08:10 pm Operator: rocquans
Sample : icv369-50 Inst : GCMS_CS
Misc : op59616,ecs369,30.0,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : D:\MassHunter\GC...methods\mcs369.m (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuWed Aug 10 17:05:37 2022
Last Update : Tue Dec 10 16:30:21 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	116	0.00	3.46
9	t	Phenol	1.821	1.678	7.9	106	0.00	3.26
12	t	2-Chlorophenol	1.476	1.439	2.5	112	0.00	3.34
19	t	2-Methylphenol	1.193	1.216	-1.9	130	0.00	3.60
21	t	3&4-Methylphenol	100.000	114.829	-14.8	133	-0.01	3.69
24	I	Naphthalene-d8	1.000	1.000	0.0	116	0.00	4.17
29	t	2-Nitrophenol	0.179	0.198	-10.6	123	0.00	3.96
30	t	2,4-Dimethylphenol	0.377	0.357	5.3	113	0.00	3.98
31	t	Benzoic acid	0.281	0.282	-0.4	110	0.00	4.06
33	t	2,4-Dichlorophenol	0.308	0.297	3.6	110	0.00	4.09
34	t	2,6-Dichlorophenol	0.284	0.291	-2.5	122	0.00	4.22
41	t	Hydroquinone	0.299	0.377	-26.1	132	0.00	4.40
43	t	4-Chloro-3-methylphenol	0.313	0.304	2.9	111	0.00	4.48
46	I	Acenaphthene-d10	1.000	1.000	0.0	110	0.00	5.21
49	t	2,4,6-Trichlorophenol	0.336	0.392	-16.7	131	0.00	4.73
50	t	2,4,5-Trichlorophenol	0.416	0.393	5.5	108	0.00	4.75
		----------	True	Calc.	% Drift	----------		
60	t	2,4-Dinitrophenol	100.000	96.961	3.0	101	0.00	5.27
		----------	AvgRF	CCRF	% Dev	----------		
61	t	4-Nitrophenol	0.155	0.179	-15.5	116	0.00	5.31
64		2,3,4,6-Tetrachlorophenol	0.289	0.305	-5.5	111	0.00	5.45

Initial Calibration Verification

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: ECS369-ICV369
Lab FileID: CS7096.D

				True	Calc.	% Drift			
69	I	Phenanthrene-d10		1.000	1.000	0.0	118	0.00	6.42
70	t	4,6-Dinitro-2-methylpheno		50.000	48.112	3.8	107	0.00	5.67
77	t	Pentachlorophenol		0.125	0.135	-8.0	116	0.00	6.25
84	I	Chrysene-d12		1.000	1.000	0.0	130	0.00	9.30

(#) = Out of Range SPCC's out = 0 CCC's out = 0

cs7092a.D mcs369.m Wed Dec 11 09:16:09 2024

Initial Calibration Verification

Job Number: JE1542 **Sample:** ECS369-ICV369
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** CS7097.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : D:\MassHunter\GCMS\1\data\ECS369\cs7097.D Vial: 20
Acq On : 09 Dec 2024 08:29 pm Operator: rocquans
Sample : icv369-50 Inst : GCMS_CS
Misc : op59616,ecs369,30.0,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : D:\MassHunter\GC...methods\mcs369.m (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuWed Aug 10 17:05:37 2022
Last Update : Wed Dec 11 09:20:25 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	107	0.00	3.46
-							
3 t	Pyridine	1.529	1.519	0.7	98	0.00	1.84
4 t	N-Nitrosodimethylamine	0.792	0.869	-9.7	109	0.00	1.81
10	Aniline	2.035	1.980	2.7	99	0.00	3.28
	----------	AvgRF	CCRF	% Dev	----------		
22 t	n-Nitroso-di-n-propylamin	0.763	0.829	-8.7	131	-0.01	3.69
24 I	Naphthalene-d8	1.000	1.000	0.0	108	0.00	4.17
39 t	4-Chloroaniline	0.432	0.445	-3.0	118	0.00	4.22
46 I	Acenaphthene-d10	1.000	1.000	0.0	102	0.00	5.21
54 t	2-Nitroaniline	0.369	0.387	-4.9	102	0.00	4.92
58 t	3-Nitroaniline	0.351	0.379	-8.0	103	0.00	5.19
68 t	4-Nitroaniline	0.335	0.363	-8.4	96	0.00	5.64
69 I	Phenanthrene-d10	1.000	1.000	0.0	114	0.00	6.42
	----------	AvgRF	CCRF	% Dev	----------		
71 t	n-Nitrosodiphenylamine	0.701	0.627	10.6	105	0.00	5.71
84 I	Chrysene-d12	1.000	1.000	0.0	112	0.00	9.30
85	benzidine	1.047	0.990	5.4	69	0.00	7.84
90 t	3,3'-Dichlorobenzidine	0.446	0.484	-8.5	110	0.00	9.30

Initial Calibration Verification

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: ECS369-ICV369
Lab FileID: CS7097.D

```
(#) = Out of Range              SPCC's out = 0  CCC's out = 0
 cs7092a.D  mcs369.m        Fri Dec 13 08:54:18 2024
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Initial Calibration Verification

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: ECS369-ICV369
Lab FileID: CS7098.D

Evaluate Continuing Calibration Report

Data File : D:\MassHunter\GCMS\1\data\ECS369\cs7098.D Vial: 21
Acq On : 09 Dec 2024 08:47 pm Operator: rocquans
Sample : icv369-50 Inst : GCMS_CS
Misc : op59616,ecs369,30.0,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : D:\MassHunter\GC...methods\mcs369.m (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuWed Aug 10 17:05:37 2022
Last Update : Tue Dec 10 16:30:21 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
103	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	101	0.00	3.46
104	Benzaldehyde	1.116	1.081	3.1	95	0.00	3.22
105	Phenanthrene-d10a	1.000	1.000	0.0	107	0.00	6.42
106	Atrazine	0.096	0.095	1.0	100	0.00	6.18
107 I	Naphthalene-d8a	1.000	1.000	0.0	99	0.00	4.17
108 T	Caprolactam	0.169	0.176	-4.1	94	0.00	4.41

(#) = Out of Range SPCC's out = 0 CCC's out = 0
cs7092a.D mcs369.m Wed Dec 11 09:16:13 2024

Continuing Calibration Summary

Job Number: JE1542 **Sample:** ECS377-CC369
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** CS7297.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : X:\Dayton SVOA GCMS\michaell\ecs377\cs7297.D Vial: 2
Acq On : 20 Dec 2024 10:46 am Operator: jackleey
Sample : cc369-50 Inst : GCMS_CS
Misc : op60296,ecs377,30.0,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : X:\Dayton SVOA G...\ecs377\mcs369.m (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuWed Aug 10 17:05:37 2022
Last Update : Fri Dec 20 17:58:06 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	89	0.00	3.36
2	t	1,4-Dioxane	0.637	0.588	7.7	84	0.00	1.43
3	t	Pyridine	1.529	1.698	-11.1	91	0.00	1.70
4	t	N-Nitrosodimethylamine	0.792	0.822	-3.8	86	0.00	1.67
5	S	2-Fluorophenol	1.337	1.394	-4.3	86	0.00	2.60
6	t	Indene	2.221	2.312	-4.1	102	0.00	3.51
7	t	Cumene	2.890	2.725	5.7	86	0.00	2.90
8	S	Phenol-d5	1.603	1.612	-0.6	88	0.00	3.16
9	t	Phenol	1.821	1.768	2.9	86	0.00	3.18
10		Aniline	2.035	2.057	-1.1	85	0.00	3.18
11	t	bis(2-Chloroethyl)ether	1.336	1.293	3.2	88	0.00	3.22
12	t	2-Chlorophenol	1.476	1.476	0.0	88	0.00	3.24
13	t	Decane	1.534	1.493	2.7	92	0.00	3.27
14	t	1,3-Dichlorobenzene	1.614	1.563	3.2	89	0.00	3.32
15	t	1,4-Dichlorobenzene	1.621	1.589	2.0	90	0.00	3.37
16	t	Benzyl alcohol	0.866	0.921	-6.4	89	0.00	3.45
17	t	1,2-Dichlorobenzene	1.502	1.439	4.2	89	0.00	3.45
18	t	Acetophenone	1.691	1.757	-3.9	106	0.00	3.60
19	t	2-Methylphenol	1.193	1.229	-3.0	100	0.00	3.51
20	t	2,2'-oxybis(1-Chloropropa	0.443	0.420	5.2	87	0.00	3.52
		---------- True	Calc.	% Drift	----------			
21	t	3&4-Methylphenol	100.000	118.135	-18.1	104	0.00	3.60
		---------- AvgRF	CCRF	% Dev	----------			
22	t	n-Nitroso-di-n-propylamin	0.763	0.800	-4.8	105	0.00	3.60
23	t	Hexachloroethane	0.505	0.504	0.2	89	0.00	3.64
24	I	Naphthalene-d8	1.000	1.000	0.0	94	0.00	4.07
25	S	Nitrobenzene-d5	0.370	0.364	1.6	90	0.00	3.68
26	t	Nitrobenzene	0.404	0.385	4.7	91	0.00	3.69
27	t	Quinoline	0.718	0.754	-5.0	98	0.00	4.28
28	t	Isophorone	0.679	0.690	-1.6	95	0.00	3.83
29	t	2-Nitrophenol	0.179	0.190	-6.1	96	0.00	3.87
30	t	2,4-Dimethylphenol	0.377	0.364	3.4	94	0.00	3.90
31	t	Benzoic acid	0.281	0.328	-16.7	104	0.00	3.98
32	t	bis(2-Chloroethoxy)methan	0.447	0.433	3.1	94	0.00	3.95
33	t	2,4-Dichlorophenol	0.308	0.312	-1.3	94	0.00	4.00
34	t	2,6-Dichlorophenol	0.284	0.278	2.1	95	0.00	4.13
35		1,3,5-Trichlorobenzene	0.329	0.306	7.0	94	0.00	3.87
36	t	1,2,4-Trichlorobenzene	0.324	0.310	4.3	94	0.00	4.05
37		1,2,3-Trichlorobenzene	0.315	0.306	2.9	95	0.00	4.17

Continuing Calibration Summary

Job Number: JE1542 **Sample:** ECS377-CC369
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** CS7297.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

38	t	Naphthalene	1.078	1.028	4.6	94	0.00	4.09
39	t	4-Chloroaniline	0.432	0.424	1.9	98	0.00	4.12
40	t	2,3-Dichloroaniline	0.323	0.316	2.2	98	0.00	4.64
41	t	Hydroquinone	0.299	0.371	-24.1#	106	0.00	4.31
42	t	Hexachlorobutadiene	0.164	0.157	4.3	94	0.00	4.15
43	t	4-Chloro-3-methylphenol	0.313	0.324	-3.5	96	0.00	4.39
44	t	2-Methylnaphthalene	0.605	0.607	-0.3	99	0.00	4.47
45	t	1-Methylnaphthalene	0.593	0.567	4.4	95	0.00	4.53
46	I	Acenaphthene-d10	1.000	1.000	0.0	96	0.00	5.10
47	t	Hexachlorocyclopentadiene	0.201	0.224	-11.4	99	0.00	4.56
48		1,2,4,5-tetrachlorobenzen	0.549	0.505	8.0	97	0.00	4.57
49	t	2,4,6-Trichlorophenol	0.336	0.342	-1.8	100	0.00	4.64
50	t	2,4,5-Trichlorophenol	0.416	0.426	-2.4	103	0.00	4.66
51	S	2-Fluorobiphenyl	1.360	1.293	4.9	99	0.00	4.68
52	t	2-Chloronaphthalene	1.228	1.161	5.5	97	0.00	4.75
53	t	Biphenyl	1.578	1.497	5.1	99	0.00	4.74
54	t	2-Nitroaniline	0.369	0.402	-8.9	99	0.00	4.82
55	t	Dimethylphthalate	1.361	1.376	-1.1	100	0.00	4.93
56	t	Acenaphthylene	1.741	1.748	-0.4	99	0.00	5.01
57	t	2,6-Dinitrotoluene	0.278	0.327	-17.6	102	0.00	4.97
58	t	3-Nitroaniline	0.351	0.396	-12.8	101	0.00	5.08
59	t	Acenaphthene	1.256	1.207	3.9	100	0.00	5.12

			True	Calc.	% Drift			
60	t	2,4-Dinitrophenol	100.000	120.348	-20.3#	113	0.00	5.16

			AvgRF	CCRF	% Dev			
61	t	4-Nitrophenol	0.155	0.189	-21.9#	107	0.00	5.21
62	t	Dibenzofuran	1.661	1.593	4.1	101	0.00	5.24
63	t	2,4-Dinitrotoluene	0.354	0.419	-18.4	109	0.00	5.25
64		2,3,4,6-Tetrachlorophenol	0.289	0.320	-10.7	101	0.00	5.33
65	t	Diethylphthalate	1.349	1.379	-2.2	100	0.00	5.42
66	t	Fluorene	1.265	1.204	4.8	102	0.00	5.49
67	t	4-Chlorophenyl-phenylethe	0.550	0.527	4.2	103	0.00	5.50
68	t	4-Nitroaniline	0.335	0.398	-18.8	99	0.00	5.52
69	I	Phenanthrene-d10	1.000	1.000	0.0	103	0.00	6.28

			True	Calc.	% Drift			
70	t	4,6-Dinitro-2-methylpheno	50.000	55.434	-10.9	109	0.00	5.55

			AvgRF	CCRF	% Dev			
71	t	n-Nitrosodiphenylamine	0.701	0.675	3.7	103	0.00	5.59
72	t	1,2-Diphenylhydrazine	0.830	0.801	3.5	99	0.00	5.62
73		pentachloronitrobenzene	0.034	0.038#	-11.8	103	0.00	6.13
74	S	2,4,6-Tribromophenol	0.107	0.117	-9.3	102	0.00	5.68
75	t	4-Bromophenyl-phenylether	0.201	0.201	0.0	102	0.00	5.89
76	t	Hexachlorobenzene	0.228	0.223	2.2	102	0.00	5.94
77	t	Pentachlorophenol	0.125	0.136	-8.8	102	0.00	6.12
78	t	Phenanthrene	1.183	1.135	4.1	104	0.00	6.30
79	t	Anthracene	1.180	1.170	0.8	104	0.00	6.35
80	t	Carbazole	1.138	1.139	-0.1	103	0.00	6.51
81	t	Di-n-butylphthalate	1.289	1.419	-10.1	107	0.00	6.90
82	t	Fluoranthene	1.169	1.185	-1.4	104	0.00	7.51
83	t	Octadecane	0.643	0.647	-0.6	104	0.00	6.22
84	I	Chrysene-d12	1.000	1.000	0.0	107	0.00	9.14
85		benzidine	1.047	1.223	-16.8	81	0.00	7.69
86	t	Pyrene	1.638	1.679	-2.5	106	0.00	7.75

Continuing Calibration Summary

Job Number: JE1542 **Sample:** ECS377-CC369
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** CS7297.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

87	S	Terphenyl-d14	1.089	1.125	-3.3	106	0.00	7.96
			True	Calc.	% Drift			
88	t	Butylbenzylphthalate	50.000	53.367	-6.7	110	0.00	8.57
			AvgRF	CCRF	% Dev			
89	t	Benzo[a]anthracene	1.275	1.356	-6.4	112	0.00	9.13
90	t	3,3'-Dichlorobenzidine	0.446	0.525	-17.7	113	0.00	9.14
91	t	Chrysene	1.406	1.428	-1.6	108	0.00	9.17
			True	Calc.	% Drift			
92	t	bis(2-Ethylhexyl)phthalat	50.000	54.387	-8.8	114	0.00	9.29
			AvgRF	CCRF	% Dev			
93	I	Perylene-d12	1.000	1.000	0.0	111	0.00	10.72
			True	Calc.	% Drift			
94	t	Di-n-octylphthalate	50.000	55.506	-11.0	117	0.00	10.03
			AvgRF	CCRF	% Dev			
95	t	Benzo[b]fluoranthene	1.154	1.164	-0.9	118	0.00	10.34
96	t	Benzo[k]fluoranthene	1.196	1.136	5.0	105	0.00	10.36
97	t	Benzo[a]pyrene	1.007	1.085	-7.7	113	0.00	10.66
98	t	Indeno[1,2,3-cd]pyrene	1.402	1.373	2.1	115	0.00	11.73
99	t	Dibenz(a,h)acridine	0.884	0.980	-10.9	117	0.00	11.53
100	t	Dibenz[a,h]anthracene	1.109	1.102	0.6	114	0.00	11.75
101	t	7,12-Dimethylbenz(a)anthr	0.440	0.489	-11.1	116	0.00	10.33
102	t	Benzo[g,h,i]perylene	1.105	1.088	1.5	118	0.00	11.98

(#) = Out of Range SPCC's out = 0 CCC's out = 0
cs7297.D mcs369.m Fri Dec 20 19:32:29 2024

Continuing Calibration Summary

Job Number: JE1542 **Sample:** ECS377-CC369
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** CS7298.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : X:\Dayton SVOA GCMS\michaell\ecs377\cs7298.D Vial: 3
Acq On : 20 Dec 2024 11:05 am Operator: jackleey
Sample : cc369-50 Inst : GCMS_CS
Misc : op60296,ecs377,30.0,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : X:\Dayton SVOA G...\ecs377\mcs369.m (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuWed Aug 10 17:05:37 2022
Last Update : Fri Dec 20 17:58:06 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
103	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	93	0.00	3.36
104	Benzaldehyde	1.116	1.163	-4.2	94	0.00	3.12
105	Phenanthrene-d10a	1.000	1.000	0.0	111	0.00	6.28
106	Atrazine	0.096	0.110	-14.6	120	0.00	6.05
107 I	Naphthalene-d8a	1.000	1.000	0.0	97	0.00	4.07
108 T	Caprolactam	0.169	0.208	-23.1#	109	0.00	4.32
109	Phenanthrene-d10b	1.000	1.000	0.0	111	0.00	6.28
110 s	1-chlorooctadecane	0.410	0.458	-11.7	117	0.00	7.46
111 s	o-terphenyl	0.533	0.523	1.9	114	0.00	6.66

(#) = Out of Range SPCC's out = 0 CCC's out = 0
cs7297.D mcs369.m Fri Dec 20 19:32:35 2024

Initial Calibration Summary

Job Number: JE1542 **Sample:** ECT443-ICC443
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** CT9459.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Response Factor Report GCMS_CT

Method : D:\MassHunter\GC...methods\mct443.m (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuWed Aug 10 17:05:37 2022
Last Update : Tue Oct 22 15:45:05 2024
Response via : Initial Calibration

Calibration Files
2 =ct9461.D 5 =ct9462.D 25 =ct9464.D 80 =ct9465.D
100 =ct9466.D 50 =ct9459.D 1 =ct9460.D 10 =ct9463.D

Compound	2	5	25	80	100	50	1	10	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	ISTD									
2) 1,4-Dioxane	0.539	0.465	0.586	0.518	0.566	0.570	0.434	0.520	0.525	10.08
3) Pyridine	1.093	1.261	1.343	1.535	1.568	1.439		1.358	1.371	11.93
4) N-Nitrosodim	0.632	0.769	0.876	0.945	0.883	0.846		0.760	0.816	12.72
5) 2-Fluorophen	1.174	1.267	1.354	1.289	1.301	1.293	1.264	1.254	1.274	4.00
6) Indene	2.196	2.399	2.539	2.239	2.220	2.298	2.364	2.313	2.321	4.85
7) Cumene	2.747	2.910	3.002	2.709	2.695	2.790	2.820	2.878	2.819	3.77
8) Phenol-d5	1.524	1.666	1.835	1.618	1.645	1.707	1.567	1.670	1.654	5.69
9) Phenol	1.845	2.008	2.118	1.942	1.951	2.018	1.911	1.935	1.966	4.16
10) Aniline									0.000#	-1.00
11) bis(2-Chloro	3.494	3.678	3.841	3.270	3.085	3.527	2.326	3.570	3.349	14.16
12) 2-Chlorophen	1.314	1.423	1.517	1.396	1.404	1.393	1.297	1.377	1.390	4.86
13) Decane	1.721	1.775	1.773	1.433	1.406	1.600	1.671	1.680	1.632	8.77
14) 1,3-Dichloro	1.494	1.554	1.618	1.448	1.467	1.492	1.507	1.515	1.512	3.52
15) 1,4-Dichloro	1.453	1.578	1.645	1.468	1.480	1.507	1.500	1.551	1.523	4.24
16) Benzyl alcoh	0.726	0.806	0.986	0.948	0.962	0.950	0.660	0.827	0.858	14.21
17) 1,2-Dichloro	1.451	1.539	1.593	1.429	1.457	1.474	1.546	1.478	1.496	3.80
18) Acetophenone	1.873	2.085	2.365	2.142	2.147	2.151	1.988	2.086	2.105	6.74
19) 2-Methylphen	1.310	1.330	1.487	1.361	1.378	1.340	1.257	1.309	1.347	5.03
20) 2,2'-oxybis(	0.424	0.437	0.465	0.424	0.418	0.427	0.442	0.434	0.434	3.40
21) 3&4-Methylph	1.288	1.411	1.563	1.317	1.286	1.389	1.278	1.380	1.364	7.03
22) n-Nitroso-di	0.970	1.012	1.243	1.130	1.147	1.135	0.940	1.030	1.076	9.63
23) Hexachloroet	0.426	0.477	0.522	0.457	0.442	0.475	0.471	0.454	0.466	6.14
24) I Naphthalene-d8	ISTD									
25) Nitrobenzene	0.345	0.371	0.416	0.389	0.392	0.389	0.367	0.386	0.382	5.50
26) Nitrobenzene	0.358	0.396	0.437	0.393	0.398	0.409	0.355	0.412	0.395	6.92
27) Quinoline	0.611	0.685	0.779	0.717	0.752	0.724	0.619	0.679	0.696	8.55
28) Isophorone	0.582	0.646	0.785	0.716	0.725	0.722	0.564	0.669	0.676	11.26
29) 2-Nitropheno	0.141	0.158	0.197	0.190	0.194	0.187	0.145	0.168	0.172	13.05
30) 2,4-Dimethyl	0.336	0.379	0.413	0.370	0.379	0.382	0.337	0.381	0.372	6.81
31) Benzoic acid									0.000#	-1.00
32) bis(2-Chloro	0.379	0.422	0.478	0.447	0.451	0.459	0.385	0.441	0.433	8.10
33) 2,4-Dichloro	0.276	0.284	0.320	0.287	0.295	0.295	0.276	0.293	0.291	4.84
34) 2,6-Dichloro	0.271	0.298	0.315	0.263	0.265	0.286	0.271	0.290	0.282	6.48
35) 1,3,5-Trichl	0.315	0.332	0.338	0.292	0.296	0.314	0.322	0.332	0.318	5.25
36) 1,2,4-Trichl	0.300	0.319	0.333	0.291	0.292	0.298	0.303	0.318	0.307	4.94
37) 1,2,3-Trichl	0.292	0.315	0.329	0.286	0.290	0.294	0.312	0.312	0.304	5.01
38) Naphthalene	1.039	1.081	1.117	0.956	0.973	1.008	1.060	1.076	1.039	5.38
39) 4-Chloroanil	0.408	0.439	0.492	0.433	0.424	0.450	0.432	0.456	0.442	5.75
40) 2,3-Dichloro	0.304	0.345	0.380	0.330	0.336	0.345	0.342	0.339	0.340	6.15
41) Hydroquinone	0.224	0.283	0.288	0.248	0.241	0.284	0.248	0.241	0.257	9.52
42) Hexachlorobu	0.162	0.165	0.169	0.146	0.145	0.151	0.153	0.164	0.157	5.96
43) 4-Chloro-3-m	0.273	0.324	0.359	0.331	0.341	0.336	0.314	0.317	0.325	7.75
44) 2-Methylnaph	0.629	0.669	0.691	0.595	0.605	0.627	0.634	0.655	0.638	5.02
45) 1-Methylnaph	0.591	0.645	0.680	0.580	0.582	0.609	0.635	0.625	0.618	5.62

Initial Calibration Summary

Job Number: JE1542 **Sample:** ECT443-ICC443
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** CT9459.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

46) I Acenaphthene-d10 ----------ISTD----------
47) Hexachlorocy 0.155 0.220 0.201 0.192 0.161 0.176 0.184 13.57
48) 1,2,4,5-tetr 0.457 0.536 0.527 0.468 0.475 0.479 0.500 0.529 0.496 6.21
49) 2,4,6-Trichl 0.316 0.344 0.379 0.354 0.362 0.359 0.318 0.367 0.350 6.43
50) 2,4,5-Trichl 0.336 0.365 0.406 0.361 0.367 0.381 0.352 0.385 0.369 5.85
51) 2-Fluorobiph 1.297 1.375 1.345 1.126 1.145 1.233 1.334 1.359 1.277 7.65
52) 2-Chloronaph 1.116 1.183 1.202 1.049 1.060 1.110 1.144 1.187 1.131 5.11
53) Biphenyl 1.519 1.557 1.597 1.336 1.353 1.469 1.508 1.568 1.489 6.53
54) 2-Nitroanili 0.284 0.300 0.394 0.377 0.392 0.385 0.273 0.328 0.342 15.03
55) Dimethylphth 1.282 1.386 1.444 1.268 1.338 1.379 1.287 1.357 1.343 4.53
56) Acenaphthyle 1.297 1.433 1.606 1.423 1.450 1.494 1.291 1.507 1.438 7.35
57) 2,6-Dinitrot 0.181 0.208 0.296 0.287 0.301 0.286 0.186 0.239 0.248 20.45
---- Quadratic regression ---- Coefficient = 0.9985
Response Ratio = -0.00369 + 0.27374 *A + 0.01052 *A^2

58) 3-Nitroanili 0.261 0.346 0.351 0.366 0.341 0.271 0.323 13.90
59) Acenaphthene 1.254 1.294 1.297 1.128 1.163 1.219 1.222 1.263 1.230 4.90
60) 2,4-Dinitrop 0.093 0.131 0.202 0.204 0.215 0.206 0.156 0.172 27.16
---- Quadratic regression ---- Coefficient = 0.9988
Response Ratio = -0.01299 + 0.19817 *A + 0.00358 *A^2

61) 4-Nitropheno 0.154 0.216 0.210 0.217 0.211 0.178 0.198 13.01
62) Dibenzofuran 1.702 1.749 1.792 1.530 1.539 1.639 1.639 1.711 1.663 5.66
63) 2,4-Dinitrot 0.247 0.299 0.418 0.405 0.423 0.415 0.240 0.340 0.348 22.35
---- Quadratic regression ---- Coefficient = 0.9985
Response Ratio = -0.00615 + 0.39761 *A + 0.01003 *A^2

64) 2,3,4,6-Tetr 0.267 0.294 0.330 0.295 0.308 0.315 0.244 0.308 0.295 9.39
65) Diethylphtha 1.244 1.386 1.476 1.324 1.345 1.404 1.222 1.373 1.347 6.20
66) Fluorene 1.300 1.410 1.437 1.225 1.249 1.353 1.381 1.395 1.344 5.80
67) 4-Chlorophen 0.592 0.629 0.654 0.557 0.566 0.599 0.609 0.622 0.603 5.35
68) 4-Nitroanili 0.255 0.362 0.340 0.360 0.359 0.293 0.328 13.44

69) I Phenanthrene-d10 ----------ISTD----------
70) 4,6-Dinitro- 0.073 0.123 0.129 0.137 0.125 0.086 0.112 23.06
---- Quadratic regression ---- Coefficient = 0.9989
Response Ratio = -0.00713 + 0.12405 *A + 0.00559 *A^2

71) n-Nitrosodip 0.594 0.626 0.671 0.570 0.584 0.619 0.600 0.647 0.614 5.48
72) 1,2-Diphenyl 0.687 0.801 0.954 0.808 0.814 0.874 0.662 0.868 0.809 11.92
73) pentachloron 0.024 0.026 0.036 0.035 0.037 0.035 0.027 0.029 0.031# 16.47
74) 2,4,6-Tribro 0.079 0.090 0.106 0.100 0.100 0.098 0.077 0.096 0.093 11.26
75) 4-Bromopheny 0.172 0.186 0.195 0.175 0.180 0.184 0.179 0.191 0.183 4.38
76) Hexachlorobe 0.203 0.222 0.225 0.201 0.204 0.203 0.205 0.216 0.210 4.57
77) Pentachlorop 0.113 0.137 0.157 0.137 0.138 0.145 0.110 0.141 0.135 11.80
78) Phenanthrene 1.080 1.145 1.154 0.978 0.996 1.060 1.074 1.119 1.076 5.98
79) Anthracene 0.964 1.074 1.144 0.981 0.996 1.063 0.951 1.074 1.031 6.57
80) Carbazole 0.960 1.062 1.119 0.967 0.979 1.042 0.959 1.050 1.017 5.83
81) Di-n-butylph 0.995 1.096 1.316 1.160 1.179 1.254 0.954 1.179 1.142 10.73
82) Fluoranthene 1.100 1.192 1.203 1.053 1.063 1.158 1.139 1.176 1.136 5.06
83) Octadecane 0.512 0.561 0.593 0.483 0.484 0.535 0.536 0.571 0.534 7.46

84) I Chrysene-d12 ----------ISTD----------
85) benzidine 0.560 0.696 0.851 0.658 0.691 0.689 0.691 13.52
86) Pyrene 1.322 1.494 1.608 1.378 1.503 1.469 1.397 1.445 1.452 6.09
87) Terphenyl-d1 0.993 1.083 1.143 0.983 1.063 1.027 1.007 1.022 1.040 5.15
88) Butylbenzylp 0.519 0.589 0.735 0.704 0.764 0.710 0.573 0.592 0.648 13.90
89) Benzo[a]anth 1.290 1.385 1.499 1.251 1.386 1.361 1.368 1.358 1.362 5.37
90) 3,3'-Dichlor 0.431 0.483 0.529 0.478 0.526 0.502 0.442 0.474 0.483 7.36

Initial Calibration Summary

Job Number: JE1542 **Sample:** ECT443-ICC443
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** CT9459.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

```
 91) Chrysene     1.308 1.379 1.391 1.166 1.295 1.288 1.310 1.327 1.308   5.26
 92) bis(2-Ethylh 0.762 0.875 1.052 1.003 1.072 1.027 0.817 0.889 0.937  12.44

 93) I   Perylene-d12          ----------------ISTD--------------------
 94) Di-n-octylph 1.205 1.369 1.643 1.446 1.507 1.555 1.241 1.389 1.419  10.59
 95) Benzo[b]fluo 1.226 1.234 1.301 1.135 1.330 1.289 1.246 1.184 1.243   5.13
 96) Benzo[k]fluo 1.111 1.194 1.195 0.953 0.875 1.027 1.079 1.219 1.082  11.47
 97) Benzo[a]pyre 0.987 1.061 1.100 0.949 1.019 1.032 0.999 1.053 1.025   4.62
 98) Indeno[1,2,3 1.308 1.371 1.458 1.214 1.313 1.361 1.352 1.393 1.346   5.29
 99) Dibenz(a,h)a       0.904 0.989 0.861 0.934 0.950       0.939 0.929   4.66
100) Dibenz[a,h]a 1.058 1.129 1.170 0.974 1.032 1.068 1.095 1.141 1.083   5.90
101) 7,12-Dimethy 0.455 0.485 0.445 0.455 0.499 0.487       0.382 0.458   8.55
102) Benzo[g,h,i] 1.031 1.084 1.134 0.976 1.053 1.110 1.108 1.103 1.075   4.83

103)     1,4-Dichlorobenzene-d ----------------ISTD--------------------
104) Benzaldehyde 1.226 1.220 1.162 1.282 1.461 1.206 1.528 1.277 1.295  10.04

105)     Phenanthrene-d10a     ----------------ISTD--------------------
106) Atrazine     0.074 0.079 0.090 0.090 0.092 0.101 0.084 0.085 0.087   9.85

107) I   Naphthalene-d8a       ----------------ISTD--------------------
108) Caprolactam  0.119 0.130 0.152 0.174 0.198 0.173 0.167 0.138 0.157  16.86

109)     Phenanthrene-d10b     ----------------ISTD--------------------
110) 1-chloroocta 0.349 0.375 0.401 0.380 0.383 0.439       0.392 0.388   7.12
111) o-terphenyl  0.506 0.532 0.531 0.483 0.483 0.561 0.565 0.540 0.525   6.05


 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           mct443.m          Tue Oct 22 15:49:08 2024
```

Initial Calibration Verification

Job Number: JE1542 **Sample:** ECT443-ICV443
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** CT9475.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : D:\MassHunter\GCMS\1\data\ECT443\ct9475.D Vial: 18
Acq On : 21 Oct 2024 08:57 pm Operator: rocquans
Sample : icv443-50 Inst : GCMS_CT
Misc : op58677,ect443,250,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : D:\MassHunter\GC...methods\mct443.m (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuWed Aug 10 17:05:37 2022
Last Update : Tue Oct 22 15:45:05 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00	4.35
2	t	1,4-Dioxane	0.525	0.563	-7.2	100	0.00	2.66
6	t	Indene	2.321	2.511	-8.2	111	0.00	4.49
7	t	Cumene	2.819	2.957	-4.9	108	0.00	3.89
11	t	bis(2-Chloroethyl)ether	3.349	1.440	57.0#	41#	-0.01	4.20
13	t	Decane	1.632	1.540	5.6	98	0.00	4.20
14	t	1,3-Dichlorobenzene	1.512	1.597	-5.6	109	0.00	4.31
15	t	1,4-Dichlorobenzene	1.523	1.620	-6.4	109	0.00	4.35
16	t	Benzyl alcohol	0.858	0.959	-11.8	103	0.00	4.46
17	t	1,2-Dichlorobenzene	1.496	1.563	-4.5	108	0.00	4.45
18	t	Acetophenone	2.105	2.190	-4.0	103	0.00	4.59
20	t	2,2'-oxybis(1-Chloropropa	0.434	0.465	-7.1	111	0.00	4.48
23	t	Hexachloroethane	0.466	0.515	-10.5	110	0.00	4.63
24	I	Naphthalene-d8	1.000	1.000	0.0	102	0.00	5.06
26	t	Nitrobenzene	0.395	0.418	-5.8	104	0.00	4.69
27	t	Quinoline	0.696	0.688	1.1	97	-0.03	5.31
28	t	Isophorone	0.676	0.741	-9.6	105	-0.01	4.81
32	t	bis(2-Chloroethoxy)methan	0.433	0.462	-6.7	103	0.00	4.91
35		1,3,5-Trichlorobenzene	0.318	0.336	-5.7	109	0.00	4.83
36	t	1,2,4-Trichlorobenzene	0.307	0.320	-4.2	110	0.00	5.02
37		1,2,3-Trichlorobenzene	0.304	0.321	-5.6	111	0.00	5.15
38	t	Naphthalene	1.039	1.089	-4.8	110	0.00	5.07
40	t	2,3-Dichloroaniline	0.340	0.359	-5.6	106	0.00	5.68
42	t	Hexachlorobutadiene	0.157	0.172	-9.6	116	0.00	5.12
44	t	2-Methylnaphthalene	0.638	0.681	-6.7	111	0.00	5.46
45	t	1-Methylnaphthalene	0.618	0.637	-3.1	107	0.00	5.52
46	I	Acenaphthene-d10	1.000	1.000	0.0	99	0.00	6.14
47	t	Hexachlorocyclopentadiene	0.184	0.305	-65.8#	189	0.00	5.55
48		1,2,4,5-tetrachlorobenzen	0.496	0.525	-5.8	109	0.00	5.56

Initial Calibration Verification

Job Number: JE1542 **Sample:** ECT443-ICV443
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** CT9475.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

52 t	2-Chloronaphthalene	1.131	1.207	-6.7	108	0.00	5.77
53 t	Biphenyl	1.489	1.556	-4.5	105	0.00	5.75
55 t	Dimethylphthalate	1.343	1.417	-5.5	102	-0.01	5.98
56 t	Acenaphthylene	1.438	1.796	-24.9	120	0.00	6.05
	----------	True	Calc.	% Drift	----------		
57 t	2,6-Dinitrotoluene	50.000	51.053	-2.1	101	0.00	6.03
	----------	AvgRF	CCRF	% Dev	----------		
59 t	Acenaphthene	1.230	1.308	-6.3	107	0.00	6.17
62 t	Dibenzofuran	1.663	1.777	-6.9	108	0.00	6.29
	----------	True	Calc.	% Drift	----------		
63 t	2,4-Dinitrotoluene	50.000	50.253	-0.5	98	-0.01	6.30
	----------	AvgRF	CCRF	% Dev	----------		
65 t	Diethylphthalate	1.347	1.475	-9.5	104	-0.01	6.44
66 t	Fluorene	1.344	1.426	-6.1	105	0.00	6.53
67 t	4-Chlorophenyl-phenylethe	0.603	0.653	-8.3	108	0.00	6.52
69 I	Phenanthrene-d10	1.000	1.000	0.0	100	-0.01	7.28
	----------	AvgRF	CCRF	% Dev	----------		
72 t	1,2-Diphenylhydrazine	0.809	0.830	-2.6	95	0.00	6.64
73	pentachloronitrobenzene	0.031	0.037#	-19.4	106	0.00	7.13
75 t	4-Bromophenyl-phenylether	0.183	0.196	-7.1	106	0.00	6.90
76 t	Hexachlorobenzene	0.210	0.219	-4.3	108	0.00	6.95
78 t	Phenanthrene	1.076	1.120	-4.1	105	0.00	7.30
79 t	Anthracene	1.031	1.142	-10.8	107	-0.01	7.34
80 t	Carbazole	1.017	1.099	-8.1	105	0.00	7.52
81 t	Di-n-butylphthalate	1.142	1.303	-14.1	104	0.00	7.74
82 t	Fluoranthene	1.136	1.215	-7.0	105	-0.01	8.35
83 t	Octadecane	0.534	0.572	-7.1	107	-0.01	7.05
84 I	Chrysene-d12	1.000	1.000	0.0	98	-0.01	9.70
86 t	Pyrene	1.452	1.557	-7.2	104	0.00	8.57
88 t	Butylbenzylphthalate	0.648	0.727	-12.2	101	-0.01	9.13
89 t	Benzo[a]anthracene	1.362	1.423	-4.5	103	-0.01	9.68
91 t	Chrysene	1.308	1.375	-5.1	105	-0.01	9.73
92 t	bis(2-Ethylhexyl)phthalat	0.937	1.066	-13.8	102	-0.01	9.62
93 I	Perylene-d12	1.000	1.000	0.0	97	-0.02	11.02
94 t	Di-n-octylphthalate	1.419	1.629	-14.8	102	-0.01	10.20
95 t	Benzo[b]fluoranthene	1.243	1.261	-1.4	95	-0.02	10.66
96 t	Benzo[k]fluoranthene	1.082	1.204	-11.3	114	-0.01	10.69
97 t	Benzo[a]pyrene	1.025	1.108	-8.1	104	-0.01	10.96

Initial Calibration Verification

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: ECT443-ICV443
Lab FileID: CT9475.D

98	t	Indeno[1,2,3-cd]pyrene	1.346	1.399	-3.9	100	-0.02	12.08
99	t	Dibenz(a,h)acridine	0.929	0.998	-7.4	102	-0.02	11.81
100	t	Dibenz[a,h]anthracene	1.083	1.126	-4.0	102	-0.02	12.08
101	t	7,12-Dimethylbenz(a)anthr	0.458	0.409	10.7	82	-0.01	10.65
102	t	Benzo[g,h,i]perylene	1.075	1.119	-4.1	98	-0.02	12.41

(#) = Out of Range SPCC's out = 0 CCC's out = 0
ct9472A.D mct443.m Tue Oct 22 16:30:16 2024

Initial Calibration Verification

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: ECT443-ICV443
Lab FileID: CT9476.D

Evaluate Continuing Calibration Report

Data File : D:\MassHunter\GCMS\1\data\ECT443\ct9476.D Vial: 19
Acq On : 21 Oct 2024 09:15 pm Operator: rocquans
Sample : icv443-50 Inst : GCMS_CT
Misc : op58677,ect443,250,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : D:\MassHunter\GC...methods\mct443.m (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuWed Aug 10 17:05:37 2022
Last Update : Tue Oct 22 15:45:05 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	143	0.00	4.35
9	t	Phenol	1.966	1.846	6.1	131	0.00	4.22
12	t	2-Chlorophenol	1.390	1.440	-3.6	148	0.00	4.26
19	t	2-Methylphenol	1.347	1.319	2.1	141	0.00	4.53
21	t	3&4-Methylphenol	1.364	1.366	-0.1	141	0.00	4.62
24	I	Naphthalene-d8	1.000	1.000	0.0	139	0.00	5.06
29	t	2-Nitrophenol	0.172	0.189	-9.9	140	0.00	4.86
30	t	2,4-Dimethylphenol	0.372	0.390	-4.8	141	0.00	4.89
33	t	2,4-Dichlorophenol	0.291	0.304	-4.5	143	0.00	5.00
34	t	2,6-Dichlorophenol	0.282	0.299	-6.0	145	0.00	5.12
41	t	Hydroquinone	0.257	0.412	-60.3#	201#	0.03	5.43
43	t	4-Chloro-3-methylphenol	0.325	0.344	-5.8	142	-0.01	5.43
46	I	Acenaphthene-d10	1.000	1.000	0.0	136	0.00	6.14
49	t	2,4,6-Trichlorophenol	0.350	0.375	-7.1	142	0.00	5.66
50	t	2,4,5-Trichlorophenol	0.369	0.398	-7.9	142	-0.01	5.69
		---------- True	Calc.	% Drift	----------			
60	t	2,4-Dinitrophenol	100.000	94.278	5.7	125	-0.01	6.22
		---------- AvgRF	CCRF	% Dev	----------			
61	t	4-Nitrophenol	0.198	0.205	-3.5	132	-0.01	6.35
		---------- AvgRF	CCRF	% Dev	----------			
64		2,3,4,6-Tetrachlorophenol	0.295	0.317	-7.5	137	-0.01	6.40
69	I	Phenanthrene-d10	1.000	1.000	0.0	133	-0.01	7.28
		---------- True	Calc.	% Drift	----------			

Initial Calibration Verification

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: ECT443-ICV443
Lab FileID: CT9476.D

70	t	4,6-Dinitro-2-methylpheno	50.000	50.687	-1.4	135	-0.02	6.59
77	t	Pentachlorophenol	0.135	0.145	-7.4	133	-0.01	7.15

(#) = Out of Range SPCC's out = 0 CCC's out = 0
ct9472A.D mct443.m Mon Oct 28 16:50:34 2024

Initial Calibration Verification

Job Number: JE1542 **Sample:** ECT444-ICV443
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** CT9481.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : D:\MassHunter\GCMS\1\data\ECT444\ct9481.D Vial: 2
Acq On : 23 Oct 2024 11:09 am Operator: jackleey
Sample : icv443-50 Inst : GCMS_CT
Misc : op58677,ect444,250,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : D:\MassHunter\GC...methods\mct443.m (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuWed Aug 10 17:05:37 2022
Last Update : Tue Oct 22 15:45:05 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	70	-0.01	4.34
3	t	Pyridine	1.371	1.379	-0.6	67	-0.06	2.97
4	t	N-Nitrosodimethylamine	0.816	0.808	1.0	66	-0.02	2.87
22	t	n-Nitroso-di-n-propylamin	1.076	1.075	0.1	66	-0.02	4.56
24	I	Naphthalene-d8	1.000	1.000	0.0	69	0.00	5.06
39	t	4-Chloroaniline	0.442	0.444	-0.5	68	-0.01	5.14
46	I	Acenaphthene-d10	1.000	1.000	0.0	67	-0.01	6.14
54	t	2-Nitroaniline	0.342	0.363	-6.1	63	-0.02	5.89
		----------	AvgRF	CCRF	% Dev		----------	
58	t	3-Nitroaniline	0.323	0.316	2.2	62	-0.02	6.18
68	t	4-Nitroaniline	0.328	0.318	3.0	60	-0.02	6.65
69	I	Phenanthrene-d10	1.000	1.000	0.0	69	-0.02	7.28
		----------	AvgRF	CCRF	% Dev		----------	
71	t	n-Nitrosodiphenylamine	0.614	0.589	4.1	66	-0.02	6.62
84	I	Chrysene-d12	1.000	1.000	0.0	74	-0.02	9.70
85		benzidine	0.691	0.953	-37.9#	102	-0.02	8.53
90	t	3,3'-Dichlorobenzidine	0.483	0.507	-5.0	75	-0.02	9.70

(#) = Out of Range SPCC's out = 0 CCC's out = 0
ct9472A.D mct443.m Wed Oct 23 11:29:24 2024

Continuing Calibration Summary

Job Number: JE1542 **Sample:** ECT471-CC443
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** CT10189.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : X:\Dayton SVOA GCMS\...2-09\ECT471\ct10189.D Vial: 2
Acq On : 09 Dec 2024 09:02 am Operator: kaleigh
Sample : cc443-50 Inst : GCMS_CT
Misc : op58696,ect471,30.0,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : X:\Dayton SVOA G...\Method\mct443.m (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuWed Aug 10 17:05:37 2022
Last Update : Mon Dec 09 16:31:56 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	80	0.00	4.20
2	t	1,4-Dioxane	0.525	0.485	7.6	68	0.00	2.35
3	t	Pyridine	1.371	1.222	10.9	68	0.00	2.72
4	t	N-Nitrosodimethylamine	0.816	0.741	9.2	70	0.00	2.63
5	S	2-Fluorophenol	1.274	1.223	4.0	75	0.00	3.49
6	t	Indene	2.321	2.441	-5.2	85	0.00	4.35
7	t	Cumene	2.819	2.790	1.0	80	0.00	3.71
8	S	Phenol-d5	1.654	1.658	-0.2	77	0.00	4.08
9	t	Phenol	1.966	1.702	13.4	67	0.00	4.09
11	t	bis(2-Chloroethyl)ether	3.349	3.461	-3.3	78	0.00	4.06
12	t	2-Chlorophenol	1.390	1.436	-3.3	82	0.00	4.11
13	t	Decane	1.632	1.430	12.4	71	0.00	4.04
14	t	1,3-Dichlorobenzene	1.512	1.583	-4.7	85	0.00	4.16
15	t	1,4-Dichlorobenzene	1.523	1.613	-5.9	85	0.00	4.21
16	t	Benzyl alcohol	0.858	0.815	5.0	68	0.00	4.33
17	t	1,2-Dichlorobenzene	1.496	1.536	-2.7	83	0.00	4.31
18	t	Acetophenone	2.105	2.060	2.1	76	0.00	4.46
19	t	2-Methylphenol	1.347	1.324	1.7	79	0.00	4.41
20	t	2,2'-oxybis(1-Chloropropa	0.434	0.425	2.1	79	0.00	4.34
21	t	3&4-Methylphenol	1.364	1.380	-1.2	79	0.00	4.50
22	t	n-Nitroso-di-n-propylamin	1.076	1.036	3.7	73	0.00	4.44
23	t	Hexachloroethane	0.466	0.538	-15.5	90	0.00	4.49
24	I	Naphthalene-d8	1.000	1.000	0.0	78	0.00	4.93
25	S	Nitrobenzene-d5	0.382	0.372	2.6	75	0.00	4.55
26	t	Nitrobenzene	0.395	0.404	-2.3	77	0.00	4.56
27	t	Quinoline	0.696	0.714	-2.6	77	0.00	5.18
28	t	Isophorone	0.676	0.685	-1.3	74	0.00	4.67
29	t	2-Nitrophenol	0.172	0.195	-13.4	81	0.00	4.73
30	t	2,4-Dimethylphenol	0.372	0.371	0.3	76	0.00	4.77
32	t	bis(2-Chloroethoxy)methan	0.433	0.435	-0.5	74	0.00	4.79
33	t	2,4-Dichlorophenol	0.291	0.303	-4.1	80	0.00	4.88
34	t	2,6-Dichlorophenol	0.282	0.299	-6.0	82	0.00	5.00
35		1,3,5-Trichlorobenzene	0.318	0.332	-4.4	82	0.00	4.70
36	t	1,2,4-Trichlorobenzene	0.307	0.317	-3.3	83	0.00	4.89
37		1,2,3-Trichlorobenzene	0.304	0.317	-4.3	84	0.00	5.02
38	t	Naphthalene	1.039	1.070	-3.0	83	0.00	4.94
39	t	4-Chloroaniline	0.442	0.443	-0.2	77	0.00	5.02
40	t	2,3-Dichloroaniline	0.340	0.354	-4.1	80	0.00	5.54
41	t	Hydroquinone	0.257	0.277	-7.8	76	0.00	5.28

Continuing Calibration Summary

Job Number: JE1542 **Sample:** ECT471-CC443
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** CT10189.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

42	t	Hexachlorobutadiene	0.157	0.174	-10.8	90	0.00	4.99
43	t	4-Chloro-3-methylphenol	0.325	0.321	1.2	75	0.00	5.31
44	t	2-Methylnaphthalene	0.638	0.692	-8.5	86	0.00	5.32
45	t	1-Methylnaphthalene	0.618	0.676	-9.4	87	0.00	5.39
46	I	Acenaphthene-d10	1.000	1.000	0.0	71	0.00	5.97
47	t	Hexachlorocyclopentadiene	0.184	0.273	-48.4#	121	0.00	5.41
48		1,2,4,5-tetrachlorobenzen	0.496	0.550	-10.9	82	0.00	5.42
49	t	2,4,6-Trichlorophenol	0.350	0.388	-10.9	77	0.00	5.51
50	t	2,4,5-Trichlorophenol	0.369	0.420	-13.8	79	0.00	5.56
51	S	2-Fluorobiphenyl	1.277	1.385	-8.5	80	0.00	5.54
52	t	2-Chloronaphthalene	1.131	1.201	-6.2	77	0.00	5.62
53	t	Biphenyl	1.489	1.604	-7.7	78	0.00	5.60
54	t	2-Nitroaniline	0.342	0.378	-10.5	70	0.00	5.75
55	t	Dimethylphthalate	1.343	1.457	-8.5	75	0.00	5.82
56	t	Acenaphthylene	1.438	1.776	-23.5#	85	0.00	5.89
		----------	True	Calc.	% Drift	----------		
57	t	2,6-Dinitrotoluene	50.000	55.416	-10.8	79	0.00	5.87
		----------	AvgRF	CCRF	% Dev	----------		
58	t	3-Nitroaniline	0.323	0.364	-12.7	76	0.00	6.04
59	t	Acenaphthene	1.230	1.334	-8.5	78	0.00	6.00
		----------	True	Calc.	% Drift	----------		
60	t	2,4-Dinitrophenol	100.000	104.076	-4.1	73	0.00	6.07
		----------	AvgRF	CCRF	% Dev	----------		
61	t	4-Nitrophenol	0.198	0.236	-19.2	80	0.00	6.20
62	t	Dibenzofuran	1.663	1.725	-3.7	75	0.00	6.12
		----------	True	Calc.	% Drift	----------		
63	t	2,4-Dinitrotoluene	50.000	55.948	-11.9	79	0.00	6.15
		----------	AvgRF	CCRF	% Dev	----------		
64		2,3,4,6-Tetrachlorophenol	0.295	0.334	-13.2	76	0.00	6.23
65	t	Diethylphthalate	1.347	1.496	-11.1	76	0.00	6.27
66	t	Fluorene	1.344	1.421	-5.7	75	0.00	6.35
67	t	4-Chlorophenyl-phenylethe	0.603	0.638	-5.8	76	0.00	6.33
68	t	4-Nitroaniline	0.328	0.363	-10.7	72	0.00	6.50
69	I	Phenanthrene-d10	1.000	1.000	0.0	66	0.00	7.09
		----------	True	Calc.	% Drift	----------		
70	t	4,6-Dinitro-2-methylpheno	50.000	57.057	-14.1	77	0.00	6.43
		----------	AvgRF	CCRF	% Dev	----------		
71	t	n-Nitrosodiphenylamine	0.614	0.695	-13.2	74	0.00	6.44
72	t	1,2-Diphenylhydrazine	0.809	0.960	-18.7	73	0.00	6.46
73		pentachloronitrobenzene	0.031	0.041#	-32.3#	78	0.00	6.94
74	S	2,4,6-Tribromophenol	0.093	0.111	-19.4	75	0.00	6.55
75	t	4-Bromophenyl-phenylether	0.183	0.209	-14.2	75	0.00	6.70
76	t	Hexachlorobenzene	0.210	0.236	-12.4	77	0.00	6.76
77	t	Pentachlorophenol	0.135	0.164	-21.5#	75	0.00	6.96
78	t	Phenanthrene	1.076	1.173	-9.0	73	0.00	7.10
79	t	Anthracene	1.031	1.195	-15.9	74	0.00	7.15
80	t	Carbazole	1.017	1.131	-11.2	72	0.00	7.33
81	t	Di-n-butylphthalate	1.142	1.430	-25.2#	76	0.00	7.52
82	t	Fluoranthene	1.136	1.253	-10.3	72	0.00	8.14
83	t	Octadecane	0.534	0.521	2.4	65	0.00	6.84

Continuing Calibration Summary

Job Number: JE1542 **Sample:** ECT471-CC443
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** CT10189.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

84	I	Chrysene-d12	1.000	1.000	0.0	73	0.00	9.48
85		benzidine	0.691	0.582	15.8	62	0.00	8.33
86	t	Pyrene	1.452	1.434	1.2	72	0.00	8.35
87	S	Terphenyl-d14	1.040	1.029	1.1	74	0.00	8.46
88	t	Butylbenzylphthalate	0.648	0.723	-11.6	75	0.00	8.89
89	t	Benzo[a]anthracene	1.362	1.316	3.4	71	0.00	9.46
90	t	3,3'-Dichlorobenzidine	0.483	0.522	-8.1	76	0.00	9.48
91	t	Chrysene	1.308	1.254	4.1	72	0.00	9.50
92	t	bis(2-Ethylhexyl)phthalat	0.937	1.067	-13.9	76	0.00	9.37
93	I	Perylene-d12	1.000	1.000	0.0	71	0.00	10.78
94	t	Di-n-octylphthalate	1.419	1.651	-16.3	75	0.00	9.94
95	t	Benzo[b]fluoranthene	1.243	1.367	-10.0	75	0.00	10.44
96	t	Benzo[k]fluoranthene	1.082	1.050	3.0	72	0.00	10.46
97	t	Benzo[a]pyrene	1.025	1.073	-4.7	73	0.00	10.72
98	t	Indeno[1,2,3-cd]pyrene	1.346	1.435	-6.6	74	0.00	11.76
99	t	Dibenz(a,h)acridine	0.929	1.001	-7.8	74	0.00	11.50
100	t	Dibenz[a,h]anthracene	1.083	1.168	-7.8	77	0.00	11.74
101	t	7,12-Dimethylbenz(a)anthr	0.458	0.511	-11.6	74	0.00	10.41
102	t	Benzo[g,h,i]perylene	1.075	1.093	-1.7	70	0.00	12.05

(#) = Out of Range SPCC's out = 0 CCC's out = 0
ct10189.D mct443.m Mon Dec 09 16:46:13 2024

Continuing Calibration Summary

Job Number: JE1542 **Sample:** ECT471-CC443
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** CT10190.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : X:\Dayton SVOA GCMS\...2-09\ECT471\ct10190.D Vial: 3
Acq On : 09 Dec 2024 09:21 am Operator: kaleigh
Sample : cc443-50 Inst : GCMS_CT
Misc : op58696,ect471,30.0,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : X:\Dayton SVOA G...\Method\mct443.m (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuWed Aug 10 17:05:37 2022
Last Update : Mon Dec 09 16:31:56 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
103	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	91	0.00	4.20
104	Benzaldehyde	1.295	1.157	10.7	87	0.00	3.98
105	Phenanthrene-d10a	1.000	1.000	0.0	74	0.00	7.08
106	Atrazine	0.087	0.101	-16.1	74	-0.01	6.85
107 I	Naphthalene-d8a	1.000	1.000	0.0	90	0.00	4.93
108 T	Caprolactam	0.157	0.143	8.9	75	-0.01	5.26
109	Phenanthrene-d10b	1.000	1.000	0.0	74	0.00	7.08
110 s	1-chlorooctadecane	0.388	0.359	7.5	60	-0.03	7.87
111 s	o-terphenyl	0.525	0.557	-6.1	73	-0.01	7.37

(#) = Out of Range SPCC's out = 0 CCC's out = 0
ct10189.D mct443.m Mon Dec 09 16:39:36 2024

Initial Calibration Summary

Job Number: JE1542 **Sample:** EF9895-ICC9895
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** F222678.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Response Factor Report GCMSF

Method : C:\MSDCHEM\1\METHODS\MF9895.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Oct 30 14:42:20 2024
Response via : Initial Calibration

Calibration Files
2 =F222674.D 5 =F222675.D 25 =F222677.D 80 =F222679.D
100 =F222680.D 50 =F222678.D 10 =F222676.D 1 =F222673.D

Compound	2	5	25	80	100	50	10	1	Avg	%RSD
102) I 1,4-Dichlorobenzene-d	ISTD									
103) 2-Picoline	1.267	1.295	1.370	1.305	1.303	1.300	1.276	1.102	1.277	6.04
104) Pentachloroe	0.574	0.519	0.579	0.547	0.546	0.538	0.528	0.533	0.545	3.88
105) Methyl metha	0.621	0.678	0.654	0.612	0.615	0.614	0.631	0.556	0.623	5.72
106) N-Nitrosodie	0.529	0.528	0.534	0.515	0.518	0.507	0.483	0.482	0.512	3.96
107) N-Nitrosomet	0.775	0.833	0.684	0.604	0.589	0.587	0.689		0.680	14.10
108) Ethyl methan	0.858	0.858	0.869	0.818	0.831	0.828	0.799	0.725	0.823	5.61
109) N-Nitrosopyr	0.550	0.621	0.601	0.592	0.582	0.575	0.560	0.468	0.569	8.17
110) N-Nitrosomor	0.844	0.808	0.728	0.653	0.637	0.658	0.706	0.657	0.711	10.88
111) o-Toluidine	1.660	1.986	1.746	1.580	1.540	1.594	1.785	1.665	1.695	8.50
112) I Naphthalene-d8A	ISTD									
113) O,O,O-Trieth	0.161	0.168	0.173	0.170	0.170	0.168	0.156	0.169	0.167	3.33
114) N-Nitrosopip	0.242	0.236	0.222	0.198	0.196	0.206	0.218	0.210	0.216	7.81
115) A,A-Dimethyl		0.538	0.689	0.645	0.651	0.641	0.587		0.625	8.61
116) Hexachloropr	0.202	0.197	0.215	0.228	0.232	0.218	0.205	0.165	0.208	10.17
117) N-Nitrosodi-	0.249	0.204	0.207	0.193	0.196	0.192	0.186	0.233	0.208	10.77
118) p-Phenylened		0.140	0.107	0.099	0.105	0.084	0.121		0.109	17.77
119) Safrole	0.230	0.228	0.256	0.238	0.247	0.237	0.225	0.243	0.238	4.34
120) Isosafrole	0.177	0.175	0.174	0.167	0.170	0.165	0.153	0.147	0.166	6.54
121) Acenaphthene-d10A	ISTD									
122) Thionazin	0.163	0.167	0.173	0.165	0.165	0.163	0.157	0.143	0.162	5.45
123) Tetraethyl d	0.149	0.164	0.165	0.168	0.168	0.164	0.153	0.130	0.158	8.16
124) Phorate		0.115	0.146	0.193	0.196	0.167	0.113		0.155	23.75
----- Quadratic regression ----- Coefficient = 0.9989										
Response Ratio = -0.00526 + 0.14102 *A + 0.02434 *A^2										
125) Phenacetin	0.573	0.570	0.620	0.596	0.586	0.594	0.572	0.473	0.573	7.64
126) 1,4-Naphthoq	0.359	0.375	0.389	0.348	0.332	0.355	0.351	0.402	0.364	6.34
127) m-Dinitroben		0.092	0.128	0.156	0.165	0.143	0.097		0.130	23.23
----- Quadratic regression ----- Coefficient = 0.9996										
Response Ratio = -0.00543 + 0.12504 *A + 0.01680 *A^2										
128) Pentachlorob	0.536	0.566	0.550	0.551	0.543	0.536	0.518	0.511	0.539	3.33
129) 2-Naphthylam	1.067	1.064	1.108	1.020	0.975	1.024	1.056	1.021	1.042	3.87
130) 1-Naphthylam	0.945	1.014	1.079	1.007	0.985	0.991	1.011	0.921	0.994	4.79
131) 5-Nitro-o-to		0.234	0.314	0.341	0.340	0.329	0.255		0.302	15.24
132) I Phenanthrene-d10A	ISTD									
133) Disulfoton	0.304	0.376	0.314	0.284	0.281	0.284	0.317	0.285	0.306	10.40
134) Dinoseb		0.070	0.097	0.130	0.137	0.113	0.070		0.103	28.14
----- Quadratic regression ----- Coefficient = 0.9994										
Response Ratio = -0.00414 + 0.09192 *A + 0.01913 *A^2										

Initial Calibration Summary

Job Number: JE1542 **Sample:** EF9895-ICC9895
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** F222678.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

```
135) Dimethoate   0.190 0.202 0.223 0.202 0.194 0.210 0.202 0.188 0.201   5.64
136) 4-Aminobiphe 0.611 0.689 0.772 0.764 0.760 0.753 0.671 0.651 0.709   8.67
137) Methyl parat       0.095 0.135 0.146 0.141 0.140 0.105       0.127  16.81
138) Parathion          0.077 0.102 0.110 0.112 0.109 0.081       0.099  15.73
139) Diphenylamin 0.537 0.543 0.570 0.554 0.548 0.542 0.517 0.523 0.542   3.12
140) Isodrin      0.109 0.111 0.117 0.114 0.111 0.112 0.107 0.103 0.111   3.92
141) Diallate     0.175 0.188 0.186 0.174 0.167 0.169 0.180 0.204 0.180   6.75
142) Pentachloron 0.027 0.026 0.034 0.036 0.036 0.034 0.030 0.027 0.031# 13.10
143) Pronamide    0.307 0.298 0.325 0.314 0.315 0.308 0.304 0.279 0.306   4.49
144) 4-Nitroquino       0.036 0.068 0.084 0.087 0.077 0.042       0.066  33.35
          ----- Quadratic regression -----                Coefficient =  0.9991
               Response Ratio = -0.02164 + 0.07075 *A + 0.00193 *A^2

145) Methapyrilin       0.394 0.249 0.200 0.169 0.239 0.352       0.267  32.93
          ----- Quadratic regression -----                Coefficient =  0.9958
               Response Ratio = 0.01723 + 0.27033 *A + -0.04199 *A^2

146) sym-Trinitro       0.021 0.029 0.040 0.043 0.035 0.020       0.032# 30.73
          ----- Quadratic regression -----                Coefficient =  0.9994
               Response Ratio = -0.00122 + 0.02695 *A + 0.00685 *A^2


147) I   Chrysene-d12A         ----------------ISTD---------------------
148) Aramite      0.087 0.085 0.109 0.114 0.113 0.109 0.093 0.074 0.098  15.70
149) p-(Dimethyla 0.251 0.274 0.293 0.285 0.283 0.284 0.268 0.246 0.273   6.20
150) Kepone       0.082 0.097 0.093 0.076 0.071 0.079 0.094 0.070 0.083  13.02
151) Famphur      0.471 0.470 0.434 0.288 0.255 0.336 0.444       0.385  23.49
          ----- Quadratic regression -----                Coefficient =  0.9980
               Response Ratio = 0.01140 + 0.45634 *A + -0.01382 *A^2

152) 2-Acetylamin 0.388 0.424 0.480 0.493 0.496 0.479 0.428       0.455   9.19
153) Chlorobenzil 0.255 0.277 0.318 0.323 0.323 0.313 0.277 0.254 0.292  10.28

154) I   Perylene-d12A         ----------------ISTD---------------------
155) Hexachloroph       0.023 0.055 0.073 0.076 0.066 0.034       0.054  39.74
          ----- Quadratic regression -----                Coefficient =  0.9992
               Response Ratio = -0.02663 + 0.05920 *A + 0.00157 *A^2

156) 3-Methylchol 0.202 0.213 0.239 0.239 0.240 0.232 0.220 0.177 0.220  10.19

157) I   1,4-Dichlorobenzene-d ----------------ISTD---------------------
158) Benzaldehyde 1.183 1.099 1.016 1.109 1.258 1.051 1.143 1.302 1.145   8.59

159) I   Phenanthrene-d10b     ----------------ISTD---------------------
160) Atrazine     0.161 0.177 0.193 0.188 0.197 0.210 0.191 0.201 0.190   7.92

161) I   Naphthalene-d8b       ----------------ISTD---------------------
162) Caprolactam  0.100 0.146 0.134 0.138 0.156 0.139 0.146 0.145 0.138  12.11


180) Catechol                                                  0.000# -1.00
 ------------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          MF9895.M          Thu Oct 31 08:46:47 2024   RT1
```

Initial Calibration Verification

Job Number: JE1542 **Sample:** EF9895-ICV9895
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** F222689.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF9895\f222689.D Vial: 26
Acq On : 29 Oct 2024 7:33 pm Operator: jackleey
Sample : icv9895-50 Inst : GCMSF
Misc : op58797b,ef9895,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9895.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Oct 30 14:42:20 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102	I	1,4-Dichlorobenzene-d4A	1.000	1.000	0.0	111	0.00	4.79
103	M	2-Picoline	1.277	1.446	-13.2	123	0.02	3.51
104		Pentachloroethane	0.545	0.500	8.3	103	0.00	4.60
105	M	Methyl methanesulfonate	0.623	0.461	26.0	83	0.00	3.79
106	M	N-Nitrosodiethylamine	0.512	0.585	-14.3	128	0.01	4.06
107	M	N-Nitrosomethylethylamine	0.680	0.691	-1.6	130	0.01	3.58
108	M	Ethyl methanesulfonate	0.823	0.953	-15.8	127	0.00	4.26
109	M	N-Nitrosopyrrolidine	0.569	0.645	-13.4	124	0.00	5.05
110	M	N-Nitrosomorpholine	0.711	0.699	1.7	118	0.00	5.08
112	I	Naphthalene-d8A	1.000	1.000	0.0	110	0.00	5.68
113	M	O,O,O-Triethyl phosphorot	0.167	0.203	-21.6	132	0.00	5.48
114	M	N-Nitrosopiperidine	0.216	0.236	-9.3	125	0.00	5.29
115	M	A,A-Dimethylphenethylamin	0.625	0.691	-10.6	118	0.00	5.56
116	M	Hexachloropropene	0.208	0.248	-19.2	125	0.00	5.75
117	M	N-Nitrosodi-n-butylamine	0.208	0.249	-19.7	142	0.00	5.96
118		p-Phenylenediamine	0.109	0.177	-62.4#	232#	0.00	5.99
119	M	Safrole	0.238	0.280	-17.6	130	0.00	6.12
120		Isosafrole	0.166	0.282	-69.9#	187	0.00	6.53
121		Acenaphthene-d10A	1.000	1.000	0.0	111	0.00	7.07
122	M	Thionazin	0.162	0.185	-14.2	126	0.00	7.59
123	M	Tetraethyl dithiopyrophos	0.158	0.197	-24.7	134	0.00	7.93
		----------	True	Calc.	% Drift	----------		
124	M	Phorate	50.000	53.672	-7.3	122	0.00	8.03
		----------	AvgRF	CCRF	% Dev	----------		
125	M	Phenacetin	0.573	0.616	-7.5	116	0.00	8.11
126	M	1,4-Naphthoquinone	0.364	0.309	15.1	97	0.00	6.74
		----------	True	Calc.	% Drift	----------		
127	M	m-Dinitrobenzene	50.000	63.044	-26.1	145	0.00	6.85
		----------	AvgRF	CCRF	% Dev	----------		
128	M	Pentachlorobenzene	0.539	0.594	-10.2	124	0.00	7.23
131	M	5-Nitro-o-toluidine	0.302	0.359	-18.9	122	0.00	7.64
132	I	Phenanthrene-d10A	1.000	1.000	0.0	107	0.00	8.71

Initial Calibration Verification

Job Number: JE1542 **Sample:** EF9895-ICV9895
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** F222689.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

133	M	Disulfoton	0.306	0.355	-16.0	134	0.00	8.73
		----------	AvgRF	CCRF	% Dev	----------		
135	M	Dimethoate	0.201	0.206	-2.5	105	0.00	8.29
136	M	4-Aminobiphenyl	0.709	0.510	28.1	73	0.00	8.48
137	M	Methyl parathion	0.127	0.113	11.0	86	0.00	9.22
138	M	Parathion	0.099	0.128	-29.3	125	0.00	9.77
139	M	Diphenylamine	0.542	0.728	-43.3#	144	0.00	7.75
140	M	Isodrin	0.111	0.135	-21.6	129	0.00	10.15
141	M	Diallate	0.180	0.186	-3.3	118	0.00	8.07
142	M	Pentachloronitrobenzene	0.031	0.040	-29.0	126	0.00	8.48
143	M	Pronamide	0.306	0.365	-19.3	127	0.00	8.56
		----------	True	Calc.	% Drift	----------		
144	M	4-Nitroquinoline 1-oxide	200.000	258.496	-29.2	108	-0.01	9.78
145	M	Methapyriline	50.000	22.020	56.0#	55	0.00	9.93
146	M	sym-Trinitrobenzene	50.000	55.191	-10.4	121	0.00	8.03
		----------	AvgRF	CCRF	% Dev	----------		
147	I	Chrysene-d12A	1.000	1.000	0.0	94	0.00	12.55
148		Aramite	0.098	0.120	-22.4	103	0.00	11.12
149	M	p-(Dimethylamine)azobenze	0.273	0.344	-26.0	113	0.00	11.20
		----------	True	Calc.	% Drift	----------		
151	M	Famphur		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
152	M	2-Acetylaminofluorene	0.455	0.571	-25.5	111	0.00	12.10
154	I	Perylene-d12A	1.000	1.000	0.0	85	0.00	14.64
		----------	AvgRF	CCRF	% Dev	----------		
156		3-Methylcholanthrene	0.220	0.282	-28.2	103	0.00	15.04

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F222686A.D MF9895.M Wed Oct 30 15:29:15 2024 RT1

Initial Calibration Verification

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EF9895-ICV9895
Lab FileID: F222690.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF9895\f222690.D Vial: 27
Acq On : 29 Oct 2024 7:55 pm Operator: jackleey
Sample : icv9895-50 Inst : GCMSF
Misc : op58797b,ef9895,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9895.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Oct 30 14:42:20 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
		AvgRF	CCRF	% Dev			
147 I	Chrysene-d12A	1.000	1.000	0.0	98	0.00	12.55
150	Kepone	0.083	0.096	-15.6	114	0.00	11.73
153 M	Chlorobenzilate	0.292	0.343	-17.5	107	0.00	11.29

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F222686A.D MF9895.M Wed Oct 30 15:29:17 2024 RT1

Initial Calibration Verification

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EF9895-ICV9895
Lab FileID: F222691.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF9895\f222691.D Vial: 28
Acq On : 29 Oct 2024 8:18 pm Operator: jackleey
Sample : icv9895-50 Inst : GCMSF
Misc : op58797b,ef9895,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9895.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Oct 30 14:42:20 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
		AvgRF	CCRF	% Dev			
147 I	Chrysene-d12A	1.000	1.000	0.0	88	0.00	12.55
		True	Calc.	% Drift			
151 M	Famphur	300.000	359.334	-19.7	138	-0.02	11.67

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F222686A.D MF9895.M Wed Oct 30 15:29:19 2024 RT1

Initial Calibration Verification

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EF9895-ICV9895
Lab FileID: F222692.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF9895\f222692.D Vial: 29
Acq On : 29 Oct 2024 8:41 pm Operator: jackleey
Sample : icv9895-50 Inst : GCMSF
Misc : op58797b,ef9895,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9895.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Oct 30 14:42:20 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102 I	1,4-Dichlorobenzene-d4A	1.000	1.000	0.0	95	0.00	4.79
111 M	o-Toluidine	1.695	1.889	-11.4	113	0.00	5.09
121	Acenaphthene-d10A	1.000	1.000	0.0	103	0.00	7.07
129 M	2-Naphthylamine	1.042	1.270	-21.9	127	0.00	7.43
130 M	1-Naphthylamine	0.994	1.172	-17.9	121	0.00	7.35

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F222686A.D MF9895.M Wed Oct 30 15:29:21 2024 RT1

Initial Calibration Verification

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EF9895-ICV9895
Lab FileID: F222695.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF9895\f222695.D Vial: 32
Acq On : 29 Oct 2024 9:49 pm Operator: jackleey
Sample : icv9895-50 Inst : GCMSF
Misc : op58797b,ef9895,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9895.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Oct 30 12:14:01 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
157 I	1,4-Dichlorobenzene-d4b	1.000	1.000	0.0	101	0.00	4.79
158	Benzaldehyde	1.145	0.972	15.1	93	0.00	4.49
159 I	Phenanthrene-d10b	1.000	1.000	0.0	104	0.00	8.70
160	Atrazine	0.190	0.190	0.0	94	0.00	8.37
161 I	Naphthalene-d8b	1.000	1.000	0.0	101	0.00	5.68
162	Caprolactam	0.138	0.132	4.3	96	0.00	5.97

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F222678A.D MF9895.M Wed Oct 30 12:16:25 2024 RT1

Initial Calibration Summary

Job Number: JE1542 **Sample:** EF9899-ICC9899
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** F222739.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Response Factor Report GCMSF

Method : C:\MSDCHEM\1\METHODS\MF9899.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Dec 06 10:48:19 2024
Response via : Initial Calibration

Calibration Files
2 =F222734.D 5 =F222735.D 25 =F222737.D 80 =F222738.D
100 =F222740.D 50 =F222739.D 10 =F222736.D 1 =F222733.D

Compound	2	5	25	80	100	50	10	1	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	ISTD									
2) 1,4-Dioxane	0.619	0.535	0.435	0.436	0.489	0.451	0.490	0.587	0.505	13.73
3) Pyridine	1.055	1.185	1.195	1.222	1.380	1.278	1.144	0.885	1.168	12.72
4) N-Nitrosodim	0.756	0.529	0.566	0.561	0.621	0.587	0.553	0.683	0.607	12.62
5) 2-Fluorophen	1.073	0.967	1.067	1.082	1.243	1.126	1.023	1.013	1.074	7.80
6) Indene	2.007	2.057	2.054	2.092	2.376	2.171	2.002	2.075	2.104	5.79
7) Cumene	2.329	2.245	2.204	2.261	2.547	2.333	2.238	2.246	2.300	4.75
8) Phenol-d5	1.118	1.222	1.246	1.293	1.461	1.326	1.251	1.073	1.249	9.66
9) Phenol	1.350	1.304	1.370	1.423	1.579	1.457	1.327	1.347	1.395	6.44
10) Aniline	1.742	1.673	1.755	1.766	1.977	1.825	1.680	1.736	1.769	5.47
11) bis(2-Chloro	1.015	1.064	1.052	1.074	1.216	1.128	1.085	1.102	1.092	5.53
12) 2-Chlorophen	1.186	1.090	1.184	1.229	1.376	1.269	1.147	1.129	1.201	7.50
13) Decane	1.214	1.119	1.142	1.135	1.279	1.195	1.179	1.211	1.184	4.42
14) 1,3-Dichloro	1.419	1.361	1.388	1.420	1.595	1.459	1.344	1.425	1.426	5.43
15) 1,4-Dichloro	1.446	1.421	1.419	1.449	1.628	1.496	1.421	1.407	1.461	5.00
16) Benzyl alcoh	0.719	0.693	0.738	0.762	0.865	0.785	0.690	0.651	0.738	9.05
17) 1,2-Dichloro	1.380	1.336	1.342	1.372	1.566	1.410	1.361	1.421	1.399	5.27
18) Acetophenone	1.711	1.687	1.686	1.731	1.940	1.816	1.681	1.667	1.740	5.38
19) 2-Methylphen	0.933	1.007	1.012	1.057	1.183	1.091	0.984	0.949	1.027	7.96
20) 2,2'-oxybis(	0.361	0.337	0.321	0.351	0.381	0.353	0.329	0.349	0.348	5.42
21) 3&4-Methylph	1.062	0.994	1.075	1.121	1.275	1.176	1.048	0.946	1.087	9.55
22) n-Nitroso-di	0.756	0.785	0.806	0.803	0.886	0.840	0.808	0.664	0.793	8.16
23) Hexachloroet	0.582	0.502	0.552	0.573	0.657	0.592	0.533	0.512	0.563	8.89
24) I Naphthalene-d8	ISTD									
25) Nitrobenzene	0.261	0.248	0.279	0.301	0.335	0.305	0.277	0.275	0.285	9.65
26) Nitrobenzene	0.280	0.283	0.305	0.328	0.357	0.329	0.303	0.265	0.306	9.93
27) Quinoline	0.611	0.579	0.598	0.623	0.704	0.646	0.602	0.626	0.624	6.09
28) Isophorone	0.543	0.537	0.537	0.566	0.628	0.582	0.547	0.534	0.559	5.79
29) 2-Nitropheno		0.115	0.128	0.163	0.191	0.156	0.118		0.145	20.72
----- Quadratic regression ----- Coefficient = 0.9980										
Response Ratio = 0.00008 + 0.11047 *A + 0.03073 *A^2										
30) 2,4-Dimethyl	0.292	0.287	0.303	0.322	0.363	0.330	0.304	0.270	0.309	9.41
31) Benzoic acid		0.097	0.155	0.200	0.237	0.190	0.124		0.167	30.91
----- Quadratic regression ----- Coefficient = 0.9980										
Response Ratio = -0.00598 + 0.14080 *A + 0.03715 *A^2										
32) bis(2-Chloro	0.347	0.340	0.346	0.370	0.412	0.378	0.358	0.366	0.365	6.34
33) 2,4-Dichloro	0.246	0.255	0.263	0.296	0.328	0.291	0.261	0.247	0.273	10.61
34) 2,6-Dichloro	0.249	0.258	0.269	0.299	0.339	0.300	0.266	0.258	0.280	10.87
35) 1,3,5-Trichl	0.343	0.336	0.343	0.367	0.414	0.371	0.348	0.322	0.355	8.05
36) 1,2,4-Trichl	0.325	0.307	0.320	0.347	0.386	0.347	0.318	0.296	0.331	8.64
37) 1,2,3-Trichl	0.335	0.319	0.315	0.347	0.395	0.356	0.323	0.302	0.337	8.73
38) Naphthalene	0.982	0.923	0.917	0.967	1.079	0.985	0.939	0.925	0.965	5.53
39) 4-Chloroanil	0.358	0.373	0.387	0.417	0.467	0.429	0.394	0.379	0.400	8.85

Initial Calibration Summary

Job Number: JE1542 **Sample:** EF9899-ICC9899
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** F222739.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

40)	2,3-Dichloro	0.311	0.317	0.320	0.345	0.391	0.350	0.330	0.290	0.332	9.23
41)	Hydroquinone	0.230	0.246	0.262	0.282	0.309	0.290	0.261	0.226	0.263	11.04
42)	Hexachlorobu	0.205	0.199	0.202	0.219	0.250	0.225	0.205	0.191	0.212	8.75
43)	4-Chloro-3-m	0.231	0.221	0.240	0.258	0.290	0.270	0.247	0.214	0.246	10.36
44)	2-Methylnaph	0.560	0.546	0.557	0.592	0.671	0.601	0.571	0.545	0.581	7.19
45)	1-Methylnaph	0.606	0.576	0.576	0.621	0.690	0.620	0.596	0.562	0.606	6.65
46)	I Acenaphthene-d10	----------ISTD----------									
47)	Hexachlorocy	0.299	0.366	0.430	0.489	0.422	0.339		0.391		17.68
48)	1,2,4,5-tetr	0.658	0.618	0.667	0.701	0.791	0.718	0.656	0.558	0.671	10.32
49)	2,4,6-Trichl	0.324	0.366	0.394	0.429	0.480	0.434	0.362	0.325	0.389	14.27
50)	2,4,5-Trichl	0.390	0.376	0.435	0.479	0.538	0.489	0.411		0.445	13.19
51)	2-Fluorobiph	1.350	1.322	1.348	1.435	1.602	1.475	1.374	1.314	1.402	6.97
52)	2-Chloronaph	1.156	1.117	1.170	1.231	1.382	1.259	1.179	1.158	1.207	6.95
53)	Biphenyl	1.489	1.446	1.500	1.571	1.737	1.610	1.523	1.515	1.549	5.88
54)	2-Nitroanili	0.214	0.265	0.293	0.324	0.299	0.236		0.272		15.30
55)	Dimethylphth	1.242	1.267	1.294	1.341	1.504	1.379	1.313	1.248	1.323	6.54
56)	Acenaphthyle	1.534	1.537	1.652	1.744	1.927	1.771	1.696	1.492	1.669	8.79
57)	2,6-Dinitrot	0.132	0.162	0.232	0.268	0.312	0.263	0.194	0.140	0.213	31.02
	----- Quadratic regression -----								Coefficient =		0.9980
	Response Ratio = -0.00262 + 0.20199 *A + 0.04156 *A^2										
58)	3-Nitroanili	0.212	0.278	0.322	0.357	0.315	0.248		0.289		18.35
59)	Acenaphthene	1.285	1.207	1.229	1.261	1.415	1.301	1.242	1.350	1.286	5.34
60)	2,4-Dinitrop	0.049	0.061	0.105	0.159	0.189	0.141	0.080		0.112	47.09
	----- Quadratic regression -----								Coefficient =		0.9988
	Response Ratio = -0.00481 + 0.08380 *A + 0.02075 *A^2										
61)	4-Nitropheno	0.127	0.162	0.177	0.201	0.180	0.149		0.166		15.64
62)	Dibenzofuran	1.731	1.702	1.692	1.797	2.004	1.848	1.742	1.763	1.785	5.70
63)	2,4-Dinitrot	0.196	0.212	0.317	0.382	0.433	0.375	0.265	0.173	0.294	32.99
	----- Quadratic regression -----								Coefficient =		0.9983
	Response Ratio = -0.00422 + 0.28441 *A + 0.05812 *A^2										
64)	2,3,4,6-Tetr	0.261	0.332	0.371	0.412	0.372	0.312		0.343		15.46
65)	Diethylphtha	1.287	1.347	1.361	1.427	1.566	1.453	1.365	1.320	1.391	6.37
66)	Fluorene	1.314	1.251	1.368	1.450	1.639	1.469	1.324	1.228	1.381	9.76
67)	4-Chlorophen	0.733	0.706	0.707	0.748	0.841	0.771	0.720	0.768	0.749	5.97
68)	4-Nitroanili	0.241	0.302	0.326	0.358	0.343	0.277		0.308		14.24
69)	I Phenanthrene-d10	----------ISTD----------									
70)	4,6-Dinitro-	0.040	0.070	0.100	0.115	0.090	0.055		0.078		36.37
	----- Quadratic regression -----								Coefficient =		0.9992
	Response Ratio = -0.00337 + 0.06384 *A + 0.02060 *A^2										
71)	n-Nitrosodip	0.571	0.555	0.565	0.607	0.687	0.626	0.584	0.514	0.589	8.83
72)	1,2-Diphenyl	0.588	0.621	0.609	0.622	0.684	0.644	0.631	0.580	0.622	5.26
73)	2,4,6-Tribro	0.080	0.091	0.101	0.115	0.106	0.091		0.097		12.82
74)	4-Bromopheny	0.215	0.192	0.210	0.221	0.247	0.223	0.208	0.198	0.214	7.91
75)	Hexachlorobe	0.239	0.215	0.217	0.231	0.260	0.238	0.231	0.208	0.230	7.18
76)	Pentachlorop	0.096	0.104	0.137	0.161	0.182	0.160	0.127		0.138	22.87
	----- Quadratic regression -----								Coefficient =		0.9986
	Response Ratio = -0.00431 + 0.12945 *A + 0.01005 *A^2										
77)	Phenanthrene	1.061	1.001	0.997	1.061	1.188	1.079	1.044	1.074	1.063	5.59
78)	Anthracene	1.050	0.967	1.013	1.080	1.211	1.102	1.019	0.919	1.045	8.53
79)	Carbazole	0.933	0.872	0.933	1.000	1.125	1.029	0.938	0.834	0.958	9.59
80)	Di-n-butylph	0.993	0.995	1.116	1.236	1.390	1.251	1.097	0.971	1.131	13.24
81)	Fluoranthene	1.039	1.036	1.145	1.234	1.397	1.252	1.116	0.977	1.150	12.09
82)	Octadecane	0.316	0.337	0.366	0.379	0.419	0.394	0.362	0.301	0.359	11.05

Initial Calibration Summary

Job Number: JE1542 **Sample:** EF9899-ICC9899
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** F222739.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

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 83) I   Chrysene-d12          ----------------ISTD--------------------
 84) Benzidine    0.553 0.601 0.706 0.806 0.900 0.733 0.643 0.690 0.704  15.84
 85) Pyrene       1.252 1.253 1.291 1.334 1.487 1.381 1.306 1.271 1.322   6.01
 86) Terphenyl-d1 0.899 0.882 0.895 0.952 1.054 0.985 0.931 0.885 0.936   6.42
 87) Butylbenzylp 0.287 0.339 0.456 0.525 0.588 0.524 0.413       0.447  24.23
          ----- Quadratic regression -----                Coefficient =  0.9979
               Response Ratio = -0.00729 + 0.41936 *A + 0.06664 *A^2

 88) Benzo[a]anth 1.113 1.065 1.155 1.250 1.391 1.286 1.143 1.107 1.189   9.29
 89) 3,3'-Dichlor 0.318 0.360 0.441 0.502       0.515 0.402       0.423  18.41
 90) Chrysene     1.279 1.219 1.207 1.248 1.382 1.303 1.256 1.237 1.266   4.43
 91) bis(2-Ethylh 0.471 0.547 0.735 0.829 0.930 0.838 0.666       0.717  23.13
          ----- Quadratic regression -----                Coefficient =  0.9977
               Response Ratio = -0.01146 + 0.67822 *A + 0.09901 *A^2


 92) I   Perylene-d12          ----------------ISTD--------------------
 93) Di-n-octylph 0.524 0.678 1.066 1.297 1.469 1.277 0.875       1.026  33.99
          ----- Quadratic regression -----                Coefficient =  0.9984
               Response Ratio = -0.03098 + 1.00592 *A + 0.18191 *A^2

 94) Benzo[b]fluo 0.980 1.002 1.141 1.279 1.431 1.299 1.085 0.847 1.133  17.09
 95) Benzo[k]fluo 0.990 1.036 1.186 1.227 1.351 1.264 1.146 0.947 1.143  12.39
 96) Benzo[a]pyre 0.769 0.829 0.966 1.064 1.185 1.077 0.915 0.704 0.939  17.71
 97) Indeno[1,2,3 0.830 0.815 0.984 1.118 1.277 1.138 0.934 0.677 0.972  20.41
          ----- Quadratic regression -----                Coefficient =  0.9982
               Response Ratio = -0.00670 + 0.92225 *A + 0.13173 *A^2

 98) Dibenz(a,h)a       0.684 0.794 0.910 1.031 0.919 0.742       0.847  15.23
 99) Dibenz[a,h]a 0.794 0.890 1.014 1.121 1.274 1.140 0.969 0.726 0.991  18.69
100) 7,12-Dimethy       0.395 0.474 0.526 0.588 0.535 0.438       0.493  14.29
101) Benzo[g,h,i] 0.799 0.860 0.963 1.053 1.189 1.083 0.941 0.721 0.951  16.36

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 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           MF9899.M          Fri Dec 06 10:50:29 2024   RT1
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Initial Calibration Verification

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EF9899-ICV9899
Lab FileID: F222741.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF9899\f222741.D Vial: 10
Acq On : 7 Nov 2024 12:06 pm Operator: jackleey
Sample : icv9899-50 Inst : GCMSF
Misc : op58797b,ef9899,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9899.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Dec 06 11:47:12 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.07	4.77
2	t	1,4-Dioxane	0.505	0.481	4.8	110	0.18	2.70
6	t	Indene	2.104	2.264	-7.6	107	0.07	4.94
7	t	Cumene	2.300	2.444	-6.3	108	0.09	4.22
11	t	bis(2-Chloroethyl)ether	1.092	1.119	-2.5	102	0.07	4.57
13	t	Decane	1.184	1.250	-5.6	108	0.07	4.65
14	t	1,3-Dichlorobenzene	1.426	1.510	-5.9	106	0.07	4.72
15	t	1,4-Dichlorobenzene	1.461	1.558	-6.6	107	0.07	4.78
16	t	Benzyl alcohol	0.738	0.785	-6.4	103	0.06	4.86
17	t	1,2-Dichlorobenzene	1.399	1.487	-6.3	108	0.07	4.88
18	t	Acetophenone	1.740	1.829	-5.1	104	0.06	5.04
20	t	2,2'-oxybis(1-Chloropropa	0.348	0.370	-6.3	108	0.07	4.95
23	t	Hexachloroethane	0.563	0.604	-7.3	105	0.06	5.12
24	I	Naphthalene-d8	1.000	1.000	0.0	102	0.06	5.66
26	t	Nitrobenzene	0.306	0.337	-10.1	104	0.06	5.16
27	t	Quinoline	0.624	0.657	-5.3	103	0.05	5.91
28	t	Isophorone	0.559	0.605	-8.2	106	0.06	5.33
32	t	bis(2-Chloroethoxy)methan	0.365	0.381	-4.4	102	0.06	5.48
35		1,3,5-Trichlorobenzene	0.355	0.381	-7.3	104	0.06	5.39
36	t	1,2,4-Trichlorobenzene	0.331	0.364	-10.0	107	0.06	5.61
37		1,2,3-Trichlorobenzene	0.337	0.371	-10.1	106	0.06	5.77
38	t	Naphthalene	0.965	1.054	-9.2	109	0.06	5.67
40	t	2,3-Dichloroaniline	0.332	0.352	-6.0	102	0.06	6.38
42	t	Hexachlorobutadiene	0.212	0.228	-7.5	103	0.06	5.75
44	t	2-Methylnaphthalene	0.581	0.621	-6.9	105	0.06	6.17
45	t	1-Methylnaphthalene	0.606	0.631	-4.1	103	0.06	6.25
46	I	Acenaphthene-d10	1.000	1.000	0.0	102	0.08	7.04
47	t	Hexachlorocyclopentadiene	0.391	0.470	-20.2	114	0.07	6.29
48	t	1,2,4,5-tetrachlorobenzen	0.671	0.753	-12.2	107	0.06	6.29

Initial Calibration Verification

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EF9899-ICV9899
Lab FileID: F222741.D

52	t	2-Chloronaphthalene	1.207	1.295	-7.3	105	0.09	6.55
53	t	Biphenyl	1.549	1.619	-4.5	103	0.07	6.54
55	t	Dimethylphthalate	1.323	1.419	-7.3	105	0.07	6.80
56	t	Acenaphthylene	1.669	1.882	-12.8	109	0.07	6.91
		----------	True	Calc.	% Drift	----------		
57	t	2,6-Dinitrotoluene	50.000	52.607	-5.2	104	0.07	6.85
		----------	AvgRF	CCRF	% Dev	----------		
59	t	Acenaphthene	1.286	1.365	-6.1	107	0.08	7.07
		----------	True	Calc.	% Drift	----------		
62	t	Dibenzofuran	1.785	1.910	-7.0	106	0.08	7.24
		----------	True	Calc.	% Drift	----------		
63	t	2,4-Dinitrotoluene	50.000	50.349	-0.7	97	0.07	7.22
		----------	AvgRF	CCRF	% Dev	----------		
65	t	Diethylphthalate	1.391	1.501	-7.9	106	0.08	7.47
66	t	Fluorene	1.381	1.523	-10.3	106	0.08	7.59
67	t	4-Chlorophenyl-phenylethe	0.749	0.793	-5.9	105	0.08	7.59
69	I	Phenanthrene-d10	1.000	1.000	0.0	106	0.09	8.67
72	t	1,2-Diphenylhydrazine	0.622	0.642	-3.2	106	0.09	7.76
74	t	4-Bromophenyl-phenylether	0.214	0.221	-3.3	105	0.09	8.13
75	t	Hexachlorobenzene	0.230	0.237	-3.0	106	0.09	8.19
77	t	Phenanthrene	1.063	1.099	-3.4	108	0.09	8.70
78	t	Anthracene	1.045	1.103	-5.6	106	0.09	8.76
79	t	Carbazole	0.958	1.020	-6.5	105	0.08	8.97
80	t	Di-n-butylphthalate	1.131	1.258	-11.2	107	0.10	9.49
81	t	Fluoranthene	1.150	1.268	-10.3	107	0.10	10.32
82	t	Octadecane	0.359	0.389	-8.4	105	0.10	8.57
83	I	Chrysene-d12	1.000	1.000	0.0	97	0.11	12.51
85	t	Pyrene	1.322	1.486	-12.4	105	0.10	10.65
86	S	Terphenyl-d14		----------NA----------				
		----------	True	Calc.	% Drift	----------		
87	t	Butylbenzylphthalate	50.000	56.516	-13.0	107	0.11	11.74
		----------	AvgRF	CCRF	% Dev	----------		
88	t	Benzo[a]anthracene	1.189	1.343	-13.0	101	0.10	12.49
89	t	3,3'-Dichlorobenzidine		----------NA----------				
90	t	Chrysene	1.266	1.386	-9.5	103	0.11	12.55
		----------	True	Calc.	% Drift	----------		
91	t	bis(2-Ethylhexyl)phthalat	50.000	56.200	-12.4	105	0.12	12.69
		----------	AvgRF	CCRF	% Dev	----------		

Initial Calibration Verification

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EF9899-ICV9899
Lab FileID: F222741.D

92	I	Perylene-d12	1.000	1.000	0.0	104	0.11	14.60
		----------	True	Calc.	% Drift	----------		
93	t	Di-n-octylphthalate	50.000	53.474	-6.9	107	0.12	13.68
		----------	AvgRF	CCRF	% Dev	----------		
94	t	Benzo[b]fluoranthene	1.133	1.291	-13.9	103	0.11	14.09
95	t	Benzo[k]fluoranthene	1.143	1.318	-15.3	108	0.10	14.12
96	t	Benzo[a]pyrene	0.939	1.113	-18.5	107	0.11	14.53
		----------	True	Calc.	% Drift	----------		
97	t	Indeno[1,2,3-cd]pyrene	50.000	49.951	0.1	99	0.13	16.00
		----------	AvgRF	CCRF	% Dev	----------		
98	t	Dibenz(a,h)acridine	0.847	0.916	-8.1	104	0.13	15.70
99	t	Dibenz[a,h]anthracene	0.991	1.117	-12.7	102	0.14	16.04
100	t	7,12-Dimethylbenz(a)anthr	0.493	0.514	-4.3	100	0.11	14.09
101	t	Benzo[g,h,i]perylene	0.951	1.053	-10.7	101	0.15	16.38

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F223137.D MF9899.M Fri Dec 06 12:33:52 2024 RT1

6.7.40

6

Initial Calibration Verification

Job Number: JE1542 **Sample:** EF9899-ICV9899
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** F222742.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF9899\f222742.D Vial: 11
Acq On : 7 Nov 2024 12:30 pm Operator: jackleey
Sample : icv9899-50 Inst : GCMSF
Misc : op58797b,ef9899,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9899.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Dec 06 11:47:12 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	106	0.07	4.77
2	t	1,4-Dioxane		----------NA----------				
3	t	Pyridine		----------NA----------				
4	t	N-Nitrosodimethylamine		----------NA----------				
5	S	2-Fluorophenol		----------NA----------				
6	t	Indene		----------NA----------				
7	t	Cumene		----------NA----------				
8	S	Phenol-d5		----------NA----------				
9	t	Phenol	1.395	1.419	-1.7	103	0.02	4.50
10	t	Aniline		----------NA----------				
11	t	bis(2-Chloroethyl)ether		----------NA----------				
12	t	2-Chlorophenol	1.201	1.257	-4.7	105	0.05	4.62
13	t	Decane		----------NA----------				
14	t	1,3-Dichlorobenzene		----------NA----------				
15	t	1,4-Dichlorobenzene		----------NA----------				
16	t	Benzyl alcohol		----------NA----------				
17	t	1,2-Dichlorobenzene		----------NA----------				
18	t	Acetophenone		----------NA----------				
19	t	2-Methylphenol	1.027	1.082	-5.4	105	0.03	4.92
20	t	2,2'-oxybis(1-Chloropropa		----------NA----------				
21	t	3&4-Methylphenol	1.087	1.154	-6.2	104	0.03	5.03
22		n-Nitroso-di-n-propylamin		----------NA----------				
23	t	Hexachloroethane		----------NA----------				
24	I	Naphthalene-d8	1.000	1.000	0.0	107	0.06	5.66
25	S	Nitrobenzene-d5		----------NA----------				
26	t	Nitrobenzene		----------NA----------				
27	t	Quinoline		----------NA----------				
28	t	Isophorone		----------NA----------				
		----------	True	Calc.	% Drift	----------		
29	t	2-Nitrophenol	50.000	52.030	-4.1	107	0.06	5.38
		----------	AvgRF	CCRF	% Dev	----------		
30	t	2,4-Dimethylphenol	0.309	0.330	-6.8	107	0.03	5.40
		----------	True	Calc.	% Drift	----------		
31	t	Benzoic acid	50.000	52.953	-5.9	110	0.02	5.47
		----------	AvgRF	CCRF	% Dev	----------		
32	t	bis(2-Chloroethoxy)methan		----------NA----------				
33	t	2,4-Dichlorophenol	0.273	0.296	-8.4	109	0.03	5.55

Initial Calibration Verification

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EF9899-ICV9899
Lab FileID: F222742.D

34		2,6-Dichlorophenol	0.280	0.296	-5.7	105	0.05	5.71
35		1,3,5-Trichlorobenzene		----------NA----------				
36	t	1,2,4-Trichlorobenzene		----------NA----------				
37		1,2,3-Trichlorobenzene		----------NA----------				
38	t	Naphthalene		----------NA----------				
39	t	4-Chloroaniline		----------NA----------				
40	t	2,3-Dichloroaniline		----------NA----------				
41	t	Hydroquinone	0.263	0.327	-24.3	121	0.03	5.96
42	t	Hexachlorobutadiene		----------NA----------				
43	t	4-Chloro-3-methylphenol	0.246	0.263	-6.9	104	0.02	6.04
44	t	2-Methylnaphthalene		----------NA----------				
45	t	1-Methylnaphthalene		----------NA----------				
46	I	Acenaphthene-d10	1.000	1.000	0.0	106	0.08	7.04
47	t	Hexachlorocyclopentadiene		----------NA----------				
48	t	1,2,4,5-tetrachlorobenzen		----------NA----------				
49	t	2,4,6-Trichlorophenol	0.389	0.427	-9.8	104	0.05	6.38
50	t	2,4,5-Trichlorophenol	0.445	0.461	-3.6	100	0.02	6.41
51	S	2-Fluorobiphenyl		----------NA----------				
52	t	2-Chloronaphthalene		----------NA----------				
53	t	Biphenyl		----------NA----------				
54	t	2-Nitroaniline		----------NA----------				
55	t	Dimethylphthalate		----------NA----------				
56	t	Acenaphthylene		----------NA----------				
		----------	True	Calc.	% Drift	----------		
57	t	2,6-Dinitrotoluene		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
58	t	3-Nitroaniline		----------NA----------				
59	t	Acenaphthene		----------NA----------				
		----------	True	Calc.	% Drift	----------		
60	t	2,4-Dinitrophenol	100.000	102.081	-2.1	103	0.06	7.09
		----------	AvgRF	CCRF	% Dev	----------		
61	t	4-Nitrophenol	0.166	0.189	-13.9	111	-0.01	7.14
62	t	Dibenzofuran		----------NA----------				
		----------	True	Calc.	% Drift	----------		
63	t	2,4-Dinitrotoluene		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
64		2,3,4,6-Tetrachlorophenol	0.343	0.366	-6.7	104	0.06	7.35
65	t	Diethylphthalate		----------NA----------				
66	t	Fluorene		----------NA----------				
67	t	4-Chlorophenyl-phenylethe		----------NA----------				
68	t	4-Nitroaniline		----------NA----------				
69	I	Phenanthrene-d10	1.000	1.000	0.0	110	0.09	8.66
		----------	True	Calc.	% Drift	----------		
70	t	4,6-Dinitro-2-methylpheno	50.000	50.477	-1.0	108	0.07	7.63
		----------	AvgRF	CCRF	% Dev	----------		
71	t	n-Nitrosodiphenylamine		----------NA----------				
72	t	1,2-Diphenylhydrazine		----------NA----------				
73	S	2,4,6-Tribromophenol		----------NA----------				
74	t	4-Bromophenyl-phenylether		----------NA----------				
75	t	Hexachlorobenzene		----------NA----------				

Initial Calibration Verification

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EF9899-ICV9899
Lab FileID: F222742.D

			True	Calc.	% Drift			
76	t	Pentachlorophenol	100.000	98.995	1.0	104	0.07	8.42
			AvgRF	CCRF	% Dev			
77	t	Phenanthrene			NA			
78	t	Anthracene			NA			
79	t	Carbazole			NA			
80	t	Di-n-butylphthalate			NA			
81	t	Fluoranthene			NA			
82	t	Octadecane			NA			
83	I	Chrysene-d12	1.000	1.000	0.0	93	0.11	12.51
84	t	Benzidine			NA			
85	t	Pyrene			NA			
86	S	Terphenyl-d14			NA			
			True	Calc.	% Drift			
87	t	Butylbenzylphthalate			NA			
			AvgRF	CCRF	% Dev			
88	t	Benzo[a]anthracene			NA			
89	t	3,3'-Dichlorobenzidine			NA			
90	t	Chrysene			NA			
			True	Calc.	% Drift			
91	t	bis(2-Ethylhexyl)phthalat			NA			
			AvgRF	CCRF	% Dev			
92	I	Perylene-d12	1.000	1.000	0.0	98	0.11	14.59
			True	Calc.	% Drift			
93	t	Di-n-octylphthalate			NA			
			AvgRF	CCRF	% Dev			
94	t	Benzo[b]fluoranthene			NA			
95	t	Benzo[k]fluoranthene			NA			
96	t	Benzo[a]pyrene			NA			
			True	Calc.	% Drift			
97	t	Indeno[1,2,3-cd]pyrene			NA			
			AvgRF	CCRF	% Dev			
98	t	Dibenz(a,h)acridine			NA			
99	t	Dibenz[a,h]anthracene			NA			
100	t	7,12-Dimethylbenz(a)anthr			NA			
101	t	Benzo[g,h,i]perylene			NA			
102	I	1,4-Dichlorobenzene-d4A	1.000	1.000	0.0	93	0.07	4.77
103	M	2-Picoline			NA			
104		Pentachloroethane			NA			
105	M	Methyl methanesulfonate			NA			
106	M	N-Nitrosodiethylamine			NA			
107	M	N-Nitrosomethylethylamine			NA			
108	M	Ethyl methanesulfonate			NA			
109	M	N-Nitrosopyrrolidine			NA			
110	M	N-Nitrosomorpholine			NA			
111	M	o-Toluidine			NA			

Initial Calibration Verification

Job Number: JE1542 **Sample:** EF9899-ICV9899
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** F222742.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

112	I	Naphthalene-d8A	1.000	1.000	0.0	97	0.06	5.66
113	M	O,O,O-Triethyl phosphorot		----------NA----------				
114	M	N-Nitrosopiperidine		----------NA----------				
115	M	A,A-Dimethylphenethylamin		----------NA----------				
116	M	Hexachloropropene		----------NA----------				
117	M	N-Nitrosodi-n-butylamine		----------NA----------				
118		p-Phenylenediamine		----------NA----------				
119	M	Safrole		----------NA----------				
120		Isosafrole		----------NA----------				
121		Acenaphthene-d10A	1.000	1.000	0.0	101	0.08	7.04
122	M	Thionazin		----------NA----------				
123	M	Tetraethyl dithiopyrophos		----------NA----------				
		----------	True	Calc.	% Drift	----------		
124	M	Phorate		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
125	M	Phenacetin		----------NA----------				
126	M	1,4-Naphthoquinone		----------NA----------				
		----------	True	Calc.	% Drift	----------		
127	M	m-Dinitrobenzene		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
128	M	Pentachlorobenzene		----------NA----------				
129	M	2-Naphthylamine		----------NA----------				
130	M	1-Naphthylamine		----------NA----------				
131	M	5-Nitro-o-toluidine		----------NA----------				
132	I	Phenanthrene-d10A	1.000	1.000	0.0	106	0.09	8.66
133	M	Disulfoton		----------NA----------				
		----------	True	Calc.	% Drift	----------		
134	M	Dinoseb		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
135	M	Dimethoate		----------NA----------				
136	M	4-Aminobiphenyl		----------NA----------				
137	M	Methyl parathion		----------NA----------				
138	M	Parathion		----------NA----------				
139	M	Diphenylamine		----------NA----------				
140	M	Isodrin		----------NA----------				
141	M	Diallate		----------NA----------				
142	M	Pentachloronitrobenzene		----------NA----------				
143	M	Pronamide		----------NA----------				
		----------	True	Calc.	% Drift	----------		
144	M	4-Nitroquinoline 1-oxide		----------NA----------				
145	M	Methapyriline		----------NA----------				
146	M	sym-Trinitrobenzene		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
147	I	Chrysene-d12A	1.000	1.000	0.0	94	0.11	12.51
148		Aramite		----------NA----------				
149	M	p-(Dimethylamine)azobenze		----------NA----------				
150		Kepone		----------NA----------				
		----------	True	Calc.	% Drift	----------		

Initial Calibration Verification

Job Number: JE1542 **Sample:** EF9899-ICV9899
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** F222742.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

			AvgRF	CCRF	% Dev			
151	M	Famphur		----------NA----------				
152	M	2-Acetylaminofluorene		----------NA----------				
153	M	Chlorobenzilate		----------NA----------				
154	I	Perylene-d12A	1.000	1.000	0.0	95	0.11	14.59
			True	Calc.	% Drift			
155		Hexachlorophene		----------NA----------				
			AvgRF	CCRF	% Dev			
156		3-Methylcholanthrene		----------NA----------				
157	I	1,4-Dichlorobenzene-d4b	1.000	1.000	0.0	107	0.07	4.77
158		Benzaldehyde		----------NA----------				
159	I	Phenanthrene-d10b	1.000	1.000	0.0	121	0.09	8.66
160		Atrazine		----------NA----------				
161	I	Naphthalene-d8b	1.000	1.000	0.0	111	0.06	5.66
162		Caprolactam		----------NA----------				
163	I	Naphthalene-d8c	1.000	1.000	0.0	107	0.06	5.66
164		2-Chloroaniline		----------NA----------				
165		3-Chloroaniline		----------NA----------				
166		1-chloro-2-nitrobenzene		----------NA----------				
167	I	1,4-Dichlorobenzene-d4c	1.000	1.000	0.0	106	0.07	4.77
168		m-Toluidine		----------NA----------				
169	I	Chrysene-d12c	1.000	1.000	0.0	93	0.11	12.51
170		bis(2-Ethylhexyl)adipate		----------NA----------				
171	I	Chrysene-d12d	1.000	1.000	0.0	93	0.11	12.51
172		2,3,7,8-tcdd		----------NA----------				
173		Naphthalene-d8d	1.000	1.000	0.0	107	0.06	5.66
174	t	Salicylic acid		----------NA----------				
175		Chrysene-d12e	1.000	1.000	0.0	93	0.11	12.51
176		3,3'-Dimethylbenzidine		----------NA----------				
177		Perylene-d12b	1.000	1.000	0.0	98	0.11	14.59
178		4,4-Methylene-bis-(2-chlo		----------NA----------				
179		Naphthalene-d8e	1.000	1.000	0.0	107	0.06	5.66
180		Catechol		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F223137.D MF9899.M Fri Dec 06 12:34:39 2024 RT1

Initial Calibration Verification

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: EF9899-ICV9899
Lab FileID: F222743.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF9899\f222743.D Vial: 12
Acq On : 7 Nov 2024 12:53 pm Operator: jackleey
Sample : icv9899-50 Inst : GCMSF
Misc : op58797b,ef9899,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9899.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Nov 08 09:33:11 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00	4.76
3	t	Pyridine	1.168	1.248	-6.8	102	0.00	2.94
4	t	N-Nitrosodimethylamine	0.607	0.580	4.4	103	0.00	2.92
10	t	Aniline	1.769	1.797	-1.6	103	0.00	4.54
22		n-Nitroso-di-n-propylamin	0.793	0.829	-4.5	103	0.00	5.04
24	I	Naphthalene-d8	1.000	1.000	0.0	103	0.00	5.66
39	t	4-Chloroaniline	0.400	0.416	-4.0	100	0.00	5.71
46	I	Acenaphthene-d10	1.000	1.000	0.0	106	0.00	7.04
54	t	2-Nitroaniline	0.272	0.286	-5.1	101	0.00	6.64
		----------	AvgRF	CCRF	% Dev	----------		
58	t	3-Nitroaniline	0.289	0.301	-4.2	101	0.00	7.00
68	t	4-Nitroaniline	0.308	0.294	4.5	91	0.00	7.61
69	I	Phenanthrene-d10	1.000	1.000	0.0	108	0.00	8.66
		----------	AvgRF	CCRF	% Dev	----------		
71	t	n-Nitrosodiphenylamine	0.589	0.586	0.5	101	0.00	7.71
83	I	Chrysene-d12	1.000	1.000	0.0	99	0.00	12.51
84	t	Benzidine	0.704	0.867	-23.2	118	0.00	10.56
89	t	3,3'-Dichlorobenzidine	0.423	0.470	-11.1	91	0.00	12.50

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F222739.D MF9899.M Fri Nov 08 09:57:45 2024 RT1

Continuing Calibration Summary

Job Number: JE1542 **Sample:** EF9931-CC9899
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** F223560.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : X:\Dayton SVOA GCMS\...elas\EF9931\f223560.D Vial: 3
Acq On : 18 Dec 2024 8:55 am Operator: kaleigh
Sample : cc9899-50 Inst : GCMSF
Misc : op58797,ef9931,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : X:\Dayton SVOA G...METHODS\MF9899.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Dec 18 18:38:36 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	121	0.00	4.64
2	t	1,4-Dioxane	0.505	0.422	16.4	113	0.00	2.41
3	t	Pyridine	1.168	1.176	-0.7	111	0.00	2.69
4	t	N-Nitrosodimethylamine	0.607	0.515	15.2	106	0.00	2.66
5	S	2-Fluorophenol	1.074	1.124	-4.7	121	0.00	3.77
6	t	Indene	2.104	2.056	2.3	114	0.00	4.82
7	t	Cumene	2.300	2.369	-3.0	123	0.00	4.07
8	S	Phenol-d5	1.249	1.285	-2.9	117	0.00	4.45
9	t	Phenol	1.395	1.442	-3.4	120	0.00	4.46
10	t	Aniline	1.769	1.691	4.4	112	0.00	4.41
11	t	bis(2-Chloroethyl)ether	1.092	1.071	1.9	115	0.00	4.45
12	t	2-Chlorophenol	1.201	1.213	-1.0	116	0.00	4.52
13	t	Decane	1.184	1.077	9.0	109	0.00	4.51
14	t	1,3-Dichlorobenzene	1.426	1.487	-4.3	123	0.00	4.60
15	t	1,4-Dichlorobenzene	1.461	1.490	-2.0	120	0.00	4.65
16	t	Benzyl alcohol	0.738	0.743	-0.7	114	0.00	4.75
17	t	1,2-Dichlorobenzene	1.399	1.407	-0.6	121	0.00	4.76
18	t	Acetophenone	1.740	1.592	8.5	106	0.00	4.93
19	t	2-Methylphenol	1.027	1.047	-1.9	116	0.00	4.87
20	t	2,2'-oxybis(1-Chloropropa	0.348	0.336	3.4	115	0.00	4.83
21	t	3&4-Methylphenol	1.087	1.082	0.5	111	0.00	4.97
22		n-Nitroso-di-n-propylamin	0.793	0.771	2.8	111	0.00	4.93
23	t	Hexachloroethane	0.563	0.595	-5.7	121	0.00	5.00
24	I	Naphthalene-d8	1.000	1.000	0.0	114	0.00	5.54
25	S	Nitrobenzene-d5	0.285	0.314	-10.2	117	0.00	5.04
26	t	Nitrobenzene	0.306	0.336	-9.8	116	0.00	5.05
27	t	Quinoline	0.624	0.685	-9.8	121	0.00	5.81
28	t	Isophorone	0.559	0.579	-3.6	113	0.00	5.22
		----------	True	Calc.	% Drift	----------		
29	t	2-Nitrophenol	50.000	61.192	-22.4#	140	0.00	5.28
		----------	AvgRF	CCRF	% Dev	----------		
30	t	2,4-Dimethylphenol	0.309	0.328	-6.1	113	0.00	5.33
		----------	True	Calc.	% Drift	----------		
31	t	Benzoic acid	50.000	48.888	2.2	106	0.00	5.44
		----------	AvgRF	CCRF	% Dev	----------		
32	t	bis(2-Chloroethoxy)methan	0.365	0.366	-0.3	110	0.00	5.37
33	t	2,4-Dichlorophenol	0.273	0.317	-16.1	124	0.00	5.48

Continuing Calibration Summary

Job Number: JE1542 **Sample:** EF9931-CC9899
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** F223560.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

34		2,6-Dichlorophenol	0.280	0.310	-10.7	117	0.00	5.61
35		1,3,5-Trichlorobenzene	0.355	0.377	-6.2	116	0.00	5.28
36	t	1,2,4-Trichlorobenzene	0.331	0.361	-9.1	118	0.00	5.50
37		1,2,3-Trichlorobenzene	0.337	0.364	-8.0	116	0.00	5.66
38	t	Naphthalene	0.965	1.003	-3.9	116	0.00	5.56
39	t	4-Chloroaniline	0.400	0.396	1.0	105	0.00	5.60
40	t	2,3-Dichloroaniline	0.332	0.357	-7.5	116	0.00	6.27
41	t	Hydroquinone	0.263	0.245	6.8	96	0.00	5.89
42	t	Hexachlorobutadiene	0.212	0.239	-12.7	121	0.00	5.64
43	t	4-Chloro-3-methylphenol	0.246	0.278	-13.0	117	0.00	5.99
44	t	2-Methylnaphthalene	0.581	0.621	-6.9	117	0.00	6.05
45	t	1-Methylnaphthalene	0.606	0.648	-6.9	119	0.00	6.13
46	I	Acenaphthene-d10	1.000	1.000	0.0	121	0.00	6.90
47	t	Hexachlorocyclopentadiene	0.391	0.461	-17.9	132	0.00	6.16
48	t	1,2,4,5-tetrachlorobenzen	0.671	0.710	-5.8	119	0.00	6.17
49	t	2,4,6-Trichlorophenol	0.389	0.437	-12.3	122	0.00	6.28
50	t	2,4,5-Trichlorophenol	0.445	0.466	-4.7	115	0.00	6.36
51	S	2-Fluorobiphenyl	1.402	1.440	-2.7	118	0.00	6.33
52	t	2-Chloronaphthalene	1.207	1.219	-1.0	117	0.00	6.43
53	t	Biphenyl	1.549	1.541	0.5	116	0.00	6.41
54	t	2-Nitroaniline	0.272	0.291	-7.0	118	0.00	6.52
55	t	Dimethylphthalate	1.323	1.404	-6.1	123	0.00	6.67
56	t	Acenaphthylene	1.669	1.775	-6.4	121	0.00	6.78
			True	Calc.	% Drift			
57	t	2,6-Dinitrotoluene	50.000	58.314	-16.6	139	0.00	6.72
			AvgRF	CCRF	% Dev			
58	t	3-Nitroaniline	0.289	0.324	-12.1	124	0.00	6.89
59	t	Acenaphthene	1.286	1.264	1.7	117	0.00	6.93
			True	Calc.	% Drift			
60	t	2,4-Dinitrophenol	100.000	130.600	-30.6#	168	0.00	6.98
			AvgRF	CCRF	% Dev			
61	t	4-Nitrophenol	0.166	0.152	8.4	102	0.07	7.16
62	t	Dibenzofuran	1.785	1.820	-2.0	119	0.00	7.09
			True	Calc.	% Drift			
63	t	2,4-Dinitrotoluene	50.000	58.156	-16.3	137	0.00	7.09
			AvgRF	CCRF	% Dev			
64		2,3,4,6-Tetrachlorophenol	0.343	0.388	-13.1	126	0.00	7.23
65	t	Diethylphthalate	1.391	1.449	-4.2	120	0.00	7.32
66	t	Fluorene	1.381	1.389	-0.6	114	0.00	7.43
67	t	4-Chlorophenyl-phenylethe	0.749	0.747	0.3	117	0.00	7.43
68	t	4-Nitroaniline	0.308	0.288	6.5	101	0.00	7.48
69	I	Phenanthrene-d10	1.000	1.000	0.0	122	0.00	8.49
			True	Calc.	% Drift			
70	t	4,6-Dinitro-2-methylpheno	50.000	69.747	-39.5#	184	0.00	7.49
			AvgRF	CCRF	% Dev			
71	t	n-Nitrosodiphenylamine	0.589	0.603	-2.4	117	0.00	7.56
72	t	1,2-Diphenylhydrazine	0.622	0.585	5.9	110	0.00	7.60
73	S	2,4,6-Tribromophenol	0.097	0.119	-22.7#	137	0.00	7.69
74	t	4-Bromophenyl-phenylether	0.214	0.228	-6.5	124	0.00	7.96
75	t	Hexachlorobenzene	0.230	0.254	-10.4	130	0.00	8.02

Continuing Calibration Summary

Job Number: JE1542 **Sample:** EF9931-CC9899
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** F223560.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

			True	Calc.	% Drift			
76	t	Pentachlorophenol	100.000	100.345	-0.3	117	0.00	8.28
			AvgRF	CCRF	% Dev			
77	t	Phenanthrene	1.063	1.053	0.9	119	0.00	8.52
78	t	Anthracene	1.045	1.066	-2.0	118	0.00	8.58
79	t	Carbazole	0.958	0.978	-2.1	116	0.00	8.81
80	t	Di-n-butylphthalate	1.131	1.249	-10.4	121	0.00	9.30
81	t	Fluoranthene	1.150	1.302	-13.2	126	0.00	10.13
82	t	Octadecane	0.359	0.374	-4.2	115	0.00	8.38
83	I	Chrysene-d12	1.000	1.000	0.0	120	0.00	12.30
84	t	Benzidine	0.704	0.572	18.8	94	0.00	10.37
85	t	Pyrene	1.322	1.396	-5.6	122	0.00	10.45
86	S	Terphenyl-d14	0.936	1.015	-8.4	124	0.00	10.73
			True	Calc.	% Drift			
87	t	Butylbenzylphthalate	50.000	56.462	-12.9	132	0.00	11.53
			AvgRF	CCRF	% Dev			
88	t	Benzo[a]anthracene	1.189	1.303	-9.6	122	0.00	12.28
89	t	3,3'-Dichlorobenzidine	0.423	0.488	-15.4	114	0.00	12.30
90	t	Chrysene	1.266	1.285	-1.5	119	0.00	12.34
			True	Calc.	% Drift			
91	t	bis(2-Ethylhexyl)phthalat	50.000	54.274	-8.5	125	0.00	12.46
			AvgRF	CCRF	% Dev			
92	I	Perylene-d12	1.000	1.000	0.0	125	0.00	14.39
			True	Calc.	% Drift			
93	t	Di-n-octylphthalate	50.000	55.227	-10.5	133	0.00	13.45
			AvgRF	CCRF	% Dev			
94	t	Benzo[b]fluoranthene	1.133	1.249	-10.2	120	0.00	13.88
95	t	Benzo[k]fluoranthene	1.143	1.245	-8.9	123	0.00	13.92
96	t	Benzo[a]pyrene	0.939	1.079	-14.9	125	0.00	14.31
			True	Calc.	% Drift			
97	t	Indeno[1,2,3-cd]pyrene	50.000	55.465	-10.9	134	0.00	15.75
			AvgRF	CCRF	% Dev			
98	t	Dibenz(a,h)acridine	0.847	0.980	-15.7	133	0.00	15.46
99	t	Dibenz[a,h]anthracene	0.991	1.162	-17.3	127	0.00	15.79
100	t	7,12-Dimethylbenz(a)anthr	0.493	0.527	-6.9	123	0.00	13.88
101	t	Benzo[g,h,i]perylene	0.951	1.109	-16.6	128	0.00	16.11

(#) = Out of Range SPCC's out = 0 CCC's out = 0
f223560.D MF9899.M Wed Dec 18 20:44:21 2024

Continuing Calibration Summary

Job Number: JE1542 **Sample:** EF9931-CC9895
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** F223561.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Continuing Calibration Report

Data File : X:\Dayton SVOA GCMS\...elas\EF9931\f223561.D Vial: 4
Acq On : 18 Dec 2024 9:19 am Operator: kaleigh
Sample : cc9895-50 Inst : GCMSF
Misc : op58797,ef9931,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : X:\Dayton SVOA G...METHODS\MF9899.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Dec 17 19:03:46 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
157 I	1,4-Dichlorobenzene-d4b	1.000	1.000	0.0	91	0.00	4.64
158	Benzaldehyde	1.145	0.899	21.5#	78	-0.03	4.33
159 I	Phenanthrene-d10b	1.000	1.000	0.0	102	0.00	8.48
160	Atrazine	0.190	0.209	-10.0	102	-0.03	8.17
161 I	Naphthalene-d8b	1.000	1.000	0.0	87	0.00	5.54
162	Caprolactam	0.138	0.123	10.9	77	-0.02	5.84

(#) = Out of Range SPCC's out = 0 CCC's out = 0
f223532.D MF9899.M Wed Dec 18 18:31:06 2024

Continuing Calibration Summary

Job Number: JE1542 **Sample:** EF9931-CC9895
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** F223563.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Evaluate Low verification level

Data File : X:\Dayton SVOA GCMS\...elas\EF9931\f223563.D Vial: 6
Acq On : 18 Dec 2024 10:07 am Operator: kaleigh
Sample : cc9895-5 Inst : GCMSF
Misc : op58797,ef9931,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : X:\Dayton SVOA G...METHODS\MF9899.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Dec 17 19:03:46 2024
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 100% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
157 I	1,4-Dichlorobenzene-d4b	1.000	1.000	0.0	87	0.00	4.64
158	Benzaldehyde	1.145	0.814	28.9	64	-0.03	4.33

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F222683A.D MF9899.M Wed Dec 18 18:37:00 2024

Run Sequence Report

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: E4P3698	**Method:** SW846 8270E	**Instrument ID:** GCMS4P

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
E4P3698-DFTPP	4P693994.D	11/27/24 13:51	n/a	DFTPP Tune
E4P3698-ICC3698	4P693995.D	11/27/24 14:14	n/a	Initial cal 50
E4P3698-IC3698	4P693996.D	11/27/24 14:37	n/a	Initial cal 1
E4P3698-IC3698	4P693997.D	11/27/24 15:00	n/a	Initial cal 2
E4P3698-IC3698	4P693998.D	11/27/24 15:22	n/a	Initial cal 5
E4P3698-IC3698	4P693999.D	11/27/24 15:46	n/a	Initial cal 10
E4P3698-IC3698	4P694000.D	11/27/24 16:08	n/a	Initial cal 25
E4P3698-IC3698	4P694001.D	11/27/24 16:31	n/a	Initial cal 80
E4P3698-IC3698	4P694002.D	11/27/24 16:54	n/a	Initial cal 100
E4P3698-IC3698	4P694003.D	11/27/24 17:17	n/a	Initial cal 1
E4P3698-IC3698	4P694004.D	11/27/24 17:39	n/a	Initial cal 2
E4P3698-IC3698	4P694005.D	11/27/24 18:02	n/a	Initial cal 5
E4P3698-IC3698	4P694006.D	11/27/24 18:25	n/a	Initial cal 10
E4P3698-IC3698	4P694007.D	11/27/24 18:48	n/a	Initial cal 25
E4P3698-IC3698	4P694008.D	11/27/24 19:11	n/a	Initial cal 50
E4P3698-IC3698	4P694009.D	11/27/24 19:34	n/a	Initial cal 80
E4P3698-IC3698	4P694010.D	11/27/24 19:56	n/a	Initial cal 100
E4P3698-ICV3698	4P694011.D	11/27/24 20:19	n/a	Initial cal verification 50
E4P3698-ICV3698	4P694012.D	11/27/24 20:42	n/a	Initial cal verification 50
E4P3698-ICV3698	4P694013.D	11/27/24 21:05	n/a	Initial cal verification 50
E4P3698-ICV3698	4P694014.D	11/27/24 21:28	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: E4P3703	**Method:** SW846 8270E	**Instrument ID:** GCMS4P

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
E4P3703-CC3698	4P694134.D	12/06/24 09:12	n/a	Continuing cal 50
E4P3703-CC3698	4P694135.D	12/06/24 09:36	n/a	Continuing cal 50
OP59876-MB1	4P694137.D	12/06/24 10:23	OP59876	Method Blank
OP59876-BS1	4P694138.D	12/06/24 10:47	OP59876	Blank Spike
ZZZZZZ	4P694139.D	12/06/24 11:09	OP59876	(unrelated sample)
ZZZZZZ	4P694140.D	12/06/24 11:33	OP59876	(unrelated sample)
ZZZZZZ	4P694141.D	12/06/24 11:56	OP59876	(unrelated sample)
JE1536-4	4P694142.D	12/06/24 12:19	OP59876	(used for QC only; not part of job JE1542)
ZZZZZZ	4P694143.D	12/06/24 12:42	OP59876	(unrelated sample)
ZZZZZZ	4P694144.D	12/06/24 13:06	OP59876	(unrelated sample)
ZZZZZZ	4P694145.D	12/06/24 13:30	OP59876	(unrelated sample)
ZZZZZZ	4P694146.D	12/06/24 13:54	OP59876	(unrelated sample)
ZZZZZZ	4P694147.D	12/06/24 14:18	OP59837	(unrelated sample)
JE1455-1	4P694148.D	12/06/24 14:41	OP59839	(used for QC only; not part of job JE1542)
ZZZZZZ	4P694149.D	12/06/24 15:05	OP59839	(unrelated sample)
ZZZZZZ	4P694150.D	12/06/24 15:29	OP59839	(unrelated sample)
ZZZZZZ	4P694151.D	12/06/24 15:52	OP59839	(unrelated sample)
ZZZZZZ	4P694152.D	12/06/24 16:16	OP59839	(unrelated sample)
ZZZZZZ	4P694154.D	12/06/24 17:04	OP59839	(unrelated sample)
ZZZZZZ	4P694155.D	12/06/24 17:28	OP59839	(unrelated sample)
ZZZZZZ	4P694156.D	12/06/24 17:52	OP59839	(unrelated sample)
ZZZZZZ	4P694157.D	12/06/24 18:16	OP59879	(unrelated sample)
ZZZZZZ	4P694158.D	12/06/24 18:40	OP59879	(unrelated sample)
JE1542-2	4P694159.D	12/06/24 19:04	OP59876	GRID-20(2.0-2.5)
JE1542-4	4P694160.D	12/06/24 19:27	OP59876	GRID-20-N1
JE1542-6	4P694161.D	12/06/24 19:51	OP59876	GRID-20-S1
JE1542-8	4P694162.D	12/06/24 20:14	OP59876	GRID-20-E1
JE1542-10	4P694163.D	12/06/24 20:38	OP59876	GRID-20-W1
JE1542-12	4P694164.D	12/06/24 21:02	OP59876	DUP-4

Run Sequence Report

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: E6P4255	**Method:** SW846 8270E	**Instrument ID:** GCMS6P

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
E6P4255-DFTPP	6P517478.D	09/12/24 15:52	n/a	DFTPP Tune
E6P4255-IC4255	6P517487.D	09/12/24 18:39	n/a	Initial cal 1
E6P4255-IC4255	6P517488.D	09/12/24 18:59	n/a	Initial cal 2
E6P4255-IC4255	6P517489.D	09/12/24 19:19	n/a	Initial cal 5
E6P4255-IC4255	6P517490.D	09/12/24 19:38	n/a	Initial cal 10
E6P4255-IC4255	6P517491.D	09/12/24 19:58	n/a	Initial cal 25
E6P4255-ICC4255	6P517492.D	09/12/24 20:17	n/a	Initial cal 50
E6P4255-IC4255	6P517493.D	09/12/24 20:37	n/a	Initial cal 80
E6P4255-IC4255	6P517494.D	09/12/24 20:57	n/a	Initial cal 100

Run Sequence Report

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: E6P4256	**Method:** SW846 8270E	**Instrument ID:** GCMS6P

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
E6P4256-DFTPP	6P517499.D	09/13/24 09:42	n/a	DFTPP Tune
E6P4256-ICC4256	6P517500.D	09/13/24 09:53	n/a	Initial cal 50
E6P4256-IC4256	6P517502.D	09/13/24 10:32	n/a	Initial cal 2
E6P4256-IC4256	6P517504.D	09/13/24 11:12	n/a	Initial cal 10
E6P4256-IC4256	6P517507.D	09/13/24 12:11	n/a	Initial cal 100
E6P4256-IC4256	6P517509.D	09/13/24 12:51	n/a	Initial cal 1
E6P4256-IC4256	6P517510.D	09/13/24 13:11	n/a	Initial cal 5
E6P4256-IC4256	6P517511.D	09/13/24 13:31	n/a	Initial cal 25
E6P4256-IC4256	6P517512.D	09/13/24 13:51	n/a	Initial cal 80
E6P4256-ICV4256	6P517514.D	09/13/24 16:16	n/a	Initial cal verification 50
E6P4256-ICV4256	6P517515.D	09/13/24 16:35	n/a	Initial cal verification 50
E6P4256-ICV4255	6P517516.D	09/13/24 16:54	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: E6P4258	**Method:** SW846 8270E	**Instrument ID:** GCMS6P

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
E6P4258-DFTPP	6P517521.D	09/16/24 10:59	n/a	DFTPP Tune
E6P4258-ICV4256	6P517522.D	09/16/24 11:29	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: E6P4336	**Method:** SW846 8270E	**Instrument ID:** GCMS6P

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
E6P4336-CC4256	6P519533.D	12/17/24 10:02	n/a	Continuing cal 50
E6P4336-CC4255	6P519534.D	12/17/24 10:23	n/a	Continuing cal 50
E6P4336-CC4256	6P519535.D	12/17/24 10:42	n/a	Continuing cal 5
E6P4336-CC4256	6P519536.D	12/17/24 11:01	n/a	Continuing cal 1
E6P4336-CC4256	6P519537.D	12/17/24 11:21	n/a	Continuing cal 2
E6P4336-CC4255	6P519538.D	12/17/24 11:41	n/a	Continuing cal 2
OP60221-MB1	6P519540.D	12/17/24 12:20	OP60221	Method Blank
OP60225-MB1	6P519542.D	12/17/24 12:59	OP60225	Method Blank
OP60225-BS1	6P519543.D	12/17/24 13:18	OP60225	Blank Spike
OP60221-MS	6P519544.D	12/17/24 13:38	OP60221	Matrix Spike
OP60221-MSD	6P519545.D	12/17/24 13:57	OP60221	Matrix Spike Duplicate
JE2333-9	6P519546.D	12/17/24 14:17	OP60221	(used for QC only; not part of job JE1542)
ZZZZZZ	6P519547.D	12/17/24 14:37	OP60221	(unrelated sample)
ZZZZZZ	6P519548.D	12/17/24 14:57	OP60221	(unrelated sample)
ZZZZZZ	6P519549.D	12/17/24 15:17	OP60221	(unrelated sample)
ZZZZZZ	6P519550.D	12/17/24 15:37	OP60221	(unrelated sample)
ZZZZZZ	6P519551.D	12/17/24 15:57	OP60221	(unrelated sample)
ZZZZZZ	6P519552.D	12/17/24 16:17	OP60221	(unrelated sample)
JE1542-3T	6P519553.D	12/17/24 16:36	OP60221	GRID-20(2.5-3.0)
JE1542-5T	6P519554.D	12/17/24 16:56	OP60221	GRID-20-N2
JE1542-7T	6P519555.D	12/17/24 17:16	OP60221	GRID-20-S2
JE1542-9T	6P519556.D	12/17/24 17:37	OP60221	GRID-20-E2
JE1542-11T	6P519557.D	12/17/24 17:57	OP60221	GRID-20-W2
OP60225-MS	6P519558.D	12/17/24 18:16	OP60225	Matrix Spike
OP60225-MSD	6P519559.D	12/17/24 18:36	OP60225	Matrix Spike Duplicate
JE1770-4	6P519560.D	12/17/24 18:55	OP60225	(used for QC only; not part of job JE1542)
ZZZZZZ	6P519561.D	12/17/24 19:15	OP60225	(unrelated sample)
ZZZZZZ	6P519562.D	12/17/24 19:35	OP60225	(unrelated sample)
ZZZZZZ	6P519563.D	12/17/24 19:55	OP60225	(unrelated sample)

Run Sequence Report

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: ECS369	**Method:** SW846 8270E	**Instrument ID:** GCMSCS

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
ECS369-DFTPP	CS7078.D	12/09/24 14:45	n/a	DFTPP Tune
ECS369-ICC369	CS7079.D	12/09/24 14:56	n/a	Initial cal 50
ECS369-IC369	CS7080.D	12/09/24 15:15	n/a	Initial cal 1
ECS369-IC369	CS7081.D	12/09/24 15:33	n/a	Initial cal 2
ECS369-IC369	CS7082.D	12/09/24 15:52	n/a	Initial cal 5
ECS369-IC369	CS7083.D	12/09/24 16:10	n/a	Initial cal 10
ECS369-IC369	CS7084.D	12/09/24 16:28	n/a	Initial cal 25
ECS369-IC369	CS7085.D	12/09/24 16:47	n/a	Initial cal 80
ECS369-IC369	CS7086.D	12/09/24 17:05	n/a	Initial cal 100
ECS369-IC369	CS7087.D	12/09/24 17:24	n/a	Initial cal 1
ECS369-IC369	CS7088.D	12/09/24 17:42	n/a	Initial cal 2
ECS369-IC369	CS7089.D	12/09/24 18:01	n/a	Initial cal 5
ECS369-IC369	CS7090.D	12/09/24 18:19	n/a	Initial cal 10
ECS369-IC369	CS7091.D	12/09/24 18:38	n/a	Initial cal 25
ECS369-IC369	CS7092.D	12/09/24 18:56	n/a	Initial cal 50
ECS369-IC369	CS7093.D	12/09/24 19:15	n/a	Initial cal 80
ECS369-IC369	CS7094.D	12/09/24 19:33	n/a	Initial cal 100
ECS369-ICV369	CS7095.D	12/09/24 19:52	n/a	Initial cal verification 50
ECS369-ICV369	CS7096.D	12/09/24 20:10	n/a	Initial cal verification 50
ECS369-ICV369	CS7097.D	12/09/24 20:29	n/a	Initial cal verification 50
ECS369-ICV369	CS7098.D	12/09/24 20:47	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: ECS377	**Method:** SW846 8270E	**Instrument ID:** GCMSCS

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
ECS377-CC369	CS7297.D	12/20/24 10:46	n/a	Continuing cal 50
ECS377-CC369	CS7298.D	12/20/24 11:05	n/a	Continuing cal 50
ZZZZZZ	CS7299.D	12/20/24 11:42	OP60296	(unrelated sample)
ZZZZZZ	CS7300.D	12/20/24 12:00	OP60296	(unrelated sample)
ZZZZZZ	CS7301.D	12/20/24 12:19	OP60296	(unrelated sample)
ZZZZZZ	CS7302.D	12/20/24 12:37	OP60296	(unrelated sample)
ZZZZZZ	CS7304.D	12/20/24 13:14	OP60296	(unrelated sample)
ZZZZZZ	CS7305.D	12/20/24 13:33	OP60296	(unrelated sample)
ZZZZZZ	CS7306.D	12/20/24 13:51	OP60296	(unrelated sample)
ZZZZZZ	CS7307.D	12/20/24 14:10	OP60296	(unrelated sample)
ZZZZZZ	CS7308.D	12/20/24 14:29	OP60296	(unrelated sample)
ZZZZZZ	CS7309.D	12/20/24 14:47	OP60296	(unrelated sample)
OP59876-MS	CS7310.D	12/20/24 15:06	OP59876	Matrix Spike
OP59876-MSD	CS7311.D	12/20/24 15:24	OP59876	Matrix Spike Duplicate

Run Sequence Report

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: ECT443	**Method:** SW846 8270E	**Instrument ID:** GCMSCT

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
ECT443-DFTPP	CT9458.D	10/21/24 15:51	n/a	DFTPP Tune
ECT443-ICC443	CT9459.D	10/21/24 16:03	n/a	Initial cal 50
ECT443-IC443	CT9460.D	10/21/24 16:25	n/a	Initial cal 1
ECT443-IC443	CT9461.D	10/21/24 16:43	n/a	Initial cal 2
ECT443-IC443	CT9462.D	10/21/24 17:01	n/a	Initial cal 5
ECT443-IC443	CT9463.D	10/21/24 17:19	n/a	Initial cal 10
ECT443-IC443	CT9464.D	10/21/24 17:37	n/a	Initial cal 25
ECT443-IC443	CT9465.D	10/21/24 17:55	n/a	Initial cal 80
ECT443-IC443	CT9466.D	10/21/24 18:13	n/a	Initial cal 100
ECT443-IC443	CT9467.D	10/21/24 18:31	n/a	Initial cal 1
ECT443-IC443	CT9468.D	10/21/24 18:50	n/a	Initial cal 2
ECT443-IC443	CT9469.D	10/21/24 19:08	n/a	Initial cal 5
ECT443-IC443	CT9470.D	10/21/24 19:26	n/a	Initial cal 10
ECT443-IC443	CT9471.D	10/21/24 19:44	n/a	Initial cal 25
ECT443-IC443	CT9472.D	10/21/24 20:02	n/a	Initial cal 50
ECT443-IC443	CT9473.D	10/21/24 20:20	n/a	Initial cal 80
ECT443-IC443	CT9474.D	10/21/24 20:38	n/a	Initial cal 100
ECT443-ICV443	CT9475.D	10/21/24 20:57	n/a	Initial cal verification 50
ECT443-ICV443	CT9476.D	10/21/24 21:15	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: ECT444	**Method:** SW846 8270E	**Instrument ID:** GCMSCT

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
ECT444-DFTPP	CT9480.D	10/23/24 10:02	n/a	DFTPP Tune
ECT444-ICV443	CT9481.D	10/23/24 11:09	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: ECT471	**Method:** SW846 8270E	**Instrument ID:** GCMSCT

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
ECT471-CC443	CT10189.D	12/09/24 09:02	n/a	Continuing cal 50
ECT471-CC443	CT10190.D	12/09/24 09:21	n/a	Continuing cal 50
ZZZZZZ	CT10191.D	12/09/24 09:46	OP59967	(unrelated sample)
ZZZZZZ	CT10192.D	12/09/24 10:05	OP59967	(unrelated sample)
ZZZZZZ	CT10193.D	12/09/24 10:23	OP59967	(unrelated sample)
ZZZZZZ	CT10194.D	12/09/24 10:41	OP59967	(unrelated sample)
ZZZZZZ	CT10195.D	12/09/24 10:59	OP59967	(unrelated sample)
ZZZZZZ	CT10196.D	12/09/24 11:17	OP59967	(unrelated sample)
ZZZZZZ	CT10197.D	12/09/24 11:36	OP59967	(unrelated sample)
ZZZZZZ	CT10198.D	12/09/24 11:54	OP59967	(unrelated sample)
ZZZZZZ	CT10199.D	12/09/24 12:12	OP59966	(unrelated sample)
JE1542-4	CT10201.D	12/09/24 12:49	OP59876	GRID-20-N1
JE1542-6	CT10202.D	12/09/24 13:07	OP59876	GRID-20-S1
JE1542-10	CT10203.D	12/09/24 13:26	OP59876	GRID-20-W1
JE1542-12	CT10204.D	12/09/24 13:44	OP59876	DUP-4
ZZZZZZ	CT10205.D	12/09/24 14:02	OP59878	(unrelated sample)
ZZZZZZ	CT10206.D	12/09/24 14:21	OP59878	(unrelated sample)
ZZZZZZ	CT10207.D	12/09/24 14:39	OP59966	(unrelated sample)
ZZZZZZ	CT10208.D	12/09/24 14:58	OP59966	(unrelated sample)
ZZZZZZ	CT10209.D	12/09/24 15:17	OP59966	(unrelated sample)
ZZZZZZ	CT10210.D	12/09/24 15:35	OP59966	(unrelated sample)
ZZZZZZ	CT10211.D	12/09/24 15:54	OP59966	(unrelated sample)
ZZZZZZ	CT10212.D	12/09/24 16:13	OP59966	(unrelated sample)
ZZZZZZ	CT10213.D	12/09/24 16:31	OP59966	(unrelated sample)
ZZZZZZ	CT10214.D	12/09/24 16:50	OP59966	(unrelated sample)
ZZZZZZ	CT10215.D	12/09/24 17:09	OP59966	(unrelated sample)
ZZZZZZ	CT10216.D	12/09/24 17:28	OP59966	(unrelated sample)
ZZZZZZ	CT10217.D	12/09/24 17:46	OP59966	(unrelated sample)
ZZZZZZ	CT10218.D	12/09/24 18:05	OP59966	(unrelated sample)
ZZZZZZ	CT10219.D	12/09/24 18:24	OP59966	(unrelated sample)

Run Sequence Report

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: EF9895	**Method:** EPA 625.1	**Instrument ID:** GCMSF

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
EF9895-DFTPP	F222664.D	10/29/24 10:13	n/a	DFTPP Tune
EF9895-IC9895	F222673.D	10/29/24 13:30	n/a	Initial cal 1
EF9895-IC9895	F222674.D	10/29/24 13:52	n/a	Initial cal 2
EF9895-IC9895	F222675.D	10/29/24 14:15	n/a	Initial cal 5
EF9895-IC9895	F222676.D	10/29/24 14:38	n/a	Initial cal 10
EF9895-IC9895	F222677.D	10/29/24 15:01	n/a	Initial cal 25
EF9895-ICC9895	F222678.D	10/29/24 15:23	n/a	Initial cal 50
EF9895-IC9895	F222679.D	10/29/24 15:46	n/a	Initial cal 80
EF9895-IC9895	F222680.D	10/29/24 16:09	n/a	Initial cal 100
EF9895-IC9895	F222681.D	10/29/24 16:31	n/a	Initial cal 1
EF9895-IC9895	F222682.D	10/29/24 16:54	n/a	Initial cal 2
EF9895-IC9895	F222683.D	10/29/24 17:17	n/a	Initial cal 5
EF9895-IC9895	F222684.D	10/29/24 17:39	n/a	Initial cal 10
EF9895-IC9895	F222685.D	10/29/24 18:02	n/a	Initial cal 25
EF9895-IC9895	F222686.D	10/29/24 18:25	n/a	Initial cal 50
EF9895-IC9895	F222687.D	10/29/24 18:47	n/a	Initial cal 80
EF9895-IC9895	F222688.D	10/29/24 19:10	n/a	Initial cal 100
EF9895-ICV9895	F222689.D	10/29/24 19:33	n/a	Initial cal verification 50
EF9895-ICV9895	F222690.D	10/29/24 19:55	n/a	Initial cal verification 50
EF9895-ICV9895	F222691.D	10/29/24 20:18	n/a	Initial cal verification 50
EF9895-ICV9895	F222692.D	10/29/24 20:41	n/a	Initial cal verification 50
EF9895-ICV9895	F222695.D	10/29/24 21:49	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: EF9899	**Method:** EPA 625.1	**Instrument ID:** GCMSF

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
EF9899-DFTPP	F222732A.D	11/07/24 08:48	n/a	DFTPP Tune
EF9899-IC9899	F222733.D	11/07/24 09:00	n/a	Initial cal 1
EF9899-IC9899	F222734.D	11/07/24 09:23	n/a	Initial cal 2
EF9899-IC9899	F222735.D	11/07/24 09:46	n/a	Initial cal 5
EF9899-IC9899	F222736.D	11/07/24 10:10	n/a	Initial cal 10
EF9899-IC9899	F222737.D	11/07/24 10:33	n/a	Initial cal 25
EF9899-ICC9899	F222739.D	11/07/24 10:56	n/a	Initial cal 50
EF9899-IC9899	F222738.D	11/07/24 11:20	n/a	Initial cal 80
EF9899-IC9899	F222740.D	11/07/24 11:43	n/a	Initial cal 100
EF9899-ICV9899	F222741.D	11/07/24 12:06	n/a	Initial cal verification 50
EF9899-ICV9899	F222742.D	11/07/24 12:30	n/a	Initial cal verification 50
EF9899-ICV9899	F222743.D	11/07/24 12:53	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: EF9931	**Method:** SW846 8270E	**Instrument ID:** GCMSF

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
EF9931-DFTPP	F223559.D	12/18/24 08:41	n/a	DFTPP Tune
EF9931-CC9899	F223560.D	12/18/24 08:55	n/a	Continuing cal 50
EF9931-CC9895	F223561.D	12/18/24 09:19	n/a	Continuing cal 50
EF9931-CC9895	F223563.D	12/18/24 10:07	n/a	Continuing cal 5
OP60221-BS1	F223564.D	12/18/24 10:31	OP60221	Blank Spike
OP60259-MB1	F223565.D	12/18/24 10:55	OP60259	Method Blank
OP60259B-MB1	F223565.D	12/18/24 10:55	OP60259B	Method Blank
OP60259-BS1	F223566.D	12/18/24 11:19	OP60259	Blank Spike
OP60259B-BS1	F223566.D	12/18/24 11:19	OP60259B	Blank Spike
OP60259-BSD	F223567.D	12/18/24 11:42	OP60259	Blank Spike Duplicate
OP60259B-BSD	F223567.D	12/18/24 11:42	OP60259B	Blank Spike Duplicate
ZZZZZZ	F223568.D	12/18/24 12:06	OP60259B	(unrelated sample)
ZZZZZZ	F223569.D	12/18/24 12:30	OP60259B	(unrelated sample)
ZZZZZZ	F223570.D	12/18/24 12:54	OP60259B	(unrelated sample)
ZZZZZZ	F223571.D	12/18/24 13:17	OP60259B	(unrelated sample)
ZZZZZZ	F223572.D	12/18/24 13:42	OP60259B	(unrelated sample)
ZZZZZZ	F223573.D	12/18/24 14:06	OP60259	(unrelated sample)
ZZZZZZ	F223574.D	12/18/24 14:31	OP60259	(unrelated sample)
ZZZZZZ	F223575.D	12/18/24 14:58	OP60259	(unrelated sample)
ZZZZZZ	F223576.D	12/18/24 15:25	OP60259	(unrelated sample)
ZZZZZZ	F223577.D	12/18/24 15:53	OP60259	(unrelated sample)
ZZZZZZ	F223578.D	12/18/24 16:21	OP60259	(unrelated sample)
ZZZZZZ	F223579.D	12/18/24 16:48	OP60259B	(unrelated sample)
ZZZZZZ	F223580.D	12/18/24 17:15	OP60259B	(unrelated sample)

MS Semi-volatiles

Raw Data

Manual Integrations APPROVED (compounds with "m" flag)
Jezreel Oblin
12/09/24 05:26

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\recheleb\E4P3703\
Data File : 4p694159.d
Acq On : 6 Dec 2024 7:04 pm
Operator : kaleigh
Sample : je1542-2 Inst : GCMS4P
Misc : op59876,e4p3703,30.04,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 08 10:25:10 2024
Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Sun Dec 08 08:17:46 2024
Response via : Initial Calibration

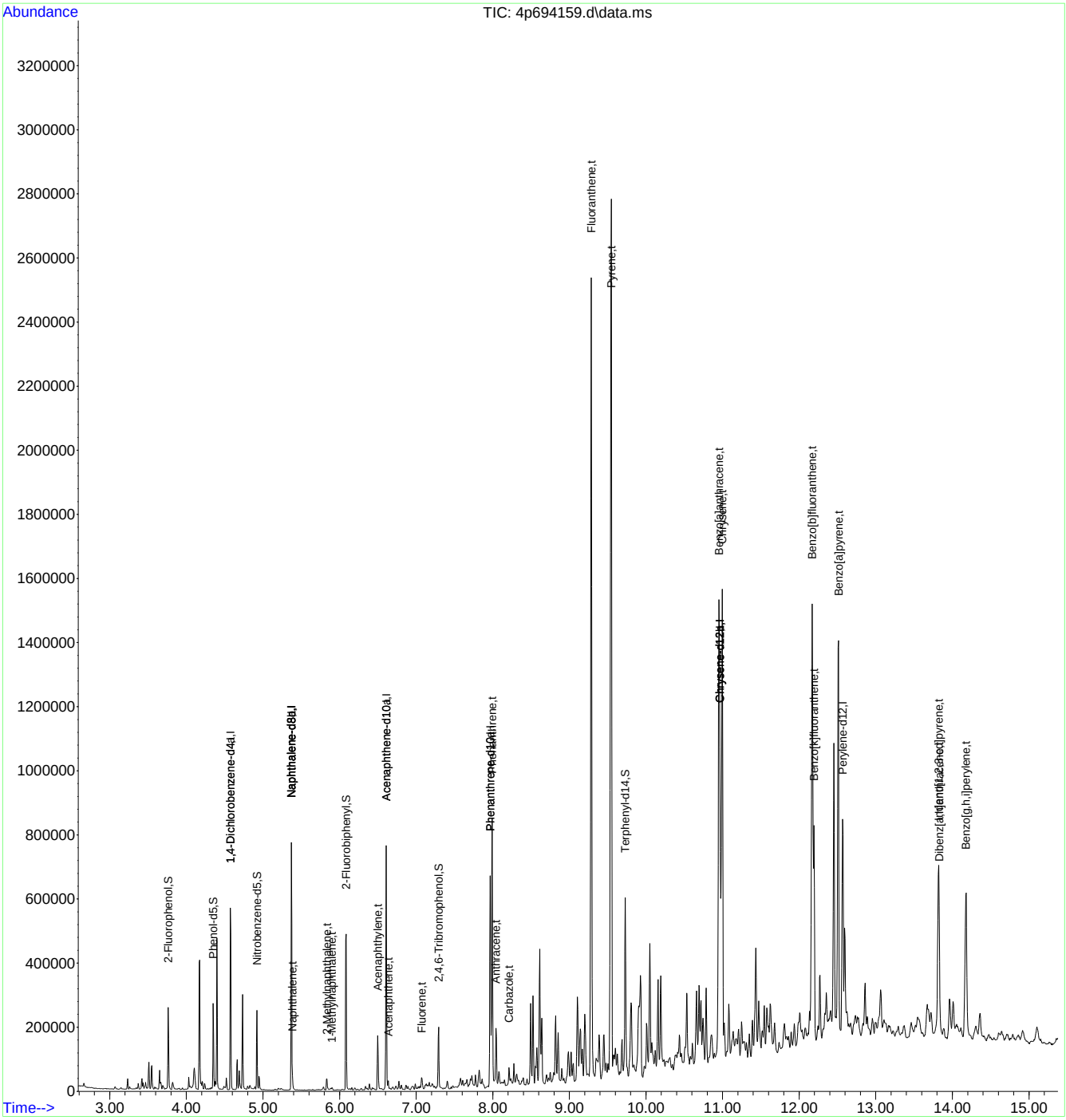
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.574	152	67796	40.00	ppm	0.00
24) Naphthalene-d8	5.370	136	246377	40.00	ppm	0.00
46) Acenaphthene-d10	6.610	164	136545	40.00	ppm	0.00
69) Phenanthrene-d10	7.967	188	229684	40.00	ppm	0.00
84) Chrysene-d12	10.964	240	252330	40.00	ppm	0.01
93) Perylene-d12	12.566	264	266832	40.00	ppm	0.01
103) 1,4-Dichlorobenzene-d4a	4.574	152	67796	40.00	ppm	0.00
105) Acenaphthene-d10a	6.610	164	136545	40.00	ppm	0.00
107) Chrysene-d12a	10.964	240	252330	40.00	ppm	0.01
109) Phenanthrene-d10a	7.967	188	229684	40.00	ppm	0.00
111) Naphthalene-d8a	5.370	136	246377	40.00	ppm	0.00
113) Chrysene-d12b	10.964	240	252330	40.00	ppm	0.01
115) Naphthalene-d8b	5.370	136	246377	40.00	ppm	0.00
118) Naphthalene-d8c	5.370	136	246377	40.00	ppm	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.762	112	47844	25.67	ppm	0.00
Spiked Amount 50.000			Recovery =	51.34%		
8) Phenol-d5	4.350	99	62410	25.46	ppm	0.00
Spiked Amount 50.000			Recovery =	50.92%		
25) Nitrobenzene-d5	4.922	82	52849	24.22	ppm	0.00
Spiked Amount 50.000			Recovery =	48.44%		
51) 2-Fluorobiphenyl	6.086	172	130668	28.10	ppm	0.00
Spiked Amount 50.000			Recovery =	56.20%		
74) 2,4,6-Tribromophenol	7.294	330	16207	28.01	ppm	0.00
Spiked Amount 50.000			Recovery =	56.02%		
87) Terphenyl-d14	9.730	244	161647	25.75	ppm	0.00
Spiked Amount 50.000			Recovery =	51.50%		
108) 1-chlorooctadecane	0.000	57	0d	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
110) o-terphenyl	0.000	230	0d	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
38) Naphthalene	5.386	128	8814	1.3682	ppm	95
44) 2-Methylnaphthalene	5.835	141	2102	0.5388	ppm	98
45) 1-Methylnaphthalene	5.899	142	1252	0.3025	ppm	92
56) Acenaphthylene	6.498	152	64020	11.5012	ppm	99
59) Acenaphthene	6.636	153	5284	1.2423	ppm	94
66) Fluorene	7.069	166	9780	2.1228	ppm	98
78) Phenanthrene	7.993	178	292633	45.5188	ppm	100
79) Anthracene	8.041	178	67325	10.6531	ppm	98
80) Carbazole	8.212	167	16677	2.8733	ppm	98
82) Fluoranthene	9.286	202	991626	142.2337	ppm	98
86) Pyrene	9.548	202	1214260	136.7682	ppm	99
89) Benzo[a]anthracene	10.953	228	534388	65.1365	ppm	95
91) Chrysene	10.996	228	584874	73.9429	ppm	99
95) Benzo[b]fluoranthene	12.171	252	703979m	85.2324	ppm	
96) Benzo[k]fluoranthene	12.192	252	173804m	22.1928	ppm	
97) Benzo[a]pyrene	12.513	252	510408	73.0948	ppm	97
98) Indeno[1,2,3-cd]pyrene	13.822	276	283315	30.4707	ppm	95
100) Dibenz[a,h]anthracene	13.827	278	64338	8.5323	ppm	96
102) Benzo[g,h,i]perylene	14.174	276	286943	40.7606	ppm	98

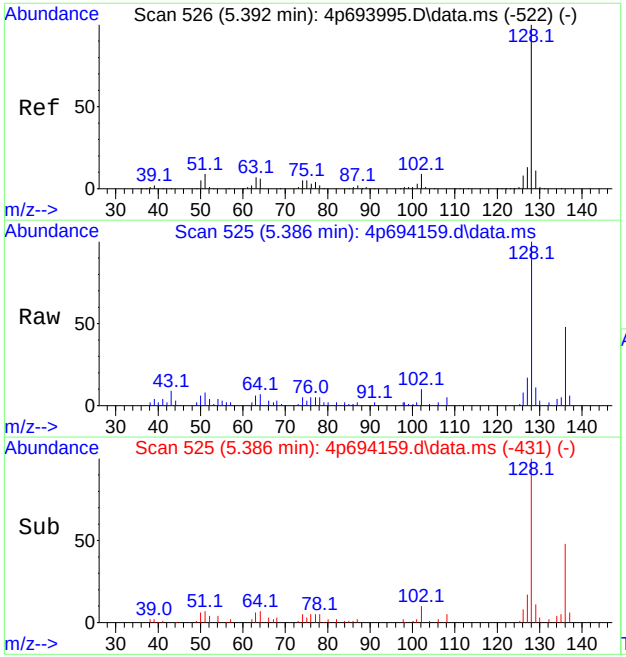
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\recheleb\E4P3703\
Data File : 4p694159.d
Acq On : 6 Dec 2024 7:04 pm
Operator : kaleigh
Sample : je1542-2 Inst : GCMS4P
Misc : op59876,e4p3703,30.04,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 08 10:25:10 2024
Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Sun Dec 08 08:17:46 2024
Response via : Initial Calibration

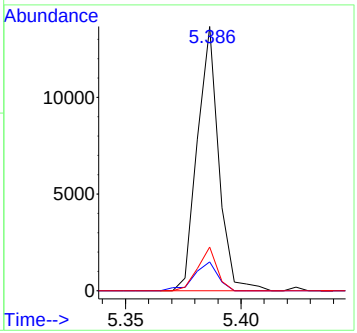


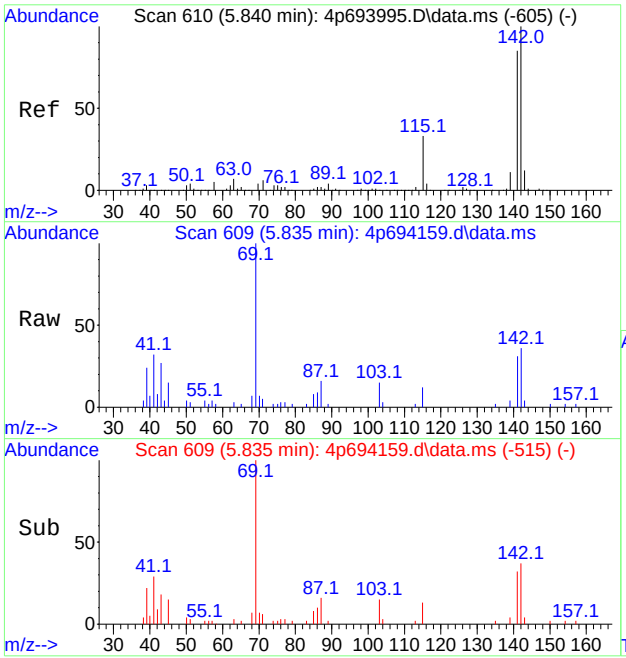


#38
Naphthalene
Concen: 1.3682 ppm
RT: 5.386 min Scan# 525
Delta R.T. -0.000 min
Lab File: 4p694159.d
Acq: 6 Dec 2024 7:04 pm

Tgt Ion:128 Resp: 8814

Ion	Ratio	Lower	Upper
128	100		
129	10.9	0.0	40.8
127	16.5	0.0	42.7

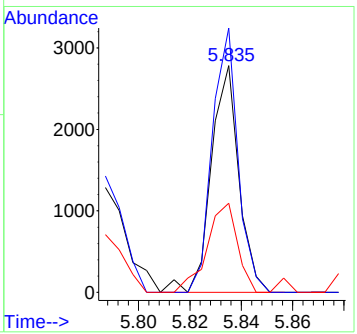


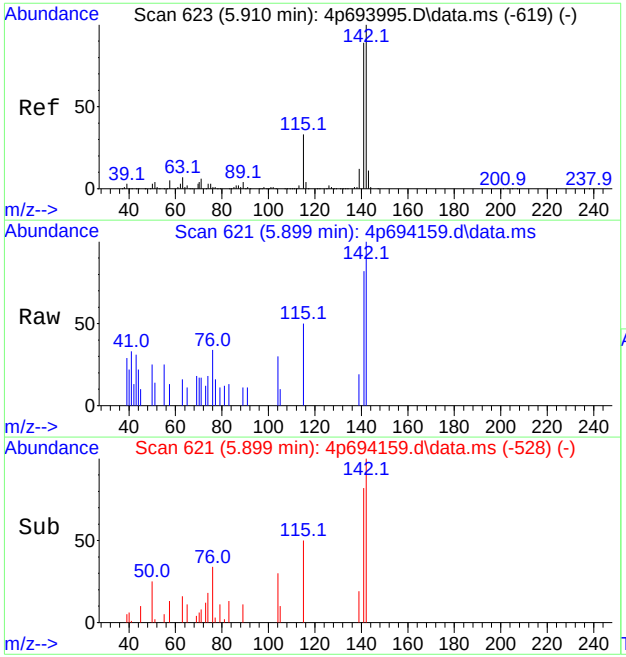


#44
2-Methylnaphthalene
Concen: 0.5388 ppm
RT: 5.835 min Scan# 609
Delta R.T. -0.000 min
Lab File: 4p694159.d
Acq: 6 Dec 2024 7:04 pm

Tgt Ion:141 Resp: 2102

Ion	Ratio	Lower	Upper
141	100		
142	116.6	84.2	144.2
115	36.2	7.8	67.8

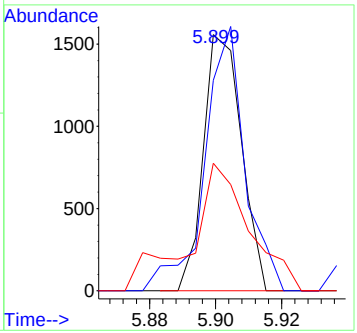


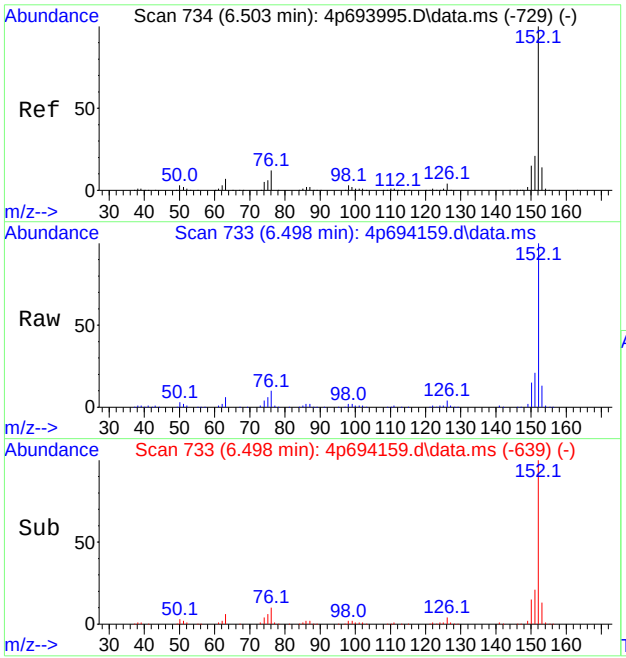


#45
1-Methylnaphthalene
Concen: 0.3025 ppm
RT: 5.899 min Scan# 621
Delta R.T. -0.006 min
Lab File: 4p694159.d
Acq: 6 Dec 2024 7:04 pm

Tgt Ion:142 Resp: 1252

Ion	Ratio	Lower	Upper
142	100		
141	77.2	55.0	115.0
115	37.5	3.5	63.5

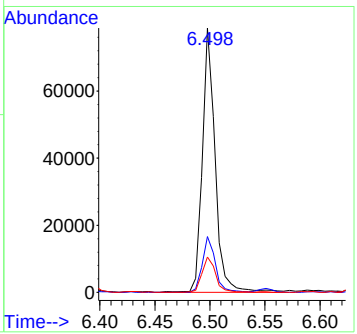


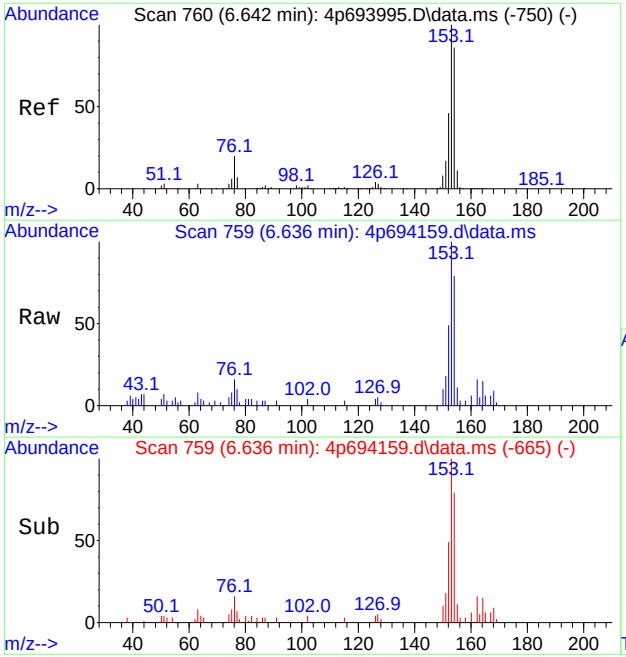


#56
Acenaphthylene
Concen: 11.5012 ppm
RT: 6.498 min Scan# 733
Delta R.T. -0.000 min
Lab File: 4p694159.d
Acq: 6 Dec 2024 7:04 pm

Tgt Ion:152 Resp: 64020

Ion	Ratio	Lower	Upper
152	100		
151	21.2	0.0	51.0
153	13.4	0.0	44.1

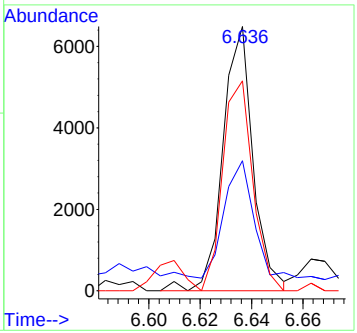


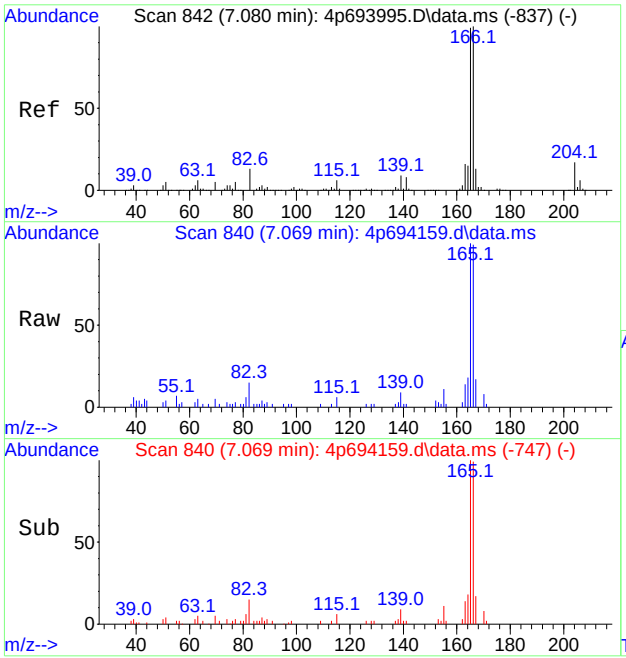


#59
Acenaphthene
Concen: 1.2423 ppm
RT: 6.636 min Scan# 759
Delta R.T. -0.000 min
Lab File: 4p694159.d
Acq: 6 Dec 2024 7:04 pm

Tgt Ion:153 Resp: 5284

Ion	Ratio	Lower	Upper
153	100		
152	43.7	17.0	77.0
154	75.9	51.7	111.7

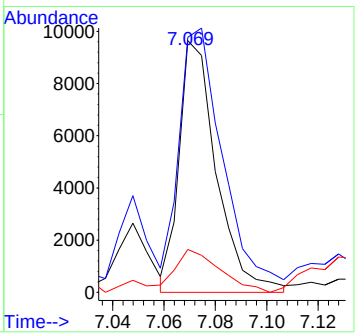


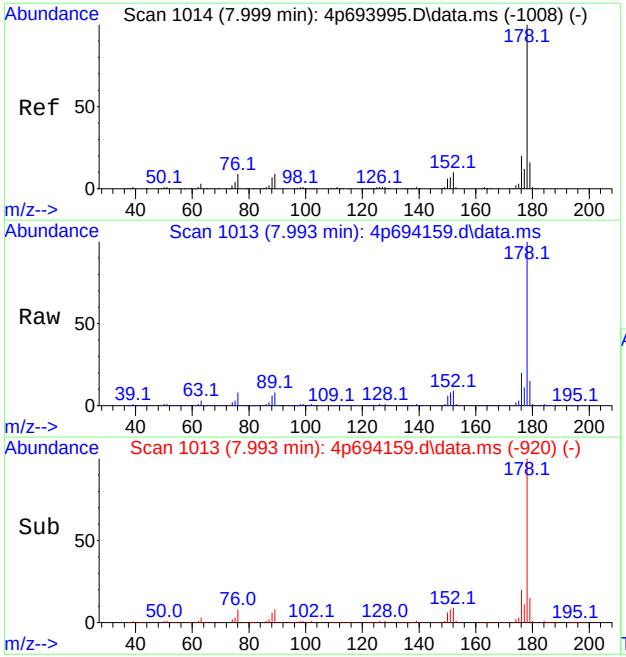


#66
Fluorene
Concen: 2.1228 ppm
RT: 7.069 min Scan# 840
Delta R.T. -0.006 min
Lab File: 4p694159.d
Acq: 6 Dec 2024 7:04 pm

Tgt Ion:166 Resp: 9780

Ion	Ratio	Lower	Upper
166	100		
165	98.5	70.1	130.1
167	15.3	0.0	43.7

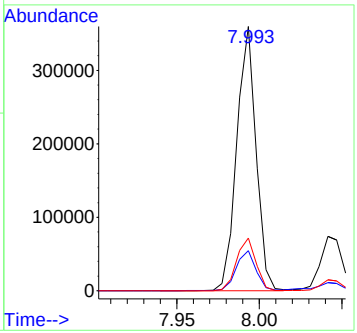


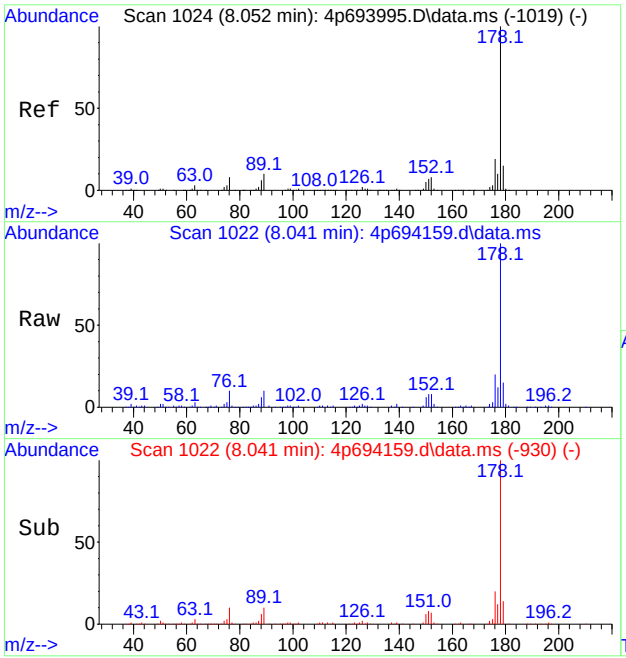


#78
Phenanthrene
Concen: 45.5188 ppm
RT: 7.993 min Scan# 1013
Delta R.T. -0.006 min
Lab File: 4p694159.d
Acq: 6 Dec 2024 7:04 pm

Tgt Ion:178 Resp: 292633

Ion	Ratio	Lower	Upper
178	100		
179	15.0	0.0	45.1
176	19.9	0.0	49.7

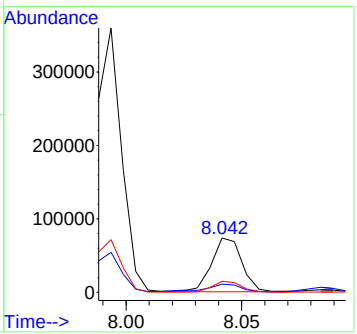


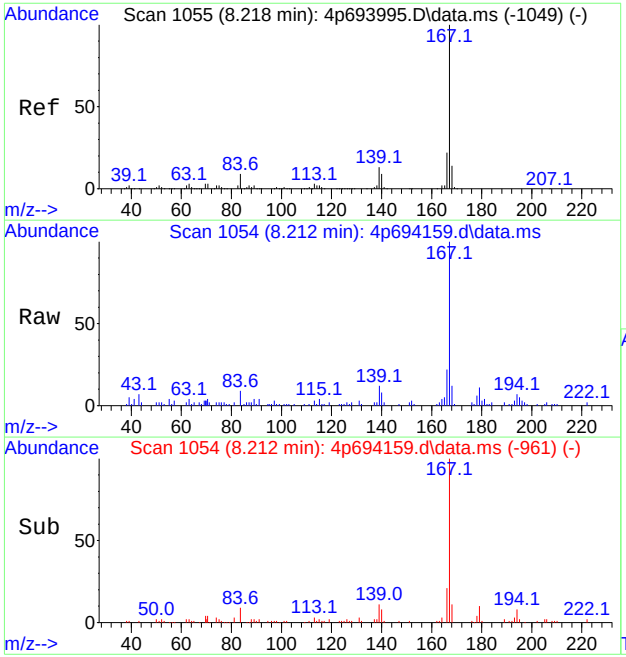


#79
Anthracene
Concen: 10.6531 ppm
RT: 8.041 min Scan# 1022
Delta R.T. -0.011 min
Lab File: 4p694159.d
Acq: 6 Dec 2024 7:04 pm

Tgt Ion:178 Resp: 67325

Ion	Ratio	Lower	Upper
178	100		
179	14.1	0.0	45.3
176	20.3	0.0	49.3

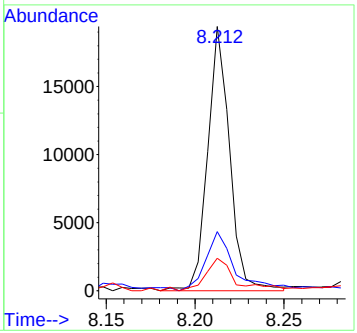


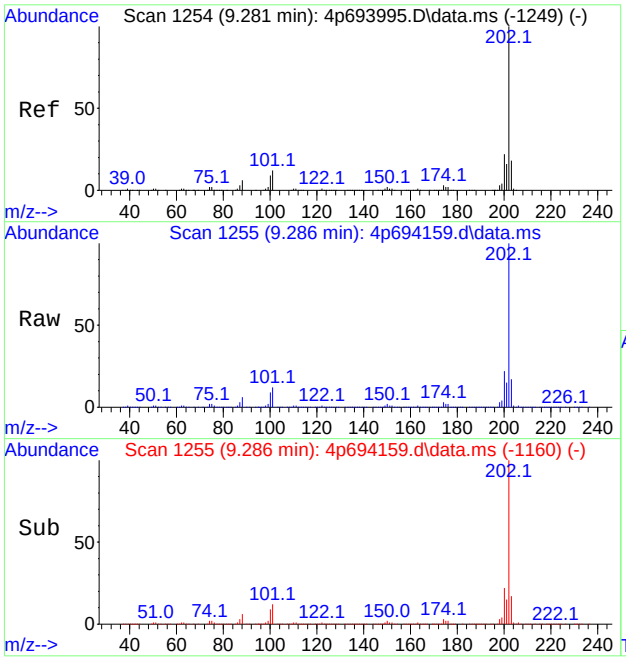


#80
Carbazole
Concen: 2.8733 ppm
RT: 8.212 min Scan# 1054
Delta R.T. -0.006 min
Lab File: 4p694159.d
Acq: 6 Dec 2024 7:04 pm

Tgt Ion:167 Resp: 16677

Ion	Ratio	Lower	Upper
167	100		
166	20.9	0.0	51.7
139	12.0	0.0	42.5

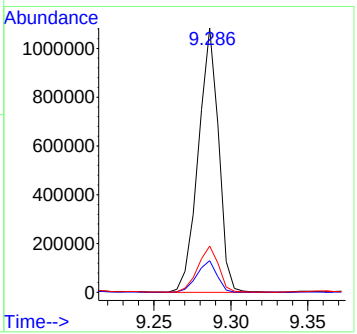


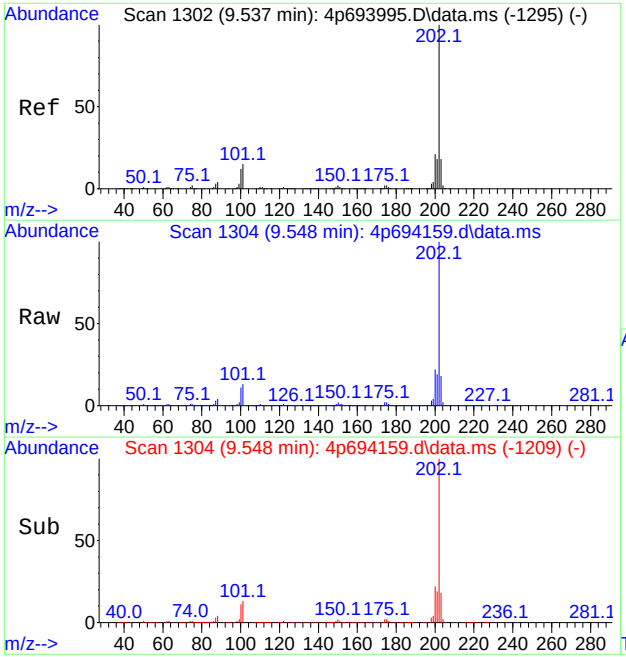


#82
Fluoranthene
Concen: 142.2337 ppm
RT: 9.286 min Scan# 1255
Delta R.T. 0.005 min
Lab File: 4p694159.d
Acq: 6 Dec 2024 7:04 pm

Tgt Ion:202 Resp: 991626

Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	43.3
203	17.4	0.0	48.2

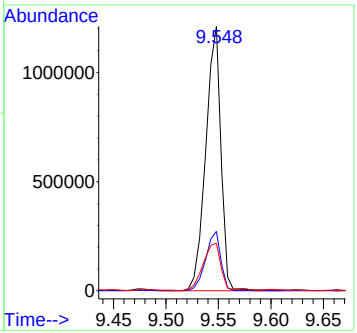


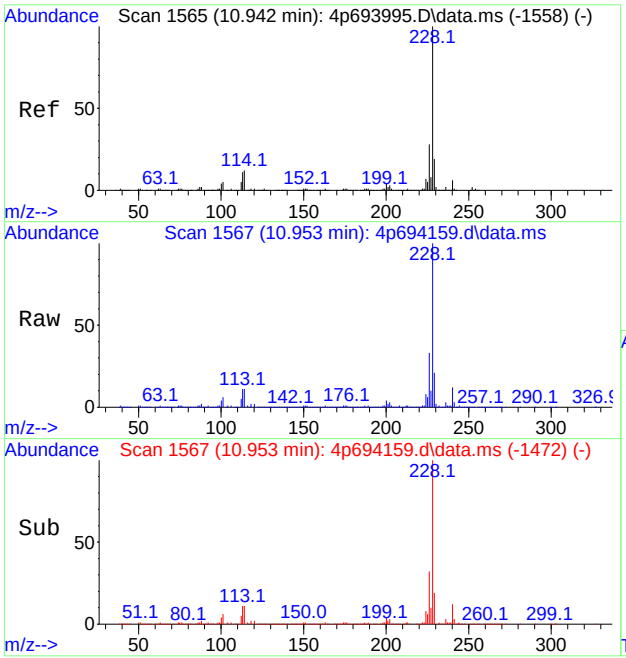


#86
Pyrene
Concen: 136.7682 ppm
RT: 9.548 min Scan# 1304
Delta R.T. 0.005 min
Lab File: 4p694159.d
Acq: 6 Dec 2024 7:04 pm

Tgt Ion:202 Resp: 1214260

Ion	Ratio	Lower	Upper
202	100		
200	22.4	0.0	52.1
203	17.8	0.0	47.5

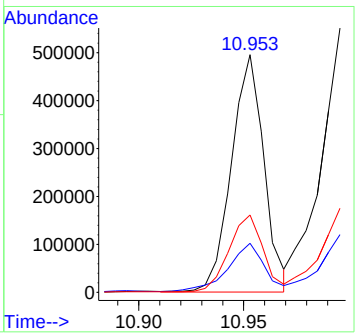


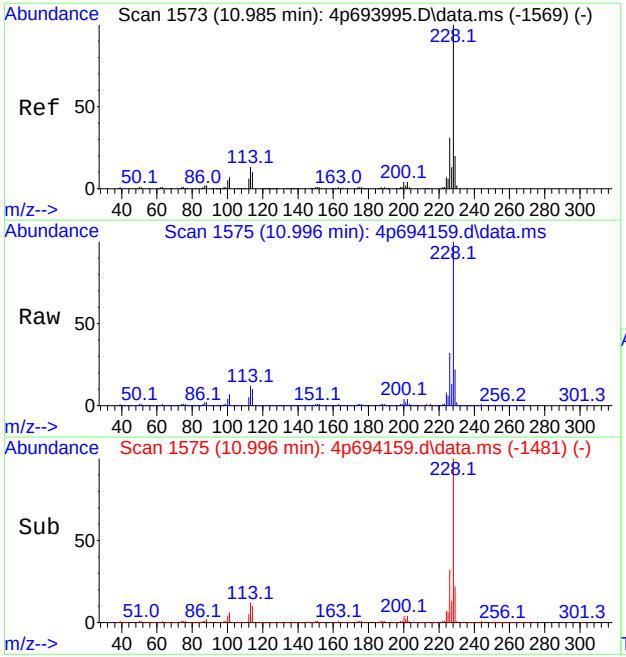


#89
Benzo[a]anthracene
Concen: 65.1365 ppm
RT: 10.953 min Scan# 1567
Delta R.T. 0.005 min
Lab File: 4p694159.d
Acq: 6 Dec 2024 7:04 pm

Tgt Ion:228 Resp: 534388

Ion	Ratio	Lower	Upper
228	100		
229	20.0	0.0	49.7
226	32.4	0.0	58.6

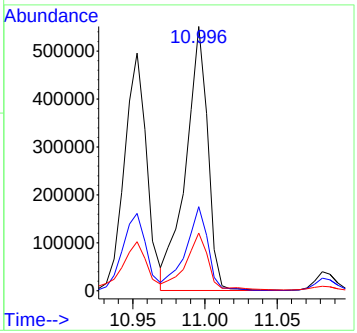


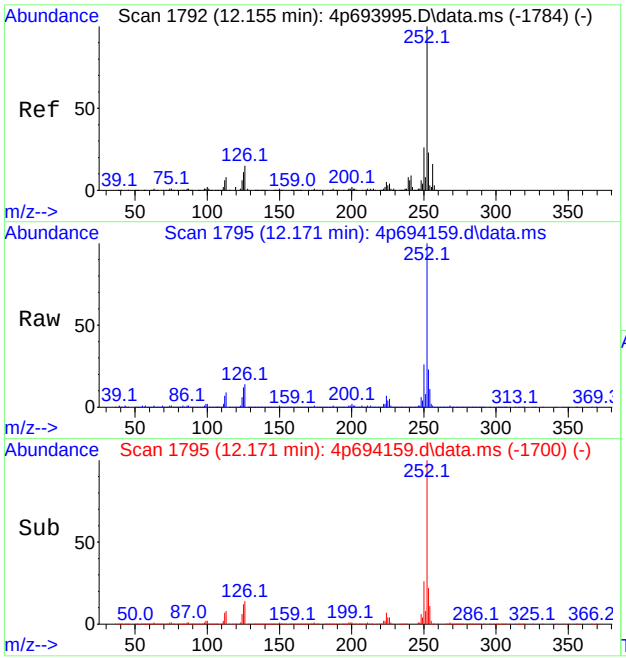


#91
Chrysene
Concen: 73.9429 ppm
RT: 10.996 min Scan# 1575
Delta R.T. -0.000 min
Lab File: 4p694159.d
Acq: 6 Dec 2024 7:04 pm

Tgt Ion:228 Resp: 584874

Ion	Ratio	Lower	Upper
228	100		
226	31.6	1.6	61.6
229	21.4	0.0	50.0

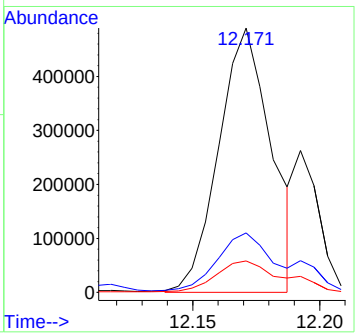


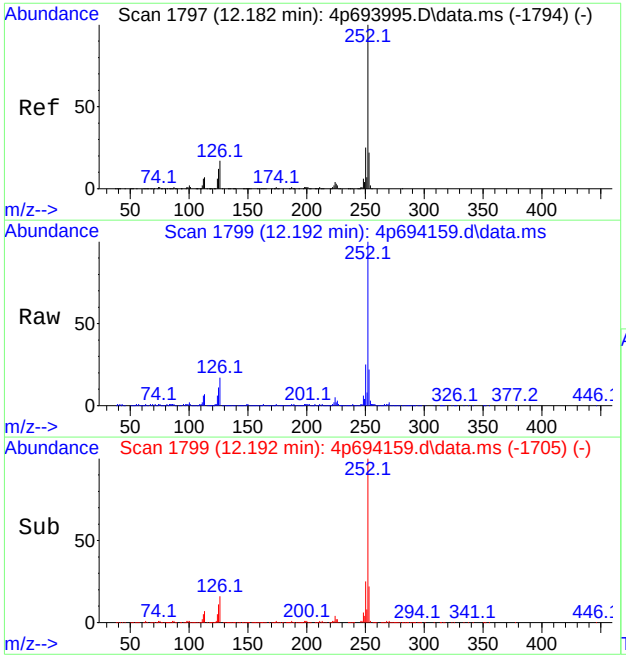


#95
Benzo[b]fluoranthene
Concen: 85.2324 ppm m
RT: 12.171 min Scan# 1795
Delta R.T. 0.005 min
Lab File: 4p694159.d
Acq: 6 Dec 2024 7:04 pm

Tgt Ion:252 Resp: 703979

Ion	Ratio	Lower	Upper
252	100		
253	22.5	0.0	52.2
125	11.9	0.0	41.9

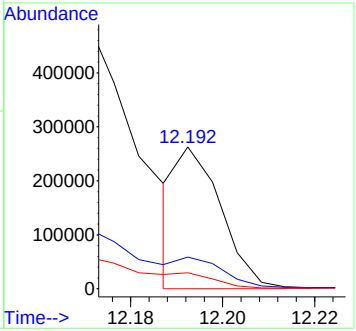


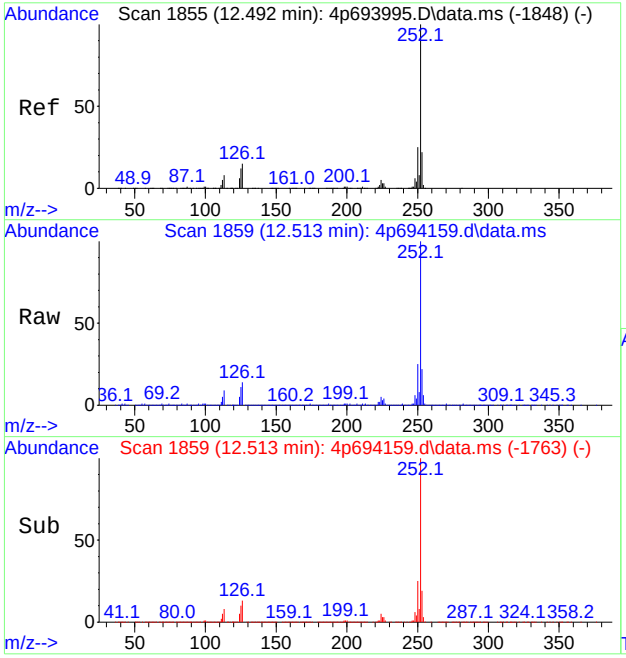


#96
Benzo[k]fluoranthene
Concen: 22.1928 ppm m
RT: 12.192 min Scan# 1799
Delta R.T. -0.000 min
Lab File: 4p694159.d
Acq: 6 Dec 2024 7:04 pm

Tgt Ion:252 Resp: 173804

Ion	Ratio	Lower	Upper
252	100		
253	22.3	0.0	51.9
125	11.4	0.0	41.8

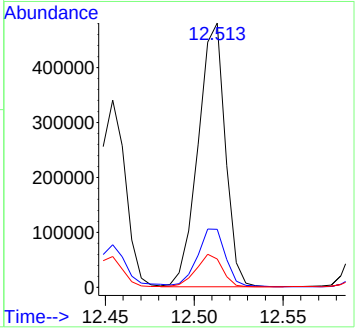


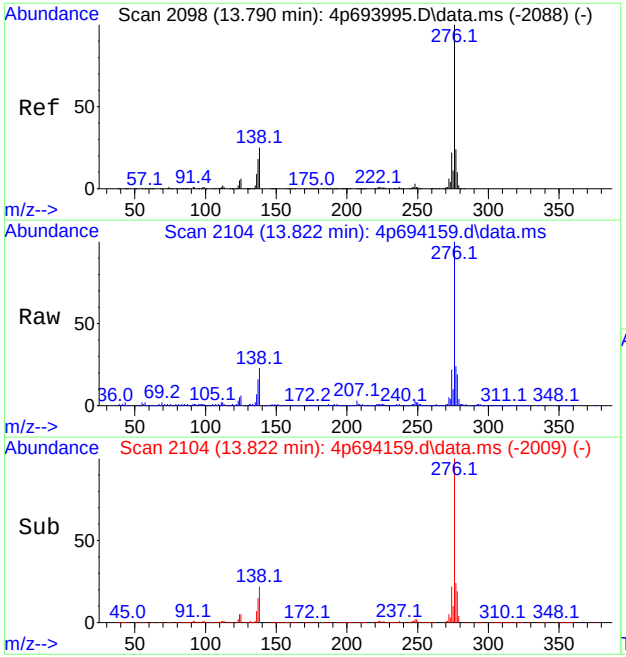


#97
Benzo[a]pyrene
Concen: 73.0948 ppm
RT: 12.513 min Scan# 1859
Delta R.T. 0.011 min
Lab File: 4p694159.d
Acq: 6 Dec 2024 7:04 pm

Tgt Ion:252 Resp: 510408

Ion	Ratio	Lower	Upper
252	100		
253	21.4	0.0	52.0
125	10.5	0.0	43.3

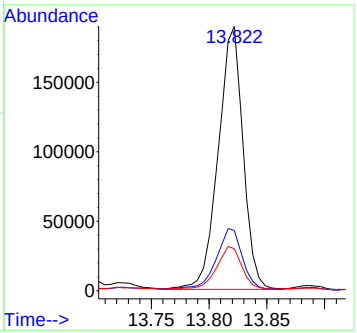


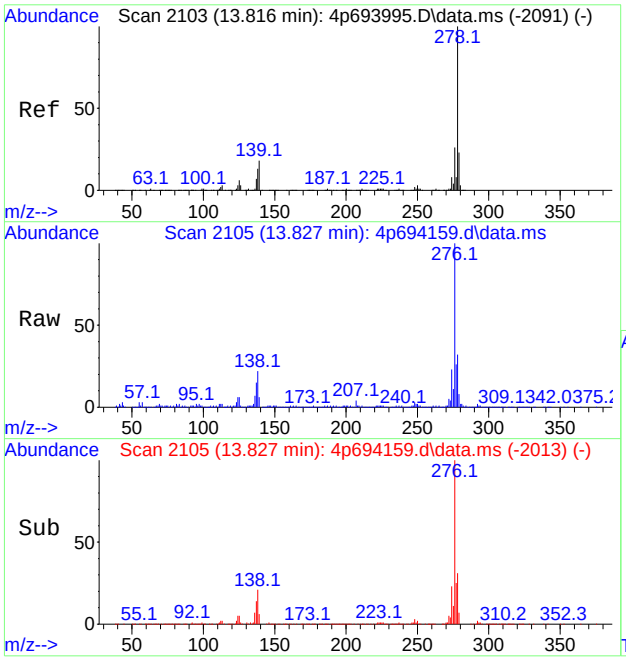


#98
Indeno[1,2,3-cd]pyrene
Concen: 30.4707 ppm
RT: 13.822 min Scan# 2104
Delta R.T. 0.005 min
Lab File: 4p694159.d
Acq: 6 Dec 2024 7:04 pm

Tgt Ion:276 Resp: 283315

Ion	Ratio	Lower	Upper
276	100		
138	22.3	0.0	55.0
137	15.4	0.0	47.6

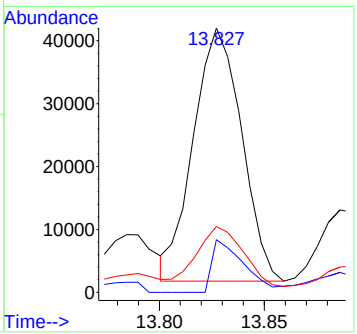


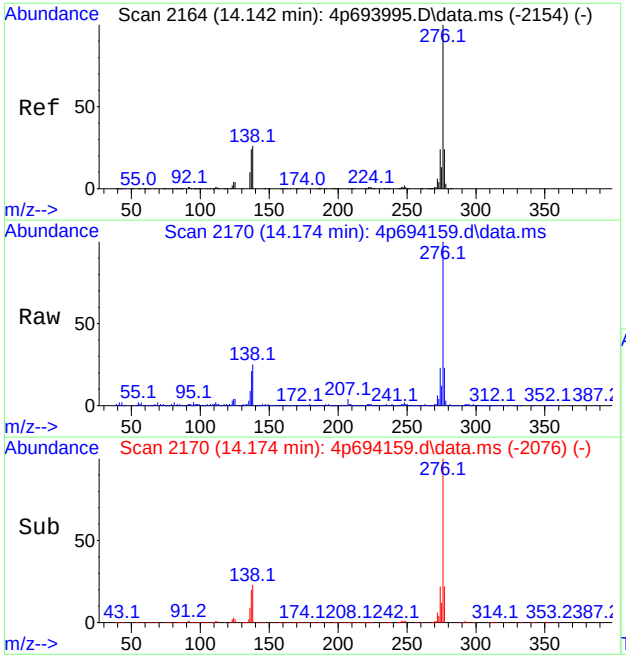


#100
Dibenz[a,h]anthracene
Concen: 8.5323 ppm
RT: 13.827 min Scan# 2105
Delta R.T. -0.011 min
Lab File: 4p694159.d
Acq: 6 Dec 2024 7:04 pm

Tgt Ion:278 Resp: 64338

Ion	Ratio	Lower	Upper
278	100		
139	20.7	0.0	48.0
279	23.5	0.0	52.2

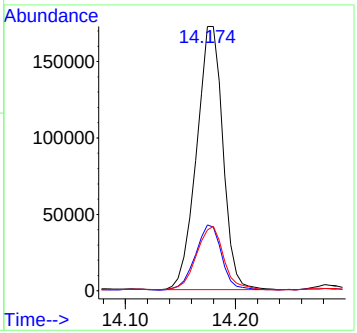




#102
Benzo[g,h,i]perylene
Concen: 40.7606 ppm
RT: 14.174 min Scan# 2170
Delta R.T. -0.000 min
Lab File: 4p694159.d
Acq: 6 Dec 2024 7:04 pm

Tgt Ion:276 Resp: 286943

Ion	Ratio	Lower	Upper
276	100		
138	24.7	0.0	55.7
277	22.7	0.0	53.4



Manual Integrations APPROVED (compounds with "m" flag)
Jon Kreigmor Mamanta 12/18/24 07:17

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\altheam\e6p4336\
Data File : 6p519553.d
Acq On : 17 Dec 2024 4:36 pm
Operator : anthonyo
Sample : je1542-3t Inst : GCMS6P
Misc : op60221,e6p4336,30.0,,,1,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 18 07:09:32 2024
Quant Method : X:\Dayton SVOA GCMS\altheam\method\M6P4256.M
Quant Title : Semi Volatile GC/MS,zb-5msplus30m x .25mm x .25um
QLast Update : Wed Dec 18 06:35:30 2024
Response via : Initial Calibration

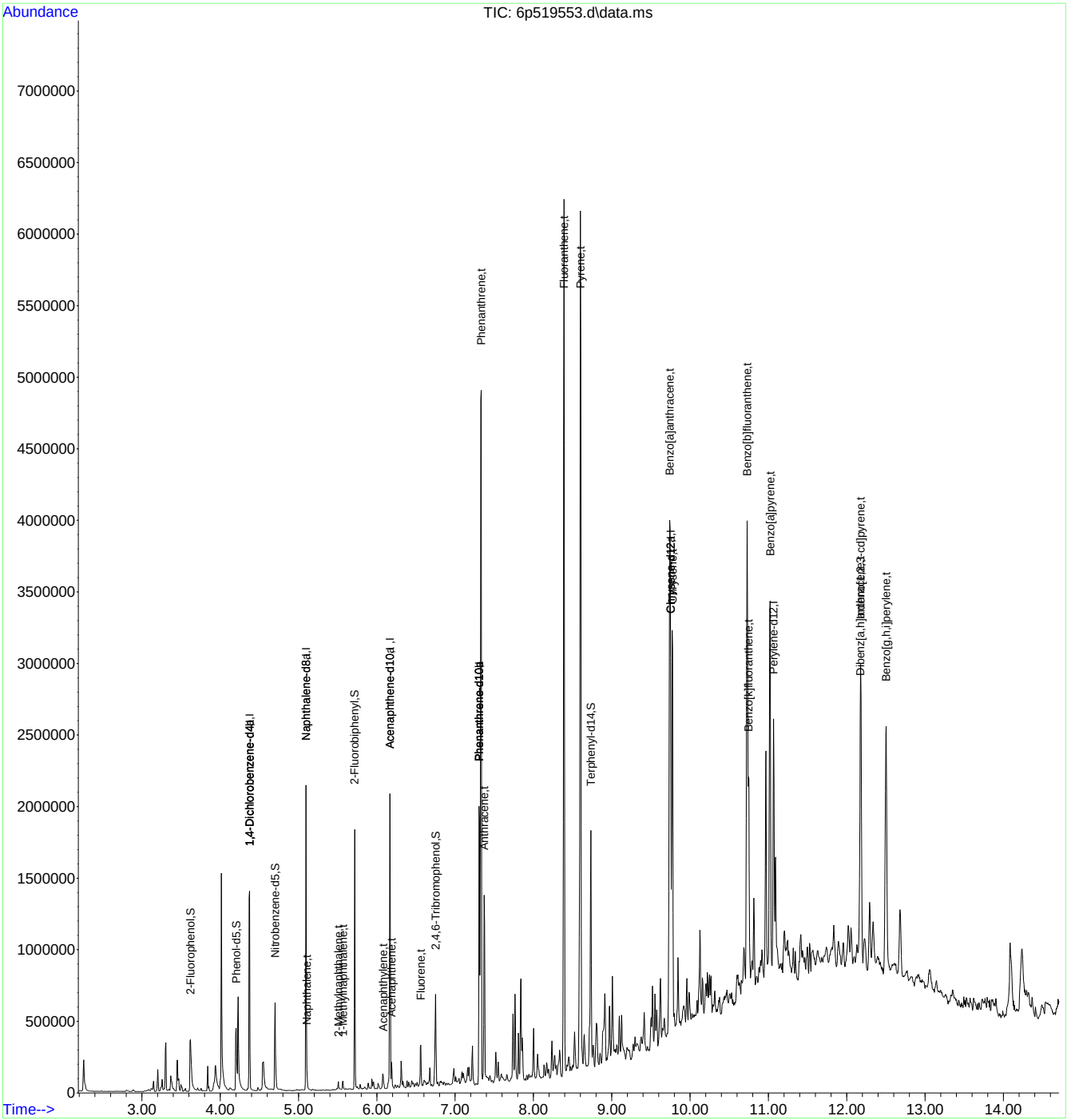
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.375	152	169527	40.00	ppm	0.00
24) Naphthalene-d8	5.097	136	635810	40.00	ppm	0.00
46) Acenaphthene-d10	6.166	164	315843	40.00	ppm	0.00
69) Phenanthrene-d10	7.306	188	661145	40.00	ppm	0.00
84) Chrysene-d12	9.750	240	628205	40.00	ppm	0.00
93) Perylene-d12	11.066	264	644165	40.00	ppm	0.00
103) 1,4-Dichlorobenzene-d4a	4.375	152	169527	40.00	ppm	0.00
105) Phenanthrene-d10a	7.306	188	661145	40.00	ppm	0.00
107) Naphthalene-d8a	5.097	136	635810	40.00	ppm	0.00
109) 1,4-Dichlorobenzene-d4b	4.375	152	169527	40.00	ppm	0.00
112) Acenaphthene-d10a	6.166	164	315843	40.00	ppm	0.00
114) Phenanthrene-d10b	7.306	188	661145	40.00	ppm	# 0.00
117) Chrysene-d12a	9.750	240	628205	40.00	ppm	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.620	112	139785	24.86	ppm	0.01
Spiked Amount 50.000			Recovery =	49.72%		
8) Phenol-d5	4.203	99	179513	24.23	ppm	0.01
Spiked Amount 50.000			Recovery =	48.46%		
25) Nitrobenzene-d5	4.701	82	170682	27.33	ppm	0.00
Spiked Amount 50.000			Recovery =	54.66%		
51) 2-Fluorobiphenyl	5.717	172	374880	36.35	ppm	0.00
Spiked Amount 50.000			Recovery =	72.70%		
74) 2,4,6-Tribromophenol	6.749	330	66830	34.22	ppm	0.00
Spiked Amount 50.000			Recovery =	68.44%		
87) Terphenyl-d14	8.734	244	489299	30.24	ppm	0.00
Spiked Amount 50.000			Recovery =	60.48%		
115) 1-chlorooctadecane	0.000	57	0d	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
116) o-terphenyl	0.000	230	0d	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
38) Naphthalene	5.107	128	25681	1.5503	ppm	98
44) 2-Methylnaphthalene	5.508	141	9446	0.9771	ppm	98
45) 1-Methylnaphthalene	5.567	141	12163	1.3130	ppm	91
56) Acenaphthylene	6.081	152	39906	3.3743	ppm	96
59) Acenaphthene	6.188	153	33527	3.4003	ppm	97
66) Fluorene	6.562	166	72189m	6.8608	ppm	
78) Phenanthrene	7.332	178	1698985	96.6986	ppm	100
79) Anthracene	7.370	178	465223	26.5299	ppm	99
82) Fluoranthene	8.391	202	2219465	115.9622	ppm	100
86) Pyrene	8.600	202	2338712	110.5175	ppm	100
89) Benzo[a]anthracene	9.739	228	1232930	58.7936	ppm	98
91) Chrysene	9.777	228	964036	48.3462	ppm	98
95) Benzo[b]fluoranthene	10.729	252	1414196m	70.6234	ppm	
96) Benzo[k]fluoranthene	10.745	252	471807m	26.1357	ppm	
97) Benzo[a]pyrene	11.023	252	1113320	69.7886	ppm	98
98) Indeno[1,2,3-cd]pyrene	12.178	276	1054436	47.8545	ppm	93
100) Dibenz[a,h]anthracene	12.173	278	237499	13.1625	ppm	96
102) Benzo[g,h,i]perylene	12.504	276	1045662	61.8607	ppm	97

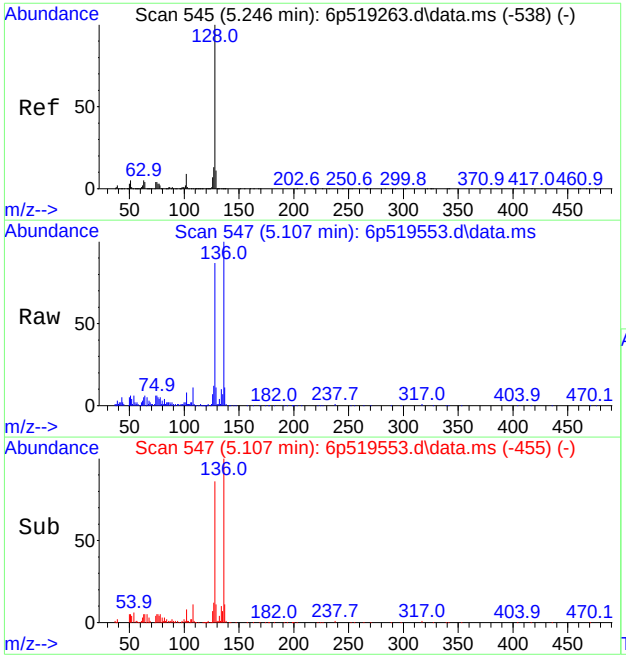
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\altheam\e6p4336\
Data File : 6p519553.d
Acq On : 17 Dec 2024 4:36 pm
Operator : anthonyo
Sample : je1542-3t Inst : GCMS6P
Misc : op60221,e6p4336,30.0,,,1,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 18 07:09:32 2024
Quant Method : X:\Dayton SVOA GCMS\altheam\method\M6P4256.M
Quant Title : Semi Volatile GC/MS,zb-5msplus30m x .25mm x .25um
QLast Update : Wed Dec 18 06:35:30 2024
Response via : Initial Calibration

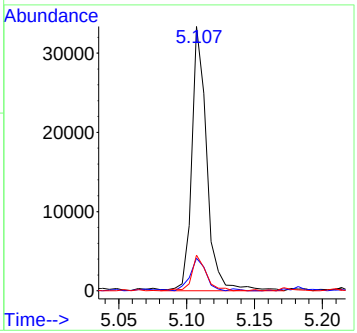


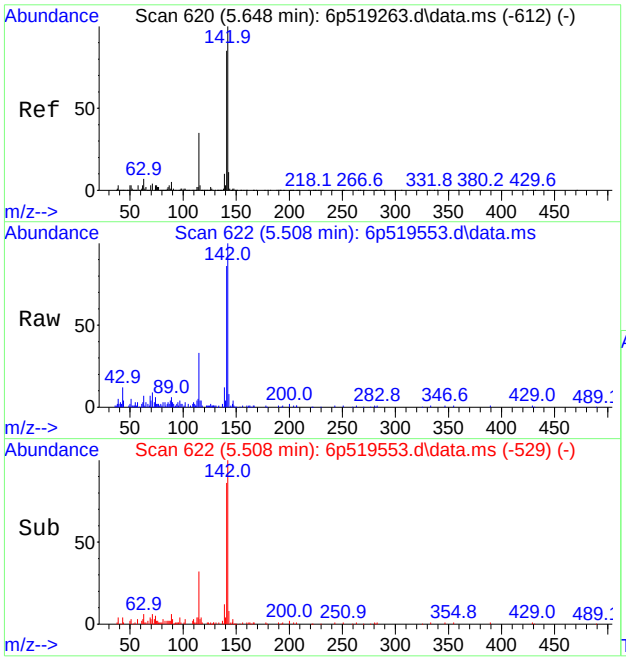


#38
Naphthalene
Concen: 1.5503 ppm
RT: 5.107 min Scan# 547
Delta R.T. -0.005 min
Lab File: 6p519553.d
Acq: 17 Dec 2024 4:36 pm

Tgt Ion:128 Resp: 25681

Ion	Ratio	Lower	Upper
128	100		
129	11.7	0.0	40.5
127	12.8	0.0	43.2

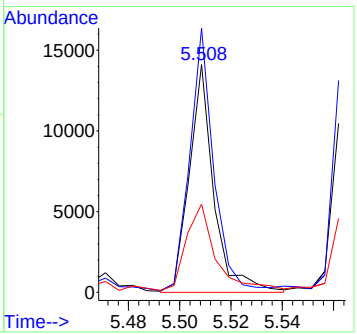


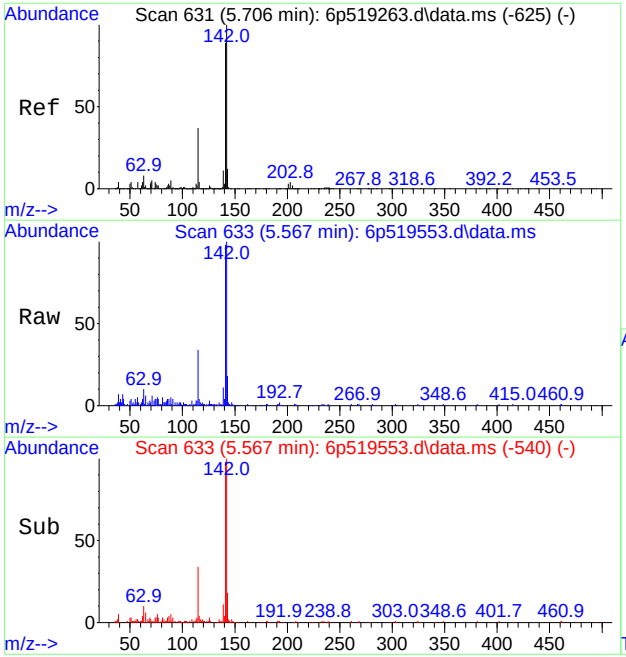


#44
2-Methylnaphthalene
Concen: 0.9771 ppm
RT: 5.508 min Scan# 622
Delta R.T. 0.000 min
Lab File: 6p519553.d
Acq: 17 Dec 2024 4:36 pm

Tgt Ion:141 Resp: 9446

Ion	Ratio	Lower	Upper
141	100		
142	115.3	86.9	146.9
115	37.4	5.9	65.9

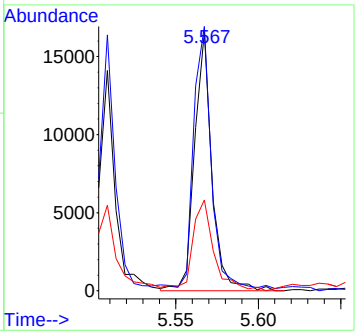


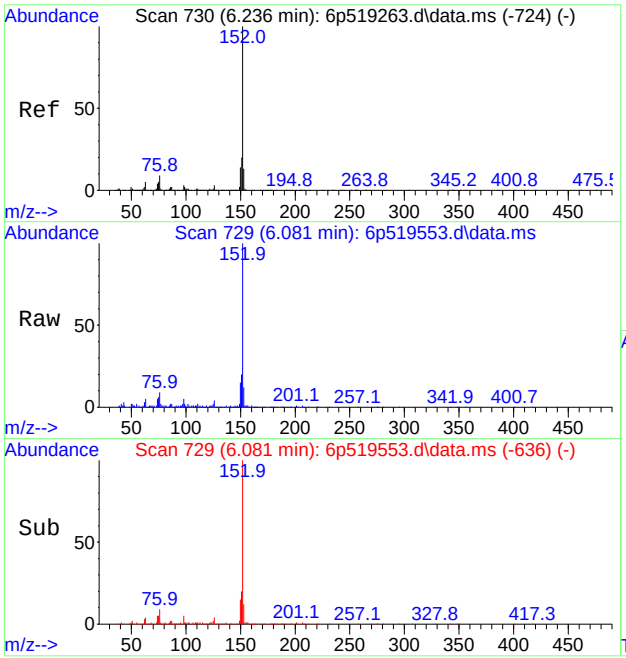


#45
1-Methylnaphthalene
Concen: 1.3130 ppm
RT: 5.567 min Scan# 633
Delta R.T. 0.000 min
Lab File: 6p519553.d
Acq: 17 Dec 2024 4:36 pm

Tgt Ion:141 Resp: 12163

Ion	Ratio	Lower	Upper
141	100		
142	100.8	81.4	141.4
115	33.3	7.3	67.3

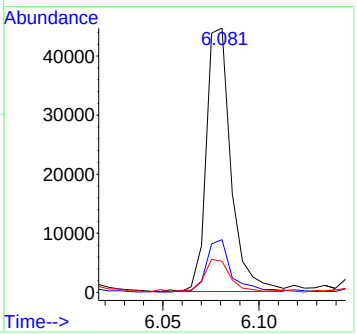


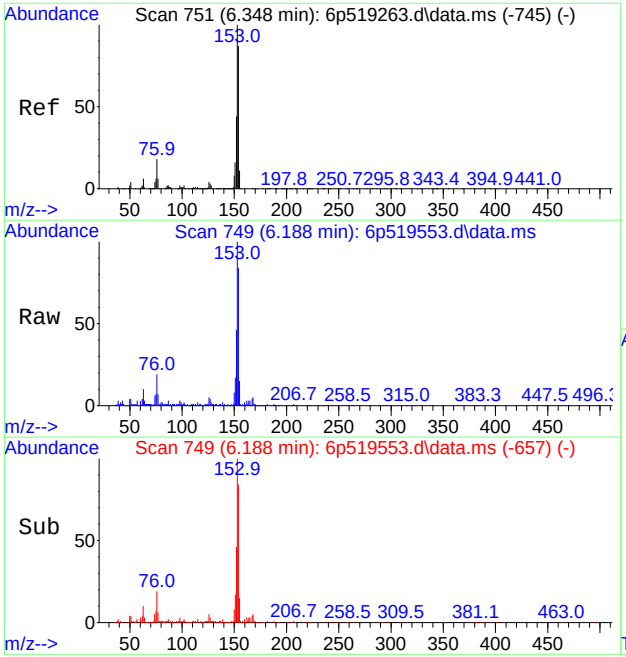


#56
Acenaphthylene
Concen: 3.3743 ppm
RT: 6.081 min Scan# 729
Delta R.T. 0.000 min
Lab File: 6p519553.d
Acq: 17 Dec 2024 4:36 pm

Tgt Ion:152 Resp: 39906

Ion	Ratio	Lower	Upper
152	100		
151	19.8	0.0	50.9
153	10.9	0.0	43.2

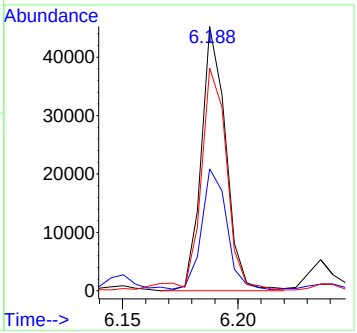


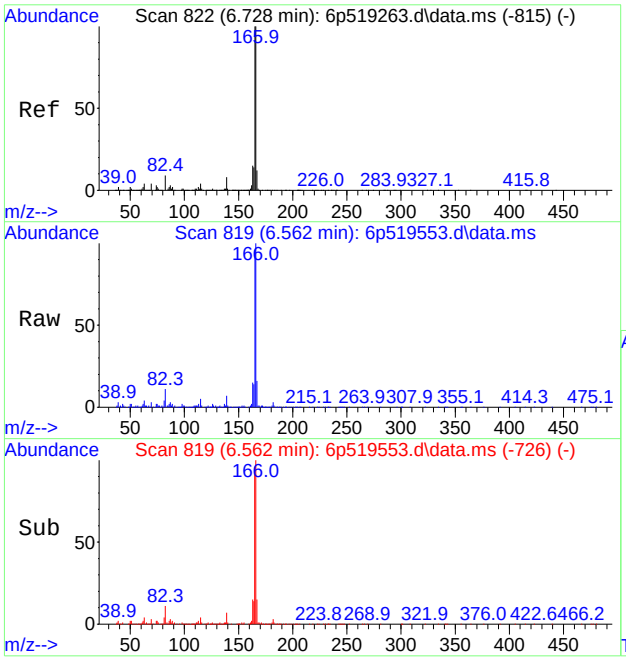


#59
Acenaphthene
Concen: 3.4003 ppm
RT: 6.188 min Scan# 749
Delta R.T. -0.005 min
Lab File: 6p519553.d
Acq: 17 Dec 2024 4:36 pm

Tgt Ion:153 Resp: 33527

Ion	Ratio	Lower	Upper
153	100		
152	45.2	12.9	72.9
154	83.0	55.3	115.3

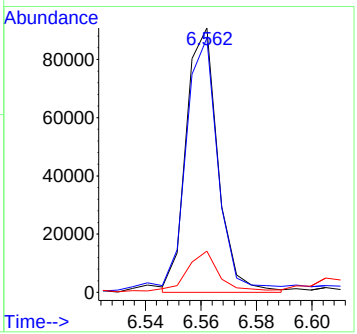


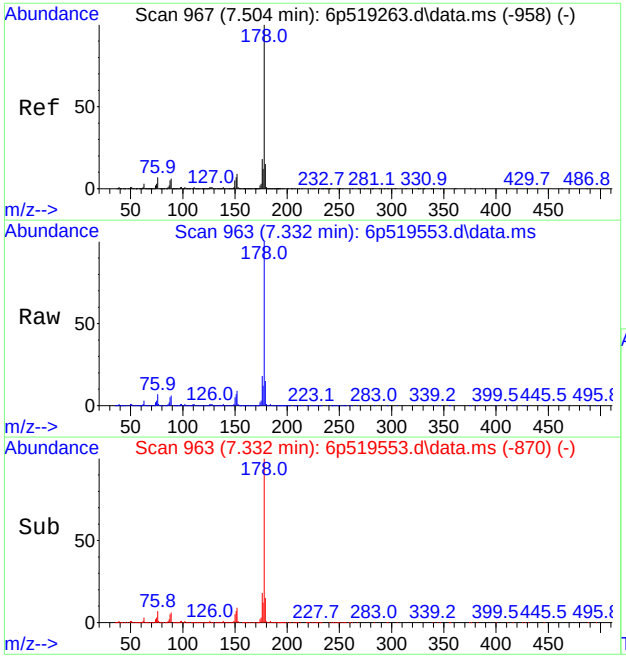


#66
Fluorene
Concen: 6.8608 ppm m
RT: 6.562 min Scan# 819
Delta R.T. 0.000 min
Lab File: 6p519553.d
Acq: 17 Dec 2024 4:36 pm

Tgt Ion:166 Resp: 72189

Ion	Ratio	Lower	Upper
166	100		
165	96.1	66.4	126.4
167	15.6	0.0	42.5

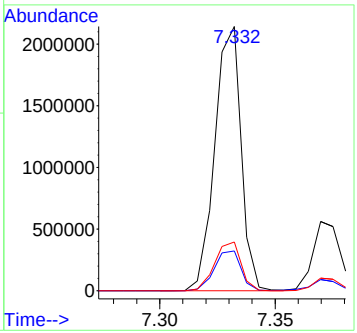


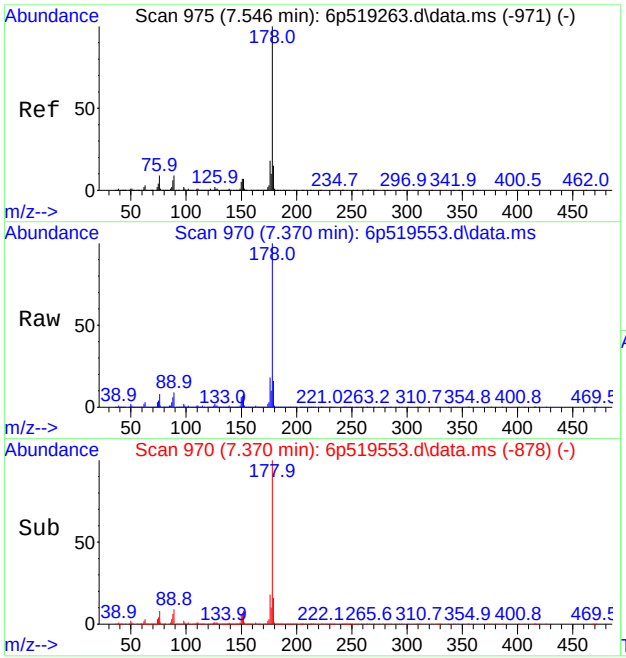


#78
Phenanthrene
Concen: 96.6986 ppm
RT: 7.332 min Scan# 963
Delta R.T. 0.000 min
Lab File: 6p519553.d
Acq: 17 Dec 2024 4:36 pm

Tgt Ion:178 Resp: 1698985

Ion	Ratio	Lower	Upper
178	100		
179	15.0	0.0	44.9
176	18.4	0.0	48.6

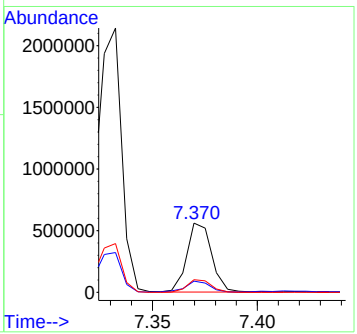


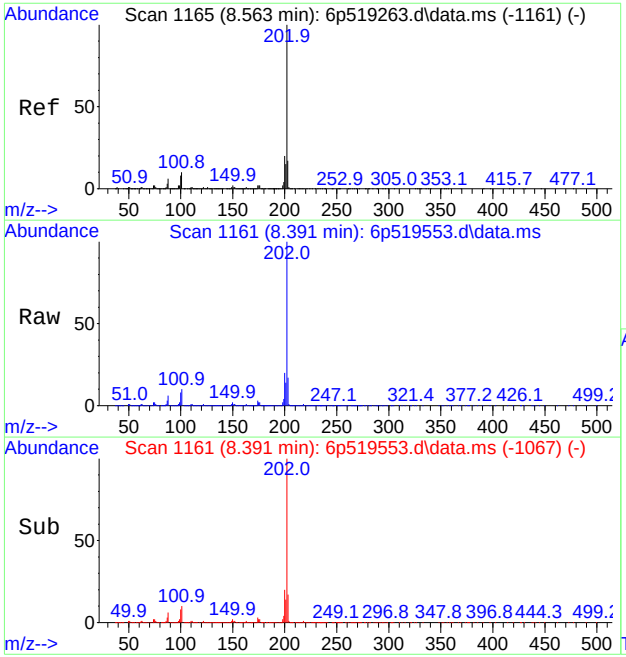


#79
Anthracene
Concen: 26.5299 ppm
RT: 7.370 min Scan# 970
Delta R.T. -0.005 min
Lab File: 6p519553.d
Acq: 17 Dec 2024 4:36 pm

Tgt Ion:178 Resp: 465223

Ion	Ratio	Lower	Upper
178	100		
179	15.1	0.0	46.0
176	18.1	0.0	48.2

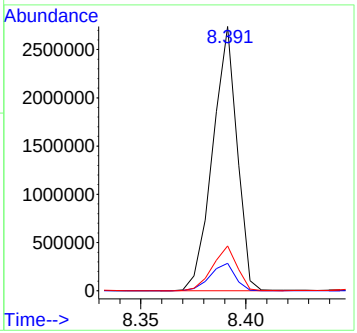


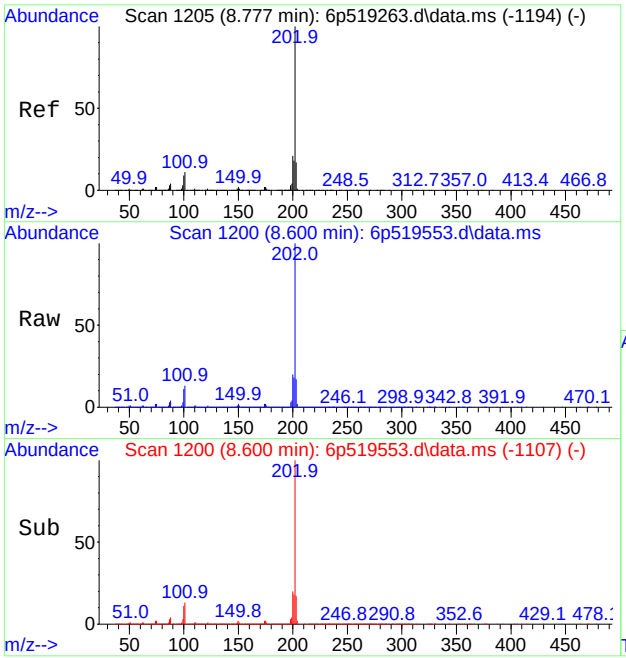


#82
Fluoranthene
Concen: 115.9622 ppm
RT: 8.391 min Scan# 1161
Delta R.T. 0.005 min
Lab File: 6p519553.d
Acq: 17 Dec 2024 4:36 pm

Tgt Ion:202 Resp: 2219465

Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	40.4
203	17.0	0.0	46.8

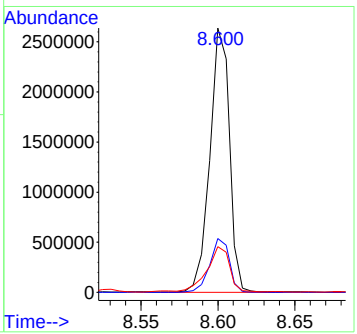


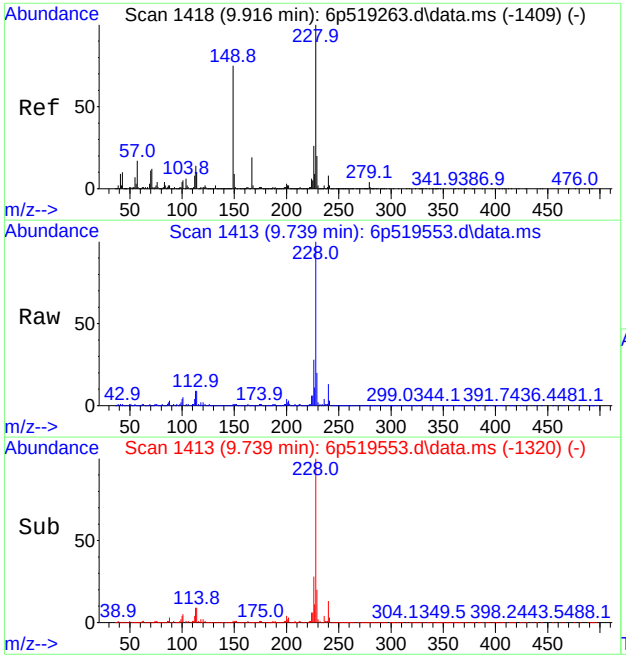


#86
Pyrene
Concen: 110.5175 ppm
RT: 8.600 min Scan# 1200
Delta R.T. 0.000 min
Lab File: 6p519553.d
Acq: 17 Dec 2024 4:36 pm

Tgt Ion:202 Resp: 2338712

Ion	Ratio	Lower	Upper
202	100		
200	20.3	0.0	50.1
203	17.0	0.0	46.8

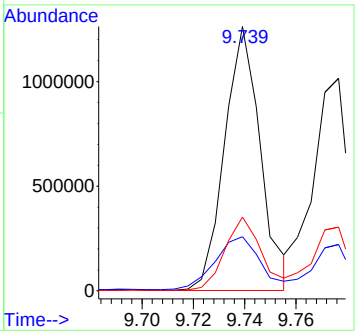


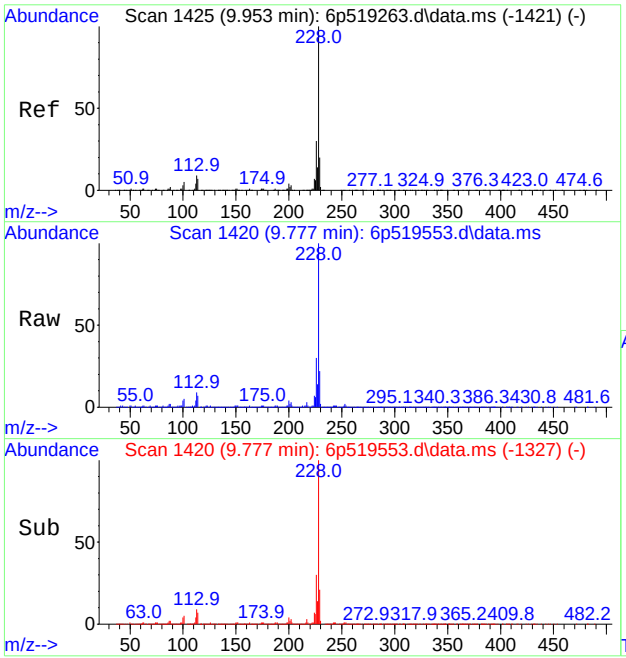


#89
Benzo[a]anthracene
Concen: 58.7936 ppm
RT: 9.739 min Scan# 1413
Delta R.T. 0.000 min
Lab File: 6p519553.d
Acq: 17 Dec 2024 4:36 pm

Tgt Ion:228 Resp: 1232930

Ion	Ratio	Lower	Upper
228	100		
229	19.8	0.0	49.1
226	27.3	0.0	55.8

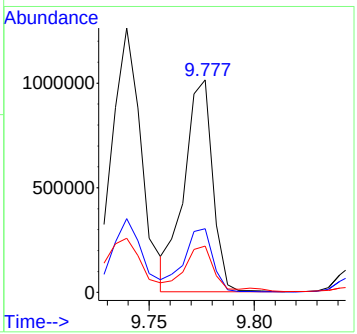


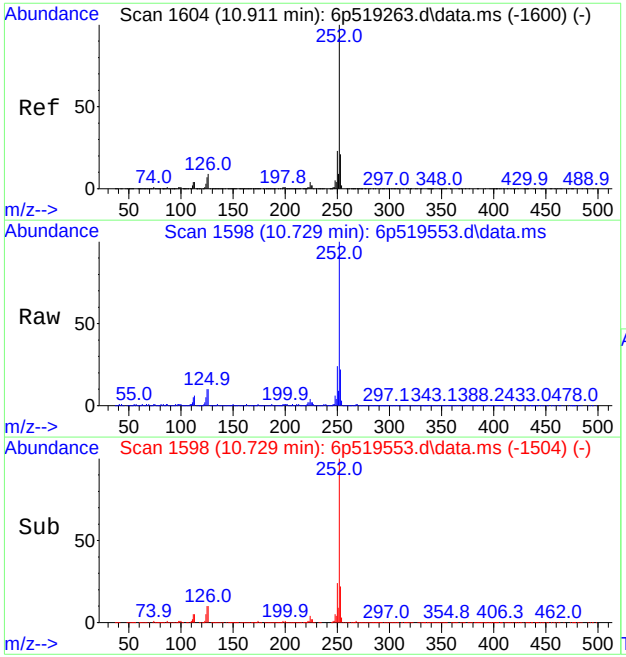


#91
Chrysene
Concen: 48.3462 ppm
RT: 9.777 min Scan# 1420
Delta R.T. 0.000 min
Lab File: 6p519553.d
Acq: 17 Dec 2024 4:36 pm

Tgt Ion:228 Resp: 964036

Ion	Ratio	Lower	Upper
228	100		
226	29.3	0.0	58.8
229	21.2	0.0	49.2

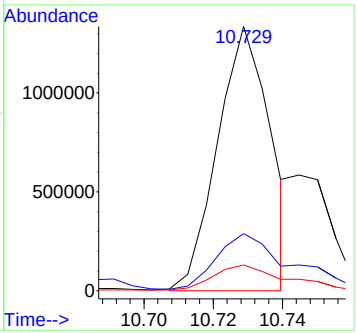


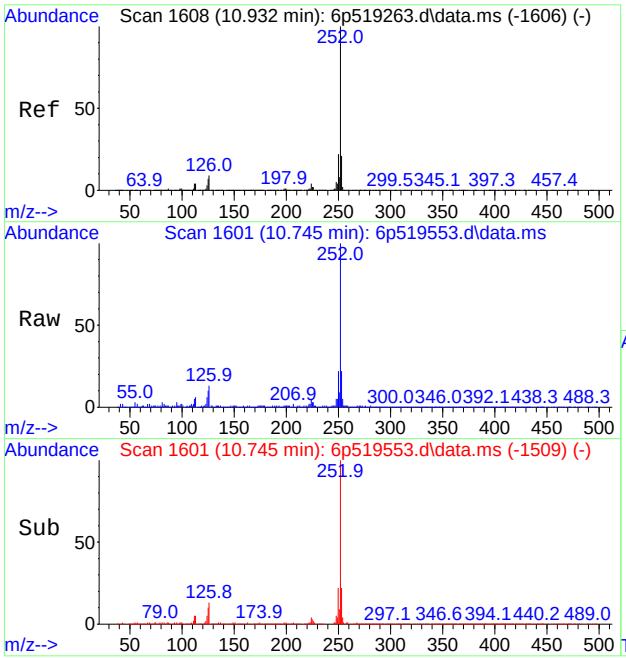


#95
Benzo[b]fluoranthene
Concen: 70.6234 ppm m
RT: 10.729 min Scan# 1598
Delta R.T. 0.005 min
Lab File: 6p519553.d
Acq: 17 Dec 2024 4:36 pm

Tgt Ion:252 Resp: 1414196

Ion	Ratio	Lower	Upper
252	100		
253	21.7	0.0	51.7
125	9.7	0.0	39.7

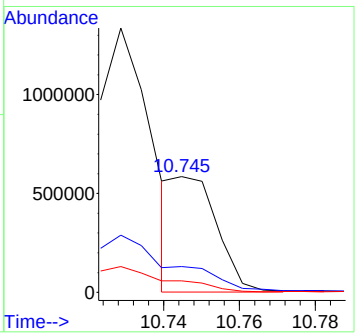


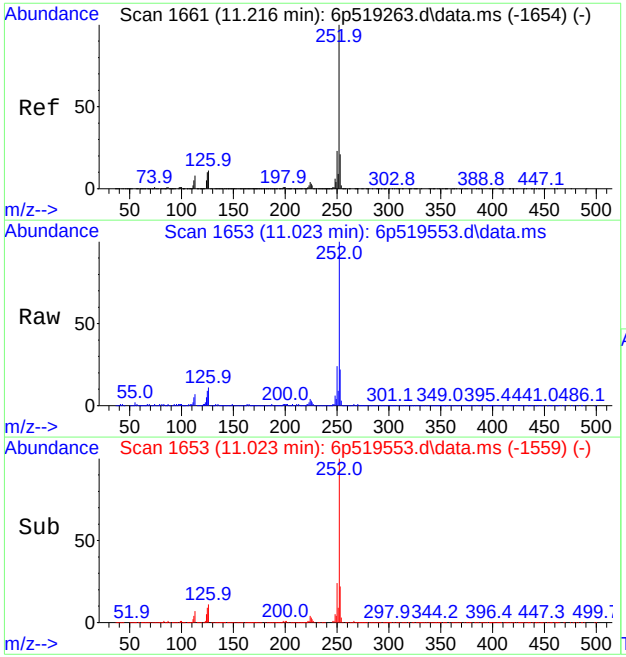


#96
Benzo[k]fluoranthene
Concen: 26.1357 ppm m
RT: 10.745 min Scan# 1601
Delta R.T. -0.005 min
Lab File: 6p519553.d
Acq: 17 Dec 2024 4:36 pm

Tgt Ion:252 Resp: 471807

Ion	Ratio	Lower	Upper
252	100		
253	22.3	0.0	51.4
125	10.0	0.0	37.8

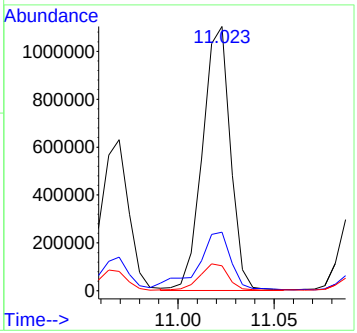


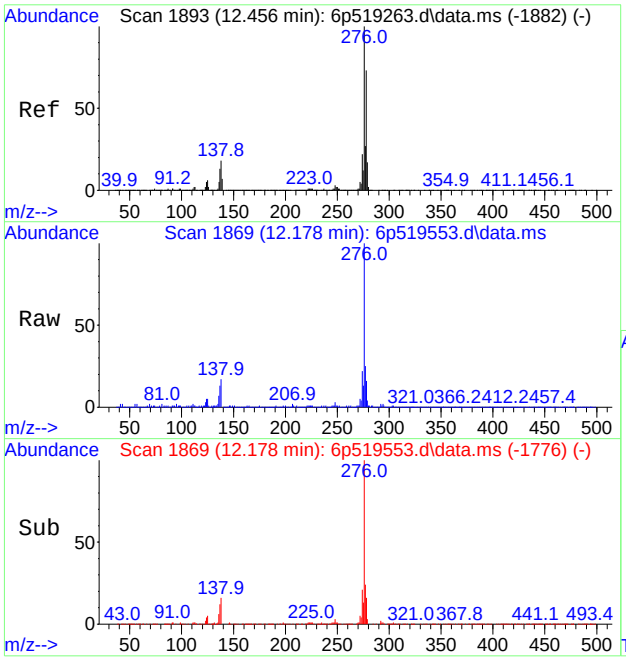


#97
Benzo[a]pyrene
Concen: 69.7886 ppm
RT: 11.023 min Scan# 1653
Delta R.T. 0.005 min
Lab File: 6p519553.d
Acq: 17 Dec 2024 4:36 pm

Tgt Ion:252 Resp: 1113320

Ion	Ratio	Lower	Upper
252	100		
253	20.6	0.0	51.0
125	9.2	0.0	37.9

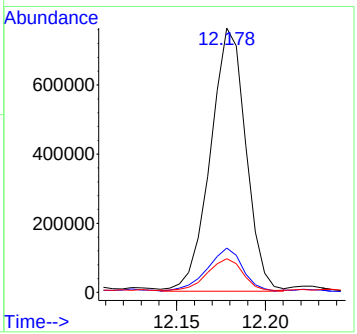


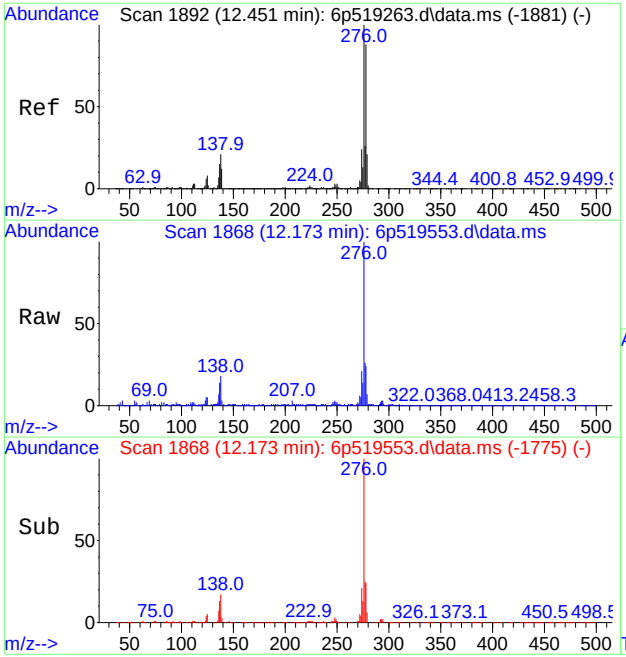


#98
Indeno[1,2,3-cd]pyrene
Concen: 47.8545 ppm
RT: 12.178 min Scan# 1869
Delta R.T. 0.000 min
Lab File: 6p519553.d
Acq: 17 Dec 2024 4:36 pm

Tgt Ion:276 Resp: 1054436

Ion	Ratio	Lower	Upper
276	100		
138	16.3	0.0	49.9
137	12.1	0.0	44.3

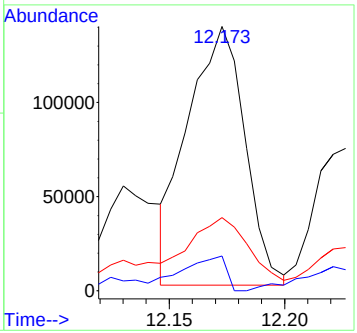


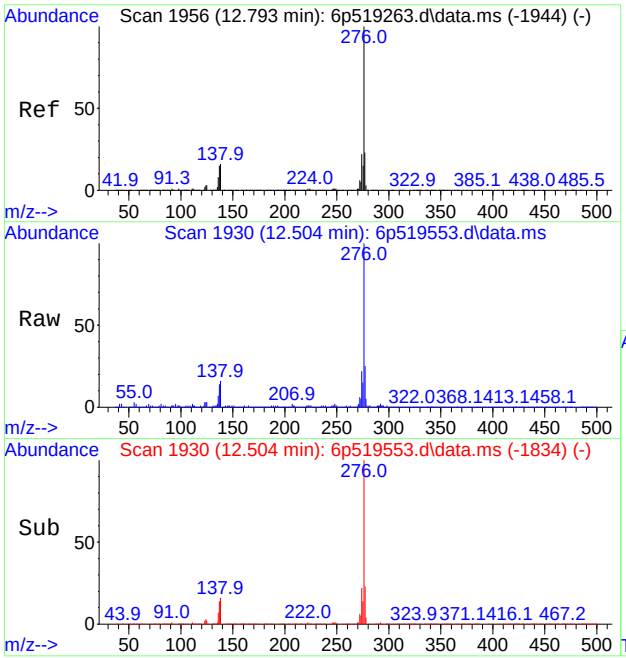


#100
Dibenz[a,h]anthracene
Concen: 13.1625 ppm
RT: 12.173 min Scan# 1868
Delta R.T. 0.000 min
Lab File: 6p519553.d
Acq: 17 Dec 2024 4:36 pm

Tgt Ion:278 Resp: 237499

Ion	Ratio	Lower	Upper
278	100		
139	11.9	0.0	42.8
279	25.4	0.0	53.3

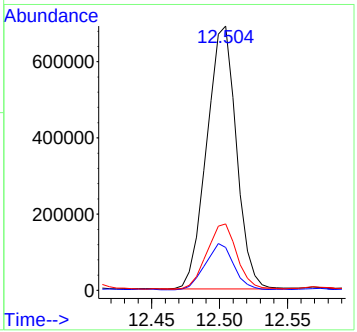




#102
Benzo[g,h,i]perylene
Concen: 61.8607 ppm
RT: 12.504 min Scan# 1930
Delta R.T. 0.016 min
Lab File: 6p519553.d
Acq: 17 Dec 2024 4:36 pm

Tgt Ion:276 Resp: 1045662

Ion	Ratio	Lower	Upper
276	100		
138	15.9	0.0	47.9
277	24.7	0.0	53.6



Manual Integrations APPROVED (compounds with "m" flag)
Jacky Takeuchi 12/09/24 22:15

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\recheleb\E4P3703\
Data File : 4p694160.d
Acq On : 6 Dec 2024 7:27 pm
Operator : kaleigh
Sample : je1542-4 Inst : GCMS4P
Misc : op59876,e4p3703,30.2,,,1,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 08 10:38:55 2024
Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Sun Dec 08 08:17:46 2024
Response via : Initial Calibration

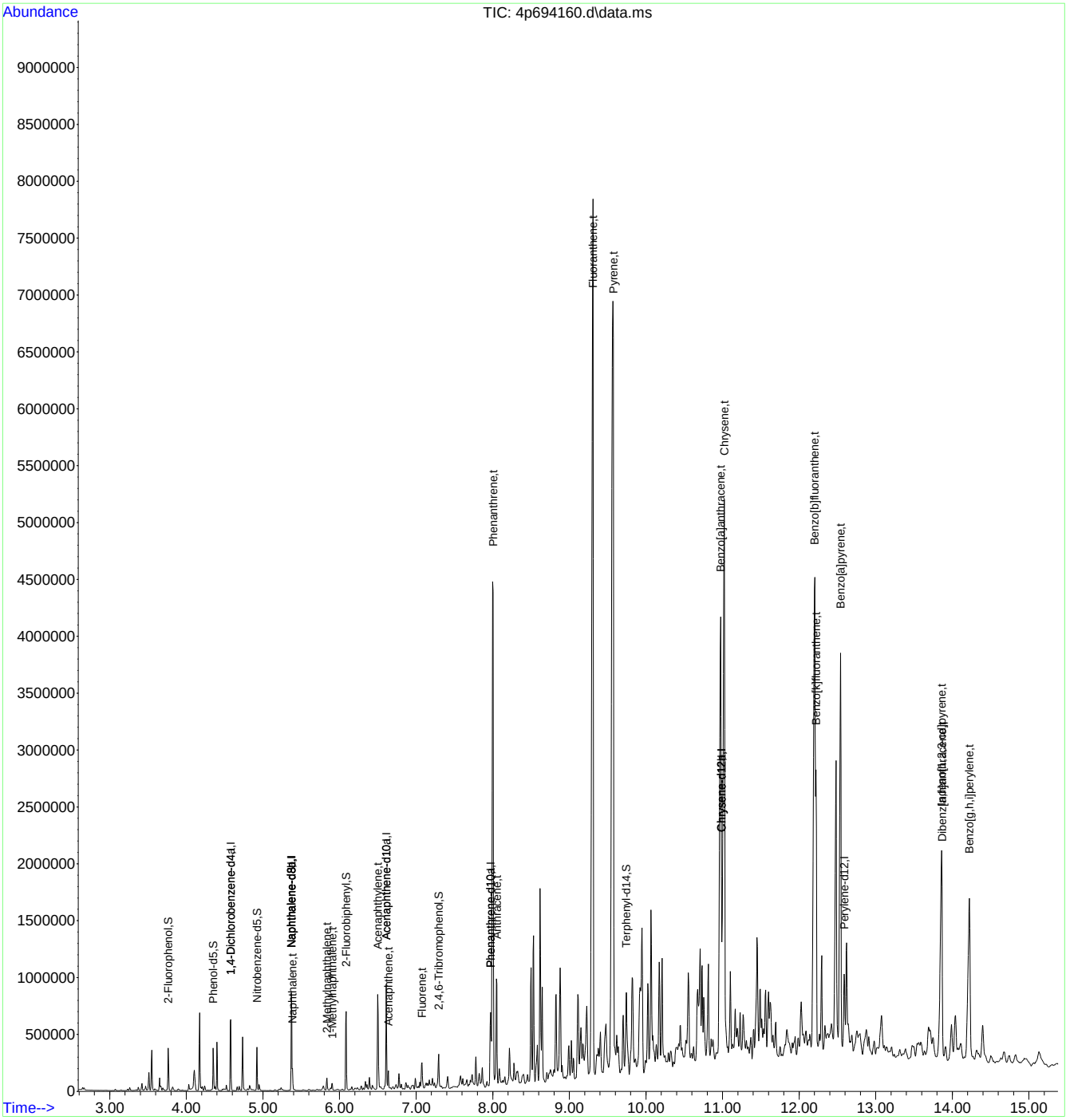
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.580	152	77922	40.00	ppm	0.00
24) Naphthalene-d8	5.371	136	282011	40.00	ppm	0.00
46) Acenaphthene-d10	6.610	164	154298	40.00	ppm	0.00
69) Phenanthrene-d10	7.972	188	260817	40.00	ppm	0.00
84) Chrysene-d12	10.985	240	309286	40.00	ppm	0.03
93) Perylene-d12	12.588	264	269380	40.00	ppm	0.03
103) 1,4-Dichlorobenzene-d4a	4.580	152	77922	40.00	ppm	0.00
105) Acenaphthene-d10a	6.610	164	154298	40.00	ppm	0.00
107) Chrysene-d12a	10.985	240	309286	40.00	ppm	0.03
109) Phenanthrene-d10a	7.972	188	260817	40.00	ppm	0.00
111) Naphthalene-d8a	5.371	136	282011	40.00	ppm	0.00
113) Chrysene-d12b	10.985	240	309286	40.00	ppm	0.03
115) Naphthalene-d8b	5.371	136	282011	40.00	ppm	0.00
118) Naphthalene-d8c	5.371	136	282011	40.00	ppm	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.763	112	69683	32.53	ppm	0.00
Spiked Amount 50.000			Recovery =	65.06%		
8) Phenol-d5	4.350	99	85906	30.49	ppm	0.00
Spiked Amount 50.000			Recovery =	60.98%		
25) Nitrobenzene-d5	4.922	82	78306	31.35	ppm	0.00
Spiked Amount 50.000			Recovery =	62.70%		
51) 2-Fluorobiphenyl	6.087	172	175421	33.39	ppm	0.00
Spiked Amount 50.000			Recovery =	66.78%		
74) 2,4,6-Tribromophenol	7.294	330	20372	31.00	ppm	0.00
Spiked Amount 50.000			Recovery =	62.00%		
87) Terphenyl-d14	9.741	244	233333	30.33	ppm	0.01
Spiked Amount 50.000			Recovery =	60.66%		
108) 1-chlorooctadecane	0.000	57	0d	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
110) o-terphenyl	0.000	230	0d	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
38) Naphthalene	5.387	128	52123	7.0688	ppm	99
44) 2-Methylnaphthalene	5.835	141	14025	3.1407	ppm	98
45) 1-Methylnaphthalene	5.905	142	13608	2.8726	ppm	95
56) Acenaphthylene	6.498	152	329956	52.4566	ppm	100
59) Acenaphthene	6.637	153	32302	6.7205	ppm	96
66) Fluorene	7.075	166	65340	12.5505	ppm	99
78) Phenanthrene	8.004	178	1824047	249.8611	ppm	99
79) Anthracene	8.052	178	368984	51.4165	ppm	98
82) Fluoranthene	9.308	202	4300805	543.2494	ppm	98
86) Pyrene	9.575	202	4665984	428.7708	ppm	98
89) Benzo[a]anthracene	10.975	228	1961034	195.0121	ppm	95
91) Chrysene	11.023	228	2327546	240.0717	ppm	98
95) Benzo[b]fluoranthene	12.198	252	2619709m	314.1743	ppm	
96) Benzo[k]fluoranthene	12.219	252	628157m	79.4497	ppm	
97) Benzo[a]pyrene	12.540	252	1563338	221.7657	ppm	99
98) Indeno[1,2,3-cd]pyrene	13.859	276	1035154	110.2785	ppm	98
100) Dibenz[a,h]anthracene	13.865	278	302394	39.7230	ppm	97
102) Benzo[g,h,i]perylene	14.223	276	1025356	144.2754	ppm	98

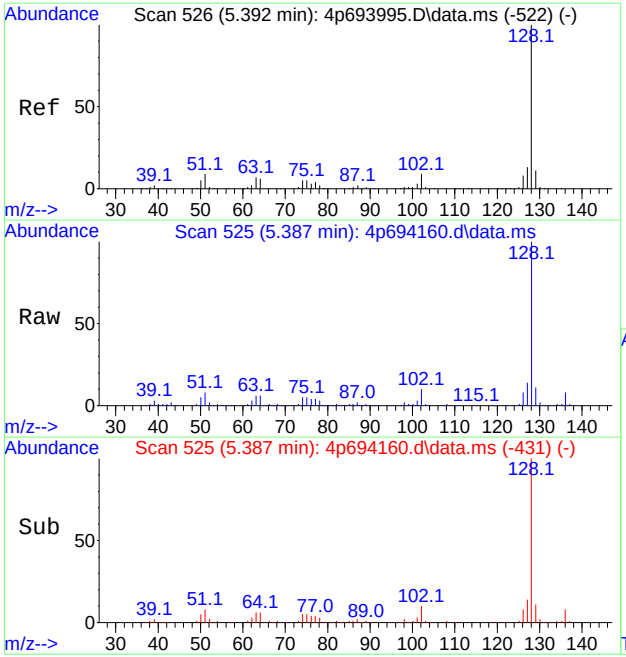
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\recheleb\E4P3703\
Data File : 4p694160.d
Acq On : 6 Dec 2024 7:27 pm
Operator : kaleigh
Sample : je1542-4 Inst : GCMS4P
Misc : op59876,e4p3703,30.2,,,1,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 08 10:38:55 2024
Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Sun Dec 08 08:17:46 2024
Response via : Initial Calibration

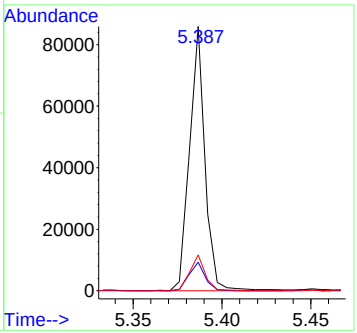


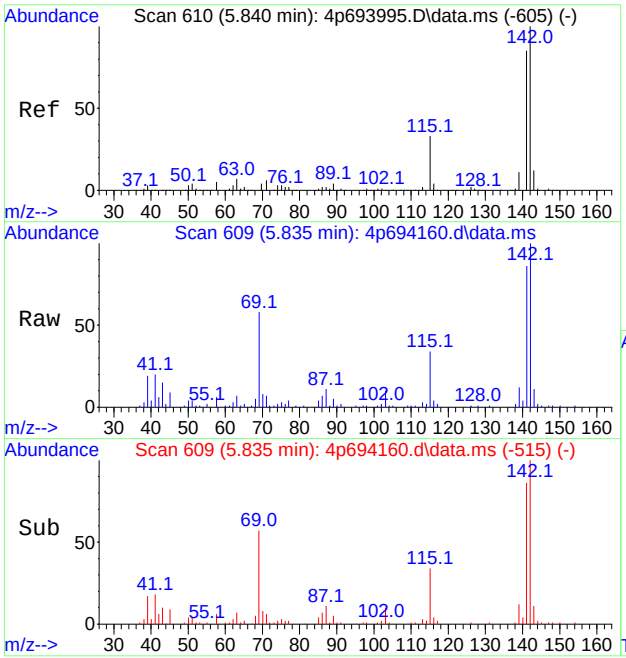


#38
Naphthalene
Concen: 7.0688 ppm
RT: 5.387 min Scan# 525
Delta R.T. 0.000 min
Lab File: 4p694160.d
Acq: 6 Dec 2024 7:27 pm

Tgt Ion:128 Resp: 52123

Ion	Ratio	Lower	Upper
128	100		
129	10.8	0.0	40.8
127	13.6	0.0	42.7

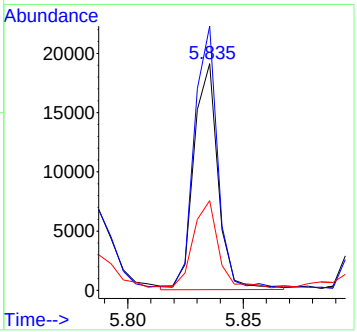


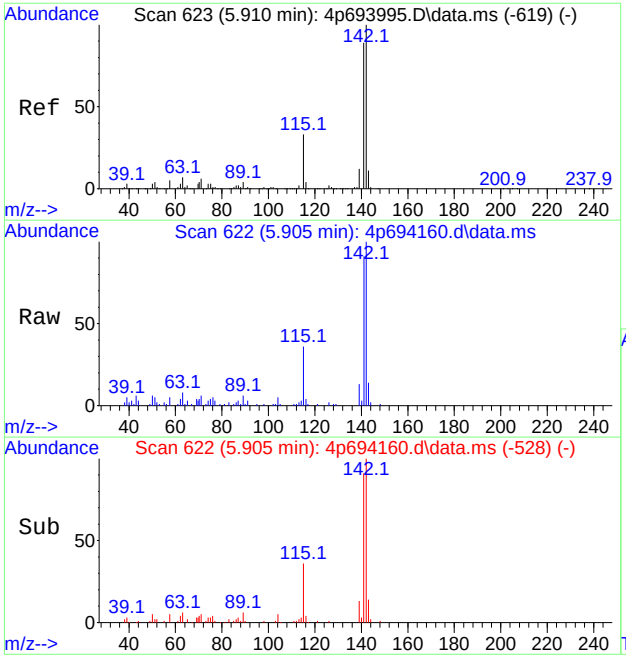


#44
2-Methylnaphthalene
Concen: 3.1407 ppm
RT: 5.835 min Scan# 609
Delta R.T. 0.000 min
Lab File: 4p694160.d
Acq: 6 Dec 2024 7:27 pm

Tgt Ion:141 Resp: 14025

Ion	Ratio	Lower	Upper
141	100		
142	116.6	84.2	144.2
115	38.3	7.8	67.8

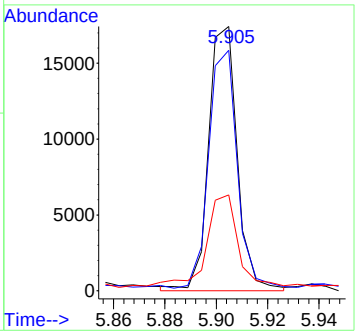


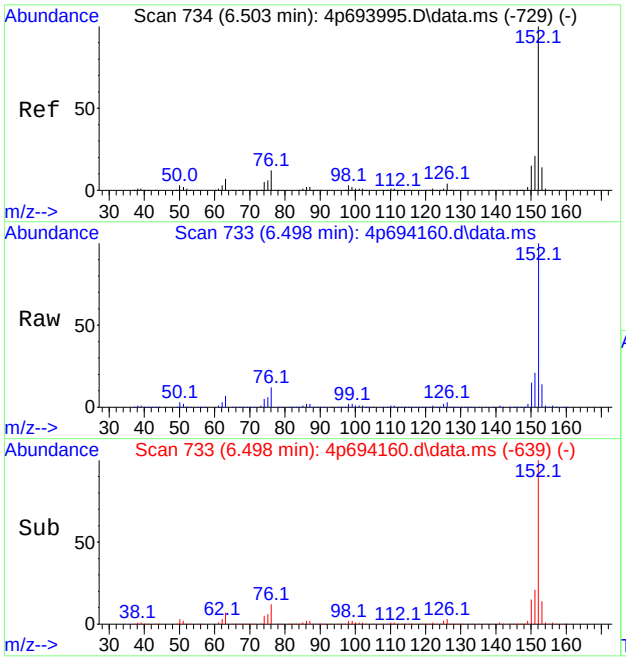


#45
1-Methylnaphthalene
Concen: 2.8726 ppm
RT: 5.905 min Scan# 622
Delta R.T. 0.000 min
Lab File: 4p694160.d
Acq: 6 Dec 2024 7:27 pm

Tgt Ion:142 Resp: 13608

Ion	Ratio	Lower	Upper
142	100		
141	90.5	55.0	115.0
115	34.2	3.5	63.5

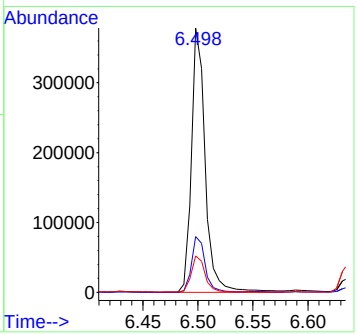


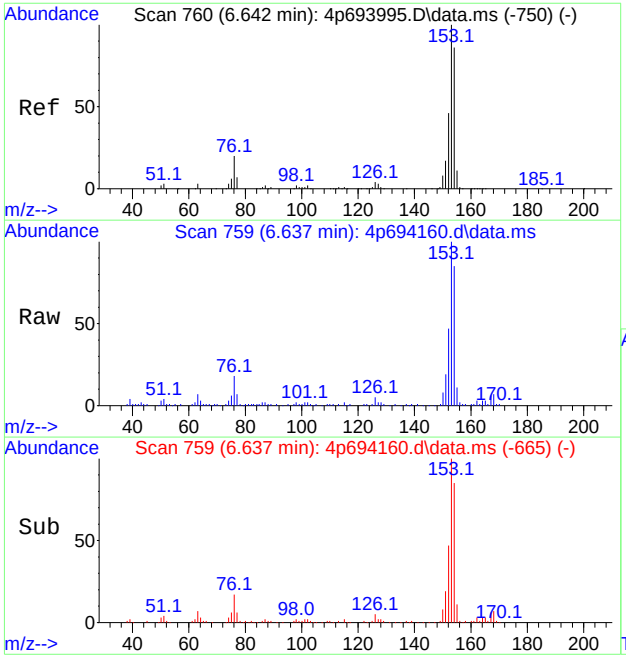


#56
Acenaphthylene
Concen: 52.4566 ppm
RT: 6.498 min Scan# 733
Delta R.T. 0.000 min
Lab File: 4p694160.d
Acq: 6 Dec 2024 7:27 pm

Tgt Ion:152 Resp: 329956

Ion	Ratio	Lower	Upper
152	100		
151	21.1	0.0	51.0
153	13.8	0.0	44.1

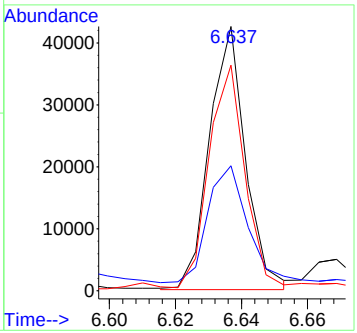


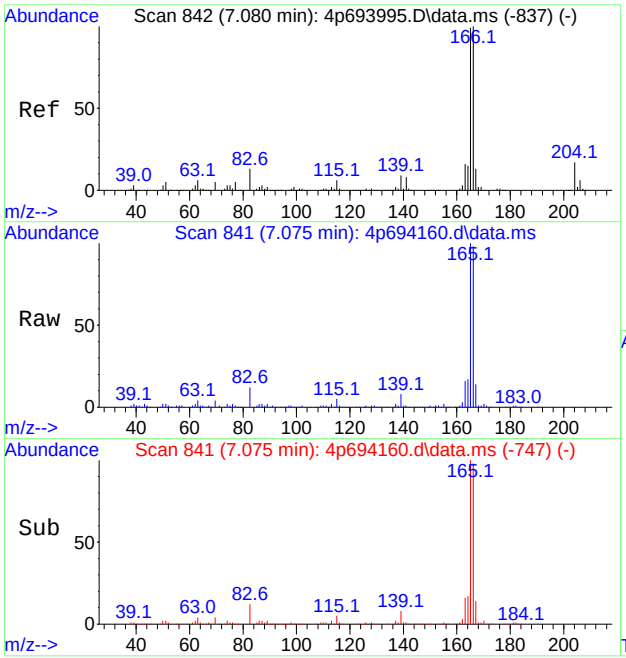


#59
Acenaphthene
Concen: 6.7205 ppm
RT: 6.637 min Scan# 759
Delta R.T. 0.000 min
Lab File: 4p694160.d
Acq: 6 Dec 2024 7:27 pm

Tgt Ion:153 Resp: 32302

Ion	Ratio	Lower	Upper
153	100		
152	44.1	17.0	77.0
154	85.5	51.7	111.7

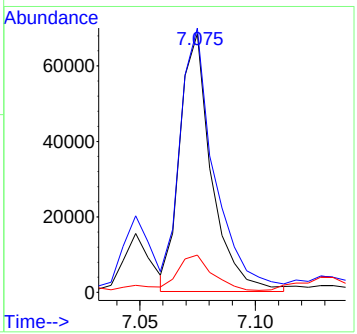


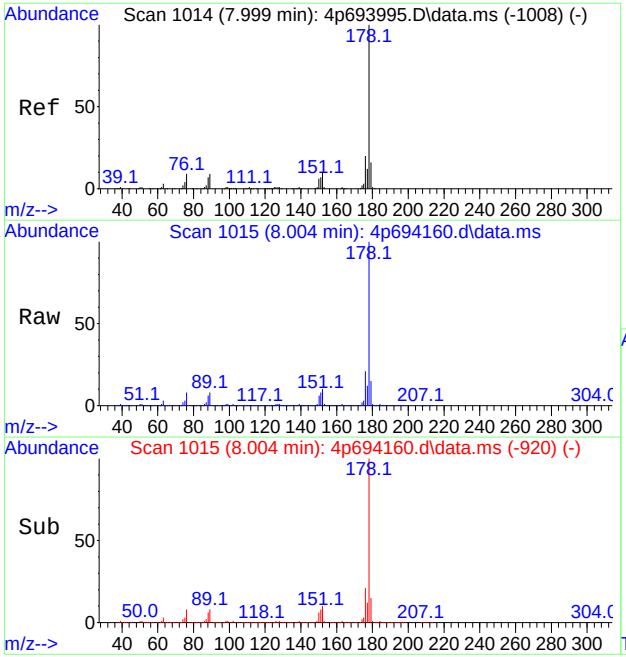


#66
Fluorene
Concen: 12.5505 ppm
RT: 7.075 min Scan# 841
Delta R.T. 0.000 min
Lab File: 4p694160.d
Acq: 6 Dec 2024 7:27 pm

Tgt Ion:166 Resp: 65340

Ion	Ratio	Lower	Upper
166	100		
165	101.1	70.1	130.1
167	12.5	0.0	43.7

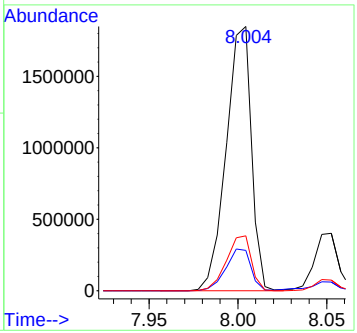


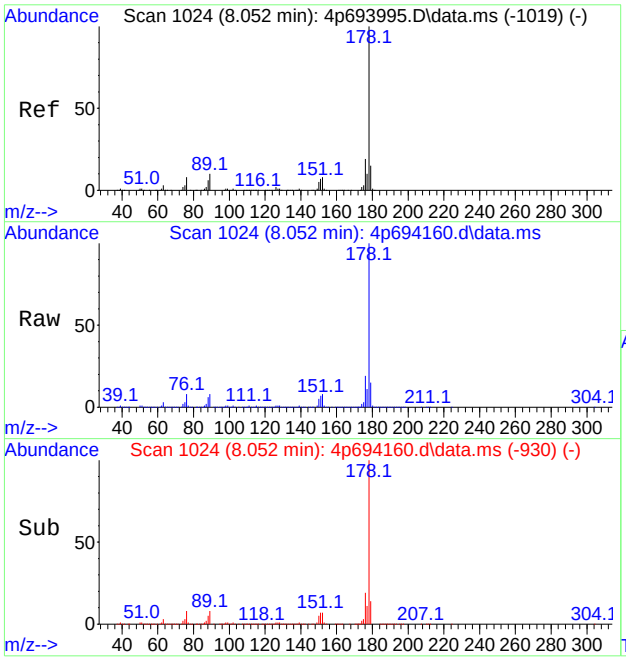


#78
Phenanthrene
Concen: 249.8611 ppm
RT: 8.004 min Scan# 1015
Delta R.T. 0.005 min
Lab File: 4p694160.d
Acq: 6 Dec 2024 7:27 pm

Tgt Ion:178 Resp: 1824047

Ion	Ratio	Lower	Upper
178	100		
179	15.1	0.0	45.1
176	20.9	0.0	49.7

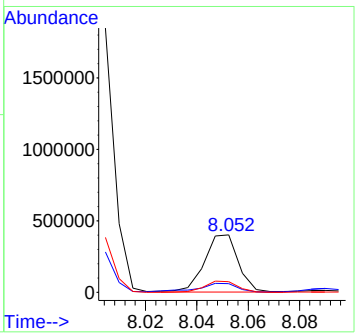


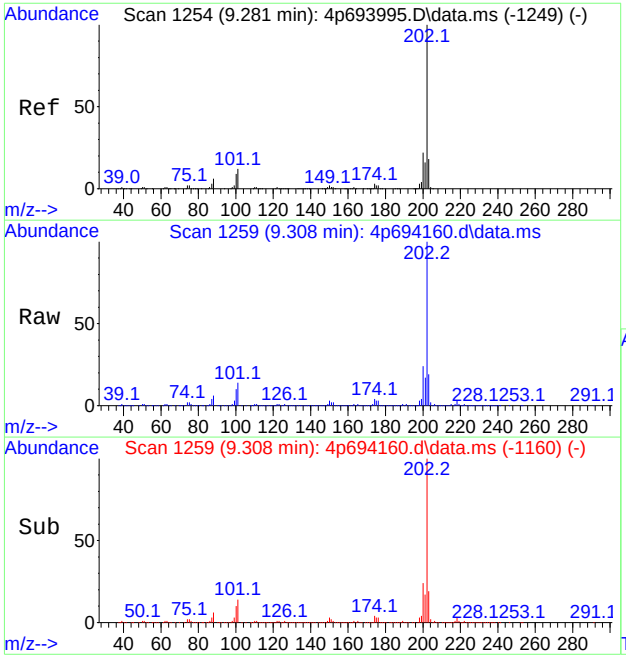


#79
Anthracene
Concen: 51.4165 ppm
RT: 8.052 min Scan# 1024
Delta R.T. 0.000 min
Lab File: 4p694160.d
Acq: 6 Dec 2024 7:27 pm

Tgt Ion:178 Resp: 368984

Ion	Ratio	Lower	Upper
178	100		
179	13.5	0.0	45.3
176	18.9	0.0	49.3

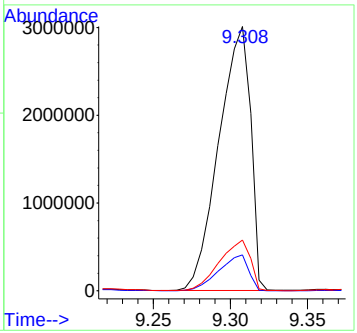


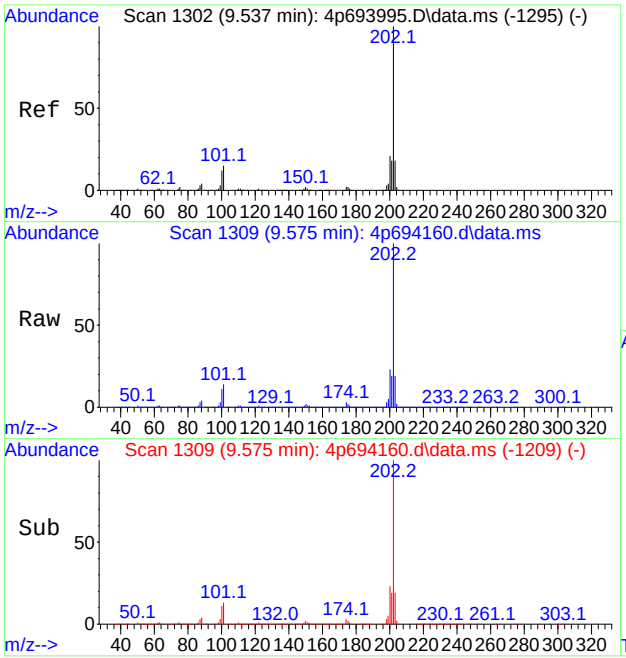


#82
Fluoranthene
Concen: 543.2494 ppm
RT: 9.308 min Scan# 1259
Delta R.T. 0.027 min
Lab File: 4p694160.d
Acq: 6 Dec 2024 7:27 pm

Tgt Ion:202 Resp: 4300805

Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	43.3
203	19.2	0.0	48.2

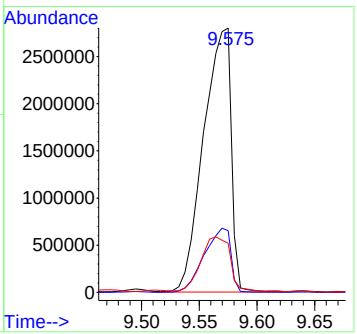


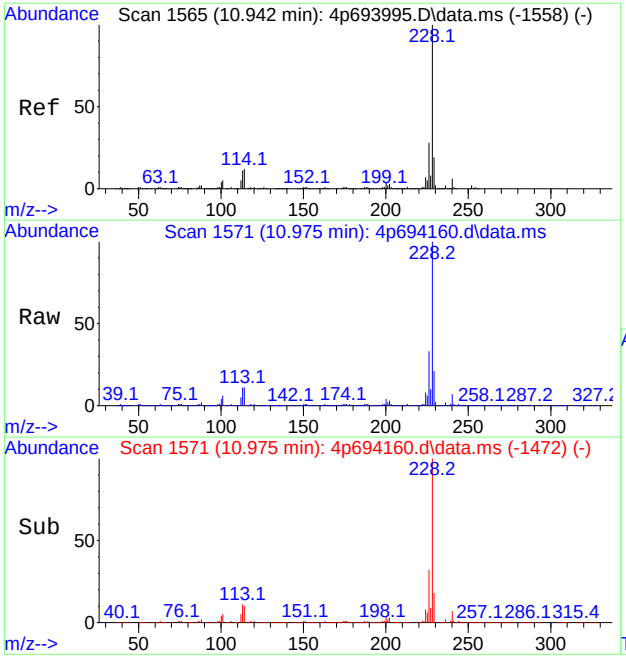


#86
Pyrene
Concen: 428.7708 ppm
RT: 9.575 min Scan# 1309
Delta R.T. 0.032 min
Lab File: 4p694160.d
Acq: 6 Dec 2024 7:27 pm

Tgt Ion:202 Resp: 4665984

Ion	Ratio	Lower	Upper
202	100		
200	23.3	0.0	52.1
203	18.1	0.0	47.5

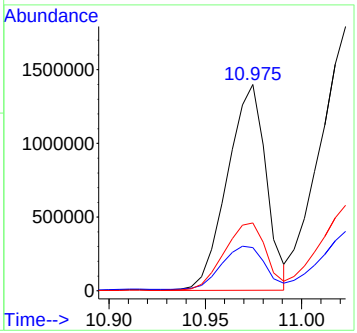


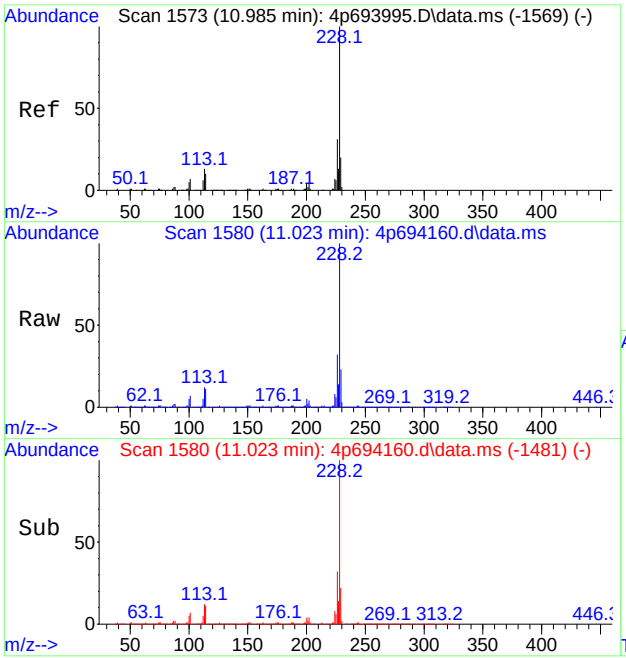


#89
Benzo[a]anthracene
Concen: 195.0121 ppm
RT: 10.975 min Scan# 1571
Delta R.T. 0.027 min
Lab File: 4p694160.d
Acq: 6 Dec 2024 7:27 pm

Tgt Ion:228 Resp: 1961034

Ion	Ratio	Lower	Upper
228	100		
229	20.1	0.0	49.7
226	32.6	0.0	58.6

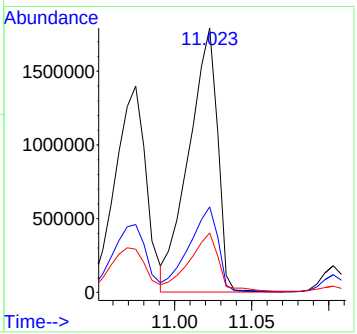


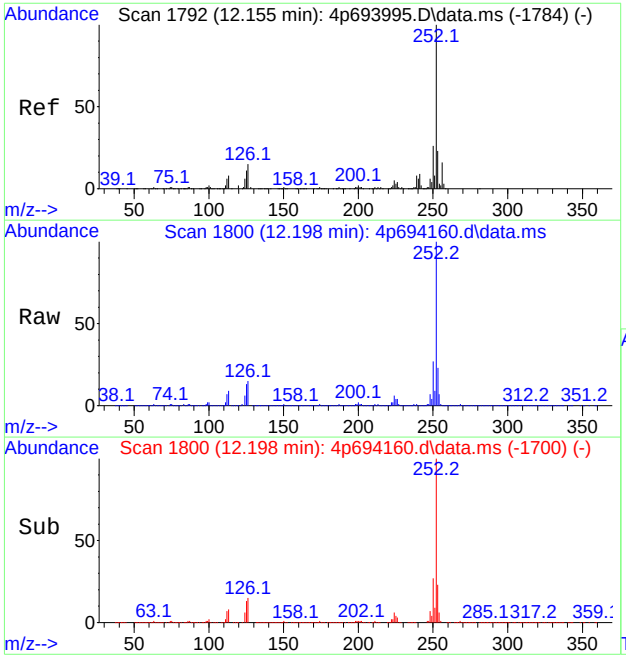


#91
Chrysene
Concen: 240.0717 ppm
RT: 11.023 min Scan# 1580
Delta R.T. 0.027 min
Lab File: 4p694160.d
Acq: 6 Dec 2024 7:27 pm

Tgt Ion:228 Resp: 2327546

Ion	Ratio	Lower	Upper
228	100		
226	32.1	1.6	61.6
229	22.0	0.0	50.0

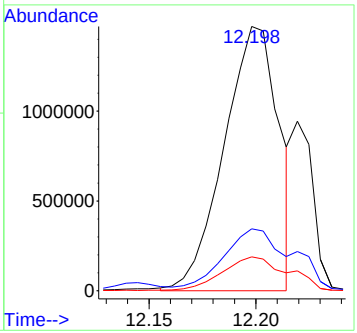


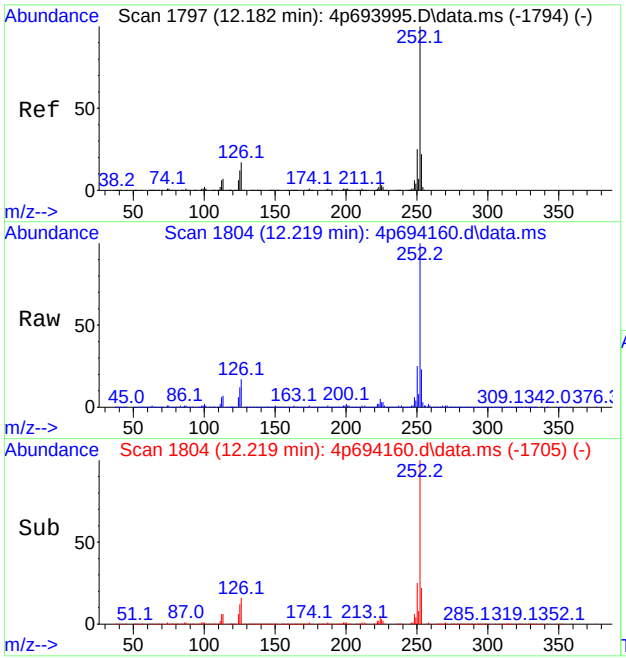


#95
Benzo[b]fluoranthene
Concen: 314.1743 ppm m
RT: 12.198 min Scan# 1800
Delta R.T. 0.032 min
Lab File: 4p694160.d
Acq: 6 Dec 2024 7:27 pm

Tgt Ion:252 Resp: 2619709

Ion	Ratio	Lower	Upper
252	100		
253	23.5	0.0	52.2
125	12.8	0.0	41.9

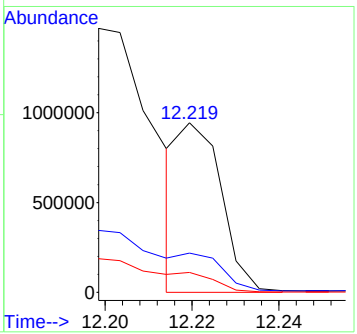


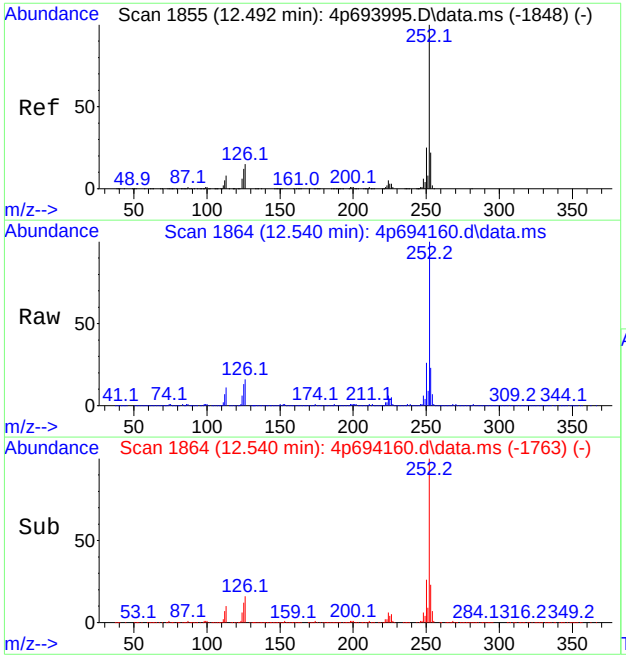


#96
Benzo[k]fluoranthene
Concen: 79.4497 ppm m
RT: 12.219 min Scan# 1804
Delta R.T. 0.027 min
Lab File: 4p694160.d
Acq: 6 Dec 2024 7:27 pm

Tgt Ion:252 Resp: 628157

Ion	Ratio	Lower	Upper
252	100		
253	23.1	0.0	51.9
125	11.8	0.0	41.8

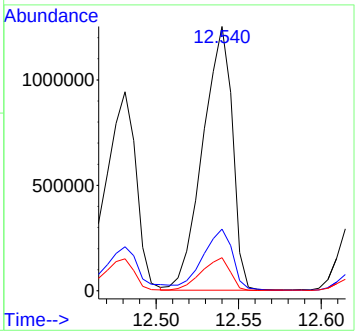


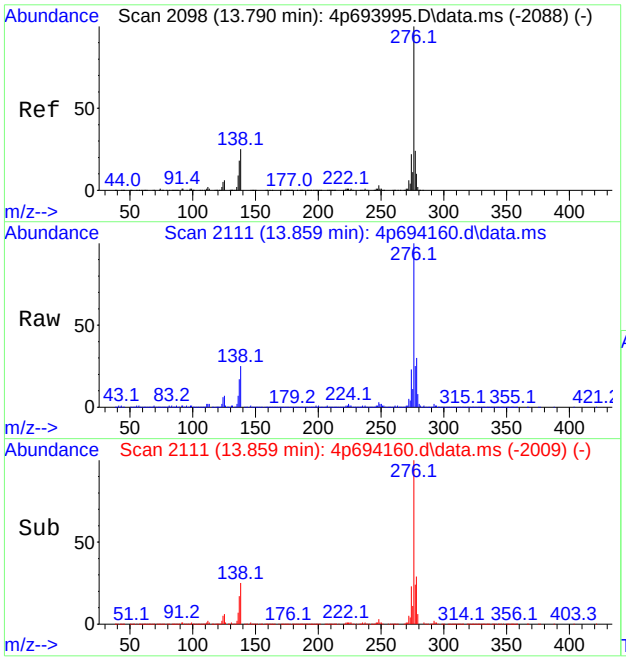


#97
Benzo[a]pyrene
Concen: 221.7657 ppm
RT: 12.540 min Scan# 1864
Delta R.T. 0.037 min
Lab File: 4p694160.d
Acq: 6 Dec 2024 7:27 pm

Tgt Ion:252 Resp: 1563338

Ion	Ratio	Lower	Upper
252	100		
253	22.3	0.0	52.0
125	12.3	0.0	43.3

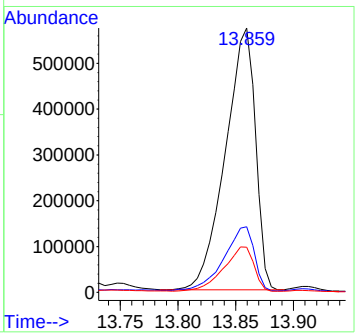


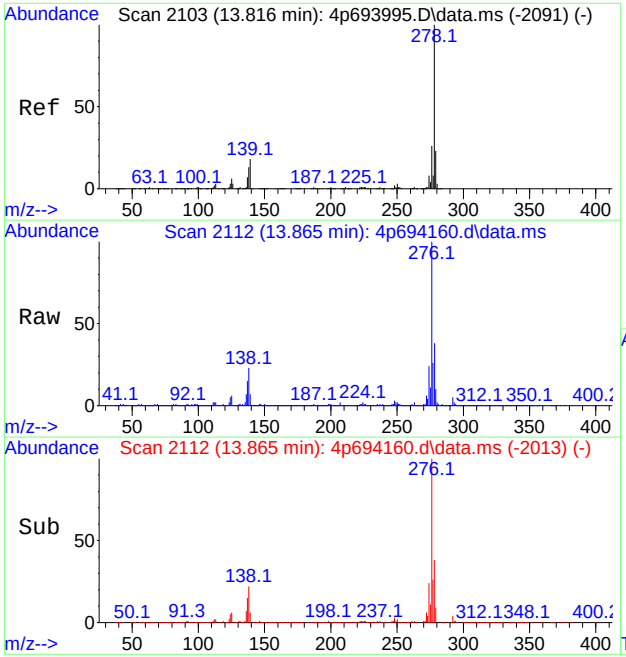


#98
Indeno[1,2,3-cd]pyrene
Concen: 110.2785 ppm
RT: 13.859 min Scan# 2111
Delta R.T. 0.043 min
Lab File: 4p694160.d
Acq: 6 Dec 2024 7:27 pm

Tgt Ion:276 Resp: 1035154

Ion	Ratio	Lower	Upper
276	100		
138	24.4	0.0	55.0
137	16.8	0.0	47.6

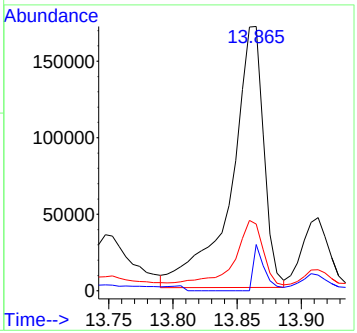


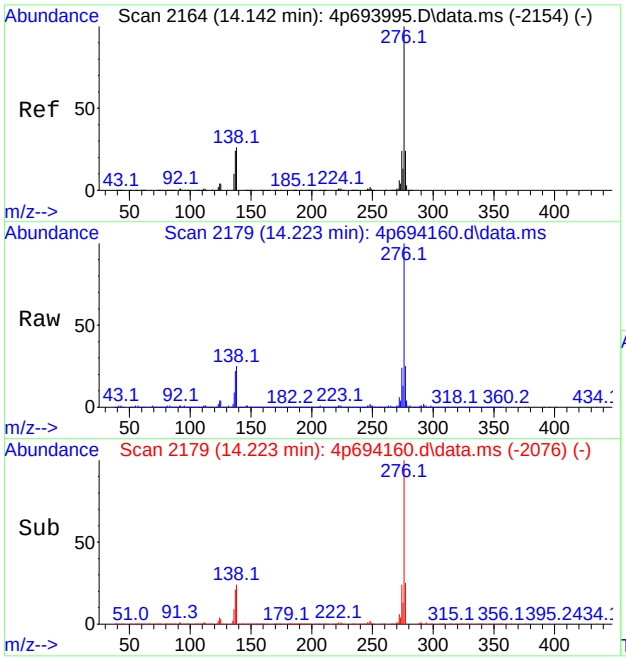


#100
Dibenz[a,h]anthracene
Concen: 39.7230 ppm
RT: 13.865 min Scan# 2112
Delta R.T. 0.027 min
Lab File: 4p694160.d
Acq: 6 Dec 2024 7:27 pm

Tgt Ion:278 Resp: 302394

Ion	Ratio	Lower	Upper
278	100		
139	16.9	0.0	48.0
279	23.7	0.0	52.2

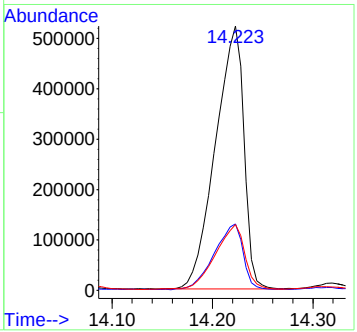




#102
Benzo[g,h,i]perylene
Concen: 144.2754 ppm
RT: 14.223 min Scan# 2179
Delta R.T. 0.048 min
Lab File: 4p694160.d
Acq: 6 Dec 2024 7:27 pm

Tgt Ion:276 Resp: 1025356

Ion	Ratio	Lower	Upper
276	100		
138	24.9	0.0	55.7
277	24.5	0.0	53.4



Manual Integrations APPROVED (compounds with "m" flag)
Jacky Takeuchi 12/09/24 22:15

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-09\ECT471\
Data File : ct10201.D
Acq On : 09 Dec 2024 12:49 pm
Operator : kaleigh
Sample : je1542-4 Inst : GCMS_CT
Misc : op59876,ect471,30.2,,,1,10
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 09 18:58:23 2024
Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\mct443.m
Quant Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuWed Aug 10 17:05:37 2022
QLast Update : Mon Dec 09 16:31:56 2024
Response via : Initial Calibration

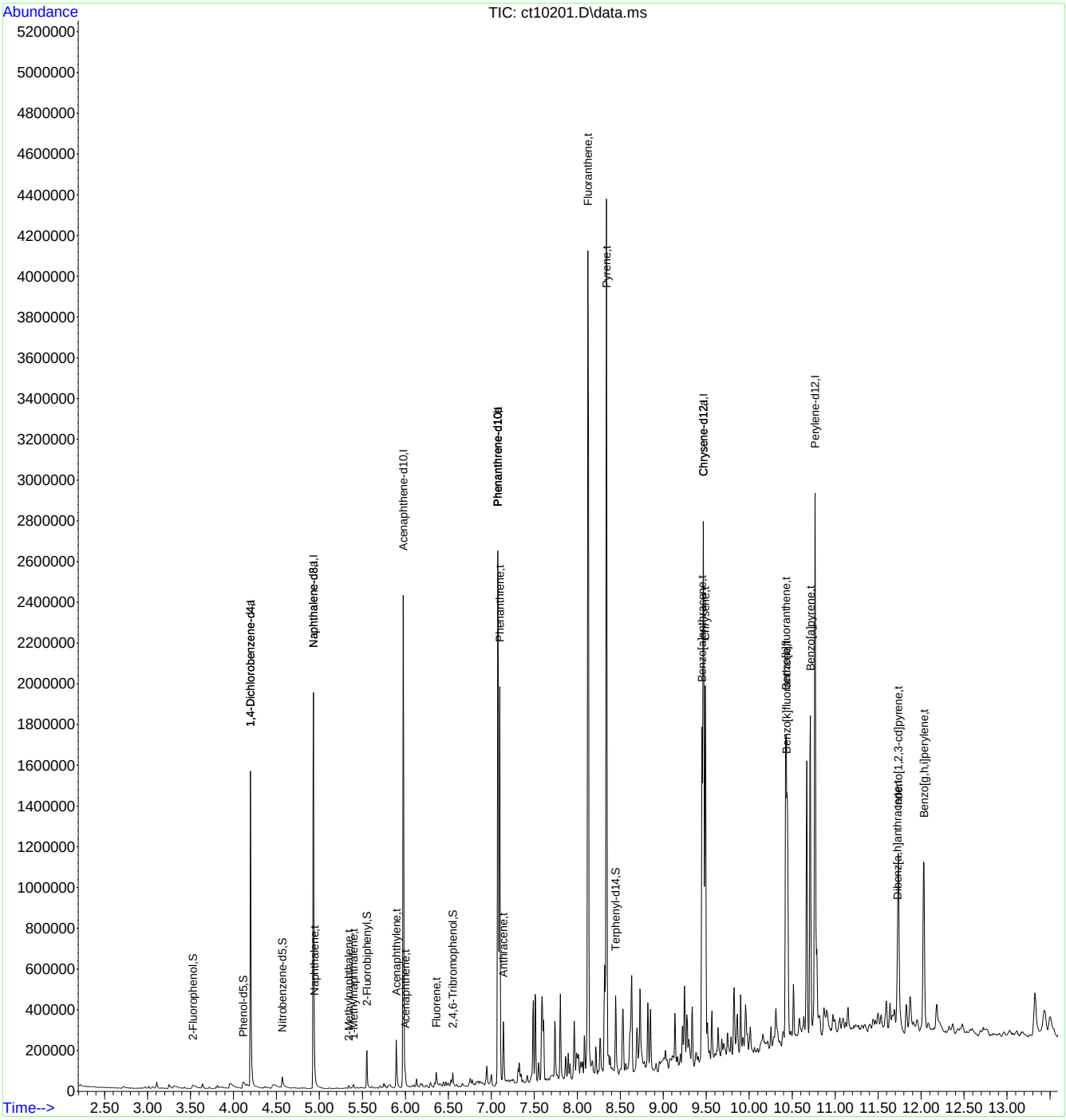
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.198	152	188929	40.00	ppm	0.00
24) Naphthalene-d8	4.931	136	743610	40.00	ppm	0.00
46) Acenaphthene-d10	5.974	164	417436	40.00	ppm	0.00
69) Phenanthrene-d10	7.076	188	735567	40.00	ppm	-0.01
84) Chrysene-d12	9.467	240	691963	40.00	ppm	-0.01
93) Perylene-d12	10.767	264	782914	40.00	ppm	-0.01
103) 1,4-Dichlorobenzene-d4a	4.198	152	188929	40.00	ppm	0.00
105) Phenanthrene-d10a	7.076	188	735567	40.00	ppm	-0.01
107) Naphthalene-d8a	4.931	136	743610	40.00	ppm	0.00
109) Phenanthrene-d10b	7.076	188	735567	40.00	ppm	-0.01
112) Chrysene-d12a	9.467	240	691963	40.00	ppm	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	3.530	112	12748	2.12	ppm	0.04
Spiked Amount 50.000			Recovery =	4.24%		
8) Phenol-d5	4.113	99	21509	2.75	ppm	0.04
Spiked Amount 50.000			Recovery =	5.50%		
25) Nitrobenzene-d5	4.567	82	22773	3.21	ppm	0.02
Spiked Amount 50.000			Recovery =	6.42%		
51) 2-Fluorobiphenyl	5.552	172	51703	3.88	ppm	0.01
Spiked Amount 50.000			Recovery =	7.76%		
74) 2,4,6-Tribromophenol	6.552	330	6111	3.56	ppm	0.00
Spiked Amount 50.000			Recovery =	7.12%		
87) Terphenyl-d14	8.445	244	62263	3.46	ppm	-0.01
Spiked Amount 50.000			Recovery =	6.92%		
110) 1-chlorooctadecane	0.000	57	0d	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
111) o-terphenyl	0.000	230	0	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
38) Naphthalene	4.942	128	16500	0.8544	ppm	99
44) 2-Methylnaphthalene	5.343	141	4192	0.3534	ppm	94
45) 1-Methylnaphthalene	5.397	141	3876	0.3372	ppm	94
56) Acenaphthylene	5.894	152	92043	6.1355	ppm	100
59) Acenaphthene	6.001	153	10406	0.8106	ppm	91
66) Fluorene	6.359	166	23324	1.6633	ppm	99
78) Phenanthrene	7.097	178	600841	30.3708	ppm	100
79) Anthracene	7.140	178	109411	5.7713	ppm	99
82) Fluoranthene	8.124	202	1342895	64.3046	ppm	97
86) Pyrene	8.338	202	1380581	54.9589	ppm	98
89) Benzo[a]anthracene	9.451	228	487770	20.6996	ppm	98
91) Chrysene	9.488	228	619317	27.3709	ppm	98
95) Benzo[b]fluoranthene	10.430	252	575874m	23.6667	ppm	
96) Benzo[k]fluoranthene	10.435	252	392031m	18.5185	ppm	
97) Benzo[a]pyrene	10.713	252	502582	25.0512	ppm	99
98) Indeno[1,2,3-cd]pyrene	11.735	276	378757	14.3723	ppm	99
100) Dibenz[a,h]anthracene	11.724	278	88401	4.1694	ppm	98
102) Benzo[g,h,i]perylene	12.034	276	386462	18.3671	ppm	95

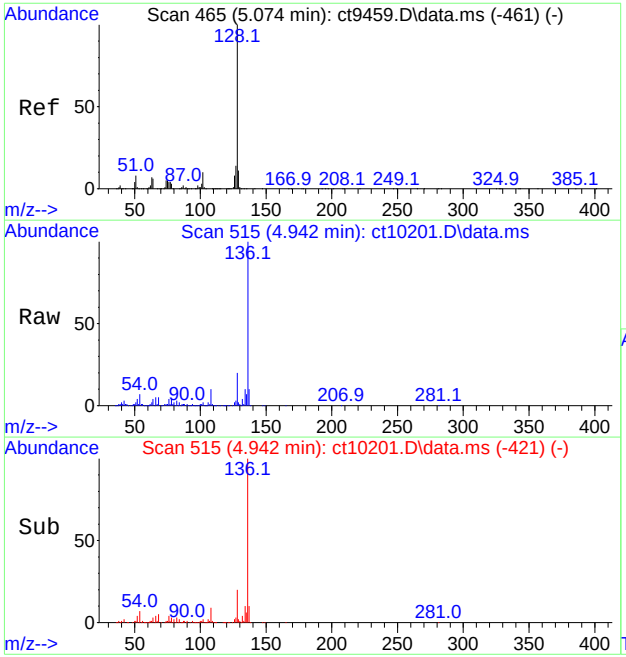
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-09\ECT471\
Data File : ct10201.D
Acq On : 09 Dec 2024 12:49 pm
Operator : kaleigh
Sample : je1542-4 Inst : GCMS_CT
Misc : op59876,ect471,30.2,,,1,10
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 09 18:58:23 2024
Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\mct443.m
Quant Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuWed Aug 10 17:05:37 2022
QLast Update : Mon Dec 09 16:31:56 2024
Response via : Initial Calibration

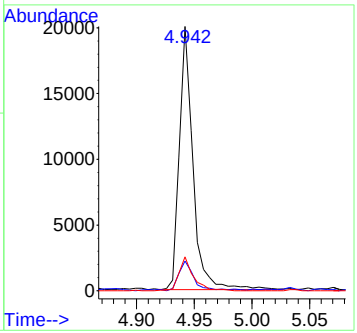


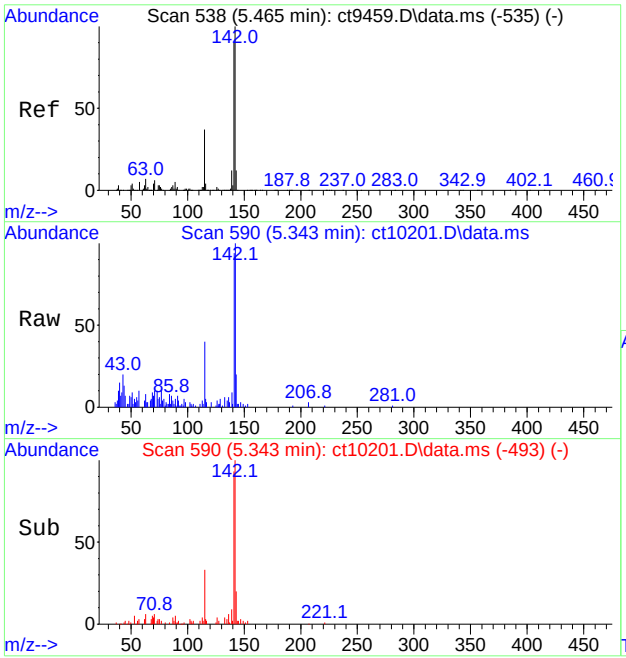


#38
Naphthalene
Concen: 0.8544 ppm
RT: 4.942 min Scan# 515
Delta R.T. 0.005 min
Lab File: ct10201.D
Acq: 09 Dec 2024 12:49 pm

Tgt Ion:128 Resp: 16500

Ion	Ratio	Lower	Upper
128	100		
129	10.7	0.0	41.0
127	12.7	0.0	43.5

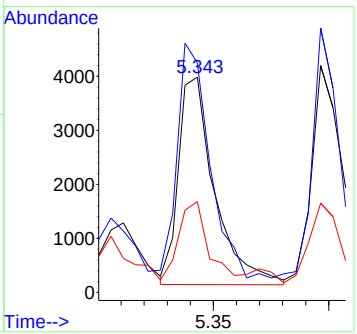


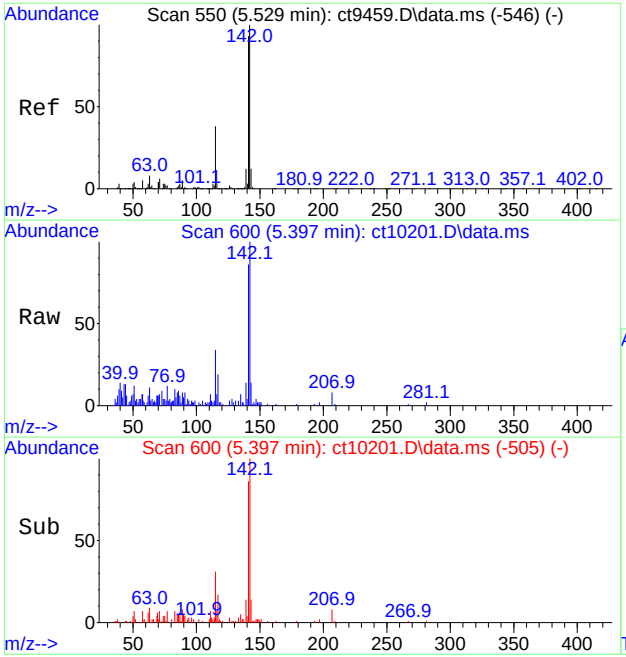


#44
2-Methylnaphthalene
Concen: 0.3534 ppm
RT: 5.343 min Scan# 590
Delta R.T. 0.021 min
Lab File: ct10201.D
Acq: 09 Dec 2024 12:49 pm

Tgt Ion:141 Resp: 4192

Ion	Ratio	Lower	Upper
141	100		
142	104.0	82.7	142.7
115	39.7	8.7	68.7

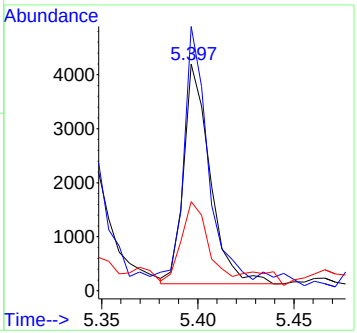


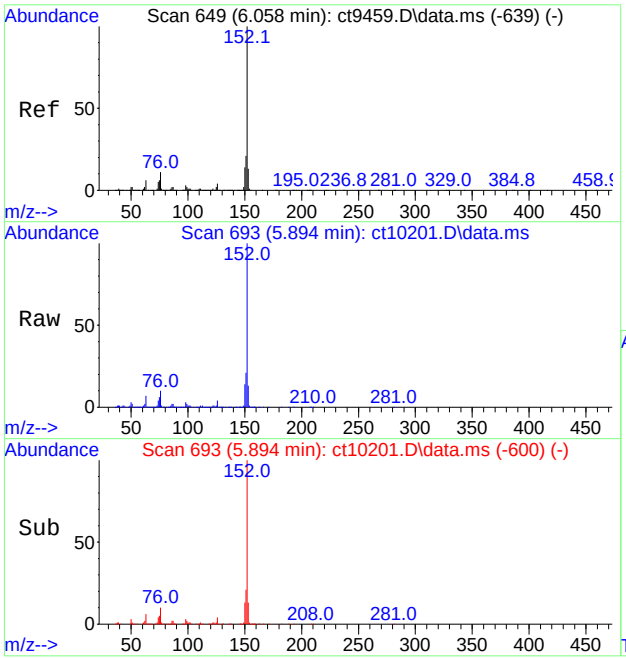


#45
1-Methylnaphthalene
Concen: 0.3372 ppm
RT: 5.397 min Scan# 600
Delta R.T. 0.011 min
Lab File: ct10201.D
Acq: 09 Dec 2024 12:49 pm

Tgt Ion:141 Resp: 3876

Ion	Ratio	Lower	Upper
141	100		
142	113.6	76.3	136.3
115	37.7	6.9	66.9

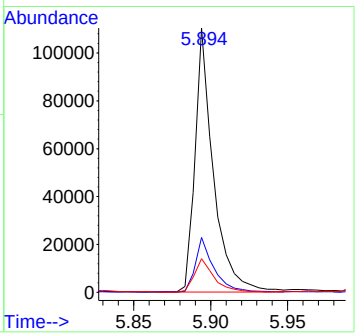


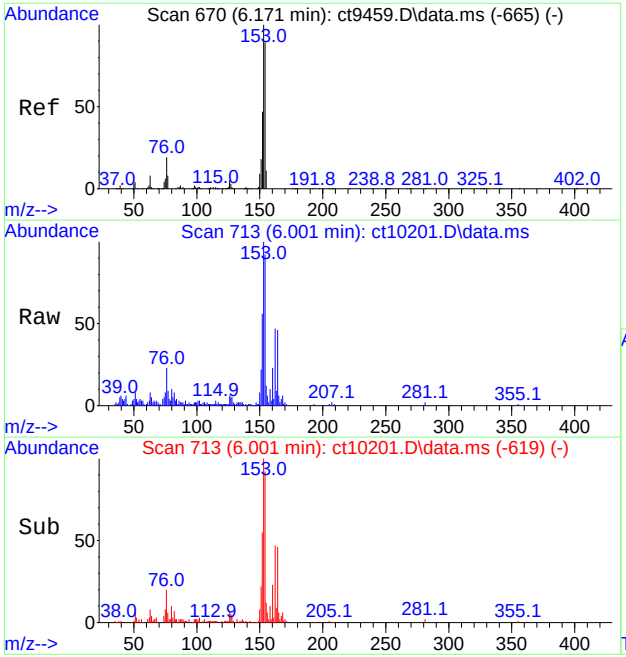


#56
Acenaphthylene
Concen: 6.1355 ppm
RT: 5.894 min Scan# 693
Delta R.T. 0.000 min
Lab File: ct10201.D
Acq: 09 Dec 2024 12:49 pm

Tgt Ion:152 Resp: 92043

Ion	Ratio	Lower	Upper
152	100		
151	20.7	0.0	50.7
153	12.7	0.0	43.0

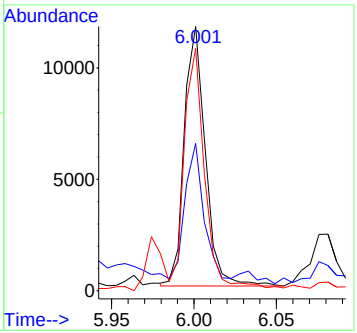


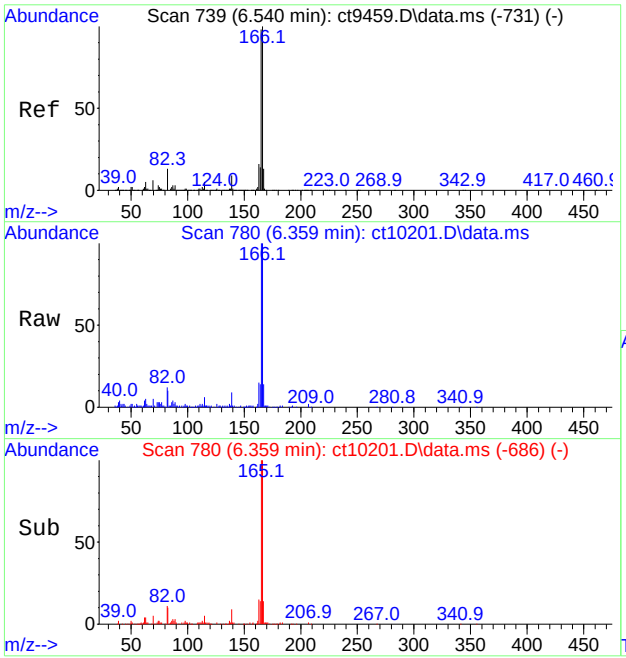


#59
Acenaphthene
Concen: 0.8106 ppm
RT: 6.001 min Scan# 713
Delta R.T. 0.005 min
Lab File: ct10201.D
Acq: 09 Dec 2024 12:49 pm

Tgt Ion:153 Resp: 10406

Ion	Ratio	Lower	Upper
153	100		
152	51.3	16.6	76.6
154	86.1	47.2	107.2

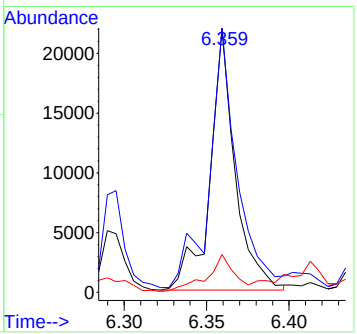


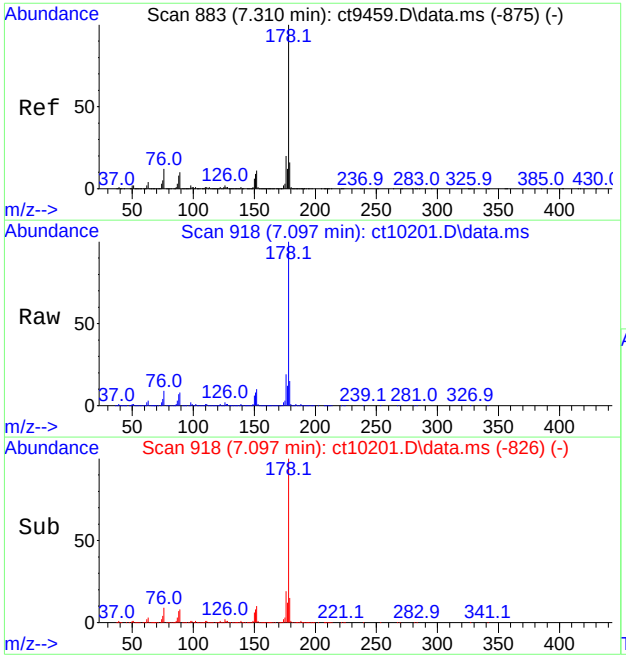


#66
Fluorene
Concen: 1.6633 ppm
RT: 6.359 min Scan# 780
Delta R.T. 0.005 min
Lab File: ct10201.D
Acq: 09 Dec 2024 12:49 pm

Tgt Ion:166 Resp: 23324

Ion	Ratio	Lower	Upper
166	100		
165	97.9	68.2	128.2
167	10.9	0.0	43.2

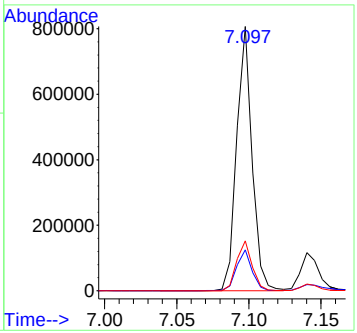


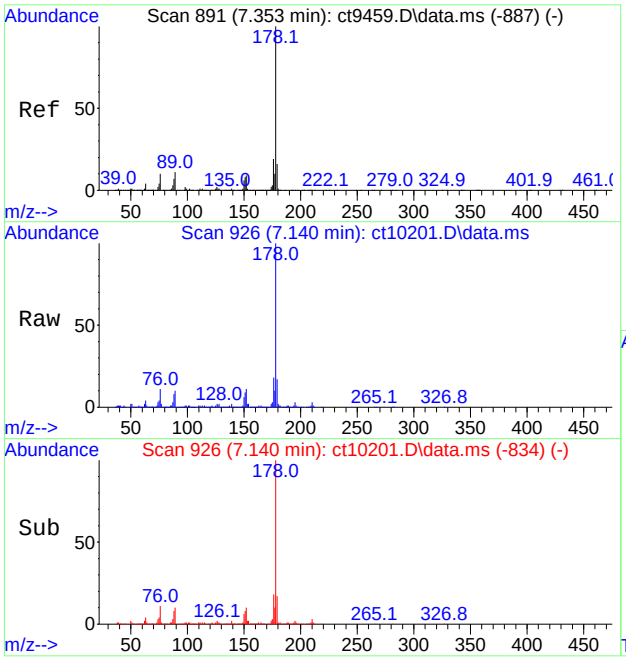


#78
Phenanthrene
Concen: 30.3708 ppm
RT: 7.097 min Scan# 918
Delta R.T. -0.005 min
Lab File: ct10201.D
Acq: 09 Dec 2024 12:49 pm

Tgt Ion:178 Resp: 600841

Ion	Ratio	Lower	Upper
178	100		
179	15.4	0.0	45.4
176	18.8	0.0	49.2

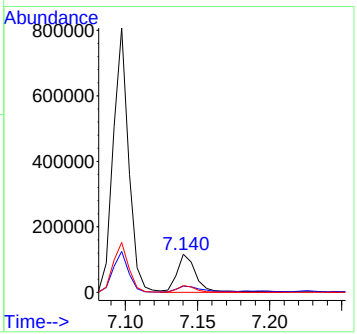


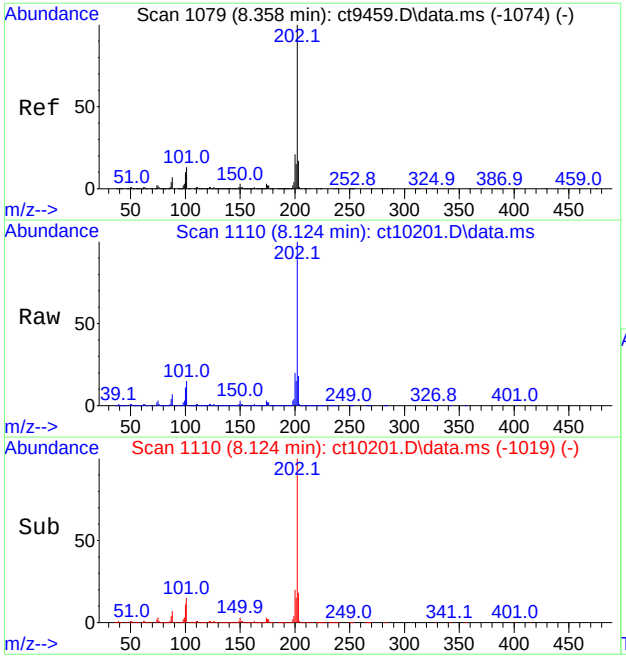


#79
Anthracene
Concen: 5.7713 ppm
RT: 7.140 min Scan# 926
Delta R.T. -0.005 min
Lab File: ct10201.D
Acq: 09 Dec 2024 12:49 pm

Tgt Ion:178 Resp: 109411

Ion	Ratio	Lower	Upper
178	100		
179	16.1	0.0	45.5
176	18.0	0.0	48.5

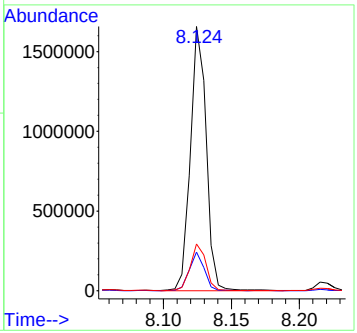


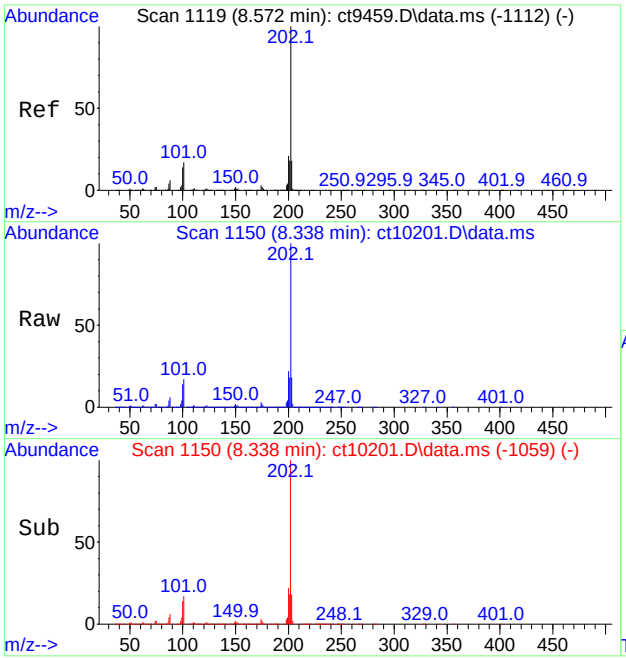


#82
Fluoranthene
Concen: 64.3046 ppm
RT: 8.124 min Scan# 1110
Delta R.T. -0.011 min
Lab File: ct10201.D
Acq: 09 Dec 2024 12:49 pm

Tgt Ion:202 Resp: 1342895

Ion	Ratio	Lower	Upper
202	100		
101	14.6	0.0	42.5
203	17.7	0.0	47.0

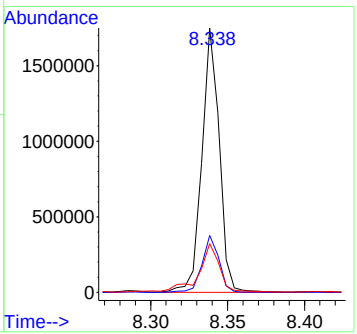


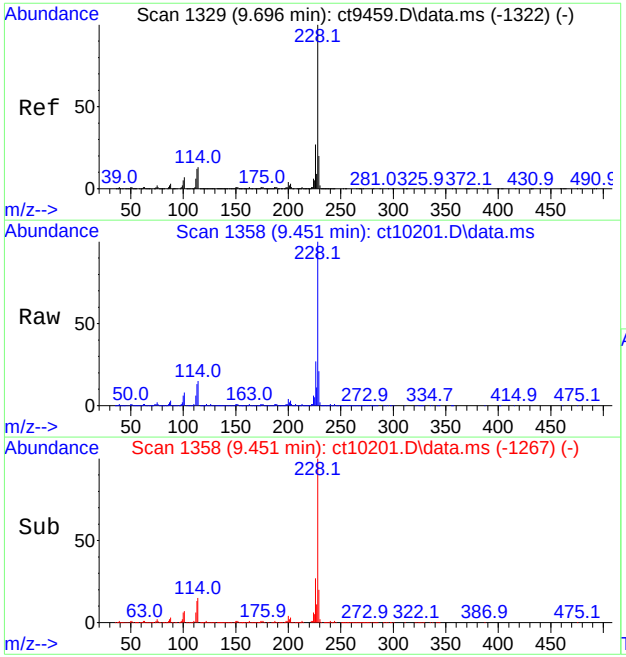


#86
Pyrene
Concen: 54.9589 ppm
RT: 8.338 min Scan# 1150
Delta R.T. -0.011 min
Lab File: ct10201.D
Acq: 09 Dec 2024 12:49 pm

Tgt Ion:202 Resp: 1380581

Ion	Ratio	Lower	Upper
202	100		
200	21.5	0.0	51.0
203	18.2	0.0	47.0

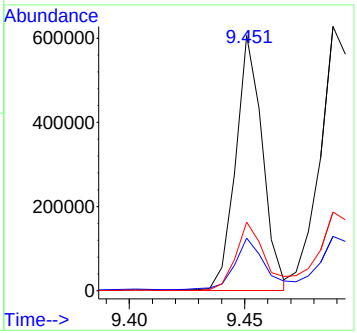


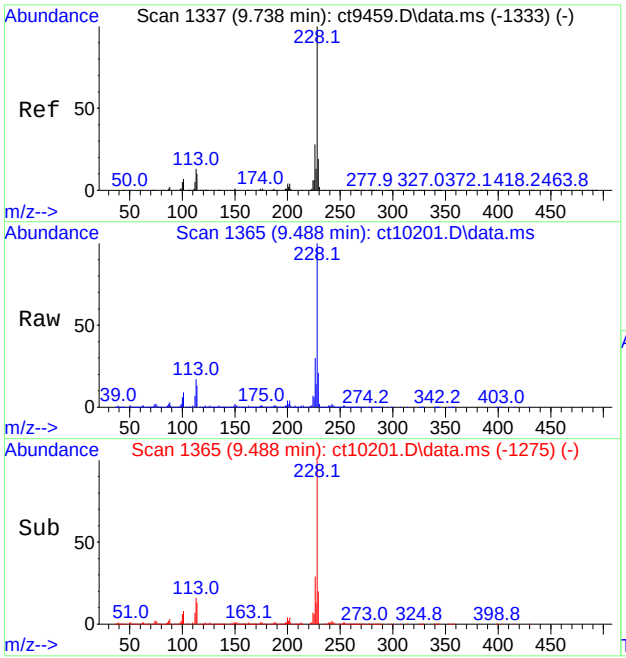


#89
Benzo[a]anthracene
Concen: 20.6996 ppm
RT: 9.451 min Scan# 1358
Delta R.T. -0.011 min
Lab File: ct10201.D
Acq: 09 Dec 2024 12:49 pm

Tgt Ion:228 Resp: 487770

Ion	Ratio	Lower	Upper
228	100		
229	18.9	0.0	49.5
226	24.5	0.0	56.0

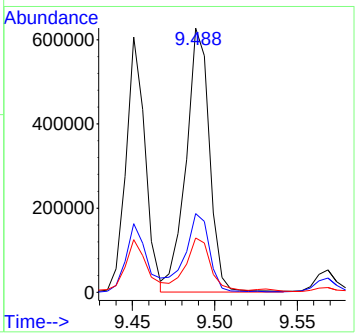


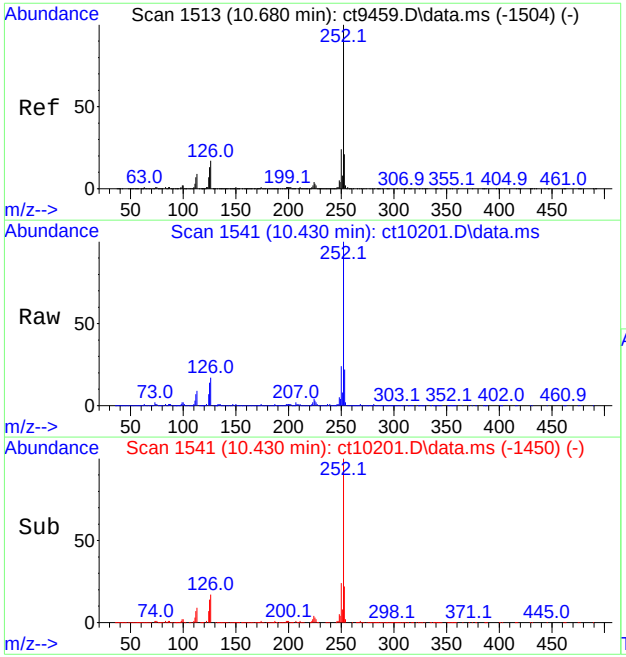


#91
Chrysene
Concen: 27.3709 ppm
RT: 9.488 min Scan# 1365
Delta R.T. -0.016 min
Lab File: ct10201.D
Acq: 09 Dec 2024 12:49 pm

Tgt Ion:228 Resp: 619317

Ion	Ratio	Lower	Upper
228	100		
226	27.6	0.0	59.4
229	18.9	0.0	49.1

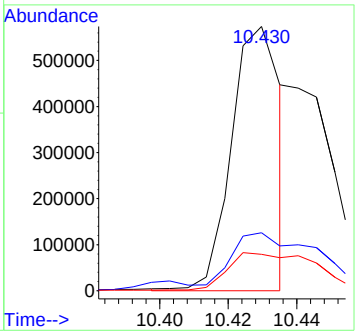


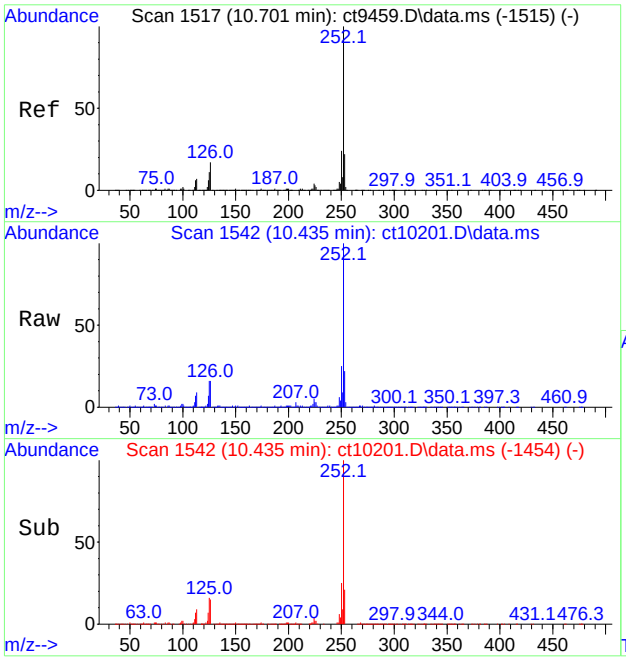


#95
Benzo[b]fluoranthene
Concen: 23.6667 ppm m
RT: 10.430 min Scan# 1541
Delta R.T. -0.011 min
Lab File: ct10201.D
Acq: 09 Dec 2024 12:49 pm

Tgt Ion:252 Resp: 575874

Ion	Ratio	Lower	Upper
252	100		
253	22.0	0.0	52.7
125	13.8	0.0	42.3

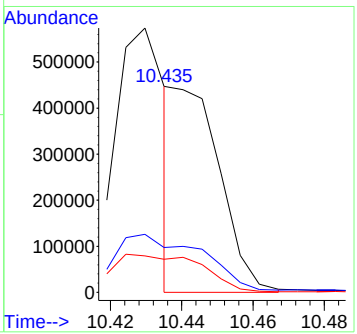


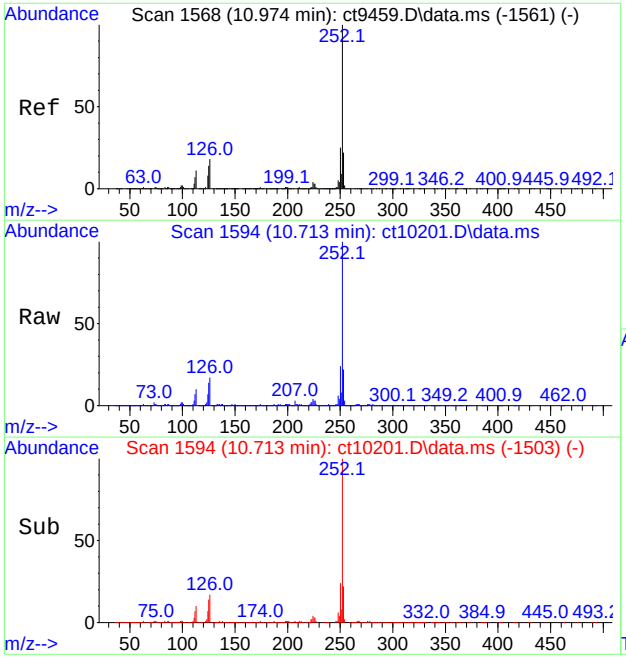


#96
Benzo[k]fluoranthene
Concen: 18.5185 ppm m
RT: 10.435 min Scan# 1542
Delta R.T. -0.027 min
Lab File: ct10201.D
Acq: 09 Dec 2024 12:49 pm

Tgt Ion:252 Resp: 392031

Ion	Ratio	Lower	Upper
252	100		
253	21.8	0.0	52.6
125	16.0	0.0	41.9

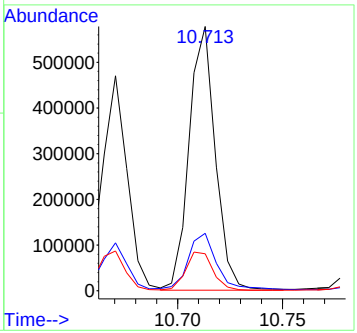


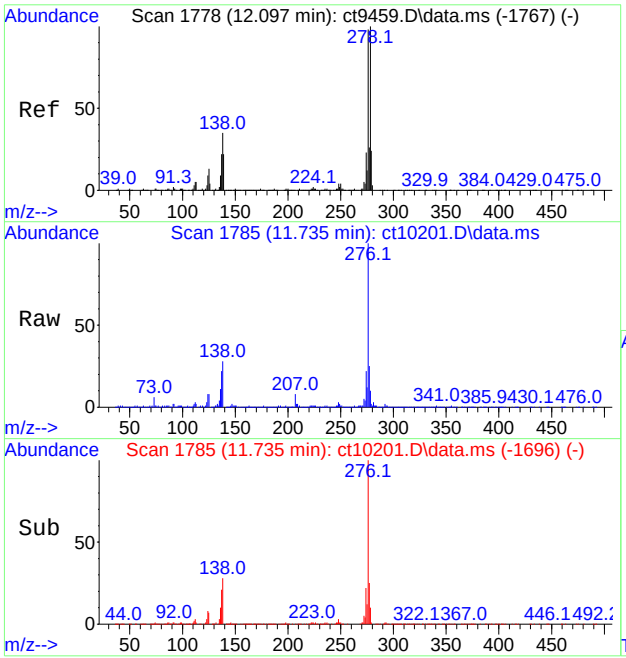


#97
Benzo[a]pyrene
Concen: 25.0512 ppm
RT: 10.713 min Scan# 1594
Delta R.T. -0.011 min
Lab File: ct10201.D
Acq: 09 Dec 2024 12:49 pm

Tgt Ion:252 Resp: 502582

Ion	Ratio	Lower	Upper
252	100		
253	21.2	0.0	51.1
125	13.8	0.0	44.2

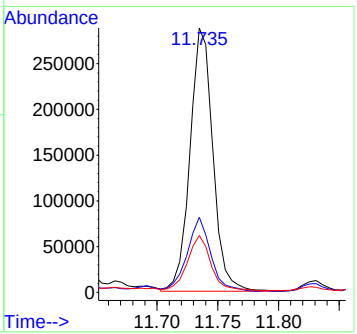


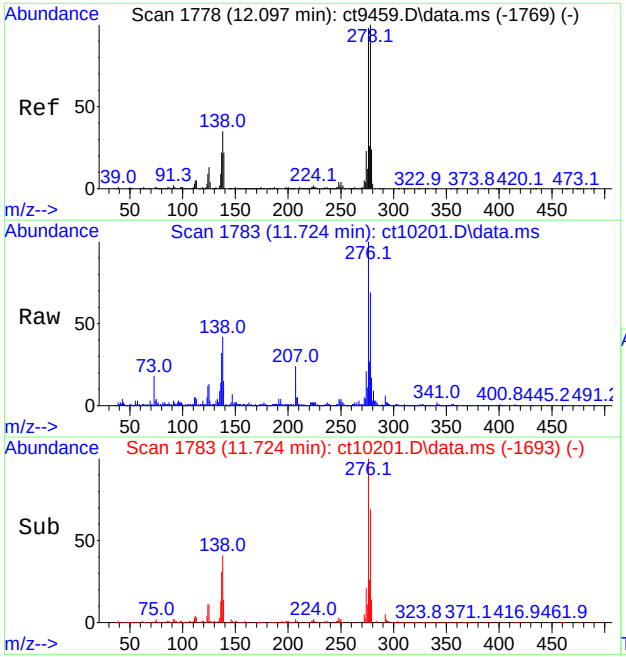


#98
Indeno[1,2,3-cd]pyrene
Concen: 14.3723 ppm
RT: 11.735 min Scan# 1785
Delta R.T. -0.021 min
Lab File: ct10201.D
Acq: 09 Dec 2024 12:49 pm

Tgt Ion:276 Resp: 378757

Ion	Ratio	Lower	Upper
276	100		
138	27.7	0.0	58.2
137	20.8	0.0	51.1

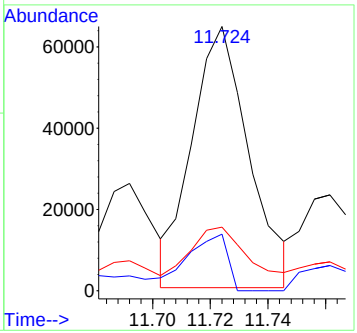


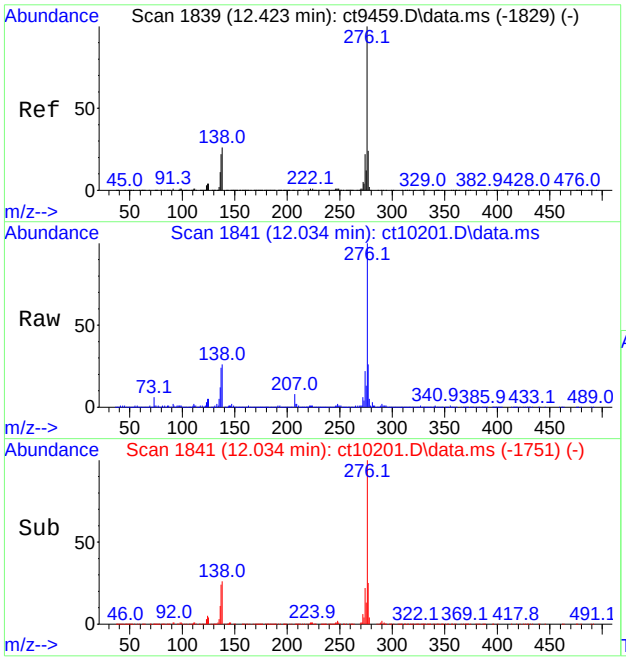


#100
Dibenz[a,h]anthracene
Concen: 4.1694 ppm
RT: 11.724 min Scan# 1783
Delta R.T. -0.016 min
Lab File: ct10201.D
Acq: 09 Dec 2024 12:49 pm

Tgt Ion:278 Resp: 88401

Ion	Ratio	Lower	Upper
278	100		
139	23.5	0.0	53.1
279	21.9	0.0	53.8

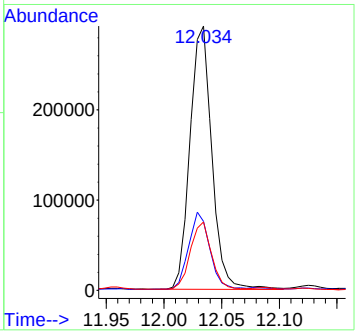




#102
Benzo[g,h,i]perylene
Concen: 18.3671 ppm
RT: 12.034 min Scan# 1841
Delta R.T. -0.016 min
Lab File: ct10201.D
Acq: 09 Dec 2024 12:49 pm

Tgt Ion:276 Resp: 386462

Ion	Ratio	Lower	Upper
276	100		
138	25.8	0.0	58.1
277	25.5	0.0	53.2



Manual Integrations APPROVED (compounds with "m" flag)
Jon Kreigmor Mamanta 12/18/24 07:17

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\altheam\e6p4336\
Data File : 6p519554.d
Acq On : 17 Dec 2024 4:56 pm
Operator : anthonyo
Sample : je1542-5t Inst : GCMS6P
Misc : op60221,e6p4336,31.4,,,1,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 18 07:12:19 2024
Quant Method : X:\Dayton SVOA GCMS\altheam\method\M6P4256.M
Quant Title : Semi Volatile GC/MS,zb-5msplus30m x .25mm x .25um
QLast Update : Wed Dec 18 06:35:30 2024
Response via : Initial Calibration

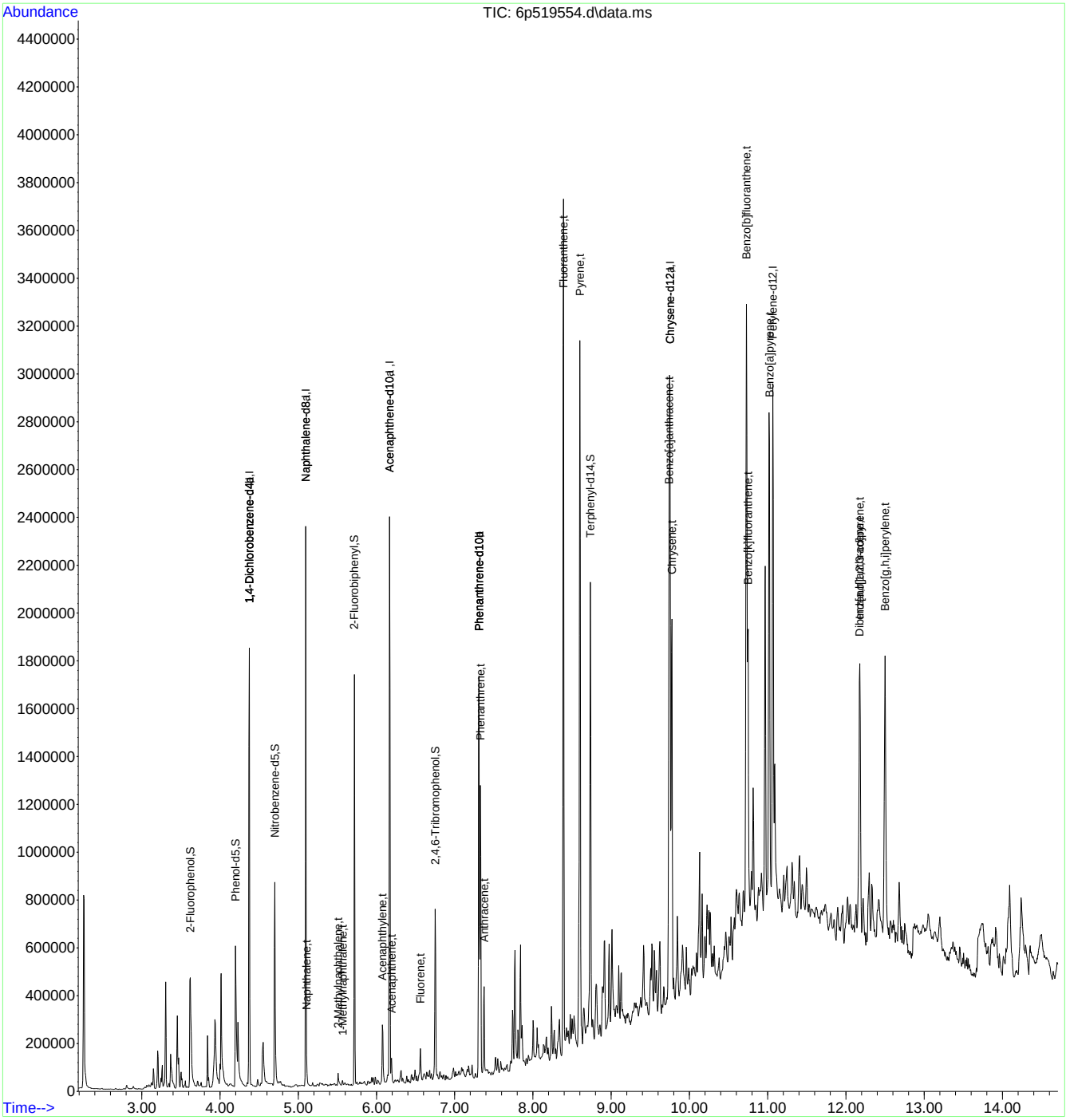
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.374	152	202931	40.00	ppm	0.00
24) Naphthalene-d8	5.096	136	686418	40.00	ppm	0.00
46) Acenaphthene-d10	6.166	164	384104	40.00	ppm	0.00
69) Phenanthrene-d10	7.311	188	563127	40.00	ppm	0.00
84) Chrysene-d12	9.750	240	587009	40.00	ppm	0.00
93) Perylene-d12	11.066	264	776192	40.00	ppm	0.00
103) 1,4-Dichlorobenzene-d4a	4.374	152	202931	40.00	ppm	0.00
105) Phenanthrene-d10a	7.311	188	563127	40.00	ppm	0.00
107) Naphthalene-d8a	5.096	136	686418	40.00	ppm	0.00
109) 1,4-Dichlorobenzene-d4b	4.374	152	202931	40.00	ppm	0.00
112) Acenaphthene-d10a	6.166	164	384104	40.00	ppm	0.00
114) Phenanthrene-d10b	7.311	188	563127	40.00	ppm	0.00
117) Chrysene-d12a	9.750	240	587009	40.00	ppm	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.620	112	166200	24.70	ppm	0.01
Spiked Amount 50.000			Recovery = 49.40%			
8) Phenol-d5	4.198	99	213549	24.08	ppm	0.00
Spiked Amount 50.000			Recovery = 48.16%			
25) Nitrobenzene-d5	4.701	82	229681	34.07	ppm	0.00
Spiked Amount 50.000			Recovery = 68.14%			
51) 2-Fluorobiphenyl	5.717	172	389257	31.04	ppm	0.00
Spiked Amount 50.000			Recovery = 62.08%			
74) 2,4,6-Tribromophenol	6.749	330	81187	48.81	ppm	0.00
Spiked Amount 50.000			Recovery = 97.62%			
87) Terphenyl-d14	8.734	244	571942	37.83	ppm	0.00
Spiked Amount 50.000			Recovery = 75.66%			
115) 1-chlorooctadecane	0.000	57	0d	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
116) o-terphenyl	0.000	230	0d	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
38) Naphthalene	5.107	128	11849	0.6626	ppm	99
44) 2-Methylnaphthalene	5.508	141	4217	0.4041	ppm	89
45) 1-Methylnaphthalene	5.567	141	4533	0.4532	ppm	92
56) Acenaphthylene	6.075	152	91174	6.3394	ppm	98
59) Acenaphthene	6.193	153	20826	1.7368	ppm	97
66) Fluorene	6.562	166	30141m	2.3555	ppm	
78) Phenanthrene	7.327	178	387112	25.8677	ppm	99
79) Anthracene	7.375	178	135809	9.0927	ppm	95
82) Fluoranthene	8.391	202	1258043	77.1710	ppm	98
86) Pyrene	8.600	202	1128829	57.0873	ppm	99
89) Benzo[a]anthracene	9.739	228	682074	34.8080	ppm	99
91) Chrysene	9.777	228	566640	30.4112	ppm	96
95) Benzo[b]fluoranthene	10.729	252	1084917m	44.9638	ppm	
96) Benzo[k]fluoranthene	10.750	252	386877m	17.7857	ppm	
97) Benzo[a]pyrene	11.023	252	857625	44.6159	ppm	99
98) Indeno[1,2,3-cd]pyrene	12.178	276	577782	21.7618	ppm	96
100) Dibenz[a,h]anthracene	12.173	278	158163	7.2746	ppm	87
102) Benzo[g,h,i]perylene	12.499	276	581587	28.5539	ppm	97

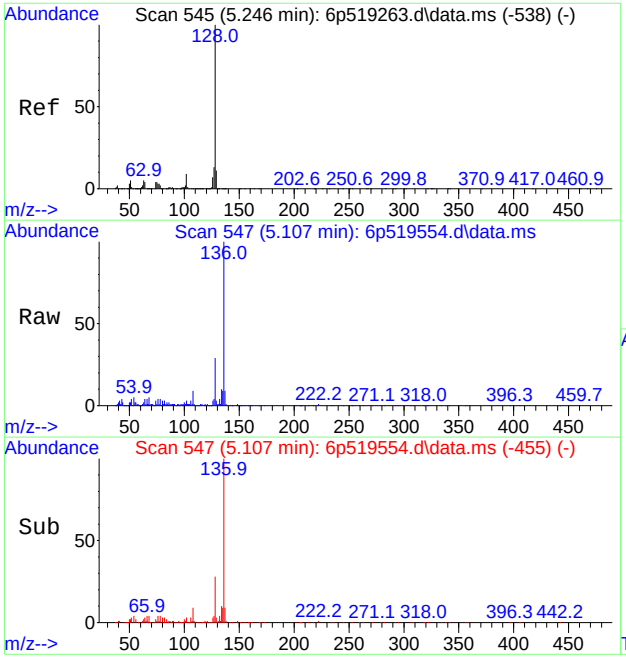
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\altheam\e6p4336\
Data File : 6p519554.d
Acq On : 17 Dec 2024 4:56 pm
Operator : anthonyo
Sample : je1542-5t Inst : GCMS6P
Misc : op60221,e6p4336,31.4,,,1,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 18 07:12:19 2024
Quant Method : X:\Dayton SVOA GCMS\altheam\method\M6P4256.M
Quant Title : Semi Volatile GC/MS,zb-5msplus30m x .25mm x .25um
QLast Update : Wed Dec 18 06:35:30 2024
Response via : Initial Calibration

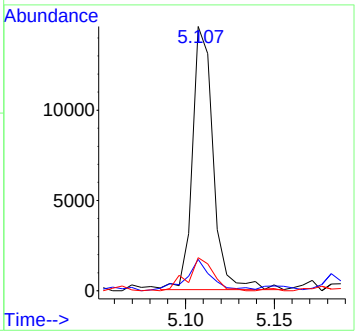


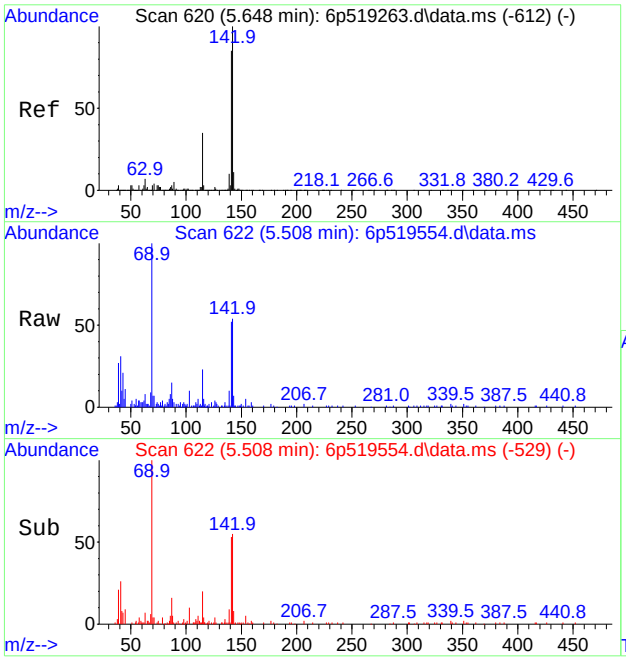


#38
Naphthalene
Concen: 0.6626 ppm
RT: 5.107 min Scan# 547
Delta R.T. -0.005 min
Lab File: 6p519554.d
Acq: 17 Dec 2024 4:56 pm

Tgt Ion:128 Resp: 11849

Ion	Ratio	Lower	Upper
128	100		
129	10.6	0.0	40.5
127	12.7	0.0	43.2

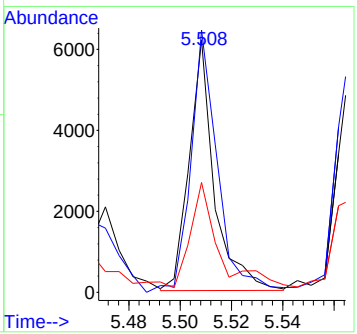


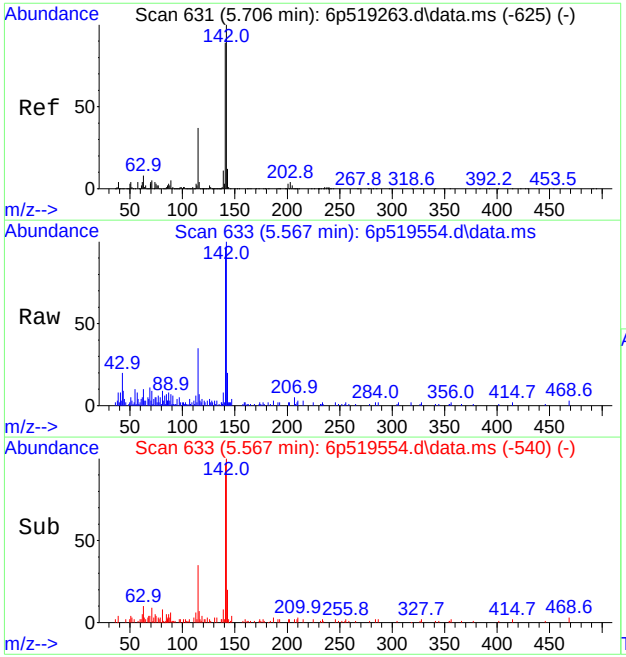


#44
2-Methylnaphthalene
Concen: 0.4041 ppm
RT: 5.508 min Scan# 622
Delta R.T. -0.000 min
Lab File: 6p519554.d
Acq: 17 Dec 2024 4:56 pm

Tgt Ion:141 Resp: 4217

Ion	Ratio	Lower	Upper
141	100		
142	104.4	86.9	146.9
115	41.1	5.9	65.9

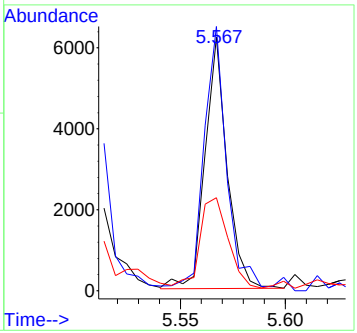


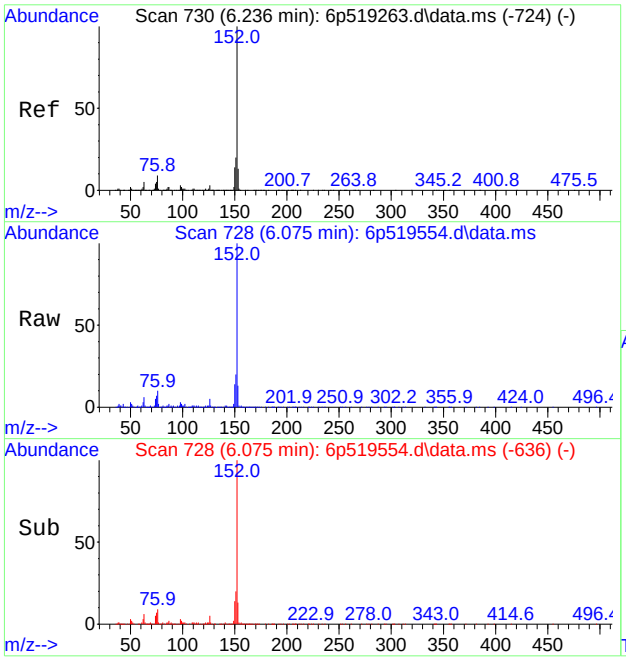


#45
1-Methylnaphthalene
Concen: 0.4532 ppm
RT: 5.567 min Scan# 633
Delta R.T. -0.000 min
Lab File: 6p519554.d
Acq: 17 Dec 2024 4:56 pm

Tgt Ion:141 Resp: 4533

Ion	Ratio	Lower	Upper
141	100		
142	101.8	81.4	141.4
115	33.7	7.3	67.3

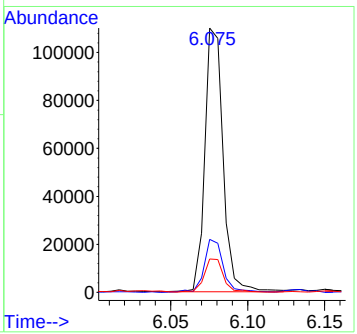


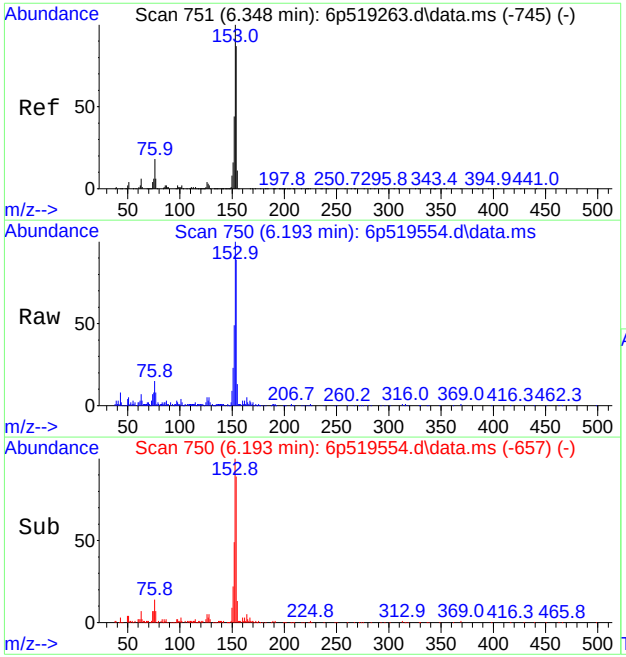


#56
Acenaphthylene
Concen: 6.3394 ppm
RT: 6.075 min Scan# 728
Delta R.T. -0.005 min
Lab File: 6p519554.d
Acq: 17 Dec 2024 4:56 pm

Tgt Ion:152 Resp: 91174

Ion	Ratio	Lower	Upper
152	100		
151	19.9	0.0	50.9
153	12.1	0.0	43.2

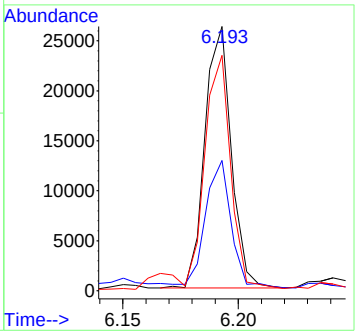


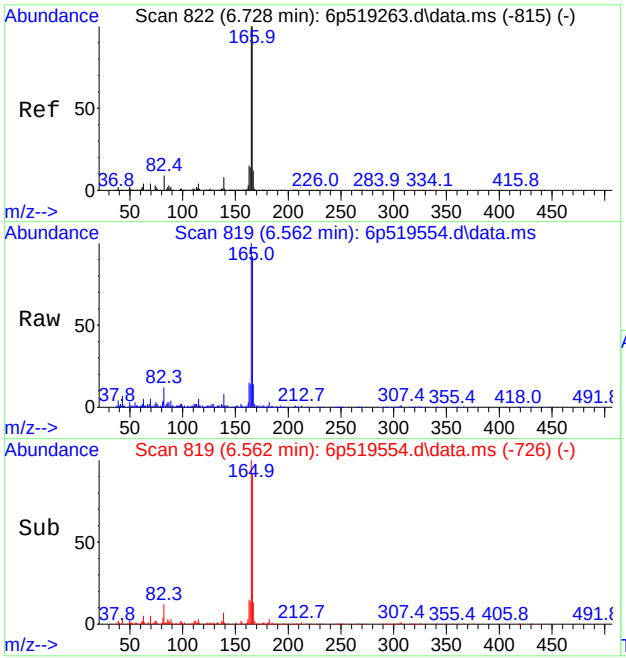


#59
Acenaphthene
Concen: 1.7368 ppm
RT: 6.193 min Scan# 750
Delta R.T. -0.000 min
Lab File: 6p519554.d
Acq: 17 Dec 2024 4:56 pm

Tgt Ion:153 Resp: 20826

Ion	Ratio	Lower	Upper
153	100		
152	47.3	12.9	72.9
154	86.2	55.3	115.3

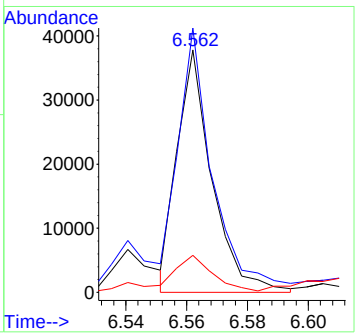


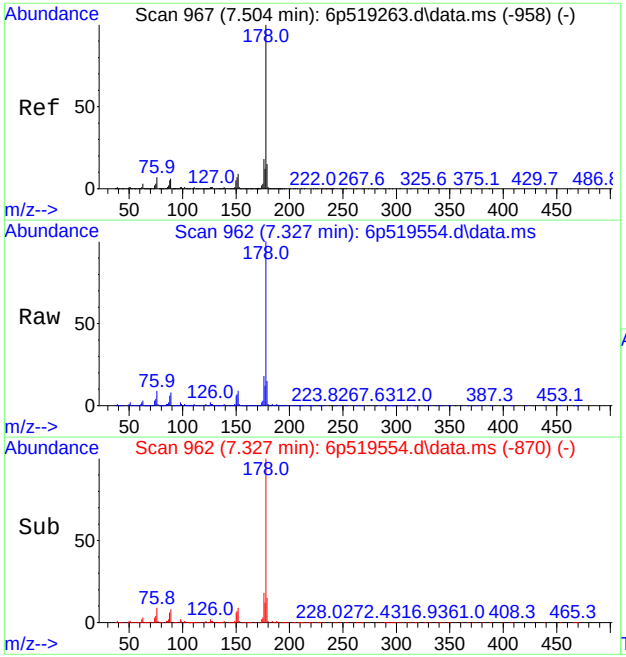


#66
Fluorene
Concen: 2.3555 ppm m
RT: 6.562 min Scan# 819
Delta R.T. -0.000 min
Lab File: 6p519554.d
Acq: 17 Dec 2024 4:56 pm

Tgt Ion:166 Resp: 30141

Ion	Ratio	Lower	Upper
166	100		
165	109.1	66.4	126.4
167	15.3	0.0	42.5

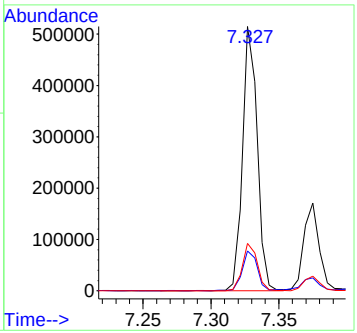


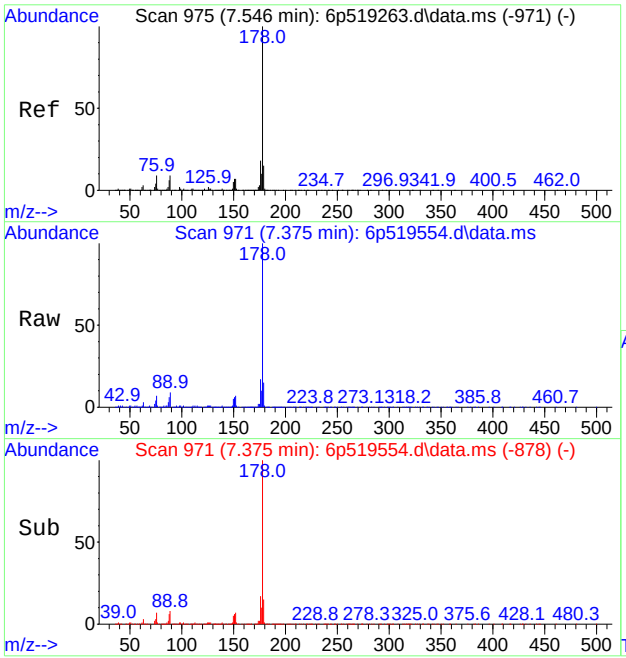


#78
Phenanthrene
Concen: 25.8677 ppm
RT: 7.327 min Scan# 962
Delta R.T. -0.005 min
Lab File: 6p519554.d
Acq: 17 Dec 2024 4:56 pm

Tgt Ion:178 Resp: 387112

Ion	Ratio	Lower	Upper
178	100		
179	14.9	0.0	44.9
176	18.0	0.0	48.6

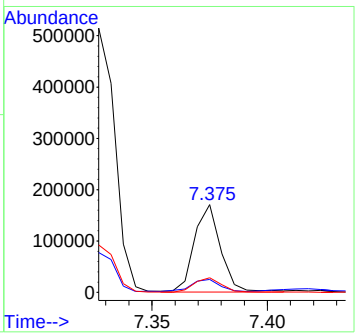


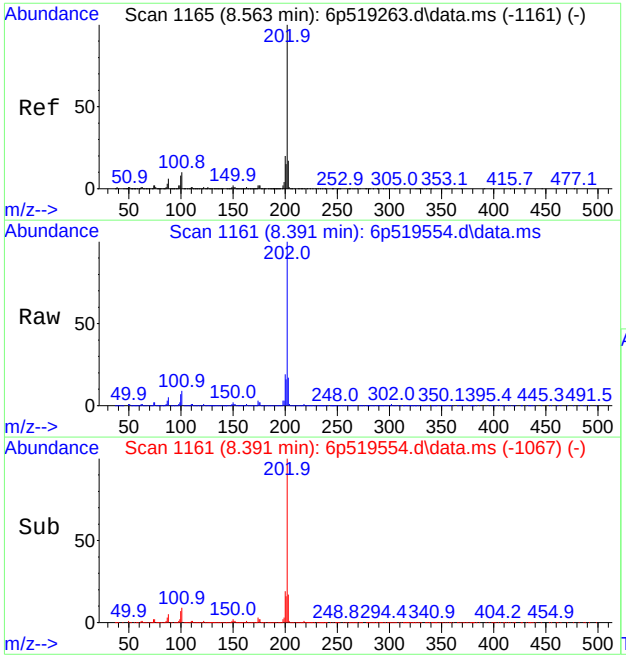


#79
Anthracene
Concen: 9.0927 ppm
RT: 7.375 min Scan# 971
Delta R.T. -0.000 min
Lab File: 6p519554.d
Acq: 17 Dec 2024 4:56 pm

Tgt Ion:178 Resp: 135809

Ion	Ratio	Lower	Upper
178	100		
179	12.9	0.0	46.0
176	16.7	0.0	48.2

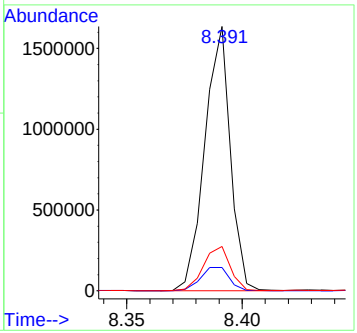


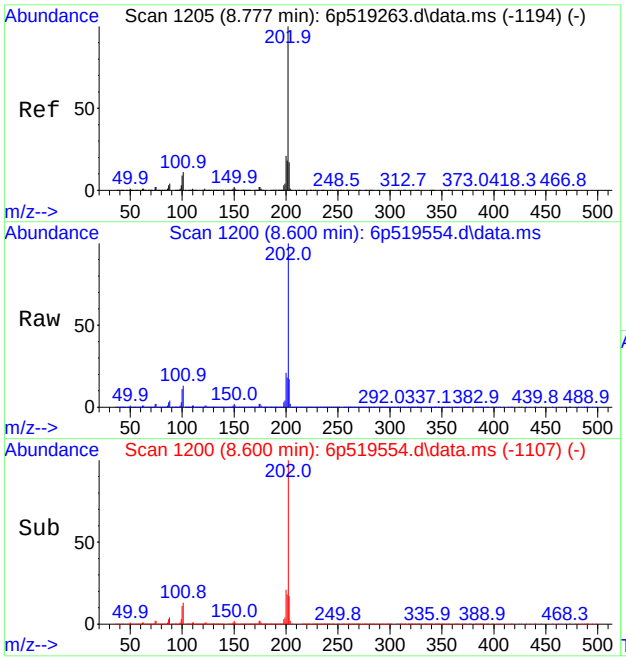


#82
Fluoranthene
Concen: 77.1710 ppm
RT: 8.391 min Scan# 1161
Delta R.T. 0.005 min
Lab File: 6p519554.d
Acq: 17 Dec 2024 4:56 pm

Tgt Ion:202 Resp: 1258043

Ion	Ratio	Lower	Upper
202	100		
101	8.8	0.0	40.4
203	16.7	0.0	46.8

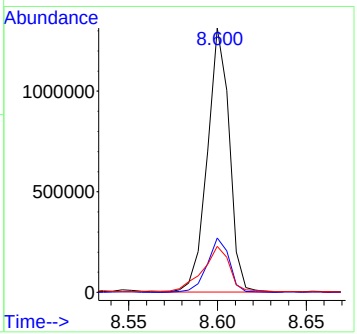


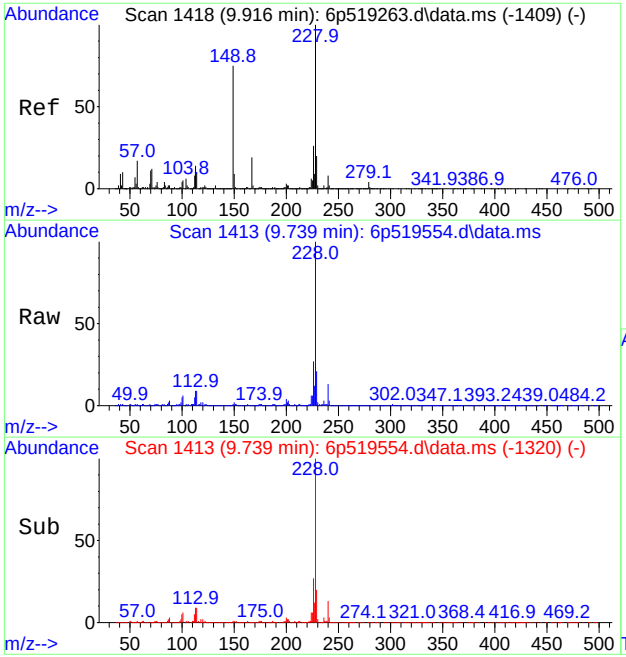


#86
Pyrene
Concen: 57.0873 ppm
RT: 8.600 min Scan# 1200
Delta R.T. -0.000 min
Lab File: 6p519554.d
Acq: 17 Dec 2024 4:56 pm

Tgt Ion:202 Resp: 1128829

Ion	Ratio	Lower	Upper
202	100		
200	20.6	0.0	50.1
203	17.0	0.0	46.8

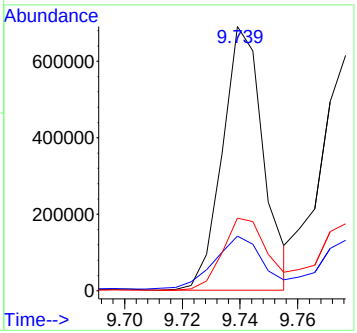


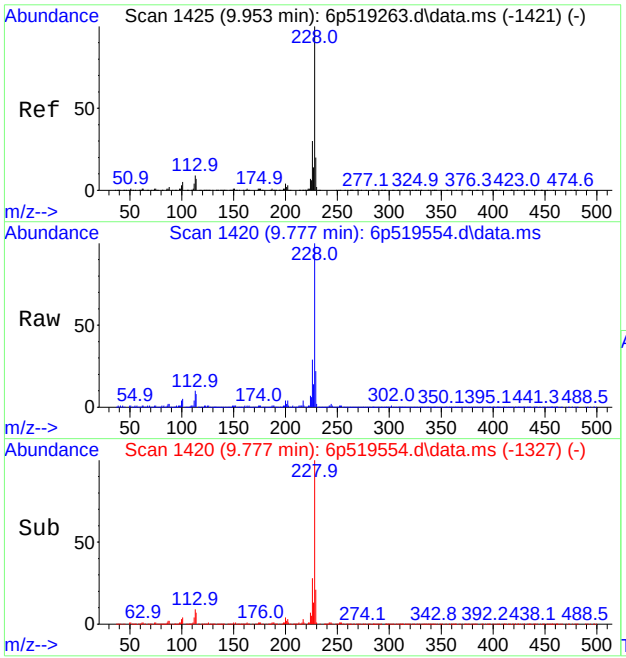


#89
Benzo[a]anthracene
Concen: 34.8080 ppm
RT: 9.739 min Scan# 1413
Delta R.T. -0.000 min
Lab File: 6p519554.d
Acq: 17 Dec 2024 4:56 pm

Tgt Ion:228 Resp: 682074

Ion	Ratio	Lower	Upper
228	100		
229	19.8	0.0	49.1
226	26.1	0.0	55.8

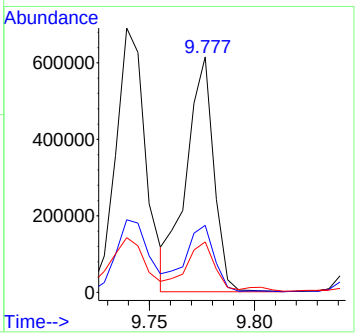


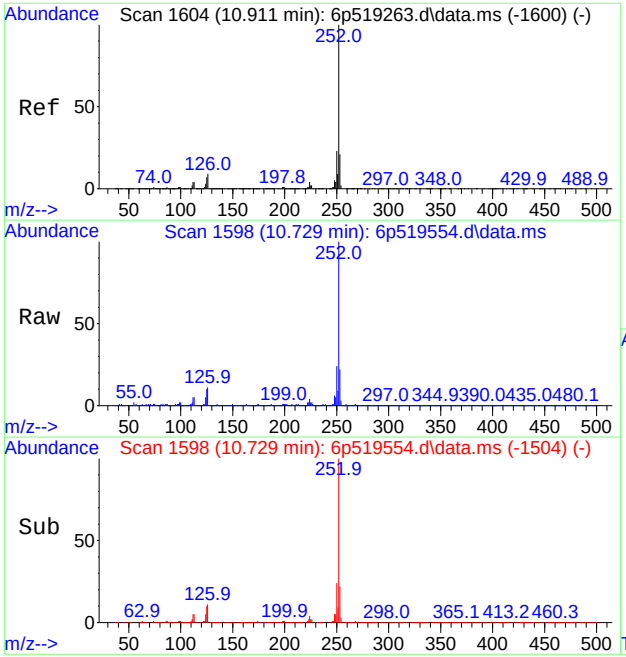


#91
Chrysene
Concen: 30.4112 ppm
RT: 9.777 min Scan# 1420
Delta R.T. -0.000 min
Lab File: 6p519554.d
Acq: 17 Dec 2024 4:56 pm

Tgt Ion:228 Resp: 566640

Ion	Ratio	Lower	Upper
228	100		
226	27.0	0.0	58.8
229	20.9	0.0	49.2

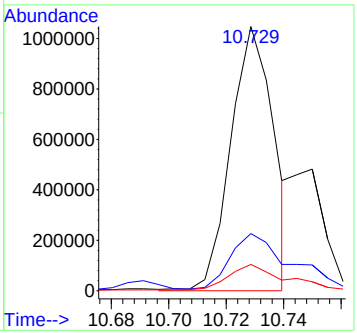


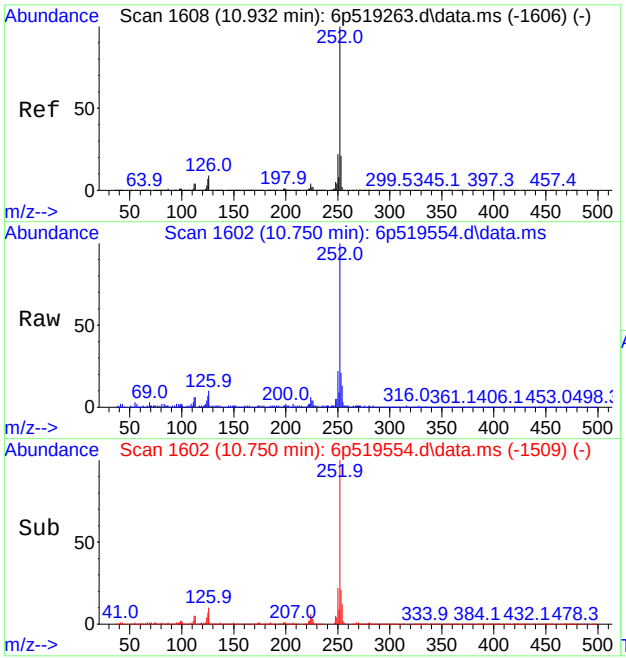


#95
Benzo[b]fluoranthene
Concen: 44.9638 ppm m
RT: 10.729 min Scan# 1598
Delta R.T. 0.005 min
Lab File: 6p519554.d
Acq: 17 Dec 2024 4:56 pm

Tgt Ion:252 Resp: 1084917

Ion	Ratio	Lower	Upper
252	100		
253	21.6	0.0	51.7
125	10.0	0.0	39.7

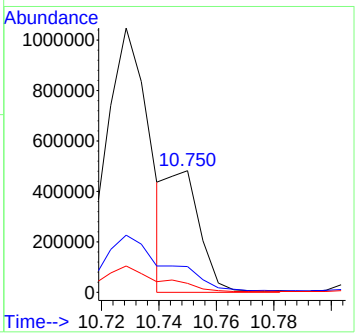


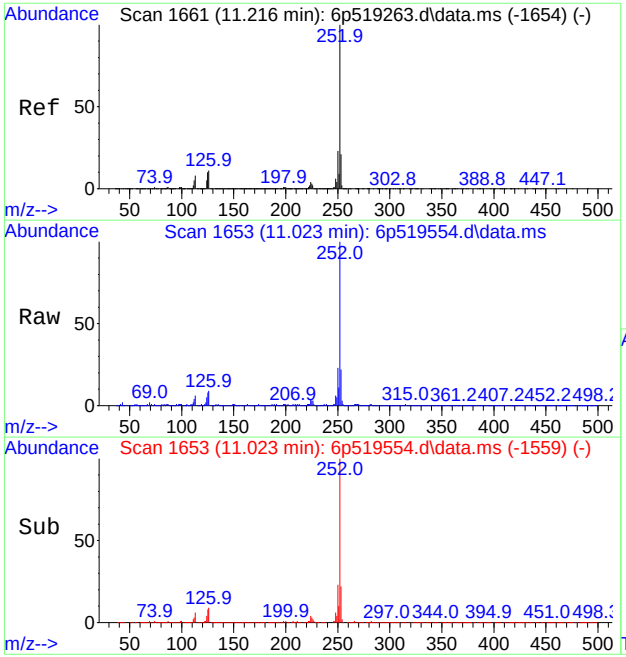


#96
Benzo[k]fluoranthene
Concen: 17.7857 ppm m
RT: 10.750 min Scan# 1602
Delta R.T. -0.000 min
Lab File: 6p519554.d
Acq: 17 Dec 2024 4:56 pm

Tgt Ion:252 Resp: 386877

Ion	Ratio	Lower	Upper
252	100		
253	21.2	0.0	51.4
125	7.3	0.0	37.8

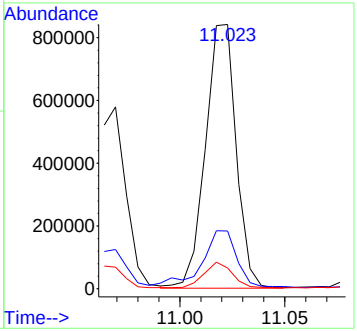


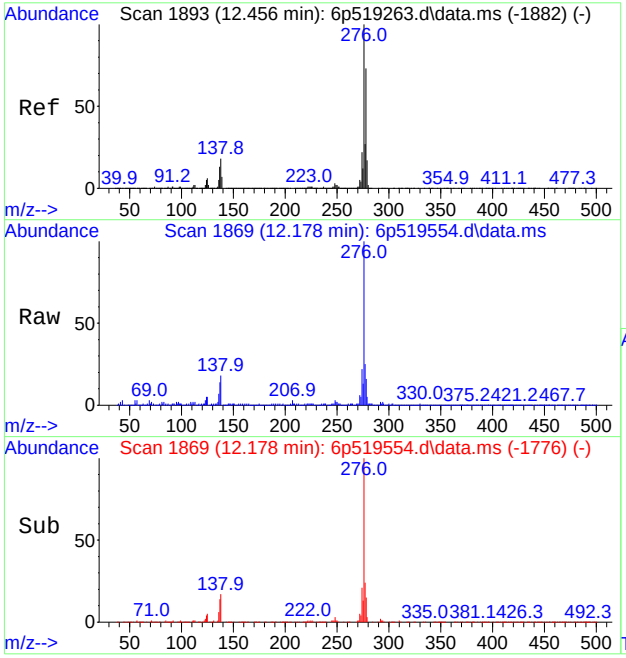


#97
Benzo[a]pyrene
Concen: 44.6159 ppm
RT: 11.023 min Scan# 1653
Delta R.T. 0.005 min
Lab File: 6p519554.d
Acq: 17 Dec 2024 4:56 pm

Tgt Ion:252 Resp: 857625

Ion	Ratio	Lower	Upper
252	100		
253	20.6	0.0	51.0
125	7.5	0.0	37.9

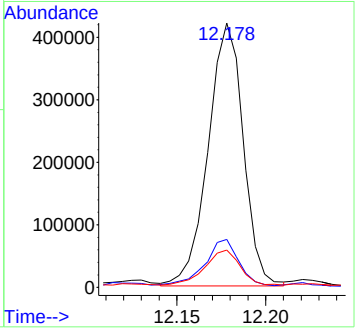


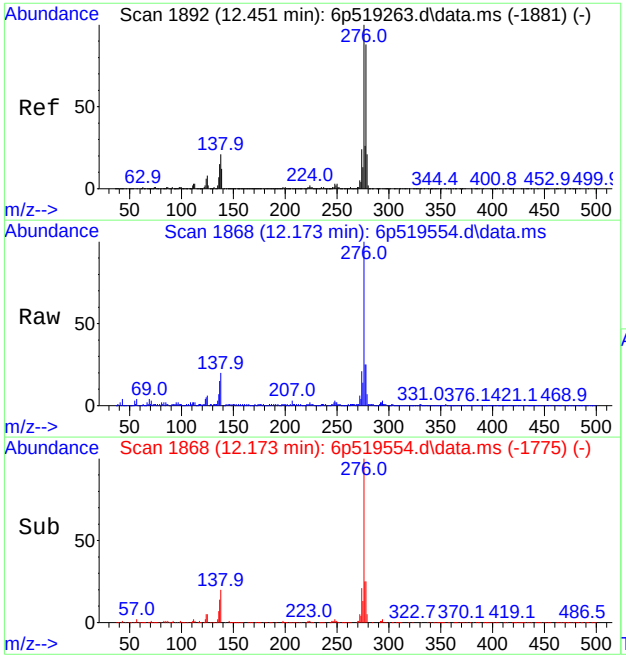


#98
Indeno[1,2,3-cd]pyrene
Concen: 21.7618 ppm
RT: 12.178 min Scan# 1869
Delta R.T. -0.000 min
Lab File: 6p519554.d
Acq: 17 Dec 2024 4:56 pm

Tgt Ion:276 Resp: 577782

Ion	Ratio	Lower	Upper
276	100		
138	17.4	0.0	49.9
137	13.5	0.0	44.3

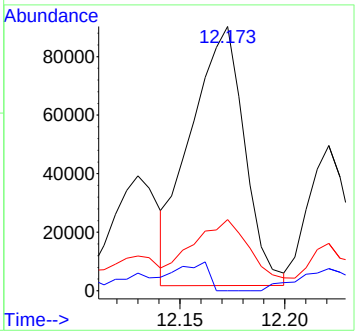


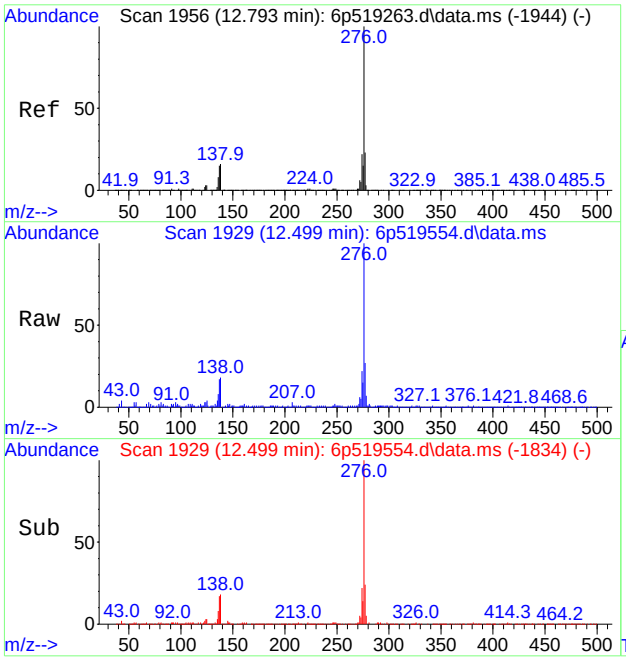


#100
Dibenz[a,h]anthracene
Concen: 7.2746 ppm
RT: 12.173 min Scan# 1868
Delta R.T. -0.000 min
Lab File: 6p519554.d
Acq: 17 Dec 2024 4:56 pm

Tgt Ion:278 Resp: 158163

Ion	Ratio	Lower	Upper
278	100		
139	0.0	0.0	42.8
279	24.8	0.0	53.3

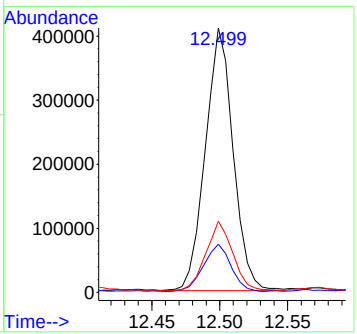




#102
Benzo[g,h,i]perylene
Concen: 28.5539 ppm
RT: 12.499 min Scan# 1929
Delta R.T. 0.011 min
Lab File: 6p519554.d
Acq: 17 Dec 2024 4:56 pm

Tgt Ion:276 Resp: 581587

Ion	Ratio	Lower	Upper
276	100		
138	18.0	0.0	47.9
277	26.5	0.0	53.6



Manual Integrations APPROVED (compounds with "m" flag)
Jacky Takeuchi 12/09/24 22:18

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\recheleb\E4P3703\
Data File : 4p694161.d
Acq On : 6 Dec 2024 7:51 pm
Operator : kaleigh
Sample : je1542-6 Inst : GCMS4P
Misc : op59876,e4p3703,30.2,,,1,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 08 10:41:15 2024
Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Sun Dec 08 08:17:46 2024
Response via : Initial Calibration

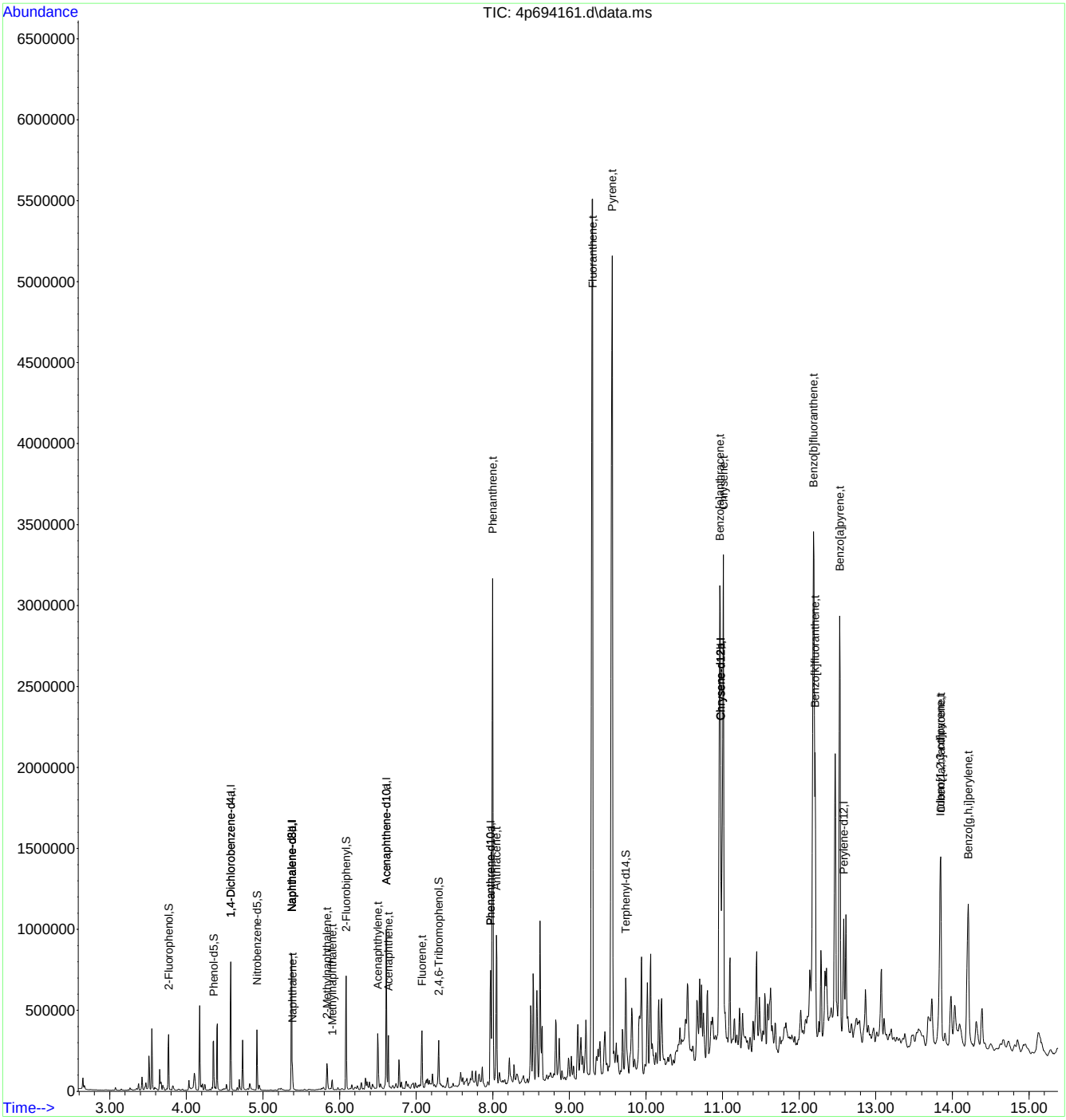
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.580	152	86680	40.00	ppm	0.00
24) Naphthalene-d8	5.376	136	309976	40.00	ppm	0.00
46) Acenaphthene-d10	6.610	164	165834	40.00	ppm	0.00
69) Phenanthrene-d10	7.972	188	263248	40.00	ppm	0.00
84) Chrysene-d12	10.974	240	296791	40.00	ppm	0.02
93) Perylene-d12	12.582	264	277395	40.00	ppm	0.03
103) 1,4-Dichlorobenzene-d4a	4.580	152	86680	40.00	ppm	0.00
105) Acenaphthene-d10a	6.610	164	165834	40.00	ppm	0.00
107) Chrysene-d12a	10.974	240	296791	40.00	ppm	0.02
109) Phenanthrene-d10a	7.972	188	263248	40.00	ppm	0.00
111) Naphthalene-d8a	5.376	136	309976	40.00	ppm	0.00
113) Chrysene-d12b	10.974	240	296791	40.00	ppm	0.02
115) Naphthalene-d8b	5.376	136	309976	40.00	ppm	0.00
118) Naphthalene-d8c	5.376	136	309976	40.00	ppm	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.768	112	68584	28.79	ppm	0.01
Spiked Amount 50.000			Recovery =	57.58%		
8) Phenol-d5	4.355	99	84109	26.83	ppm	0.01
Spiked Amount 50.000			Recovery =	53.66%		
25) Nitrobenzene-d5	4.922	82	76656	27.92	ppm	0.00
Spiked Amount 50.000			Recovery =	55.84%		
51) 2-Fluorobiphenyl	6.086	172	162099	28.71	ppm	0.00
Spiked Amount 50.000			Recovery =	57.42%		
74) 2,4,6-Tribromophenol	7.294	330	19541	29.46	ppm	0.00
Spiked Amount 50.000			Recovery =	58.92%		
87) Terphenyl-d14	9.735	244	182416	24.71	ppm	0.00
Spiked Amount 50.000			Recovery =	49.42%		
108) 1-chlorooctadecane	0.000	57	0d	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
110) o-terphenyl	0.000	230	0d	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
38) Naphthalene	5.386	128	33603	4.1460	ppm	99
44) 2-Methylnaphthalene	5.835	141	14627	2.9800	ppm	99
45) 1-Methylnaphthalene	5.905	142	13623	2.6163	ppm	96
56) Acenaphthylene	6.498	152	134021	19.8246	ppm	100
59) Acenaphthene	6.637	153	62608	12.1196	ppm	96
66) Fluorene	7.075	166	86020m	15.3734	ppm	
78) Phenanthrene	7.999	178	1114455	151.2502	ppm	97
79) Anthracene	8.047	178	340420	46.9982	ppm	100
82) Fluoranthene	9.302	202	2660991	333.0149	ppm	98
86) Pyrene	9.559	202	2745343	262.8985	ppm	97
89) Benzo[a]anthracene	10.964	228	1315571m	136.3328	ppm	
91) Chrysene	11.012	228	1331853m	143.1557	ppm	
95) Benzo[b]fluoranthene	12.187	252	1702749m	198.3056	ppm	
96) Benzo[k]fluoranthene	12.209	252	434885m	53.4152	ppm	
97) Benzo[a]pyrene	12.529	252	1105286	152.2590	ppm	99
98) Indeno[1,2,3-cd]pyrene	13.843	276	628709	65.0433	ppm	99
100) Dibenz[a,h]anthracene	13.849	278	154970	19.7690	ppm	93
102) Benzo[g,h,i]perylene	14.207	276	603938	82.5233	ppm	97

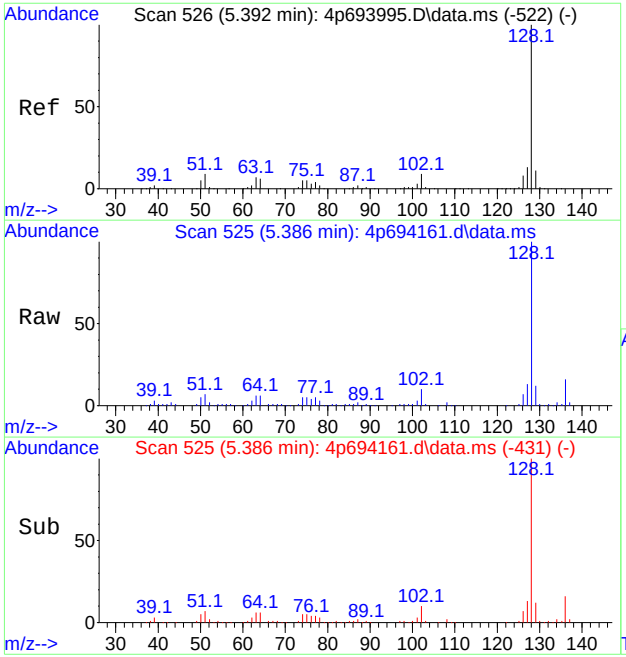
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\recheleb\E4P3703\
Data File : 4p694161.d
Acq On : 6 Dec 2024 7:51 pm
Operator : kaleigh
Sample : je1542-6 Inst : GCMS4P
Misc : op59876,e4p3703,30.2,,,1,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 08 10:41:15 2024
Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Sun Dec 08 08:17:46 2024
Response via : Initial Calibration

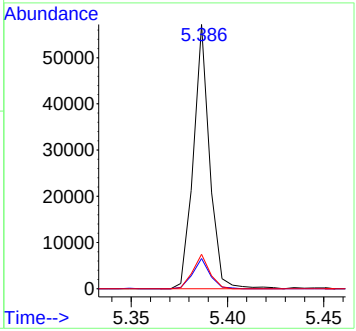


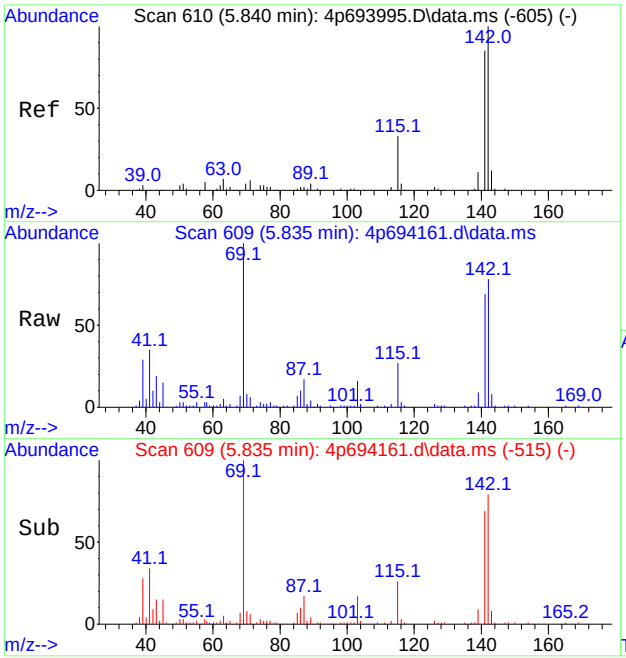


#38
Naphthalene
Concen: 4.1460 ppm
RT: 5.386 min Scan# 525
Delta R.T. -0.000 min
Lab File: 4p694161.d
Acq: 6 Dec 2024 7:51 pm

Tgt Ion:128 Resp: 33603

Ion	Ratio	Lower	Upper
128	100		
129	11.5	0.0	40.8
127	13.0	0.0	42.7

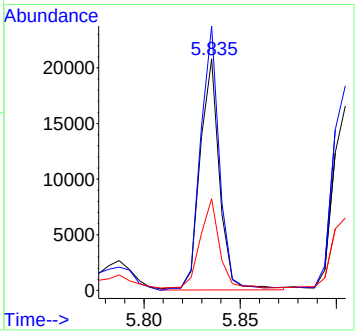


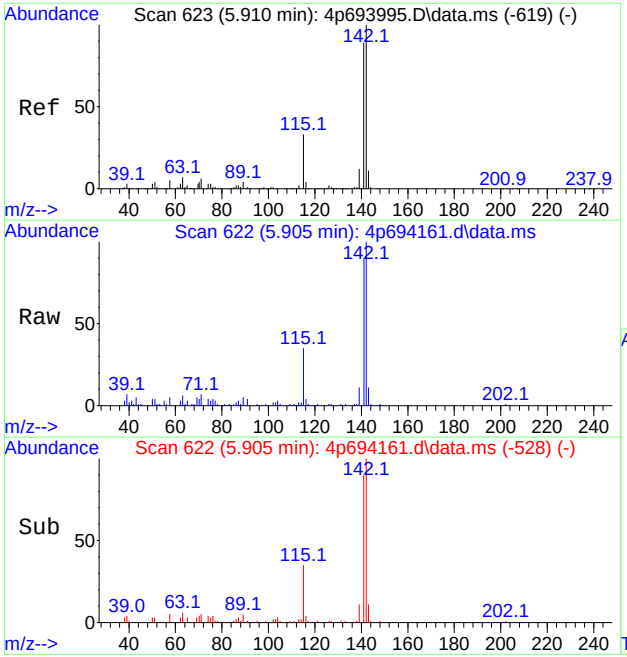


#44
2-Methylnaphthalene
Concen: 2.9800 ppm
RT: 5.835 min Scan# 609
Delta R.T. -0.000 min
Lab File: 4p694161.d
Acq: 6 Dec 2024 7:51 pm

Tgt Ion:141 Resp: 14627

Ion	Ratio	Lower	Upper
141	100		
142	114.6	84.2	144.2
115	38.9	7.8	67.8

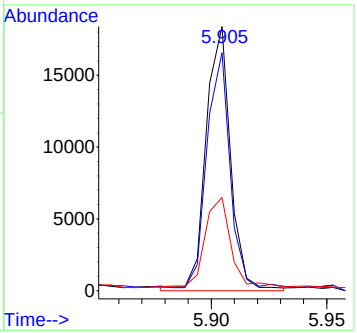


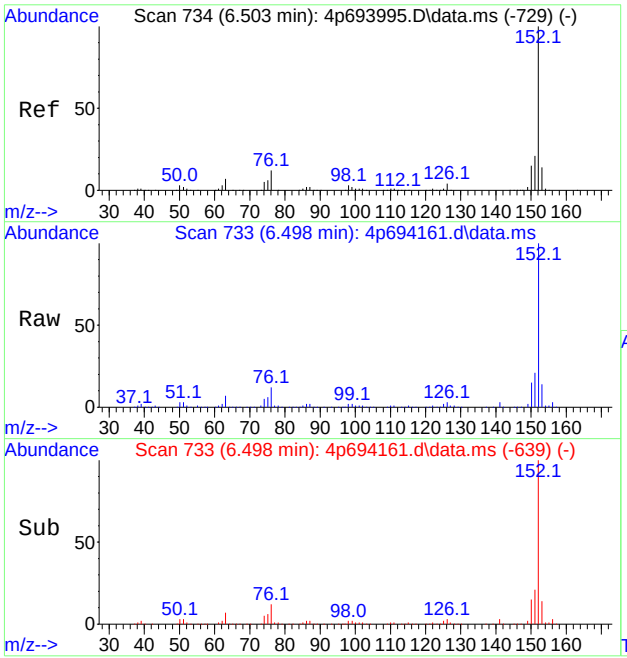


#45
1-Methylnaphthalene
Concen: 2.6163 ppm
RT: 5.905 min Scan# 622
Delta R.T. -0.000 min
Lab File: 4p694161.d
Acq: 6 Dec 2024 7:51 pm

Tgt Ion:142 Resp: 13623

Ion	Ratio	Lower	Upper
142	100		
141	89.4	55.0	115.0
115	34.2	3.5	63.5

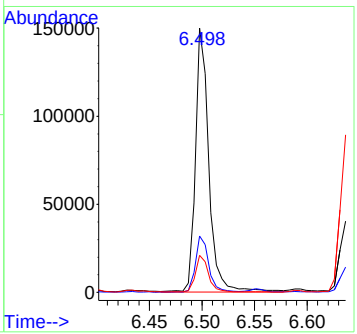


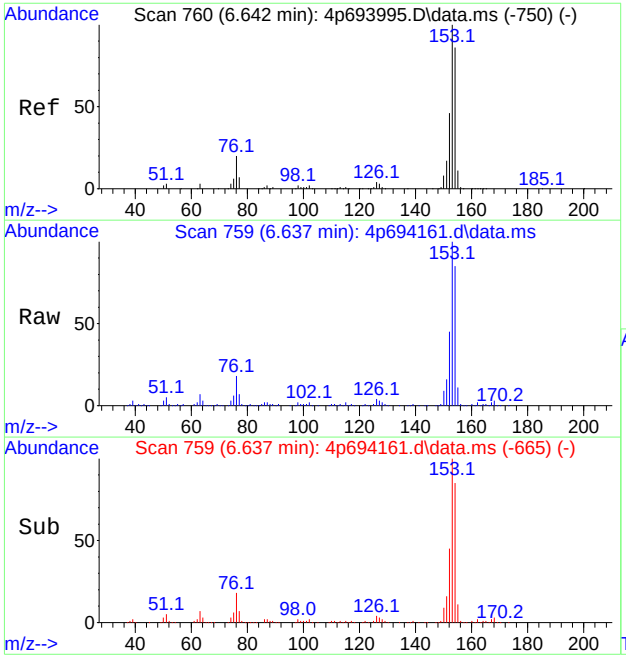


#56
Acenaphthylene
Concen: 19.8246 ppm
RT: 6.498 min Scan# 733
Delta R.T. -0.000 min
Lab File: 4p694161.d
Acq: 6 Dec 2024 7:51 pm

Tgt Ion:152 Resp: 134021

Ion	Ratio	Lower	Upper
152	100		
151	21.2	0.0	51.0
153	13.9	0.0	44.1

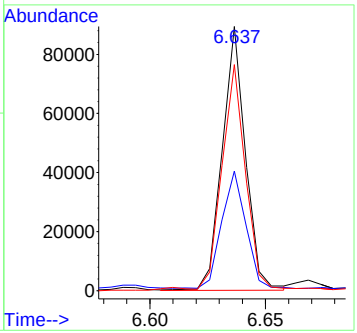


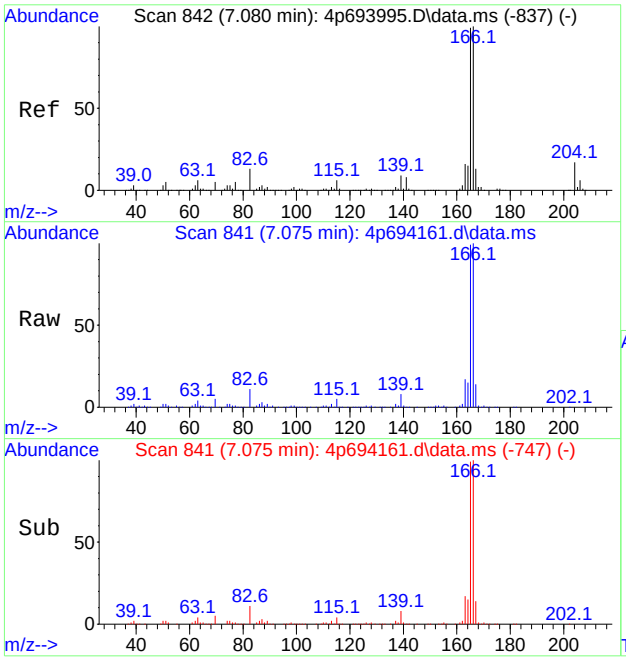


#59
Acenaphthene
Concen: 12.1196 ppm
RT: 6.637 min Scan# 759
Delta R.T. -0.000 min
Lab File: 4p694161.d
Acq: 6 Dec 2024 7:51 pm

Tgt Ion:153 Resp: 62608

Ion	Ratio	Lower	Upper
153	100		
152	44.5	17.0	77.0
154	85.6	51.7	111.7

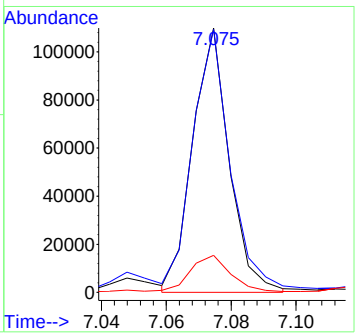


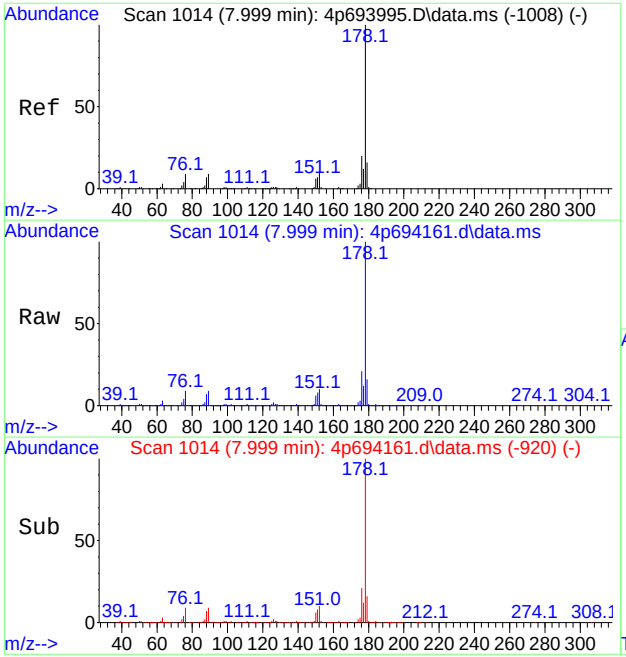


#66
Fluorene
Concen: 15.3734 ppm m
RT: 7.075 min Scan# 841
Delta R.T. -0.000 min
Lab File: 4p694161.d
Acq: 6 Dec 2024 7:51 pm

Tgt Ion:166 Resp: 86020

Ion	Ratio	Lower	Upper
166	100		
165	99.4	70.1	130.1
167	14.0	0.0	43.7

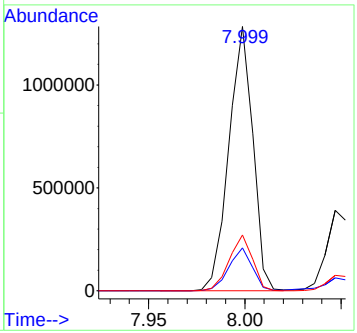


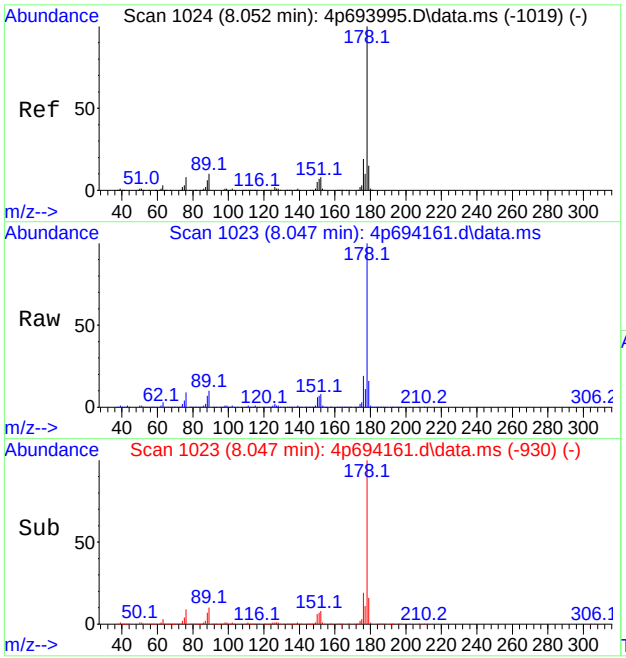


#78
Phenanthrene
Concen: 151.2502 ppm
RT: 7.999 min Scan# 1014
Delta R.T. -0.000 min
Lab File: 4p694161.d
Acq: 6 Dec 2024 7:51 pm

Tgt Ion:178 Resp: 1114455

Ion	Ratio	Lower	Upper
178	100		
179	16.1	0.0	45.1
176	21.1	0.0	49.7

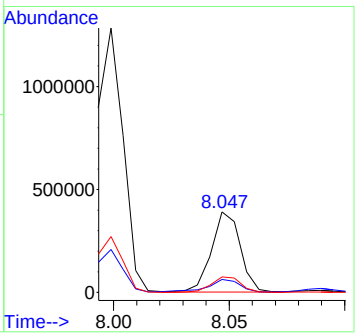


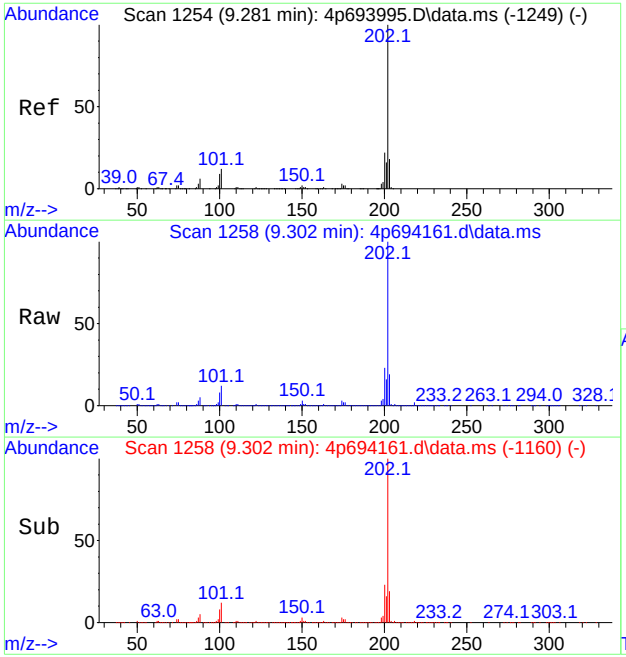


#79
Anthracene
Concen: 46.9982 ppm
RT: 8.047 min Scan# 1023
Delta R.T. -0.005 min
Lab File: 4p694161.d
Acq: 6 Dec 2024 7:51 pm

Tgt Ion:178 Resp: 340420

Ion	Ratio	Lower	Upper
178	100		
179	15.5	0.0	45.3
176	19.3	0.0	49.3

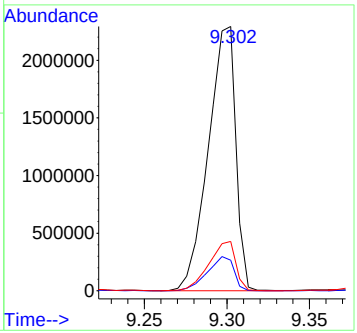


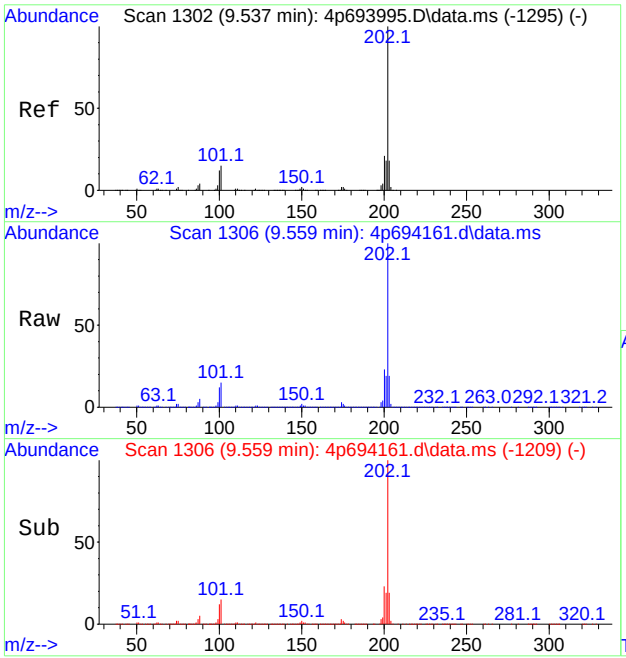


#82
Fluoranthene
Concen: 333.0149 ppm
RT: 9.302 min Scan# 1258
Delta R.T. 0.021 min
Lab File: 4p694161.d
Acq: 6 Dec 2024 7:51 pm

Tgt Ion:202 Resp: 2660991

Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	43.3
203	18.7	0.0	48.2

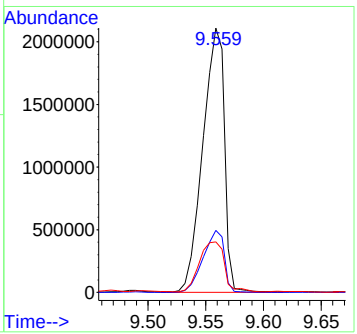


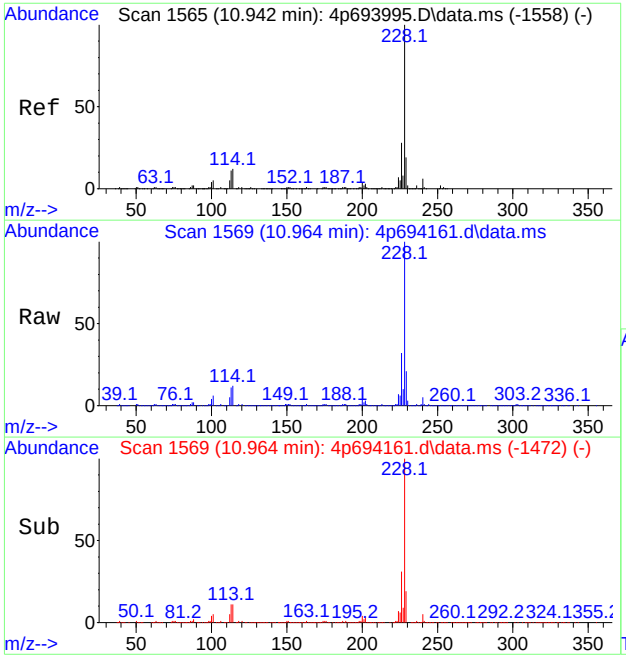


#86
Pyrene
Concen: 262.8985 ppm
RT: 9.559 min Scan# 1306
Delta R.T. 0.016 min
Lab File: 4p694161.d
Acq: 6 Dec 2024 7:51 pm

Tgt Ion:202 Resp: 2745343

Ion	Ratio	Lower	Upper
202	100		
200	23.5	0.0	52.1
203	18.8	0.0	47.5

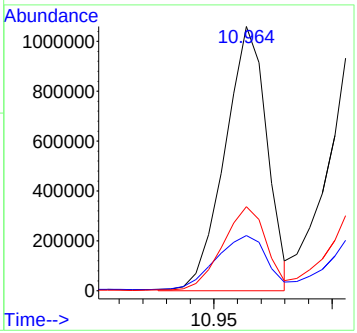


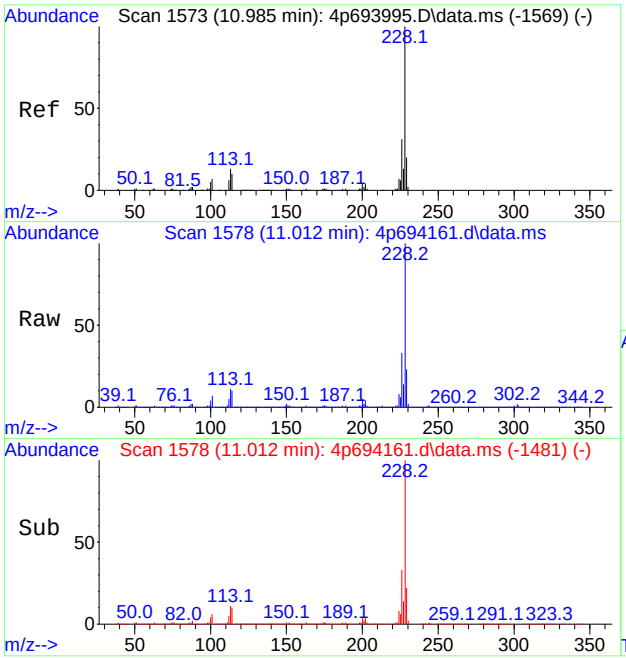


#89
Benzo[a]anthracene
Concen: 136.3328 ppm m
RT: 10.964 min Scan# 1569
Delta R.T. 0.016 min
Lab File: 4p694161.d
Acq: 6 Dec 2024 7:51 pm

Tgt Ion:228 Resp: 1315571

Ion	Ratio	Lower	Upper
228	100		
229	20.9	0.0	49.7
226	31.9	0.0	58.6

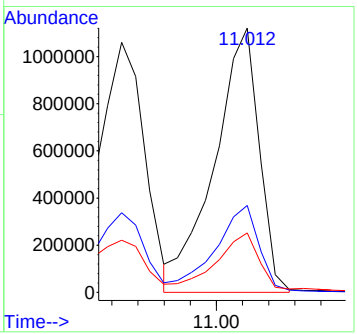


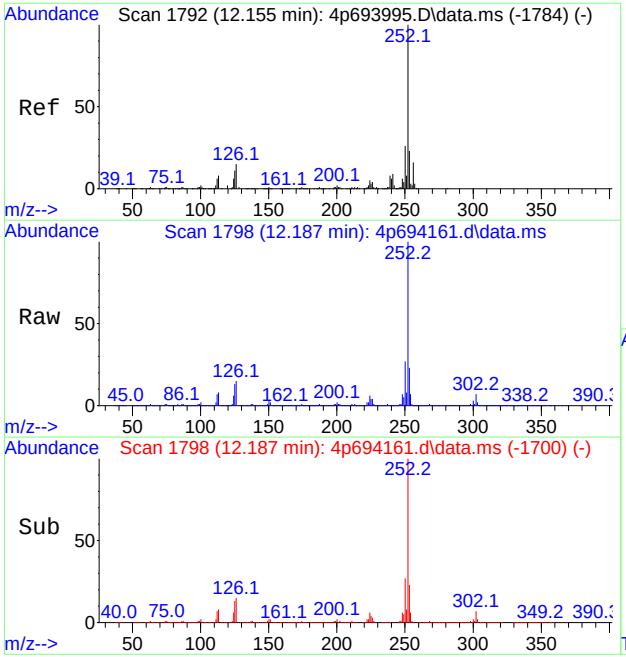


#91
Chrysene
Concen: 143.1557 ppm m
RT: 11.012 min Scan# 1578
Delta R.T. 0.016 min
Lab File: 4p694161.d
Acq: 6 Dec 2024 7:51 pm

Tgt Ion:228 Resp: 1331853

Ion	Ratio	Lower	Upper
228	100		
226	32.9	1.6	61.6
229	22.5	0.0	50.0

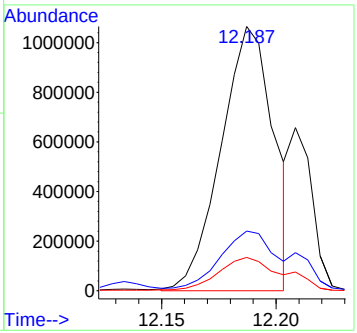


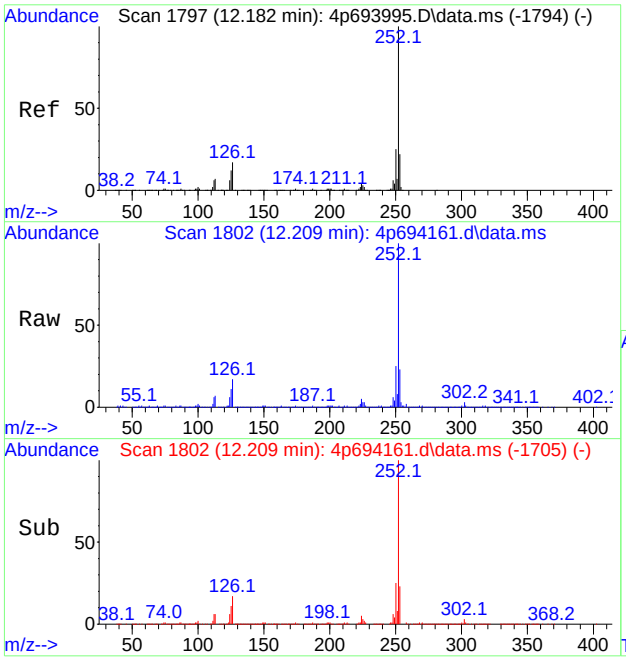


#95
Benzo[b]fluoranthene
Concen: 198.3056 ppm m
RT: 12.187 min Scan# 1798
Delta R.T. 0.021 min
Lab File: 4p694161.d
Acq: 6 Dec 2024 7:51 pm

Tgt Ion:252 Resp: 1702749

Ion	Ratio	Lower	Upper
252	100		
253	22.6	0.0	52.2
125	12.7	0.0	41.9

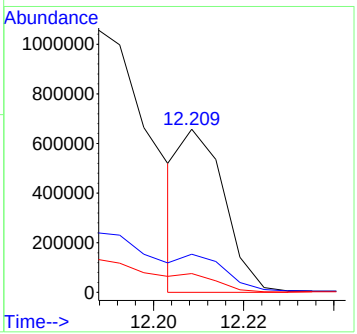


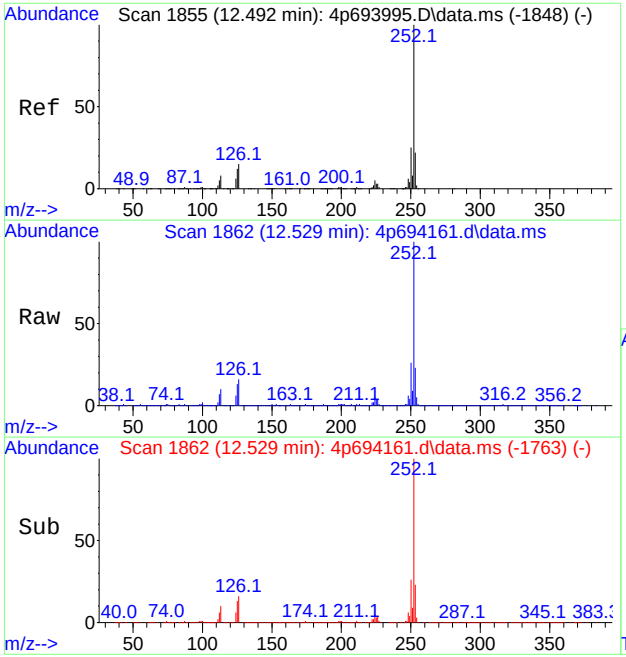


#96
Benzo[k]fluoranthene
Concen: 53.4152 ppm m
RT: 12.209 min Scan# 1802
Delta R.T. 0.016 min
Lab File: 4p694161.d
Acq: 6 Dec 2024 7:51 pm

Tgt Ion:252 Resp: 434885

Ion	Ratio	Lower	Upper
252	100		
253	23.4	0.0	51.9
125	11.5	0.0	41.8

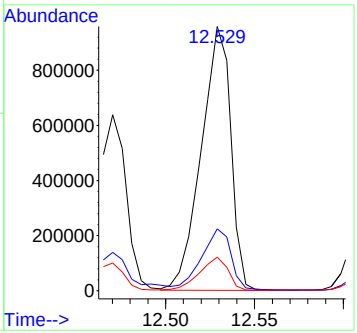


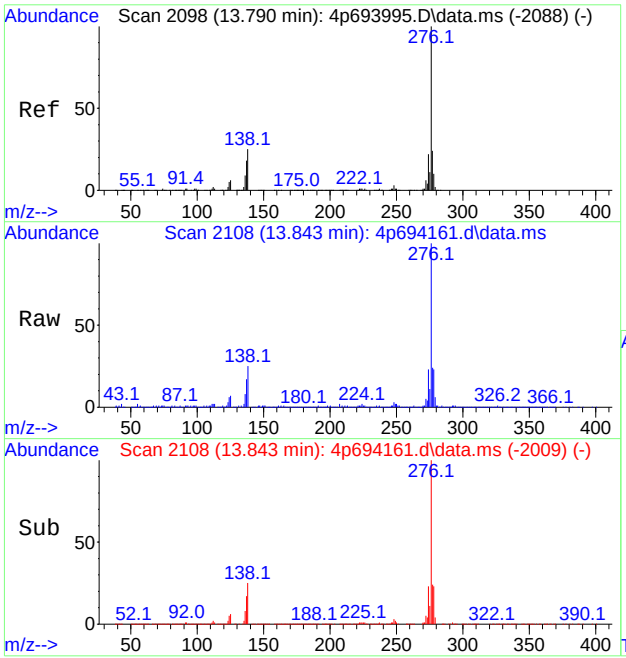


#97
Benzo[a]pyrene
Concen: 152.2590 ppm
RT: 12.529 min Scan# 1862
Delta R.T. 0.027 min
Lab File: 4p694161.d
Acq: 6 Dec 2024 7:51 pm

Tgt Ion:252 Resp: 1105286

Ion	Ratio	Lower	Upper
252	100		
253	22.4	0.0	52.0
125	12.5	0.0	43.3

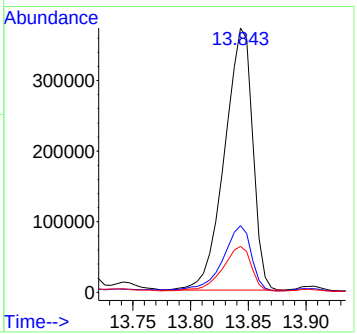


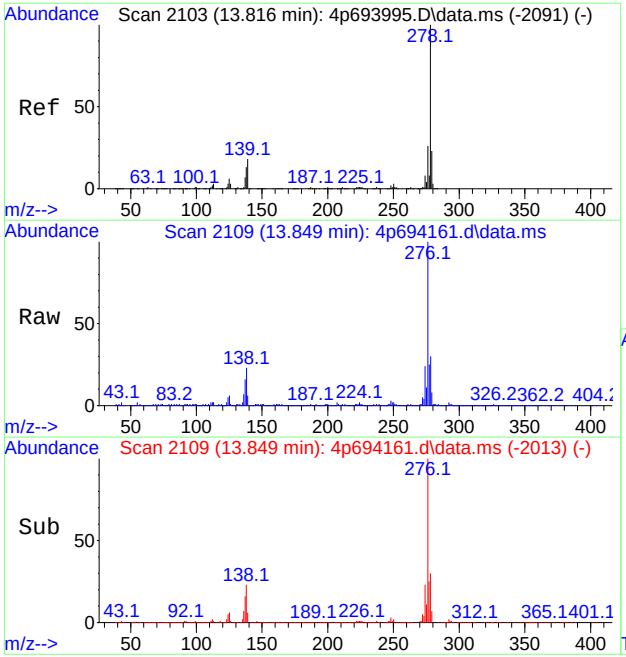


#98
Indeno[1,2,3-cd]pyrene
Concen: 65.0433 ppm
RT: 13.843 min Scan# 2108
Delta R.T. 0.027 min
Lab File: 4p694161.d
Acq: 6 Dec 2024 7:51 pm

Tgt Ion:276 Resp: 628709

Ion	Ratio	Lower	Upper
276	100		
138	24.6	0.0	55.0
137	17.0	0.0	47.6

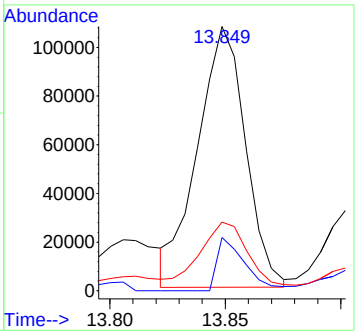


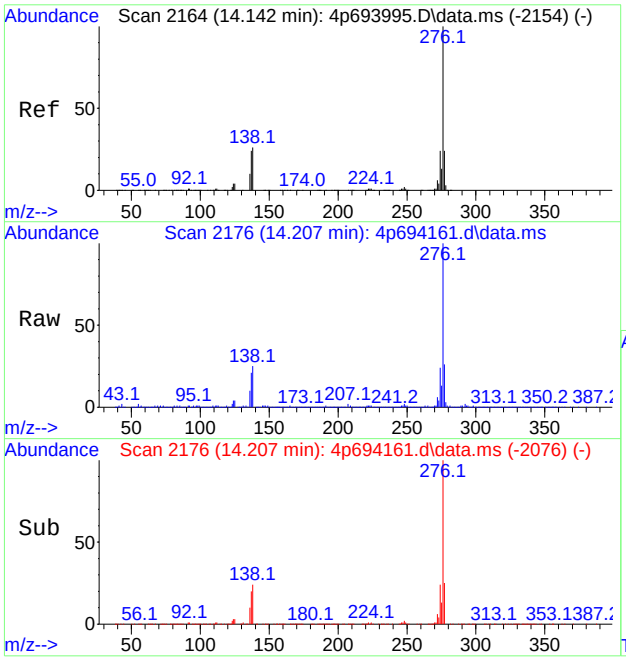


#100
Dibenz[a,h]anthracene
Concen: 19.7690 ppm
RT: 13.849 min Scan# 2109
Delta R.T. 0.011 min
Lab File: 4p694161.d
Acq: 6 Dec 2024 7:51 pm

Tgt Ion:278 Resp: 154970

Ion	Ratio	Lower	Upper
278	100		
139	21.5	0.0	48.0
279	25.2	0.0	52.2

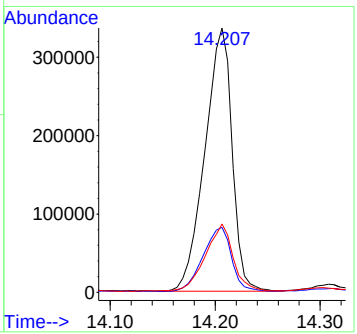




#102
Benzo[g,h,i]perylene
Concen: 82.5233 ppm
RT: 14.207 min Scan# 2176
Delta R.T. 0.032 min
Lab File: 4p694161.d
Acq: 6 Dec 2024 7:51 pm

Tgt Ion:276 Resp: 603938

Ion	Ratio	Lower	Upper
276	100		
138	24.3	0.0	55.7
277	25.4	0.0	53.4



Manual Integrations APPROVED (compounds with "m" flag)
Jacky Takeuchi 12/09/24 22:18

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-09\ECT471\
Data File : ct10202.D
Acq On : 09 Dec 2024 01:07 pm
Operator : kaleigh
Sample : je1542-6 Inst : GCMS_CT
Misc : op59876,ect471,30.2,,,1,5
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Dec 09 19:02:19 2024
Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\mct443.m
Quant Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuWed Aug 10 17:05:37 2022
QLast Update : Mon Dec 09 16:31:56 2024
Response via : Initial Calibration

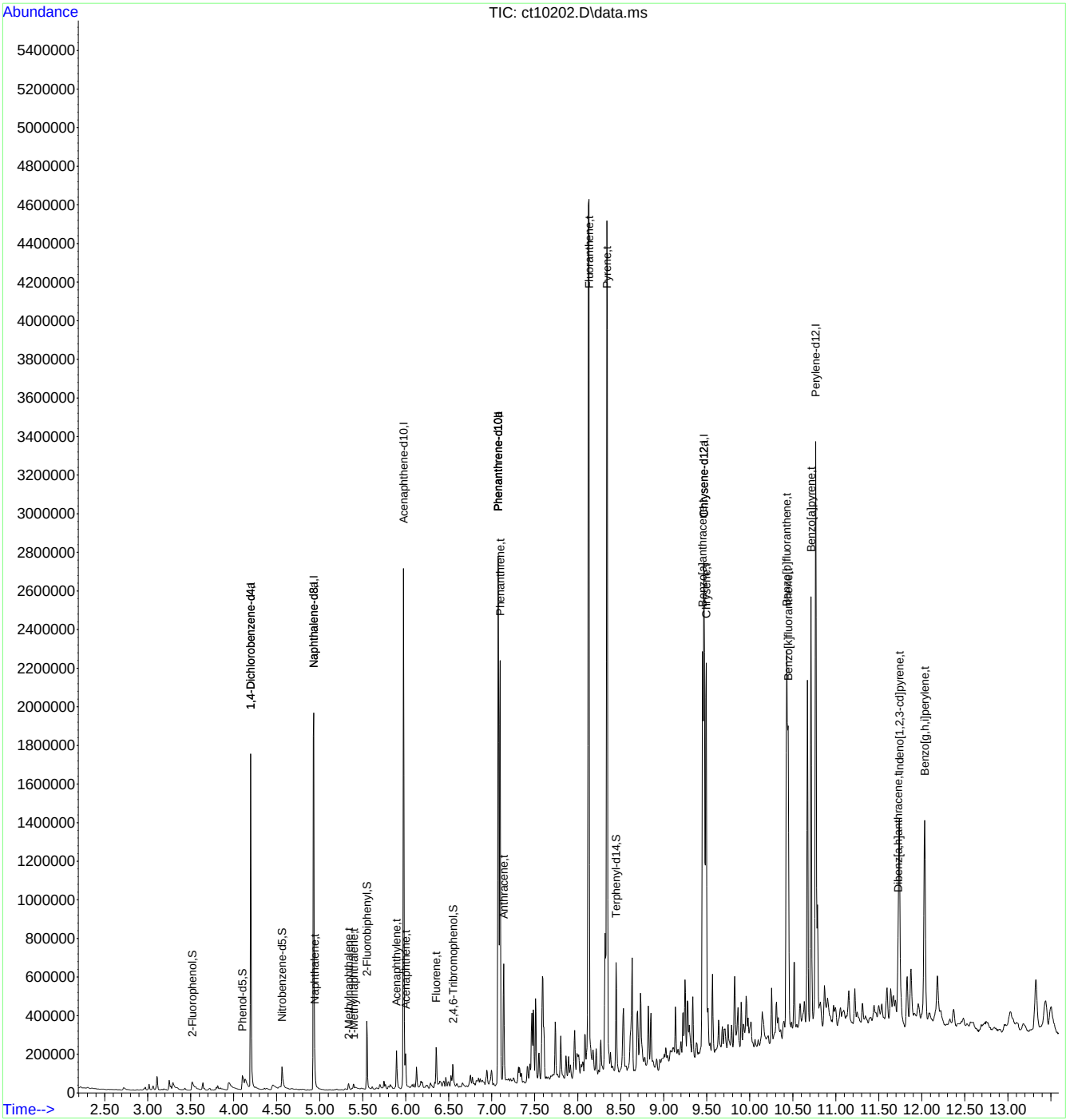
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.198	152	196013	40.00	ppm	0.00
24) Naphthalene-d8	4.931	136	773974	40.00	ppm	0.00
46) Acenaphthene-d10	5.974	164	427209	40.00	ppm	0.00
69) Phenanthrene-d10	7.076	188	738437	40.00	ppm	-0.01
84) Chrysene-d12	9.467	240	677420	40.00	ppm	-0.01
93) Perylene-d12	10.766	264	797240	40.00	ppm	-0.01
103) 1,4-Dichlorobenzene-d4a	4.198	152	196013	40.00	ppm	0.00
105) Phenanthrene-d10a	7.076	188	738437	40.00	ppm	-0.01
107) Naphthalene-d8a	4.931	136	773974	40.00	ppm	0.00
109) Phenanthrene-d10b	7.076	188	738437	40.00	ppm	#-0.01
112) Chrysene-d12a	9.467	240	677420	40.00	ppm	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	3.519	112	27374	4.38	ppm	0.03
Spiked Amount 50.000			Recovery =	8.76%		
8) Phenol-d5	4.102	99	39821	4.91	ppm	0.03
Spiked Amount 50.000			Recovery =	9.82%		
25) Nitrobenzene-d5	4.562	82	39308	5.32	ppm	0.01
Spiked Amount 50.000			Recovery =	10.64%		
51) 2-Fluorobiphenyl	5.546	172	87886	6.45	ppm	0.00
Spiked Amount 50.000			Recovery =	12.90%		
74) 2,4,6-Tribromophenol	6.552	330	11193	6.50	ppm	0.00
Spiked Amount 50.000			Recovery =	13.00%		
87) Terphenyl-d14	8.445	244	105629	6.00	ppm	-0.01
Spiked Amount 50.000			Recovery =	12.00%		
110) 1-chlorooctadecane	0.000	57	0d	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
111) o-terphenyl	0.000	230	0	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
38) Naphthalene	4.942	128	19460	0.9682	ppm	97
44) 2-Methylnaphthalene	5.337	141	7632	0.6181	ppm	95
45) 1-Methylnaphthalene	5.396	141	6687	0.5589	ppm	99
56) Acenaphthylene	5.894	152	80187	5.2229	ppm	99
59) Acenaphthene	6.001	153	37073	2.8219	ppm	93
66) Fluorene	6.354	166	55739	3.8841	ppm	97
78) Phenanthrene	7.097	178	705061	35.5003	ppm	99
79) Anthracene	7.140	178	210496	11.0602	ppm	98
82) Fluoranthene	8.130	202	1610038	76.7972	ppm	98
86) Pyrene	8.338	202	1610872	65.5032	ppm	98
89) Benzo[a]anthracene	9.451	228	680931	29.5172	ppm	99
91) Chrysene	9.493	228	696318	31.4346	ppm	98
95) Benzo[b]fluoranthene	10.429	252	845395m	34.1189	ppm	
96) Benzo[k]fluoranthene	10.445	252	371498m	17.2333	ppm	
97) Benzo[a]pyrene	10.713	252	690232	33.7863	ppm	99
98) Indeno[1,2,3-cd]pyrene	11.740	276	479670	17.8745	ppm	92
100) Dibenz[a,h]anthracene	11.724	278	107674	4.9871	ppm	99
102) Benzo[g,h,i]perylene	12.034	276	474143	22.1293	ppm	96

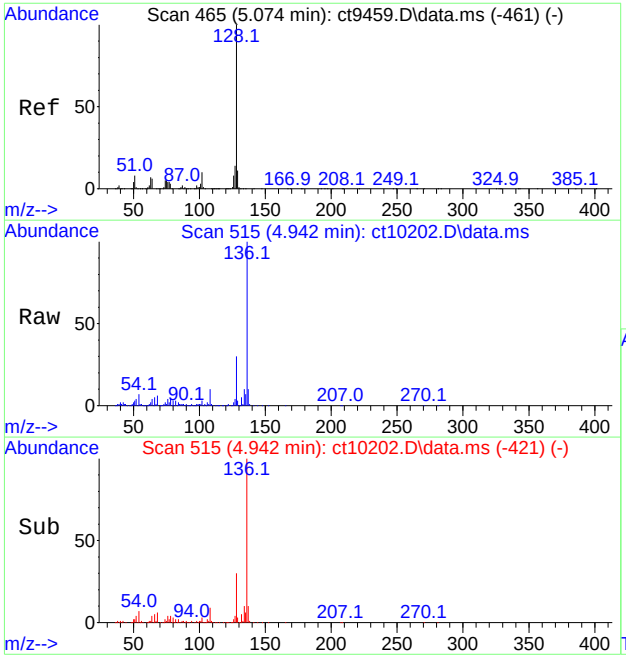
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-09\ECT471\
Data File : ct10202.D
Acq On : 09 Dec 2024 01:07 pm
Operator : kaleigh
Sample : je1542-6 Inst : GCMS_CT
Misc : op59876,ect471,30.2,,,1,5
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Dec 09 19:02:19 2024
Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\mct443.m
Quant Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuWed Aug 10 17:05:37 2022
QLast Update : Mon Dec 09 16:31:56 2024
Response via : Initial Calibration

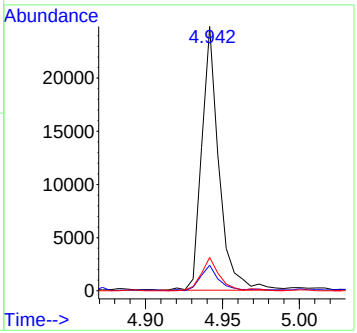


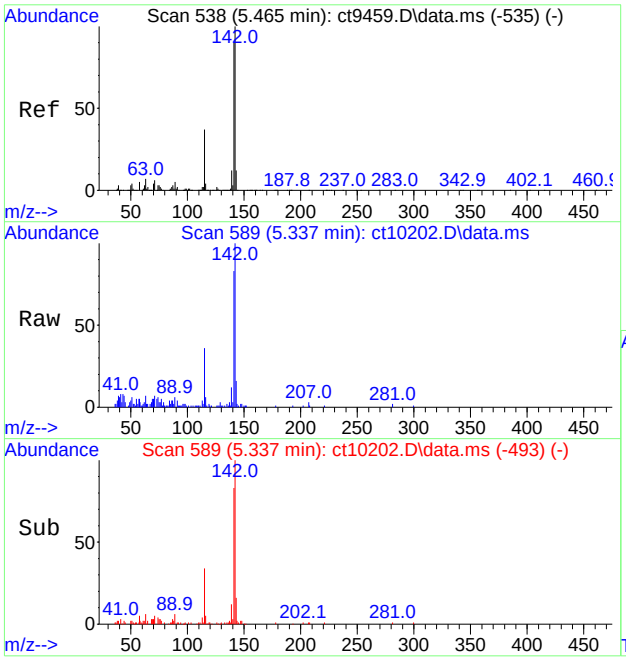


#38
Naphthalene
Concen: 0.9682 ppm
RT: 4.942 min Scan# 515
Delta R.T. 0.005 min
Lab File: ct10202.D
Acq: 09 Dec 2024 01:07 pm

Tgt Ion:128 Resp: 19460

Ion	Ratio	Lower	Upper
128	100		
129	9.4	0.0	41.0
127	12.7	0.0	43.5

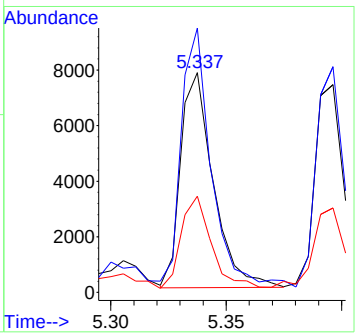


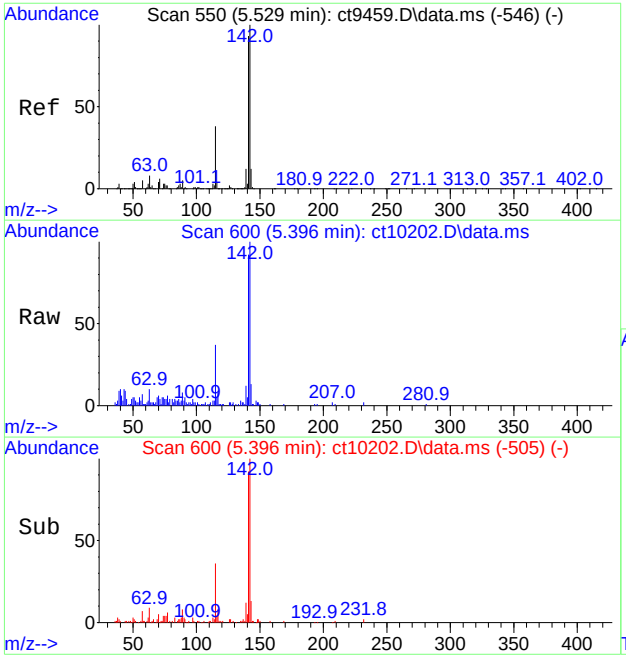


#44
2-Methylnaphthalene
Concen: 0.6181 ppm
RT: 5.337 min Scan# 589
Delta R.T. 0.016 min
Lab File: ct10202.D
Acq: 09 Dec 2024 01:07 pm

Tgt Ion:141 Resp: 7632

Ion	Ratio	Lower	Upper
141	100		
142	118.6	82.7	142.7
115	41.6	8.7	68.7

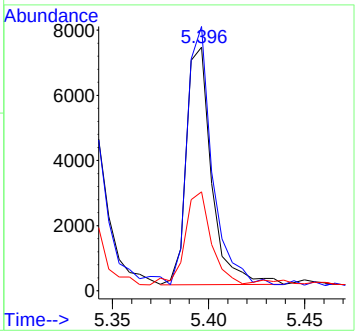


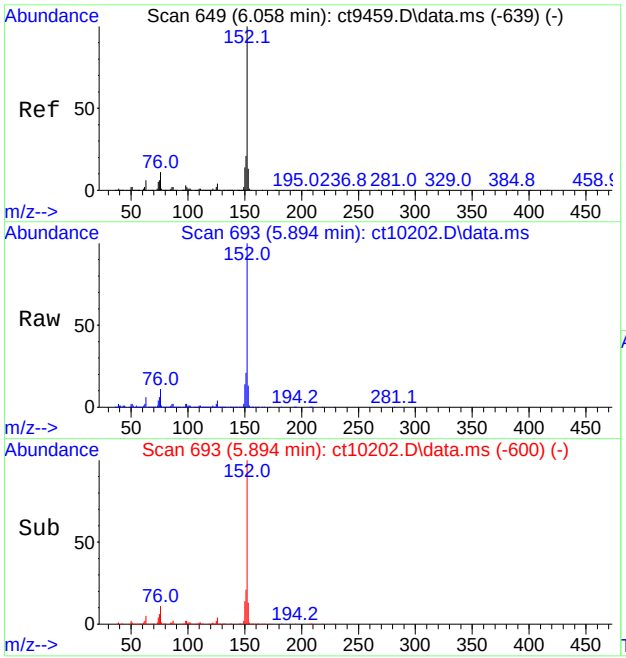


#45
1-Methylnaphthalene
Concen: 0.5589 ppm
RT: 5.396 min Scan# 600
Delta R.T. 0.011 min
Lab File: ct10202.D
Acq: 09 Dec 2024 01:07 pm

Tgt Ion:141 Resp: 6687

Ion	Ratio	Lower	Upper
141	100		
142	107.4	76.3	136.3
115	36.8	6.9	66.9

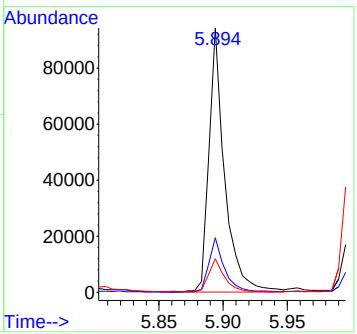


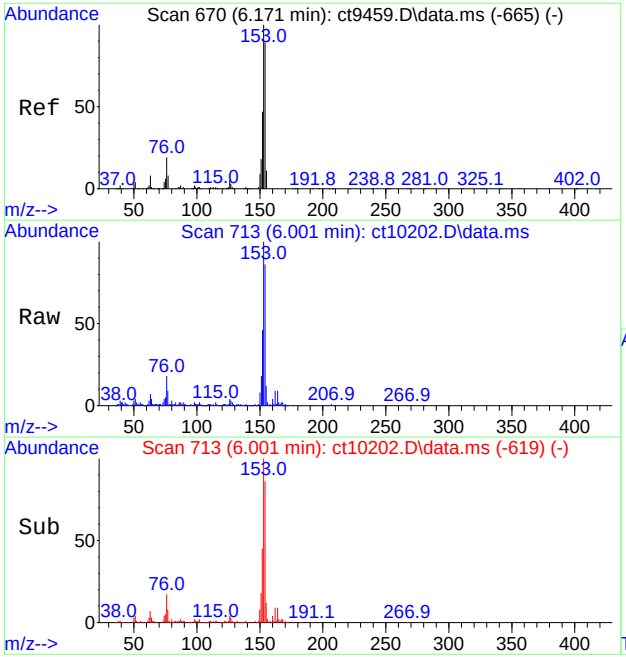


#56
Acenaphthylene
Concen: 5.2229 ppm
RT: 5.894 min Scan# 693
Delta R.T. -0.000 min
Lab File: ct10202.D
Acq: 09 Dec 2024 01:07 pm

Tgt Ion:152 Resp: 80187

Ion	Ratio	Lower	Upper
152	100		
151	20.6	0.0	50.7
153	12.5	0.0	43.0

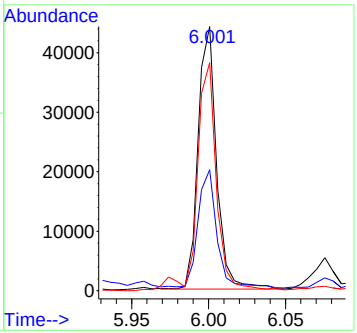


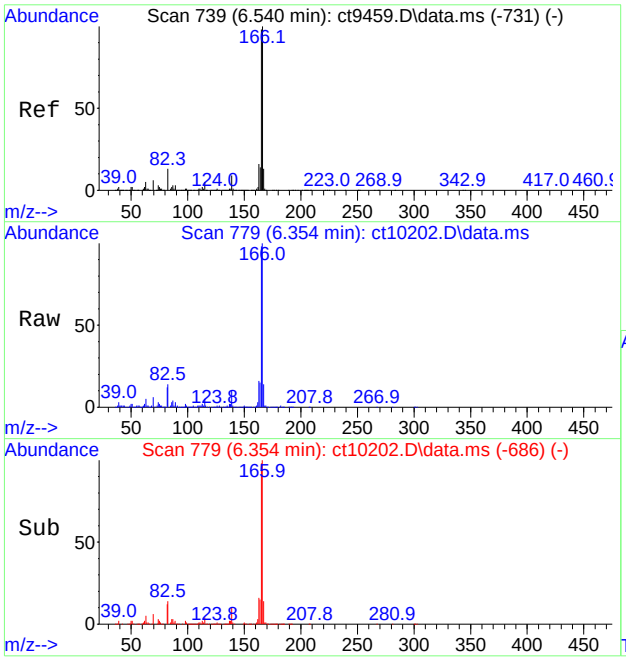


#59
Acenaphthene
Concen: 2.8219 ppm
RT: 6.001 min Scan# 713
Delta R.T. 0.005 min
Lab File: ct10202.D
Acq: 09 Dec 2024 01:07 pm

Tgt Ion:153 Resp: 37073

Ion	Ratio	Lower	Upper
153	100		
152	44.8	16.6	76.6
154	85.9	47.2	107.2

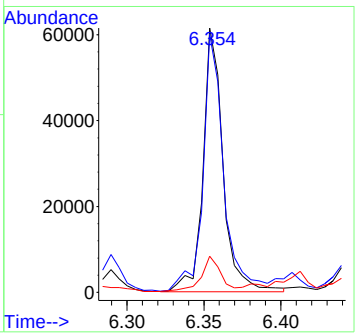


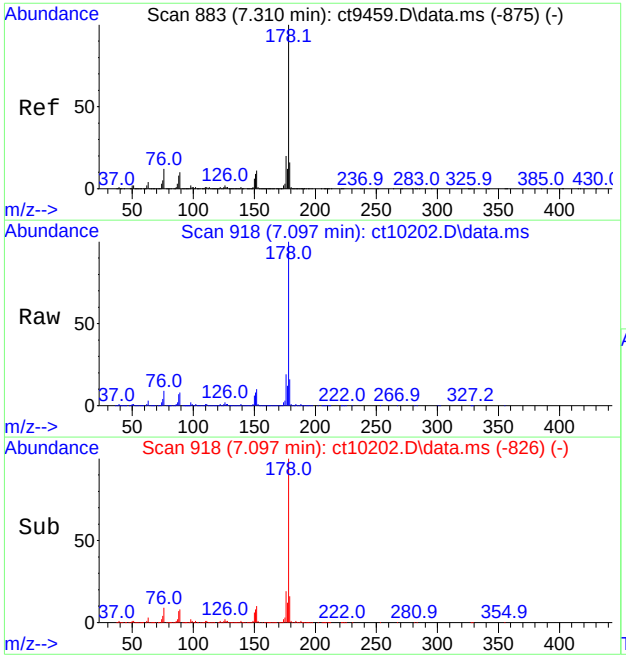


#66
Fluorene
Concen: 3.8841 ppm
RT: 6.354 min Scan# 779
Delta R.T. -0.000 min
Lab File: ct10202.D
Acq: 09 Dec 2024 01:07 pm

Tgt Ion:166 Resp: 55739

Ion	Ratio	Lower	Upper
166	100		
165	95.8	68.2	128.2
167	11.7	0.0	43.2

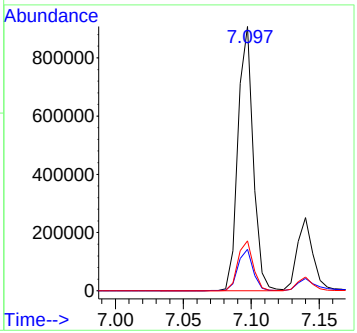


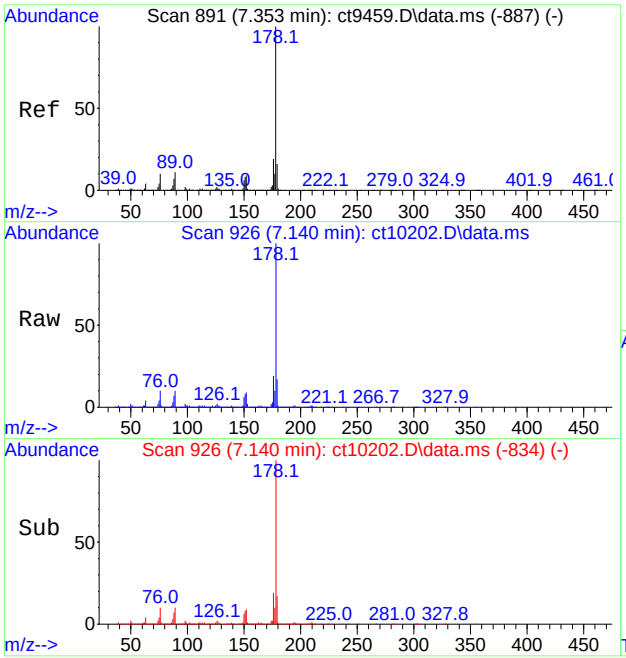


#78
Phenanthrene
Concen: 35.5003 ppm
RT: 7.097 min Scan# 918
Delta R.T. -0.006 min
Lab File: ct10202.D
Acq: 09 Dec 2024 01:07 pm

Tgt Ion:178 Resp: 705061

Ion	Ratio	Lower	Upper
178	100		
179	15.6	0.0	45.4
176	18.9	0.0	49.2

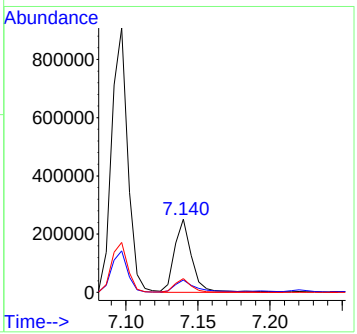


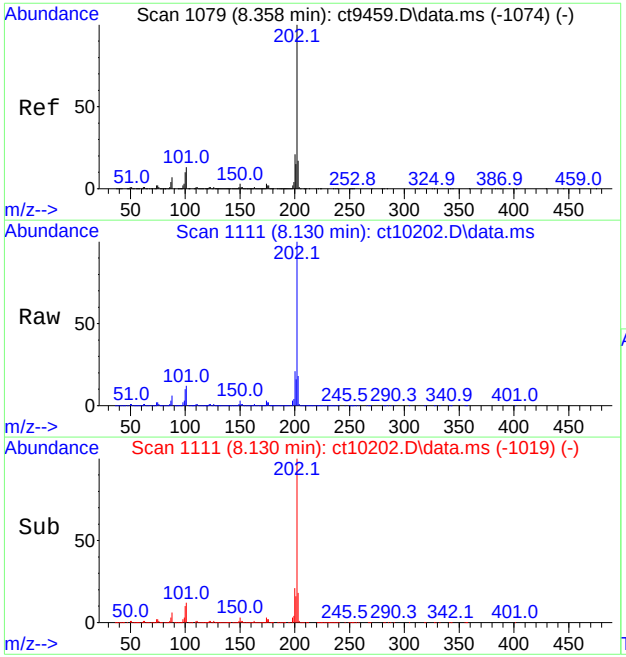


#79
Anthracene
Concen: 11.0602 ppm
RT: 7.140 min Scan# 926
Delta R.T. -0.006 min
Lab File: ct10202.D
Acq: 09 Dec 2024 01:07 pm

Tgt Ion:178 Resp: 210496

Ion	Ratio	Lower	Upper
178	100		
179	16.6	0.0	45.5
176	18.8	0.0	48.5

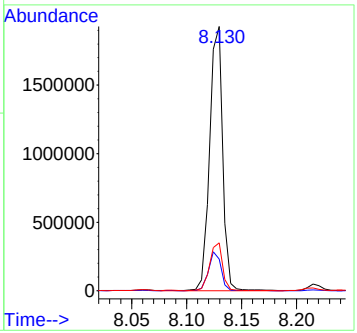


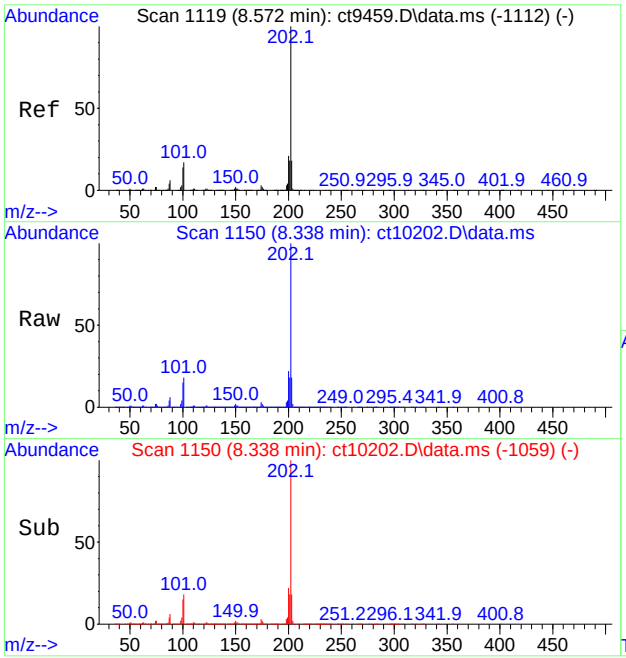


#82
Fluoranthene
Concen: 76.7972 ppm
RT: 8.130 min Scan# 1111
Delta R.T. -0.006 min
Lab File: ct10202.D
Acq: 09 Dec 2024 01:07 pm

Tgt Ion:202 Resp: 1610038

Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	42.5
203	18.1	0.0	47.0

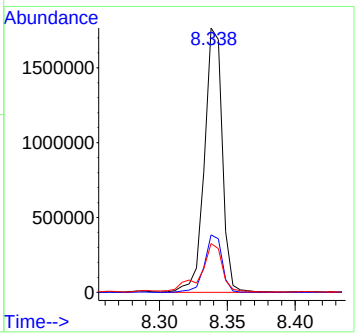


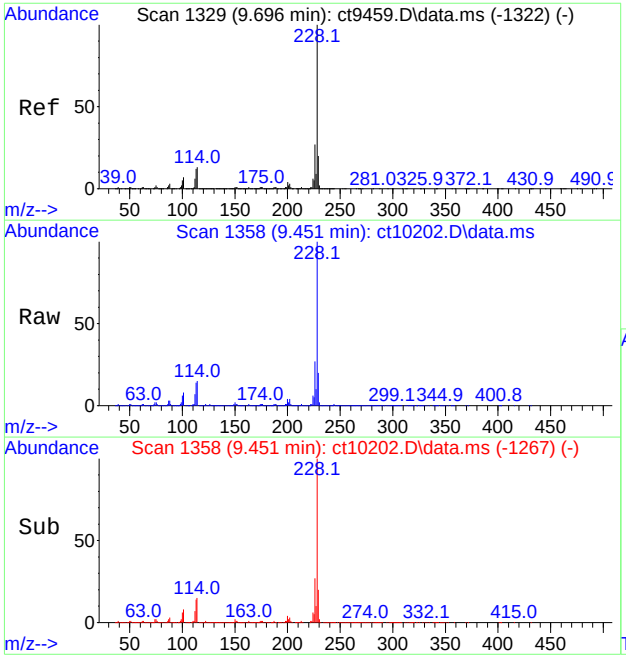


#86
Pyrene
Concen: 65.5032 ppm
RT: 8.338 min Scan# 1150
Delta R.T. -0.011 min
Lab File: ct10202.D
Acq: 09 Dec 2024 01:07 pm

Tgt Ion:202 Resp: 1610872

Ion	Ratio	Lower	Upper
202	100		
200	21.8	0.0	51.0
203	18.1	0.0	47.0

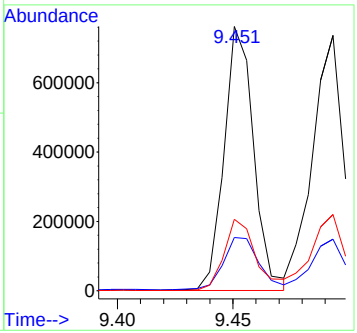


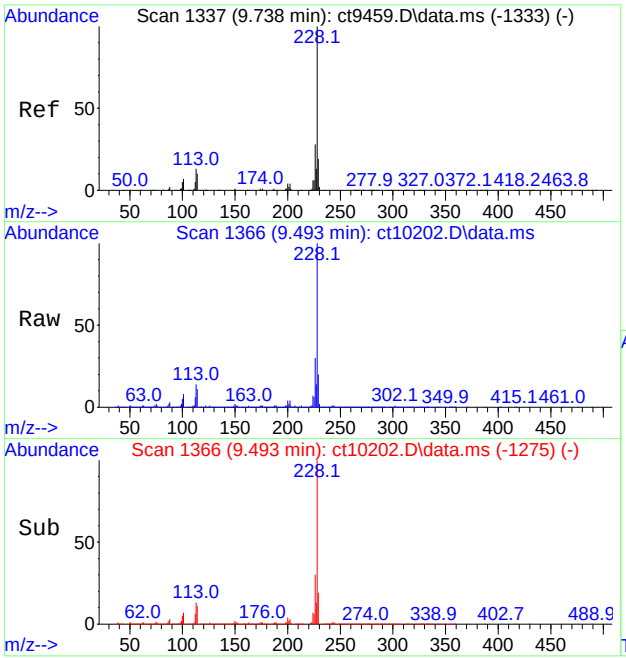


#89
Benzo[a]anthracene
Concen: 29.5172 ppm
RT: 9.451 min Scan# 1358
Delta R.T. -0.011 min
Lab File: ct10202.D
Acq: 09 Dec 2024 01:07 pm

Tgt Ion:228 Resp: 680931

Ion	Ratio	Lower	Upper
228	100		
229	19.3	0.0	49.5
226	25.4	0.0	56.0

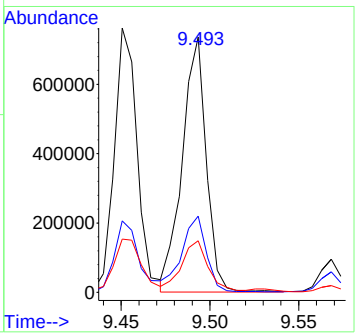


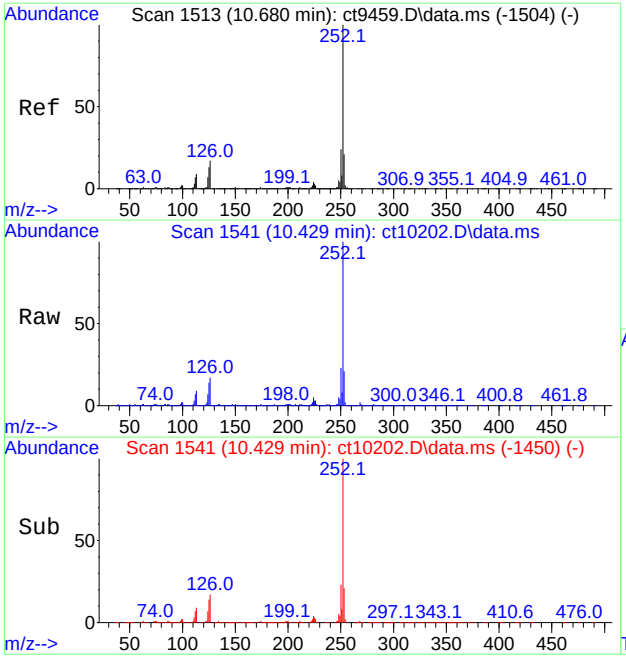


#91
Chrysene
Concen: 31.4346 ppm
RT: 9.493 min Scan# 1366
Delta R.T. -0.011 min
Lab File: ct10202.D
Acq: 09 Dec 2024 01:07 pm

Tgt Ion:228 Resp: 696318

Ion	Ratio	Lower	Upper
228	100		
226	28.1	0.0	59.4
229	19.4	0.0	49.1

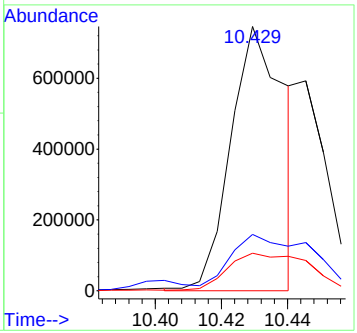


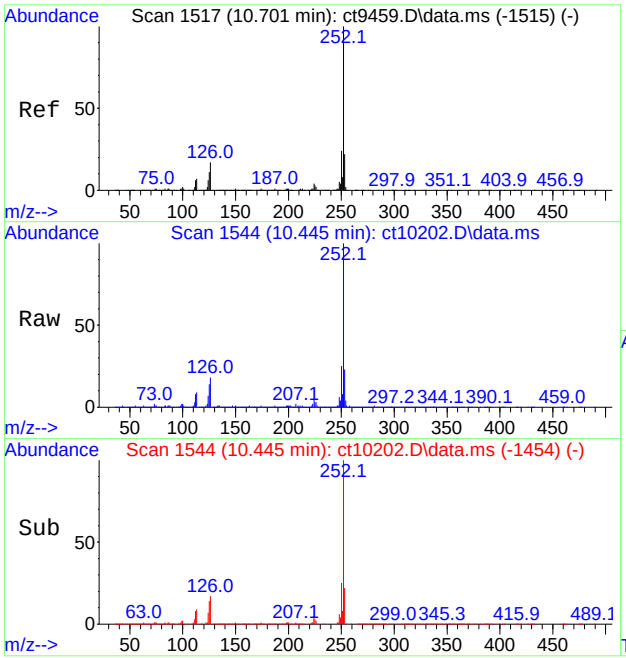


#95
Benzo[b]fluoranthene
Concen: 34.1189 ppm m
RT: 10.429 min Scan# 1541
Delta R.T. -0.011 min
Lab File: ct10202.D
Acq: 09 Dec 2024 01:07 pm

Tgt Ion:252 Resp: 845395

Ion	Ratio	Lower	Upper
252	100		
253	21.3	0.0	52.7
125	14.3	0.0	42.3

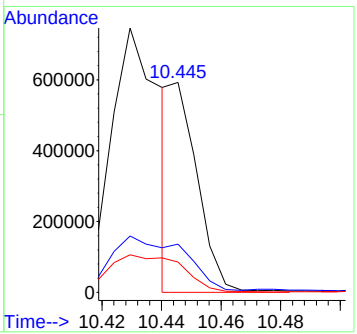


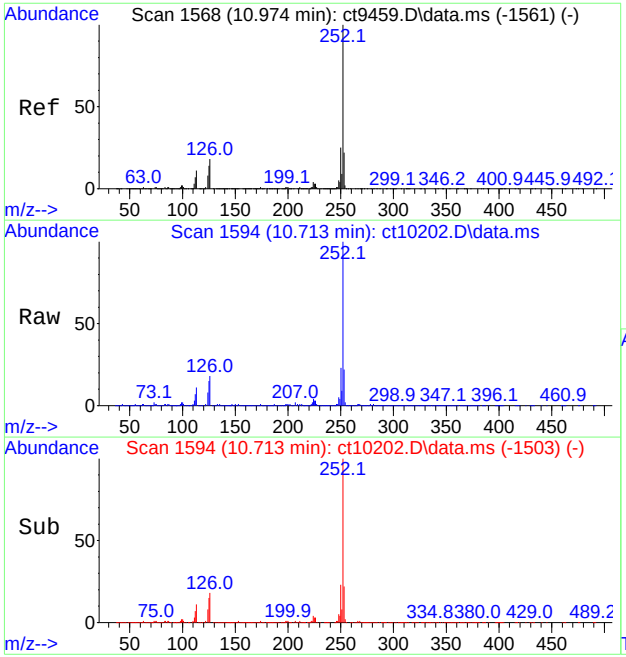


#96
Benzo[k]fluoranthene
Concen: 17.2333 ppm m
RT: 10.445 min Scan# 1544
Delta R.T. -0.016 min
Lab File: ct10202.D
Acq: 09 Dec 2024 01:07 pm

Tgt Ion:252 Resp: 371498

Ion	Ratio	Lower	Upper
252	100		
253	23.0	0.0	52.6
125	14.4	0.0	41.9

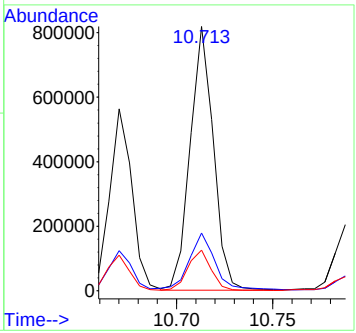


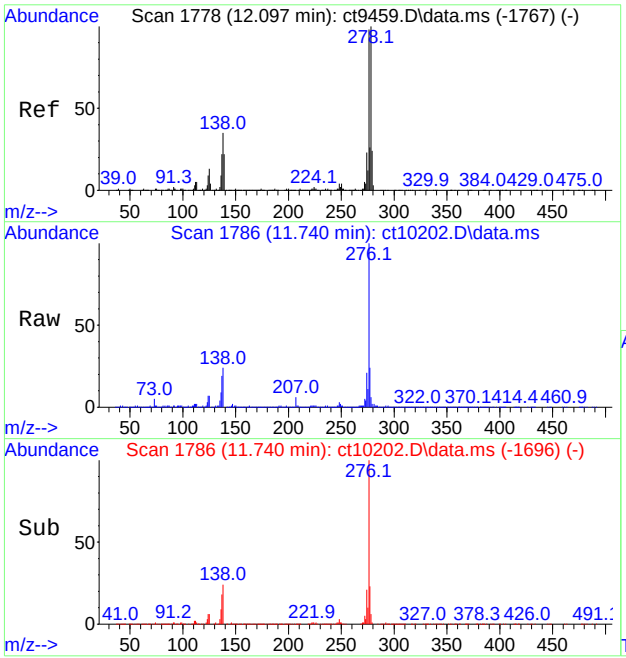


#97
Benzo[a]pyrene
Concen: 33.7863 ppm
RT: 10.713 min Scan# 1594
Delta R.T. -0.011 min
Lab File: ct10202.D
Acq: 09 Dec 2024 01:07 pm

Tgt Ion:252 Resp: 690232

Ion	Ratio	Lower	Upper
252	100		
253	21.2	0.0	51.1
125	15.2	0.0	44.2

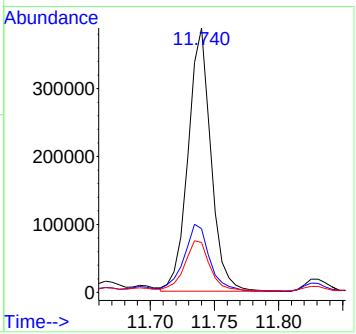


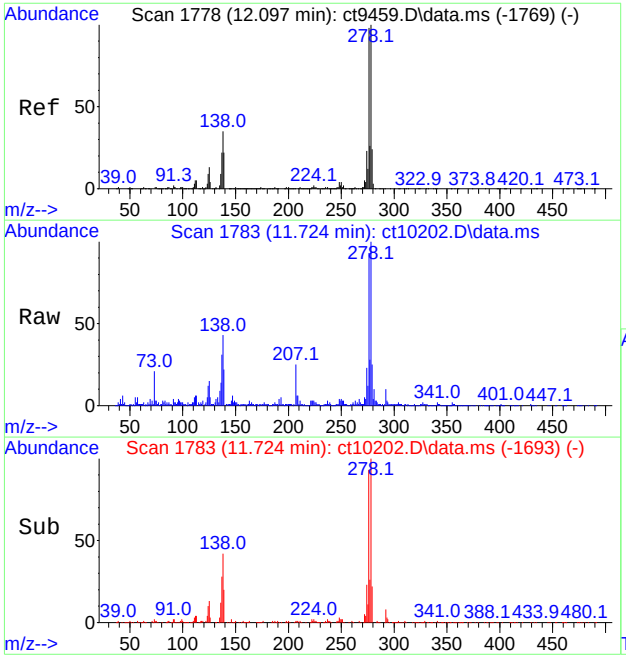


#98
Indeno[1,2,3-cd]pyrene
Concen: 17.8745 ppm
RT: 11.740 min Scan# 1786
Delta R.T. -0.016 min
Lab File: ct10202.D
Acq: 09 Dec 2024 01:07 pm

Tgt Ion:276 Resp: 479670

Ion	Ratio	Lower	Upper
276	100		
138	23.4	0.0	58.2
137	18.2	0.0	51.1

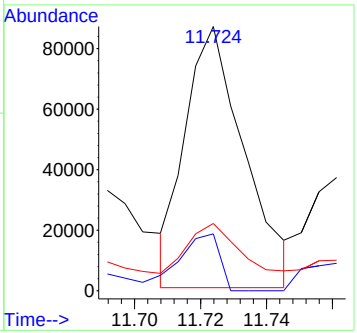


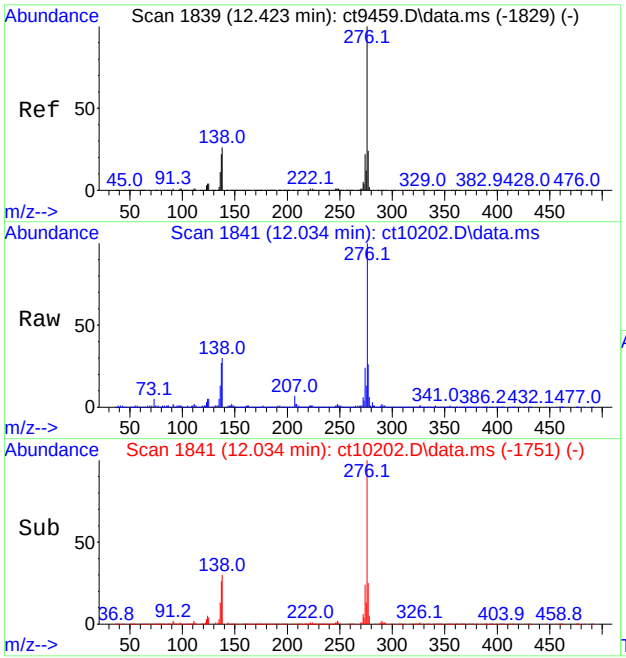


#100
Dibenz[a,h]anthracene
Concen: 4.9871 ppm
RT: 11.724 min Scan# 1783
Delta R.T. -0.016 min
Lab File: ct10202.D
Acq: 09 Dec 2024 01:07 pm

Tgt Ion:278 Resp: 107674

Ion	Ratio	Lower	Upper
278	100		
139	23.4	0.0	53.1
279	23.1	0.0	53.8

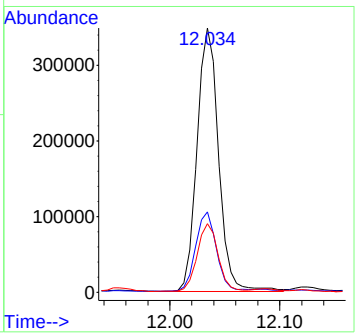




#102
Benzo[g,h,i]perylene
Concen: 22.1293 ppm
RT: 12.034 min Scan# 1841
Delta R.T. -0.016 min
Lab File: ct10202.D
Acq: 09 Dec 2024 01:07 pm

Tgt Ion:276 Resp: 474143

Ion	Ratio	Lower	Upper
276	100		
138	30.0	0.0	58.1
277	25.7	0.0	53.2



Manual Integrations APPROVED (compounds with "m" flag)
Jon Kreigmor Mamanta 12/18/24 07:17

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\altheam\e6p4336\
Data File : 6p519555.d
Acq On : 17 Dec 2024 5:16 pm
Operator : anthonyo
Sample : je1542-7t Inst : GCMS6P
Misc : op60221,e6p4336,30.2,,,1,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Dec 18 07:14:46 2024
Quant Method : X:\Dayton SVOA GCMS\altheam\method\M6P4256.M
Quant Title : Semi Volatile GC/MS,zb-5msplus30m x .25mm x .25um
QLast Update : Wed Dec 18 06:35:30 2024
Response via : Initial Calibration

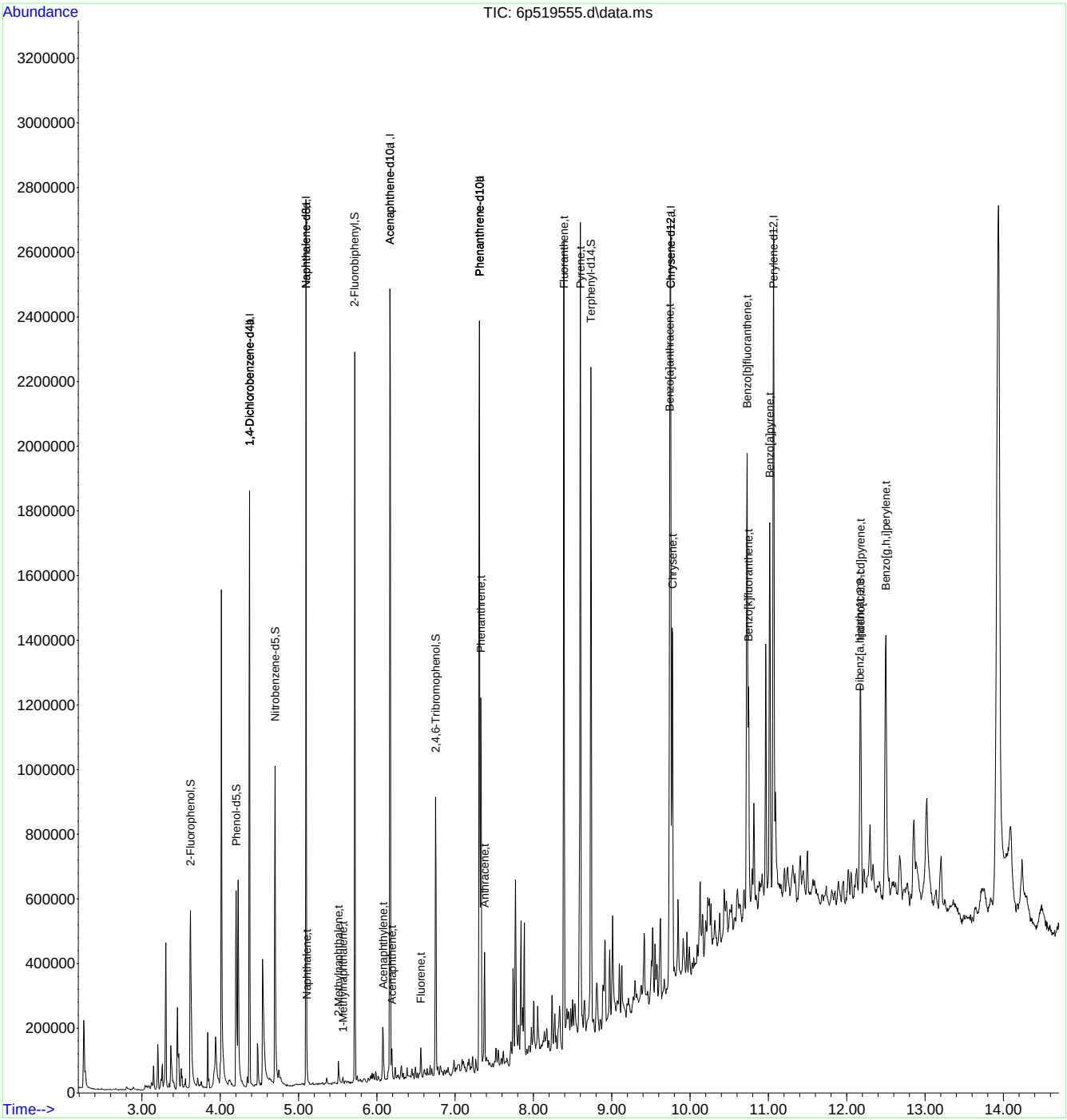
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.374	152	189604	40.00	ppm	0.00
24) Naphthalene-d8	5.096	136	765276	40.00	ppm	0.00
46) Acenaphthene-d10	6.166	164	427289	40.00	ppm	0.00
69) Phenanthrene-d10	7.311	188	727373	40.00	ppm	0.00
84) Chrysene-d12	9.750	240	630856	40.00	ppm	0.00
93) Perylene-d12	11.066	264	770198	40.00	ppm	0.00
103) 1,4-Dichlorobenzene-d4a	4.374	152	189604	40.00	ppm	0.00
105) Phenanthrene-d10a	7.311	188	727373	40.00	ppm	0.00
107) Naphthalene-d8a	5.096	136	765276	40.00	ppm	0.00
109) 1,4-Dichlorobenzene-d4b	4.374	152	189604	40.00	ppm	0.00
112) Acenaphthene-d10a	6.166	164	427289	40.00	ppm	0.00
114) Phenanthrene-d10b	7.311	188	727373	40.00	ppm	0.00
117) Chrysene-d12a	9.750	240	630856	40.00	ppm	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.620	112	182735	29.06	ppm	0.01
Spiked Amount 50.000			Recovery =	58.12%		
8) Phenol-d5	4.203	99	215512	26.01	ppm	0.01
Spiked Amount 50.000			Recovery =	52.02%		
25) Nitrobenzene-d5	4.701	82	249158	33.15	ppm	0.00
Spiked Amount 50.000			Recovery =	66.30%		
51) 2-Fluorobiphenyl	5.717	172	499970	35.84	ppm	0.00
Spiked Amount 50.000			Recovery =	71.68%		
74) 2,4,6-Tribromophenol	6.749	330	92696	43.15	ppm	0.00
Spiked Amount 50.000			Recovery =	86.30%		
87) Terphenyl-d14	8.734	244	601237	37.00	ppm	0.00
Spiked Amount 50.000			Recovery =	74.00%		
115) 1-chlorooctadecane	0.000	57	0d	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
116) o-terphenyl	0.000	230	0d	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
38) Naphthalene	5.107	128	6243	0.3131	ppm	90
44) 2-Methylnaphthalene	5.508	141	2926	0.2515	ppm	83
45) 1-Methylnaphthalene	5.567	141	3672	0.3293	ppm	95
56) Acenaphthylene	6.081	152	61842	3.8653	ppm	98
59) Acenaphthene	6.193	153	18107	1.3575	ppm	95
66) Fluorene	6.562	166	24257m	1.7041	ppm	
78) Phenanthrene	7.327	178	372946	19.2937	ppm	99
79) Anthracene	7.375	178	119726	6.2059	ppm	97
82) Fluoranthene	8.391	202	949338	45.0846	ppm	97
86) Pyrene	8.600	202	894238	42.0803	ppm	99
89) Benzo[a]anthracene	9.739	228	457262	21.7134	ppm	99
91) Chrysene	9.777	228	395722	19.7620	ppm	97
95) Benzo[b]fluoranthene	10.729	252	616336m	25.7425	ppm	
96) Benzo[k]fluoranthene	10.745	252	195129m	9.0404	ppm	
97) Benzo[a]pyrene	11.017	252	458158	24.0201	ppm	98
98) Indeno[1,2,3-cd]pyrene	12.178	276	348927	13.2444	ppm	88
100) Dibenz[a,h]anthracene	12.167	278	89350	4.1416	ppm	90
102) Benzo[g,h,i]perylene	12.499	276	339114	16.7789	ppm	98

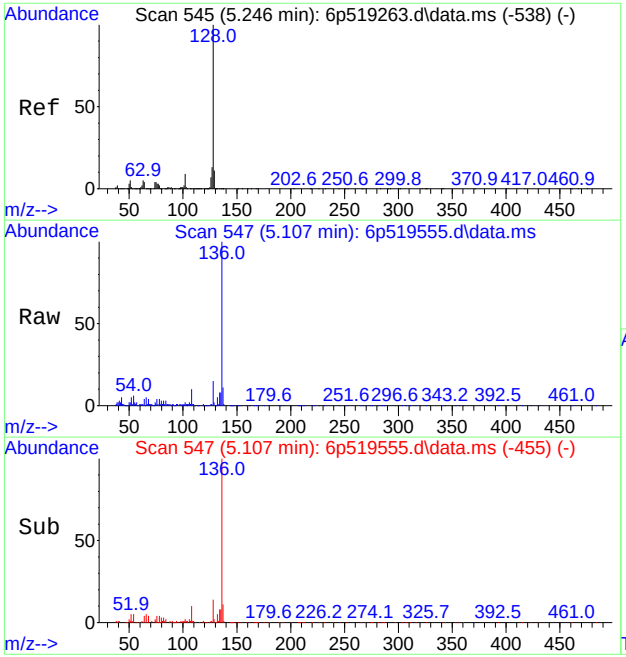
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\altheam\e6p4336\
Data File : 6p519555.d
Acq On : 17 Dec 2024 5:16 pm
Operator : anthonyo
Sample : je1542-7t Inst : GCMS6P
Misc : op60221,e6p4336,30.2,,,1,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Dec 18 07:14:46 2024
Quant Method : X:\Dayton SVOA GCMS\altheam\method\M6P4256.M
Quant Title : Semi Volatile GC/MS,zb-5msplus30m x .25mm x .25um
QLast Update : Wed Dec 18 06:35:30 2024
Response via : Initial Calibration

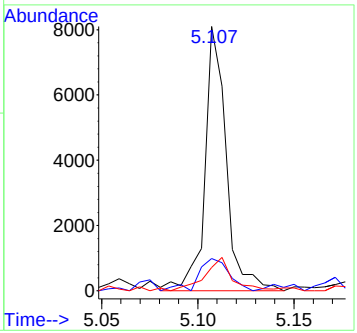


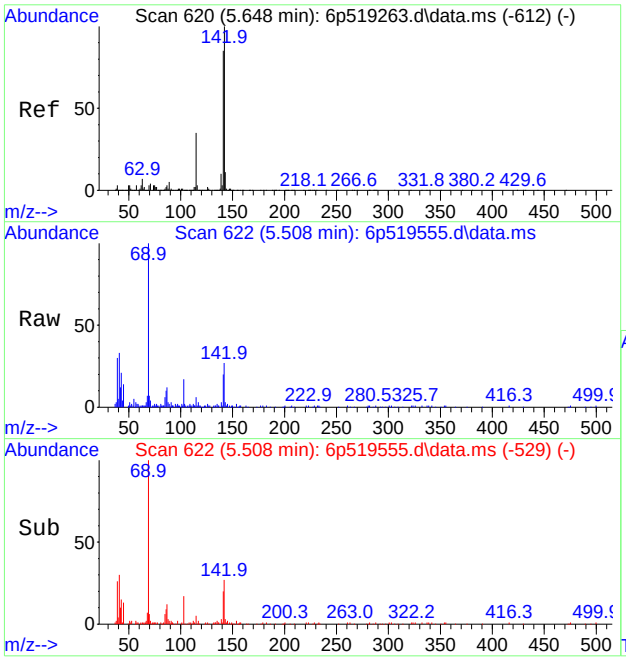


#38
Naphthalene
Concen: 0.3131 ppm
RT: 5.107 min Scan# 547
Delta R.T. -0.005 min
Lab File: 6p519555.d
Acq: 17 Dec 2024 5:16 pm

Tgt Ion:128 Resp: 6243

Ion	Ratio	Lower	Upper
128	100		
129	11.6	0.0	40.5
127	7.1	0.0	43.2

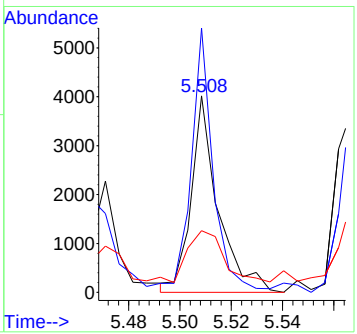


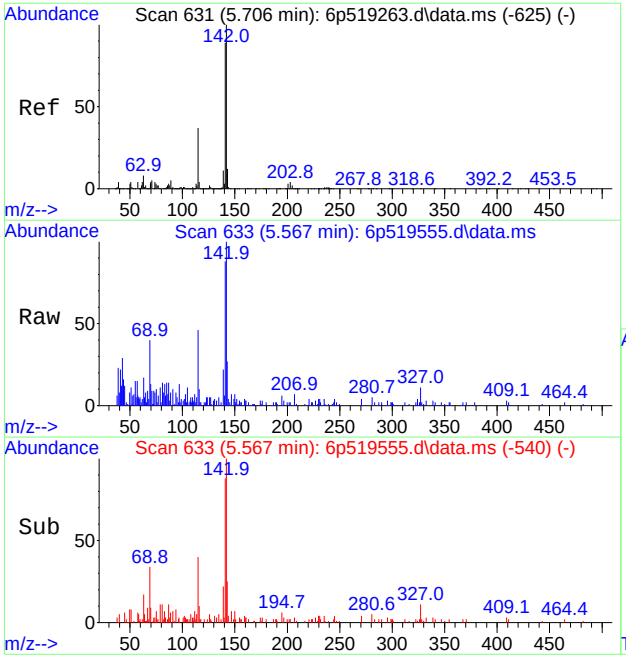


#44
2-Methylnaphthalene
Concen: 0.2515 ppm
RT: 5.508 min Scan# 622
Delta R.T. -0.000 min
Lab File: 6p519555.d
Acq: 17 Dec 2024 5:16 pm

Tgt Ion:141 Resp: 2926

Ion	Ratio	Lower	Upper
141	100		
142	133.0	86.9	146.9
115	22.6	5.9	65.9

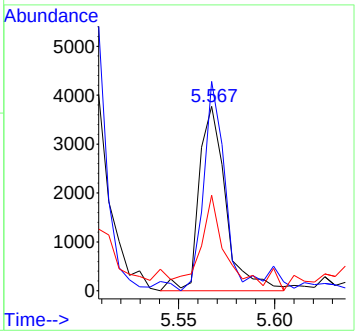


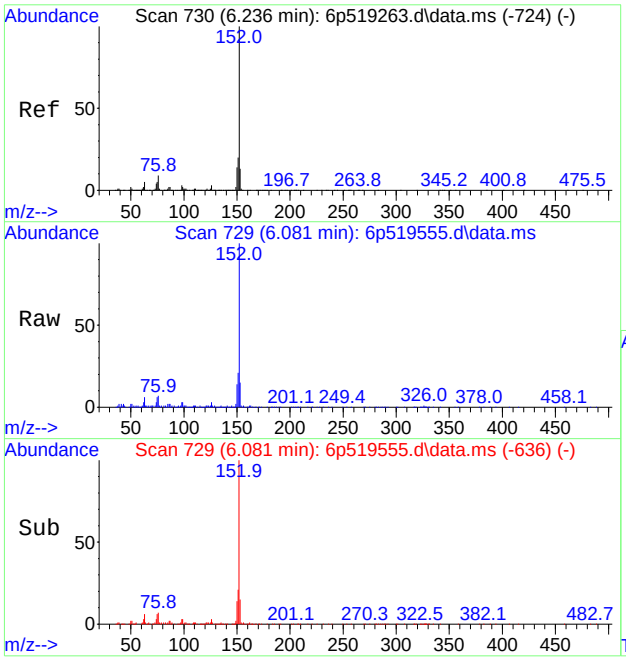


#45
1-Methylnaphthalene
Concen: 0.3293 ppm
RT: 5.567 min Scan# 633
Delta R.T. -0.000 min
Lab File: 6p519555.d
Acq: 17 Dec 2024 5:16 pm

Tgt Ion:141 Resp: 3672

Ion	Ratio	Lower	Upper
141	100		
142	109.7	81.4	141.4
115	46.5	7.3	67.3

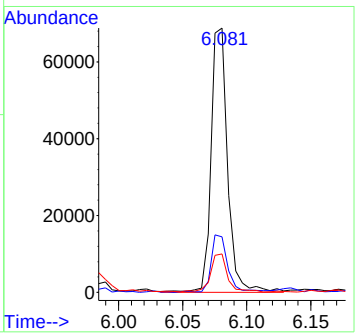


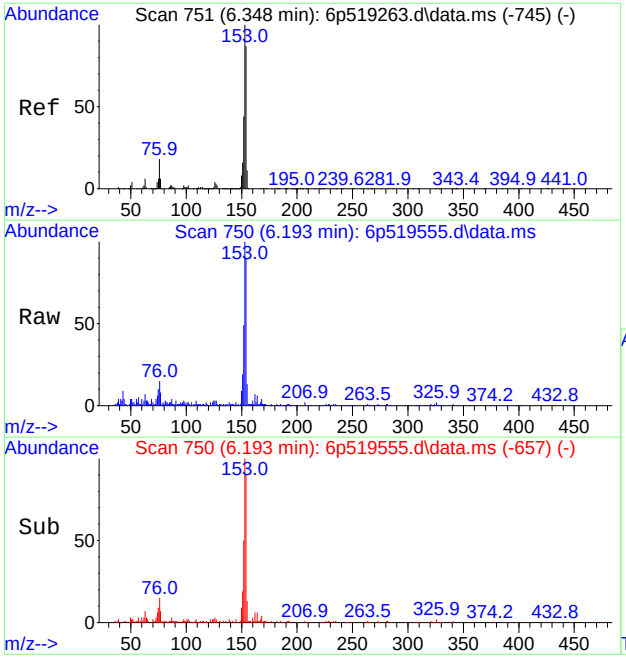


#56
Acenaphthylene
Concen: 3.8653 ppm
RT: 6.081 min Scan# 729
Delta R.T. -0.000 min
Lab File: 6p519555.d
Acq: 17 Dec 2024 5:16 pm

Tgt Ion:152 Resp: 61842

Ion	Ratio	Lower	Upper
152	100		
151	20.4	0.0	50.9
153	14.2	0.0	43.2

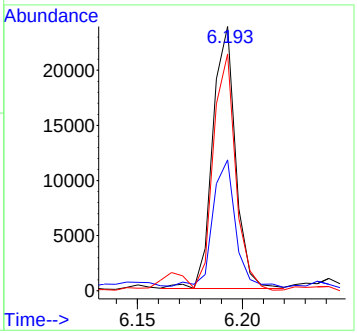


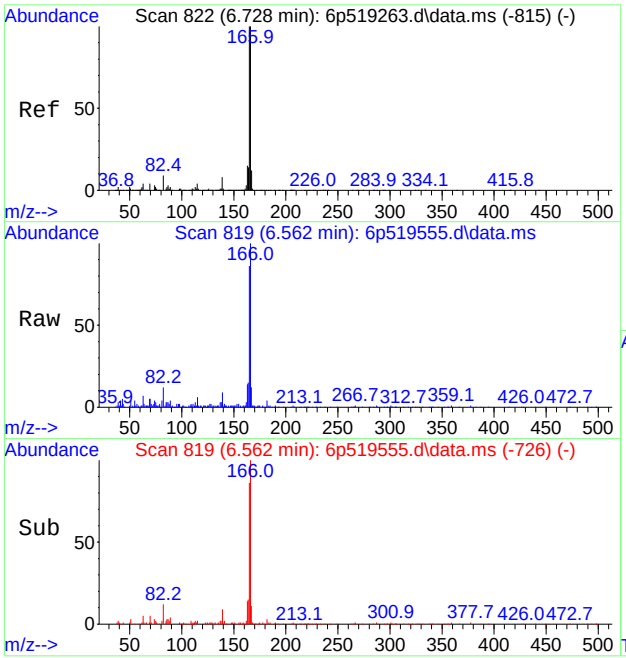


#59
Acenaphthene
Concen: 1.3575 ppm
RT: 6.193 min Scan# 750
Delta R.T. -0.000 min
Lab File: 6p519555.d
Acq: 17 Dec 2024 5:16 pm

Tgt Ion:153 Resp: 18107

Ion	Ratio	Lower	Upper
153	100		
152	47.8	12.9	72.9
154	88.4	55.3	115.3

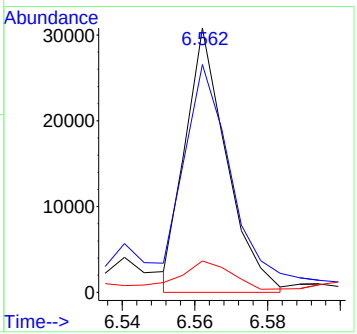


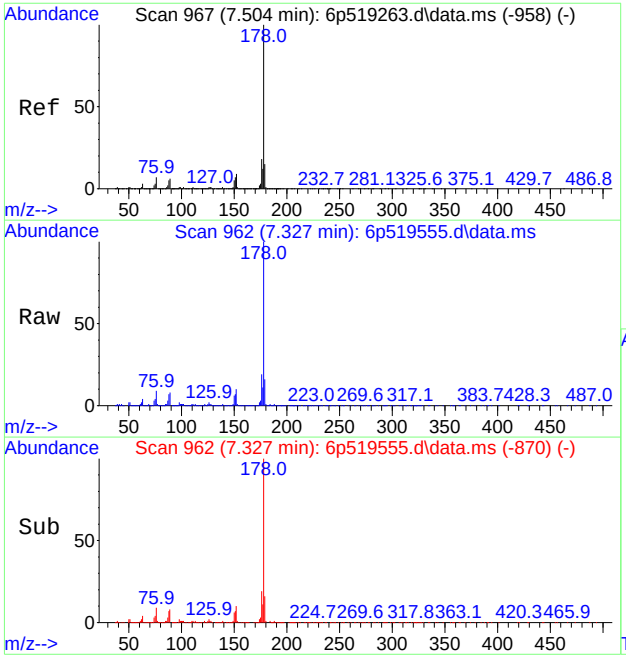


#66
Fluorene
Concen: 1.7041 ppm m
RT: 6.562 min Scan# 819
Delta R.T. -0.000 min
Lab File: 6p519555.d
Acq: 17 Dec 2024 5:16 pm

Tgt Ion:166 Resp: 24257

Ion	Ratio	Lower	Upper
166	100		
165	86.2	66.4	126.4
167	11.9	0.0	42.5

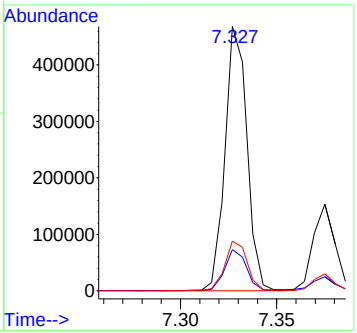


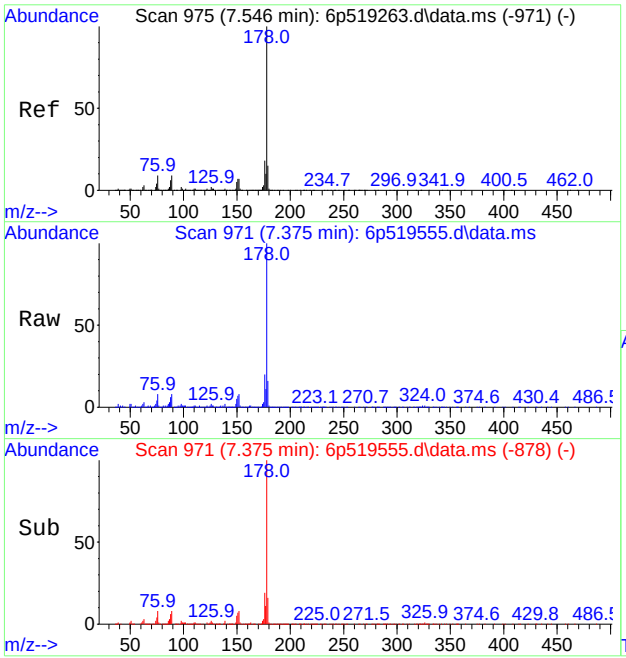


#78
Phenanthrene
Concen: 19.2937 ppm
RT: 7.327 min Scan# 962
Delta R.T. -0.005 min
Lab File: 6p519555.d
Acq: 17 Dec 2024 5:16 pm

Tgt Ion:178 Resp: 372946

Ion	Ratio	Lower	Upper
178	100		
179	15.4	0.0	44.9
176	18.8	0.0	48.6

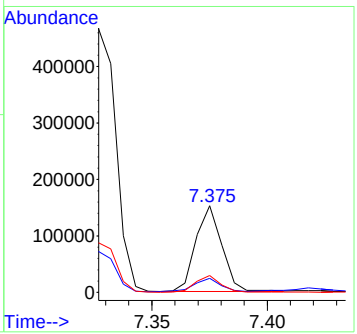


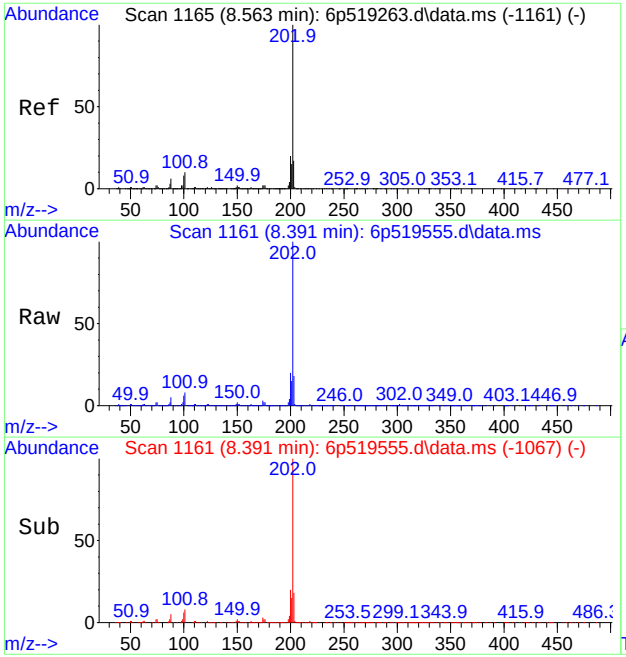


#79
Anthracene
Concen: 6.2059 ppm
RT: 7.375 min Scan# 971
Delta R.T. -0.000 min
Lab File: 6p519555.d
Acq: 17 Dec 2024 5:16 pm

Tgt Ion:178 Resp: 119726

Ion	Ratio	Lower	Upper
178	100		
179	14.7	0.0	46.0
176	19.4	0.0	48.2

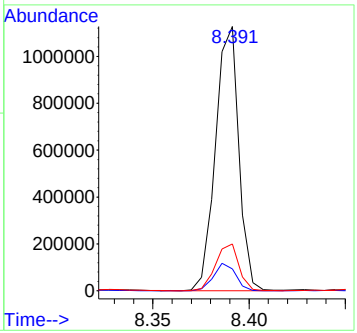


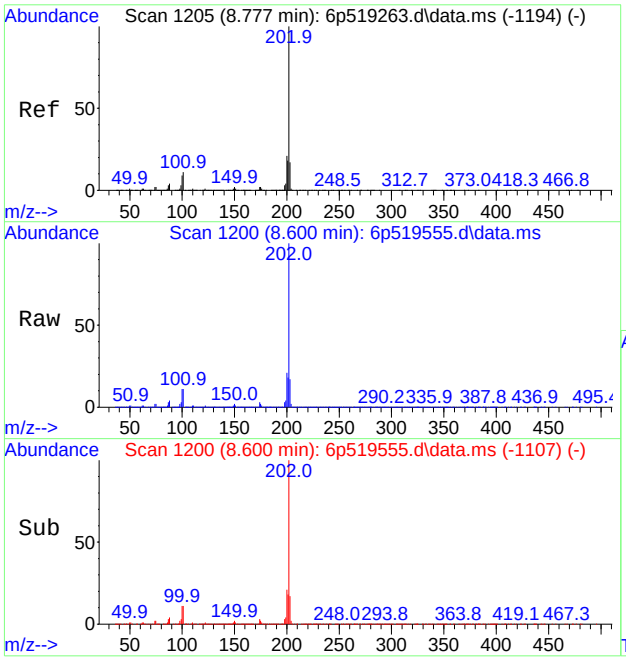


#82
Fluoranthene
Concen: 45.0846 ppm
RT: 8.391 min Scan# 1161
Delta R.T. 0.005 min
Lab File: 6p519555.d
Acq: 17 Dec 2024 5:16 pm

Tgt Ion:202 Resp: 949338

Ion	Ratio	Lower	Upper
202	100		
101	8.3	0.0	40.4
203	17.7	0.0	46.8

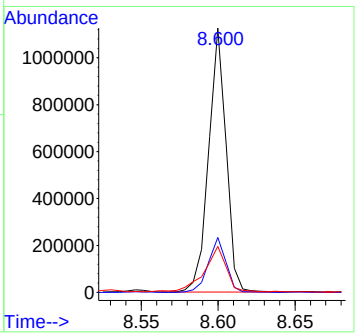


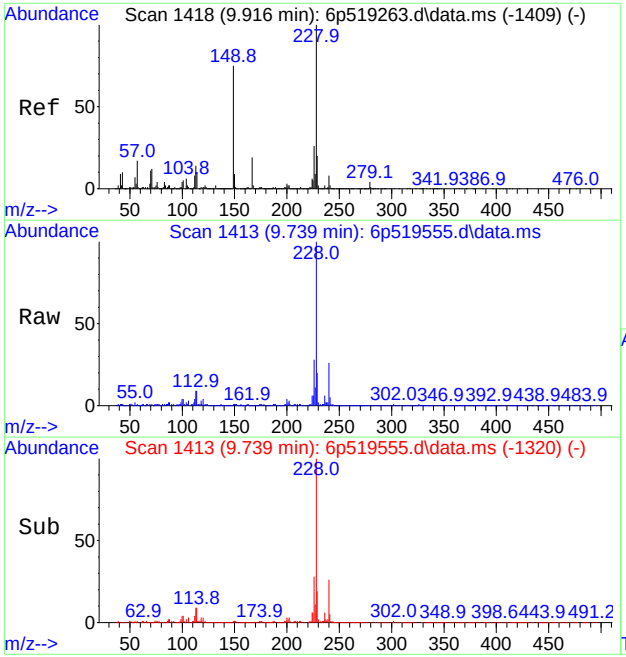


#86
Pyrene
Concen: 42.0803 ppm
RT: 8.600 min Scan# 1200
Delta R.T. -0.000 min
Lab File: 6p519555.d
Acq: 17 Dec 2024 5:16 pm

Tgt Ion:202 Resp: 894238

Ion	Ratio	Lower	Upper
202	100		
200	20.8	0.0	50.1
203	16.9	0.0	46.8

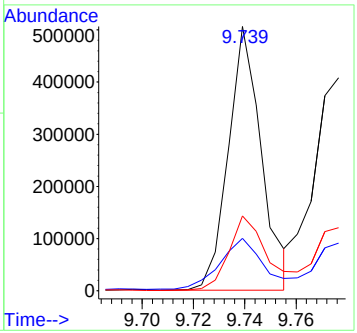


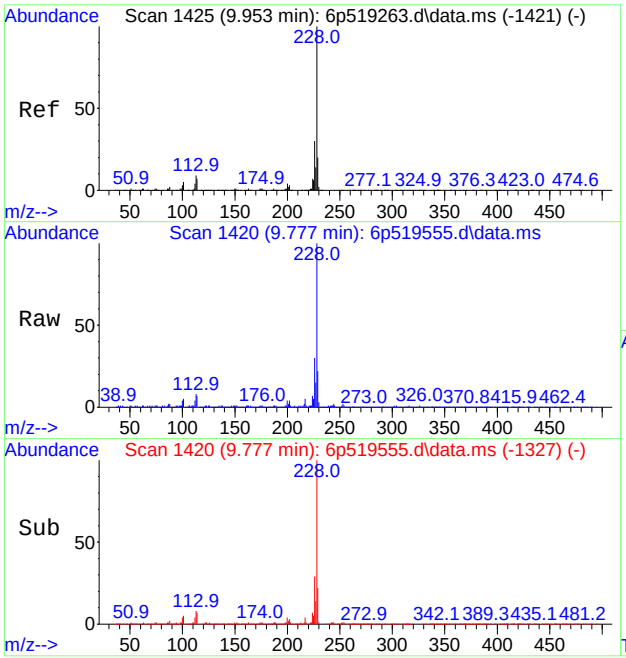


#89
Benzo[a]anthracene
Concen: 21.7134 ppm
RT: 9.739 min Scan# 1413
Delta R.T. -0.000 min
Lab File: 6p519555.d
Acq: 17 Dec 2024 5:16 pm

Tgt Ion:228 Resp: 457262

Ion	Ratio	Lower	Upper
228	100		
229	18.7	0.0	49.1
226	26.7	0.0	55.8

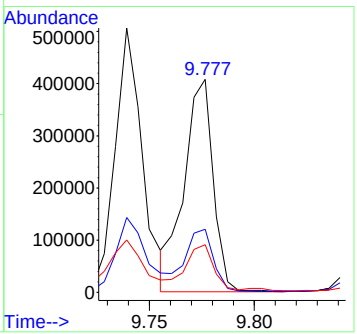


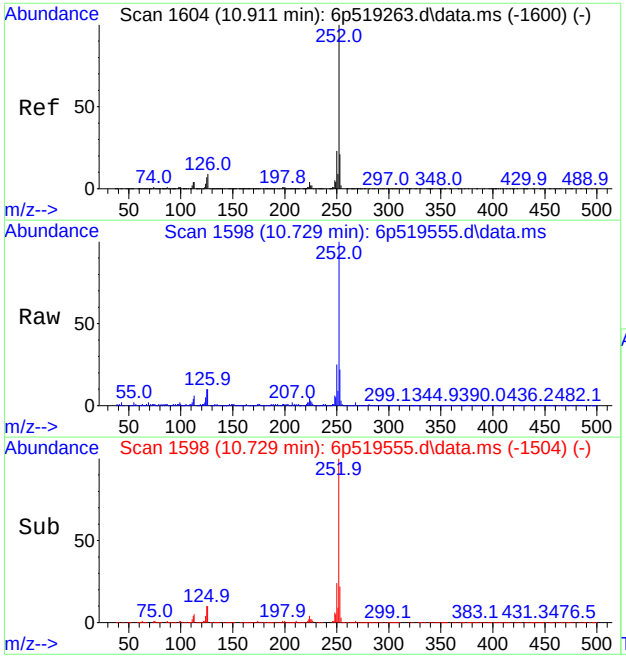


#91
Chrysene
Concen: 19.7620 ppm
RT: 9.777 min Scan# 1420
Delta R.T. -0.000 min
Lab File: 6p519555.d
Acq: 17 Dec 2024 5:16 pm

Tgt Ion:228 Resp: 395722

Ion	Ratio	Lower	Upper
228	100		
226	27.7	0.0	58.8
229	21.2	0.0	49.2

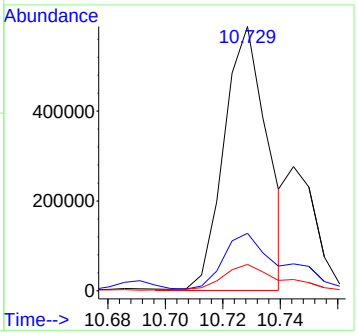


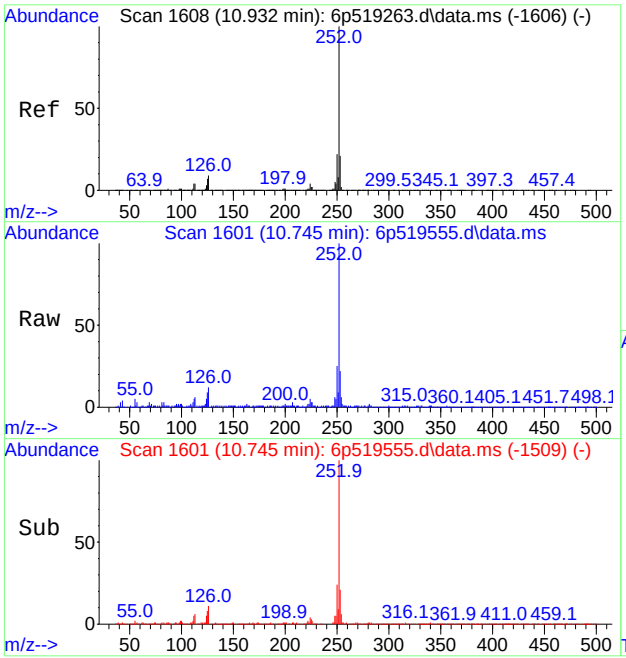


#95
Benzo[b]fluoranthene
Concen: 25.7425 ppm m
RT: 10.729 min Scan# 1598
Delta R.T. 0.005 min
Lab File: 6p519555.d
Acq: 17 Dec 2024 5:16 pm

Tgt Ion:252 Resp: 616336

Ion	Ratio	Lower	Upper
252	100		
253	21.8	0.0	51.7
125	10.0	0.0	39.7

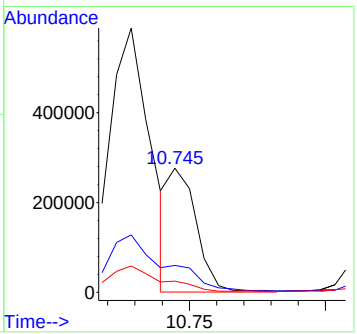


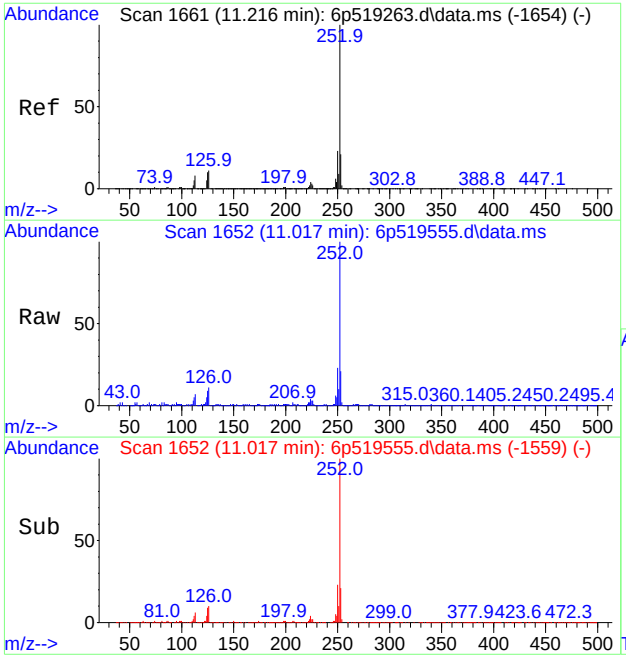


#96
Benzo[k]fluoranthene
Concen: 9.0404 ppm m
RT: 10.745 min Scan# 1601
Delta R.T. -0.005 min
Lab File: 6p519555.d
Acq: 17 Dec 2024 5:16 pm

Tgt Ion:252 Resp: 195129

Ion	Ratio	Lower	Upper
252	100		
253	21.6	0.0	51.4
125	9.1	0.0	37.8

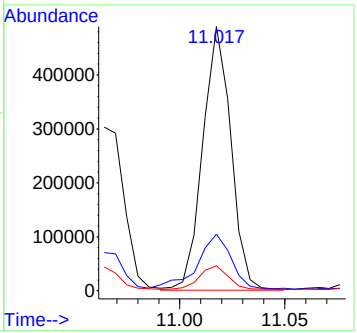


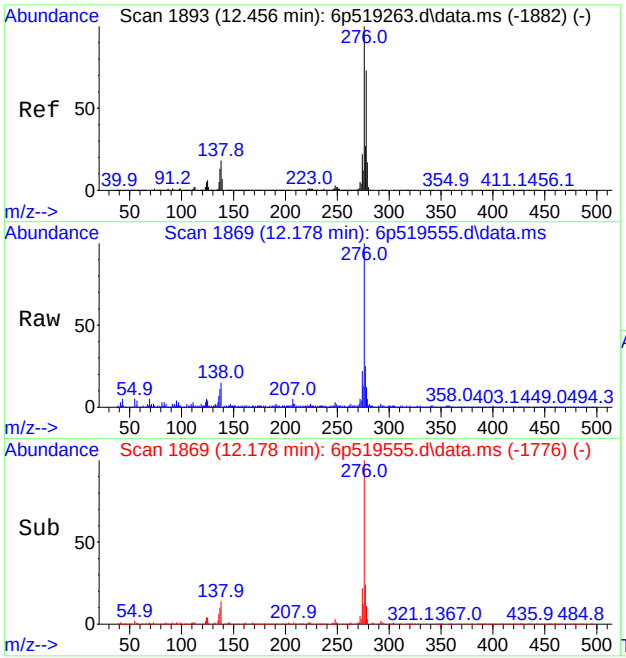


#97
Benzo[a]pyrene
Concen: 24.0201 ppm
RT: 11.017 min Scan# 1652
Delta R.T. -0.000 min
Lab File: 6p519555.d
Acq: 17 Dec 2024 5:16 pm

Tgt Ion:252 Resp: 458158

Ion	Ratio	Lower	Upper
252	100		
253	20.0	0.0	51.0
125	8.9	0.0	37.9

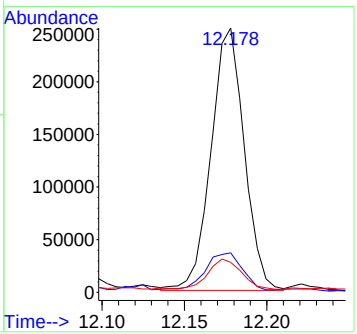


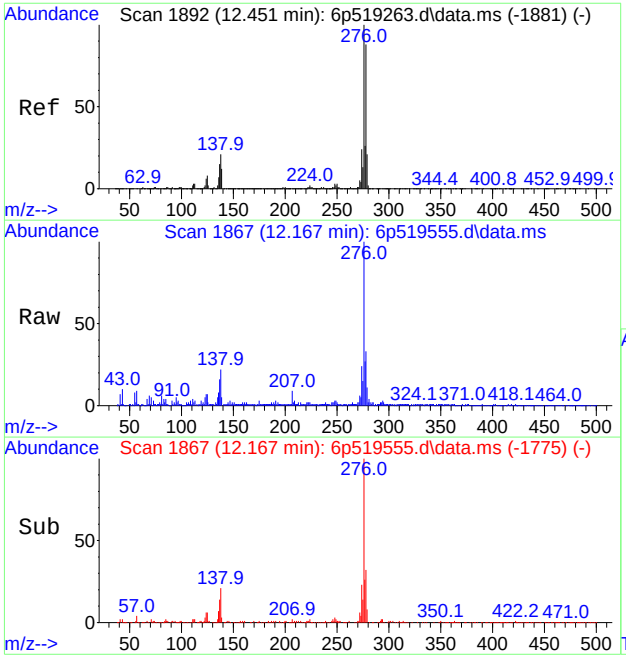


#98
Indeno[1,2,3-cd]pyrene
Concen: 13.2444 ppm
RT: 12.178 min Scan# 1869
Delta R.T. -0.000 min
Lab File: 6p519555.d
Acq: 17 Dec 2024 5:16 pm

Tgt Ion:276 Resp: 348927

Ion	Ratio	Lower	Upper
276	100		
138	14.1	0.0	49.9
137	10.1	0.0	44.3

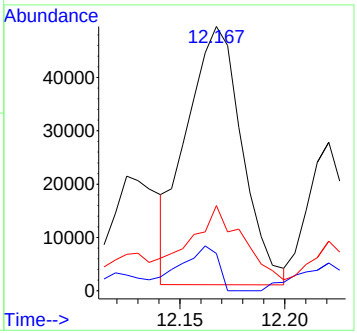


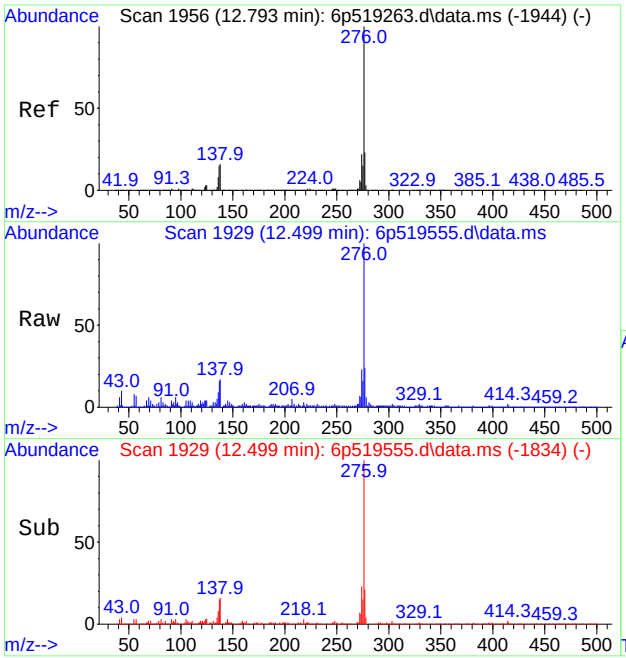


#100
Dibenz[a,h]anthracene
Concen: 4.1416 ppm
RT: 12.167 min Scan# 1867
Delta R.T. -0.005 min
Lab File: 6p519555.d
Acq: 17 Dec 2024 5:16 pm

Tgt Ion:278 Resp: 89350

Ion	Ratio	Lower	Upper
278	100		
139	12.8	0.0	42.8
279	30.9	0.0	53.3

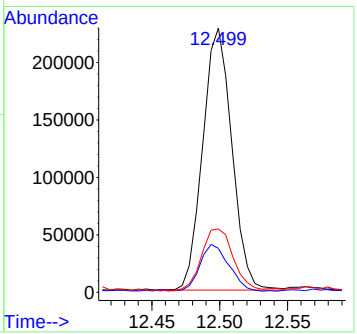




#102
Benzo[g,h,i]perylene
Concen: 16.7789 ppm
RT: 12.499 min Scan# 1929
Delta R.T. 0.011 min
Lab File: 6p519555.d
Acq: 17 Dec 2024 5:16 pm

Tgt Ion:276 Resp: 339114

Ion	Ratio	Lower	Upper
276	100		
138	15.9	0.0	47.9
277	23.3	0.0	53.6



Manual Integrations APPROVED (compounds with "m" flag)
Jezreel Oblin
12/09/24 05:26

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\recheleb\E4P3703\
Data File : 4p694162.d
Acq On : 6 Dec 2024 8:14 pm
Operator : kaleigh
Sample : je1542-8 Inst : GCMS4P
Misc : op59876,e4p3703,30.01,,,1,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 08 10:43:07 2024
Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Sun Dec 08 08:17:46 2024
Response via : Initial Calibration

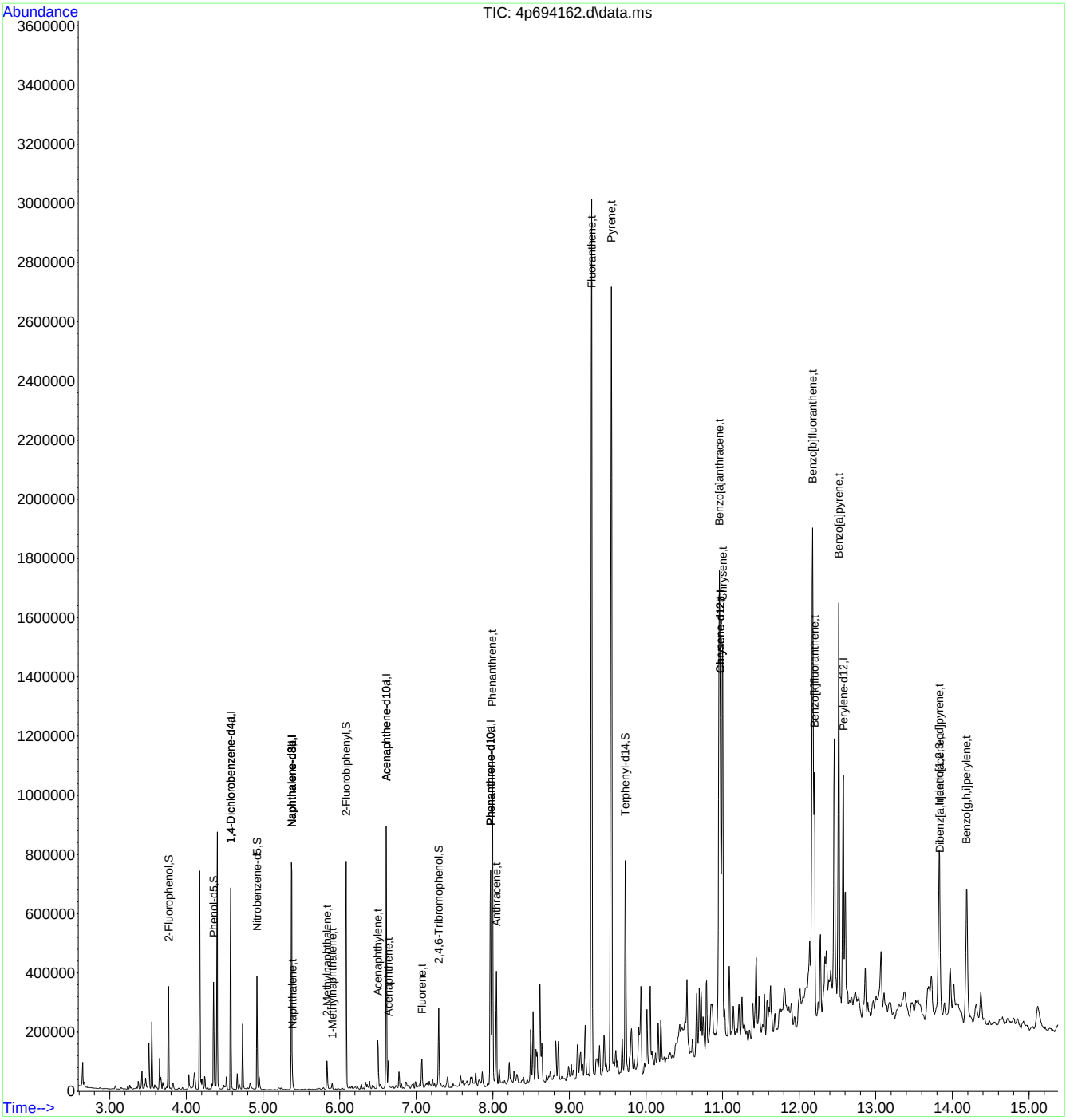
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.580	152	75675	40.00	ppm	0.00
24) Naphthalene-d8	5.376	136	275859	40.00	ppm	0.00
46) Acenaphthene-d10	6.610	164	154398	40.00	ppm	0.00
69) Phenanthrene-d10	7.972	188	261888	40.00	ppm	0.00
84) Chrysene-d12	10.969	240	292007	40.00	ppm	0.02
93) Perylene-d12	12.577	264	309564	40.00	ppm	0.02
103) 1,4-Dichlorobenzene-d4a	4.580	152	75675	40.00	ppm	0.00
105) Acenaphthene-d10a	6.610	164	154398	40.00	ppm	0.00
107) Chrysene-d12a	10.969	240	292007	40.00	ppm	0.02
109) Phenanthrene-d10a	7.972	188	261888	40.00	ppm	0.00
111) Naphthalene-d8a	5.376	136	275859	40.00	ppm	0.00
113) Chrysene-d12b	10.969	240	292007	40.00	ppm	0.02
115) Naphthalene-d8b	5.376	136	275859	40.00	ppm	0.00
118) Naphthalene-d8c	5.376	136	275859	40.00	ppm	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.768	112	69836	33.57	ppm	0.01
Spiked Amount 50.000			Recovery =	67.14%		
8) Phenol-d5	4.355	99	88694	32.41	ppm	0.01
Spiked Amount 50.000			Recovery =	64.82%		
25) Nitrobenzene-d5	4.922	82	78929	32.30	ppm	0.00
Spiked Amount 50.000			Recovery =	64.60%		
51) 2-Fluorobiphenyl	6.086	172	180018	34.24	ppm	0.00
Spiked Amount 50.000			Recovery =	68.48%		
74) 2,4,6-Tribromophenol	7.294	330	22384	33.92	ppm	0.00
Spiked Amount 50.000			Recovery =	67.84%		
87) Terphenyl-d14	9.730	244	229071	31.53	ppm	0.00
Spiked Amount 50.000			Recovery =	63.06%		
108) 1-chlorooctadecane	0.000	57	0d	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
110) o-terphenyl	0.000	230	0	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
38) Naphthalene	5.386	128	10645	1.4758	ppm	98
44) 2-Methylnaphthalene	5.835	141	4343	0.9942	ppm	98
45) 1-Methylnaphthalene	5.905	142	4184	0.9029	ppm	93
56) Acenaphthylene	6.498	152	68477	10.8795	ppm	97
59) Acenaphthene	6.636	153	17896	3.7209	ppm	94
66) Fluorene	7.075	166	26222	5.0335	ppm	90
78) Phenanthrene	7.993	178	407395	55.5775	ppm	98
79) Anthracene	8.047	178	135514	18.8061	ppm	99
82) Fluoranthene	9.292	202	1199180	150.8531	ppm	98
86) Pyrene	9.548	202	1155493	112.4647	ppm	98
89) Benzo[a]anthracene	10.958	228	612090	64.4702	ppm	97
91) Chrysene	11.001	228	551987	60.3029	ppm	99
95) Benzo[b]fluoranthene	12.176	252	811444m	84.6820	ppm	
96) Benzo[k]fluoranthene	12.198	252	207712m	22.8613	ppm	
97) Benzo[a]pyrene	12.518	252	556424	68.6851	ppm	98
98) Indeno[1,2,3-cd]pyrene	13.827	276	314384	29.1448	ppm	99
100) Dibenz[a,h]anthracene	13.838	278	75086	8.5831	ppm	91
102) Benzo[g,h,i]perylene	14.185	276	290127	35.5239	ppm	98

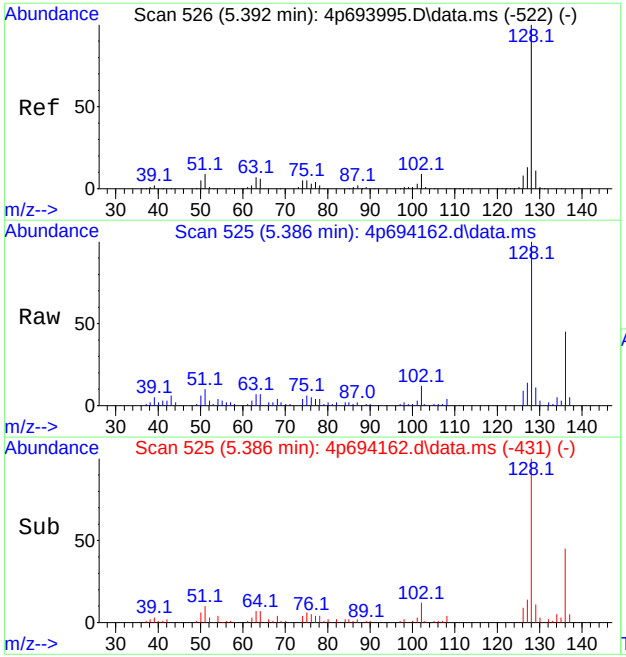
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\recheleb\E4P3703\
Data File : 4p694162.d
Acq On : 6 Dec 2024 8:14 pm
Operator : kaleigh
Sample : je1542-8 Inst : GCMS4P
Misc : op59876,e4p3703,30.01,,,1,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 08 10:43:07 2024
Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Sun Dec 08 08:17:46 2024
Response via : Initial Calibration

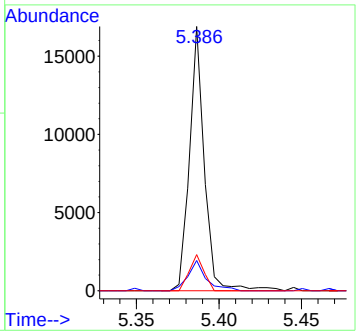


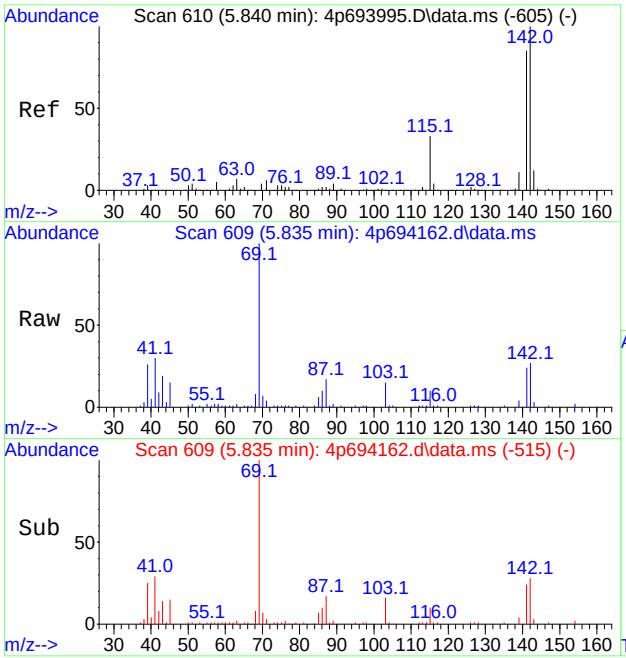


#38
Naphthalene
Concen: 1.4758 ppm
RT: 5.386 min Scan# 525
Delta R.T. -0.000 min
Lab File: 4p694162.d
Acq: 6 Dec 2024 8:14 pm

Tgt Ion:128 Resp: 10645

Ion	Ratio	Lower	Upper
128	100		
129	11.4	0.0	40.8
127	13.7	0.0	42.7

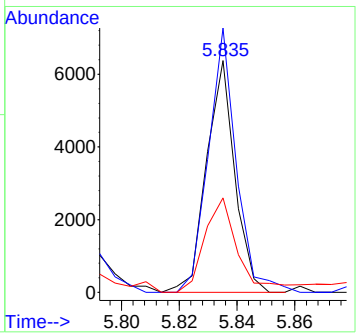


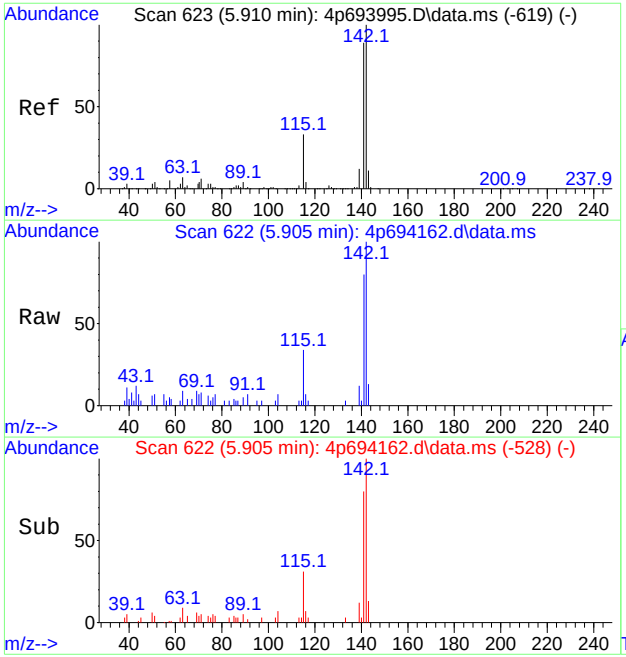


#44
2-Methylnaphthalene
Concen: 0.9942 ppm
RT: 5.835 min Scan# 609
Delta R.T. -0.000 min
Lab File: 4p694162.d
Acq: 6 Dec 2024 8:14 pm

Tgt Ion:141 Resp: 4343

Ion	Ratio	Lower	Upper
141	100		
142	112.9	84.2	144.2
115	39.2	7.8	67.8

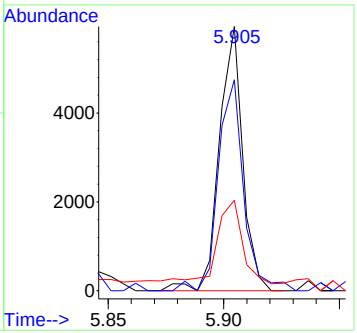


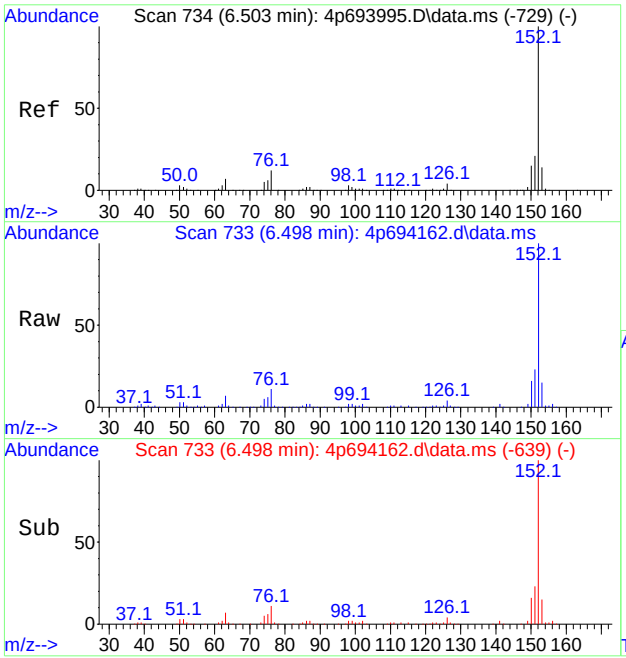


#45
1-Methylnaphthalene
Concen: 0.9029 ppm
RT: 5.905 min Scan# 622
Delta R.T. -0.000 min
Lab File: 4p694162.d
Acq: 6 Dec 2024 8:14 pm

Tgt Ion:142 Resp: 4184

Ion	Ratio	Lower	Upper
142	100		
141	78.2	55.0	115.0
115	31.0	3.5	63.5

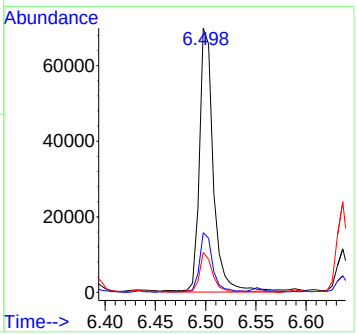


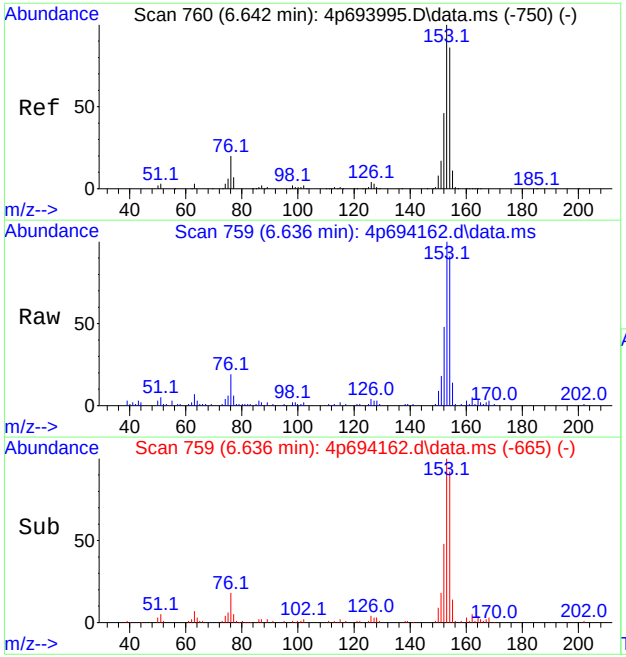


#56
Acenaphthylene
Concen: 10.8795 ppm
RT: 6.498 min Scan# 733
Delta R.T. -0.000 min
Lab File: 4p694162.d
Acq: 6 Dec 2024 8:14 pm

Tgt Ion:152 Resp: 68477

Ion	Ratio	Lower	Upper
152	100		
151	22.4	0.0	51.0
153	15.0	0.0	44.1

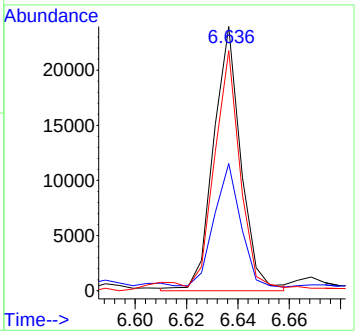


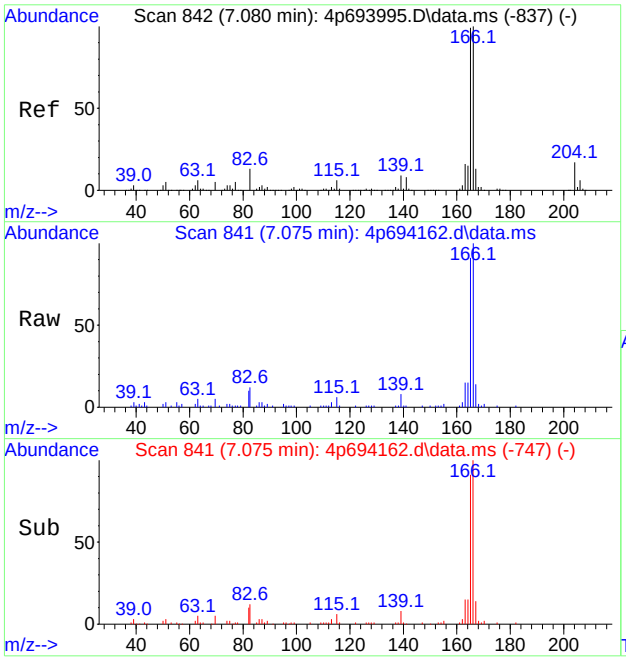


#59
Acenaphthene
Concen: 3.7209 ppm
RT: 6.636 min Scan# 759
Delta R.T. -0.000 min
Lab File: 4p694162.d
Acq: 6 Dec 2024 8:14 pm

Tgt Ion:153 Resp: 17896

Ion	Ratio	Lower	Upper
153	100		
152	46.8	17.0	77.0
154	90.0	51.7	111.7

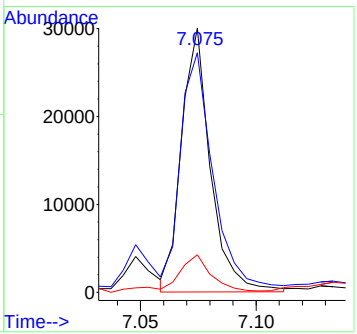


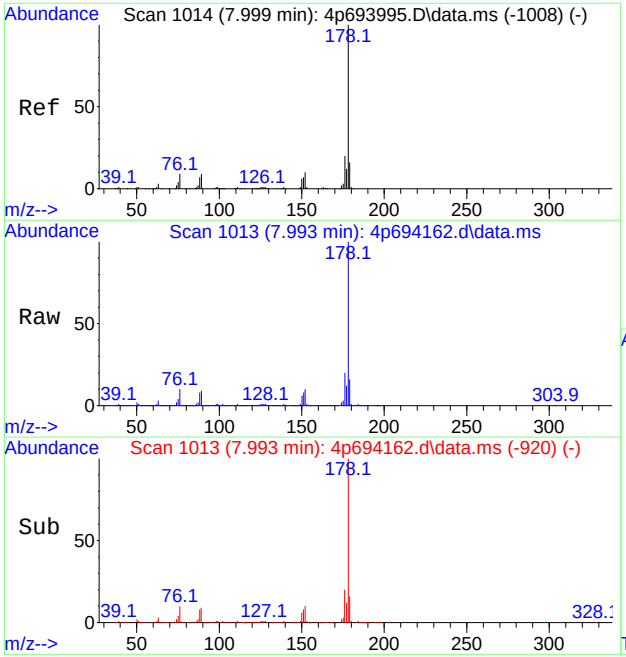


#66
Fluorene
Concen: 5.0335 ppm
RT: 7.075 min Scan# 841
Delta R.T. -0.000 min
Lab File: 4p694162.d
Acq: 6 Dec 2024 8:14 pm

Tgt Ion:166 Resp: 26222

Ion	Ratio	Lower	Upper
166	100		
165	89.2	70.1	130.1
167	13.2	0.0	43.7

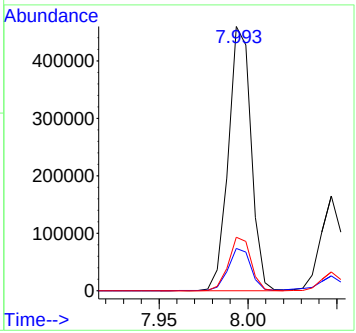


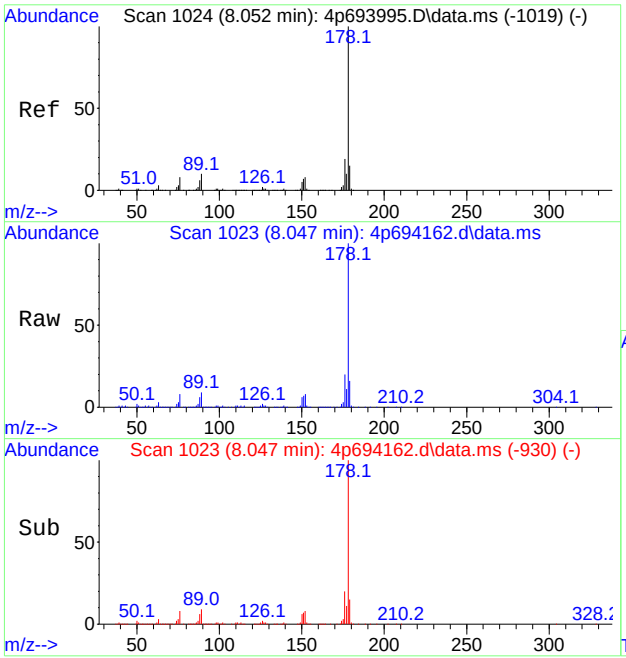


#78
Phenanthrene
Concen: 55.5775 ppm
RT: 7.993 min Scan# 1013
Delta R.T. -0.006 min
Lab File: 4p694162.d
Acq: 6 Dec 2024 8:14 pm

Tgt Ion:178 Resp: 407395

Ion	Ratio	Lower	Upper
178	100		
179	15.9	0.0	45.1
176	20.3	0.0	49.7

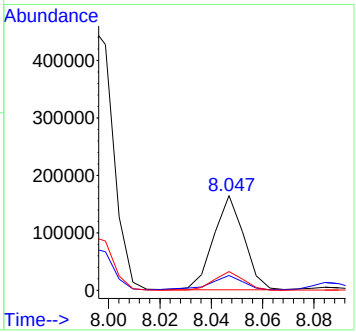


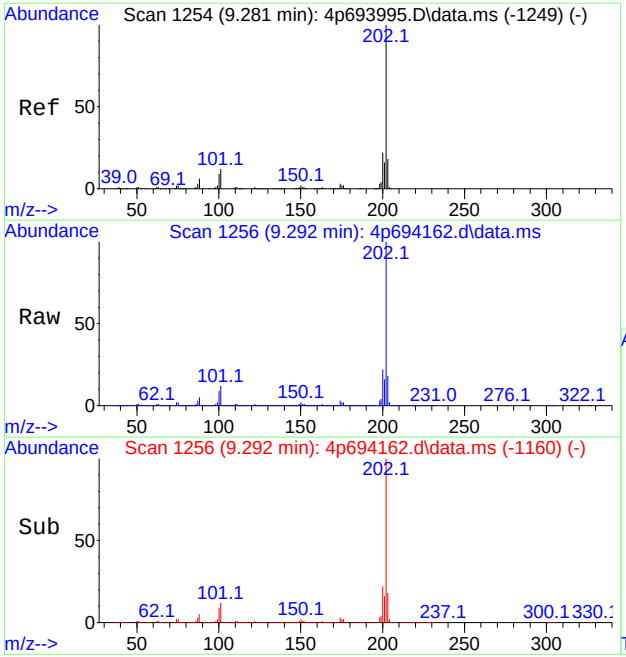


#79
Anthracene
Concen: 18.8061 ppm
RT: 8.047 min Scan# 1023
Delta R.T. -0.006 min
Lab File: 4p694162.d
Acq: 6 Dec 2024 8:14 pm

Tgt Ion:178 Resp: 135514

Ion	Ratio	Lower	Upper
178	100		
179	15.1	0.0	45.3
176	20.0	0.0	49.3

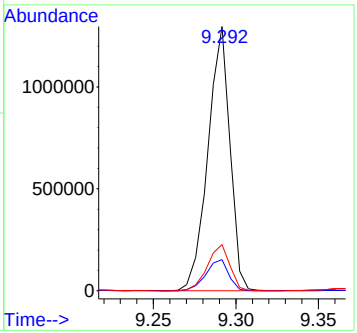


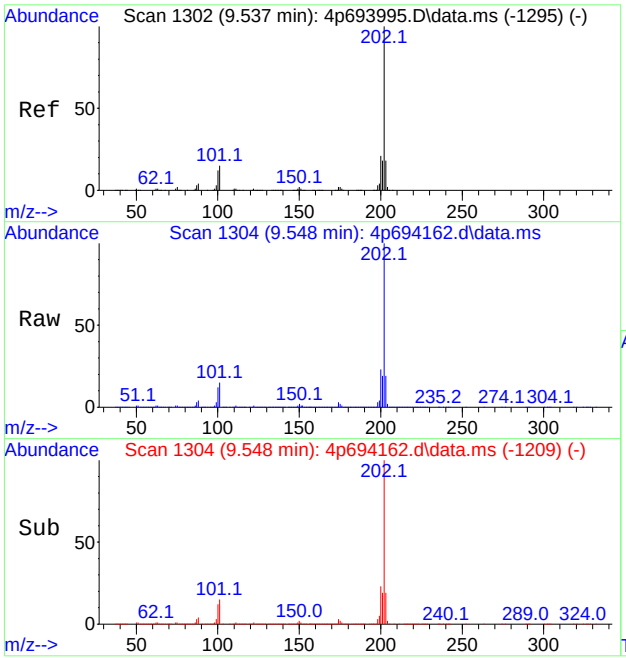


#82
Fluoranthene
Concen: 150.8531 ppm
RT: 9.292 min Scan# 1256
Delta R.T. 0.010 min
Lab File: 4p694162.d
Acq: 6 Dec 2024 8:14 pm

Tgt Ion:202 Resp: 1199180

Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	43.3
203	17.5	0.0	48.2

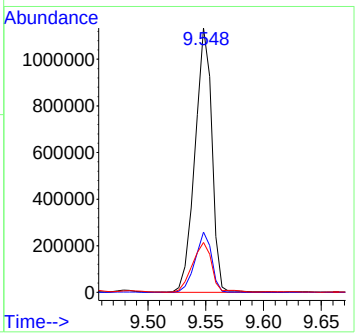


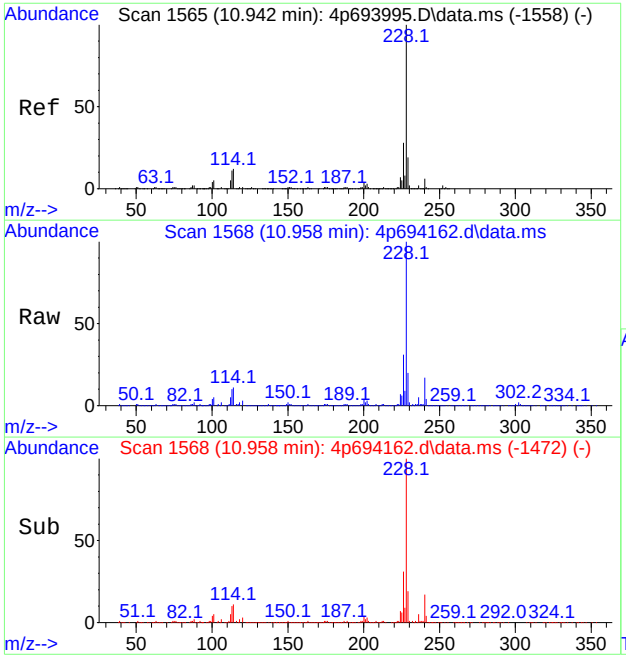


#86
Pyrene
Concen: 112.4647 ppm
RT: 9.548 min Scan# 1304
Delta R.T. 0.005 min
Lab File: 4p694162.d
Acq: 6 Dec 2024 8:14 pm

Tgt Ion:202 Resp: 1155493

Ion	Ratio	Lower	Upper
202	100		
200	22.8	0.0	52.1
203	18.7	0.0	47.5

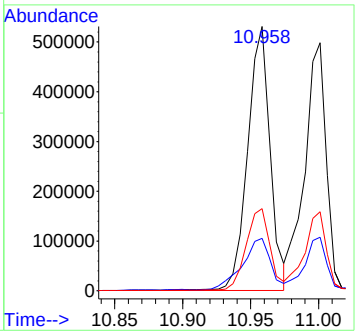


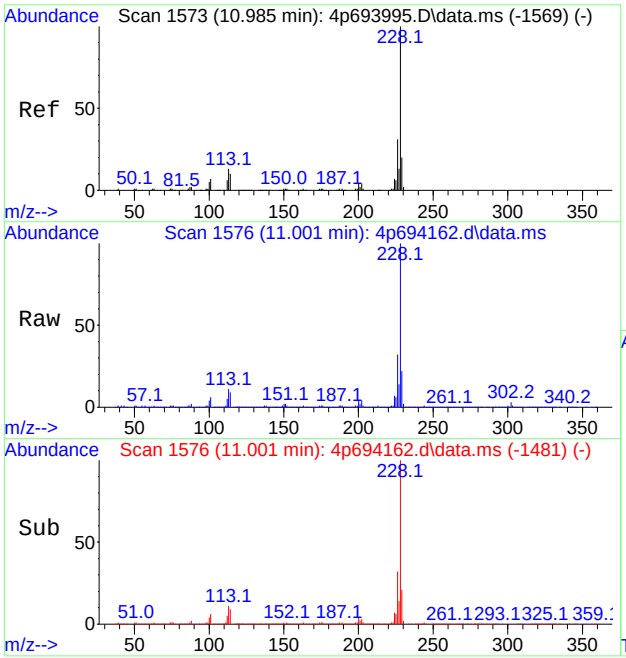


#89
Benzo[a]anthracene
Concen: 64.4702 ppm
RT: 10.958 min Scan# 1568
Delta R.T. 0.010 min
Lab File: 4p694162.d
Acq: 6 Dec 2024 8:14 pm

Tgt Ion:228 Resp: 612090

Ion	Ratio	Lower	Upper
228	100		
229	19.3	0.0	49.7
226	30.9	0.0	58.6

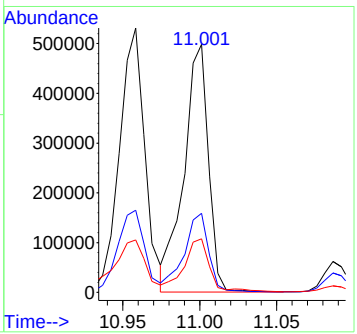


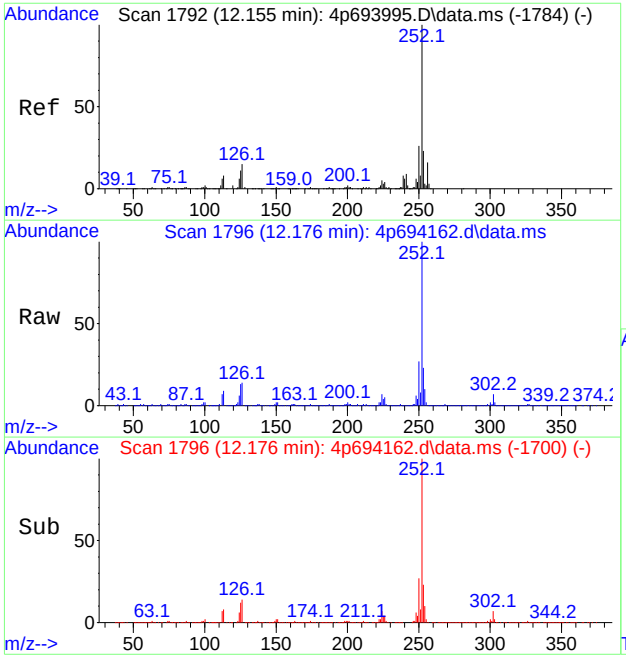


#91
Chrysene
Concen: 60.3029 ppm
RT: 11.001 min Scan# 1576
Delta R.T. 0.005 min
Lab File: 4p694162.d
Acq: 6 Dec 2024 8:14 pm

Tgt Ion:228 Resp: 551987

Ion	Ratio	Lower	Upper
228	100		
226	31.6	1.6	61.6
229	21.1	0.0	50.0

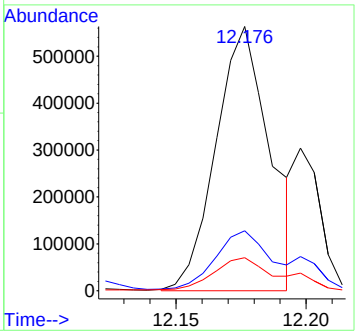


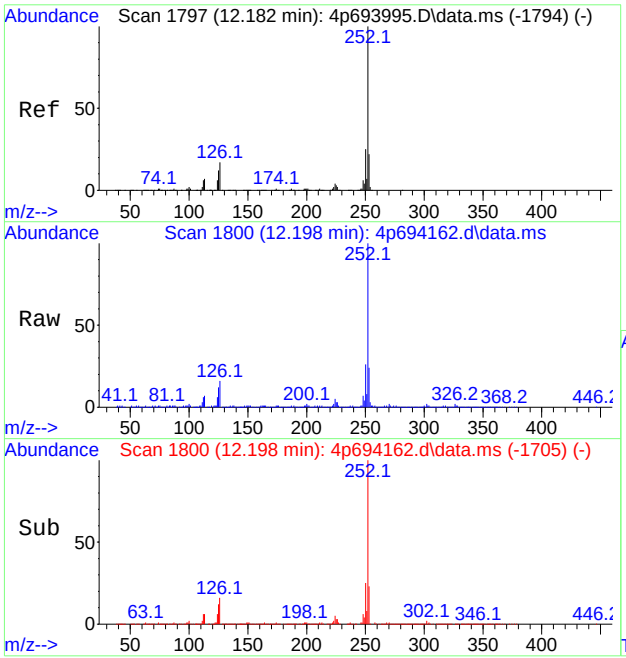


#95
Benzo[b]fluoranthene
Concen: 84.6820 ppm m
RT: 12.176 min Scan# 1796
Delta R.T. 0.010 min
Lab File: 4p694162.d
Acq: 6 Dec 2024 8:14 pm

Tgt Ion:252 Resp: 811444

Ion	Ratio	Lower	Upper
252	100		
253	22.7	0.0	52.2
125	12.5	0.0	41.9

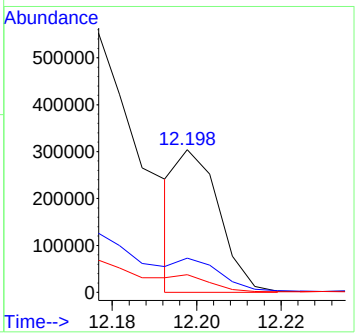


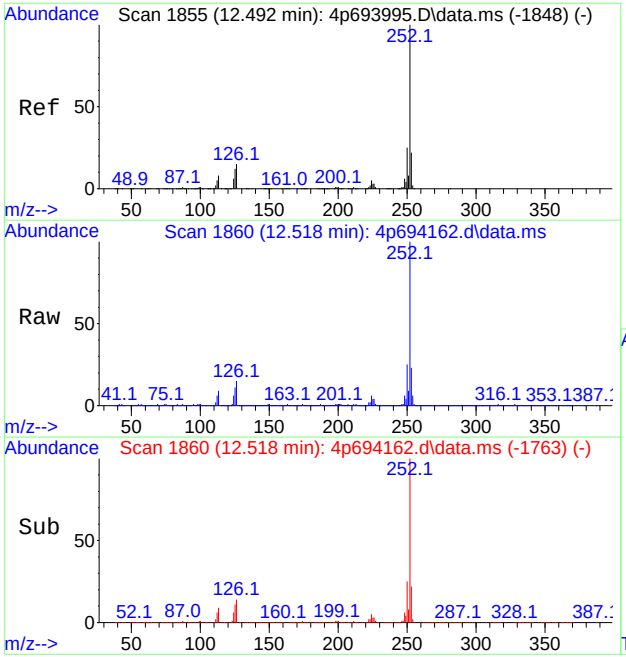


#96
Benzo[k]fluoranthene
Concen: 22.8613 ppm m
RT: 12.198 min Scan# 1800
Delta R.T. 0.005 min
Lab File: 4p694162.d
Acq: 6 Dec 2024 8:14 pm

Tgt Ion:252 Resp: 207712

Ion	Ratio	Lower	Upper
252	100		
253	24.0	0.0	51.9
125	12.5	0.0	41.8

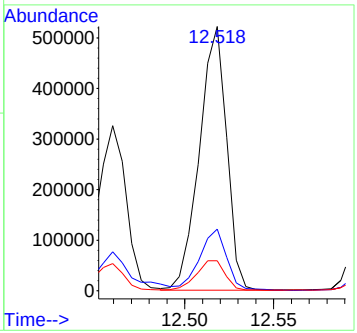


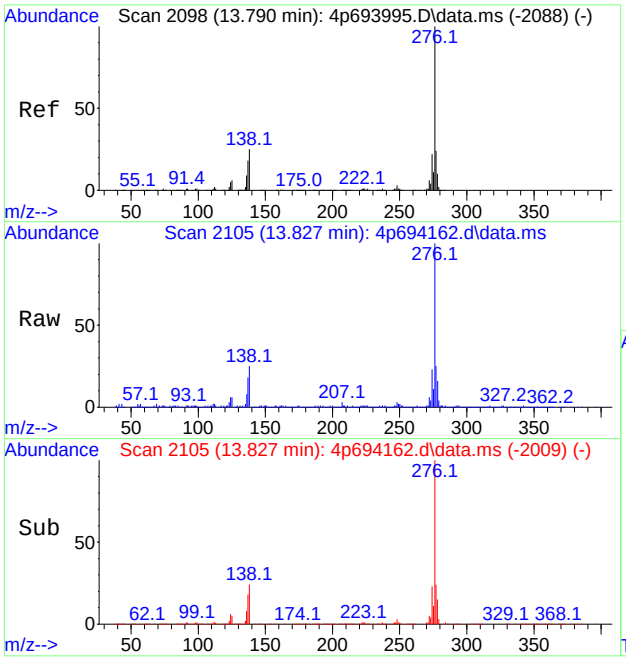


#97
Benzo[a]pyrene
Concen: 68.6851 ppm
RT: 12.518 min Scan# 1860
Delta R.T. 0.016 min
Lab File: 4p694162.d
Acq: 6 Dec 2024 8:14 pm

Tgt Ion:252 Resp: 556424

Ion	Ratio	Lower	Upper
252	100		
253	22.0	0.0	52.0
125	11.1	0.0	43.3

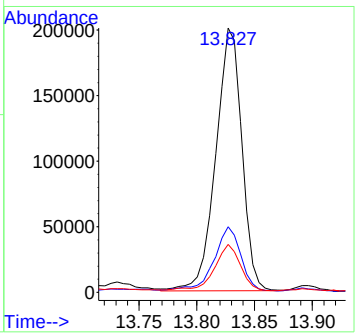


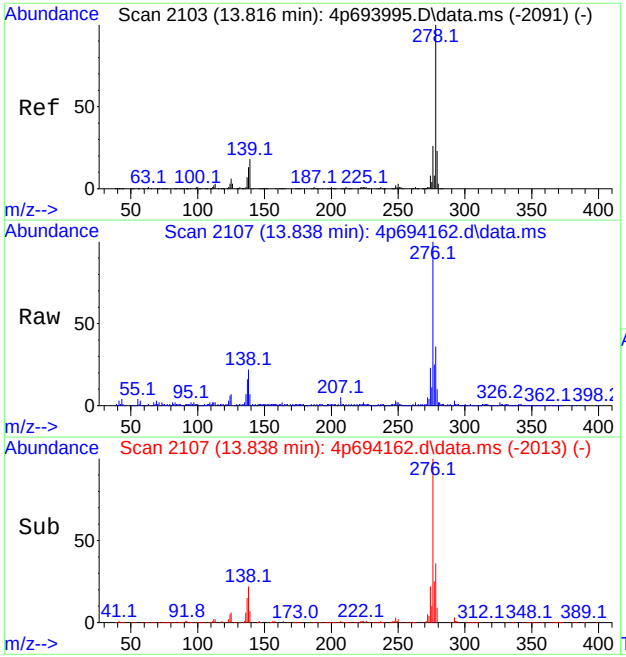


#98
Indeno[1,2,3-cd]pyrene
Concen: 29.1448 ppm
RT: 13.827 min Scan# 2105
Delta R.T. 0.010 min
Lab File: 4p694162.d
Acq: 6 Dec 2024 8:14 pm

Tgt Ion:276 Resp: 314384

Ion	Ratio	Lower	Upper
276	100		
138	24.3	0.0	55.0
137	17.5	0.0	47.6

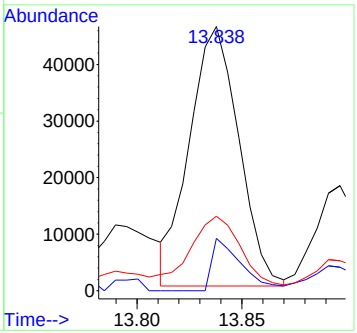


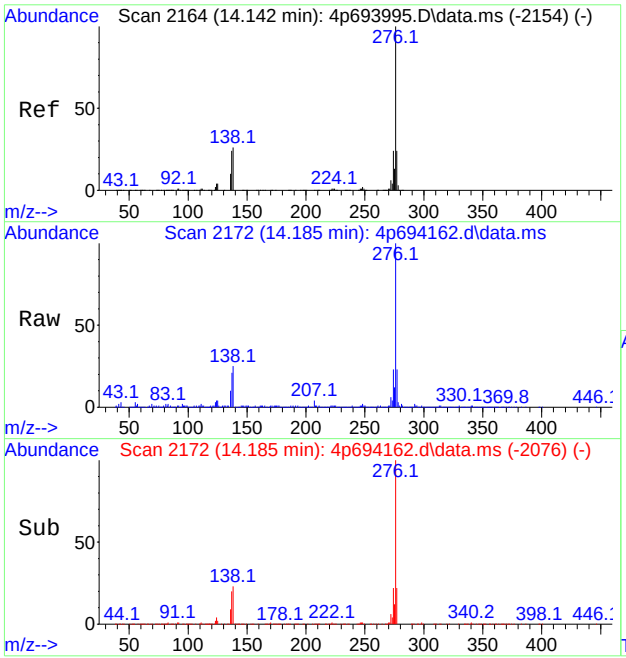


#100
Dibenz[a,h]anthracene
Concen: 8.5831 ppm
RT: 13.838 min Scan# 2107
Delta R.T. -0.000 min
Lab File: 4p694162.d
Acq: 6 Dec 2024 8:14 pm

Tgt Ion:278 Resp: 75086

Ion	Ratio	Lower	Upper
278	100		
139	21.4	0.0	48.0
279	27.1	0.0	52.2

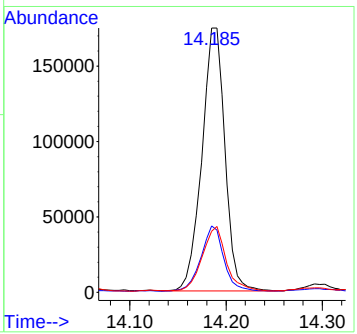




#102
Benzo[g,h,i]perylene
Concen: 35.5239 ppm
RT: 14.185 min Scan# 2172
Delta R.T. 0.010 min
Lab File: 4p694162.d
Acq: 6 Dec 2024 8:14 pm

Tgt Ion:276 Resp: 290127

Ion	Ratio	Lower	Upper
276	100		
138	24.7	0.0	55.7
277	22.6	0.0	53.4



Manual Integrations APPROVED (compounds with "m" flag)
Jon Kreigmor Mamanta 12/18/24 07:17

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\altheam\e6p4336\
Data File : 6p519556.d
Acq On : 17 Dec 2024 5:37 pm
Operator : anthonyo
Sample : je1542-9t Inst : GCMS6P
Misc : op60221,e6p4336,30.5,,,1,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Dec 18 08:33:03 2024
Quant Method : X:\Dayton SVOA GCMS\altheam\method\M6P4256.M
Quant Title : Semi Volatile GC/MS,zb-5msplus30m x .25mm x .25um
QLast Update : Wed Dec 18 06:35:30 2024
Response via : Initial Calibration

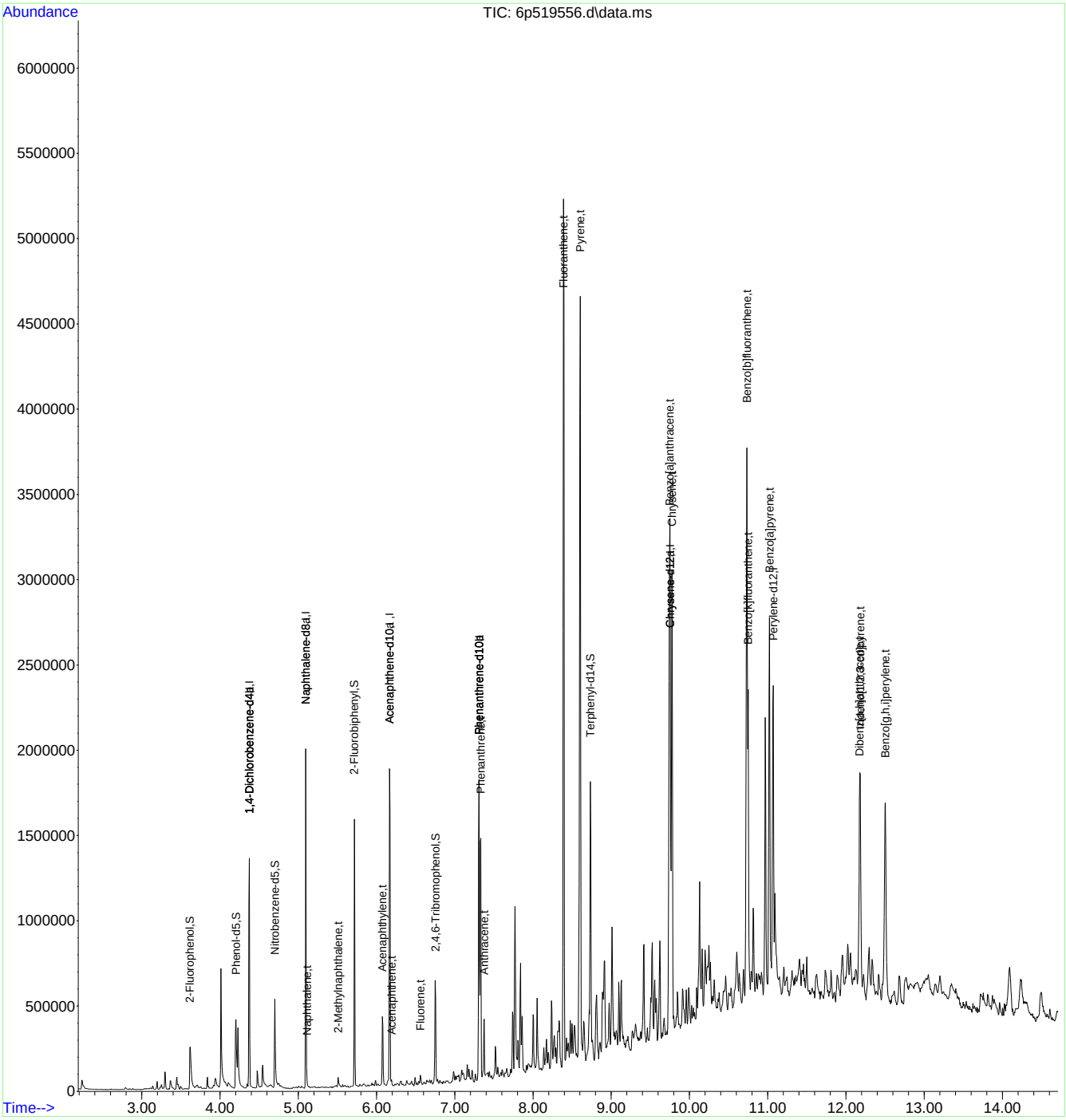
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.374	152	150555	40.00	ppm	0.00
24) Naphthalene-d8	5.096	136	567199	40.00	ppm	0.00
46) Acenaphthene-d10	6.166	164	322223	40.00	ppm	0.00
69) Phenanthrene-d10	7.311	188	549563	40.00	ppm	0.00
84) Chrysene-d12	9.755	240	579410	40.00	ppm	0.01
93) Perylene-d12	11.071	264	709973	40.00	ppm	0.01
103) 1,4-Dichlorobenzene-d4a	4.374	152	150555	40.00	ppm	0.00
105) Phenanthrene-d10a	7.311	188	549563	40.00	ppm	0.00
107) Naphthalene-d8a	5.096	136	567199	40.00	ppm	0.00
109) 1,4-Dichlorobenzene-d4b	4.374	152	150555	40.00	ppm	0.00
112) Acenaphthene-d10a	6.166	164	322223	40.00	ppm	0.00
114) Phenanthrene-d10b	7.311	188	549563	40.00	ppm	0.00
117) Chrysene-d12a	9.755	240	579410	40.00	ppm	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	3.615	112	101582	20.35	ppm	0.00
Spiked Amount 50.000			Recovery =	40.70%		
8) Phenol-d5	4.203	99	159141	24.19	ppm	0.01
Spiked Amount 50.000			Recovery =	48.38%		
25) Nitrobenzene-d5	4.700	82	137867	24.75	ppm	0.00
Spiked Amount 50.000			Recovery =	49.50%		
51) 2-Fluorobiphenyl	5.717	172	358185	34.04	ppm	0.00
Spiked Amount 50.000			Recovery =	68.08%		
74) 2,4,6-Tribromophenol	6.754	330	67906	41.83	ppm	0.00
Spiked Amount 50.000			Recovery =	83.66%		
87) Terphenyl-d14	8.733	244	494190	33.11	ppm	0.00
Spiked Amount 50.000			Recovery =	66.22%		
115) 1-chlorooctadecane	0.000	57	0d	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
116) o-terphenyl	0.000	230	0d	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
38) Naphthalene	5.112	128	6012	0.4068	ppm	89
44) 2-Methylnaphthalene	5.508	141	2599	0.3014	ppm	79
56) Acenaphthylene	6.075	152	144259	11.9566	ppm	95
59) Acenaphthene	6.193	153	5984m	0.5949	ppm	
66) Fluorene	6.562	166	14487	1.3496	ppm	97
78) Phenanthrene	7.332	178	500695	34.2833	ppm	99
79) Anthracene	7.375	178	119568	8.2029	ppm	96
82) Fluoranthene	8.391	202	1883257	118.3742	ppm	98
86) Pyrene	8.605	202	1775569	90.9719	ppm	99
89) Benzo[a]anthracene	9.744	228	929629	48.0636	ppm	96
91) Chrysene	9.776	228	852414	46.3484	ppm	99
95) Benzo[b]fluoranthene	10.734	252	1405032m	63.6620	ppm	
96) Benzo[k]fluoranthene	10.750	252	376364m	18.9162	ppm	
97) Benzo[a]pyrene	11.023	252	845912	48.1111	ppm	99
98) Indeno[1,2,3-cd]pyrene	12.183	276	692508	28.5156	ppm	93
100) Dibenz[a,h]anthracene	12.173	278	177397	8.9202	ppm	87
102) Benzo[g,h,i]perylene	12.504	276	645791	34.6634	ppm	98

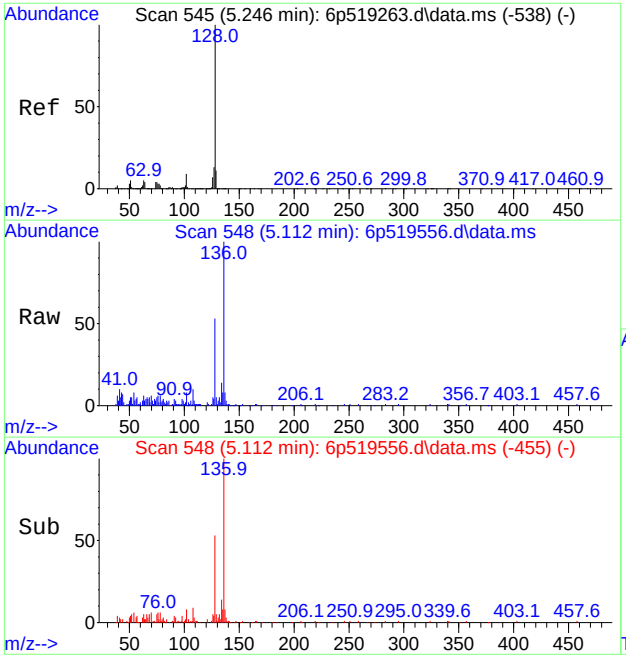
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\altheam\e6p4336\
Data File : 6p519556.d
Acq On : 17 Dec 2024 5:37 pm
Operator : anthonyo
Sample : je1542-9t Inst : GCMS6P
Misc : op60221,e6p4336,30.5,,,1,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Dec 18 08:33:03 2024
Quant Method : X:\Dayton SVOA GCMS\altheam\method\M6P4256.M
Quant Title : Semi Volatile GC/MS,zb-5msplus30m x .25mm x .25um
QLast Update : Wed Dec 18 06:35:30 2024
Response via : Initial Calibration

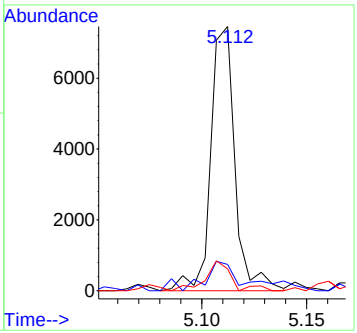


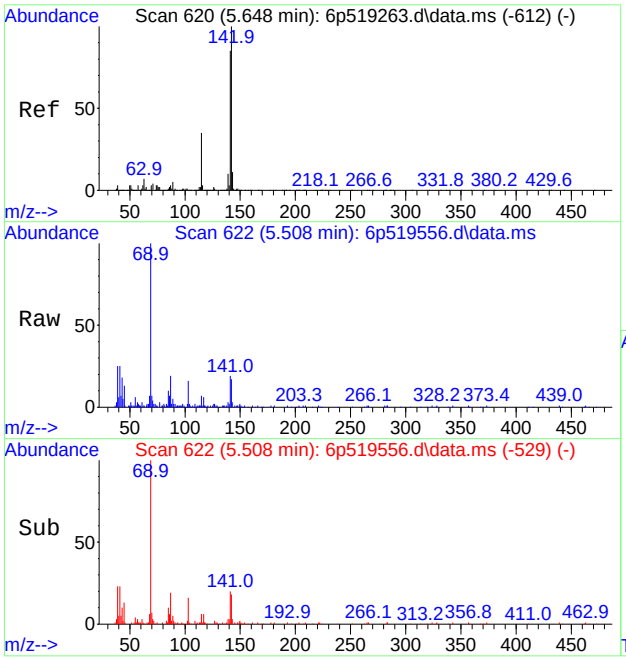


#38
Naphthalene
Concen: 0.4068 ppm
RT: 5.112 min Scan# 548
Delta R.T. -0.000 min
Lab File: 6p519556.d
Acq: 17 Dec 2024 5:37 pm

Tgt Ion:128 Resp: 6012

Ion	Ratio	Lower	Upper
128	100		
129	8.2	0.0	40.5
127	7.2	0.0	43.2

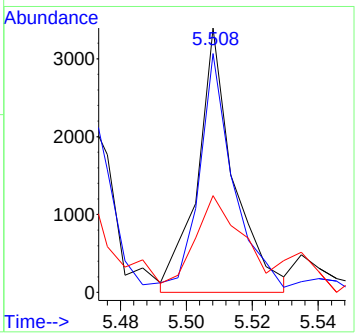


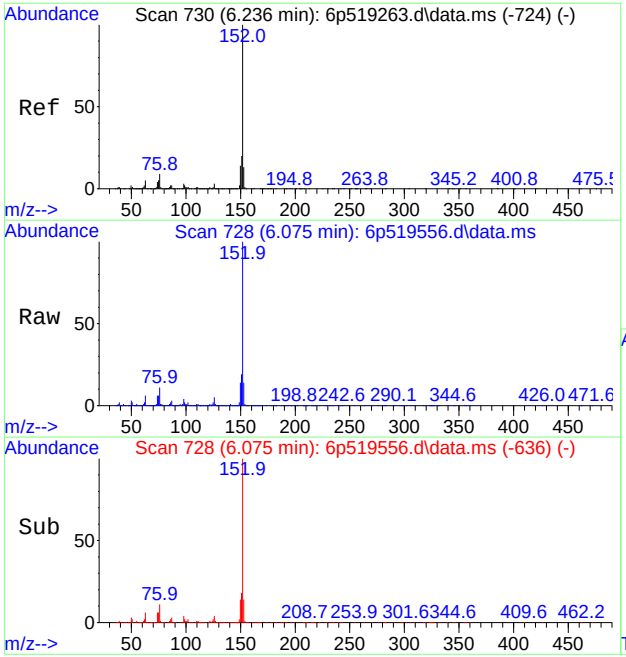


#44
2-Methylnaphthalene
Concen: 0.3014 ppm
RT: 5.508 min Scan# 622
Delta R.T. -0.000 min
Lab File: 6p519556.d
Acq: 17 Dec 2024 5:37 pm

Tgt Ion:141 Resp: 2599

Ion	Ratio	Lower	Upper
141	100		
142	91.9	86.9	146.9
115	26.5	5.9	65.9

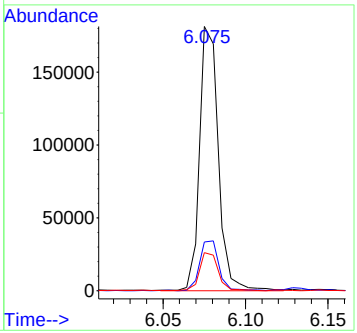


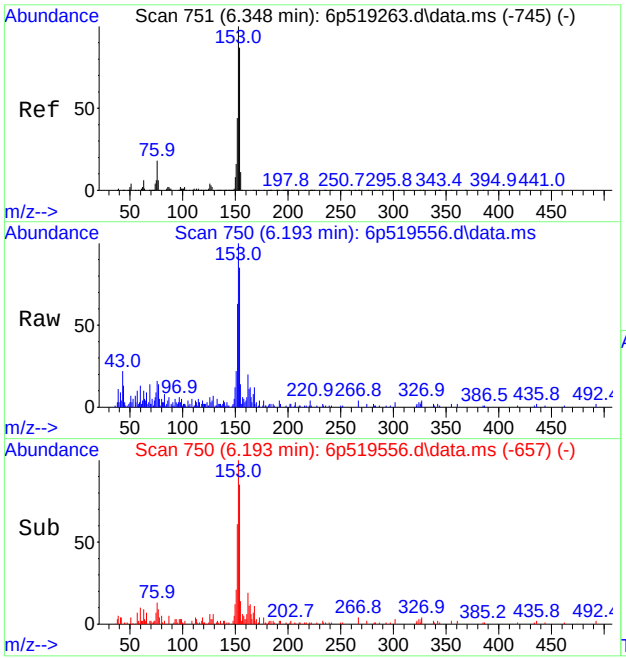


#56
Acenaphthylene
Concen: 11.9566 ppm
RT: 6.075 min Scan# 728
Delta R.T. -0.006 min
Lab File: 6p519556.d
Acq: 17 Dec 2024 5:37 pm

Tgt Ion:152 Resp: 144259

Ion	Ratio	Lower	Upper
152	100		
151	18.2	0.0	50.9
153	14.4	0.0	43.2

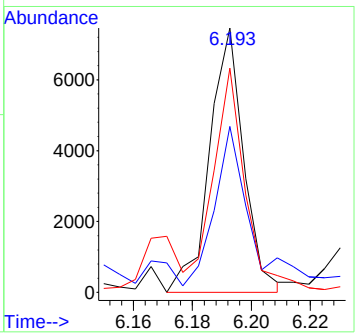


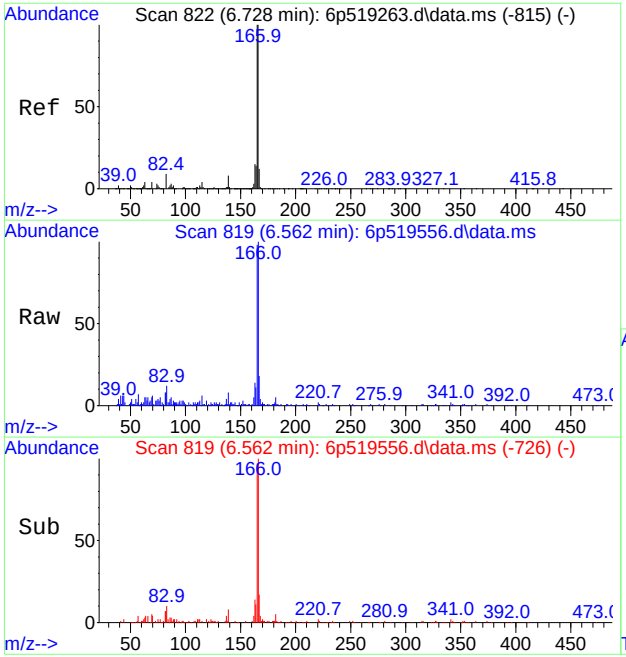


#59
Acenaphthene
Concen: 0.5949 ppm m
RT: 6.193 min Scan# 750
Delta R.T. -0.000 min
Lab File: 6p519556.d
Acq: 17 Dec 2024 5:37 pm

Tgt Ion:153 Resp: 5984

Ion	Ratio	Lower	Upper
153	100		
152	62.7	12.9	72.9
154	84.8	55.3	115.3

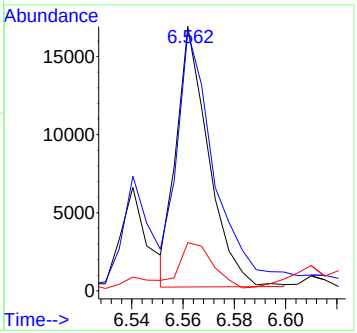


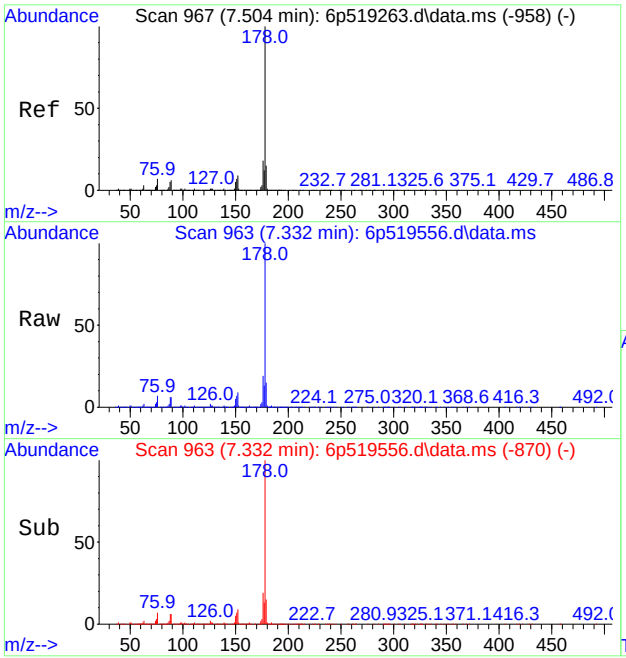


#66
Fluorene
Concen: 1.3496 ppm
RT: 6.562 min Scan# 819
Delta R.T. -0.000 min
Lab File: 6p519556.d
Acq: 17 Dec 2024 5:37 pm

Tgt Ion:166 Resp: 14487

Ion	Ratio	Lower	Upper
166	100		
165	94.1	66.4	126.4
167	15.3	0.0	42.5

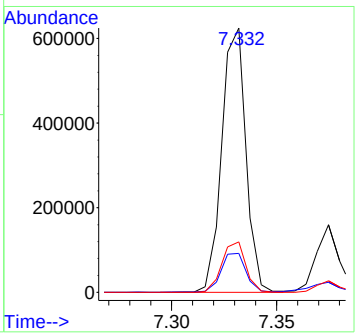


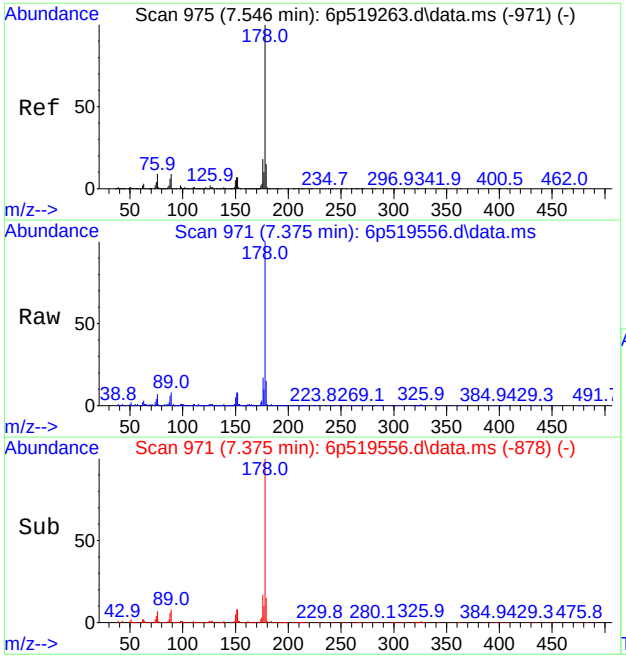


#78
Phenanthrene
Concen: 34.2833 ppm
RT: 7.332 min Scan# 963
Delta R.T. -0.000 min
Lab File: 6p519556.d
Acq: 17 Dec 2024 5:37 pm

Tgt Ion:178 Resp: 500695

Ion	Ratio	Lower	Upper
178	100		
179	14.6	0.0	44.9
176	19.1	0.0	48.6

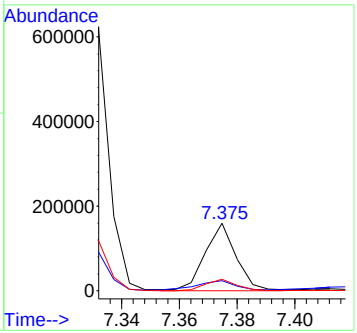


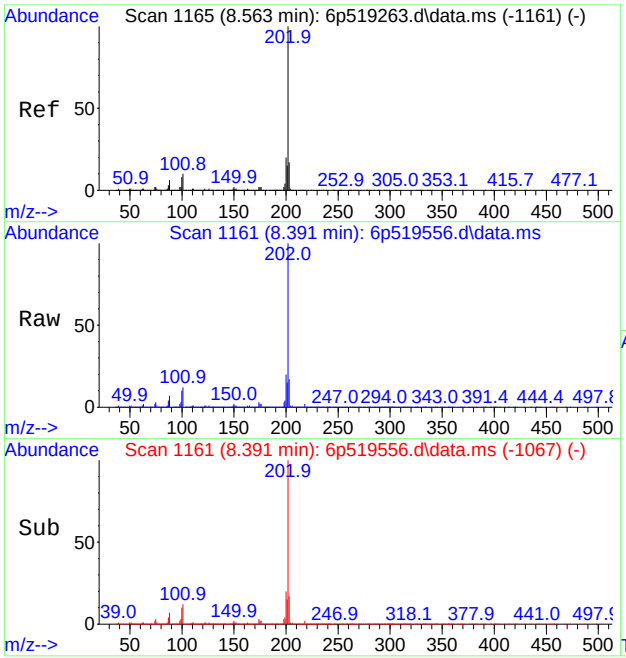


#79
Anthracene
Concen: 8.2029 ppm
RT: 7.375 min Scan# 971
Delta R.T. -0.000 min
Lab File: 6p519556.d
Acq: 17 Dec 2024 5:37 pm

Tgt Ion:178 Resp: 119568

Ion	Ratio	Lower	Upper
178	100		
179	13.4	0.0	46.0
176	17.1	0.0	48.2

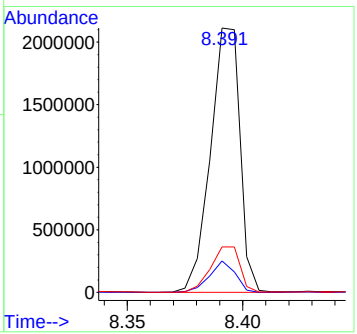


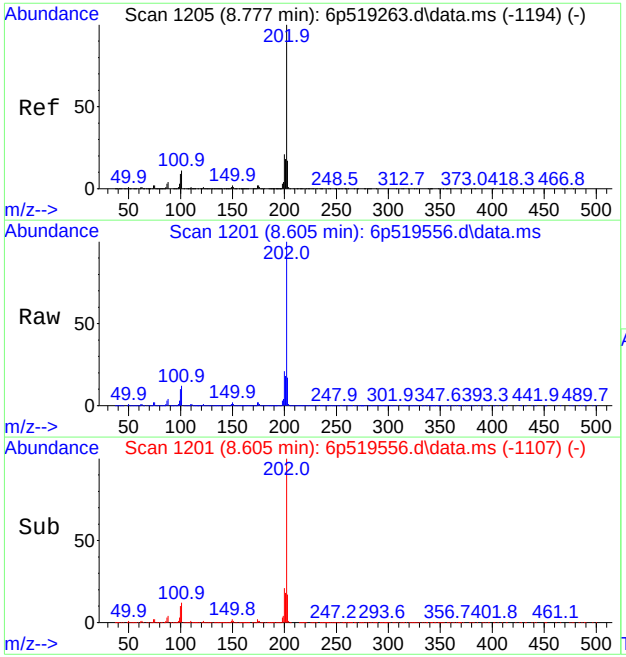


#82
Fluoranthene
Concen: 118.3742 ppm
RT: 8.391 min Scan# 1161
Delta R.T. 0.005 min
Lab File: 6p519556.d
Acq: 17 Dec 2024 5:37 pm

Tgt Ion:202 Resp: 1883257

Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	40.4
203	17.1	0.0	46.8

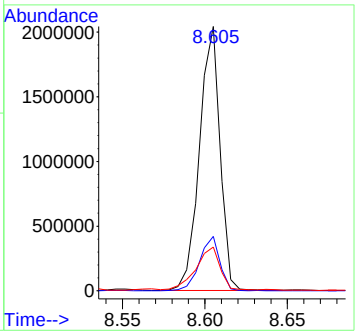


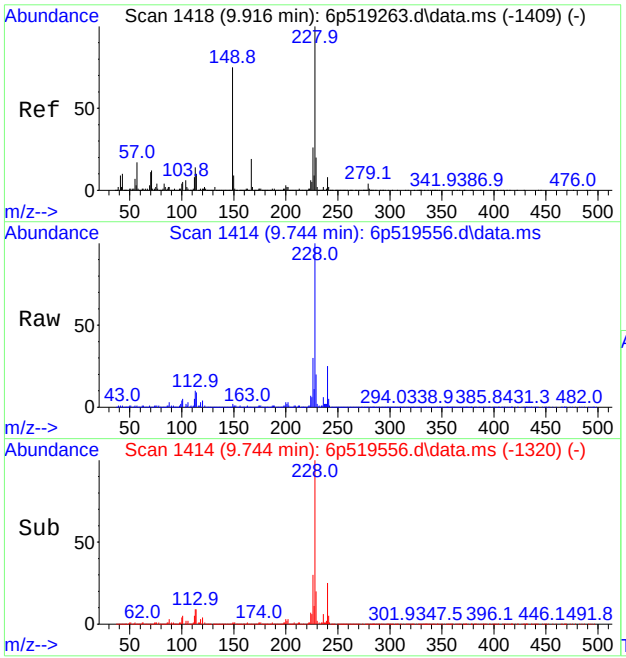


#86
Pyrene
Concen: 90.9719 ppm
RT: 8.605 min Scan# 1201
Delta R.T. 0.005 min
Lab File: 6p519556.d
Acq: 17 Dec 2024 5:37 pm

Tgt Ion:202 Resp: 1775569

Ion	Ratio	Lower	Upper
202	100		
200	20.6	0.0	50.1
203	16.3	0.0	46.8

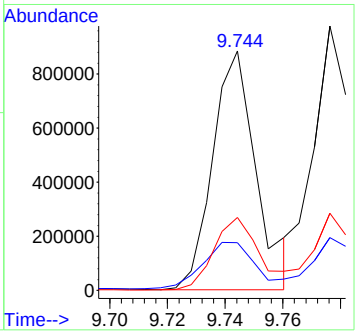


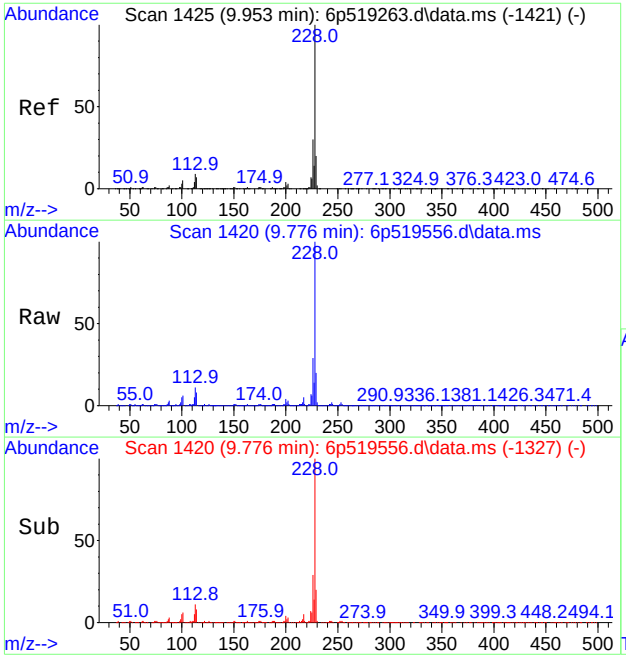


#89
Benzo[a]anthracene
Concen: 48.0636 ppm
RT: 9.744 min Scan# 1414
Delta R.T. 0.005 min
Lab File: 6p519556.d
Acq: 17 Dec 2024 5:37 pm

Tgt Ion:228 Resp: 929629

Ion	Ratio	Lower	Upper
228	100		
229	19.1	0.0	49.1
226	29.7	0.0	55.8

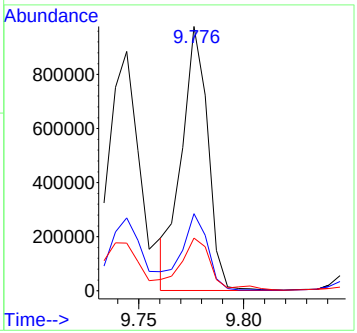


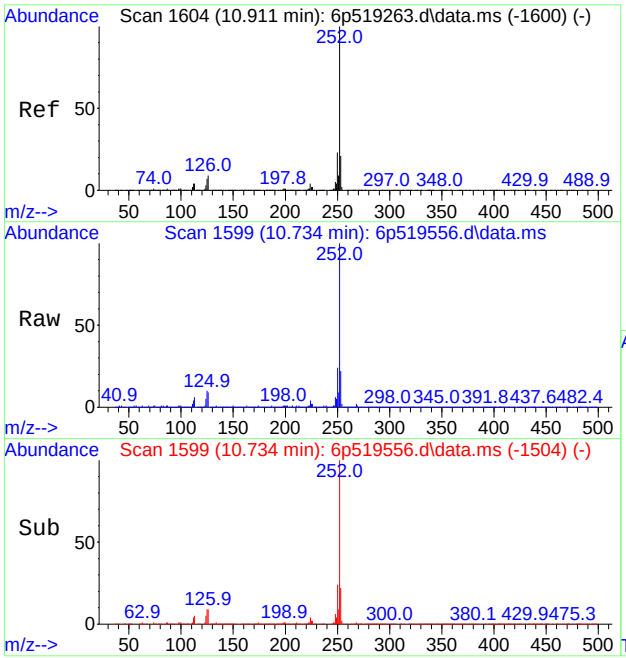


#91
Chrysene
Concen: 46.3484 ppm
RT: 9.776 min Scan# 1420
Delta R.T. -0.000 min
Lab File: 6p519556.d
Acq: 17 Dec 2024 5:37 pm

Tgt Ion:228 Resp: 852414

Ion	Ratio	Lower	Upper
228	100		
226	28.3	0.0	58.8
229	19.7	0.0	49.2

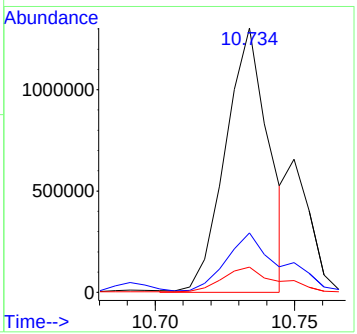


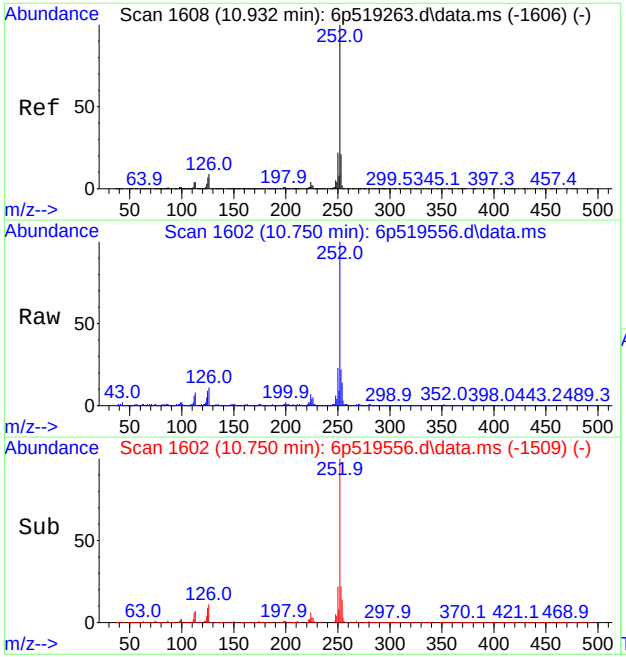


#95
Benzo[b]fluoranthene
Concen: 63.6620 ppm m
RT: 10.734 min Scan# 1599
Delta R.T. 0.010 min
Lab File: 6p519556.d
Acq: 17 Dec 2024 5:37 pm

Tgt Ion:252 Resp: 1405032

Ion	Ratio	Lower	Upper
252	100		
253	22.5	0.0	51.7
125	9.6	0.0	39.7

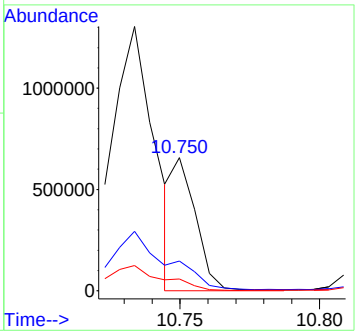


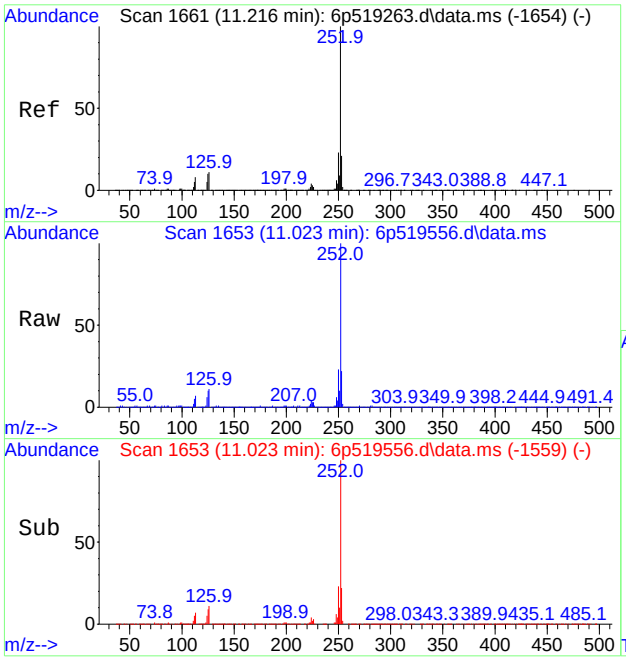


#96
Benzo[k]fluoranthene
Concen: 18.9162 ppm m
RT: 10.750 min Scan# 1602
Delta R.T. -0.000 min
Lab File: 6p519556.d
Acq: 17 Dec 2024 5:37 pm

Tgt Ion:252 Resp: 376364

Ion	Ratio	Lower	Upper
252	100		
253	22.3	0.0	51.4
125	8.8	0.0	37.8

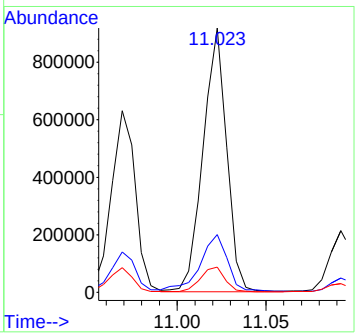


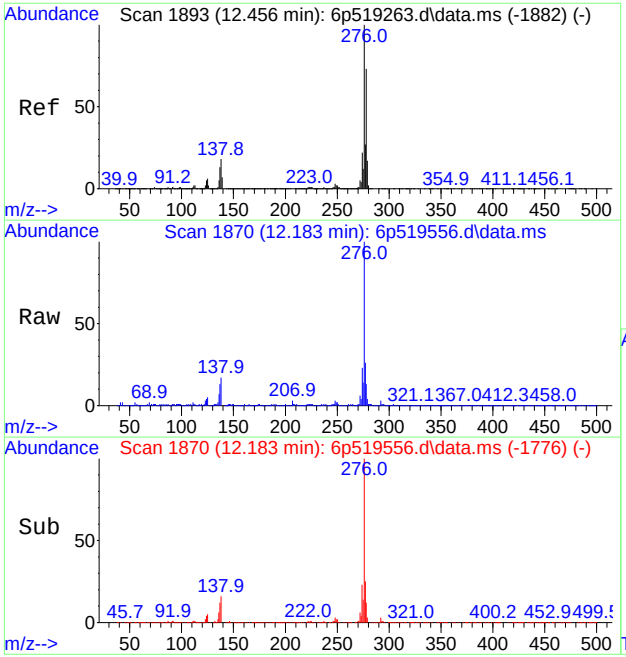


#97
Benzo[a]pyrene
Concen: 48.1111 ppm
RT: 11.023 min Scan# 1653
Delta R.T. 0.005 min
Lab File: 6p519556.d
Acq: 17 Dec 2024 5:37 pm

Tgt Ion:252 Resp: 845912

Ion	Ratio	Lower	Upper
252	100		
253	21.2	0.0	51.0
125	9.3	0.0	37.9

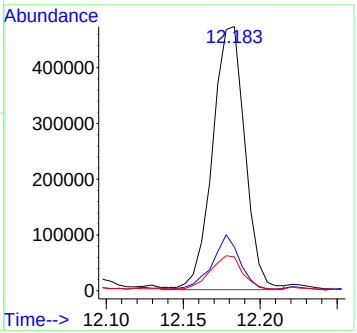


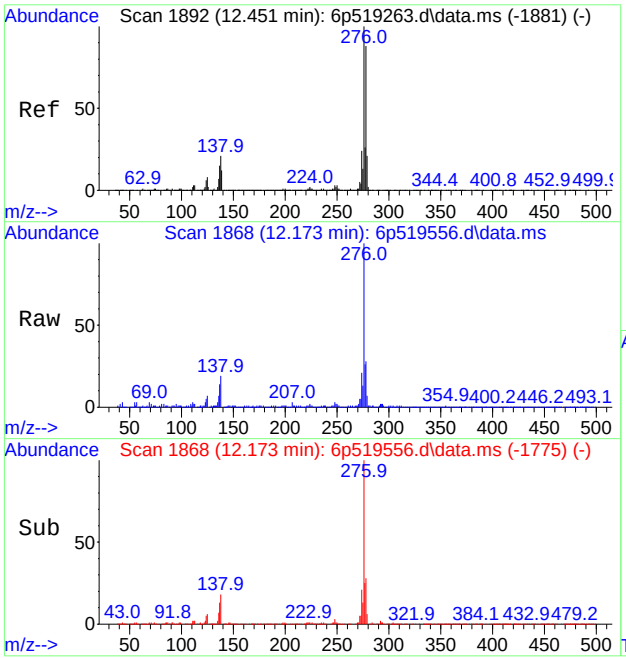


#98
Indeno[1,2,3-cd]pyrene
Concen: 28.5156 ppm
RT: 12.183 min Scan# 1870
Delta R.T. 0.005 min
Lab File: 6p519556.d
Acq: 17 Dec 2024 5:37 pm

Tgt Ion:276 Resp: 692508

Ion	Ratio	Lower	Upper
276	100		
138	15.8	0.0	49.9
137	12.2	0.0	44.3

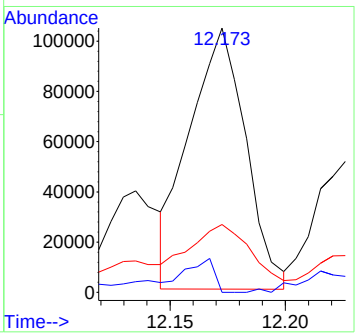


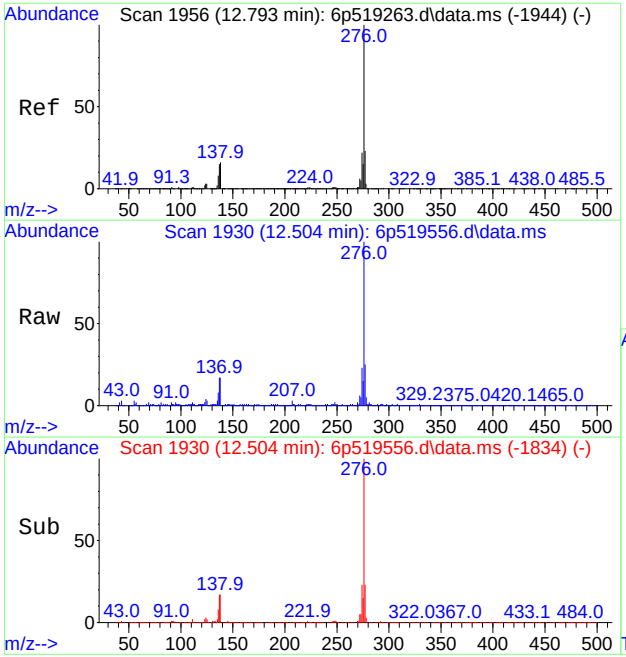


#100
Dibenz[a,h]anthracene
Concen: 8.9202 ppm
RT: 12.173 min Scan# 1868
Delta R.T. -0.000 min
Lab File: 6p519556.d
Acq: 17 Dec 2024 5:37 pm

Tgt Ion:278 Resp: 177397

Ion	Ratio	Lower	Upper
278	100		
139	0.0	0.0	42.8
279	22.5	0.0	53.3

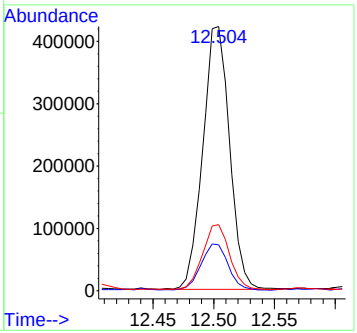




#102
Benzo[g,h,i]perylene
Concen: 34.6634 ppm
RT: 12.504 min Scan# 1930
Delta R.T. 0.016 min
Lab File: 6p519556.d
Acq: 17 Dec 2024 5:37 pm

Tgt Ion:276 Resp: 645791

Ion	Ratio	Lower	Upper
276	100		
138	16.9	0.0	47.9
277	24.6	0.0	53.6



Manual Integrations APPROVED (compounds with "m" flag)
Jacky Takeuchi 12/09/24 22:18

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\recheleb\E4P3703\
Data File : 4p694163.d
Acq On : 6 Dec 2024 8:38 pm
Operator : kaleigh
Sample : je1542-10 Inst : GCMS4P
Misc : op59876,e4p3703,30.01,,,1,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 08 10:45:17 2024
Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Sun Dec 08 08:17:46 2024
Response via : Initial Calibration

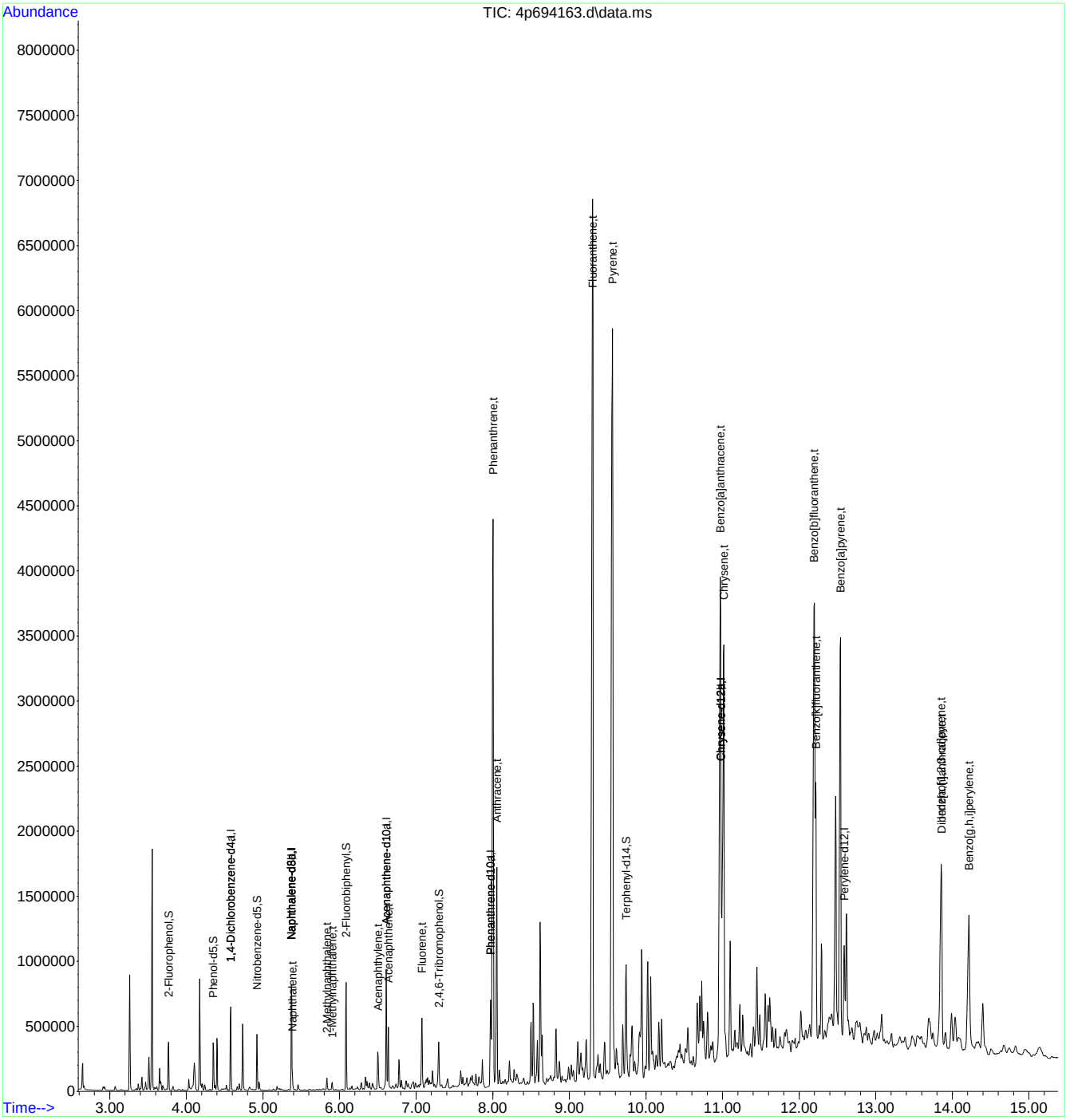
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.580	152	75932	40.00	ppm	0.00
24) Naphthalene-d8	5.371	136	279399	40.00	ppm	0.00
46) Acenaphthene-d10	6.610	164	154045	40.00	ppm	0.00
69) Phenanthrene-d10	7.972	188	265378	40.00	ppm	0.00
84) Chrysene-d12	10.980	240	305295	40.00	ppm	0.03
93) Perylene-d12	12.588	264	283686	40.00	ppm	0.03
103) 1,4-Dichlorobenzene-d4a	4.580	152	75932	40.00	ppm	0.00
105) Acenaphthene-d10a	6.610	164	154045	40.00	ppm	0.00
107) Chrysene-d12a	10.980	240	305295	40.00	ppm	0.03
109) Phenanthrene-d10a	7.972	188	265378	40.00	ppm	0.00
111) Naphthalene-d8a	5.371	136	279399	40.00	ppm	0.00
113) Chrysene-d12b	10.980	240	305295	40.00	ppm	0.03
115) Naphthalene-d8b	5.371	136	279399	40.00	ppm	0.00
118) Naphthalene-d8c	5.371	136	279399	40.00	ppm	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.768	112	78675	37.70	ppm	0.01
Spiked Amount 50.000			Recovery =	75.40%		
8) Phenol-d5	4.350	99	96217	35.04	ppm	0.00
Spiked Amount 50.000			Recovery =	70.08%		
25) Nitrobenzene-d5	4.922	82	89569	36.19	ppm	0.00
Spiked Amount 50.000			Recovery =	72.38%		
51) 2-Fluorobiphenyl	6.087	172	193243	36.84	ppm	0.00
Spiked Amount 50.000			Recovery =	73.68%		
74) 2,4,6-Tribromophenol	7.299	330	23096	34.54	ppm	0.00
Spiked Amount 50.000			Recovery =	69.08%		
87) Terphenyl-d14	9.741	244	253645	33.40	ppm	0.01
Spiked Amount 50.000			Recovery =	66.80%		
108) 1-chlorooctadecane	0.000	57	0d	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
110) o-terphenyl	0.000	230	0d	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
38) Naphthalene	5.387	128	23094	3.1612	ppm	96
44) 2-Methylnaphthalene	5.836	141	12378	2.7978	ppm	99
45) 1-Methylnaphthalene	5.905	142	14213	3.0284	ppm	94
56) Acenaphthylene	6.503	152	121936	19.4173	ppm	99
59) Acenaphthene	6.637	153	92137	19.2008	ppm	95
66) Fluorene	7.075	166	130816m	25.1684	ppm	
78) Phenanthrene	8.004	178	1709436	230.1370	ppm	97
79) Anthracene	8.053	178	598390	81.9502	ppm	100
82) Fluoranthene	9.303	202	3582260	444.7107	ppm	99
86) Pyrene	9.564	202	3328660	309.8789	ppm	98
89) Benzo[a]anthracene	10.969	228	1756879	176.9941	ppm	98
91) Chrysene	11.018	228	1486807	155.3595	ppm	97
95) Benzo[b]fluoranthene	12.193	252	2015631m	229.5388	ppm	
96) Benzo[k]fluoranthene	12.220	252	581059m	69.7866	ppm	
97) Benzo[a]pyrene	12.540	252	1385881	186.6788	ppm	97
98) Indeno[1,2,3-cd]pyrene	13.854	276	791346	80.0534	ppm	99
100) Dibenz[a,h]anthracene	13.860	278	201293	25.1088	ppm	94
102) Benzo[g,h,i]perylene	14.217	276	729807	97.5108	ppm	98

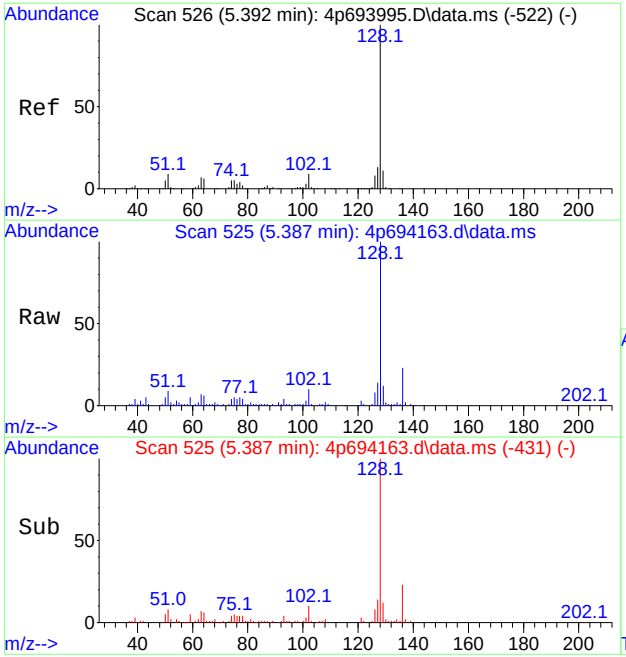
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\recheleb\E4P3703\
Data File : 4p694163.d
Acq On : 6 Dec 2024 8:38 pm
Operator : kaleigh
Sample : je1542-10 Inst : GCMS4P
Misc : op59876,e4p3703,30.01,,,1,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 08 10:45:17 2024
Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Sun Dec 08 08:17:46 2024
Response via : Initial Calibration

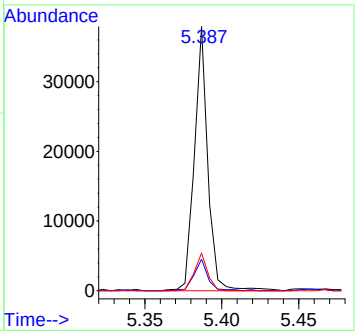


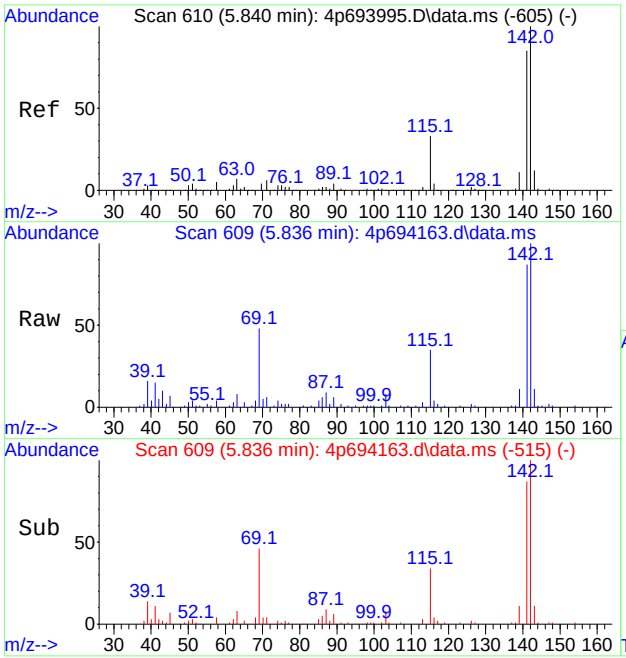


#38
Naphthalene
Concen: 3.1612 ppm
RT: 5.387 min Scan# 525
Delta R.T. 0.000 min
Lab File: 4p694163.d
Acq: 6 Dec 2024 8:38 pm

Tgt Ion:128 Resp: 23094

Ion	Ratio	Lower	Upper
128	100		
129	12.0	0.0	40.8
127	14.3	0.0	42.7

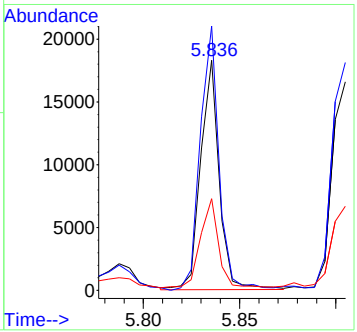


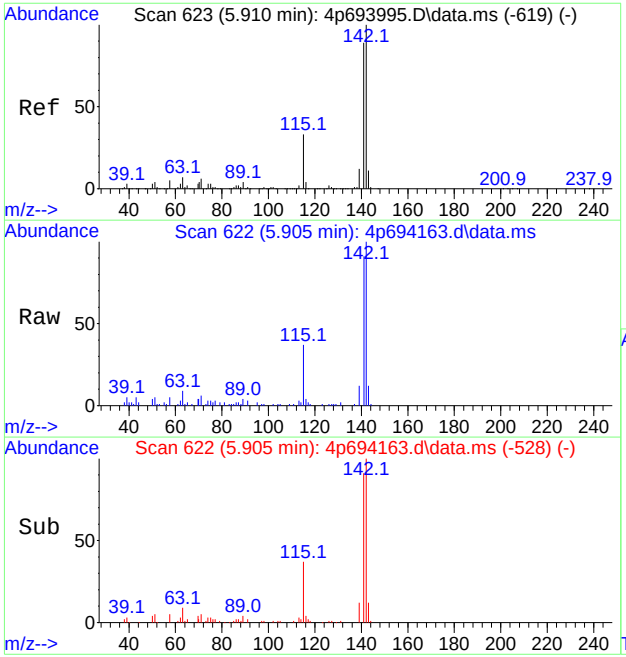


#44
2-Methylnaphthalene
Concen: 2.7978 ppm
RT: 5.836 min Scan# 609
Delta R.T. 0.000 min
Lab File: 4p694163.d
Acq: 6 Dec 2024 8:38 pm

Tgt Ion:141 Resp: 12378

Ion	Ratio	Lower	Upper
141	100		
142	114.7	84.2	144.2
115	38.8	7.8	67.8

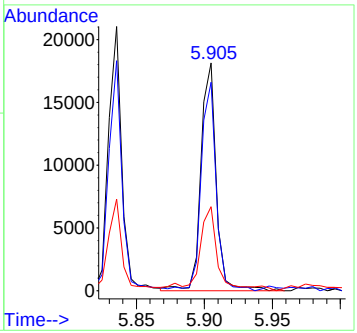


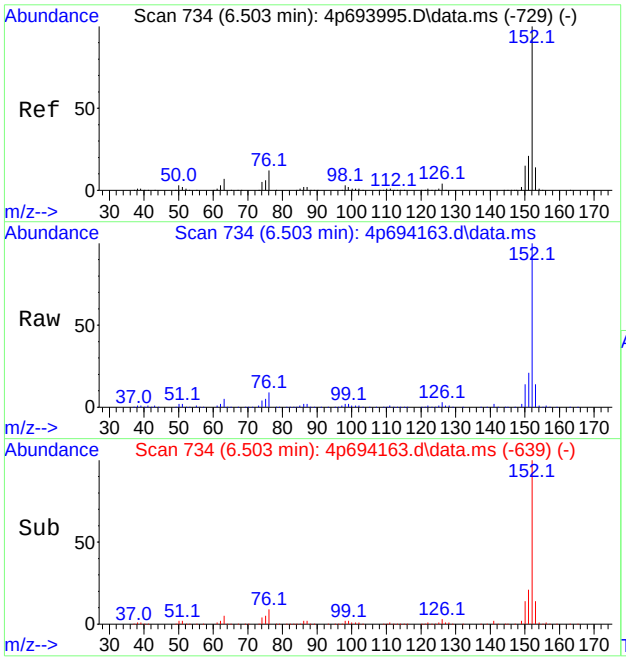


#45
1-Methylnaphthalene
Concen: 3.0284 ppm
RT: 5.905 min Scan# 622
Delta R.T. 0.000 min
Lab File: 4p694163.d
Acq: 6 Dec 2024 8:38 pm

Tgt Ion:142 Resp: 14213

Ion	Ratio	Lower	Upper
142	100		
141	90.7	55.0	115.0
115	35.9	3.5	63.5

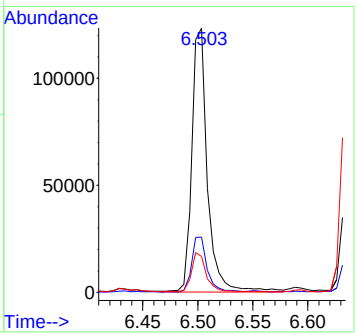


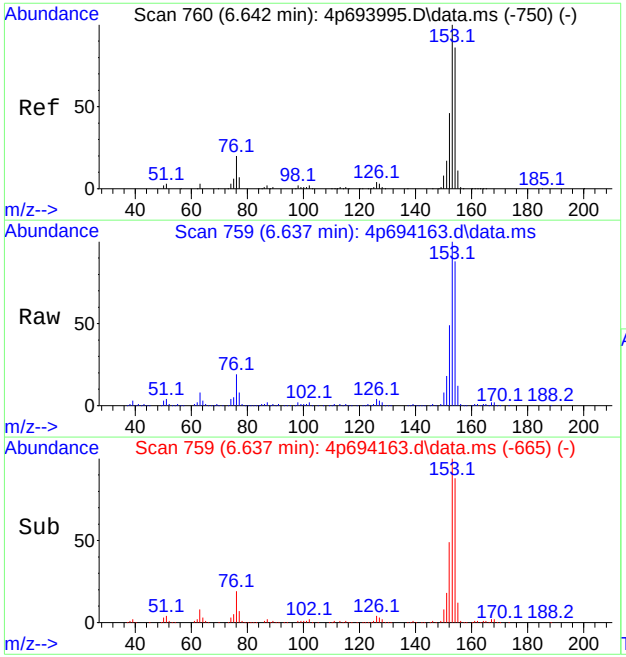


#56
Acenaphthylene
Concen: 19.4173 ppm
RT: 6.503 min Scan# 734
Delta R.T. 0.006 min
Lab File: 4p694163.d
Acq: 6 Dec 2024 8:38 pm

Tgt Ion:152 Resp: 121936

Ion	Ratio	Lower	Upper
152	100		
151	20.8	0.0	51.0
153	13.5	0.0	44.1

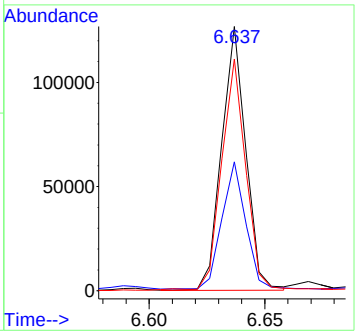


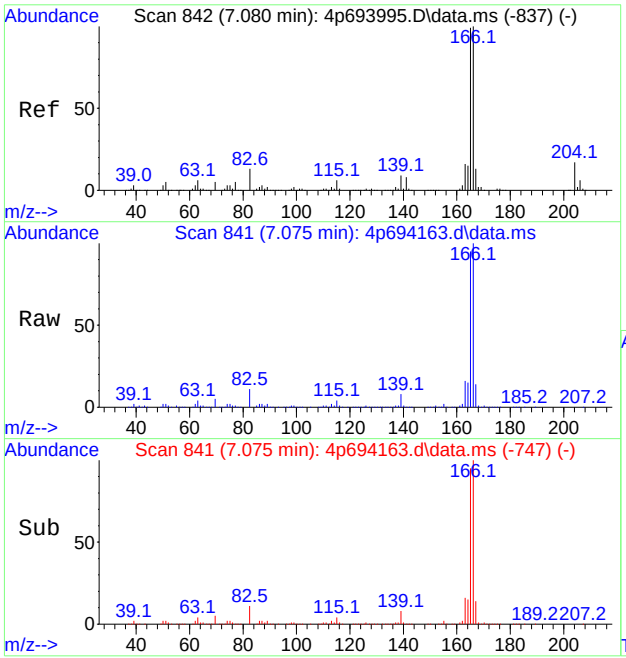


#59
Acenaphthene
Concen: 19.2008 ppm
RT: 6.637 min Scan# 759
Delta R.T. 0.000 min
Lab File: 4p694163.d
Acq: 6 Dec 2024 8:38 pm

Tgt Ion:153 Resp: 92137

Ion	Ratio	Lower	Upper
153	100		
152	48.3	17.0	77.0
154	87.6	51.7	111.7

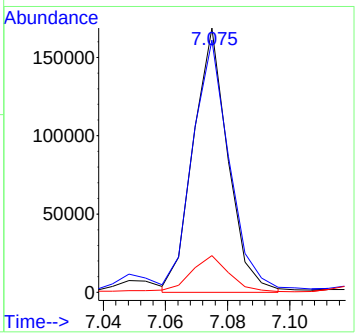


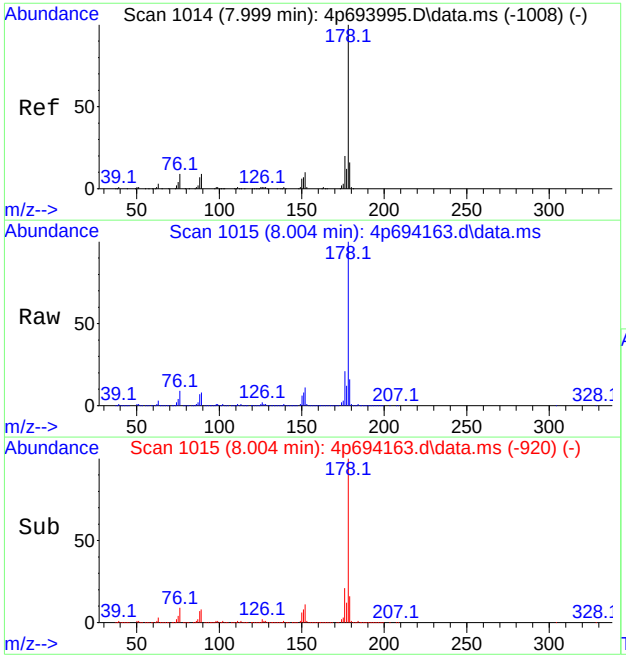


#66
Fluorene
Concen: 25.1684 ppm m
RT: 7.075 min Scan# 841
Delta R.T. 0.000 min
Lab File: 4p694163.d
Acq: 6 Dec 2024 8:38 pm

Tgt Ion:166 Resp: 130816

Ion	Ratio	Lower	Upper
166	100		
165	95.4	70.1	130.1
167	13.9	0.0	43.7

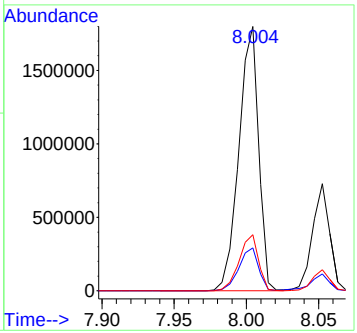


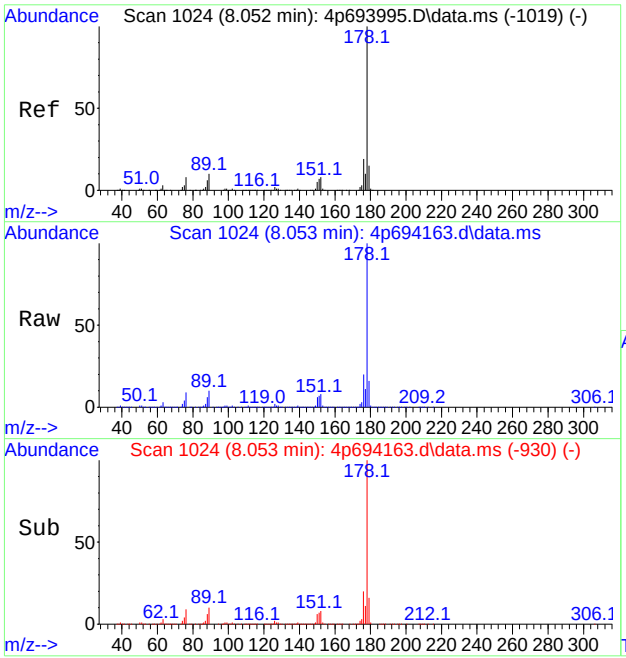


#78
Phenanthrene
Concen: 230.1370 ppm
RT: 8.004 min Scan# 1015
Delta R.T. 0.006 min
Lab File: 4p694163.d
Acq: 6 Dec 2024 8:38 pm

Tgt Ion:178 Resp: 1709436

Ion	Ratio	Lower	Upper
178	100		
179	16.1	0.0	45.1
176	21.2	0.0	49.7

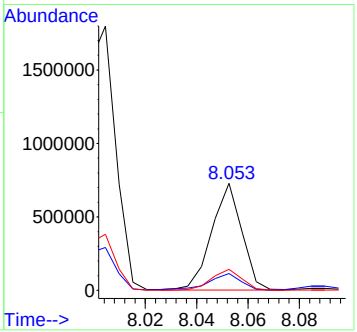


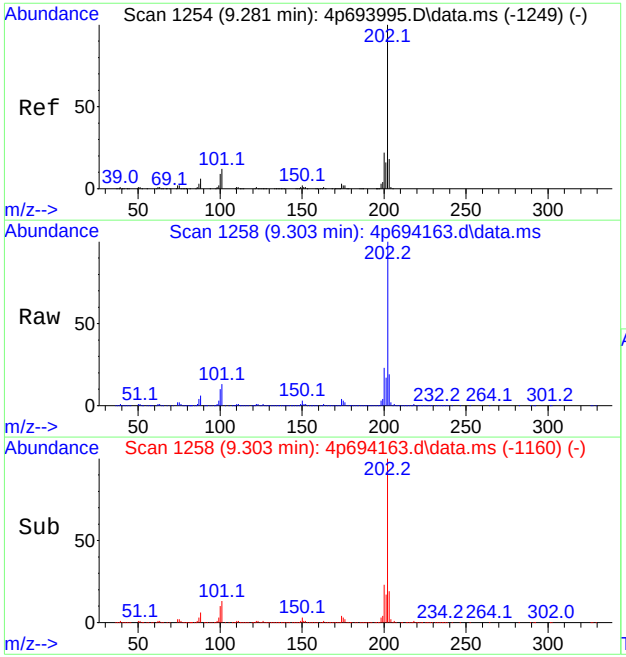


#79
Anthracene
Concen: 81.9502 ppm
RT: 8.053 min Scan# 1024
Delta R.T. 0.000 min
Lab File: 4p694163.d
Acq: 6 Dec 2024 8:38 pm

Tgt Ion:178 Resp: 598390

Ion	Ratio	Lower	Upper
178	100		
179	15.2	0.0	45.3
176	19.6	0.0	49.3

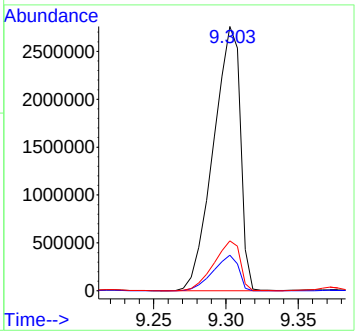


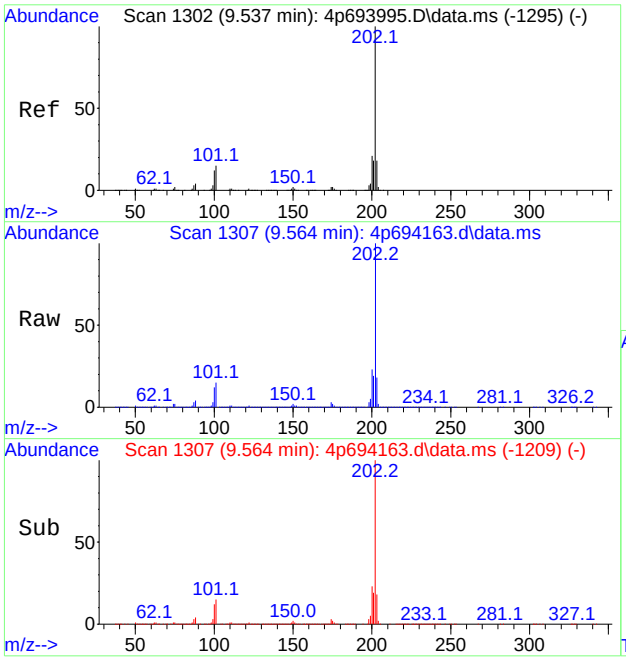


#82
Fluoranthene
Concen: 444.7107 ppm
RT: 9.303 min Scan# 1258
Delta R.T. 0.022 min
Lab File: 4p694163.d
Acq: 6 Dec 2024 8:38 pm

Tgt Ion:202 Resp: 3582260

Ion	Ratio	Lower	Upper
202	100		
101	13.4	0.0	43.3
203	18.8	0.0	48.2

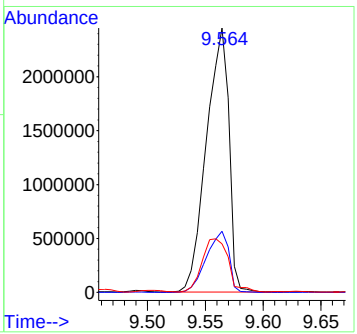


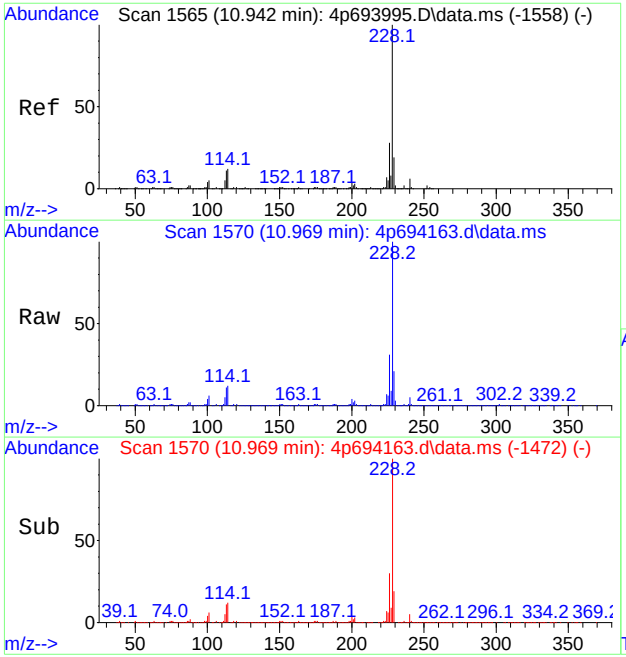


#86
Pyrene
Concen: 309.8789 ppm
RT: 9.564 min Scan# 1307
Delta R.T. 0.022 min
Lab File: 4p694163.d
Acq: 6 Dec 2024 8:38 pm

Tgt Ion:202 Resp: 3328660

Ion	Ratio	Lower	Upper
202	100		
200	23.1	0.0	52.1
203	18.0	0.0	47.5

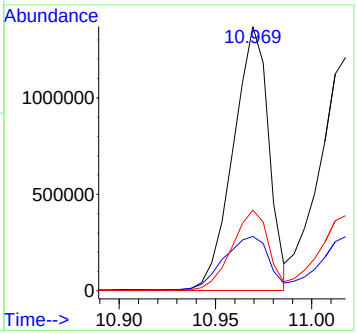


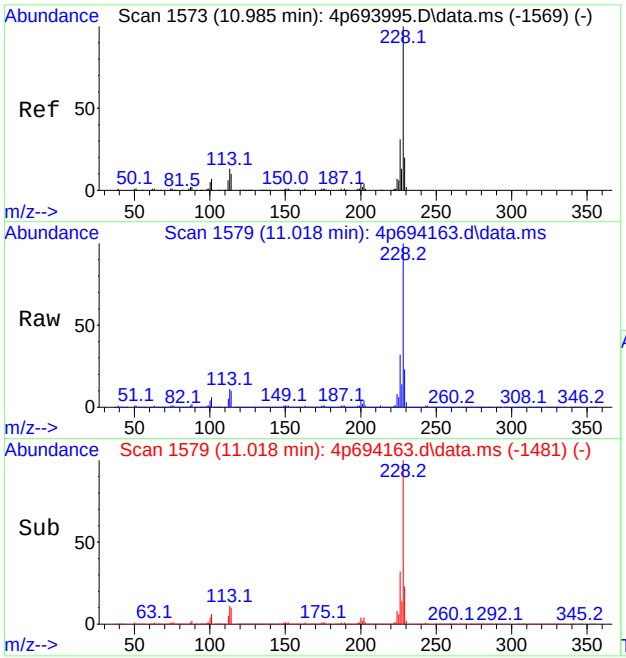


#89
Benzo[a]anthracene
Concen: 176.9941 ppm
RT: 10.969 min Scan# 1570
Delta R.T. 0.022 min
Lab File: 4p694163.d
Acq: 6 Dec 2024 8:38 pm

Tgt Ion:228 Resp: 1756879

Ion	Ratio	Lower	Upper
228	100		
229	20.0	0.0	49.7
226	30.3	0.0	58.6

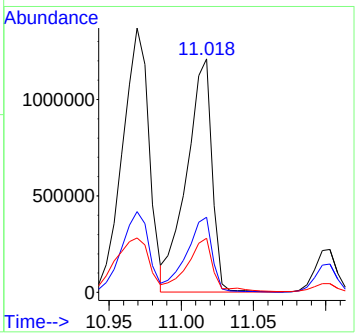


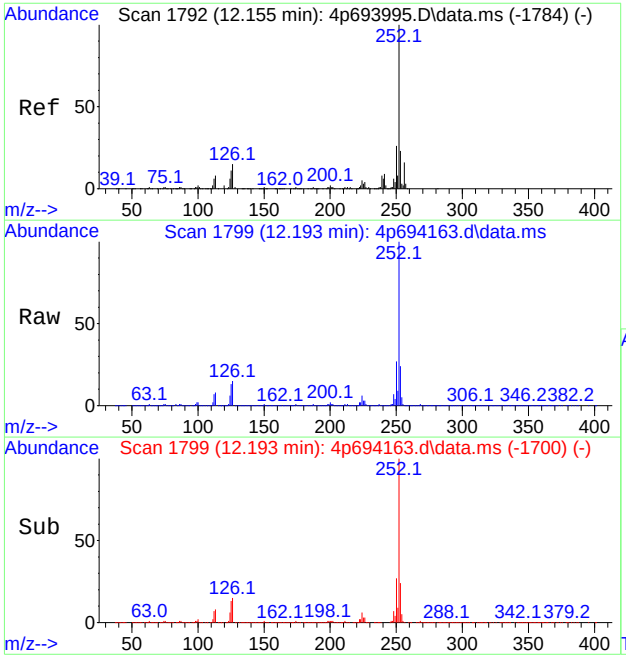


#91
Chrysene
Concen: 155.3595 ppm
RT: 11.018 min Scan# 1579
Delta R.T. 0.022 min
Lab File: 4p694163.d
Acq: 6 Dec 2024 8:38 pm

Tgt Ion:228 Resp: 1486807

Ion	Ratio	Lower	Upper
228	100		
226	32.1	1.6	61.6
229	22.7	0.0	50.0

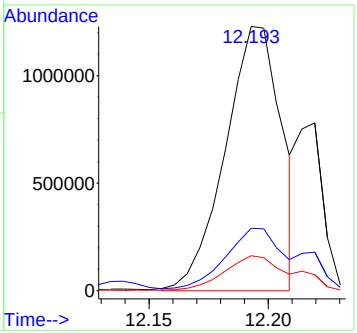


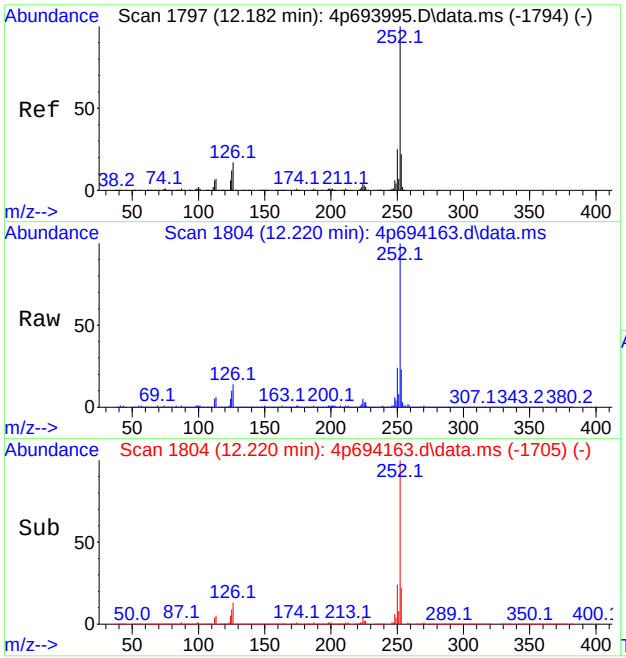


#95
Benzo[b]fluoranthene
Concen: 229.5388 ppm m
RT: 12.193 min Scan# 1799
Delta R.T. 0.027 min
Lab File: 4p694163.d
Acq: 6 Dec 2024 8:38 pm

Tgt Ion:252 Resp: 2015631

Ion	Ratio	Lower	Upper
252	100		
253	23.7	0.0	52.2
125	13.2	0.0	41.9

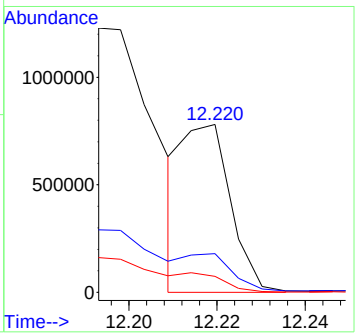


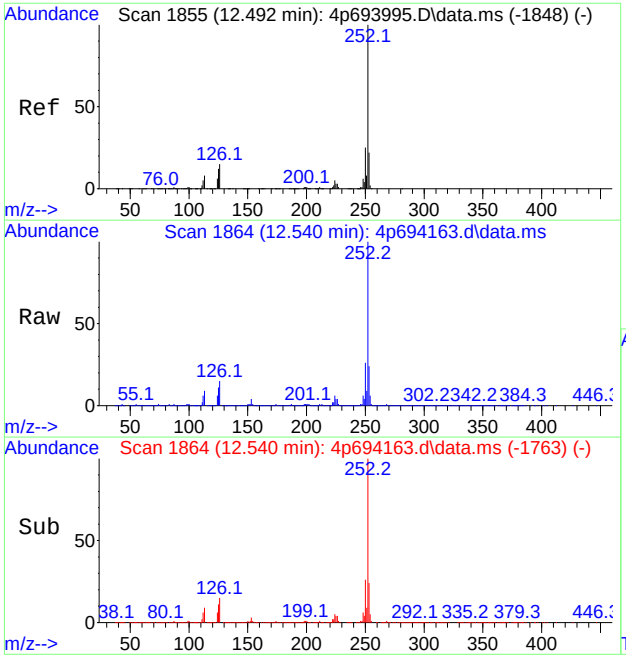


#96
Benzo[k]fluoranthene
Concen: 69.7866 ppm m
RT: 12.220 min Scan# 1804
Delta R.T. 0.027 min
Lab File: 4p694163.d
Acq: 6 Dec 2024 8:38 pm

Tgt Ion:252 Resp: 581059

Ion	Ratio	Lower	Upper
252	100		
253	23.0	0.0	51.9
125	9.5	0.0	41.8

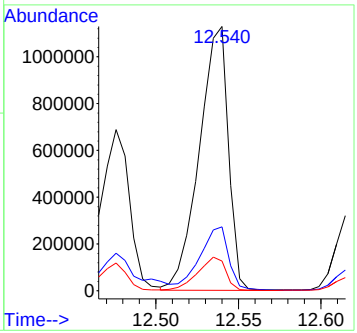


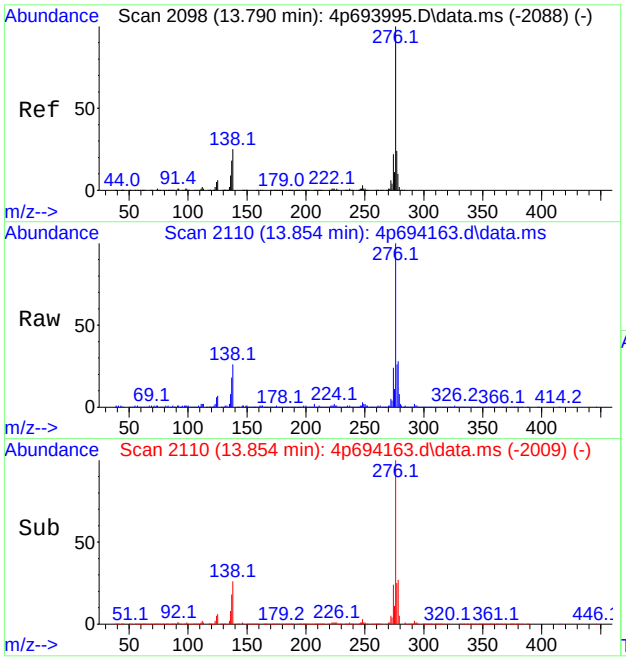


#97
Benzo[a]pyrene
Concen: 186.6788 ppm
RT: 12.540 min Scan# 1864
Delta R.T. 0.038 min
Lab File: 4p694163.d
Acq: 6 Dec 2024 8:38 pm

Tgt Ion:252 Resp: 1385881

Ion	Ratio	Lower	Upper
252	100		
253	22.4	0.0	52.0
125	11.1	0.0	43.3

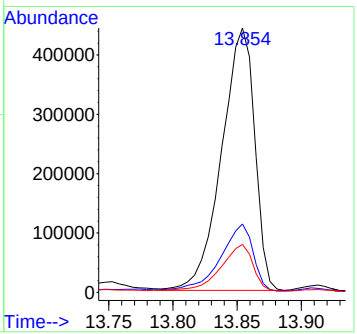


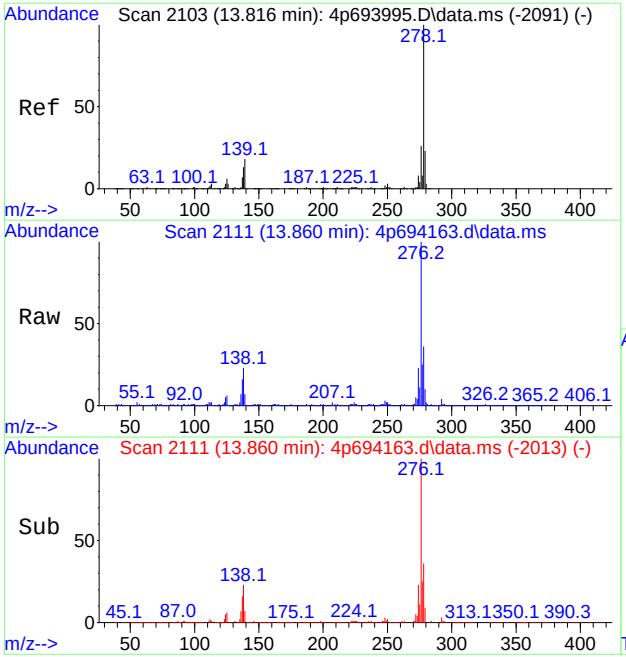


#98
Indeno[1,2,3-cd]pyrene
Concen: 80.0534 ppm
RT: 13.854 min Scan# 2110
Delta R.T. 0.038 min
Lab File: 4p694163.d
Acq: 6 Dec 2024 8:38 pm

Tgt Ion:276 Resp: 791346

Ion	Ratio	Lower	Upper
276	100		
138	25.3	0.0	55.0
137	17.8	0.0	47.6

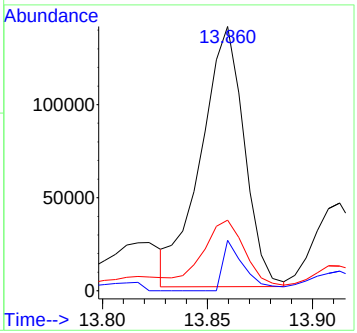


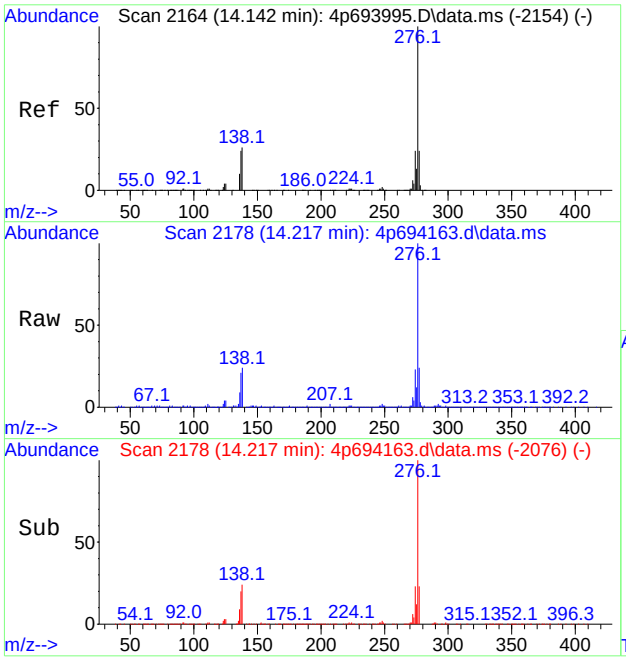


#100
Dibenz[a,h]anthracene
Concen: 25.1088 ppm
RT: 13.860 min Scan# 2111
Delta R.T. 0.022 min
Lab File: 4p694163.d
Acq: 6 Dec 2024 8:38 pm

Tgt Ion:278 Resp: 201293

Ion	Ratio	Lower	Upper
278	100		
139	20.3	0.0	48.0
279	25.5	0.0	52.2

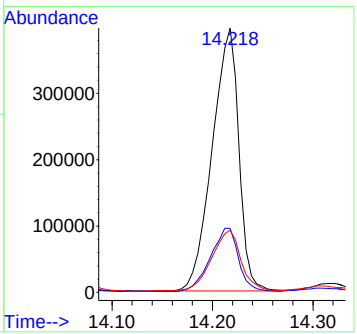




#102
Benzo[g,h,i]perylene
Concen: 97.5108 ppm
RT: 14.217 min Scan# 2178
Delta R.T. 0.043 min
Lab File: 4p694163.d
Acq: 6 Dec 2024 8:38 pm

Tgt Ion:276 Resp: 729807

Ion	Ratio	Lower	Upper
276	100		
138	23.9	0.0	55.7
277	23.0	0.0	53.4



Manual Integrations APPROVED (compounds with "m" flag)
Jacky Takeuchi 12/09/24 22:18

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-09\ECT471\
Data File : ct10203.D
Acq On : 09 Dec 2024 01:26 pm
Operator : kaleigh
Sample : je1542-10 Inst : GCMS_CT
Misc : op59876,ect471,30.01,,,1,5
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 09 19:06:42 2024
Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\mct443.m
Quant Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuWed Aug 10 17:05:37 2022
QLast Update : Mon Dec 09 16:31:56 2024
Response via : Initial Calibration

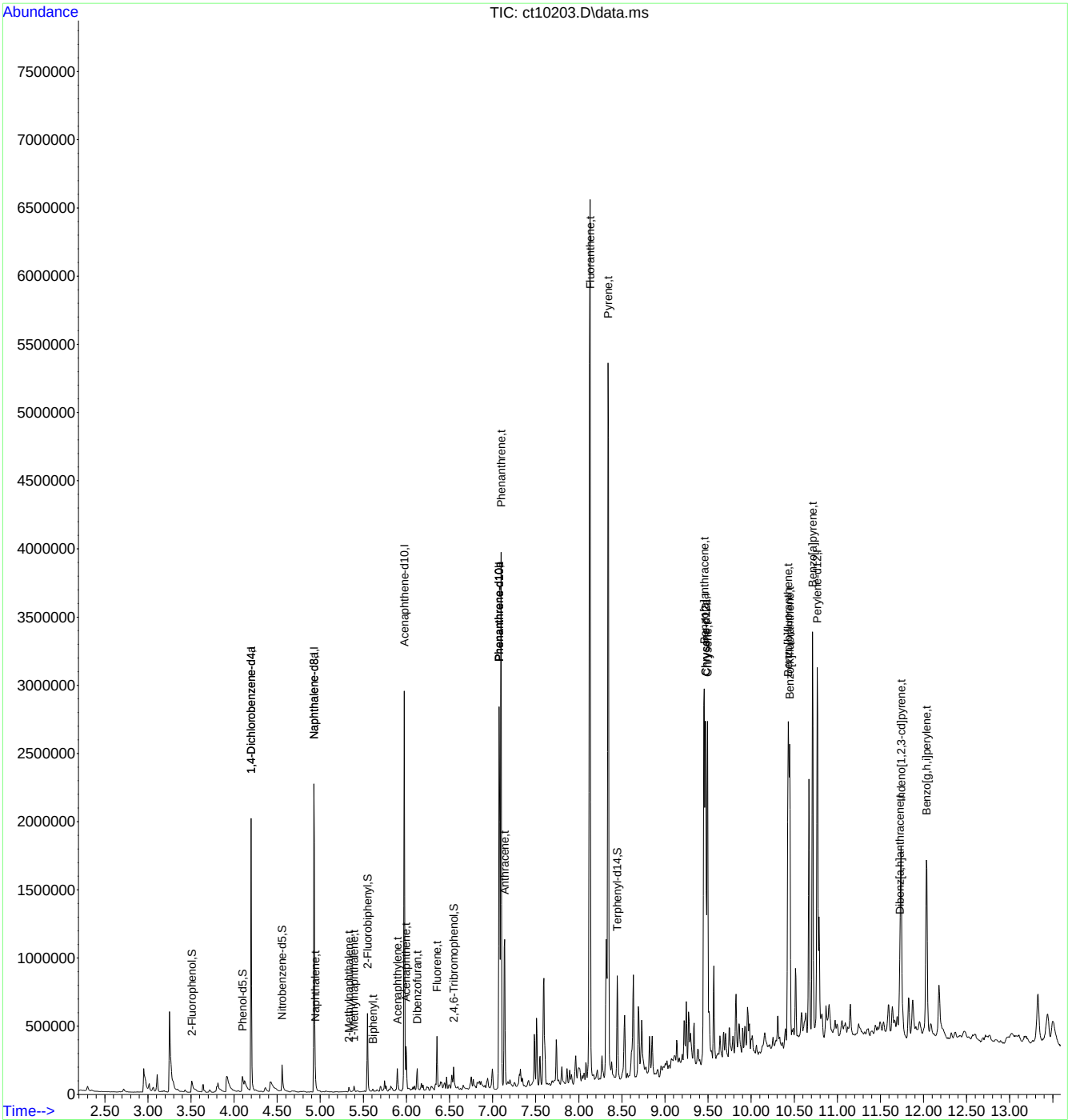
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.198	152	210132	40.00	ppm	0.00
24) Naphthalene-d8	4.926	136	825959	40.00	ppm	0.00
46) Acenaphthene-d10	5.974	164	454981	40.00	ppm	0.00
69) Phenanthrene-d10	7.076	188	783435	40.00	ppm	-0.01
84) Chrysene-d12	9.472	240	723965	40.00	ppm	0.00
93) Perylene-d12	10.767	264	836158	40.00	ppm	-0.01
103) 1,4-Dichlorobenzene-d4a	4.198	152	210132	40.00	ppm	0.00
105) Phenanthrene-d10a	7.076	188	783435	40.00	ppm	-0.01
107) Naphthalene-d8a	4.926	136	825959	40.00	ppm	0.00
109) Phenanthrene-d10b	7.076	188	783435	40.00	ppm	-0.01
112) Chrysene-d12a	9.472	240	723965	40.00	ppm	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.508	112	46188	6.90	ppm	0.02
Spiked Amount 50.000			Recovery =	13.80%		
8) Phenol-d5	4.097	99	59410	6.84	ppm	0.02
Spiked Amount 50.000			Recovery =	13.68%		
25) Nitrobenzene-d5	4.557	82	58204	7.38	ppm	0.00
Spiked Amount 50.000			Recovery =	14.76%		
51) 2-Fluorobiphenyl	5.546	172	128371	8.84	ppm	0.00
Spiked Amount 50.000			Recovery =	17.68%		
74) 2,4,6-Tribromophenol	6.546	330	14714	8.05	ppm	0.00
Spiked Amount 50.000			Recovery =	16.10%		
87) Terphenyl-d14	8.445	244	141383	7.51	ppm	-0.01
Spiked Amount 50.000			Recovery =	15.02%		
110) 1-chlorooctadecane	0.000	57	0d	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
111) o-terphenyl	0.000	230	0	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
38) Naphthalene	4.942	128	15875	0.7401	ppm	96
44) 2-Methylnaphthalene	5.332	141	7723	0.5861	ppm	93
45) 1-Methylnaphthalene	5.391	141	8458	0.6625	ppm	95
53) Biphenyl	5.610	154	4545	0.2684	ppm	91
56) Acenaphthylene	5.894	152	67917	4.1537	ppm	99
59) Acenaphthene	5.996	153	65829	4.7048	ppm	93
62) Dibenzofuran	6.124	168	42704	2.2580	ppm	95
66) Fluorene	6.354	166	92139	6.0286	ppm	99
78) Phenanthrene	7.097	178	1148458	54.5043	ppm	99
79) Anthracene	7.140	178	388778	19.2545	ppm	99
82) Fluoranthene	8.130	202	2195049	98.6879	ppm	99
86) Pyrene	8.338	202	1922571	73.1517	ppm	100
89) Benzo[a]anthracene	9.456	228	933220	37.8527	ppm	94
91) Chrysene	9.494	228	812121	34.3054	ppm	99
95) Benzo[b]fluoranthene	10.430	252	997903m	38.3994	ppm	
96) Benzo[k]fluoranthene	10.446	252	549965m	24.3247	ppm	
97) Benzo[a]pyrene	10.713	252	904913	42.2332	ppm	95
98) Indeno[1,2,3-cd]pyrene	11.740	276	613011	21.7801	ppm	97
100) Dibenz[a,h]anthracene	11.724	278	138815	6.1302	ppm	98
102) Benzo[g,h,i]perylene	12.034	276	568195	25.2846	ppm	95

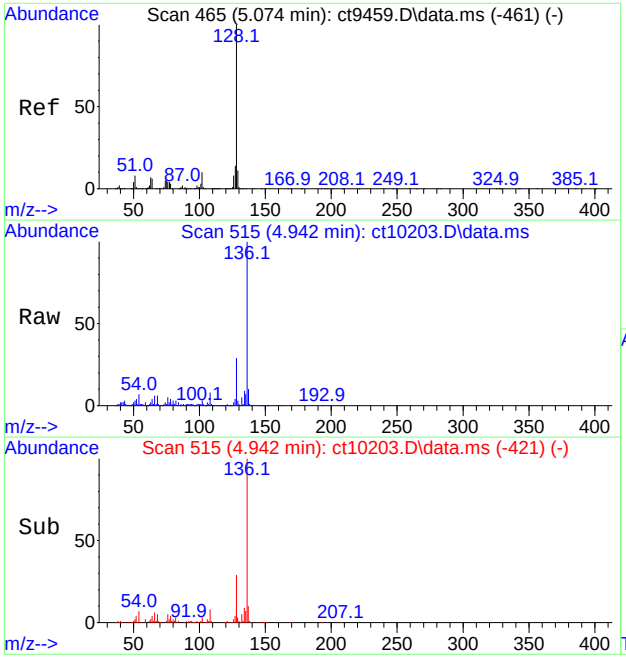
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-09\ECT471\
Data File : ct10203.D
Acq On : 09 Dec 2024 01:26 pm
Operator : kaleigh
Sample : je1542-10 Inst : GCMS_CT
Misc : op59876,ect471,30.01,,,1,5
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 09 19:06:42 2024
Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\mct443.m
Quant Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuWed Aug 10 17:05:37 2022
QLast Update : Mon Dec 09 16:31:56 2024
Response via : Initial Calibration

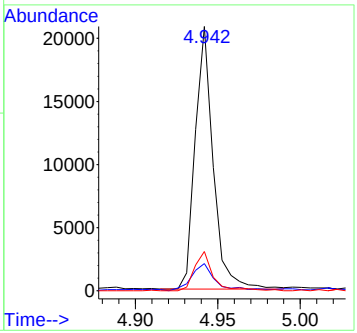


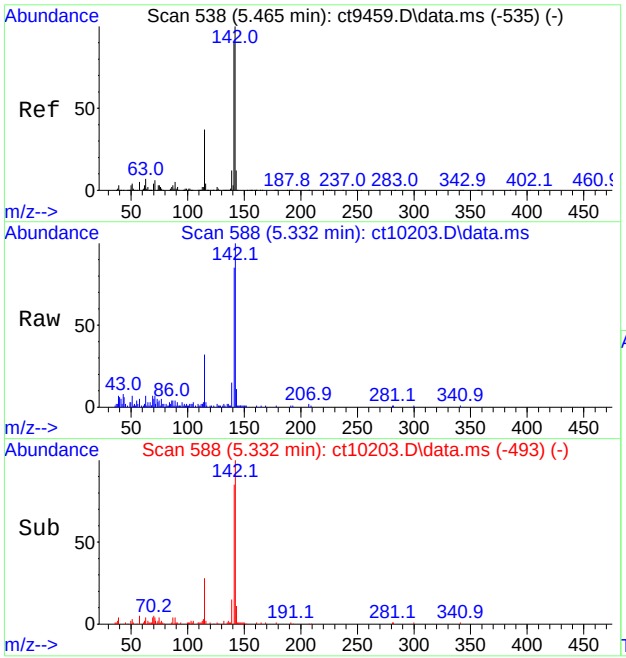


#38
Naphthalene
Concen: 0.7401 ppm
RT: 4.942 min Scan# 515
Delta R.T. 0.005 min
Lab File: ct10203.D
Acq: 09 Dec 2024 01:26 pm

Tgt Ion:128 Resp: 15875

Ion	Ratio	Lower	Upper
128	100		
129	9.7	0.0	41.0
127	15.0	0.0	43.5

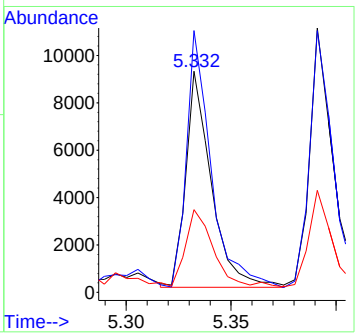


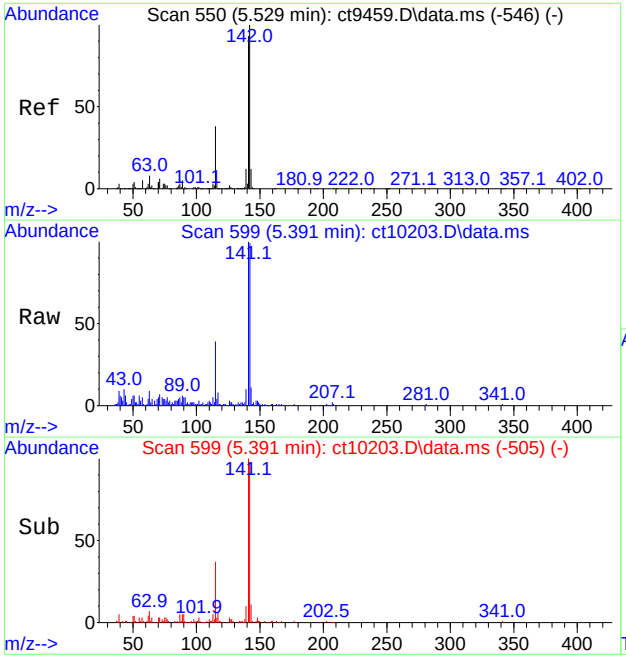


#44
2-Methylnaphthalene
Concen: 0.5861 ppm
RT: 5.332 min Scan# 588
Delta R.T. 0.011 min
Lab File: ct10203.D
Acq: 09 Dec 2024 01:26 pm

Tgt Ion:141 Resp: 7723

Ion	Ratio	Lower	Upper
141	100		
142	119.9	82.7	142.7
115	35.1	8.7	68.7

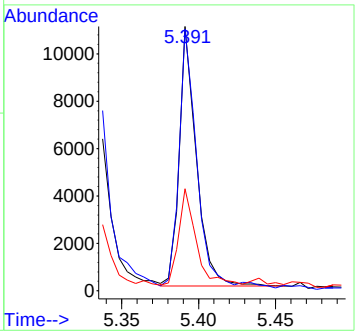


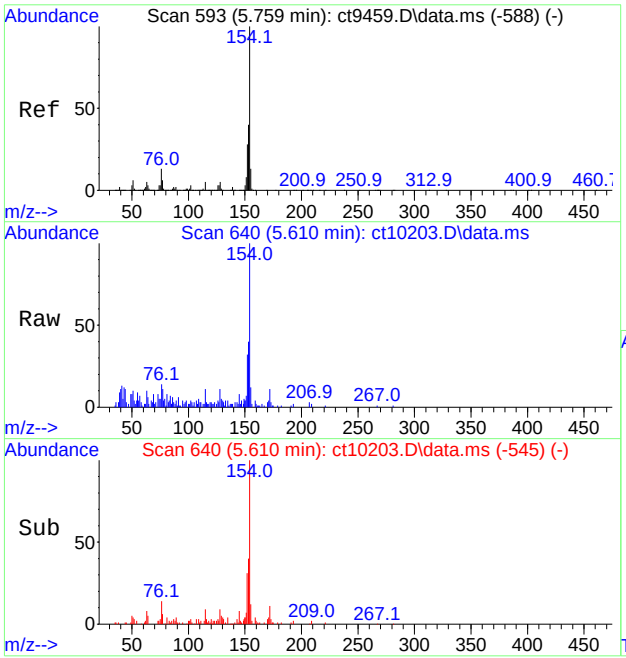


#45
1-Methylnaphthalene
Concen: 0.6625 ppm
RT: 5.391 min Scan# 599
Delta R.T. 0.005 min
Lab File: ct10203.D
Acq: 09 Dec 2024 01:26 pm

Tgt Ion:141 Resp: 8458

Ion	Ratio	Lower	Upper
141	100		
142	99.4	76.3	136.3
115	37.2	6.9	66.9

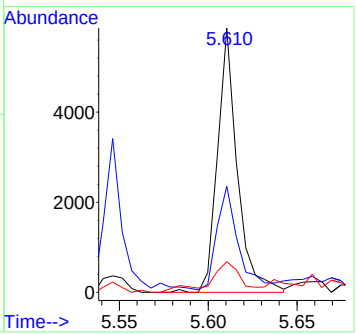


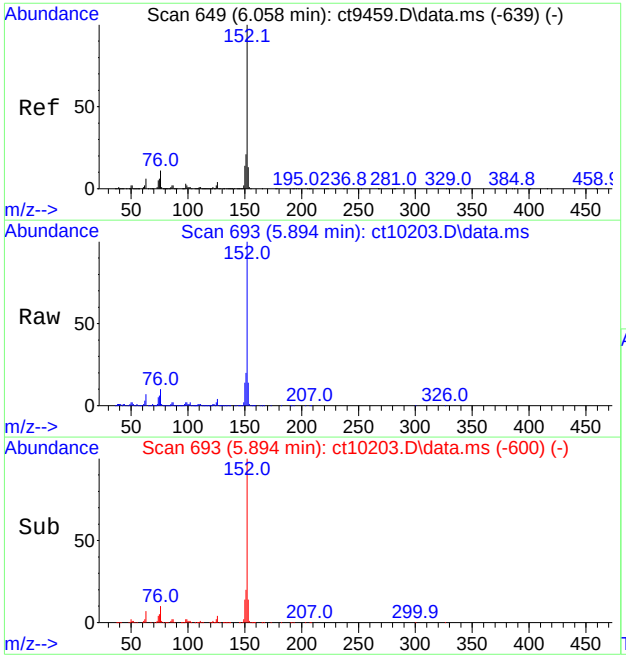


#53
Biphenyl
Concen: 0.2684 ppm
RT: 5.610 min Scan# 640
Delta R.T. 0.011 min
Lab File: ct10203.D
Acq: 09 Dec 2024 01:26 pm

Tgt Ion:154 Resp: 4545

Ion	Ratio	Lower	Upper
154	100		
153	36.4	12.4	72.4
155	10.0	0.0	43.0

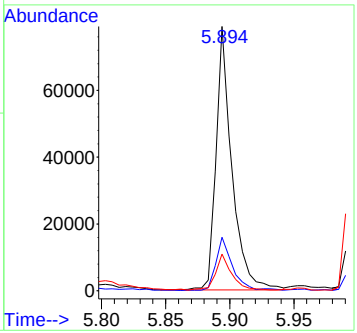


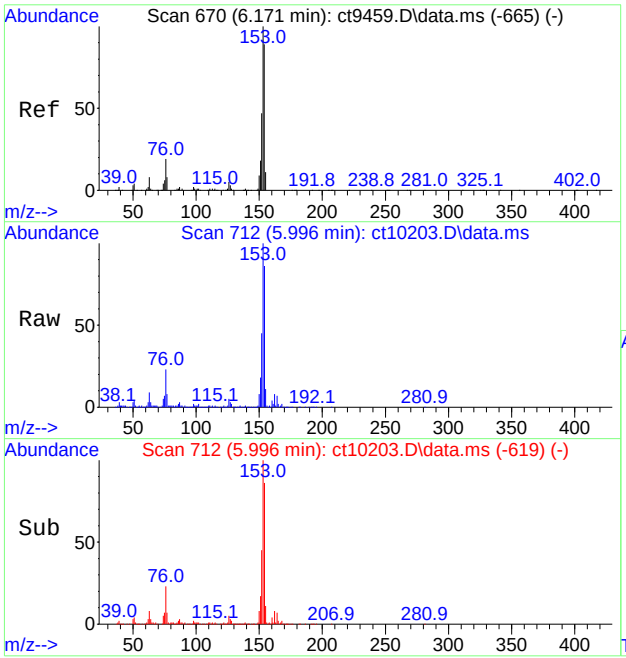


#56
Acenaphthylene
Concen: 4.1537 ppm
RT: 5.894 min Scan# 693
Delta R.T. 0.000 min
Lab File: ct10203.D
Acq: 09 Dec 2024 01:26 pm

Tgt Ion:152 Resp: 67917

Ion	Ratio	Lower	Upper
152	100		
151	20.1	0.0	50.7
153	13.4	0.0	43.0

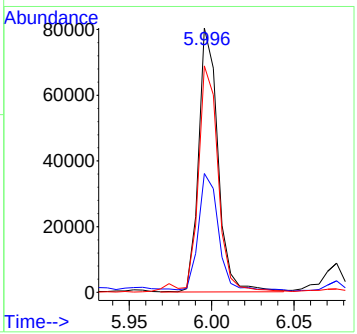


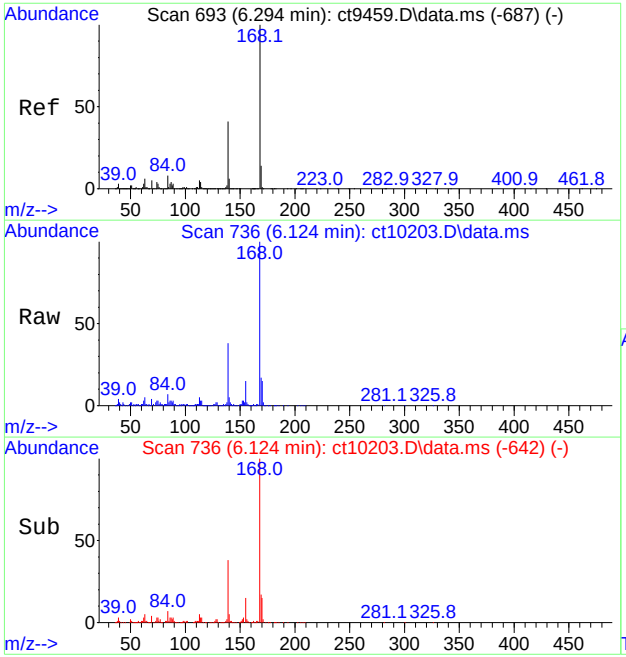


#59
Acenaphthene
Concen: 4.7048 ppm
RT: 5.996 min Scan# 712
Delta R.T. 0.000 min
Lab File: ct10203.D
Acq: 09 Dec 2024 01:26 pm

Tgt Ion:153 Resp: 65829

Ion	Ratio	Lower	Upper
153	100		
152	44.0	16.6	76.6
154	85.1	47.2	107.2

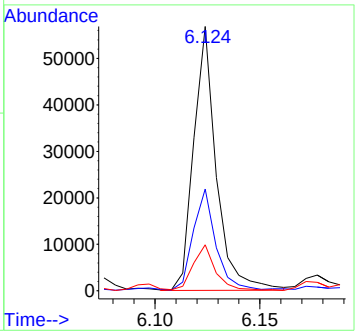


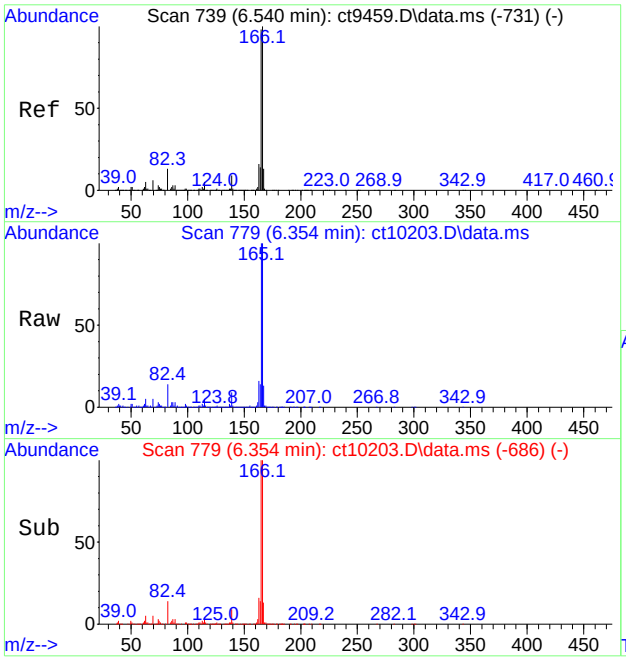


#62
Dibenzofuran
Concen: 2.2580 ppm
RT: 6.124 min Scan# 736
Delta R.T. 0.005 min
Lab File: ct10203.D
Acq: 09 Dec 2024 01:26 pm

Tgt Ion:168 Resp: 42704

Ion	Ratio	Lower	Upper
168	100		
139	38.1	10.0	70.0
169	17.1	0.0	43.5

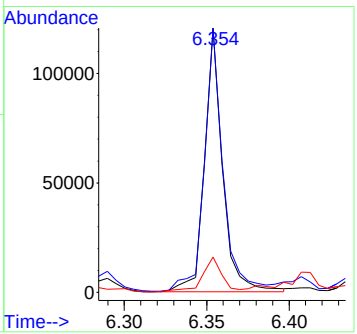


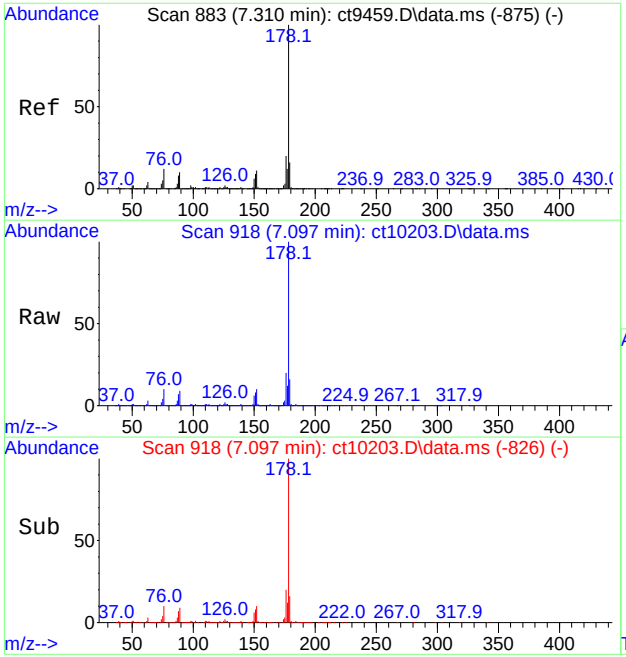


#66
Fluorene
Concen: 6.0286 ppm
RT: 6.354 min Scan# 779
Delta R.T. 0.000 min
Lab File: ct10203.D
Acq: 09 Dec 2024 01:26 pm

Tgt Ion:166 Resp: 92139

Ion	Ratio	Lower	Upper
166	100		
165	98.4	68.2	128.2
167	11.3	0.0	43.2

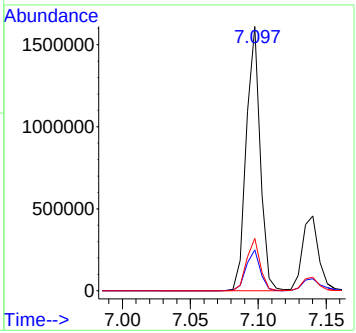


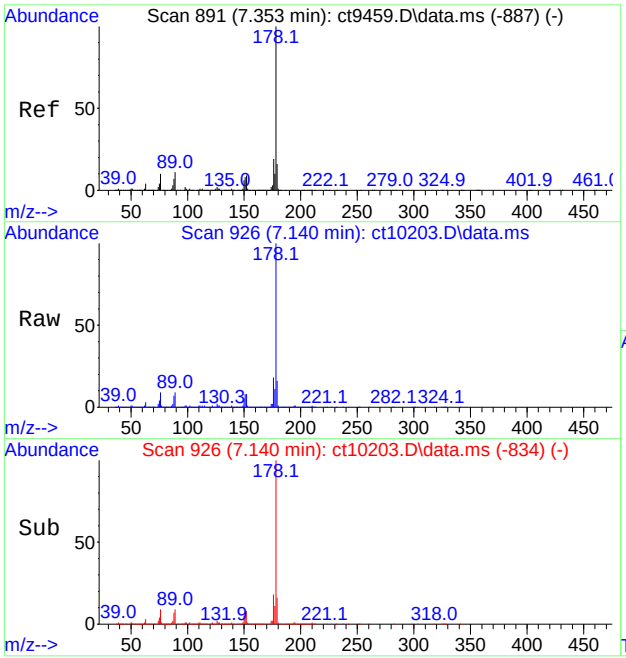


#78
Phenanthrene
Concen: 54.5043 ppm
RT: 7.097 min Scan# 918
Delta R.T. -0.005 min
Lab File: ct10203.D
Acq: 09 Dec 2024 01:26 pm

Tgt Ion:178 Resp: 1148458

Ion	Ratio	Lower	Upper
178	100		
179	15.5	0.0	45.4
176	19.8	0.0	49.2

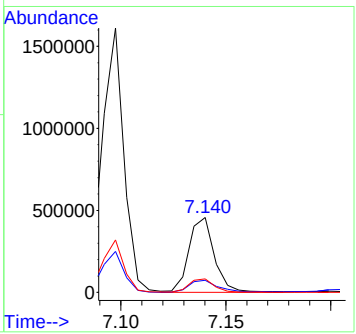


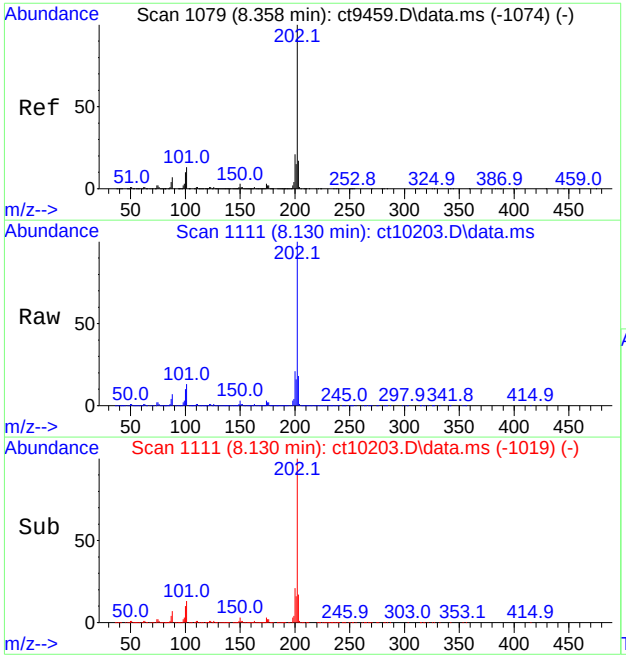


#79
Anthracene
Concen: 19.2545 ppm
RT: 7.140 min Scan# 926
Delta R.T. -0.005 min
Lab File: ct10203.D
Acq: 09 Dec 2024 01:26 pm

Tgt Ion:178 Resp: 388778

Ion	Ratio	Lower	Upper
178	100		
179	15.6	0.0	45.5
176	17.9	0.0	48.5

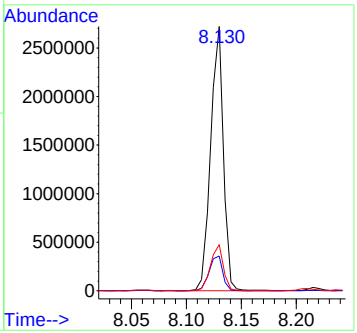


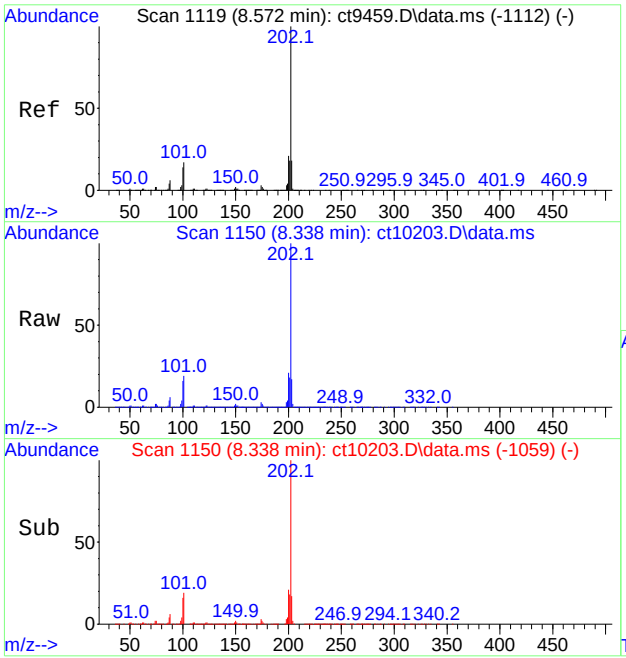


#82
Fluoranthene
Concen: 98.6879 ppm
RT: 8.130 min Scan# 1111
Delta R.T. -0.005 min
Lab File: ct10203.D
Acq: 09 Dec 2024 01:26 pm

Tgt Ion:202 Resp: 2195049

Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	42.5
203	17.5	0.0	47.0

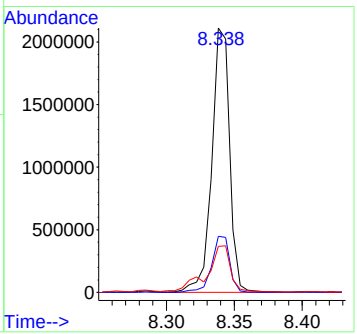


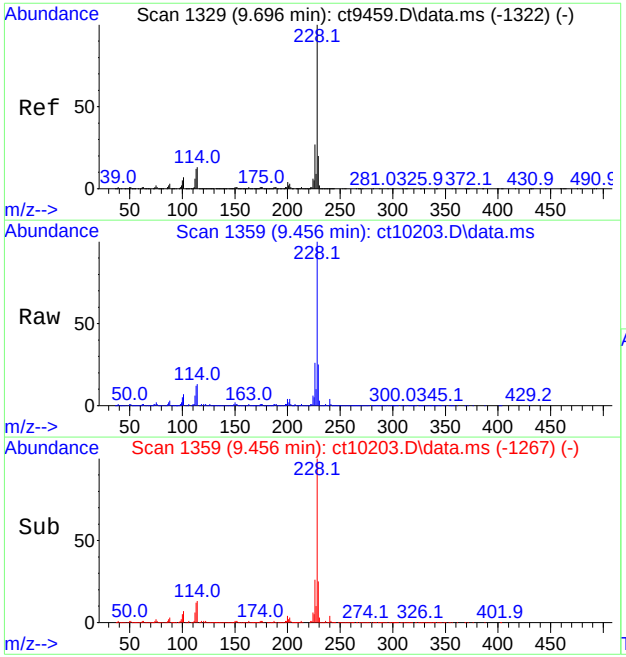


#86
Pyrene
Concen: 73.1517 ppm
RT: 8.338 min Scan# 1150
Delta R.T. -0.011 min
Lab File: ct10203.D
Acq: 09 Dec 2024 01:26 pm

Tgt Ion:202 Resp: 1922571

Ion	Ratio	Lower	Upper
202	100		
200	21.3	0.0	51.0
203	17.2	0.0	47.0

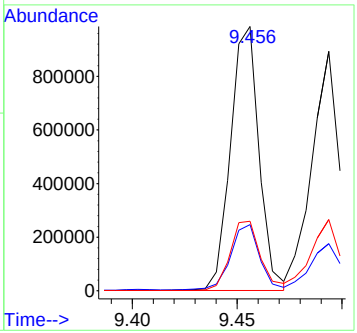


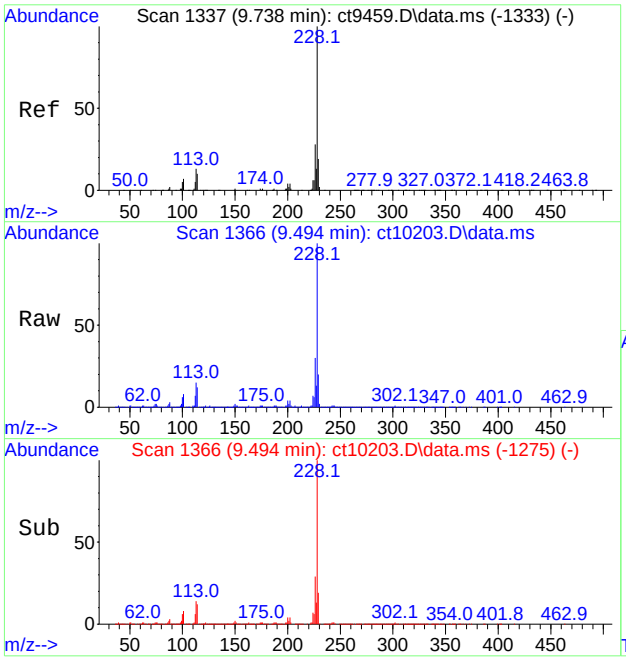


#89
Benzo[a]anthracene
Concen: 37.8527 ppm
RT: 9.456 min Scan# 1359
Delta R.T. -0.005 min
Lab File: ct10203.D
Acq: 09 Dec 2024 01:26 pm

Tgt Ion:228 Resp: 933220

Ion	Ratio	Lower	Upper
228	100		
229	24.7	0.0	49.5
226	25.3	0.0	56.0

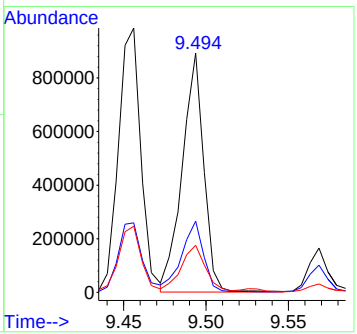


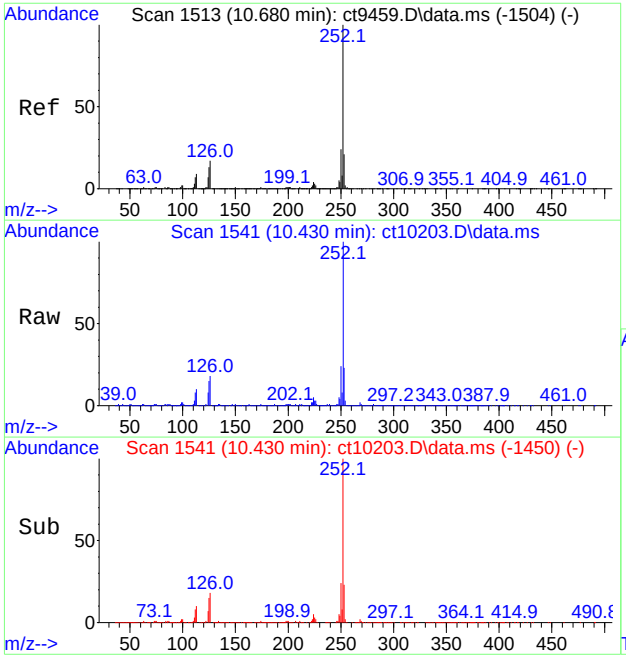


#91
Chrysene
Concen: 34.3054 ppm
RT: 9.494 min Scan# 1366
Delta R.T. -0.011 min
Lab File: ct10203.D
Acq: 09 Dec 2024 01:26 pm

Tgt Ion:228 Resp: 812121

Ion	Ratio	Lower	Upper
228	100		
226	28.6	0.0	59.4
229	19.4	0.0	49.1

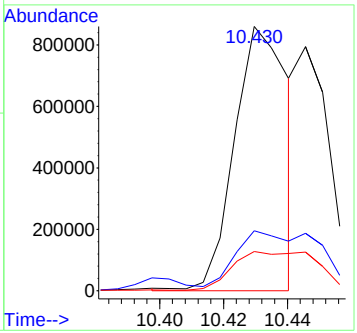


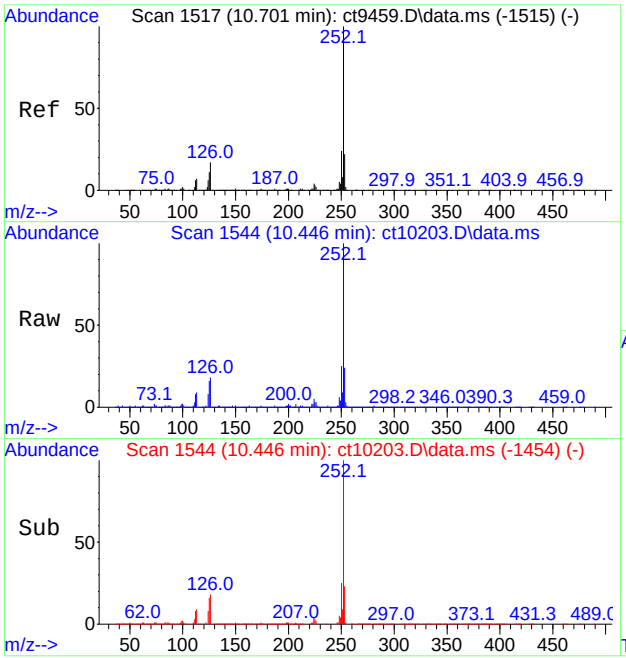


#95
Benzo[b]fluoranthene
Concen: 38.3994 ppm m
RT: 10.430 min Scan# 1541
Delta R.T. -0.011 min
Lab File: ct10203.D
Acq: 09 Dec 2024 01:26 pm

Tgt Ion:252 Resp: 997903

Ion	Ratio	Lower	Upper
252	100		
253	22.7	0.0	52.7
125	14.9	0.0	42.3

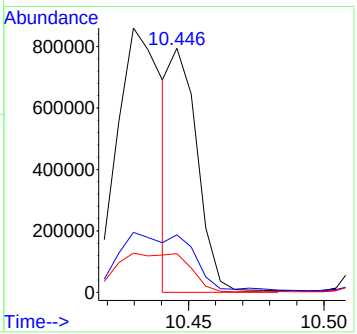


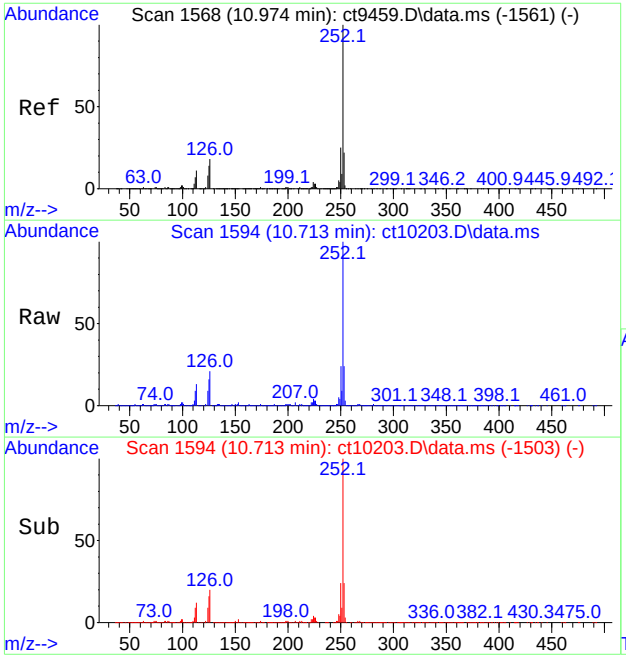


#96
Benzo[k]fluoranthene
Concen: 24.3247 ppm m
RT: 10.446 min Scan# 1544
Delta R.T. -0.016 min
Lab File: ct10203.D
Acq: 09 Dec 2024 01:26 pm

Tgt Ion:252 Resp: 549965

Ion	Ratio	Lower	Upper
252	100		
253	23.5	0.0	52.6
125	15.9	0.0	41.9

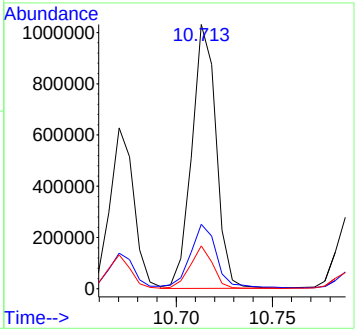


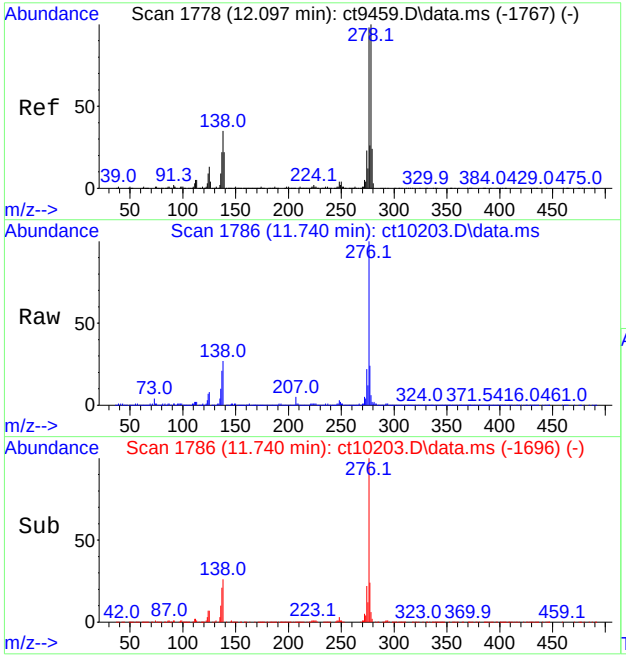


#97
Benzo[a]pyrene
Concen: 42.2332 ppm
RT: 10.713 min Scan# 1594
Delta R.T. -0.011 min
Lab File: ct10203.D
Acq: 09 Dec 2024 01:26 pm

Tgt Ion:252 Resp: 904913

Ion	Ratio	Lower	Upper
252	100		
253	23.9	0.0	51.1
125	16.2	0.0	44.2

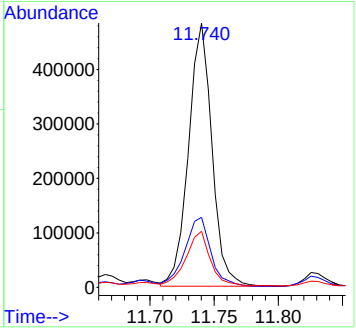


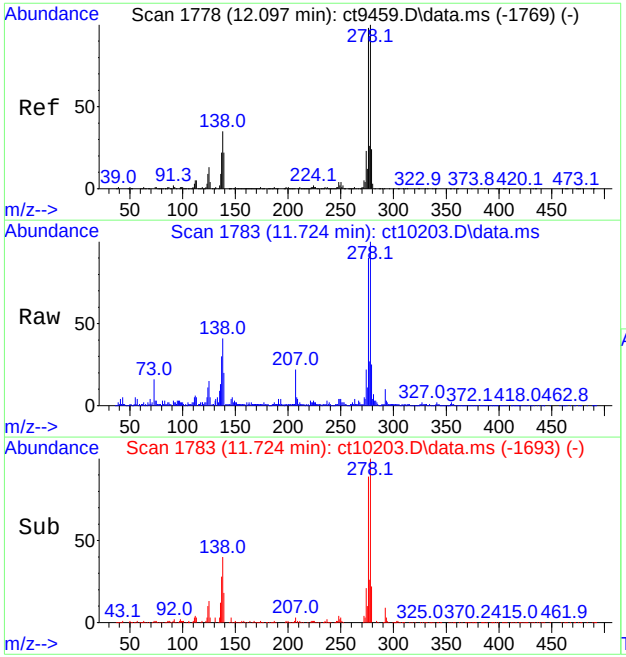


#98
Indeno[1,2,3-cd]pyrene
Concen: 21.7801 ppm
RT: 11.740 min Scan# 1786
Delta R.T. -0.016 min
Lab File: ct10203.D
Acq: 09 Dec 2024 01:26 pm

Tgt Ion:276 Resp: 613011

Ion	Ratio	Lower	Upper
276	100		
138	25.9	0.0	58.2
137	20.5	0.0	51.1

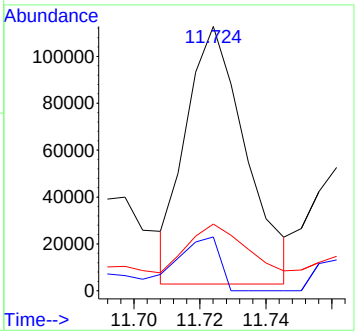


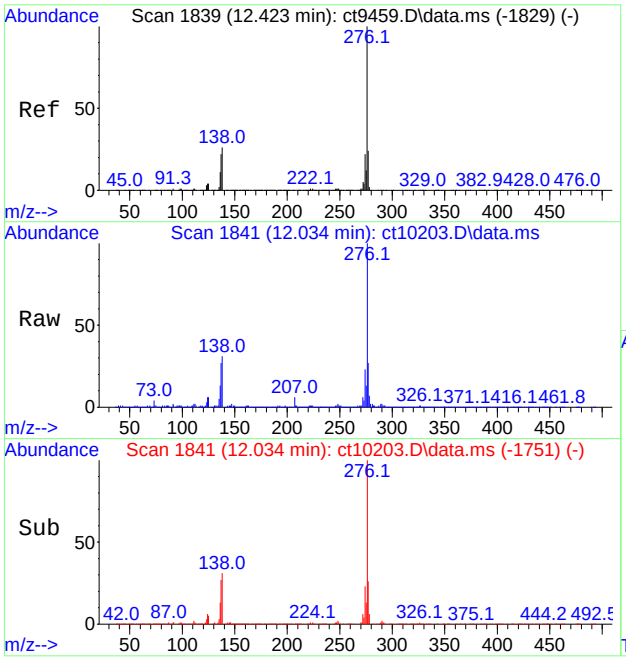


#100
Dibenz[a,h]anthracene
Concen: 6.1302 ppm
RT: 11.724 min Scan# 1783
Delta R.T. -0.016 min
Lab File: ct10203.D
Acq: 09 Dec 2024 01:26 pm

Tgt Ion:278 Resp: 138815

Ion	Ratio	Lower	Upper
278	100		
139	22.1	0.0	53.1
279	23.0	0.0	53.8

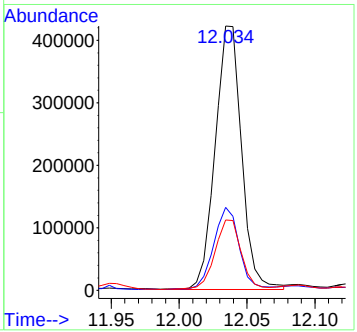




#102
Benzo[g,h,i]perylene
Concen: 25.2846 ppm
RT: 12.034 min Scan# 1841
Delta R.T. -0.016 min
Lab File: ct10203.D
Acq: 09 Dec 2024 01:26 pm

Tgt Ion:276 Resp: 568195

Ion	Ratio	Lower	Upper
276	100		
138	30.4	0.0	58.1
277	26.0	0.0	53.2



Manual Integrations APPROVED (compounds with "m" flag)
Jon Kreigmor Mamanta 12/18/24 07:17

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\altheam\e6p4336\
Data File : 6p519557.d
Acq On : 17 Dec 2024 5:57 pm
Operator : anthonyo
Sample : je1542-11t Inst : GCMS6P
Misc : op60221,e6p4336,30.8,,,1,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 18 08:35:43 2024
Quant Method : X:\Dayton SVOA GCMS\altheam\method\M6P4256.M
Quant Title : Semi Volatile GC/MS,zb-5msplus30m x .25mm x .25um
QLast Update : Wed Dec 18 06:35:30 2024
Response via : Initial Calibration

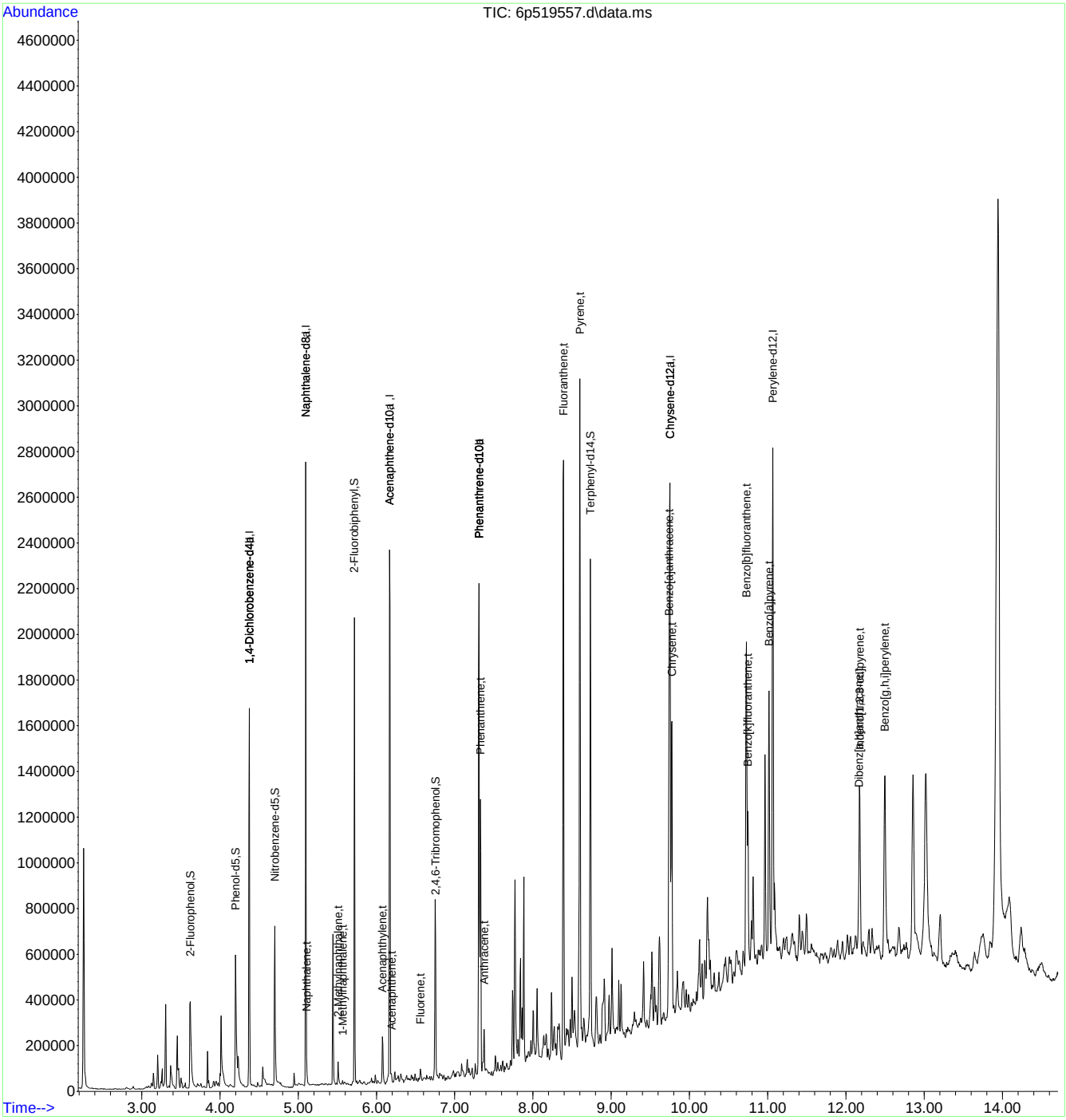
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.375	152	182307	40.00	ppm	0.00
24) Naphthalene-d8	5.097	136	753885	40.00	ppm	0.00
46) Acenaphthene-d10	6.166	164	412311	40.00	ppm	0.00
69) Phenanthrene-d10	7.311	188	664236	40.00	ppm	0.00
84) Chrysene-d12	9.750	240	639816	40.00	ppm	0.00
93) Perylene-d12	11.066	264	796127	40.00	ppm	0.00
103) 1,4-Dichlorobenzene-d4a	4.375	152	182307	40.00	ppm	0.00
105) Phenanthrene-d10a	7.311	188	664236	40.00	ppm	0.00
107) Naphthalene-d8a	5.097	136	753885	40.00	ppm	0.00
109) 1,4-Dichlorobenzene-d4b	4.375	152	182307	40.00	ppm	0.00
112) Acenaphthene-d10a	6.166	164	412311	40.00	ppm	0.00
114) Phenanthrene-d10b	7.311	188	664236	40.00	ppm	0.00
117) Chrysene-d12a	9.750	240	639816	40.00	ppm	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.620	112	141801	23.45	ppm	0.01
Spiked Amount 50.000			Recovery = 46.90%			
8) Phenol-d5	4.198	99	206994	25.98	ppm	0.00
Spiked Amount 50.000			Recovery = 51.96%			
25) Nitrobenzene-d5	4.701	82	191310	25.84	ppm	0.00
Spiked Amount 50.000			Recovery = 51.68%			
51) 2-Fluorobiphenyl	5.717	172	444758	33.04	ppm	0.00
Spiked Amount 50.000			Recovery = 66.08%			
74) 2,4,6-Tribromophenol	6.755	330	90347	46.05	ppm	0.00
Spiked Amount 50.000			Recovery = 92.10%			
87) Terphenyl-d14	8.734	244	601083	36.47	ppm	0.00
Spiked Amount 50.000			Recovery = 72.94%			
115) 1-chlorooctadecane	0.000	57	0d	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
116) o-terphenyl	0.000	230	0d	0.00	ppm	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
38) Naphthalene	5.107	128	10118	0.5151	ppm	80
44) 2-Methylnaphthalene	5.508	141	3073	0.2681	ppm	96
45) 1-Methylnaphthalene	5.567	141	3528	0.3212	ppm	95
56) Acenaphthylene	6.075	152	74209	4.8068	ppm	98
59) Acenaphthene	6.193	153	7610m	0.5912	ppm	
66) Fluorene	6.562	166	13499m	0.9828	ppm	
78) Phenanthrene	7.327	178	403031	22.8320	ppm	99
79) Anthracene	7.375	178	71034	4.0319	ppm	97
82) Fluoranthene	8.391	202	975234	50.7167	ppm	98
86) Pyrene	8.600	202	1039410	48.2267	ppm	98
89) Benzo[a]anthracene	9.739	228	410627	19.2258	ppm	94
91) Chrysene	9.777	228	463392	22.8173	ppm	98
95) Benzo[b]fluoranthene	10.729	252	638671m	25.8066	ppm	
96) Benzo[k]fluoranthene	10.745	252	183812m	8.2387	ppm	
97) Benzo[a]pyrene	11.018	252	437727	22.2015	ppm	98
98) Indeno[1,2,3-cd]pyrene	12.178	276	360233	13.2282	ppm	96
100) Dibenz[a,h]anthracene	12.168	278	86794	3.8921	ppm	88
102) Benzo[g,h,i]perylene	12.494	276	370803	17.7493	ppm	97

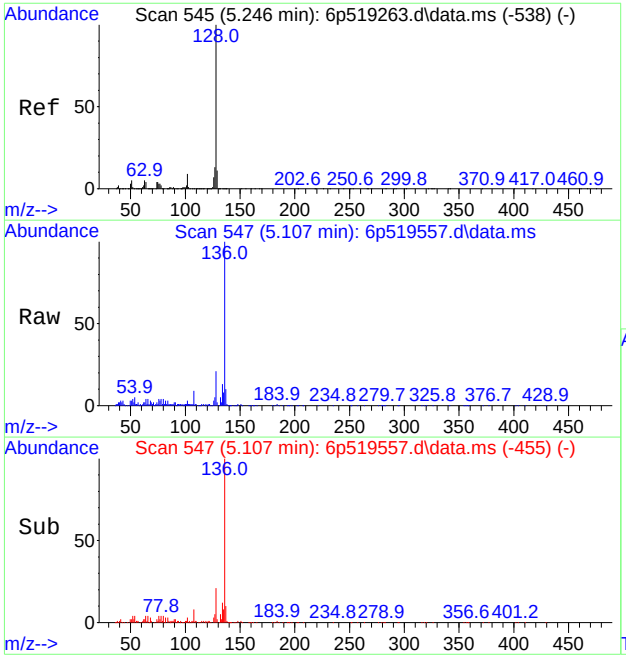
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\altheam\e6p4336\
Data File : 6p519557.d
Acq On : 17 Dec 2024 5:57 pm
Operator : anthonyo
Sample : je1542-11t Inst : GCMS6P
Misc : op60221,e6p4336,30.8,,,1,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 18 08:35:43 2024
Quant Method : X:\Dayton SVOA GCMS\altheam\method\M6P4256.M
Quant Title : Semi Volatile GC/MS,zb-5msplus30m x .25mm x .25um
QLast Update : Wed Dec 18 06:35:30 2024
Response via : Initial Calibration

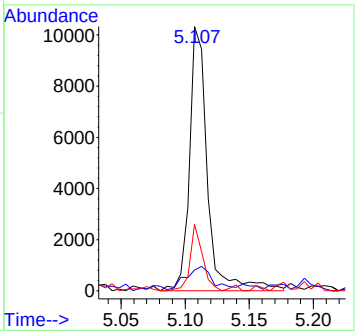


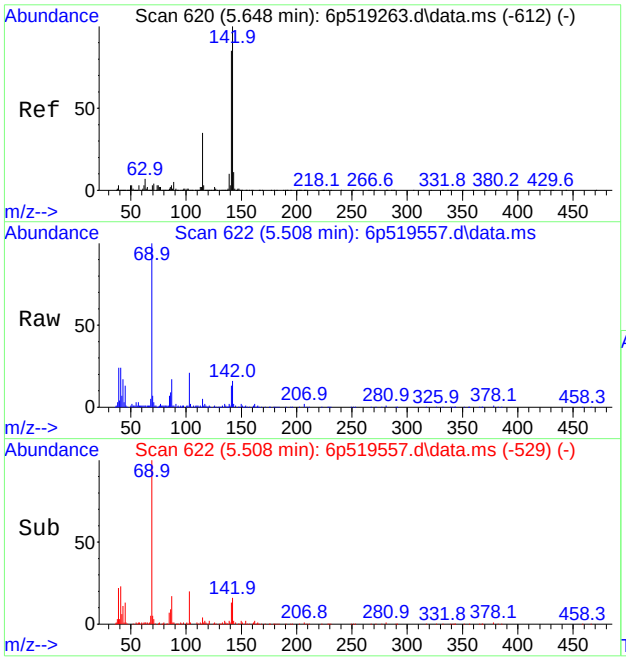


#38
Naphthalene
Concen: 0.5151 ppm
RT: 5.107 min Scan# 547
Delta R.T. -0.005 min
Lab File: 6p519557.d
Acq: 17 Dec 2024 5:57 pm

Tgt Ion:128 Resp: 10118

Ion	Ratio	Lower	Upper
128	100		
129	5.9	0.0	40.5
127	23.6	0.0	43.2

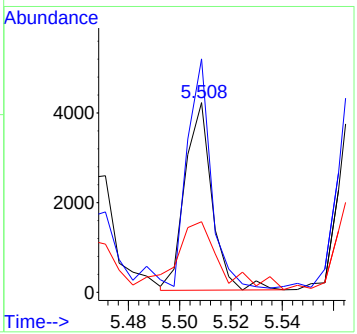


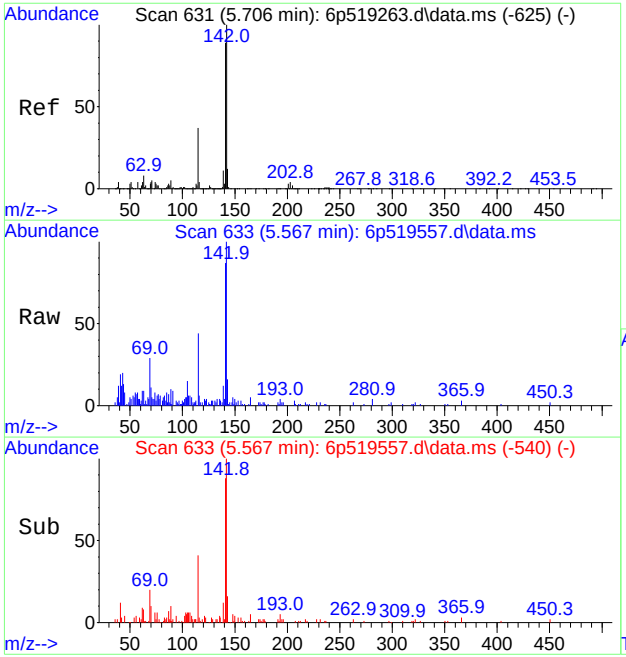


#44
2-Methylnaphthalene
Concen: 0.2681 ppm
RT: 5.508 min Scan# 622
Delta R.T. 0.000 min
Lab File: 6p519557.d
Acq: 17 Dec 2024 5:57 pm

Tgt Ion:141 Resp: 3073

Ion	Ratio	Lower	Upper
141	100		
142	120.7	86.9	146.9
115	32.5	5.9	65.9

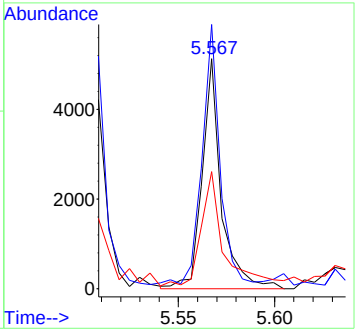


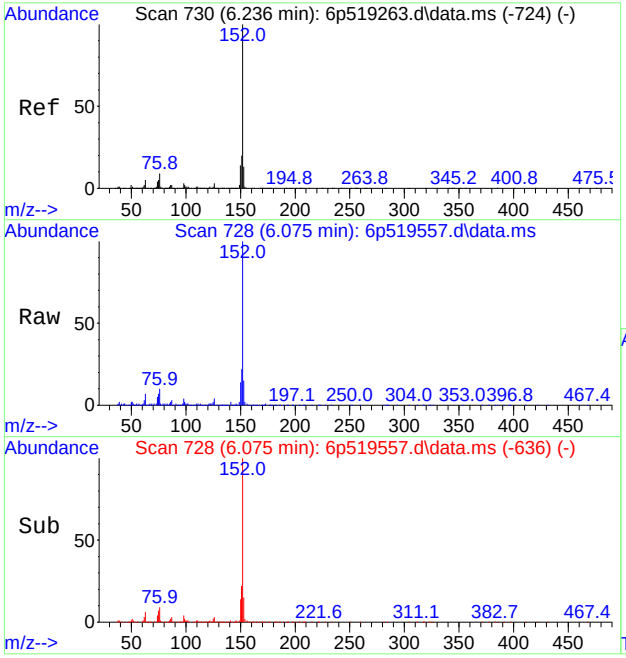


#45
1-Methylnaphthalene
Concen: 0.3212 ppm
RT: 5.567 min Scan# 633
Delta R.T. 0.000 min
Lab File: 6p519557.d
Acq: 17 Dec 2024 5:57 pm

Tgt Ion:141 Resp: 3528

Ion	Ratio	Lower	Upper
141	100		
142	110.9	81.4	141.4
115	48.8	7.3	67.3

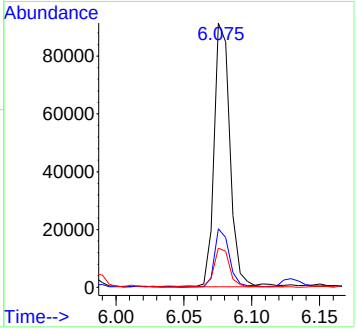


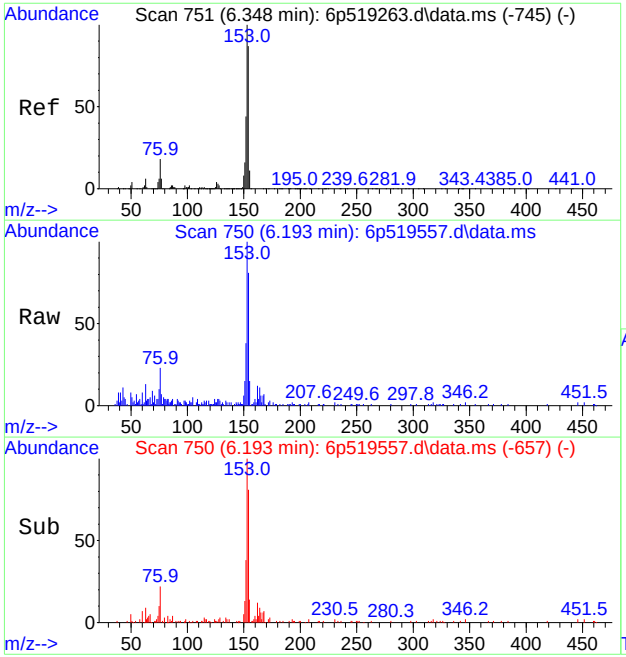


#56
Acenaphthylene
Concen: 4.8068 ppm
RT: 6.075 min Scan# 728
Delta R.T. -0.005 min
Lab File: 6p519557.d
Acq: 17 Dec 2024 5:57 pm

Tgt Ion:152 Resp: 74209

Ion	Ratio	Lower	Upper
152	100		
151	20.8	0.0	50.9
153	14.7	0.0	43.2

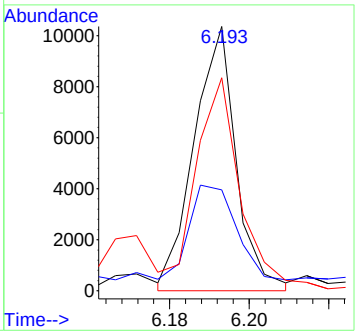


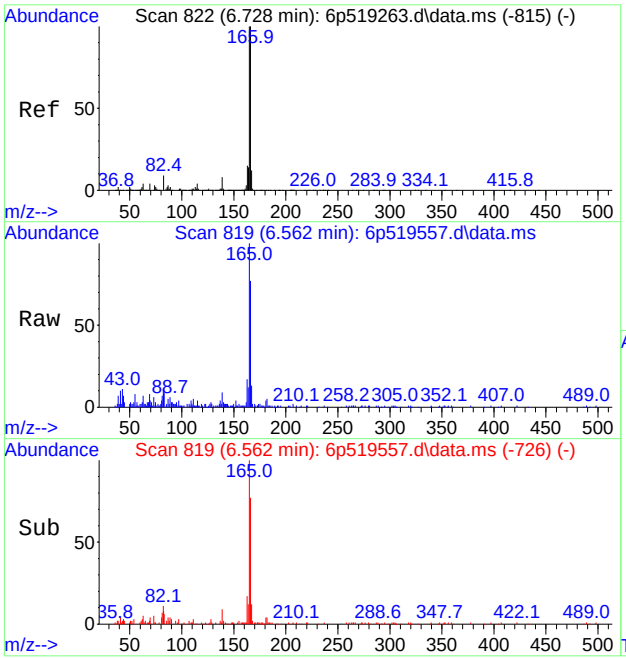


#59
Acenaphthene
Concen: 0.5912 ppm m
RT: 6.193 min Scan# 750
Delta R.T. 0.000 min
Lab File: 6p519557.d
Acq: 17 Dec 2024 5:57 pm

Tgt Ion:153 Resp: 7610

Ion	Ratio	Lower	Upper
153	100		
152	38.2	12.9	72.9
154	80.5	55.3	115.3

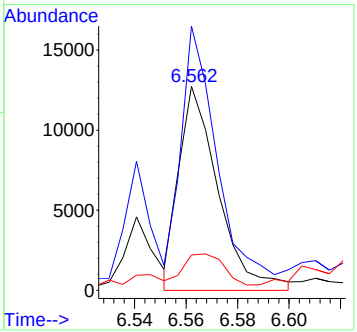


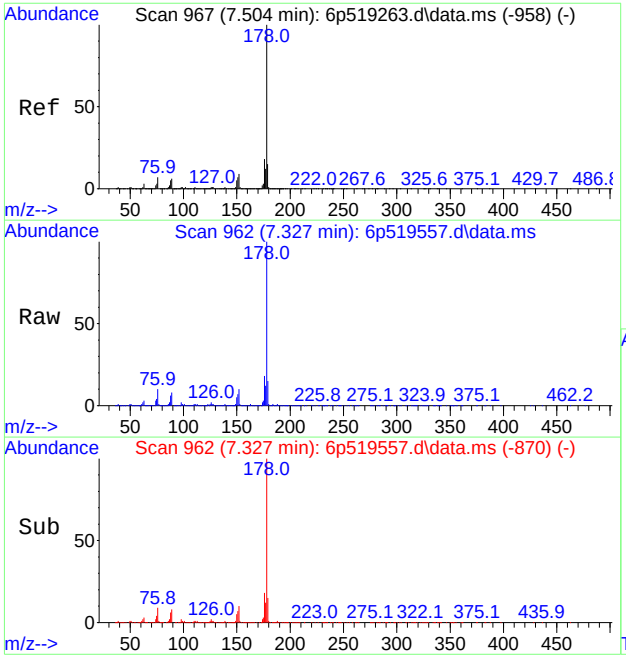


#66
Fluorene
Concen: 0.9828 ppm m
RT: 6.562 min Scan# 819
Delta R.T. 0.000 min
Lab File: 6p519557.d
Acq: 17 Dec 2024 5:57 pm

Tgt Ion:166 Resp: 13499

Ion	Ratio	Lower	Upper
166	100		
165	129.6	66.4	126.4#
167	17.3	0.0	42.5

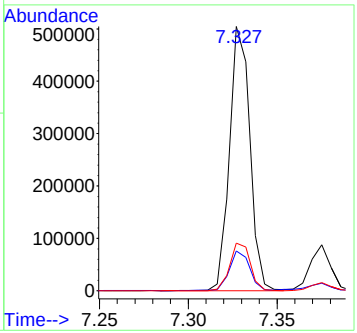


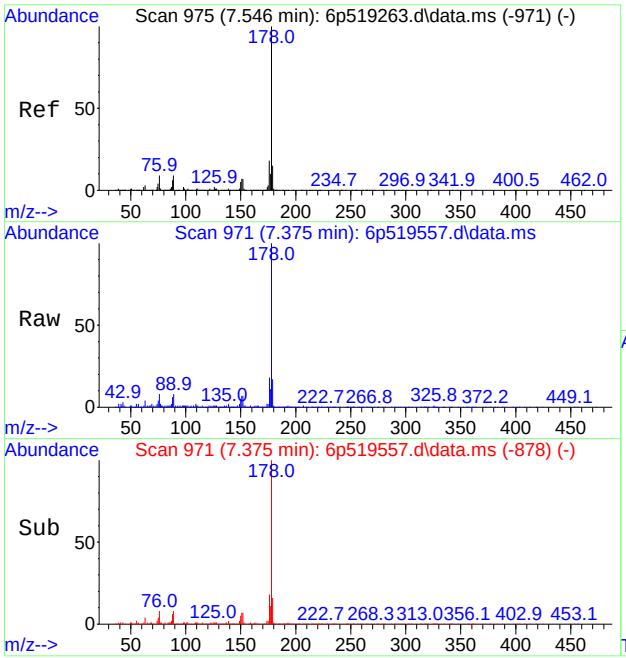


#78
Phenanthrene
Concen: 22.8320 ppm
RT: 7.327 min Scan# 962
Delta R.T. -0.005 min
Lab File: 6p519557.d
Acq: 17 Dec 2024 5:57 pm

Tgt Ion:178 Resp: 403031

Ion	Ratio	Lower	Upper
178	100		
179	14.8	0.0	44.9
176	18.0	0.0	48.6

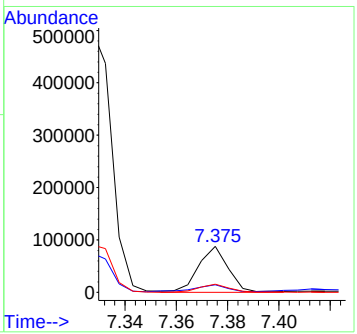


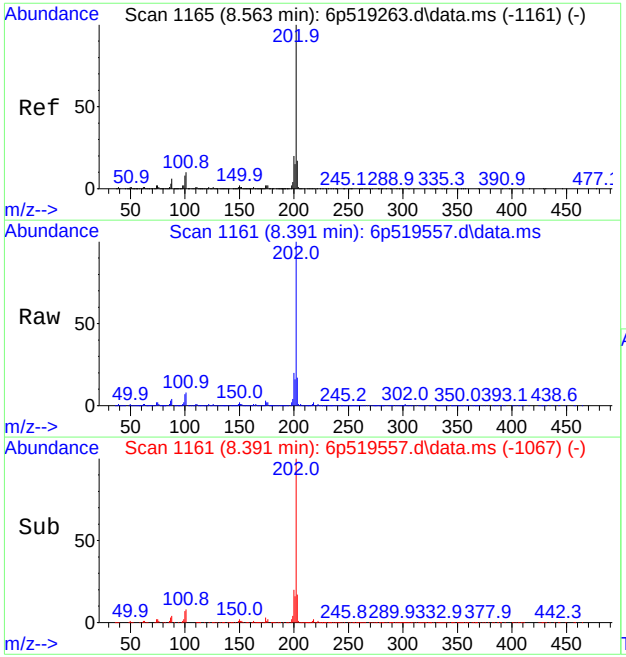


#79
Anthracene
Concen: 4.0319 ppm
RT: 7.375 min Scan# 971
Delta R.T. 0.000 min
Lab File: 6p519557.d
Acq: 17 Dec 2024 5:57 pm

Tgt Ion:178 Resp: 71034

Ion	Ratio	Lower	Upper
178	100		
179	13.3	0.0	46.0
176	17.8	0.0	48.2

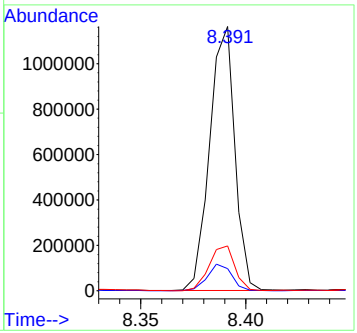


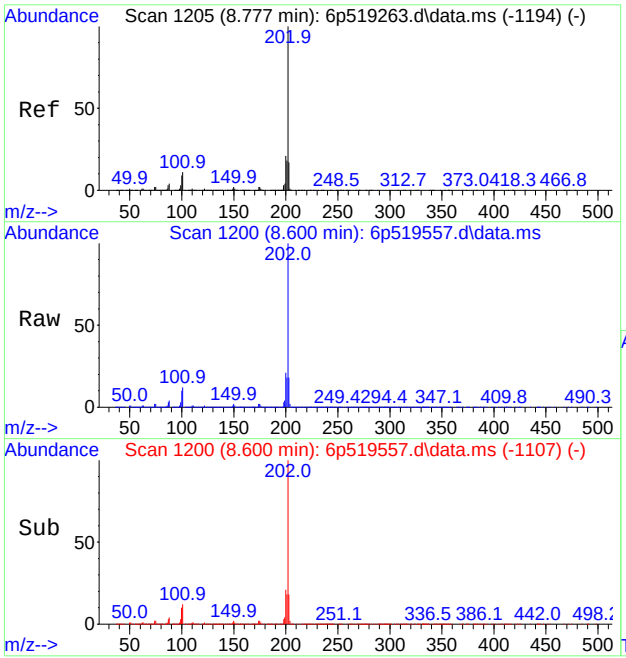


#82
Fluoranthene
Concen: 50.7167 ppm
RT: 8.391 min Scan# 1161
Delta R.T. 0.005 min
Lab File: 6p519557.d
Acq: 17 Dec 2024 5:57 pm

Tgt Ion:202 Resp: 975234

Ion	Ratio	Lower	Upper
202	100		
101	8.3	0.0	40.4
203	16.9	0.0	46.8

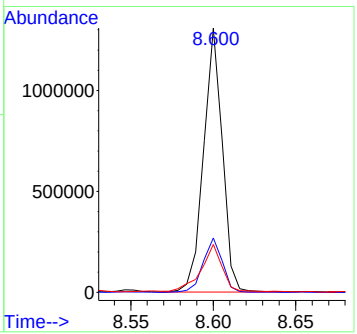


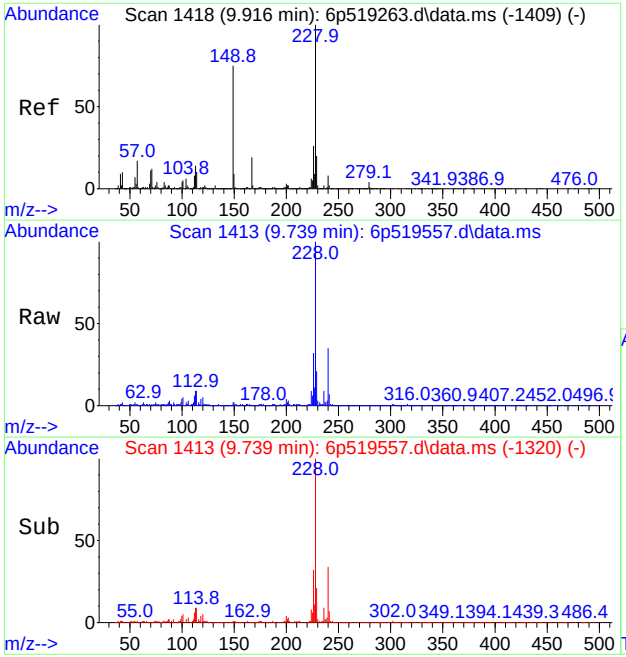


#86
Pyrene
Concen: 48.2267 ppm
RT: 8.600 min Scan# 1200
Delta R.T. 0.000 min
Lab File: 6p519557.d
Acq: 17 Dec 2024 5:57 pm

Tgt Ion:202 Resp: 1039410

Ion	Ratio	Lower	Upper
202	100		
200	20.6	0.0	50.1
203	17.8	0.0	46.8

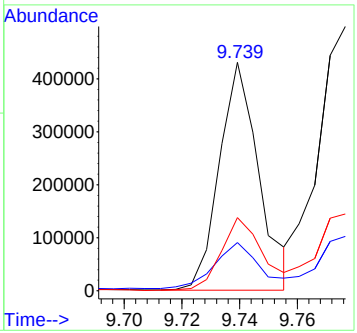


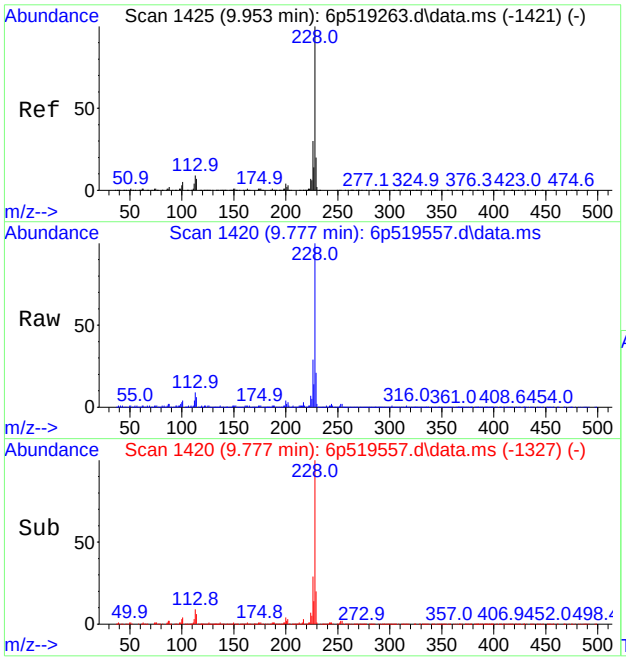


#89
Benzo[a]anthracene
Concen: 19.2258 ppm
RT: 9.739 min Scan# 1413
Delta R.T. 0.000 min
Lab File: 6p519557.d
Acq: 17 Dec 2024 5:57 pm

Tgt Ion:228 Resp: 410627

Ion	Ratio	Lower	Upper
228	100		
229	19.7	0.0	49.1
226	30.9	0.0	55.8

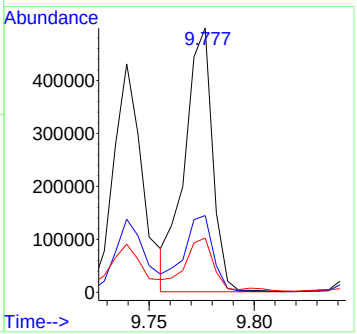


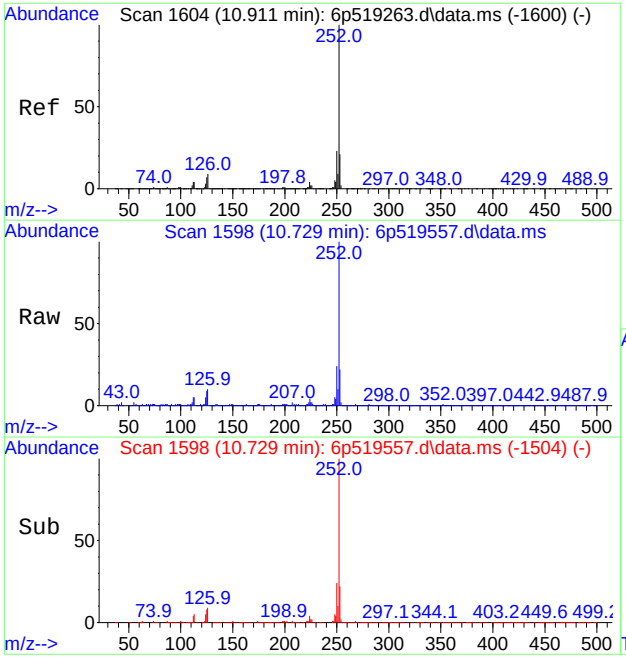


#91
Chrysene
Concen: 22.8173 ppm
RT: 9.777 min Scan# 1420
Delta R.T. 0.000 min
Lab File: 6p519557.d
Acq: 17 Dec 2024 5:57 pm

Tgt Ion:228 Resp: 463392

Ion	Ratio	Lower	Upper
228	100		
226	27.7	0.0	58.8
229	19.5	0.0	49.2

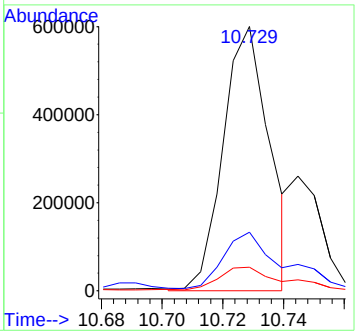


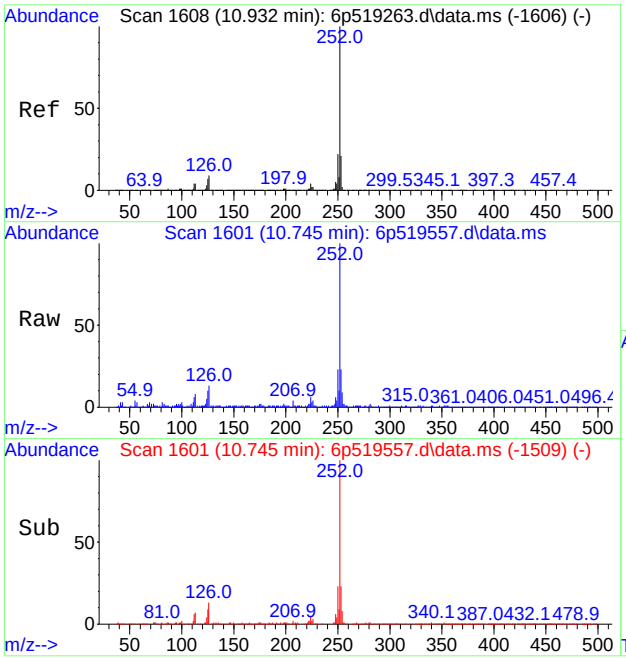


#95
Benzo[b]fluoranthene
Concen: 25.8066 ppm m
RT: 10.729 min Scan# 1598
Delta R.T. 0.005 min
Lab File: 6p519557.d
Acq: 17 Dec 2024 5:57 pm

Tgt Ion:252 Resp: 638671

Ion	Ratio	Lower	Upper
252	100		
253	22.2	0.0	51.7
125	8.9	0.0	39.7

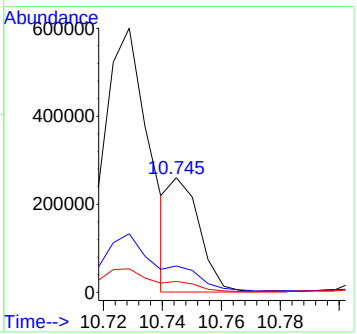


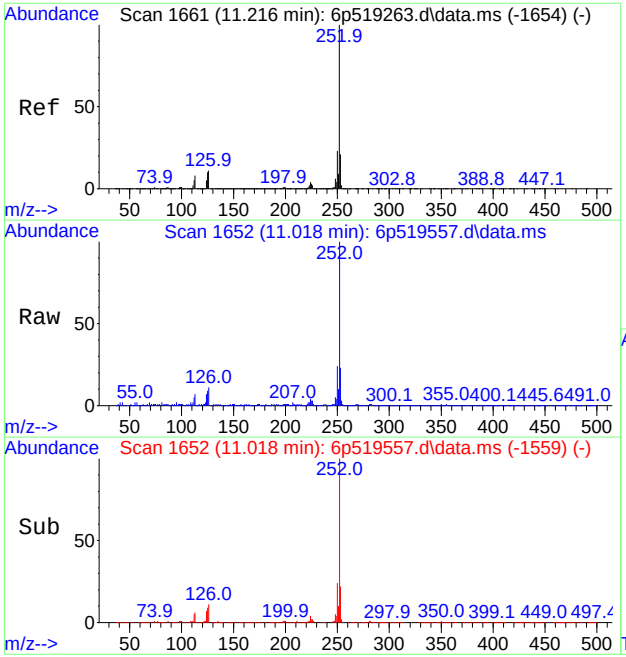


#96
Benzo[k]fluoranthene
Concen: 8.2387 ppm m
RT: 10.745 min Scan# 1601
Delta R.T. -0.005 min
Lab File: 6p519557.d
Acq: 17 Dec 2024 5:57 pm

Tgt Ion:252 Resp: 183812

Ion	Ratio	Lower	Upper
252	100		
253	23.1	0.0	51.4
125	9.7	0.0	37.8

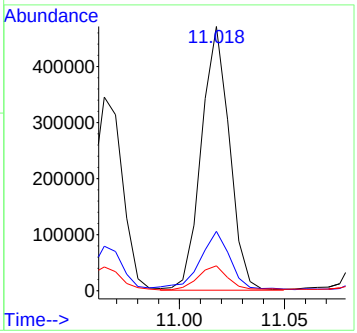


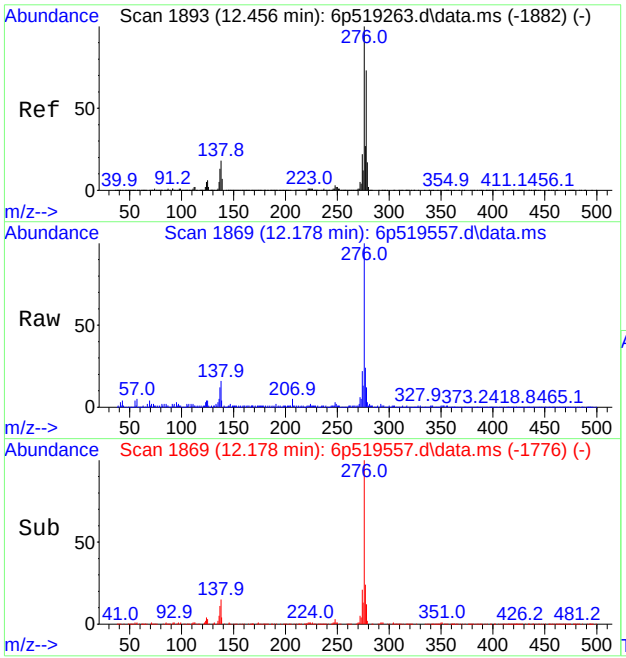


#97
Benzo[a]pyrene
Concen: 22.2015 ppm
RT: 11.018 min Scan# 1652
Delta R.T. 0.000 min
Lab File: 6p519557.d
Acq: 17 Dec 2024 5:57 pm

Tgt Ion:252 Resp: 437727

Ion	Ratio	Lower	Upper
252	100		
253	21.6	0.0	51.0
125	9.0	0.0	37.9

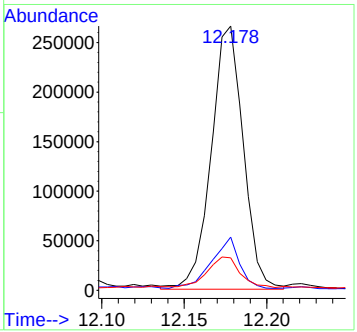


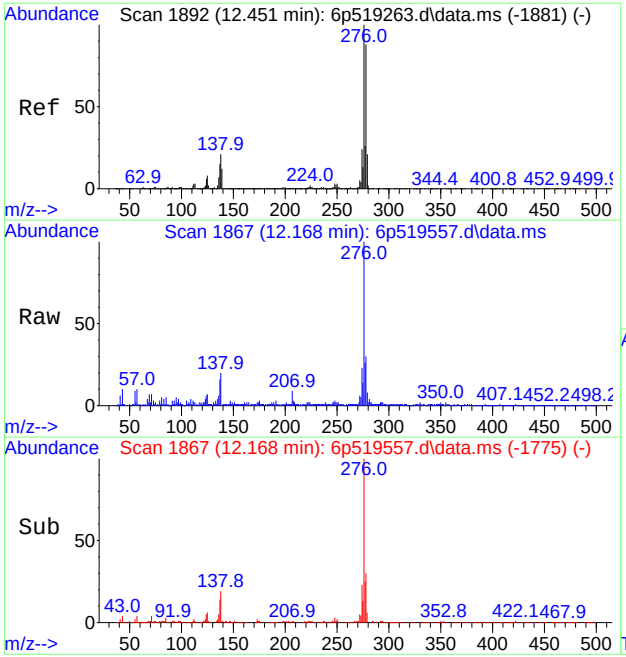


#98
Indeno[1,2,3-cd]pyrene
Concen: 13.2282 ppm
RT: 12.178 min Scan# 1869
Delta R.T. 0.000 min
Lab File: 6p519557.d
Acq: 17 Dec 2024 5:57 pm

Tgt Ion:276 Resp: 360233

Ion	Ratio	Lower	Upper
276	100		
138	19.5	0.0	49.9
137	11.1	0.0	44.3

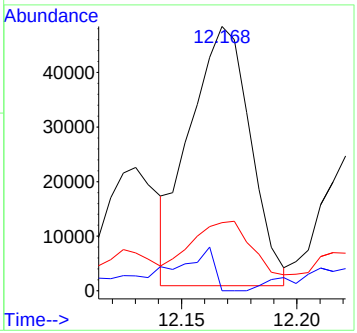


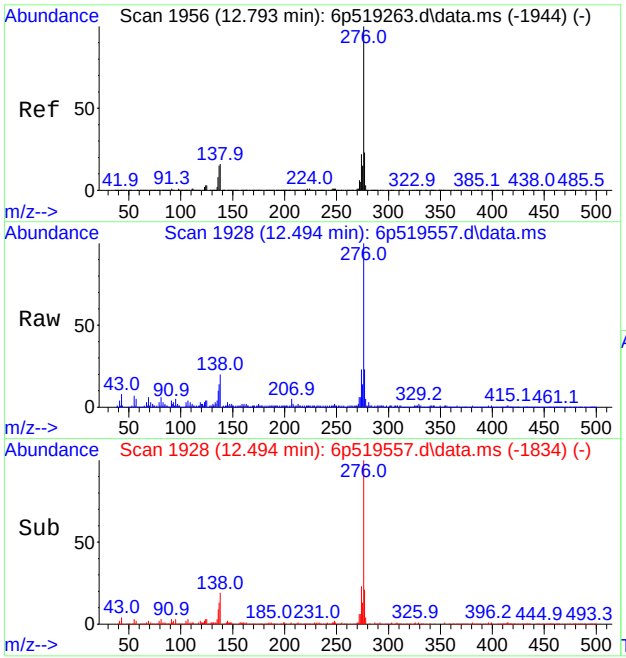


#100
Dibenz[a,h]anthracene
Concen: 3.8921 ppm
RT: 12.168 min Scan# 1867
Delta R.T. -0.005 min
Lab File: 6p519557.d
Acq: 17 Dec 2024 5:57 pm

Tgt Ion:278 Resp: 86794

Ion	Ratio	Lower	Upper
278	100		
139	0.0	0.0	42.8
279	23.2	0.0	53.3

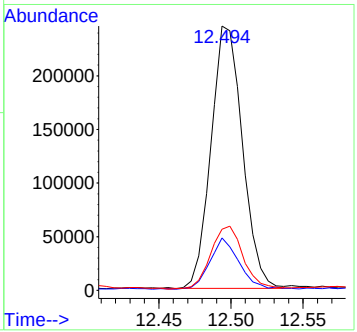




#102
Benzo[g,h,i]perylene
Concen: 17.7493 ppm
RT: 12.494 min Scan# 1928
Delta R.T. 0.005 min
Lab File: 6p519557.d
Acq: 17 Dec 2024 5:57 pm

Tgt Ion:276 Resp: 370803

Ion	Ratio	Lower	Upper
276	100		
138	19.4	0.0	47.9
277	22.5	0.0	53.6



Manual Integrations APPROVED (compounds with "m" flag)
Jacky Takeuchi 12/09/24 22:18

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\recheleb\E4P3703\
Data File : 4p694164.d
Acq On : 6 Dec 2024 9:02 pm
Operator : kaleigh
Sample : je1542-12 Inst : GCMS4P
Misc : op59876,e4p3703,30.2,,,1,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 08 10:47:50 2024
Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Sun Dec 08 08:17:46 2024
Response via : Initial Calibration

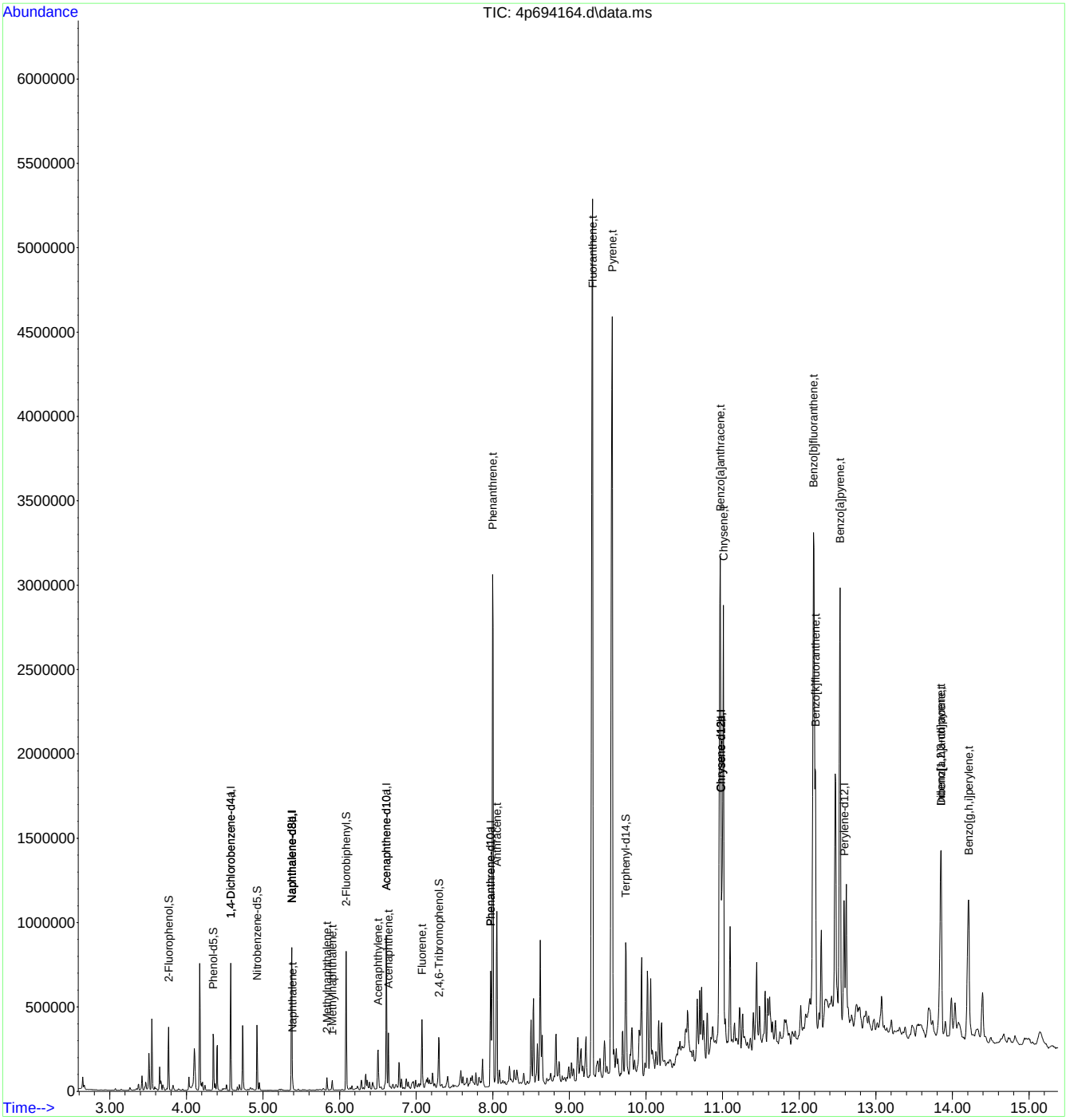
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.580	152	79142	40.00	ppm	0.00
24) Naphthalene-d8	5.376	136	288286	40.00	ppm	0.00
46) Acenaphthene-d10	6.610	164	156346	40.00	ppm	0.00
69) Phenanthrene-d10	7.972	188	257270	40.00	ppm	0.00
84) Chrysene-d12	10.980	240	302924	40.00	ppm	0.03
93) Perylene-d12	12.588	264	293705	40.00	ppm	0.03
103) 1,4-Dichlorobenzene-d4a	4.580	152	79142	40.00	ppm	0.00
105) Acenaphthene-d10a	6.610	164	156346	40.00	ppm	0.00
107) Chrysene-d12a	10.980	240	305060m	40.00	ppm	0.03
109) Phenanthrene-d10a	7.972	188	257270	40.00	ppm	0.00
111) Naphthalene-d8a	5.376	136	288286	40.00	ppm	0.00
113) Chrysene-d12b	10.980	240	302924	40.00	ppm	0.03
115) Naphthalene-d8b	5.376	136	288286	40.00	ppm	0.00
118) Naphthalene-d8c	5.376	136	288286	40.00	ppm	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.768	112	72388	33.28	ppm	0.01
Spiked Amount 50.000			Recovery =	66.56%		
8) Phenol-d5	4.350	99	87768	30.67	ppm	0.00
Spiked Amount 50.000			Recovery =	61.34%		
25) Nitrobenzene-d5	4.922	82	83489	32.70	ppm	0.00
Spiked Amount 50.000			Recovery =	65.40%		
51) 2-Fluorobiphenyl	6.086	172	186125	34.96	ppm	0.00
Spiked Amount 50.000			Recovery =	69.92%		
74) 2,4,6-Tribromophenol	7.299	330	22467	34.66	ppm	0.00
Spiked Amount 50.000			Recovery =	69.32%		
87) Terphenyl-d14	9.735	244	237381	31.50	ppm	0.00
Spiked Amount 50.000			Recovery =	63.00%		
108) 1-chlorooctadecane	0.000	57	0d	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
110) o-terphenyl	0.000	230	0d	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
38) Naphthalene	5.386	128	16634	2.2068	ppm	98
44) 2-Methylnaphthalene	5.835	141	10959	2.4007	ppm	97
45) 1-Methylnaphthalene	5.904	142	12321	2.5443	ppm	96
56) Acenaphthylene	6.503	152	100234	15.7265	ppm	98
59) Acenaphthene	6.636	153	64305	13.2036	ppm	96
66) Fluorene	7.074	166	89519m	16.9696	ppm	
78) Phenanthrene	7.999	178	1140350	158.3608	ppm	99
79) Anthracene	8.052	178	382733	54.0677	ppm	99
82) Fluoranthene	9.302	202	2488950	318.7223	ppm	98
86) Pyrene	9.559	202	2368863	222.2535	ppm	97
89) Benzo[a]anthracene	10.969	228	1317029	133.7206	ppm	98
91) Chrysene	11.012	228	1081073	113.8477	ppm	97
95) Benzo[b]fluoranthene	12.187	252	1551276m	170.6321	ppm	
96) Benzo[k]fluoranthene	12.214	252	479009m	55.5676	ppm	
97) Benzo[a]pyrene	12.534	252	1109672	144.3744	ppm	99
98) Indeno[1,2,3-cd]pyrene	13.848	276	608240	59.4313	ppm	99
100) Dibenz[a,h]anthracene	13.854	278	149639	18.0289	ppm	91
102) Benzo[g,h,i]perylene	14.212	276	571379	73.7387	ppm	98

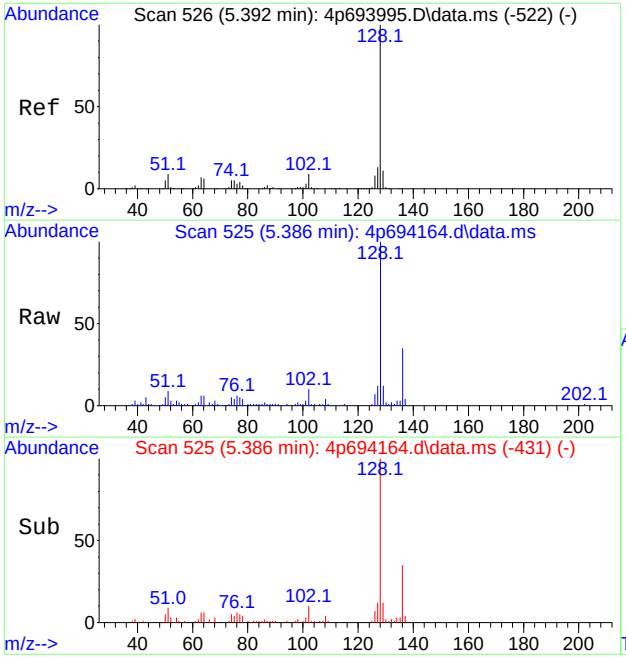
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\recheleb\E4P3703\
Data File : 4p694164.d
Acq On : 6 Dec 2024 9:02 pm
Operator : kaleigh
Sample : je1542-12 Inst : GCMS4P
Misc : op59876,e4p3703,30.2,,,1,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 08 10:47:50 2024
Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Sun Dec 08 08:17:46 2024
Response via : Initial Calibration

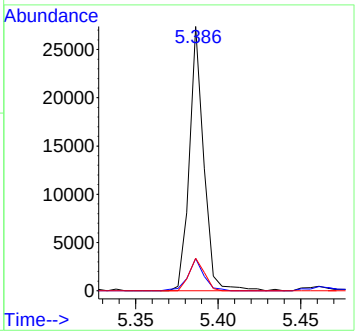


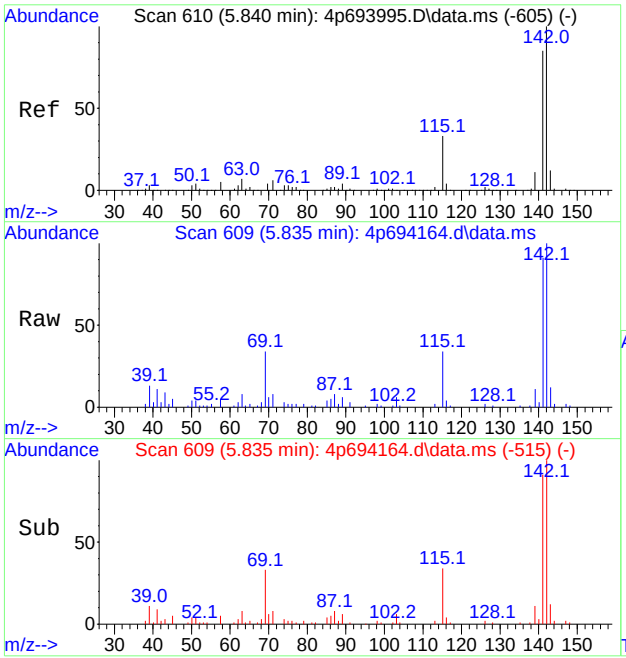


#38
Naphthalene
Concen: 2.2068 ppm
RT: 5.386 min Scan# 525
Delta R.T. -0.000 min
Lab File: 4p694164.d
Acq: 6 Dec 2024 9:02 pm

Tgt Ion:128 Resp: 16634

Ion	Ratio	Lower	Upper
128	100		
129	12.2	0.0	40.8
127	12.3	0.0	42.7

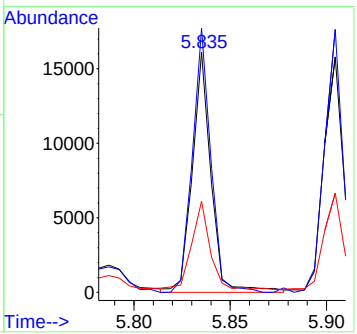


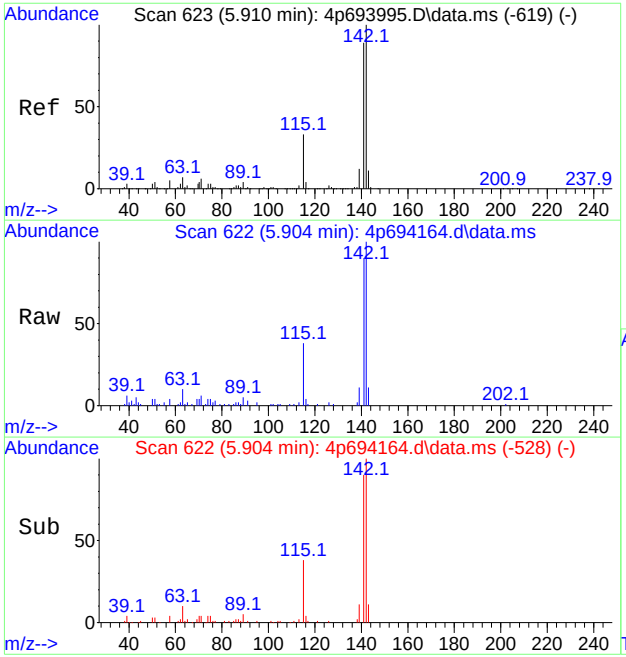


#44
2-Methylnaphthalene
Concen: 2.4007 ppm
RT: 5.835 min Scan# 609
Delta R.T. -0.000 min
Lab File: 4p694164.d
Acq: 6 Dec 2024 9:02 pm

Tgt Ion:141 Resp: 10959

Ion	Ratio	Lower	Upper
141	100		
142	110.5	84.2	144.2
115	36.8	7.8	67.8

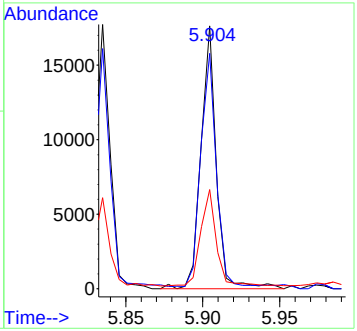


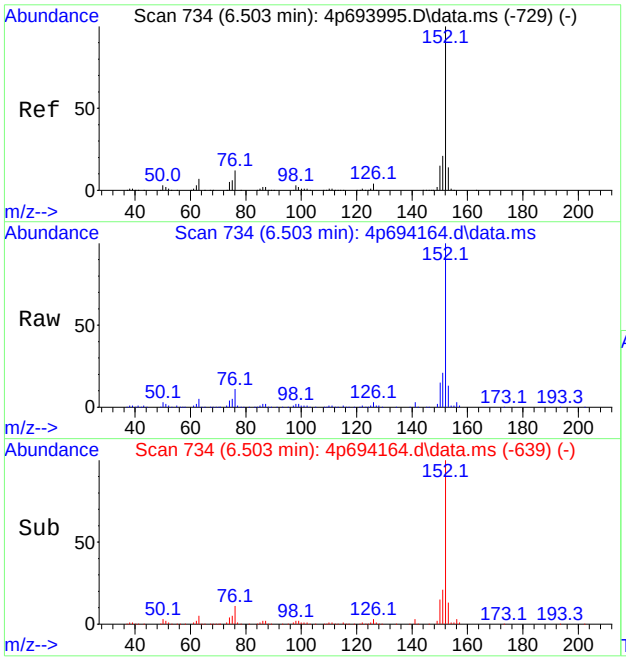


#45
1-Methylnaphthalene
Concen: 2.5443 ppm
RT: 5.904 min Scan# 622
Delta R.T. -0.000 min
Lab File: 4p694164.d
Acq: 6 Dec 2024 9:02 pm

Tgt Ion:142 Resp: 12321

Ion	Ratio	Lower	Upper
142	100		
141	88.0	55.0	115.0
115	36.7	3.5	63.5

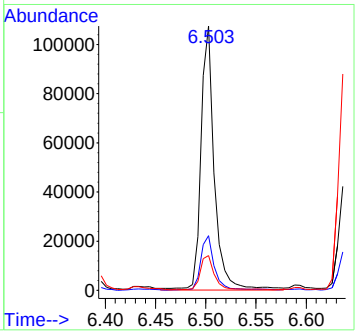


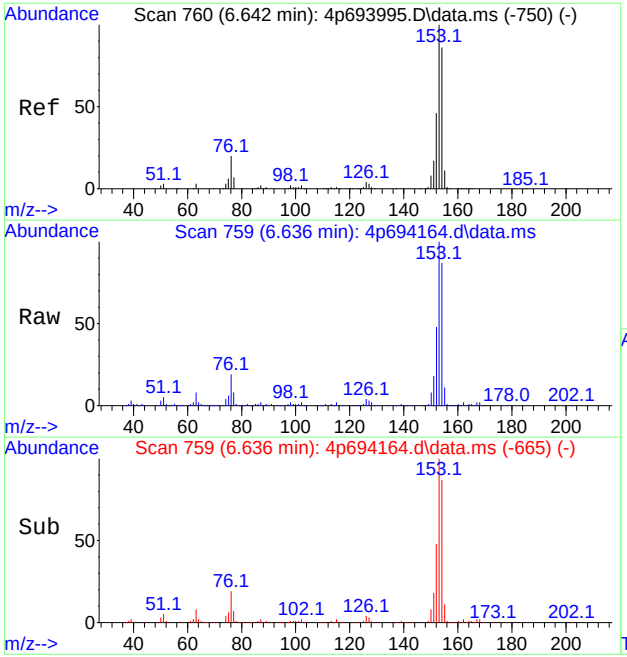


#56
Acenaphthylene
Concen: 15.7265 ppm
RT: 6.503 min Scan# 734
Delta R.T. 0.005 min
Lab File: 4p694164.d
Acq: 6 Dec 2024 9:02 pm

Tgt Ion:152 Resp: 100234

Ion	Ratio	Lower	Upper
152	100		
151	20.6	0.0	51.0
153	12.7	0.0	44.1

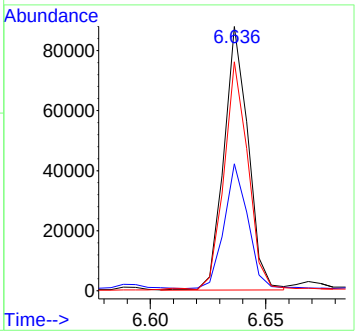


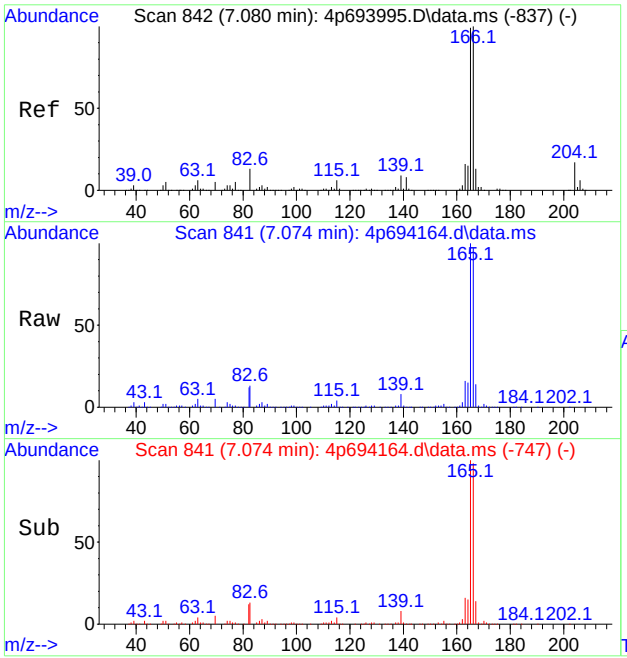


#59
Acenaphthene
Concen: 13.2036 ppm
RT: 6.636 min Scan# 759
Delta R.T. -0.000 min
Lab File: 4p694164.d
Acq: 6 Dec 2024 9:02 pm

Tgt Ion:153 Resp: 64305

Ion	Ratio	Lower	Upper
153	100		
152	47.2	17.0	77.0
154	86.6	51.7	111.7

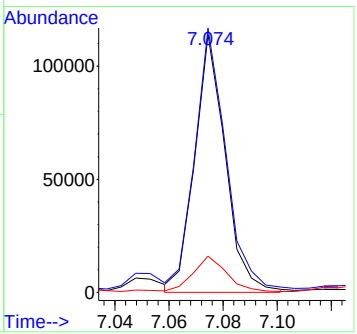


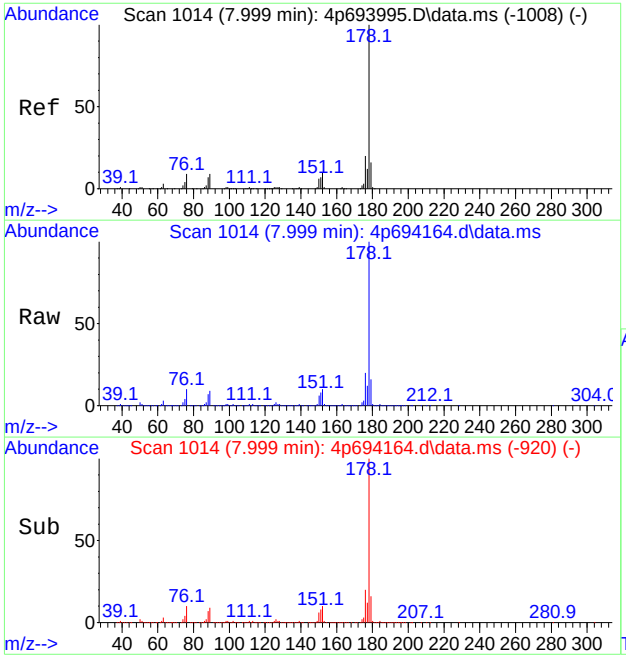


#66
Fluorene
Concen: 16.9696 ppm m
RT: 7.074 min Scan# 841
Delta R.T. -0.000 min
Lab File: 4p694164.d
Acq: 6 Dec 2024 9:02 pm

Tgt Ion:166 Resp: 89519

Ion	Ratio	Lower	Upper
166	100		
165	102.6	70.1	130.1
167	14.1	0.0	43.7

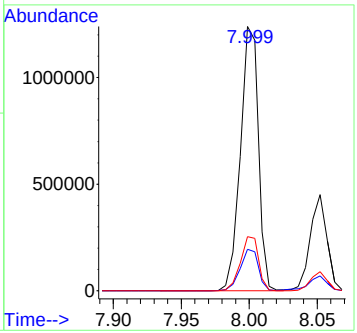


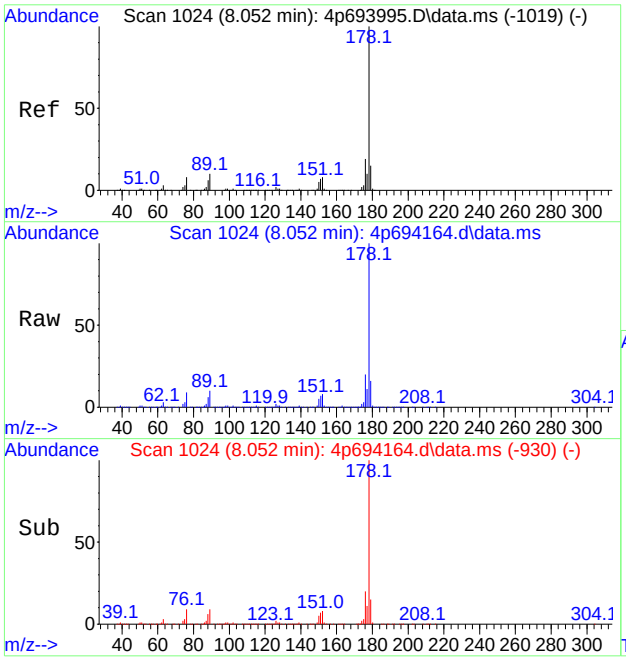


#78
Phenanthrene
Concen: 158.3608 ppm
RT: 7.999 min Scan# 1014
Delta R.T. -0.000 min
Lab File: 4p694164.d
Acq: 6 Dec 2024 9:02 pm

Tgt Ion:178 Resp: 1140350

Ion	Ratio	Lower	Upper
178	100		
179	15.6	0.0	45.1
176	20.5	0.0	49.7

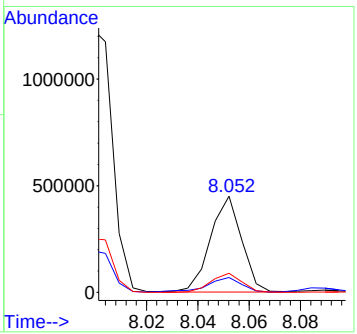


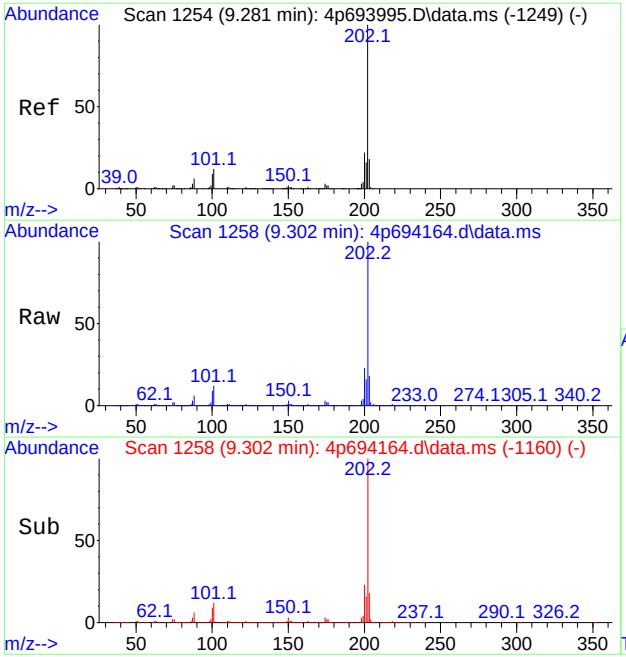


#79
Anthracene
Concen: 54.0677 ppm
RT: 8.052 min Scan# 1024
Delta R.T. -0.000 min
Lab File: 4p694164.d
Acq: 6 Dec 2024 9:02 pm

Tgt Ion:178 Resp: 382733

Ion	Ratio	Lower	Upper
178	100		
179	15.0	0.0	45.3
176	19.9	0.0	49.3

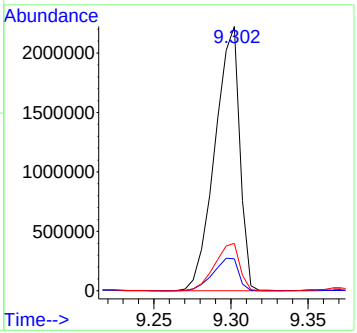


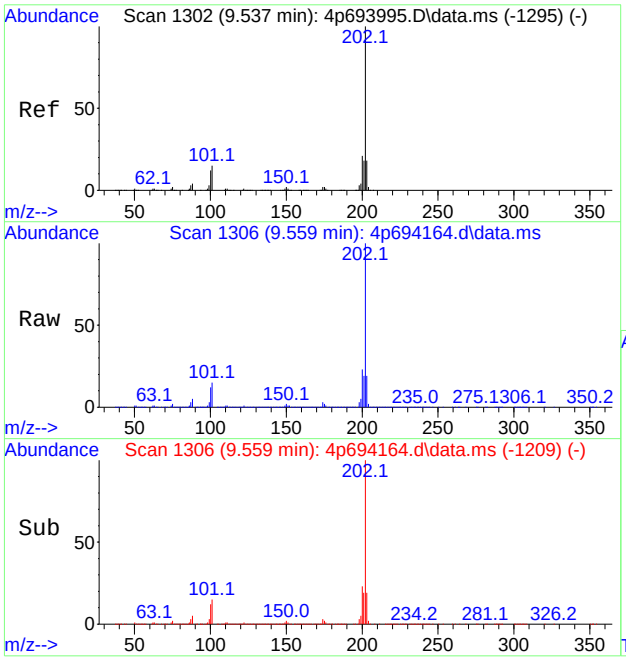


#82
Fluoranthene
Concen: 318.7223 ppm
RT: 9.302 min Scan# 1258
Delta R.T. 0.021 min
Lab File: 4p694164.d
Acq: 6 Dec 2024 9:02 pm

Tgt Ion:202 Resp: 2488950

Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	43.3
203	17.9	0.0	48.2

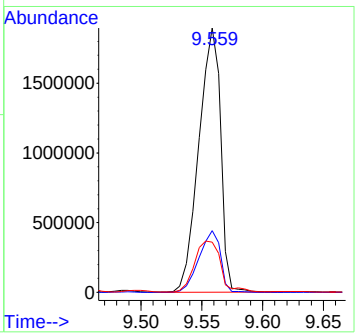


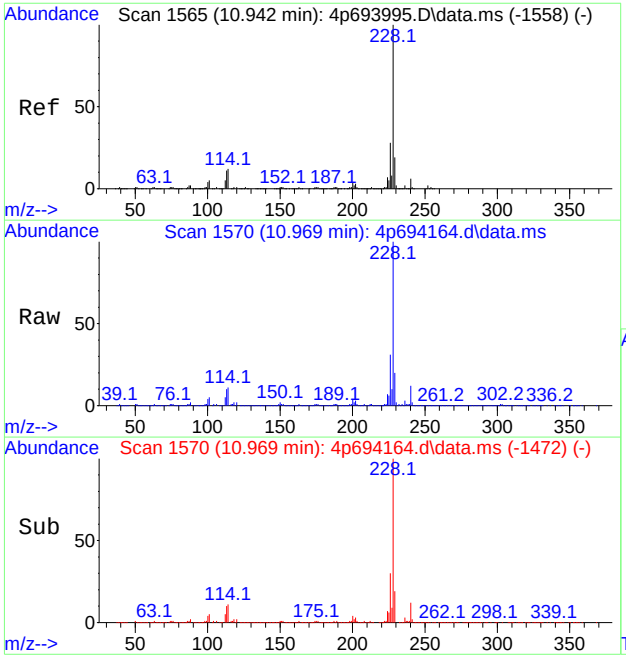


#86
Pyrene
Concen: 222.2535 ppm
RT: 9.559 min Scan# 1306
Delta R.T. 0.016 min
Lab File: 4p694164.d
Acq: 6 Dec 2024 9:02 pm

Tgt Ion:202 Resp: 2368863

Ion	Ratio	Lower	Upper
202	100		
200	23.4	0.0	52.1
203	18.8	0.0	47.5

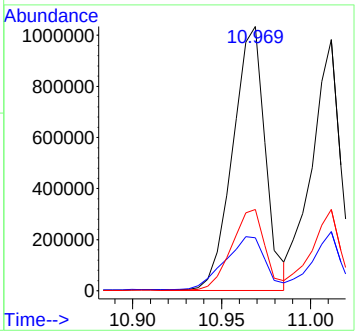


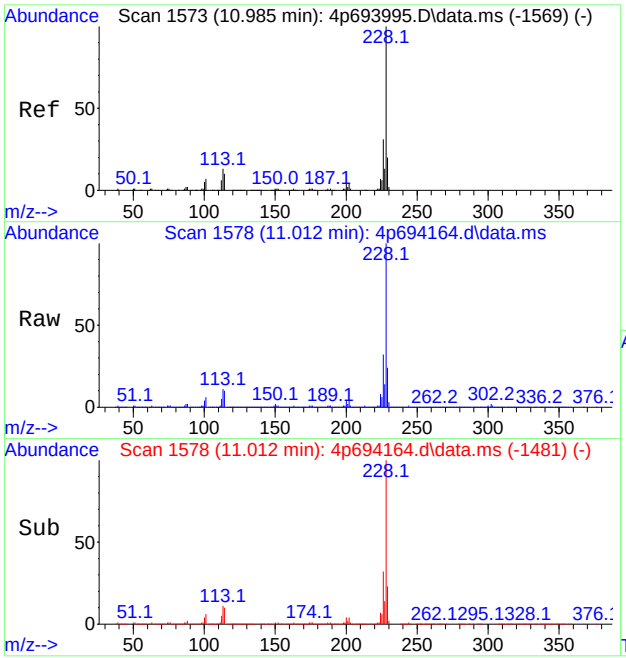


#89
Benzo[a]anthracene
Concen: 133.7206 ppm
RT: 10.969 min Scan# 1570
Delta R.T. 0.021 min
Lab File: 4p694164.d
Acq: 6 Dec 2024 9:02 pm

Tgt Ion:228 Resp: 1317029

Ion	Ratio	Lower	Upper
228	100		
229	19.4	0.0	49.7
226	30.5	0.0	58.6

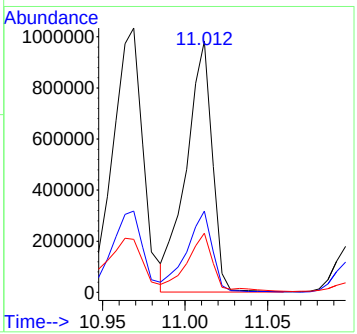


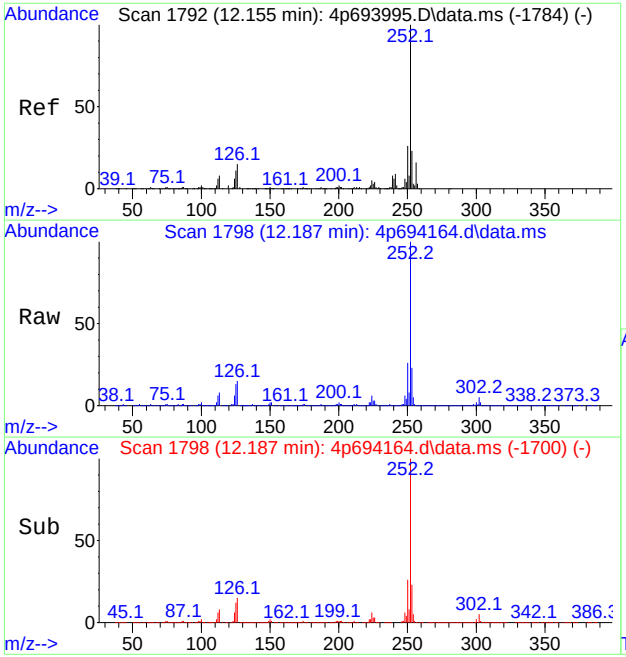


#91
Chrysene
Concen: 113.8477 ppm
RT: 11.012 min Scan# 1578
Delta R.T. 0.016 min
Lab File: 4p694164.d
Acq: 6 Dec 2024 9:02 pm

Tgt Ion:228 Resp: 1081073

Ion	Ratio	Lower	Upper
228	100		
226	32.1	1.6	61.6
229	23.1	0.0	50.0

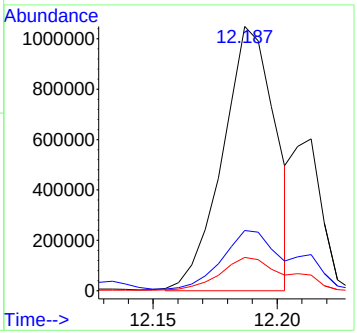


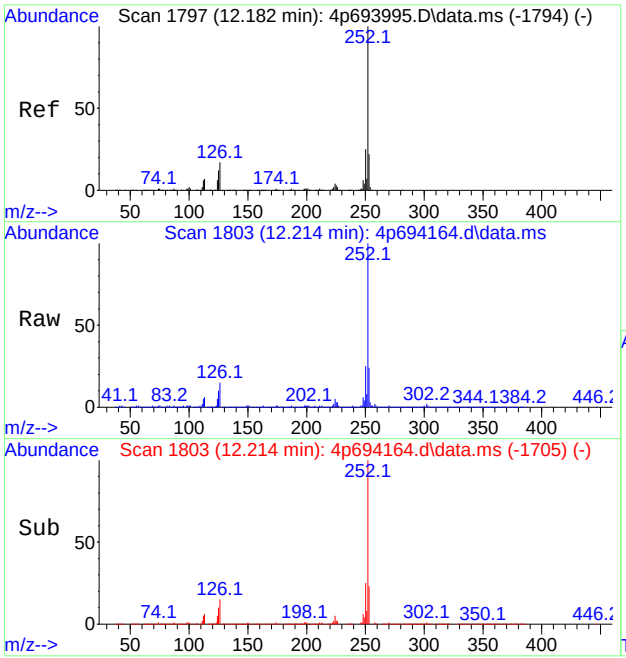


#95
Benzo[b]fluoranthene
Concen: 170.6321 ppm m
RT: 12.187 min Scan# 1798
Delta R.T. 0.021 min
Lab File: 4p694164.d
Acq: 6 Dec 2024 9:02 pm

Tgt Ion:252 Resp: 1551276

Ion	Ratio	Lower	Upper
252	100		
253	22.8	0.0	52.2
125	12.6	0.0	41.9

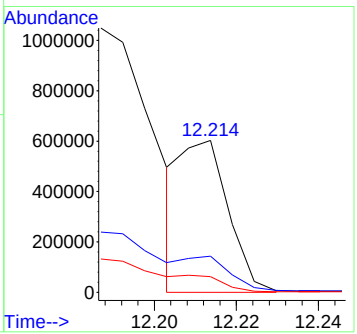


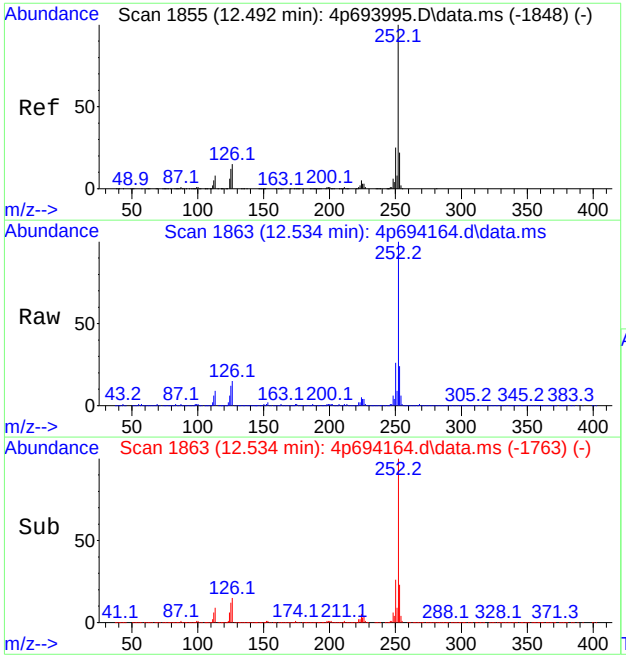


#96
Benzo[k]fluoranthene
Concen: 55.5676 ppm m
RT: 12.214 min Scan# 1803
Delta R.T. 0.021 min
Lab File: 4p694164.d
Acq: 6 Dec 2024 9:02 pm

Tgt Ion:252 Resp: 479009

Ion	Ratio	Lower	Upper
252	100		
253	23.8	0.0	51.9
125	10.3	0.0	41.8

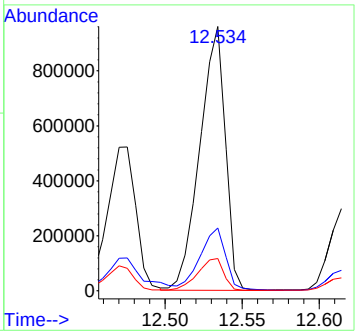


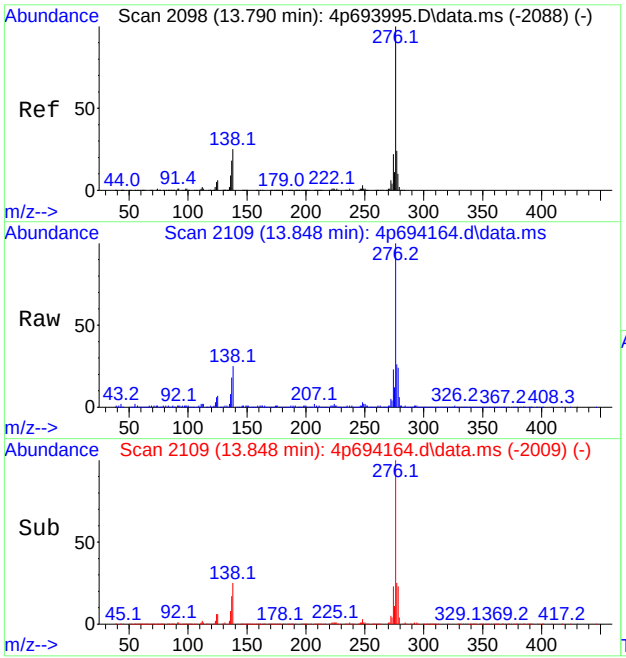


#97
Benzo[a]pyrene
Concen: 144.3744 ppm
RT: 12.534 min Scan# 1863
Delta R.T. 0.032 min
Lab File: 4p694164.d
Acq: 6 Dec 2024 9:02 pm

Tgt Ion:252 Resp: 1109672

Ion	Ratio	Lower	Upper
252	100		
253	22.2	0.0	52.0
125	12.0	0.0	43.3

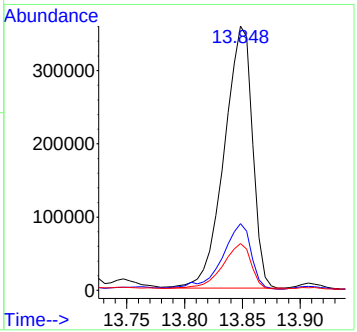


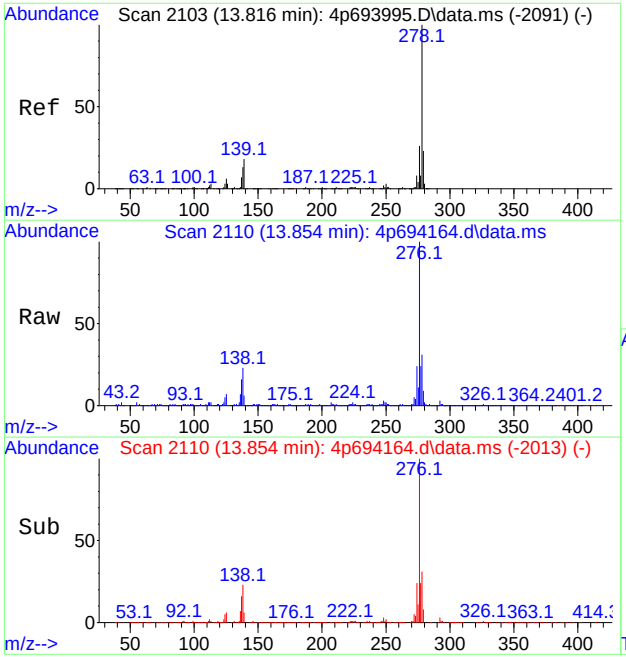


#98
Indeno[1,2,3-cd]pyrene
Concen: 59.4313 ppm
RT: 13.848 min Scan# 2109
Delta R.T. 0.032 min
Lab File: 4p694164.d
Acq: 6 Dec 2024 9:02 pm

Tgt Ion:276 Resp: 608240

Ion	Ratio	Lower	Upper
276	100		
138	24.8	0.0	55.0
137	17.2	0.0	47.6

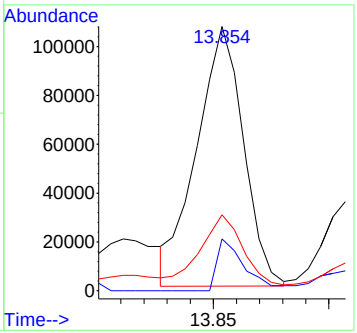


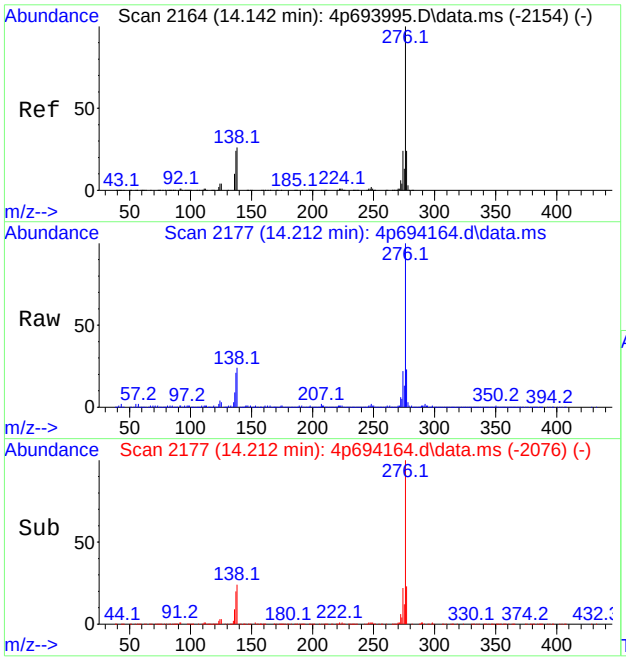


#100
Dibenz[a,h]anthracene
Concen: 18.0289 ppm
RT: 13.854 min Scan# 2110
Delta R.T. 0.016 min
Lab File: 4p694164.d
Acq: 6 Dec 2024 9:02 pm

Tgt Ion:278 Resp: 149639

Ion	Ratio	Lower	Upper
278	100		
139	20.7	0.0	48.0
279	27.9	0.0	52.2

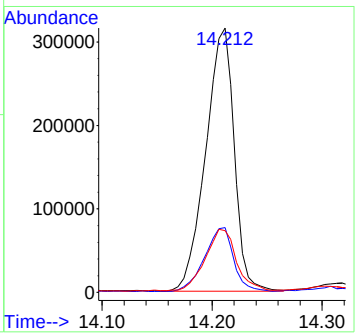




#102
Benzo[g,h,i]perylene
Concen: 73.7387 ppm
RT: 14.212 min Scan# 2177
Delta R.T. 0.037 min
Lab File: 4p694164.d
Acq: 6 Dec 2024 9:02 pm

Tgt Ion:276 Resp: 571379

Ion	Ratio	Lower	Upper
276	100		
138	24.1	0.0	55.7
277	22.7	0.0	53.4



Manual Integrations APPROVED (compounds with "m" flag)
Jacky Takeuchi 12/09/24 22:18

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-09\ECT471\
Data File : ct10204.D
Acq On : 09 Dec 2024 01:44 pm
Operator : kaleigh
Sample : je1542-12 Inst : GCMS_CT
Misc : op59876,ect471,30.2,,,1,5
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Dec 09 19:15:44 2024
Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\mct443.m
Quant Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuWed Aug 10 17:05:37 2022
QLast Update : Mon Dec 09 16:31:56 2024
Response via : Initial Calibration

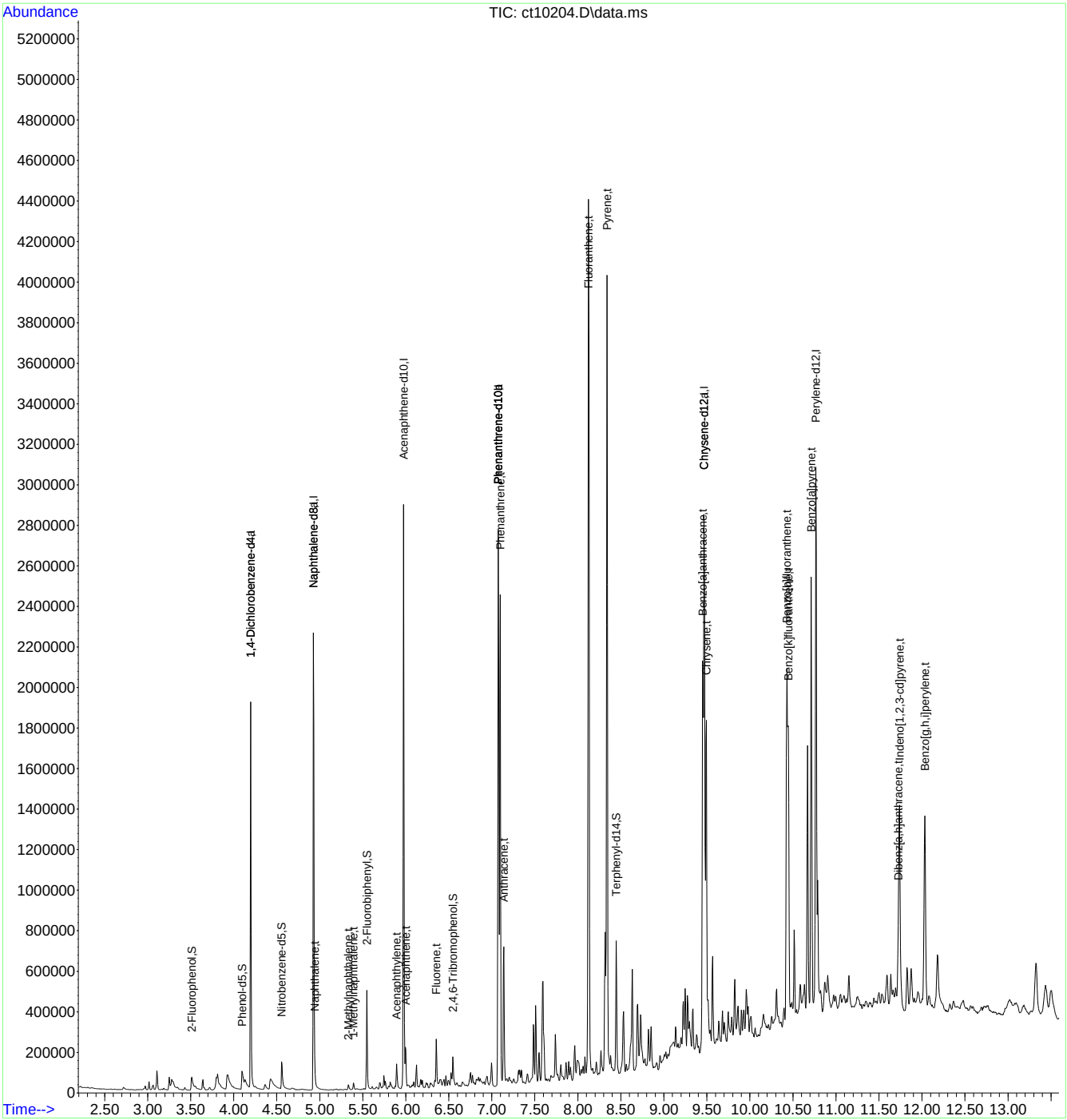
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.198	152	206367	40.00	ppm	0.00
24) Naphthalene-d8	4.926	136	818683	40.00	ppm	0.00
46) Acenaphthene-d10	5.974	164	449658	40.00	ppm	0.00
69) Phenanthrene-d10	7.076	188	769906	40.00	ppm	-0.01
84) Chrysene-d12	9.467	240	710565	40.00	ppm	-0.01
93) Perylene-d12	10.766	264	820616	40.00	ppm	-0.01
103) 1,4-Dichlorobenzene-d4a	4.198	152	206367	40.00	ppm	0.00
105) Phenanthrene-d10a	7.076	188	769906	40.00	ppm	-0.01
107) Naphthalene-d8a	4.926	136	818683	40.00	ppm	0.00
109) Phenanthrene-d10b	7.076	188	769906	40.00	ppm	-0.01
112) Chrysene-d12a	9.467	240	710565	40.00	ppm	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	3.514	112	36551	5.56	ppm	0.02
Spiked Amount 50.000			Recovery =	11.12%		
8) Phenol-d5	4.097	99	50324	5.90	ppm	0.02
Spiked Amount 50.000			Recovery =	11.80%		
25) Nitrobenzene-d5	4.557	82	48969	6.27	ppm	0.00
Spiked Amount 50.000			Recovery =	12.54%		
51) 2-Fluorobiphenyl	5.546	172	110804	7.72	ppm	0.00
Spiked Amount 50.000			Recovery =	15.44%		
74) 2,4,6-Tribromophenol	6.546	330	13234	7.37	ppm	0.00
Spiked Amount 50.000			Recovery =	14.74%		
87) Terphenyl-d14	8.445	244	129690	7.02	ppm	-0.01
Spiked Amount 50.000			Recovery =	14.04%		
110) 1-chlorooctadecane	0.000	57	0d	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
111) o-terphenyl	0.000	230	0	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
38) Naphthalene	4.942	128	10369	0.4877	ppm	97
44) 2-Methylnaphthalene	5.332	141	6446	0.4936	ppm	94
45) 1-Methylnaphthalene	5.391	141	7089	0.5602	ppm	97
56) Acenaphthylene	5.894	152	52519	3.2500	ppm	99
59) Acenaphthene	6.001	153	42306	3.0594	ppm	92
66) Fluorene	6.354	166	60077	3.9773	ppm	98
78) Phenanthrene	7.097	178	748290	36.1369	ppm	99
79) Anthracene	7.140	178	237238	11.9559	ppm	98
82) Fluoranthene	8.124	202	1470733	67.2851	ppm	97
86) Pyrene	8.338	202	1317327	51.0680	ppm	99
89) Benzo[a]anthracene	9.451	228	646958	26.7364	ppm	96
91) Chrysene	9.493	228	562808	24.2223	ppm	98
95) Benzo[b]fluoranthene	10.429	252	750512m	29.4267	ppm	
96) Benzo[k]fluoranthene	10.445	252	349772m	15.7632	ppm	
97) Benzo[a]pyrene	10.713	252	651075	30.9618	ppm	98
98) Indeno[1,2,3-cd]pyrene	11.740	276	441620	15.9878	ppm	94
100) Dibenz[a,h]anthracene	11.724	278	109241	4.9156	ppm	97
102) Benzo[g,h,i]perylene	12.034	276	427697	19.3929	ppm	97

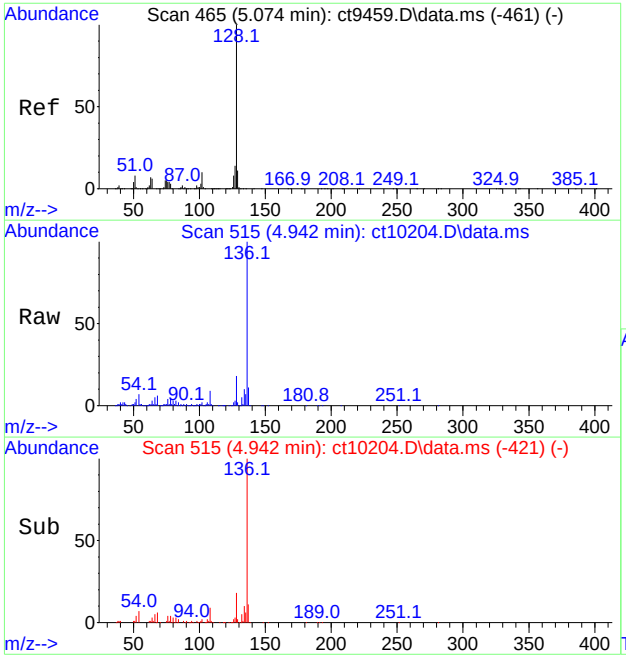
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-09\ECT471\
Data File : ct10204.D
Acq On : 09 Dec 2024 01:44 pm
Operator : kaleigh
Sample : je1542-12 Inst : GCMS_CT
Misc : op59876,ect471,30.2,,,1,5
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Dec 09 19:15:44 2024
Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\mct443.m
Quant Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuWed Aug 10 17:05:37 2022
QLast Update : Mon Dec 09 16:31:56 2024
Response via : Initial Calibration

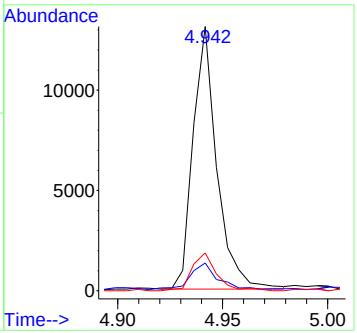


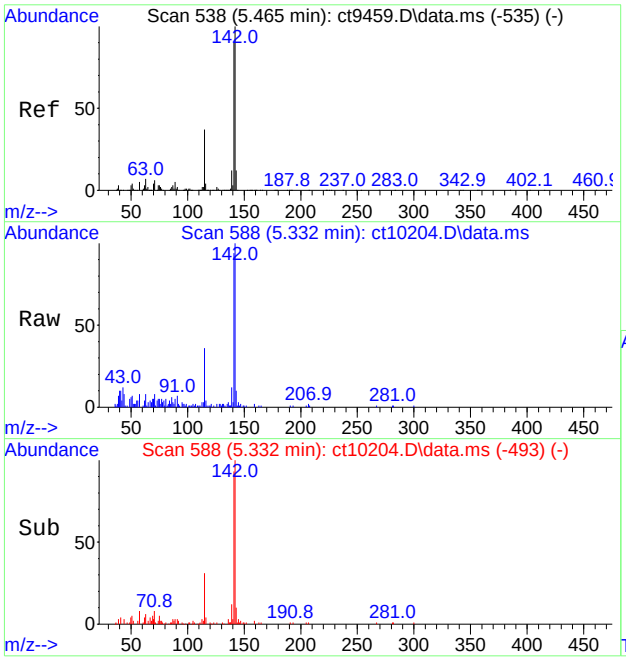


#38
Naphthalene
Concen: 0.4877 ppm
RT: 4.942 min Scan# 515
Delta R.T. 0.005 min
Lab File: ct10204.D
Acq: 09 Dec 2024 01:44 pm

Tgt Ion:128 Resp: 10369

Ion	Ratio	Lower	Upper
128	100		
129	9.7	0.0	41.0
127	14.5	0.0	43.5

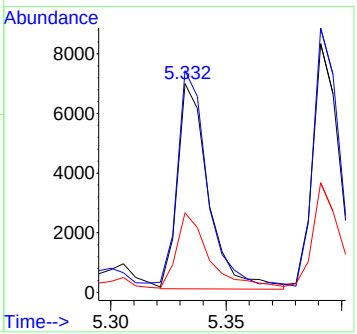


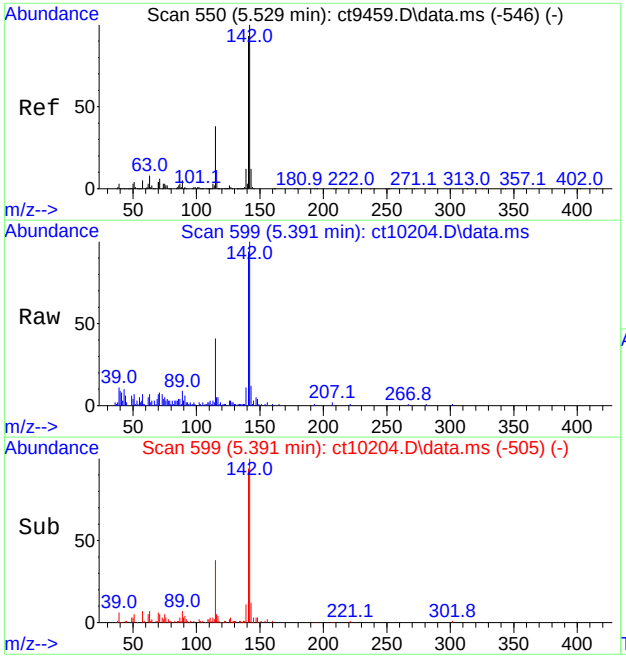


#44
2-Methylnaphthalene
Concen: 0.4936 ppm
RT: 5.332 min Scan# 588
Delta R.T. 0.011 min
Lab File: ct10204.D
Acq: 09 Dec 2024 01:44 pm

Tgt Ion:141 Resp: 6446

Ion	Ratio	Lower	Upper
141	100		
142	105.1	82.7	142.7
115	37.0	8.7	68.7

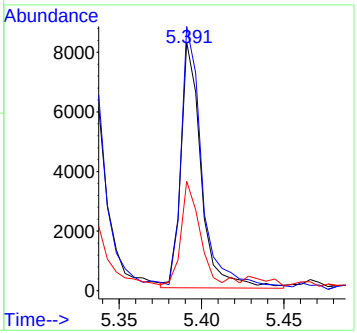


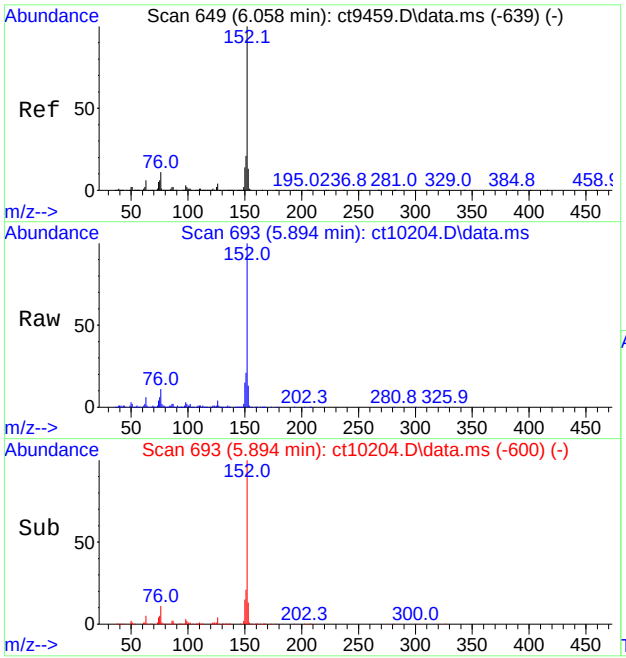


#45
1-Methylnaphthalene
Concen: 0.5602 ppm
RT: 5.391 min Scan# 599
Delta R.T. 0.005 min
Lab File: ct10204.D
Acq: 09 Dec 2024 01:44 pm

Tgt Ion:141 Resp: 7089

Ion	Ratio	Lower	Upper
141	100		
142	106.7	76.3	136.3
115	43.1	6.9	66.9

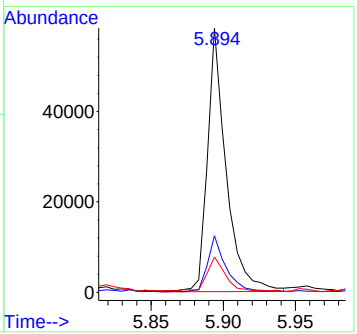


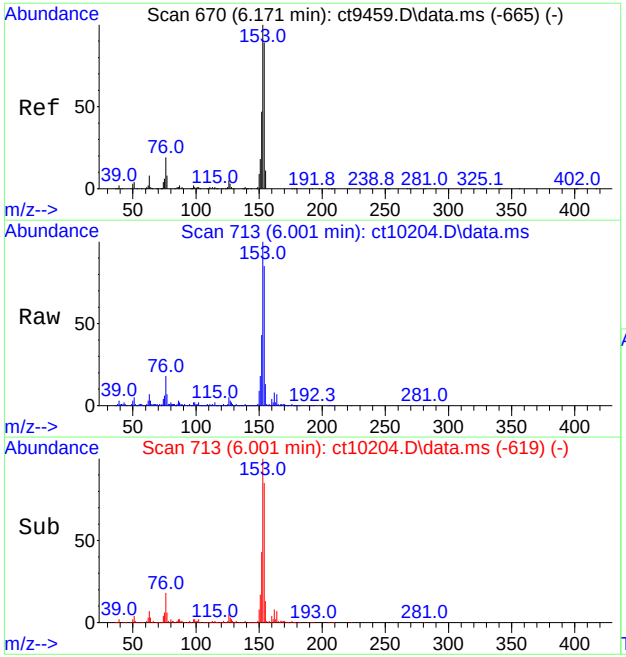


#56
Acenaphthylene
Concen: 3.2500 ppm
RT: 5.894 min Scan# 693
Delta R.T. -0.000 min
Lab File: ct10204.D
Acq: 09 Dec 2024 01:44 pm

Tgt Ion:152 Resp: 52519

Ion	Ratio	Lower	Upper
152	100		
151	21.3	0.0	50.7
153	13.1	0.0	43.0

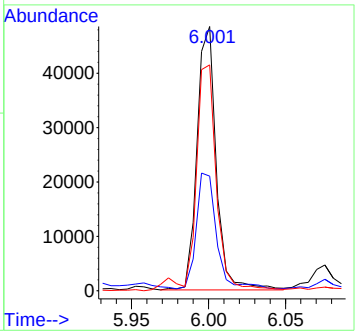


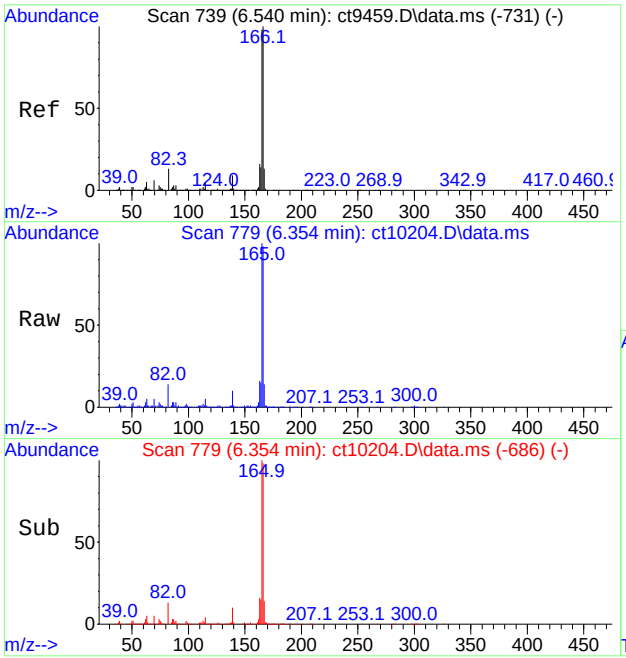


#59
Acenaphthene
Concen: 3.0594 ppm
RT: 6.001 min Scan# 713
Delta R.T. 0.005 min
Lab File: ct10204.D
Acq: 09 Dec 2024 01:44 pm

Tgt Ion:153 Resp: 42306

Ion	Ratio	Lower	Upper
153	100		
152	42.4	16.6	76.6
154	84.5	47.2	107.2

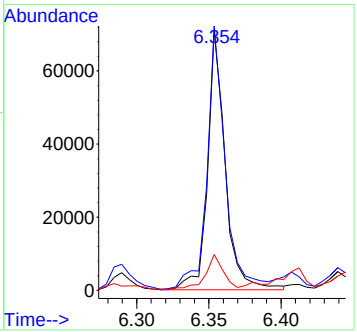


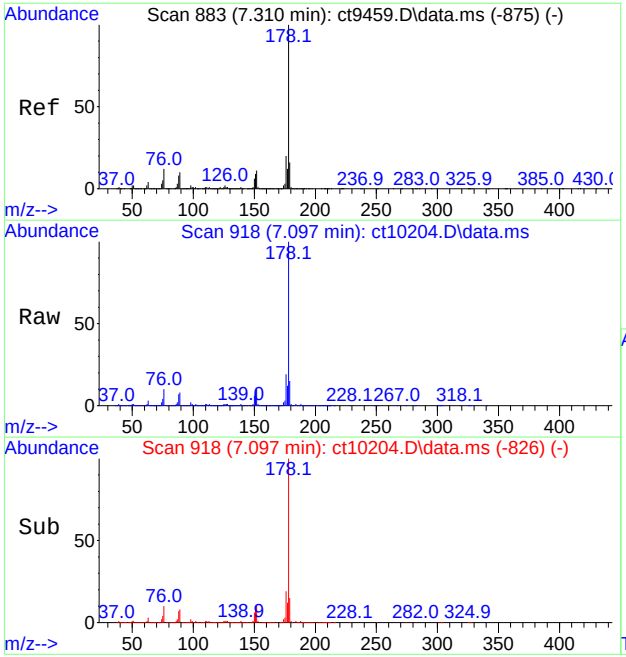


#66
Fluorene
Concen: 3.9773 ppm
RT: 6.354 min Scan# 779
Delta R.T. -0.000 min
Lab File: ct10204.D
Acq: 09 Dec 2024 01:44 pm

Tgt Ion:166 Resp: 60077

Ion	Ratio	Lower	Upper
166	100		
165	100.0	68.2	128.2
167	11.6	0.0	43.2

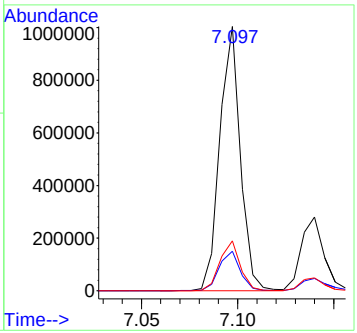


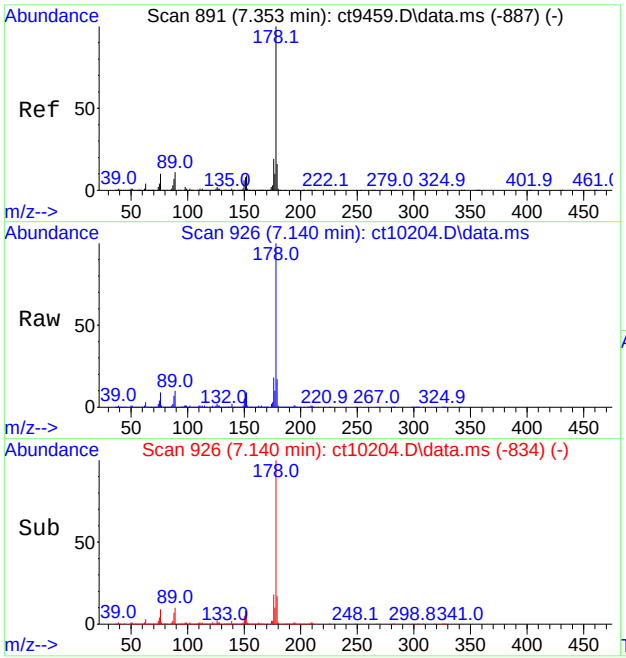


#78
Phenanthrene
Concen: 36.1369 ppm
RT: 7.097 min Scan# 918
Delta R.T. -0.006 min
Lab File: ct10204.D
Acq: 09 Dec 2024 01:44 pm

Tgt Ion:178 Resp: 748290

Ion	Ratio	Lower	Upper
178	100		
179	14.9	0.0	45.4
176	18.9	0.0	49.2

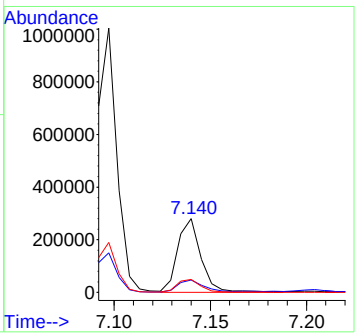


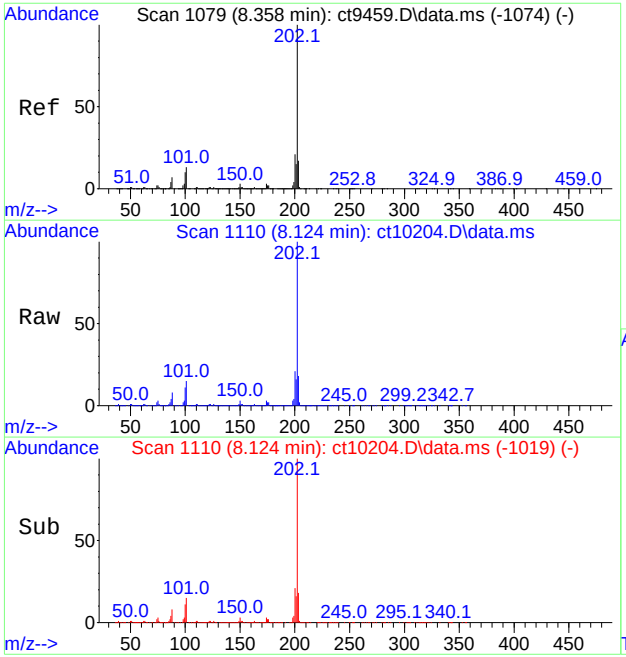


#79
Anthracene
Concen: 11.9559 ppm
RT: 7.140 min Scan# 926
Delta R.T. -0.006 min
Lab File: ct10204.D
Acq: 09 Dec 2024 01:44 pm

Tgt Ion:178 Resp: 237238

Ion	Ratio	Lower	Upper
178	100		
179	16.1	0.0	45.5
176	17.7	0.0	48.5

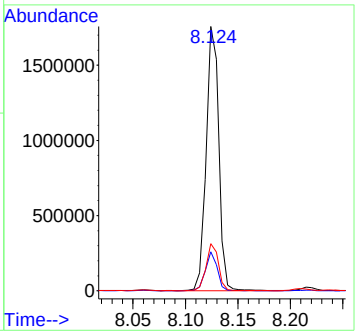


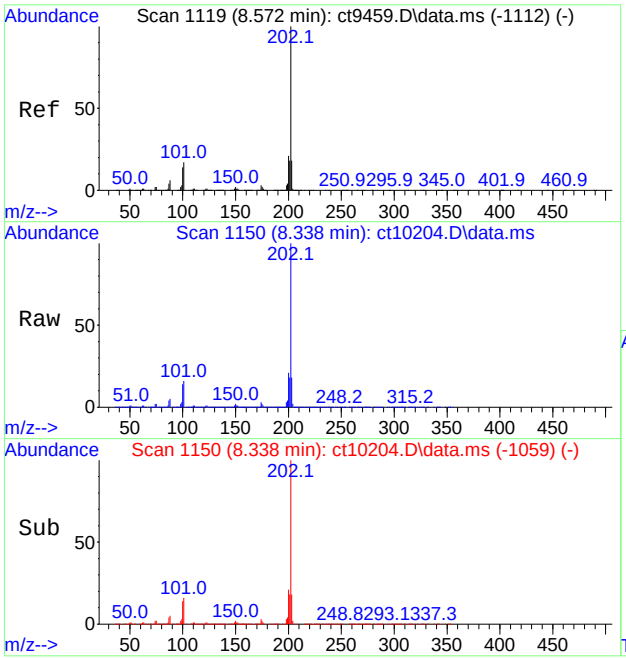


#82
Fluoranthene
Concen: 67.2851 ppm
RT: 8.124 min Scan# 1110
Delta R.T. -0.011 min
Lab File: ct10204.D
Acq: 09 Dec 2024 01:44 pm

Tgt Ion:202 Resp: 1470733

Ion	Ratio	Lower	Upper
202	100		
101	14.7	0.0	42.5
203	17.8	0.0	47.0

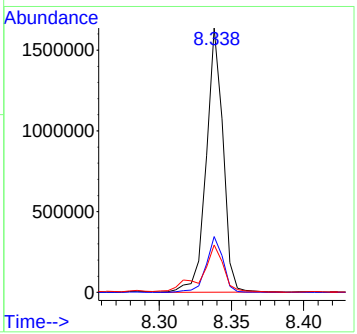


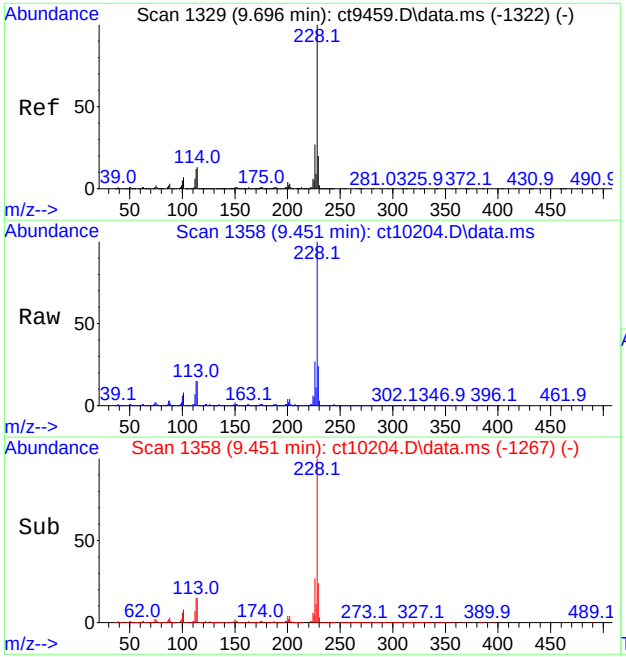


#86
Pyrene
Concen: 51.0680 ppm
RT: 8.338 min Scan# 1150
Delta R.T. -0.011 min
Lab File: ct10204.D
Acq: 09 Dec 2024 01:44 pm

Tgt Ion:202 Resp: 1317327

Ion	Ratio	Lower	Upper
202	100		
200	21.1	0.0	51.0
203	17.7	0.0	47.0

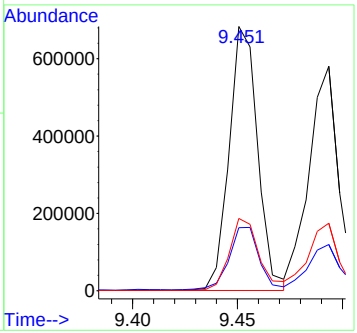


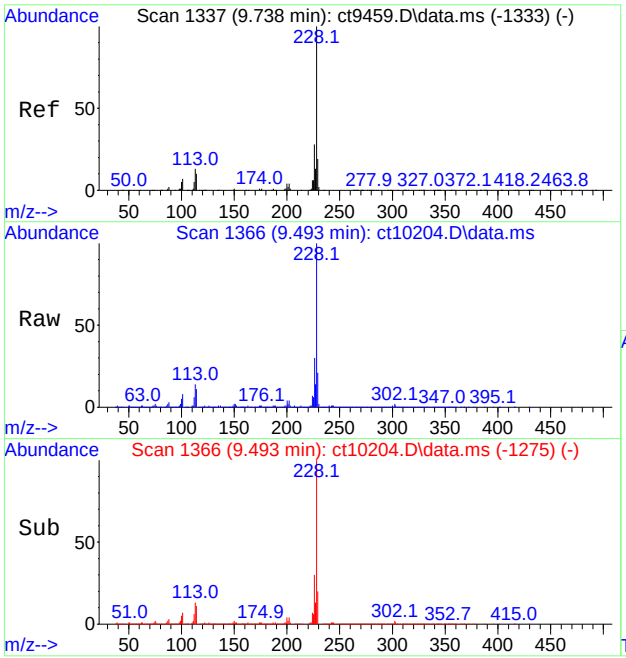


#89
Benzo[a]anthracene
Concen: 26.7364 ppm
RT: 9.451 min Scan# 1358
Delta R.T. -0.011 min
Lab File: ct10204.D
Acq: 09 Dec 2024 01:44 pm

Tgt Ion:228 Resp: 646958

Ion	Ratio	Lower	Upper
228	100		
229	23.4	0.0	49.5
226	26.1	0.0	56.0

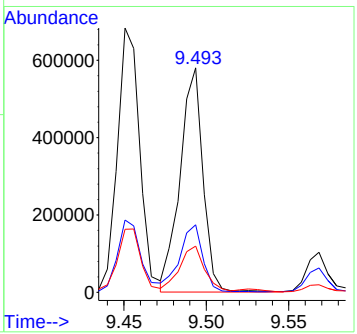


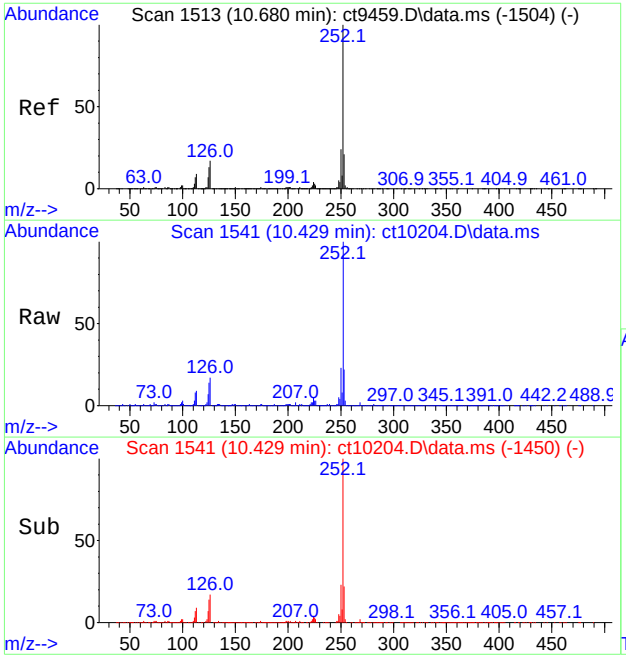


#91
Chrysene
Concen: 24.2223 ppm
RT: 9.493 min Scan# 1366
Delta R.T. -0.011 min
Lab File: ct10204.D
Acq: 09 Dec 2024 01:44 pm

Tgt Ion:228 Resp: 562808

Ion	Ratio	Lower	Upper
228	100		
226	28.7	0.0	59.4
229	20.1	0.0	49.1

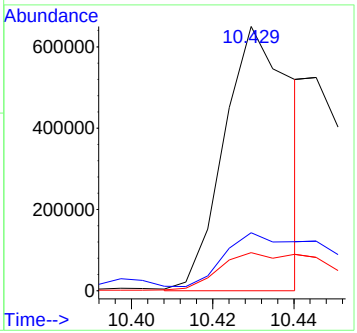


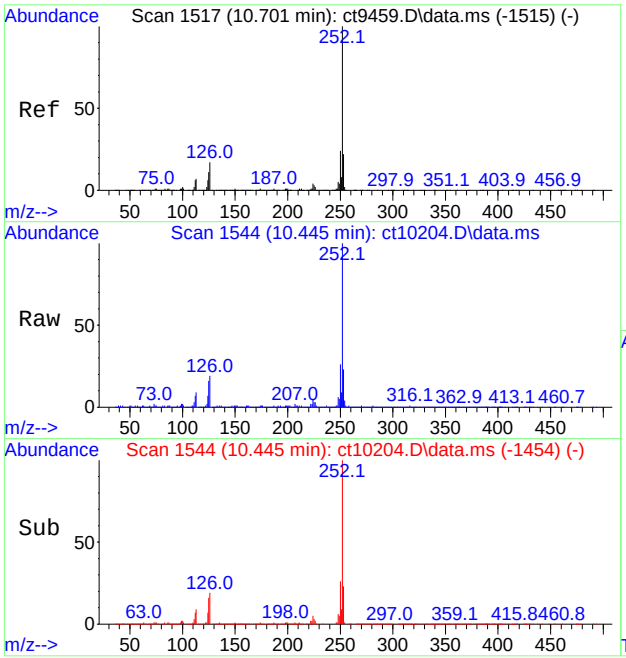


#95
Benzo[b]fluoranthene
Concen: 29.4267 ppm m
RT: 10.429 min Scan# 1541
Delta R.T. -0.011 min
Lab File: ct10204.D
Acq: 09 Dec 2024 01:44 pm

Tgt Ion:252 Resp: 750512

Ion	Ratio	Lower	Upper
252	100		
253	21.9	0.0	52.7
125	14.4	0.0	42.3

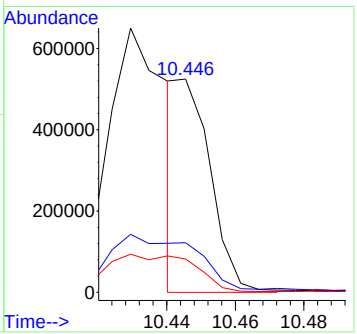


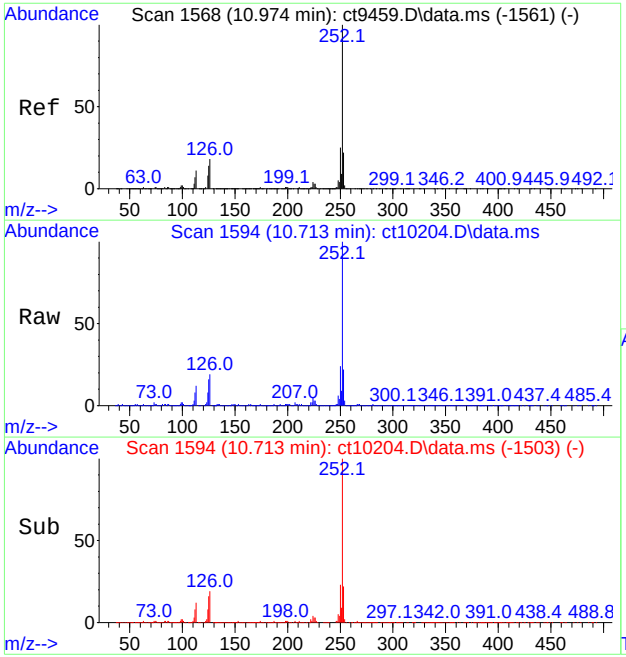


#96
Benzo[k]fluoranthene
Concen: 15.7632 ppm m
RT: 10.445 min Scan# 1544
Delta R.T. -0.016 min
Lab File: ct10204.D
Acq: 09 Dec 2024 01:44 pm

Tgt Ion:252 Resp: 349772

Ion	Ratio	Lower	Upper
252	100		
253	23.3	0.0	52.6
125	15.7	0.0	41.9

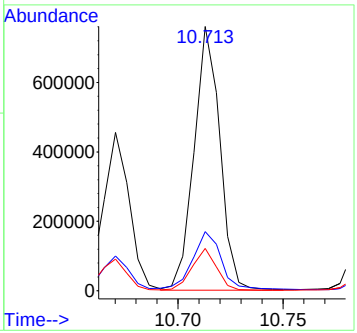


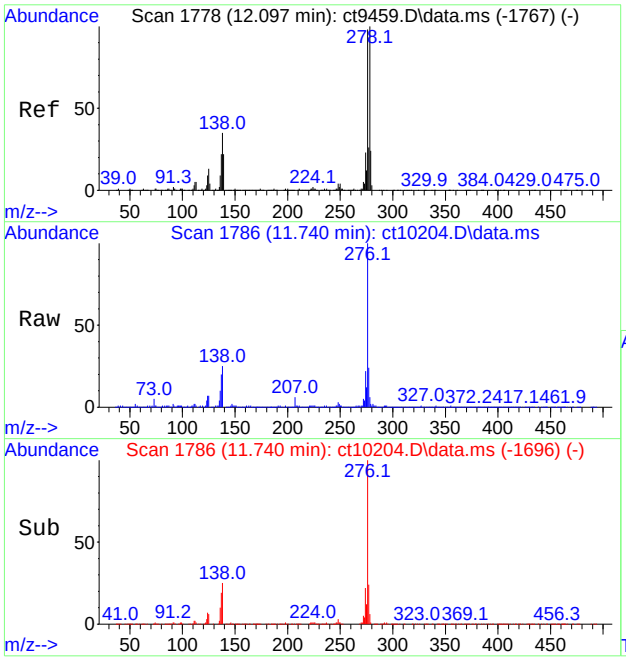


#97
Benzo[a]pyrene
Concen: 30.9618 ppm
RT: 10.713 min Scan# 1594
Delta R.T. -0.011 min
Lab File: ct10204.D
Acq: 09 Dec 2024 01:44 pm

Tgt Ion:252 Resp: 651075

Ion	Ratio	Lower	Upper
252	100		
253	21.7	0.0	51.1
125	15.8	0.0	44.2

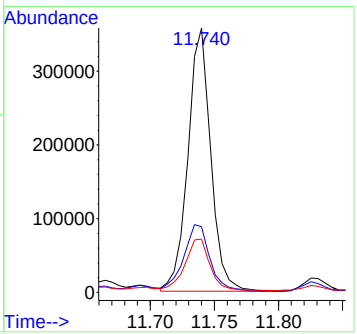


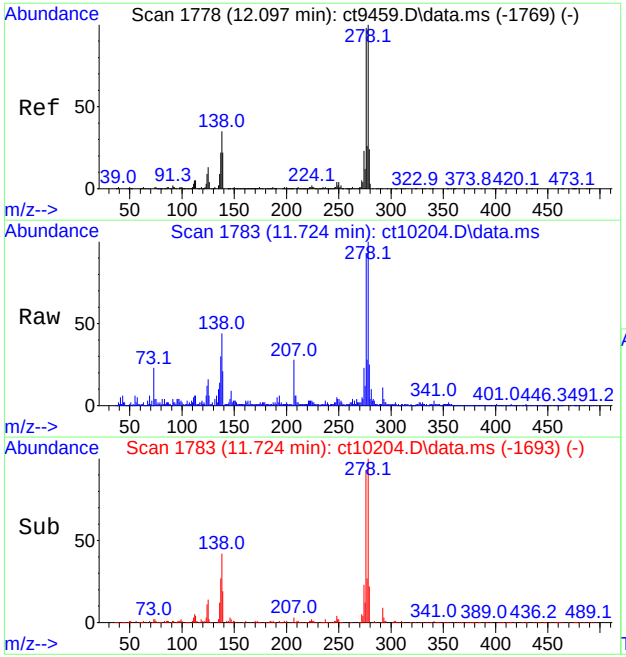


#98
Indeno[1,2,3-cd]pyrene
Concen: 15.9878 ppm
RT: 11.740 min Scan# 1786
Delta R.T. -0.016 min
Lab File: ct10204.D
Acq: 09 Dec 2024 01:44 pm

Tgt Ion:276 Resp: 441620

Ion	Ratio	Lower	Upper
276	100		
138	24.1	0.0	58.2
137	19.2	0.0	51.1

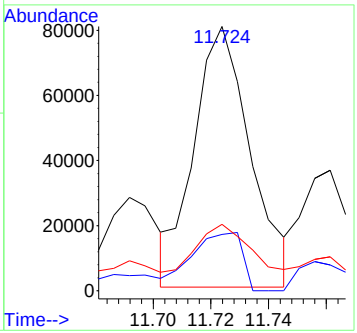


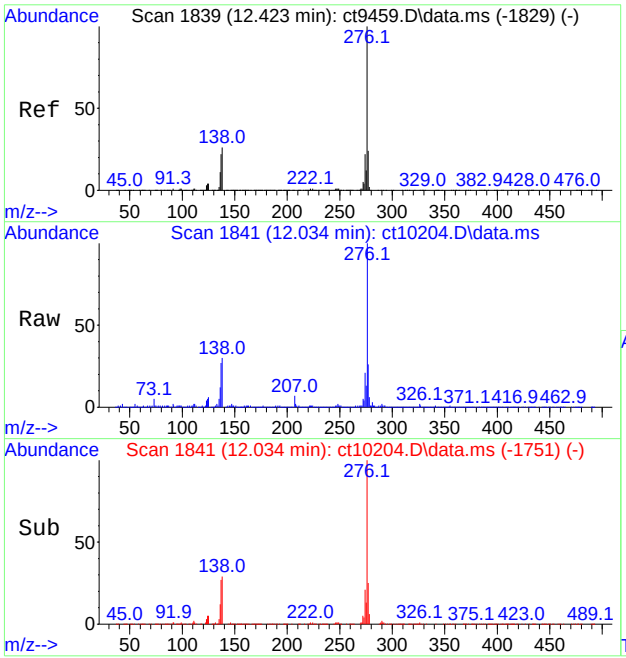


#100
Dibenz[a,h]anthracene
Concen: 4.9156 ppm
RT: 11.724 min Scan# 1783
Delta R.T. -0.016 min
Lab File: ct10204.D
Acq: 09 Dec 2024 01:44 pm

Tgt Ion:278 Resp: 109241

Ion	Ratio	Lower	Upper
278	100		
139	24.2	0.0	53.1
279	22.3	0.0	53.8

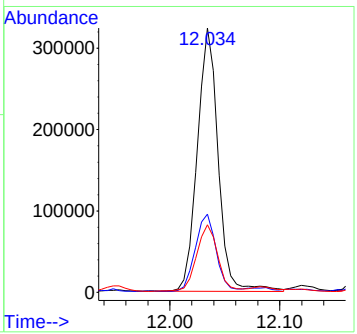




#102
Benzo[g,h,i]perylene
Concen: 19.3929 ppm
RT: 12.034 min Scan# 1841
Delta R.T. -0.016 min
Lab File: ct10204.D
Acq: 09 Dec 2024 01:44 pm

Tgt Ion:276 Resp: 427697

Ion	Ratio	Lower	Upper
276	100		
138	29.1	0.0	58.1
277	25.0	0.0	53.2



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694137.d
Acq On : 6 Dec 2024 10:23 am
Operator : kaleigh
Sample : op59876-mb1 Inst : GCMS4P
Misc : op59876,e4p3703,30.0,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 06 18:33:52 2024
Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Fri Dec 06 18:18:31 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.574	152	93151	40.00	ppm	0.00
24) Naphthalene-d8	5.370	136	352145	40.00	ppm	0.00
46) Acenaphthene-d10	6.610	164	199461	40.00	ppm	0.00
69) Phenanthrene-d10	7.967	188	359924	40.00	ppm	0.00
84) Chrysene-d12	10.953	240	320124	40.00	ppm	-0.01
93) Perylene-d12	12.550	264	315920	40.00	ppm	-0.01
103) 1,4-Dichlorobenzene-d4a	4.574	152	93151	40.00	ppm	0.00
105) Acenaphthene-d10a	6.610	164	199461	40.00	ppm	0.00
107) Chrysene-d12a	10.953	240	320124	40.00	ppm	-0.01
109) Phenanthrene-d10a	7.967	188	359924	40.00	ppm	0.00
111) Naphthalene-d8a	5.370	136	352145	40.00	ppm	0.00
113) Chrysene-d12b	10.953	240	320124	40.00	ppm	-0.01
115) Naphthalene-d8b	5.370	136	352145	40.00	ppm	0.00
118) Naphthalene-d8c	5.370	136	352145	40.00	ppm	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.762	112	82500	32.22	ppm	0.00
Spiked Amount 50.000			Recovery =	64.44%		
8) Phenol-d5	4.345	99	104856	31.13	ppm	0.00
Spiked Amount 50.000			Recovery =	62.26%		
25) Nitrobenzene-d5	4.922	82	93722	30.05	ppm	0.00
Spiked Amount 50.000			Recovery =	60.10%		
51) 2-Fluorobiphenyl	6.086	172	232472	34.23	ppm	0.00
Spiked Amount 50.000			Recovery =	68.46%		
74) 2,4,6-Tribromophenol	7.288	330	31725	34.98	ppm	-0.01
Spiked Amount 50.000			Recovery =	69.96%		
87) Terphenyl-d14	9.724	244	309058	38.81	ppm	0.00
Spiked Amount 50.000			Recovery =	77.62%		
108) 1-chlorooctadecane	0.000	57	0d	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
110) o-terphenyl	0.000	230	0	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		

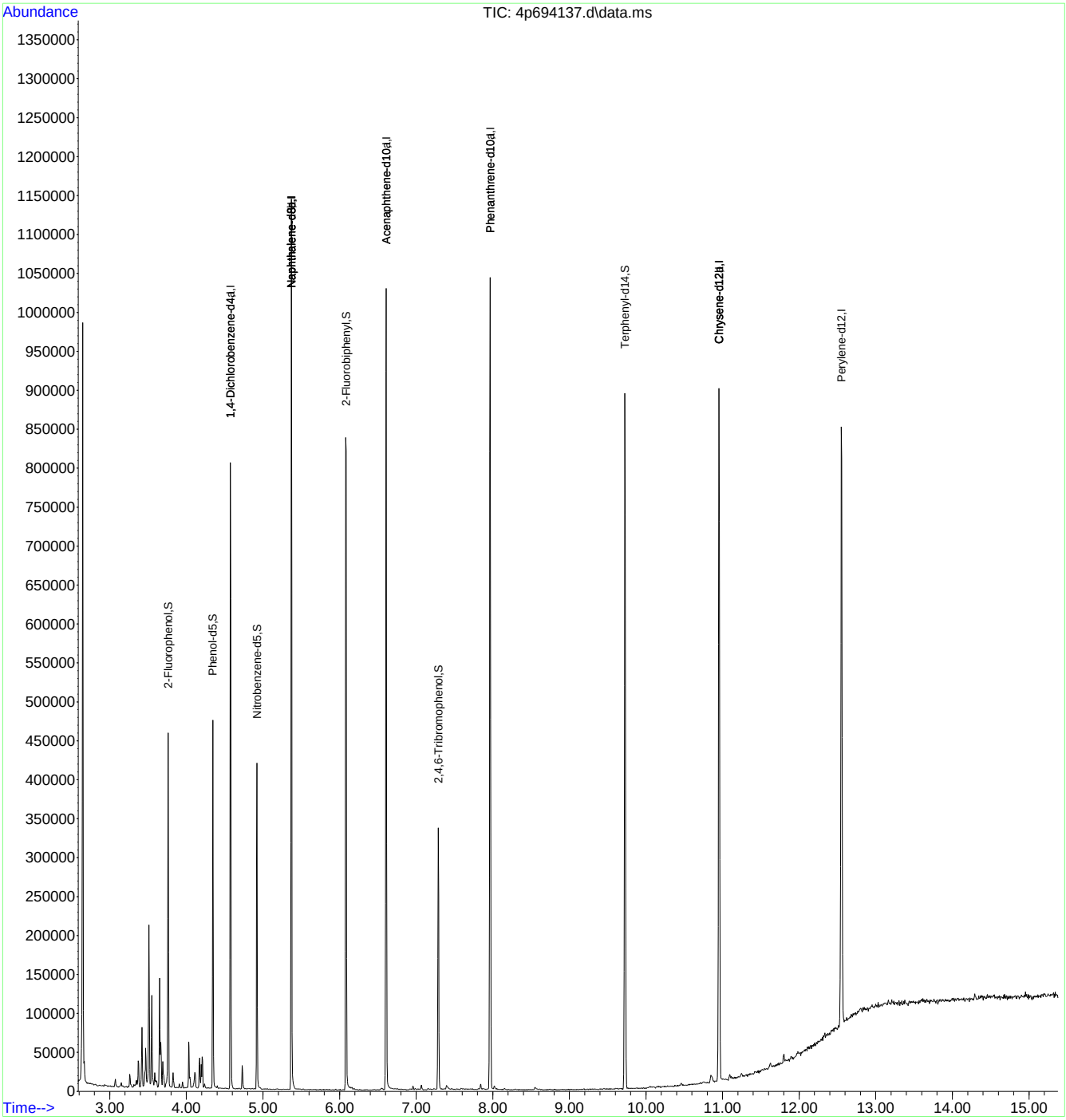
Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\diciembre\12-06\E4P3703\
Data File : 4p694137.d
Acq On : 6 Dec 2024 10:23 am
Operator : kaleigh
Sample : op59876-mb1 Inst : GCMS4P
Misc : op59876,e4p3703,30.0,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 06 18:33:52 2024
Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\M4P3698.M
Quant Title : Semi Volatile GC/MS, zb-5MSplus 30mx0.25mmx0.25um
QLast Update : Fri Dec 06 18:18:31 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\michaell\e6p4336\
Data File : 6p519540.d
Acq On : 17 Dec 2024 12:20 pm
Operator : anthonyo
Sample : op60221-mb1 Inst : GCMS6P
Misc : op60221,e6p4336,30.0,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 17 22:17:27 2024
Quant Method : X:\Dayton SVOA GCMS\michaell\e6p4336\M6P4256.M
Quant Title : Semi Volatile GC/MS,zb-5msplus30m x .25mm x .25um
QLast Update : Tue Dec 17 19:32:15 2024
Response via : Initial Calibration

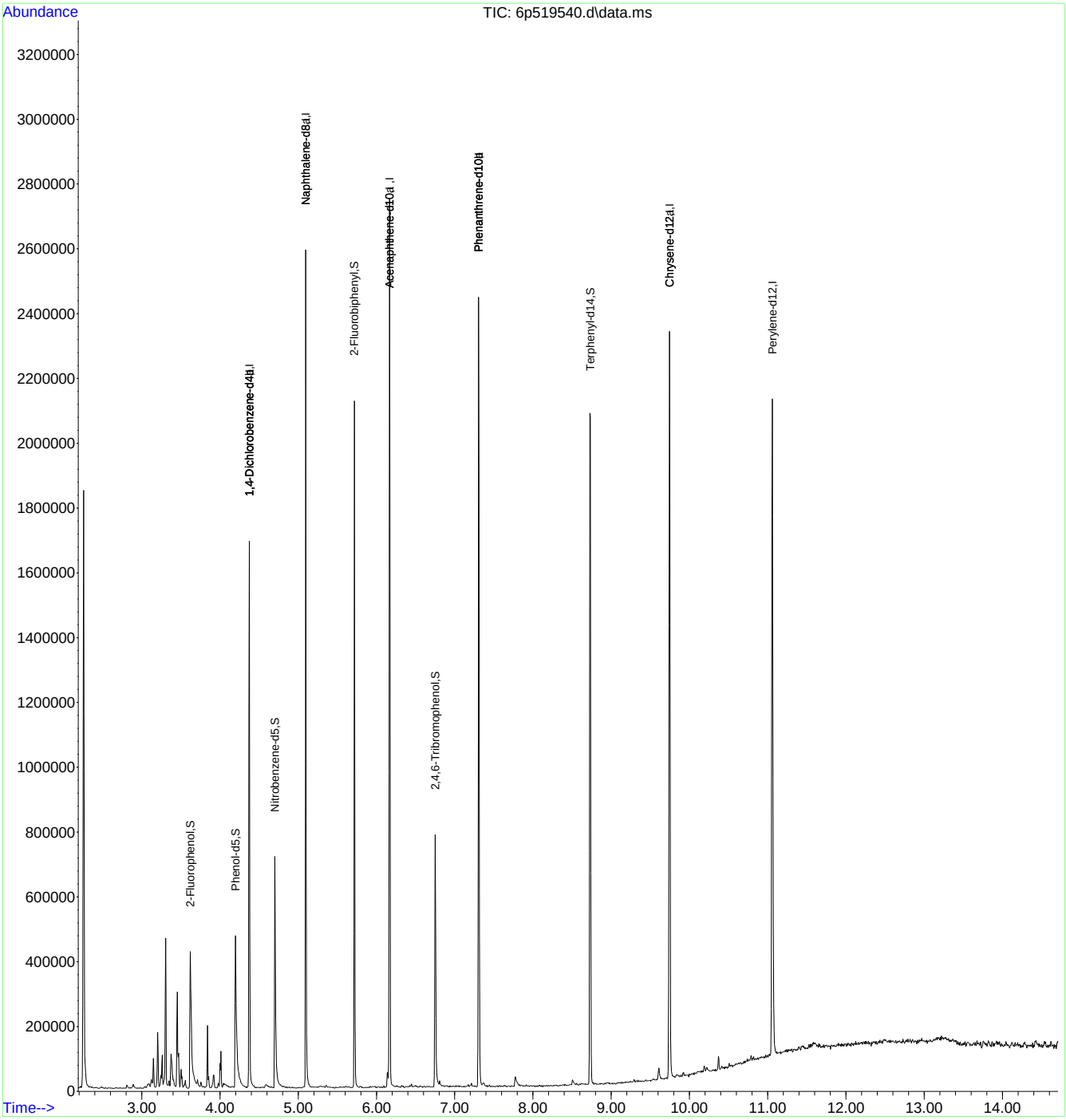
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.374	152	187442	40.00	ppm	0.00
24) Naphthalene-d8	5.096	136	751828	40.00	ppm	0.00
46) Acenaphthene-d10	6.166	164	428489	40.00	ppm	0.00
69) Phenanthrene-d10	7.305	188	793850	40.00	ppm	0.00
84) Chrysene-d12	9.744	240	757409	40.00	ppm	0.00
93) Perylene-d12	11.060	264	808373	40.00	ppm	0.00
103) 1,4-Dichlorobenzene-d4a	4.374	152	187442	40.00	ppm	0.00
105) Phenanthrene-d10a	7.305	188	793850	40.00	ppm	0.00
107) Naphthalene-d8a	5.096	136	751828	40.00	ppm	0.00
109) 1,4-Dichlorobenzene-d4b	4.374	152	187442	40.00	ppm	0.00
112) Acenaphthene-d10a	6.166	164	428489	40.00	ppm	0.00
114) Phenanthrene-d10b	7.305	188	793850	40.00	ppm	# 0.00
117) Chrysene-d12a	9.744	240	757409	40.00	ppm	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.620	112	160558	25.83	ppm	0.01
Spiked Amount 50.000			Recovery =	51.66%		
8) Phenol-d5	4.198	99	219056	26.74	ppm	0.00
Spiked Amount 50.000			Recovery =	53.48%		
25) Nitrobenzene-d5	4.701	82	218177	29.55	ppm	0.00
Spiked Amount 50.000			Recovery =	59.10%		
51) 2-Fluorobiphenyl	5.717	172	452126	32.32	ppm	0.00
Spiked Amount 50.000			Recovery =	64.64%		
74) 2,4,6-Tribromophenol	6.749	330	96176	41.02	ppm	0.00
Spiked Amount 50.000			Recovery =	82.04%		
87) Terphenyl-d14	8.734	244	701992	35.98	ppm	0.00
Spiked Amount 50.000			Recovery =	71.96%		
115) 1-chlorooctadecane	0.000	57	0d	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
116) o-terphenyl	0.000	230	0d	0.00	ppm	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\michaell\e6p4336\
Data File : 6p519540.d
Acq On : 17 Dec 2024 12:20 pm
Operator : anthonyo
Sample : op60221-mb1 Inst : GCMS6P
Misc : op60221,e6p4336,30.0,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 17 22:17:27 2024
Quant Method : X:\Dayton SVOA GCMS\michaell\e6p4336\M6P4256.M
Quant Title : Semi Volatile GC/MS,zb-5msplus30m x .25mm x .25um
QLast Update : Tue Dec 17 19:32:15 2024
Response via : Initial Calibration



GC/LC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Internal Standard Area Summaries
- DDT/Endrin Breakdown Checks
- GC Identification Summaries (Hits)
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59854-MB1	4G9742089.D	1	12/07/24	RK	12/06/24	OP59854	G4G4521

The QC reported here applies to the following samples: **Method:** SW846 8081B

JE1542-1R

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.40	0.078	ug/kg	
319-84-6	alpha-BHC	ND	0.40	0.046	ug/kg	
319-85-7	beta-BHC	ND	0.40	0.058	ug/kg	
319-86-8	delta-BHC	ND	0.40	0.060	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.40	0.070	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.40	0.054	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.40	0.060	ug/kg	
57-74-9	Chlordane (alpha and gamma)	ND	0.40	0.054	ug/kg	
60-57-1	Dieldrin	ND	0.40	0.064	ug/kg	
72-54-8	4,4'-DDD	ND	0.40	0.042	ug/kg	
72-55-9	4,4'-DDE	ND	0.40	0.048	ug/kg	
50-29-3	4,4'-DDT	ND	0.40	0.070	ug/kg	
72-20-8	Endrin	ND	0.40	0.058	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.40	0.048	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.40	0.12	ug/kg	
959-98-8	Endosulfan-I	ND	0.40	0.054	ug/kg	
33213-65-9	Endosulfan-II	ND	0.40	0.056	ug/kg	
76-44-8	Heptachlor	ND	0.40	0.052	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.40	0.072	ug/kg	
72-43-5	Methoxychlor	ND	0.40	0.16	ug/kg	
53494-70-5	Endrin ketone	ND	0.40	0.064	ug/kg	
8001-35-2	Toxaphene	ND	5.0	3.3	ug/kg	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	77%	46-145%
877-09-8	Tetrachloro-m-xylene	76%	46-145%
2051-24-3	Decachlorobiphenyl	75%	29-163%
2051-24-3	Decachlorobiphenyl	94%	29-163%

Blank Spike Summary

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59854-BS1	4G9742090.D	1	12/07/24	RK	12/06/24	OP59854	G4G4521

The QC reported here applies to the following samples: **Method:** SW846 8081B

JE1542-1R

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
309-00-2	Aldrin	5	4.1	82	71-115
319-84-6	alpha-BHC	5	4.2	84	69-110
319-85-7	beta-BHC	5	4.2	84	67-115
319-86-8	delta-BHC	5	4.2	84	58-110
58-89-9	gamma-BHC (Lindane)	5	4.2	84	70-108
5103-71-9	alpha-Chlordane	5	4.0	80	69-112
5103-74-2	gamma-Chlordane	5	4.3	86	68-111
57-74-9	Chlordane (alpha and gamma)	10	8.3	83	67-110
60-57-1	Dieldrin	5	4.2	84	71-112
72-54-8	4,4'-DDD	5	4.8	96	69-120
72-55-9	4,4'-DDE	5	4.6	92	71-108
50-29-3	4,4'-DDT	5	5.4	108	57-112
72-20-8	Endrin	5	4.4	88	71-121
1031-07-8	Endosulfan sulfate	5	4.0	80	68-108
7421-93-4	Endrin aldehyde	5	4.0	80	66-126
959-98-8	Endosulfan-I	5	3.9	78	65-114
33213-65-9	Endosulfan-II	5	4.2	84	65-115
76-44-8	Heptachlor	5	4.3	86	66-114
1024-57-3	Heptachlor epoxide	5	4.0	80	69-118
72-43-5	Methoxychlor	5	5.9	118* [a]	61-111
53494-70-5	Endrin ketone	5	4.5	90	70-108

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	90%	46-145%
877-09-8	Tetrachloro-m-xylene	82%	46-145%
2051-24-3	Decachlorobiphenyl	85%	29-163%
2051-24-3	Decachlorobiphenyl	105%	29-163%

(a) Outside of in house control limits.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59854-MS	4G9742091.D	1	12/07/24	RK	12/06/24	OP59854	G4G4521
OP59854-MSD	4G9742092.D	1	12/07/24	RK	12/06/24	OP59854	G4G4521
JE1510-1	4G9742093.D	1	12/07/24	RK	12/06/24	OP59854	G4G4521

The QC reported here applies to the following samples: **Method:** SW846 8081B

JE1542-1R

CAS No.	Compound	JE1510-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
309-00-2	Aldrin	ND		5.58	4.8	86	5.59	4.8	86	0	34-125/32
319-84-6	alpha-BHC	ND		5.58	5.8	104	5.59	5.9	106	2	43-124/28
319-85-7	beta-BHC	ND		5.58	4.9	88	5.59	5.0	89	2	21-145/34
319-86-8	delta-BHC	ND		5.58	5.1	91	5.59	4.9	88	4	36-119/32
58-89-9	gamma-BHC (Lindane)	ND		5.58	5.5	99	5.59	5.4	97	2	48-118/28
5103-71-9	alpha-Chlordane	1.7		5.58	7.4	102	5.59	9.3	136* [a]	23	28-132/33
5103-74-2	gamma-Chlordane	2.2		5.58	10.3	145* [a]	5.59	14.3	217* [a]	33	20-132/33
57-74-9	Chlordane (alpha and gamma)	3.9		11.2	17.7	124	11.2	23.6	176* [a]	29	20-125/32
60-57-1	Dieldrin	0.30	J	5.58	5.9	100	5.59	5.6	95	5	32-134/32
72-54-8	4,4'-DDD	0.79		5.58	8.1	131	5.59	8.7	142* [a]	7	28-135/33
72-55-9	4,4'-DDE	1.0		5.58	5.9	88	5.59	6.3	95	7	23-133/32
50-29-3	4,4'-DDT	3.7		5.58	13.8	181* [a]	5.59	14.9	200* [a]	8	10-144/41
72-20-8	Endrin	ND		5.58	6.6	118	5.59	6.2	111	6	33-143/33
1031-07-8	Endosulfan sulfate	ND		5.58	7.5	135* [a]	5.59	8.1	145* [a]	8	18-133/34
7421-93-4	Endrin aldehyde	ND		5.58	7.7	138	5.59	8.3	149* [a]	8	20-139/36
959-98-8	Endosulfan-I	0.70		5.58	5.5	86	5.59	5.0	77	10	32-127/31
33213-65-9	Endosulfan-II	ND		5.58	5.3	95	5.59	5.1	91	4	28-128/33
76-44-8	Heptachlor	1.2		5.58	7.1	106	5.59	10.4	165* [a]	38* [b]	30-133/34
1024-57-3	Heptachlor epoxide	1.5		5.58	8.6	127	5.59	10.0	152* [a]	15	37-131/32
72-43-5	Methoxychlor	ND		5.58	9.3	167* [a]	5.59	8.9	159* [a]	4	13-136/37
53494-70-5	Endrin ketone	ND		5.58	25.4	456* [a]	5.59	29.1	521* [a]	14	24-149/34
8001-35-2	Toxaphene	ND			ND			ND		nc	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	JE1510-1	Limits
877-09-8	Tetrachloro-m-xylene	100%	99%	103%	46-145%
877-09-8	Tetrachloro-m-xylene	89%	86%	93%	46-145%
2051-24-3	Decachlorobiphenyl	199%* [a]	209%* [a]	140%	29-163%
2051-24-3	Decachlorobiphenyl	209%* [a]	189%* [a]	119%	29-163%

(a) Outside of in house control limits.
(b) Analytical precision exceeds in-house control limits.

* = Outside of Control Limits.

Internal Standard Area Summary

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G4G4521-CC4506	**Injection Date:**	12/07/24
Lab File ID:	4G9742087.D	**Injection Time:**	08:13
Instrument ID:	GC4G	**Method:**	SW846 8081B

	IS 1 AREA	RT	IS 2 AREA	RT
Initial Cal [a]	672786648	5.23	1168828131	4.91
Check Std [b]	411077638	5.21	1116733232	4.89
Upper Limit [c]	1009179972	5.71	1753242197	5.39
Lower Limit [d]	336393324	4.71	584414066	4.39

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT
OP59854-MB1	540052879	5.21	1461980335	4.89
OP59854-BS1	492543660	5.21	1303567516	4.89
OP59854-MS	409816499	5.21	1001139874	4.89
OP59854-MSD	422702892	5.21	1043313515	4.89
JE1510-1	381204540	5.21	944690883	4.89
ZZZZZZ	370793938	5.21	1006179030	4.89
ZZZZZZ	353368130	5.21	974347181	4.89
ZZZZZZ	352703791	5.21	1029841951	4.89
ZZZZZZ	307020246*	5.21	900008662	4.89
ZZZZZZ	348035100	5.21	846540511	4.89
ZZZZZZ	271167657*	5.21	804964102	4.89
ZZZZZZ	350826207	5.21	886213933	4.89
ZZZZZZ	322809368*	5.21	837827681	4.89
ZZZZZZ	280157448*	5.21	792681683	4.89
JE1542-1R	341861417	5.21	981045975	4.89

IS 1 = 1-Bromo-2-nitrobenzene (Signal #2)
IS 2 = 1-Bromo-2-nitrobenzene (Signal #1)

(a) Initial Cal is: G4G4506-ICC4506 4G9741759.D 11/25/24 17:56. Area is AVERAGE of initial cal points.
(b) Check Std Limit = -50 to + 50% of initial cal area.
(c) Upper Limit = + 50% of initial standard area; Retention time + 0.5 minutes of check standard.
(d) Lower Limit = -50% of initial standard area; Retention time -0.5 minutes of check standard.

DDT/Endrin Breakdown Check

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	G4G4506-DDT	**Injection Date:**	11/25/24
Lab File ID:	4G9741753.D	**Injection Time:**	15:37
Instrument ID:	GC4G		

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	13172208	18371733
4,4'-DDE	15395553	17283618
4,4'-DDT	1846933724	736065453
DDT Breakdown [a]	1.5 %	4.6 %
Endrin aldehyde	10118162	5879001
Endrin ketone	23574708	8573180
Endrin	1431742752	566653690
Endrin Breakdown [b]	2.3 %	2.5 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
G4G4506-IC4506	4G9741755.D	11/25/24	16:24	00:47	Initial cal 0.1
G4G4506-IC4506	4G9741756.D	11/25/24	16:47	01:10	Initial cal 0.2
G4G4506-IC4506	4G9741757.D	11/25/24	17:10	01:33	Initial cal 0.5
G4G4506-IC4506	4G9741758.D	11/25/24	17:33	01:56	Initial cal 1
G4G4506-ICC4506	4G9741759.D	11/25/24	17:56	02:19	Initial cal 2.5
G4G4506-IC4506	4G9741760.D	11/25/24	18:19	02:42	Initial cal 5
G4G4506-IC4506	4G9741761.D	11/25/24	18:41	03:04	Initial cal 7.5
G4G4506-IC4506	4G9741762.D	11/25/24	19:04	03:27	Initial cal 10
G4G4506-ICV4506	4G9741763.D	11/25/24	19:27	03:50	Initial cal verification 2.5
G4G4506-IC4506	4G9741764.D	11/25/24	19:50	04:13	Initial cal 50
G4G4506-ICV4506	4G9741765.D	11/25/24	20:13	04:36	Initial cal verification 50
G4G4506-IC4506	4G9741766.D	11/25/24	20:36	04:59	Initial cal 50
G4G4506-ICV4506	4G9741767.D	11/25/24	20:59	05:22	Initial cal verification 50

DDT/Endrin Breakdown Check

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample:	G4G4521-DDT	**Injection Date:**	12/07/24
Lab File ID:	4G9742081.D	**Injection Time:**	05:49
Instrument ID:	GC4G		

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	8259893	7066195
4,4'-DDE	2636247	2553695
4,4'-DDT	1819634600	488070016
DDT Breakdown [a]	0.6 %	1.9 %
Endrin aldehyde	10417438	4334324
Endrin ketone	13097684	3655584
Endrin	1142808581	332206979
Endrin Breakdown [b]	2 %	2.3 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
G4G4521-CC4506	4G9742082.D	12/07/24	06:13	00:24	Continuing cal 2.5
OP59920-BS1	4G9742084.D	12/07/24	07:01	01:12	Blank Spike
OP59920-LS52	4G9742085.D	12/07/24	07:25	01:36	Leachate Spike
OP59920-MS	4G9742085.D	12/07/24	07:25	01:36	Matrix Spike
OP59920-MSD	4G9742086.D	12/07/24	07:49	02:00	Matrix Spike Duplicate
G4G4521-CC4506	4G9742087.D	12/07/24	08:13	02:24	Continuing cal 5
OP59854-MB1	4G9742089.D	12/07/24	09:01	03:12	Method Blank
OP59854-BS1	4G9742090.D	12/07/24	09:25	03:36	Blank Spike
OP59854-MS	4G9742091.D	12/07/24	09:49	04:00	Matrix Spike
OP59854-MSD	4G9742092.D	12/07/24	10:13	04:24	Matrix Spike Duplicate
JE1510-1	4G9742093.D	12/07/24	10:37	04:48	(used for QC only; not part of job JE1542)
ZZZZZZ	4G9742094.D	12/07/24	11:02	05:13	(unrelated sample)
ZZZZZZ	4G9742095.D	12/07/24	11:26	05:37	(unrelated sample)
ZZZZZZ	4G9742096.D	12/07/24	11:50	06:01	(unrelated sample)
ZZZZZZ	4G9742099.D	12/07/24	13:02	07:13	(unrelated sample)
ZZZZZZ	4G9742100.D	12/07/24	13:26	07:37	(unrelated sample)
ZZZZZZ	4G9742104.D	12/07/24	15:02	09:13	(unrelated sample)
ZZZZZZ	4G9742105.D	12/07/24	15:26	09:37	(unrelated sample)
ZZZZZZ	4G9742106.D	12/07/24	15:50	10:01	(unrelated sample)
ZZZZZZ	4G9742107.D	12/07/24	16:15	10:26	(unrelated sample)
JE1542-1R	4G9742108.D	12/07/24	16:39	10:50	GRID-20R

GC Identification Summary

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G4G4521-CC4506	**Injection Date:**	12/07/24
Lab File ID:	4G9742087.D	**Injection Time:**	08:13
Instrument ID:	GC4G	**Method:**	SW846 8081B

Sample ID:	JE1542-1R	**Injection Date:**	12/07/24
Lab File ID:	4G9742108.D	**Injection Time:**	16:39
Client ID:	GRID-20R		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
alpha-Chlordane	1 [a]	8.39	8.36	0.00058		mg/kg	11.4
alpha-Chlordane	2	9.72	9.72	0.00065		mg/kg	
gamma-Chlordane	1	8.19	8.19	0.0016		mg/kg	28.6
gamma-Chlordane	2 [a]	9.50	9.49	0.0012		mg/kg	
Chlordane (alpha and gamma)	n/a [b]			0.0018		mg/kg	
4,4'-DDE	1	8.48	8.48	0.0034		mg/kg	77.6
4,4'-DDE [c]	2 [a]	9.99	9.99	0.0015		mg/kg	
4,4'-DDT [d]	1 [a]	9.74	9.76	0.0101		mg/kg	62.3
4,4'-DDT [e]	2	11.51	11.50	0.0053		mg/kg	
Endosulfan-I	1	8.55	8.55	0.0012		mg/kg	24.3
Endosulfan-I	2 [a]	9.84	9.82	0.00094		mg/kg	

(a) Final result reported from this column.
(b) Final reported result.
(c) More than 40 % RPD for detected concentrations between the two GC columns.
(d) Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only. More than 40 % RPD for detected concentrations between the two GC columns.
(e) Associated CCV outside of control limits high.

GC Identification Summary

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G4G4521-CC4506	**Injection Date:**	12/07/24
Lab File ID:	4G9742087.D	**Injection Time:**	08:13
Instrument ID:	GC4G	**Method:**	SW846 8081B

Sample ID:	OP59854-BS1	**Injection Date:**	12/07/24
Lab File ID:	4G9742090.D	**Injection Time:**	09:25
Client ID:	Blank Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aldrin	1	7.27	7.28	4.3		ug/kg	4.8
Aldrin	2 [a]	8.35	8.36	4.1		ug/kg	
alpha-BHC	1	6.09	6.09	4.3		ug/kg	2.4
alpha-BHC	2 [a]	6.83	6.84	4.2		ug/kg	
beta-BHC	1	6.49	6.49	4.3		ug/kg	2.4
beta-BHC	2 [a]	7.38	7.38	4.2		ug/kg	
delta-BHC	1 [a]	6.69	6.69	4.2		ug/kg	6.9
delta-BHC	2	7.79	7.79	4.5		ug/kg	
gamma-BHC (Lindane)	1	6.40	6.41	4.6		ug/kg	9.1
gamma-BHC (Lindane)	2 [a]	7.28	7.29	4.2		ug/kg	
alpha-Chlordane	1 [a]	8.36	8.36	4.0		ug/kg	9.5
alpha-Chlordane	2	9.72	9.72	4.4		ug/kg	
gamma-Chlordane	1 [a]	8.19	8.19	4.3		ug/kg	0.0
gamma-Chlordane	2	9.49	9.49	4.3		ug/kg	
Chlordane (alpha and gamma)	n/a [b]			8.3		ug/kg	
Dieldrin	1 [a]	8.88	8.88	4.2		ug/kg	9.1
Dieldrin	2	10.26	10.27	4.6		ug/kg	
4,4'-DDD	1 [a]	9.33	9.33	4.8		ug/kg	6.1
4,4'-DDD	2	10.95	10.96	5.1		ug/kg	
4,4'-DDE	1	8.48	8.48	4.8		ug/kg	4.3
4,4'-DDE	2 [a]	9.98	9.99	4.6		ug/kg	
4,4'-DDT	1 [a]	9.75	9.76	5.4		ug/kg	8.8
4,4'-DDT	2	11.49	11.50	5.9		ug/kg	
Endrin	1 [a]	9.21	9.21	4.4		ug/kg	10.8
Endrin	2	10.78	10.78	4.9		ug/kg	
Endosulfan sulfate	1 [a]	10.87	10.87	4.0		ug/kg	14.0
Endosulfan sulfate	2	12.19	12.19	4.6		ug/kg	
Endrin aldehyde	1 [a]	10.17	10.18	4.0		ug/kg	16.1
Endrin aldehyde	2	11.71	11.72	4.7		ug/kg	
Endosulfan-I	1 [a]	8.55	8.55	3.9		ug/kg	12.0
Endosulfan-I	2	9.82	9.82	4.4		ug/kg	
Endosulfan-II	1 [a]	9.54	9.54	4.2		ug/kg	9.1
Endosulfan-II	2	11.13	11.14	4.6		ug/kg	
Heptachlor	1	6.92	6.93	4.5		ug/kg	4.5
Heptachlor	2 [a]	7.88	7.89	4.3		ug/kg	
Heptachlor epoxide	1 [a]	8.02	8.02	4.0		ug/kg	7.2
Heptachlor epoxide	2	9.20	9.20	4.3		ug/kg	
Methoxychlor	1 [a]	10.54	10.55	5.9		ug/kg	9.7
Methoxychlor	2	12.74	12.74	6.5		ug/kg	
Endrin ketone	1 [a]	11.31	11.32	4.5		ug/kg	18.2
Endrin ketone	2	13.13	13.13	5.4		ug/kg	

GC Identification Summary

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G4G4521-CC4506	**Injection Date:**	12/07/24
Lab File ID:	4G9742087.D	**Injection Time:**	08:13
Instrument ID:	GC4G	**Method:**	SW846 8081B

Sample ID:	OP59854-BS1	**Injection Date:**	12/07/24
Lab File ID:	4G9742090.D	**Injection Time:**	09:25
Client ID:	Blank Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc

(a) QC results reported from this column.
(b) Final reported result.

GC Identification Summary

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G4G4521-CC4506	**Injection Date:**	12/07/24
Lab File ID:	4G9742087.D	**Injection Time:**	08:13
Instrument ID:	GC4G	**Method:**	SW846 8081B

Sample ID:	OP59854-MS	**Injection Date:**	12/07/24
Lab File ID:	4G9742091.D	**Injection Time:**	09:49
Client ID:	Matrix Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aldrin	1 [a]	7.27	7.28	4.8		ug/kg	4.3
Aldrin	2	8.35	8.36	4.6		ug/kg	
alpha-BHC	1 [a]	6.09	6.09	5.8		ug/kg	18.9
alpha-BHC	2	6.83	6.84	4.8		ug/kg	
beta-BHC	1 [a]	6.49	6.49	4.9		ug/kg	4.0
beta-BHC	2	7.37	7.38	5.1		ug/kg	
delta-BHC	1 [a]	6.68	6.69	5.1		ug/kg	5.7
delta-BHC	2	7.79	7.79	5.4		ug/kg	
gamma-BHC (Lindane)	1 [a]	6.40	6.41	5.5		ug/kg	48.3
gamma-BHC (Lindane)	2	7.28	7.29	9.0		ug/kg	
alpha-Chlordane	1	8.36	8.36	9.8		ug/kg	27.9
alpha-Chlordane	2 [a]	9.72	9.72	7.4		ug/kg	
gamma-Chlordane	1 [a]	8.19	8.19	10.3		ug/kg	0.0
gamma-Chlordane	2	9.49	9.49	10.3		ug/kg	
Chlordane (alpha and gamma)	n/a [b]			17.7		ug/kg	
Dieldrin	1	8.87	8.88	6.8		ug/kg	14.2
Dieldrin	2 [a]	10.26	10.27	5.9		ug/kg	
4,4'-DDD	1 [a]	9.33	9.33	8.1		ug/kg	5.1
4,4'-DDD	2	10.95	10.96	7.7		ug/kg	
4,4'-DDE	1	8.48	8.48	9.0		ug/kg	41.6
4,4'-DDE	2 [a]	9.98	9.99	5.9		ug/kg	
4,4'-DDT	1 [a]	9.75	9.76	13.8		ug/kg	31.0
4,4'-DDT	2	11.50	11.50	10.1		ug/kg	
Endrin	1 [a]	9.21	9.21	6.6		ug/kg	14.1
Endrin	2	10.78	10.78	7.6		ug/kg	
Endosulfan sulfate	1 [a]	10.87	10.87	7.5		ug/kg	7.7
Endosulfan sulfate	2	12.19	12.19	8.1		ug/kg	
Endrin aldehyde	1 [a]	10.17	10.18	7.7		ug/kg	32.6
Endrin aldehyde	2	11.72	11.72	10.7		ug/kg	
Endosulfan-I	1	8.54	8.55	6.2		ug/kg	12.0
Endosulfan-I	2 [a]	9.82	9.82	5.5		ug/kg	
Endosulfan-II	1 [a]	9.54	9.54	5.3		ug/kg	64.1
Endosulfan-II	2	11.14	11.14	10.3		ug/kg	
Heptachlor	1 [a]	6.92	6.93	7.1		ug/kg	5.8
Heptachlor	2	7.89	7.89	6.7		ug/kg	
Heptachlor epoxide	1 [a]	8.02	8.02	8.6		ug/kg	12.3
Heptachlor epoxide	2	9.20	9.20	7.6		ug/kg	
Methoxychlor	1 [a]	10.55	10.55	9.3		ug/kg	64.2
Methoxychlor	2	12.74	12.74	18.1		ug/kg	
Endrin ketone	1 [a]	11.31	11.32	25.4	E	ug/kg	120.5
Endrin ketone	2	13.13	13.13	6.3		ug/kg	

GC Identification Summary

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G4G4521-CC4506	**Injection Date:**	12/07/24
Lab File ID:	4G9742087.D	**Injection Time:**	08:13
Instrument ID:	GC4G	**Method:**	SW846 8081B

Sample ID:	OP59854-MS	**Injection Date:**	12/07/24
Lab File ID:	4G9742091.D	**Injection Time:**	09:49
Client ID:	Matrix Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc

(a) QC results reported from this column.
(b) Final reported result.

GC Identification Summary

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G4G4521-CC4506	**Injection Date:**	12/07/24
Lab File ID:	4G9742087.D	**Injection Time:**	08:13
Instrument ID:	GC4G	**Method:**	SW846 8081B

Sample ID:	OP59854-MSD	**Injection Date:**	12/07/24
Lab File ID:	4G9742092.D	**Injection Time:**	10:13
Client ID:	Matrix Spike Duplicate		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aldrin	1 [a]	7.27	7.28	4.8		ug/kg	4.3
Aldrin	2	8.35	8.36	4.6		ug/kg	
alpha-BHC	1 [a]	6.09	6.09	5.9		ug/kg	24.8
alpha-BHC	2	6.83	6.84	4.6		ug/kg	
beta-BHC	1 [a]	6.49	6.49	5.0		ug/kg	9.5
beta-BHC	2	7.38	7.38	5.5		ug/kg	
delta-BHC	1 [a]	6.68	6.69	4.9		ug/kg	13.3
delta-BHC	2	7.78	7.79	5.6		ug/kg	
gamma-BHC (Lindane)	1 [a]	6.40	6.41	5.4		ug/kg	47.9
gamma-BHC (Lindane)	2	7.28	7.29	8.8		ug/kg	
alpha-Chlordane	1	8.36	8.36	13.3		ug/kg	35.4
alpha-Chlordane	2 [a]	9.72	9.72	9.3		ug/kg	
gamma-Chlordane	1 [a]	8.19	8.19	14.3		ug/kg	1.4
gamma-Chlordane	2	9.50	9.49	14.5		ug/kg	
Chlordane (alpha and gamma)	n/a [b]			23.6		ug/kg	
Dieldrin	1	8.88	8.88	7.6		ug/kg	30.3
Dieldrin	2 [a]	10.27	10.27	5.6		ug/kg	
4,4'-DDD	1 [a]	9.33	9.33	8.7		ug/kg	8.8
4,4'-DDD	2	10.95	10.96	9.5		ug/kg	
4,4'-DDE	1	8.48	8.48	8.9		ug/kg	34.2
4,4'-DDE	2 [a]	9.99	9.99	6.3		ug/kg	
4,4'-DDT	1 [a]	9.75	9.76	14.9		ug/kg	27.5
4,4'-DDT	2	11.50	11.50	11.3		ug/kg	
Endrin	1 [a]	9.22	9.21	6.2		ug/kg	33.6
Endrin	2	10.78	10.78	8.7		ug/kg	
Endosulfan sulfate	1 [a]	10.88	10.87	8.1		ug/kg	17.4
Endosulfan sulfate	2	12.19	12.19	6.8		ug/kg	
Endrin aldehyde	1 [a]	10.17	10.18	8.3		ug/kg	26.2
Endrin aldehyde	2	11.72	11.72	10.8		ug/kg	
Endosulfan-I	1	8.55	8.55	6.5		ug/kg	26.1
Endosulfan-I	2 [a]	9.83	9.82	5.0		ug/kg	
Endosulfan-II	1 [a]	9.54	9.54	5.1		ug/kg	71.7
Endosulfan-II	2	11.14	11.14	10.8		ug/kg	
Heptachlor	1 [a]	6.92	6.93	10.4		ug/kg	13.3
Heptachlor	2	7.88	7.89	9.1		ug/kg	
Heptachlor epoxide	1 [a]	8.02	8.02	10.0		ug/kg	15.1
Heptachlor epoxide	2	9.20	9.20	8.6		ug/kg	
Methoxychlor	1 [a]	10.55	10.55	8.9		ug/kg	73.8
Methoxychlor	2	12.75	12.74	19.3		ug/kg	
Endrin ketone	1 [a]	11.31	11.32	29.1	E	ug/kg	143.4
Endrin ketone	2	13.13	13.13	4.8		ug/kg	

GC Identification Summary

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G4G4521-CC4506	**Injection Date:**	12/07/24
Lab File ID:	4G9742087.D	**Injection Time:**	08:13
Instrument ID:	GC4G	**Method:**	SW846 8081B

Sample ID:	OP59854-MSD	**Injection Date:**	12/07/24
Lab File ID:	4G9742092.D	**Injection Time:**	10:13
Client ID:	Matrix Spike Duplicate		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc

(a) QC results reported from this column.
(b) Final reported result.

Surrogate Recovery Summary

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Method: SW846 8081B **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S1 [b]	S2 [a]	S2 [b]
JE1542-1R	4G9742108.D	104	109	197* [c]	188* [c]
OP59854-BS1	4G9742090.D	90	82	85	105
OP59854-MB1	4G9742089.D	77	76	75	94
OP59854-MS	4G9742091.D	100	89	199* [c]	209* [c]
OP59854-MSD	4G9742092.D	99	86	209* [c]	189* [c]

Surrogate Compounds	Recovery Limits
S1 = Tetrachloro-m-xylene	46-145%
S2 = Decachlorobiphenyl	29-163%

(a) Recovery from GC signal #1
(b) Recovery from GC signal #2
(c) Outside of in house control limits.

GC Surrogate Retention Time Summary

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Check Std:	G4G4521-CC4506	**Injection Date:**	12/07/24
Lab File ID:	4G9742087.D	**Injection Time:**	08:13
Instrument ID:	GC4G	**Method:**	SW846 8081B

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	5.57	6.12	13.09	14.73

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
OP59854-MB1	4G9742089.D	12/07/24	09:01	5.57	6.12	13.08	14.72
OP59854-BS1	4G9742090.D	12/07/24	09:25	5.57	6.12	13.08	14.72
OP59854-MS	4G9742091.D	12/07/24	09:49	5.57	6.12	13.09	14.73
OP59854-MSD	4G9742092.D	12/07/24	10:13	5.57	6.12	13.09	14.73
JE1510-1	4G9742093.D	12/07/24	10:37	5.57	6.12	13.08	14.72
ZZZZZZ	4G9742094.D	12/07/24	11:02	5.57	6.12	13.08	14.72
ZZZZZZ	4G9742095.D	12/07/24	11:26	5.57	6.12	13.08	14.72
ZZZZZZ	4G9742096.D	12/07/24	11:50	5.57	6.12	13.09	14.73
ZZZZZZ	4G9742099.D	12/07/24	13:02	5.57	6.12	13.08	14.72
ZZZZZZ	4G9742100.D	12/07/24	13:26	5.57	6.12	13.08	14.73
ZZZZZZ	4G9742104.D	12/07/24	15:02	5.57	6.12	13.08	14.73
ZZZZZZ	4G9742105.D	12/07/24	15:26	5.57	6.12	13.09	14.74
ZZZZZZ	4G9742106.D	12/07/24	15:50	5.57	6.13	13.09	14.73
ZZZZZZ	4G9742107.D	12/07/24	16:15	5.57	6.12	13.09	14.73
JE1542-1R	4G9742108.D	12/07/24	16:39	5.57	6.12	13.08	14.72

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

Initial Calibration Summary

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G4G4506-ICC4506
Lab FileID: 4G9741759.D

Response Factor Report GC4G

Method : C:\MSDCHEM\1\METHODS\4PSTLVI4506.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Tue Nov 26 05:57:51 2024
Response via : Initial Calibration

Calibration Files
2 =4g9741756.d 5 =4g9741757.d 10 =4g9741758.d 25 =4g9741759.d
50 =4g9741760.d 100 =4g9741762.d 1 =4g9741755.d 75 =4g9741761.d

Compound	2	5	10	25	50	100	1	75	Avg	%RSD
1) I 1-bromo-2-nitrobenzen	----------ISTD----------									
2) Tetrachloro-	0.606	0.618	0.663	0.638	0.661	0.683		0.657	0.647	4.18
3) hexachlorobe	0.975	1.073	1.168	1.112	1.141	1.200	1.042	1.146	1.107	6.65
4) alpha-BHC	1.141	1.391	1.604	1.716	1.822	1.999	1.134	1.871	1.585	20.87
----- Quadratic regression ----- Coefficient = 0.9998										
Response Ratio = -0.01456 + 1.63109 *A + 0.18363 *A^2										
5) gamma-BHC	1.087	1.230	1.393	1.460	1.564	1.709	1.061	1.602	1.388	17.38
6) Heptachlor	1.259	1.370	1.550	1.622	1.677	1.789	1.312	1.702	1.535	12.87
7) beta-BHC	0.521	0.553	0.565	0.543	0.583	0.608	0.483	0.582	0.555	7.11
8) delta-BHC	1.642	1.460	1.455	1.474	1.546	1.703	2.300	1.599	1.647	16.93
9) Aldrin	1.167	1.302	1.451	1.497	1.616	1.741	1.185	1.653	1.451	14.91
10) alachlor		0.142	0.164	0.147	0.145			0.141	0.148	6.35
11) Heptachlor E	1.119	1.210	1.336	1.301	1.421	1.499	1.141	1.437	1.308	10.81
12) gamma-Chlord	1.128	1.265	1.347	1.371	1.480	1.617	1.158	1.529	1.362	12.80
13) alpha-Chlord	1.279	1.298	1.395	1.378	1.468	1.587	1.518	1.503	1.428	7.64
14) Endosulfan I	1.196	1.276	1.394	1.347	1.446	1.494	1.239	1.445	1.354	8.00
15) 4,4'-DDE	0.844	0.940	1.064	1.185	1.232	1.350	0.843	1.276	1.092	18.20
16) Dieldrin	1.264	1.313	1.406	1.435	1.516	1.595	1.274	1.531	1.417	8.85
17) Endrin	1.074	1.168	1.287	1.315	1.393	1.472	1.094	1.412	1.277	11.78
18) 4,4'-DDD	0.676	0.740	0.796	0.886	0.952	1.045	0.707	0.988	0.849	16.37
19) Endosulfan I	1.025	1.097	1.178	1.175	1.251	1.317	1.050	1.263	1.169	8.99
20) 4,4'-DDT	0.519	0.626	0.719	0.818	0.899	1.017	0.478	0.943	0.752	26.57
----- Quadratic regression ----- Coefficient = 0.9976										
Response Ratio = -0.00514 + 0.69800 *A + 0.17140 *A^2										
21) Endrin Aldeh	0.911	0.860	0.892	0.848	0.881	0.919	0.947	0.888	0.893	3.61
22) Endosulfan S	0.884	0.942	0.989	0.985	1.048	1.115	0.911	1.060	0.992	7.95
23) Methoxychlor	0.312	0.343	0.379	0.402	0.403	0.429	0.293	0.411	0.372	13.38
24) Mirex	0.877	0.864	0.903	0.855	0.890	0.926	0.878	0.890	0.885	2.53
25) Endrin Keton	1.083	1.177	1.275	1.239	1.300	1.351	1.110	1.298	1.229	7.84
26) Decachlorobi			0.955	0.881	0.930	1.005		0.941	0.942	4.74
27) I 1-bromo-2-nitrobenzen	----------ISTD----------									
28) Toxaphene{A}				0.005					0.005	0.00
29) Toxaphene{B}				0.011					0.011	0.00
30) Toxaphene{C}				0.016					0.016	0.00
31) Toxaphene{D}				0.019					0.019	0.00
32) Toxaphene{E}				0.028					0.028	0.00
33) I 1-bromo-2-nitrobenzen	----------ISTD----------									
34) Chlordane {A				0.095					0.095	0.00
35) Chlordane {B				0.051					0.051	0.00
36) Chlordane {C				0.205					0.205	0.00
37) Chlordane {D				0.324					0.324	0.00
38) Chlordane {E				0.043					0.043	0.00

Initial Calibration Summary

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G4G4506-ICC4506
Lab FileID: 4G9741759.D

Signal #2

1)	I 1-bromo-2-nitrobenzen	----------ISTD----------									
2)	Tetrachloro-	0.969	1.009	1.075	1.021	1.031	1.012		1.017	1.019	3.10
3)	hexachlorobe	1.286	1.285	1.381	1.268	1.265	1.262	1.347	1.265	1.295	3.45
4)	alpha-BHC	1.470	1.648	1.812	1.852	1.911	1.982	1.523	1.960	1.770	11.20
5)	gamma-BHC	1.304	1.450	1.619	1.610	1.659	1.707	1.325	1.685	1.545	10.50
6)	Heptachlor	1.284	1.426	1.499	1.532	1.610	1.648	1.394	1.629	1.503	8.52
7)	beta-BHC	0.660	0.708	0.691	0.674	0.691	0.702	0.658	0.695	0.685	2.74
8)	delta-BHC	1.185	1.379	1.401	1.573	1.650	1.735	1.215	1.693	1.479	14.48
9)	Aldrin	1.362	1.417	1.551	1.512	1.590	1.590	1.465	1.581	1.508	5.72
10)	alachlor		0.172	0.186	0.167	0.166			0.161	0.170	5.61
11)	Heptachlor E	1.141	1.196	1.297	1.271	1.339	1.351	1.189	1.331	1.264	6.29
12)	gamma-Chlord	1.070	1.163	1.203	1.215	1.308	1.338	1.145	1.299	1.218	7.58
13)	alpha-Chlord	1.040	1.095	1.213	1.159	1.238	1.254	1.085	1.254	1.167	7.28
14)	Endosulfan I	1.019	1.256	1.224	1.098	1.146	1.147	0.967	1.140	1.125	8.58
15)	4,4'-DDE	0.929	0.978	1.022	1.068	1.139	1.156	1.161	1.137	1.074	8.30
16)	Dieldrin	0.959	1.030	1.112	1.121	1.196	1.219	1.015	1.204	1.107	8.81
17)	Endrin	0.816	0.904	0.949	0.948	1.010	1.047	0.830	1.013	0.939	9.07
18)	4,4'-DDD	0.634	0.708	0.708	0.749	0.798	0.843	0.652	0.810	0.738	10.23
19)	Endosulfan I	0.828	0.884	0.905	0.900	0.959	1.001	0.842	0.964	0.911	6.66
20)	4,4'-DDT	0.278	0.401	0.490	0.580	0.649	0.740	0.243	0.695	0.510	36.99
	----- Quadratic regression ----- Coefficient = 0.9949										
	Response Ratio = -0.00541 + 0.47401 *A + 0.14820 *A^2										
21)	Endrin Aldeh	0.661	0.695	0.700	0.637	0.672	0.704	0.681	0.688	0.679	3.32
22)	Endosulfan S	0.666	0.704	0.724	0.708	0.756	0.793	0.673	0.770	0.724	6.28
23)	Methoxychlor	0.189	0.235	0.253	0.280	0.300	0.327	0.174	0.313	0.259	21.81
	----- Quadratic regression ----- Coefficient = 0.9983										
	Response Ratio = -0.00178 + 0.25222 *A + 0.04121 *A^2										
24)	Mirex	0.651	0.660	0.685	0.625	0.643	0.659	0.665	0.647	0.654	2.66
25)	Endrin Keton	0.733	0.800	0.851	0.820	0.874	0.905	0.709	0.885	0.822	8.67
26)	Decachlorobi			0.635	0.563	0.557	0.579		0.551	0.577	5.90
27)	I 1-bromo-2-nitrobenzen	----------ISTD----------									
28)	Toxaphene{A}					0.005				0.005	0.00
29)	Toxaphene{B}					0.024				0.024	0.00
30)	Toxaphene{C}					0.010				0.010	0.00
31)	Toxaphene{D}					0.017				0.017	0.00
32)	Toxaphene{E}					0.016				0.016	0.00
33)	I 1-bromo-2-nitrobenzen	----------ISTD----------									
34)	Chlordane {A					0.099				0.099	0.00
35)	Chlordane {B					0.055				0.055	0.00
36)	Chlordane {C					0.176				0.176	0.00
37)	Chlordane {D					0.277				0.277	0.00
38)	Chlordane {E					0.035				0.035	0.00

(#) = Out of Range ### Number of calibration levels exceeded format ###

4PSTLVI4506.M Tue Nov 26 06:00:48 2024

Initial Calibration Verification

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G4G4506-ICV4506
Lab FileID: 4G9741763.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\g4...\4g9741763.d\ECD1A.ch Vial: 11
Signal #2 : C:\msdchem\1\data\g4g4506\4g9741763.d\ECD2B.ch
Acq On : 25 Nov 2024 7:27 pm Operator: mahalial
Sample : icv4506-2.5 (pest mix) Inst : GC4G
Misc : op59415,g4g4506,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\MSDCHEM\1\METHODS\4PSTLVI4506.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Tue Nov 26 05:28:46 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	78	0.00	4.41- 5.41
2	SAB	Tetrachloro-m-xylene	0.647	0.733	-13.3	89	0.00	5.56- 5.62
3		hexachlorobenzene	1.107	1.162	-5.0	81	0.00	5.92- 5.98
			True	Calc.	% Drift			
4	A	alpha-BHC	2.500	2.580	-3.2	80	0.00	6.08- 6.14
			AvgRF	CCRF	% Dev			
5	MA	gamma-BHC	1.388	1.522	-9.7	81	0.00	6.40- 6.46
6	MA	Heptachlor	1.535	1.593	-3.8	77	0.00	6.92- 6.98
7	B	beta-BHC	0.555	0.571	-2.9	82	0.00	6.49- 6.55
8	B	delta-BHC	1.647	1.466	11.0	78	0.00	6.68- 6.74
9	MB	Aldrin	1.451	1.585	-9.2	82	0.00	7.27- 7.33
10		alachlor	0.148	0.155	-4.7	82	0.00	7.43- 7.49
11	B	Heptachlor Epoxide	1.308	1.397	-6.8	84	0.00	8.01- 8.07
12	B	gamma-Chlordane	1.362	1.432	-5.1	81	0.00	8.18- 8.24
13	B	alpha-Chlordane	1.428	1.368	4.2	77	0.00	8.36- 8.42
14	A	Endosulfan I	1.354	1.406	-3.8	81	0.00	8.54- 8.60
15	B	4,4'-DDE	1.092	1.131	-3.6	74	0.00	8.47- 8.53
16	MA	Dieldrin	1.417	1.476	-4.2	80	0.00	8.87- 8.93
17	MA	Endrin	1.277	1.323	-3.6	78	0.00	9.20- 9.26
18	A	4,4'-DDD	0.849	0.897	-5.7	79	0.00	9.33- 9.39
19	B	Endosulfan II	1.169	1.216	-4.0	81	0.00	9.53- 9.59
			True	Calc.	% Drift			
20	MA	4,4'-DDT	2.500	2.641	-5.6	78	0.00	9.75- 9.81
			AvgRF	CCRF	% Dev			
21	B	Endrin Aldehyde	0.893	0.970	-8.6	89	0.00	10.17-10.23
22	B	Endosulfan Sulfate	0.992	0.993	-0.1	79	0.00	10.87-10.93
23	A	Methoxychlor	0.372	0.395	-6.2	77	0.00	10.54-10.60
24		Mirex	0.885	0.891	-0.7	81	0.00	10.70-10.76
25	B	Endrin Ketone	1.229	1.267	-3.1	80	0.00	11.31-11.37
26	SA	Decachlorobiphenyl	0.942	0.997	-5.8	88	0.00	13.08-13.14
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	78	0.00	4.41- 5.41
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				

Initial Calibration Verification

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G4G4506-ICV4506
Lab FileID: 4G9741763.D

33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	78	0.00	4.41- 5.41
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				

***** Signal #2 *****

1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	79	0.00	4.73- 5.73
2	SAB	Tetrachloro-m-xylene	1.019	1.167	-14.5	90	0.00	6.12- 6.18
3		hexachlorobenzene	1.295	1.323	-2.2	82	0.00	6.66- 6.72
4	A	alpha-BHC	1.770	1.899	-7.3	81	0.00	6.83- 6.89
5	MA	gamma-BHC	1.545	1.674	-8.3	82	0.00	7.28- 7.34
6	MA	Heptachlor	1.503	1.595	-6.1	82	0.00	7.89- 7.95
7	B	beta-BHC	0.685	0.690	-0.7	81	0.00	7.38- 7.44
8	B	delta-BHC	1.479	1.490	-0.7	75	0.00	7.79- 7.85
9	MB	Aldrin	1.508	1.601	-6.2	84	0.00	8.36- 8.42
10		alachlor	0.170	0.182	-7.1	86	0.00	8.15- 8.21
11	B	Heptachlor Epoxide	1.264	1.323	-4.7	82	0.00	9.20- 9.26
12	B	gamma-Chlordane	1.218	1.286	-5.6	84	0.00	9.50- 9.56
13	B	alpha-Chlordane	1.167	1.159	0.7	79	0.00	9.73- 9.79
14	A	Endosulfan I	1.125	1.148	-2.0	83	0.00	9.83- 9.89
15	B	4,4'-DDE	1.074	1.108	-3.2	82	0.00	9.99-10.05
16	MA	Dieldrin	1.107	1.167	-5.4	82	0.00	10.27-10.33
17	MA	Endrin	0.939	0.970	-3.3	81	0.00	10.79-10.85
18	A	4,4'-DDD	0.738	0.774	-4.9	82	0.00	10.96-11.02
19	B	Endosulfan II	0.911	0.930	-2.1	82	0.00	11.14-11.20
		---------- True Calc. % Drift ----------						
20	MA	4,4'-DDT	2.500	2.642	-5.7	78	0.00	11.50-11.56
		---------- AvgRF CCRF % Dev ----------						
21	B	Endrin Aldehyde	0.679	0.735	-8.2	91	0.00	11.72-11.78
22	B	Endosulfan Sulfate	0.724	0.728	-0.6	81	0.00	12.20-12.26
		---------- True Calc. % Drift ----------						
23	A	Methoxychlor	2.500	2.706	-8.2	83	0.00	12.74-12.80
		---------- AvgRF CCRF % Dev ----------						
24		Mirex	0.654	0.662	-1.2	84	0.00	13.08-13.14
25	B	Endrin Ketone	0.822	0.862	-4.9	83	0.00	13.13-13.19
26	SA	Decachlorobiphenyl	0.577	0.624	-8.1	88	0.00	14.72-14.78
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	79	0.00	4.73- 5.73
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	79	0.00	4.73- 5.73
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				

Initial Calibration Verification

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G4G4506-ICV4506
Lab FileID: 4G9741763.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
4g9741759.d 4PSTLVI4506.M Tue Nov 26 05:31:37 2024

Initial Calibration Verification

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G4G4506-ICV4506
Lab FileID: 4G9741765.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\g4...\4g9741765.d\ECD1A.ch Vial: 13
Signal #2 : C:\msdchem\1\data\g4g4506\4g9741765.d\ECD2B.ch
Acq On : 25 Nov 2024 8:13 pm Operator: mahalial
Sample : icv4506-50 (chlordane) Inst : GC4G
Misc : op59415,g4g4506,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\MSDCHEM\1\METHODS\4PSTLVI4506.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Tue Nov 26 05:35:34 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	98	0.00	4.41- 5.41
2	SAB	Tetrachloro-m-xylene	0.647	0.697	-7.7	103	0.00	5.56- 5.62
3		hexachlorobenzene		----------NA----------				
		---------- True	Calc.	% Drift	----------			
4	A	alpha-BHC		----------NA----------				
		---------- AvgRF	CCRF	% Dev	----------			
5	MA	gamma-BHC		----------NA----------				
6	MA	Heptachlor		----------NA----------				
7	B	beta-BHC		----------NA----------				
8	B	delta-BHC		----------NA----------				
9	MB	Aldrin		----------NA----------				
10		alachlor		----------NA----------				
11	B	Heptachlor Epoxide		----------NA----------				
12	B	gamma-Chlordane		----------NA----------				
13	B	alpha-Chlordane		----------NA----------				
14	A	Endosulfan I		----------NA----------				
15	B	4,4'-DDE		----------NA----------				
16	MA	Dieldrin		----------NA----------				
17	MA	Endrin		----------NA----------				
18	A	4,4'-DDD		----------NA----------				
19	B	Endosulfan II		----------NA----------				
		---------- True	Calc.	% Drift	----------			
20	MA	4,4'-DDT		----------NA----------				
		---------- AvgRF	CCRF	% Dev	----------			
21	B	Endrin Aldehyde		----------NA----------				
22	B	Endosulfan Sulfate		----------NA----------				
23	A	Methoxychlor		----------NA----------				
24		Mirex		----------NA----------				
25	B	Endrin Ketone		----------NA----------				
26	SA	Decachlorobiphenyl	0.942	0.972	-3.2	102	0.00	13.08-13.14
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	98	0.00	4.41- 5.41
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				

Initial Calibration Verification

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G4G4506-ICV4506
Lab FileID: 4G9741765.D

33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	109	0.00	4.41- 5.41
34		Chlordane {A}	0.095	0.091	4.2	104	0.00	6.85- 7.05
35		Chlordane {B}	0.051	0.052	-2.0	111	0.00	7.35- 7.55
36		Chlordane {C}	0.205	0.202	1.5	107	0.00	8.11- 8.31
37		Chlordane {D}	0.324	0.314	3.1	106	0.00	8.28- 8.48
38		Chlordane {E}	0.043	0.041	4.7	105	0.00	9.36- 9.56

***** Signal #2 *****

1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	99	0.00	4.73- 5.73
2	SAB	Tetrachloro-m-xylene	1.019	1.082	-6.2	104	0.00	6.12- 6.18
3		hexachlorobenzene		----------NA----------				
4	A	alpha-BHC		----------NA----------				
5	MA	gamma-BHC		----------NA----------				
6	MA	Heptachlor		----------NA----------				
7	B	beta-BHC		----------NA----------				
8	B	delta-BHC		----------NA----------				
9	MB	Aldrin		----------NA----------				
10		alachlor		----------NA----------				
11	B	Heptachlor Epoxide		----------NA----------				
12	B	gamma-Chlordane		----------NA----------				
13	B	alpha-Chlordane		----------NA----------				
14	A	Endosulfan I		----------NA----------				
15	B	4,4'-DDE		----------NA----------				
16	MA	Dieldrin		----------NA----------				
17	MA	Endrin		----------NA----------				
18	A	4,4'-DDD		----------NA----------				
19	B	Endosulfan II		----------NA----------				
		----------	True	Calc.	% Drift	----------		
20	MA	4,4'-DDT		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
21	B	Endrin Aldehyde		----------NA----------				
22	B	Endosulfan Sulfate		----------NA----------				
		----------	True	Calc.	% Drift	----------		
23	A	Methoxychlor		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
24		Mirex		----------NA----------				
25	B	Endrin Ketone		----------NA----------				
26	SA	Decachlorobiphenyl	0.577	0.622	-7.8	111	0.00	14.72-14.78
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	99	0.00	4.73- 5.73
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	109	0.00	4.73- 5.73
34		Chlordane {A}	0.099	0.094	5.1	104	0.00	7.82- 8.02
35		Chlordane {B}	0.055	0.052	5.5	103	0.00	8.49- 8.69
36		Chlordane {C}	0.176	0.165	6.2	102	0.00	9.43- 9.63
37		Chlordane {D}	0.277	0.259	6.5	102	0.00	9.66- 9.86
38		Chlordane {E}	0.035	0.033	5.7	104	0.00	11.15-11.35

Initial Calibration Verification

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G4G4506-ICV4506
Lab FileID: 4G9741765.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
4g9741764.d 4PSTLVI4506.M Tue Nov 26 05:37:05 2024

Initial Calibration Verification

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G4G4506-ICV4506
Lab FileID: 4G9741767.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\g4...\4g9741767.d\ECD1A.ch Vial: 15
Signal #2 : C:\msdchem\1\data\g4g4506\4g9741767.d\ECD2B.ch
Acq On : 25 Nov 2024 8:59 pm Operator: mahalial
Sample : icv4506-50 (toxaphene) Inst : GC4G
Misc : op59415,g4g4506,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\MSDCHEM\1\METHODS\4PSTLVI4506.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Tue Nov 26 05:57:51 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	114	0.00	4.41- 5.41
2	SAB	Tetrachloro-m-xylene		----------NA----------				
3		hexachlorobenzene		----------NA----------				
		---------- True	Calc.	% Drift ----------				
4	A	alpha-BHC		----------NA----------				
		---------- AvgRF	CCRF	% Dev ----------				
5	MA	gamma-BHC		----------NA----------				
6	MA	Heptachlor		----------NA----------				
7	B	beta-BHC		----------NA----------				
8	B	delta-BHC		----------NA----------				
9	MB	Aldrin		----------NA----------				
10		alachlor		----------NA----------				
11	B	Heptachlor Epoxide		----------NA----------				
12	B	gamma-Chlordane		----------NA----------				
13	B	alpha-Chlordane		----------NA----------				
14	A	Endosulfan I		----------NA----------				
15	B	4,4'-DDE		----------NA----------				
16	MA	Dieldrin		----------NA----------				
17	MA	Endrin		----------NA----------				
18	A	4,4'-DDD		----------NA----------				
19	B	Endosulfan II		----------NA----------				
		---------- True	Calc.	% Drift ----------				
20	MA	4,4'-DDT		----------NA----------				
		---------- AvgRF	CCRF	% Dev ----------				
21	B	Endrin Aldehyde		----------NA----------				
22	B	Endosulfan Sulfate		----------NA----------				
23	A	Methoxychlor		----------NA----------				
24		Mirex		----------NA----------				
25	B	Endrin Ketone		----------NA----------				
26	SA	Decachlorobiphenyl		----------NA----------				
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	117	0.00	4.41- 5.41
28	L8	Toxaphene{A}	0.005	0.005	0.0	117	0.00	8.25- 8.45
29	L8	Toxaphene{B}	0.011	0.010	9.1	106	0.00	8.94- 9.14
30	L8	Toxaphene{C}	0.016	0.017	-6.3	124	0.00	9.97-10.17
31	L8	Toxaphene{D}	0.019	0.015	21.1#	91	0.00	10.48-10.68
32	L8	Toxaphene{E}	0.028	0.019	32.1#	81	0.00	10.63-10.83

Initial Calibration Verification

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G4G4506-ICV4506
Lab FileID: 4G9741767.D

33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	127	0.00	4.41- 5.41
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				

***** Signal #2 *****

1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	114	0.00	4.73- 5.73
2	SAB	Tetrachloro-m-xylene		----------NA----------				
3		hexachlorobenzene		----------NA----------				
4	A	alpha-BHC		----------NA----------				
5	MA	gamma-BHC		----------NA----------				
6	MA	Heptachlor		----------NA----------				
7	B	beta-BHC		----------NA----------				
8	B	delta-BHC		----------NA----------				
9	MB	Aldrin		----------NA----------				
10		alachlor		----------NA----------				
11	B	Heptachlor Epoxide		----------NA----------				
12	B	gamma-Chlordane		----------NA----------				
13	B	alpha-Chlordane		----------NA----------				
14	A	Endosulfan I		----------NA----------				
15	B	4,4'-DDE		----------NA----------				
16	MA	Dieldrin		----------NA----------				
17	MA	Endrin		----------NA----------				
18	A	4,4'-DDD		----------NA----------				
19	B	Endosulfan II		----------NA----------				
		----------	True	Calc.	% Drift	----------		
20	MA	4,4'-DDT		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
21	B	Endrin Aldehyde		----------NA----------				
22	B	Endosulfan Sulfate		----------NA----------				
		----------	True	Calc.	% Drift	----------		
23	A	Methoxychlor		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
24		Mirex		----------NA----------				
25	B	Endrin Ketone		----------NA----------				
26	SA	Decachlorobiphenyl		----------NA----------				
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	115	0.00	4.73- 5.73
28	L8	Toxaphene{A}	0.005	0.006	-20.0	124	0.00	10.35-10.55
29	L8	Toxaphene{B}	0.024	0.031	-29.2#	149	0.00	11.21-11.41
30	L8	Toxaphene{C}	0.010	0.009	10.0	104	0.00	11.53-11.73
31	L8	Toxaphene{D}	0.017	0.014	17.6	98	0.00	11.65-11.85
32	L8	Toxaphene{E}	0.016	0.015	6.3	105	0.00	12.57-12.77
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	125	0.00	4.73- 5.73
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				

Initial Calibration Verification

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G4G4506-ICV4506
Lab FileID: 4G9741767.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
4g9741766.d 4PSTLVI4506.M Tue Nov 26 06:00:17 2024

Continuing Calibration Summary

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G4G4521-CC4506
Lab FileID: 4G9742087.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\tr...\4g9742087.d\ECD1A.ch Vial: 4
Signal #2 : C:\msdchem\1\data\trude\g4g4521\4g9742087.d\ECD2B.ch
Acq On : 7 Dec 2024 8:13 am Operator: rebeccak
Sample : cc4506-5 Inst : GC4G
Misc : op59920,g4g4521,30,,,2,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\dat...21\4PSTLVI4506.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Mon Dec 09 01:12:57 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	96	0.00	4.39- 5.39
2	SAB	Tetrachloro-m-xylene	0.647	0.661	-2.2	96	0.00	5.54- 5.60
3		hexachlorobenzene	1.107	1.151	-4.0	96	0.00	5.90- 5.96
		----------	Amount	Calc.	%Drift			----------
4	A	alpha-BHC	5.000	5.180	-3.6	98	0.00	6.06- 6.12
		----------	AvgRF	CCRF	%Dev			----------
5	MA	gamma-BHC	1.388	1.603	-15.5	98	0.00	6.37- 6.43
6	MA	Heptachlor	1.535	1.722	-12.2	98	0.00	6.89- 6.95
7	B	beta-BHC	0.555	0.537	3.2	88	0.00	6.46- 6.52
8	B	delta-BHC	1.647	1.542	6.4	95	0.00	6.65- 6.71
9	MB	Aldrin	1.451	1.591	-9.6	94	0.00	7.24- 7.30
10		alachlor	0.148	0.140	5.4	92	0.00	7.40- 7.46
11	B	Heptachlor Epoxide	1.308	1.368	-4.6	92	0.00	7.99- 8.05
12	B	gamma-Chlordane	1.362	1.456	-6.9	94	0.00	8.15- 8.21
13	B	alpha-Chlordane	1.428	1.442	-1.0	94	0.00	8.33- 8.39
14	A	Endosulfan I	1.354	1.388	-2.5	92	0.00	8.51- 8.57
15	B	4,4'-DDE	1.092	1.243	-13.8	96	0.00	8.45- 8.51
16	MA	Dieldrin	1.417	1.482	-4.6	93	0.00	8.84- 8.90
17	MA	Endrin	1.277	1.378	-7.9	94	0.00	9.18- 9.24
18	A	4,4'-DDD	0.849	0.966	-13.8	97	0.00	9.30- 9.36
19	B	Endosulfan II	1.169	1.210	-3.5	92	0.00	9.50- 9.56
		----------	Amount	Calc.	%Drift			----------
20	MA	4,4'-DDT	5.000	5.892	-17.8	112	0.00	9.72- 9.78
		----------	AvgRF	CCRF	%Dev			----------
21	B	Endrin Aldehyde	0.893	0.865	3.1	94	0.00	10.14-10.20
22	B	Endosulfan Sulfate	0.992	1.028	-3.6	94	0.00	10.84-10.90
23	A	Methoxychlor	0.372	0.491	-32.0#	117	0.00	10.51-10.57
24		Mirex	0.885	0.861	2.7	92	0.00	10.67-10.73
25	B	Endrin Ketone	1.229	1.295	-5.4	95	0.00	11.28-11.34
26	SA	Decachlorobiphenyl	0.942	0.904	4.0	93	0.00	13.05-13.11
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	98	0.00	4.39- 5.39
28	L8	Toxaphene{A}	----------NA----------					
29	L8	Toxaphene{B}	----------NA----------					
30	L8	Toxaphene{C}	----------NA----------					
31	L8	Toxaphene{D}	----------NA----------					
32	L8	Toxaphene{E}	----------NA----------					

Continuing Calibration Summary

Job Number: JE1542 **Sample:** G4G4521-CC4506
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 4G9742087.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	107	0.00	4.39- 5.39
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				

***** Signal #2 *****

1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	61	0.00	4.71- 5.71
2	SAB	Tetrachloro-m-xylene	1.019	0.998	2.1	59	0.00	6.09- 6.15
3		hexachlorobenzene	1.295	1.186	8.4	57	0.00	6.64- 6.70
4	A	alpha-BHC	1.770	1.808	-2.1	57	0.00	6.80- 6.86
5	MA	gamma-BHC	1.545	1.587	-2.7	58	0.00	7.25- 7.31
6	MA	Heptachlor	1.503	1.573	-4.7	59	0.00	7.85- 7.91
7	B	beta-BHC	0.685	0.648	5.4	57	0.00	7.34- 7.40
8	B	delta-BHC	1.479	1.540	-4.1	57	0.00	7.75- 7.81
9	MB	Aldrin	1.508	1.484	1.6	57	0.00	8.32- 8.38
10		alachlor	0.170	0.176	-3.5	64	0.00	8.12- 8.18
11	B	Heptachlor Epoxide	1.264	1.333	-5.5	60	0.00	9.16- 9.22
12	B	gamma-Chlordane	1.218	1.300	-6.7	60	0.00	9.46- 9.52
13	B	alpha-Chlordane	1.167	1.255	-7.5	61	0.00	9.69- 9.75
14	A	Endosulfan I	1.125	1.206	-7.2	64	0.00	9.79- 9.85
15	B	4,4'-DDE	1.074	1.195	-11.3	64	0.00	9.95-10.01
16	MA	Dieldrin	1.107	1.270	-14.7	64	0.00	10.23-10.29
17	MA	Endrin	0.939	1.127	-20.0#	68	0.00	10.75-10.81
18	A	4,4'-DDD	0.738	0.890	-20.6#	68	0.00	10.92-10.98
19	B	Endosulfan II	0.911	1.043	-14.5	66	0.00	11.10-11.16
		----------	Amount	Calc.	%Drift	----------		
20	MA	4,4'-DDT	5.000	6.105	-22.1#	74	0.00	11.46-11.52
		----------	AvgRF	CCRF	%Dev	----------		
21	B	Endrin Aldehyde	0.679	0.743	-9.4	67	0.00	11.68-11.74
22	B	Endosulfan Sulfate	0.724	0.856	-18.2	69	0.00	12.16-12.22
		----------	Amount	Calc.	%Drift	----------		
23	A	Methoxychlor	5.000	6.737	-34.7#	83	0.00	12.70-12.76
		----------	AvgRF	CCRF	%Dev	----------		
24		Mirex	0.654	0.721	-10.2	68	0.00	13.04-13.10
25	B	Endrin Ketone	0.822	1.079	-31.3#	75	0.00	13.09-13.15
26	SA	Decachlorobiphenyl	0.577	0.696	-20.6#	76	0.00	14.69-14.75
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	62	0.00	4.71- 5.71
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	67	0.00	4.71- 5.71
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				

Continuing Calibration Summary

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G4G4521-CC4506
Lab FileID: 4G9742087.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
4g9742082.d 4PSTLVI4506.M Mon Dec 09 01:20:02 2024

Continuing Calibration Summary

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G4G4522-CC4506
Lab FileID: 4G9742112.D

Evaluate Continuing Calibration Report

Signal #1 : V:\completed\2024\12...\4g9742112.d\ECD1A.ch Vial: 2
Signal #2 : V:\completed\2024\12. De...4522\4g9742112.d\ECD2B.ch
Acq On : 8 Dec 2024 8:32 am Operator: rebeccak
Sample : cc4506-2.5 Inst : GC4G
Misc : op59854,g4g4522,5.06,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : X:\Dayton SVOA G...22\4PSTLVI4506.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Mon Dec 09 10:11:39 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	120	0.00	4.39- 5.39
2	SAB	Tetrachloro-m-xylene	0.647	0.615	4.9	115	0.00	5.54- 5.60
3		hexachlorobenzene	1.107	1.107	0.0	119	0.00	5.90- 5.96
		---------- True Calc. % Drift ----------						
4	A	alpha-BHC	2.500	2.545	-1.8	120	0.00	6.06- 6.12
		---------- AvgRF CCRF % Dev ----------						
5	MA	gamma-BHC	1.388	1.476	-6.3	121	0.00	6.37- 6.43
6	MA	Heptachlor	1.535	1.597	-4.0	118	0.00	6.89- 6.95
7	B	beta-BHC	0.555	0.500	9.9	110	0.00	6.46- 6.52
8	B	delta-BHC	1.647	1.412	14.3	115	0.00	6.65- 6.71
9	MB	Aldrin	1.451	1.430	1.4	114	0.00	7.24- 7.30
10		alachlor	0.148	0.134	9.5	109	0.00	7.40- 7.46
11	B	Heptachlor Epoxide	1.308	1.169	10.6	108	0.00	7.99- 8.05
12	B	gamma-Chlordane	1.362	1.341	1.5	117	0.00	8.16- 8.22
13	B	alpha-Chlordane	1.428	1.274	10.8	111	0.00	8.33- 8.39
14	A	Endosulfan I	1.354	1.215	10.3	108	0.00	8.52- 8.58
15	B	4,4'-DDE	1.092	1.210	-10.8	122	0.00	8.45- 8.51
16	MA	Dieldrin	1.417	1.341	5.4	112	0.00	8.85- 8.91
17	MA	Endrin	1.277	1.257	1.6	114	0.00	9.18- 9.24
18	A	4,4'-DDD	0.849	0.900	-6.0	122	0.00	9.30- 9.36
19	B	Endosulfan II	1.169	1.084	7.3	110	0.00	9.51- 9.57
		---------- True Calc. % Drift ----------						
20	MA	4,4'-DDT	2.500	2.988	-19.5	139	0.00	9.72- 9.78
		---------- AvgRF CCRF % Dev ----------						
21	B	Endrin Aldehyde	0.893	0.812	9.1	115	0.00	10.15-10.21
22	B	Endosulfan Sulfate	0.992	0.874	11.9	106	0.00	10.84-10.90
23	A	Methoxychlor	0.372	0.465	-25.0#	139	0.00	10.51-10.57
24		Mirex	0.885	0.733	17.2	103	0.00	10.68-10.74
25	B	Endrin Ketone	1.229	1.061	13.7	102	0.00	11.28-11.34
26	SA	Decachlorobiphenyl	0.942	0.732	22.3#	99	0.00	13.06-13.12
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	120	0.00	4.39- 5.39
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				

8.9.6

Continuing Calibration Summary

Job Number: JE1542 **Sample:** G4G4522-CC4506
Account: MTXFPNJ Matrix New World Engineering, Inc. **Lab FileID:** 4G9742112.D
Project: Ridgewood Berm Sampling, Ridgewood, NJ

33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	120	0.00	4.39- 5.39
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				

***** Signal #2 *****

1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	74	0.00	4.71- 5.71
2	SAB	Tetrachloro-m-xylene	1.019	0.954	6.4	69	0.00	6.09- 6.15
3		hexachlorobenzene	1.295	1.142	11.8	66	0.00	6.64- 6.70
4	A	alpha-BHC	1.770	1.715	3.1	68	0.00	6.80- 6.86
5	MA	gamma-BHC	1.545	1.495	3.2	68	0.00	7.26- 7.32
6	MA	Heptachlor	1.503	1.445	3.9	69	0.00	7.86- 7.92
7	B	beta-BHC	0.685	0.615	10.2	67	0.00	7.35- 7.41
8	B	delta-BHC	1.479	1.463	1.1	68	0.00	7.76- 7.82
9	MB	Aldrin	1.508	1.384	8.2	67	0.00	8.33- 8.39
10		alachlor	0.170	0.176	-3.5	78	0.00	8.12- 8.18
11	B	Heptachlor Epoxide	1.264	1.258	0.5	73	0.00	9.17- 9.23
12	B	gamma-Chlordane	1.218	1.197	1.7	73	0.00	9.47- 9.53
13	B	alpha-Chlordane	1.167	1.189	-1.9	75	0.00	9.69- 9.75
14	A	Endosulfan I	1.125	1.155	-2.7	77	0.00	9.79- 9.85
15	B	4,4'-DDE	1.074	1.130	-5.2	78	0.00	9.96-10.02
16	MA	Dieldrin	1.107	1.172	-5.9	77	0.00	10.24-10.30
17	MA	Endrin	0.939	1.072	-14.2	83	0.00	10.75-10.81
18	A	4,4'-DDD	0.738	0.857	-16.1	84	0.00	10.93-10.99
19	B	Endosulfan II	0.911	0.964	-5.8	79	0.00	11.11-11.17
		---------- True		Calc.	% Drift			----------
20	MA	4,4'-DDT	2.500	3.193	-27.7#	91	0.00	11.47-11.53
		---------- AvgRF		CCRF	% Dev			----------
21	B	Endrin Aldehyde	0.679	0.714	-5.2	82	0.00	11.69-11.75
22	B	Endosulfan Sulfate	0.724	0.773	-6.8	80	0.00	12.16-12.22
		---------- True		Calc.	% Drift			----------
23	A	Methoxychlor	2.500	3.400	-36.0#	99	0.00	12.71-12.77
		---------- AvgRF		CCRF	% Dev			----------
24		Mirex	0.654	0.655	-0.2	77	0.00	13.05-13.11
25	B	Endrin Ketone	0.822	0.960	-16.8	86	0.00	13.10-13.16
26	SA	Decachlorobiphenyl	0.577	0.618	-7.1	81	0.00	14.70-14.76
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	74	0.00	4.71- 5.71
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	74	0.00	4.71- 5.71
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				

8.9.6

8

Continuing Calibration Summary

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: G4G4522-CC4506
Lab FileID: 4G9742112.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
4g9741759.d 4PSTLVI4506.M Mon Dec 09 12:18:38 2024

Run Sequence Report

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: G4G4506	**Method:** SW846 8081B	**Instrument ID:** GC4G

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G4G4506-DDT	4G9741753.D	11/25/24 15:37	n/a	DDT/Endrin Breakdown Check
G4G4506-IC4506	4G9741755.D	11/25/24 16:24	n/a	Initial cal 0.1
G4G4506-IC4506	4G9741756.D	11/25/24 16:47	n/a	Initial cal 0.2
G4G4506-IC4506	4G9741757.D	11/25/24 17:10	n/a	Initial cal 0.5
G4G4506-IC4506	4G9741758.D	11/25/24 17:33	n/a	Initial cal 1
G4G4506-ICC4506	4G9741759.D	11/25/24 17:56	n/a	Initial cal 2.5
G4G4506-IC4506	4G9741760.D	11/25/24 18:19	n/a	Initial cal 5
G4G4506-IC4506	4G9741761.D	11/25/24 18:41	n/a	Initial cal 7.5
G4G4506-IC4506	4G9741762.D	11/25/24 19:04	n/a	Initial cal 10
G4G4506-ICV4506	4G9741763.D	11/25/24 19:27	n/a	Initial cal verification 2.5
G4G4506-IC4506	4G9741764.D	11/25/24 19:50	n/a	Initial cal 50
G4G4506-ICV4506	4G9741765.D	11/25/24 20:13	n/a	Initial cal verification 50
G4G4506-IC4506	4G9741766.D	11/25/24 20:36	n/a	Initial cal 50
G4G4506-ICV4506	4G9741767.D	11/25/24 20:59	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: G4G4521	**Method:** SW846 8081B	**Instrument ID:** GC4G

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G4G4521-DDT	4G9742081.D	12/07/24 05:49	n/a	DDT/Endrin Breakdown Check
G4G4521-CC4506	4G9742082.D	12/07/24 06:13	n/a	Continuing cal 2.5
OP59920-BS1	4G9742084.D	12/07/24 07:01	OP59920	Blank Spike
OP59920-MS	4G9742085.D	12/07/24 07:25	OP59920	Matrix Spike
OP59920-LS52	4G9742085.D	12/07/24 07:25	OP59920	Leachate Spike
OP59920-MSD	4G9742086.D	12/07/24 07:49	OP59920	Matrix Spike Duplicate
G4G4521-CC4506	4G9742087.D	12/07/24 08:13	n/a	Continuing cal 5
OP59854-MB1	4G9742089.D	12/07/24 09:01	OP59854	Method Blank
OP59854-BS1	4G9742090.D	12/07/24 09:25	OP59854	Blank Spike
OP59854-MS	4G9742091.D	12/07/24 09:49	OP59854	Matrix Spike
OP59854-MSD	4G9742092.D	12/07/24 10:13	OP59854	Matrix Spike Duplicate
JE1510-1	4G9742093.D	12/07/24 10:37	OP59854	(used for QC only; not part of job JE1542)
ZZZZZZ	4G9742094.D	12/07/24 11:02	OP59854	(unrelated sample)
ZZZZZZ	4G9742095.D	12/07/24 11:26	OP59854	(unrelated sample)
ZZZZZZ	4G9742096.D	12/07/24 11:50	OP59854	(unrelated sample)
ZZZZZZ	4G9742099.D	12/07/24 13:02	OP59854	(unrelated sample)
ZZZZZZ	4G9742100.D	12/07/24 13:26	OP59854	(unrelated sample)
ZZZZZZ	4G9742104.D	12/07/24 15:02	OP59854	(unrelated sample)
ZZZZZZ	4G9742105.D	12/07/24 15:26	OP59854	(unrelated sample)
ZZZZZZ	4G9742106.D	12/07/24 15:50	OP59854	(unrelated sample)
ZZZZZZ	4G9742107.D	12/07/24 16:15	OP59854	(unrelated sample)
JE1542-1R	4G9742108.D	12/07/24 16:39	OP59854	GRID-20R

Run Sequence Report

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Run ID: G4G4522	**Method:** SW846 8081B	**Instrument ID:** GC4G

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G4G4522-DDT	4G9742111.D	12/08/24 08:07	n/a	DDT/Endrin Breakdown Check
G4G4522-CC4506	4G9742112.D	12/08/24 08:32	n/a	Continuing cal 2.5
OP59859-MB1	4G9742114.D	12/08/24 09:20	OP59859	Method Blank
OP59859-MS	4G9742116.D	12/08/24 10:08	OP59859	Matrix Spike
OP59859-MSD	4G9742117.D	12/08/24 10:33	OP59859	Matrix Spike Duplicate
JE1593-1	4G9742118.D	12/08/24 10:57	OP59859	(used for QC only; not part of job JE1542)
ZZZZZZ	4G9742119.D	12/08/24 11:21	OP59859	(unrelated sample)
ZZZZZZ	4G9742120.D	12/08/24 11:44	OP59859	(unrelated sample)
ZZZZZZ	4G9742121.D	12/08/24 12:08	OP59859	(unrelated sample)
ZZZZZZ	4G9742122.D	12/08/24 12:32	OP59859	(unrelated sample)
ZZZZZZ	4G9742123.D	12/08/24 12:56	OP59859	(unrelated sample)
ZZZZZZ	4G9742124.D	12/08/24 13:19	OP59859	(unrelated sample)
ZZZZZZ	4G9742125.D	12/08/24 13:43	OP59859	(unrelated sample)
ZZZZZZ	4G9742126.D	12/08/24 14:07	OP59859	(unrelated sample)
ZZZZZZ	4G9742127.D	12/08/24 14:30	OP59859	(unrelated sample)
ZZZZZZ	4G9742128.D	12/08/24 14:54	OP59859	(unrelated sample)
ZZZZZZ	4G9742129.D	12/08/24 15:18	OP59859	(unrelated sample)
ZZZZZZ	4G9742130.D	12/08/24 15:41	OP59859	(unrelated sample)
ZZZZZZ	4G9742131.D	12/08/24 16:05	OP59859	(unrelated sample)

GC/LC Semi-volatiles

Raw Data

Manual Integrations APPROVED (compounds with "m" flag)
Syra Marie Pacheco 12/09/24 02:15

Quantitation Report (QT Reviewed)

Data Path : V:\completed\2024\12. December\12-09-2024\g4g4521\
Data File : 4g9742108.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Dec 2024 4:39 pm
Operator : rebeccak
Sample : je1542-1r m
Misc : op59854,g4g4521,5.06,,,10,1
ALS Vial : 73 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 09 06:36:04 2024
Quant Method : C:\msdchem\1\data\trude\g4g4521\4PSTLVI4506.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 09 01:12:57 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1)	I 1-bromo-2...	4.891	5.209	981.0E6	341.9E6	5.000	5.000
27)	I 1-bromo-2...	4.891	5.209	981.0E6	341.9E6	5.000	5.000
33)	I 1-bromo-2...	4.891	5.209	981.0E6	341.9E6	5.000	5.000
	System Monitoring Compounds						
2)	SAB Tetrachlo...	5.569	6.122	526.2E6	303.4E6	4.148	4.354
	Spiked Amount 40.000	Range 30 - 150		Recovery =		10.37%#	10.89%#
26)	SA Decachlor...	13.084	14.724	1458.3E6	296.8E6	7.888	7.521m
	Spiked Amount 40.000			Recovery =		19.72%	18.80%
	Target Compounds						
12)	B gamma-Chl...	8.193	9.496	188.7E6	45147625	0.706m	0.542m
13)	B alpha-Chl...	8.385f	9.723	71248440	22507591	0.254	0.282
14)	A Endosulfan I	8.548	9.839f	132.9E6	31559191	0.500m	0.410m
15)	B 4,4'-DDE	8.475	9.986	319.5E6	47185879	1.492	0.643 #
20)	MA 4,4'-DDT	9.743	11.511f	726.7E6	82949055	4.394m	2.289m#
	SemiQuant Compounds - Not Calibrated on this Instrument						

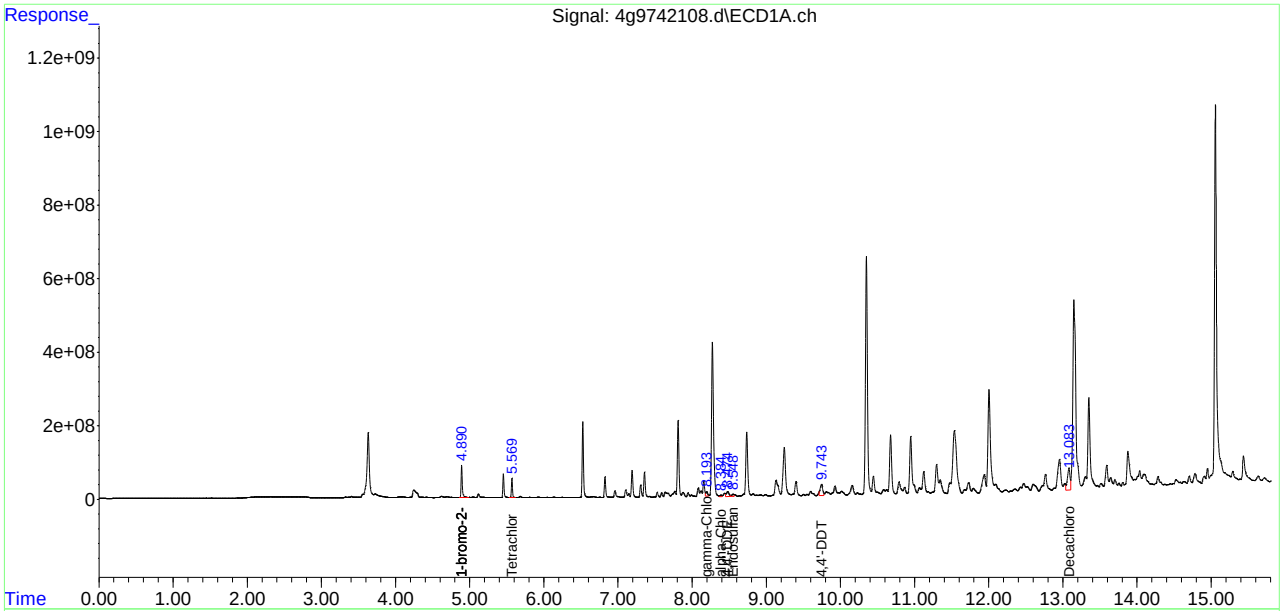
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

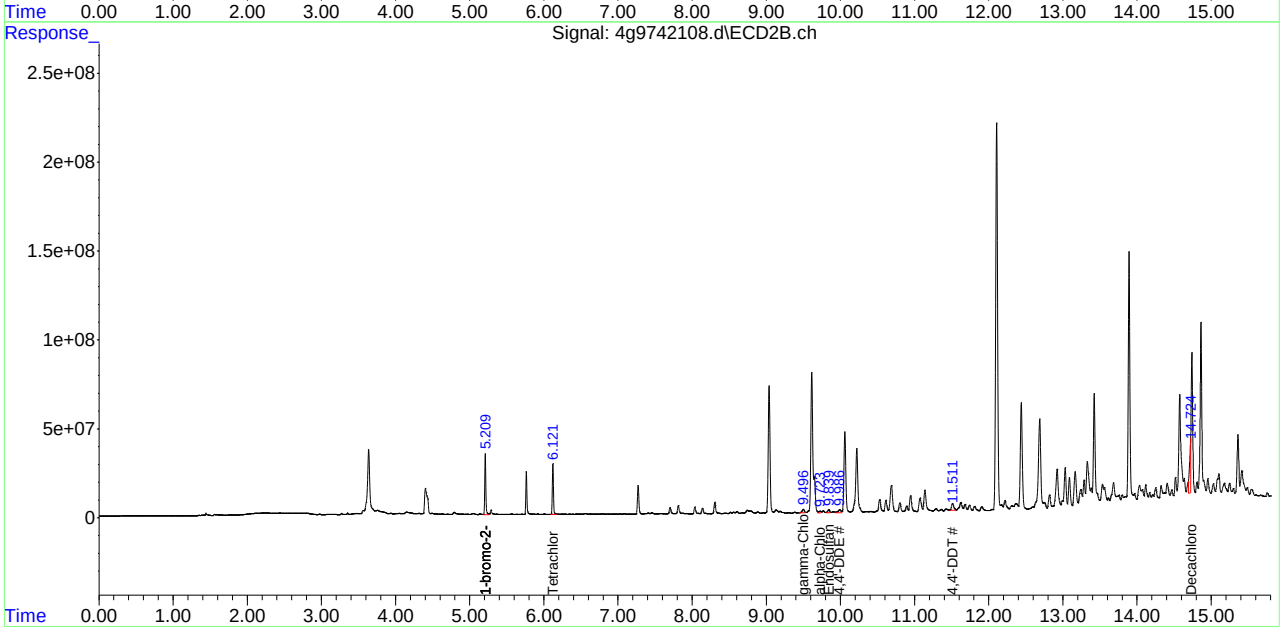
Quantitation Report (QT Reviewed)

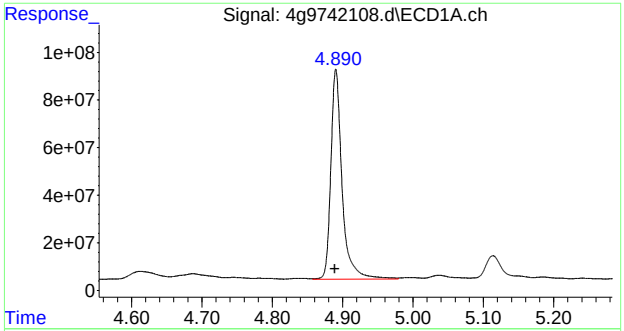
Data Path : V:\completed\2024\12. December\12-09-2024\g4g4521\
Data File : 4g9742108.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Dec 2024 4:39 pm
Operator : rebeccak
Sample : je1542-1r m
Misc : op59854,g4g4521,5.06,,,10,1
ALS Vial : 73 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 09 06:36:04 2024
Quant Method : C:\msdchem\1\data\trude\g4g4521\4PSTLVI4506.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 09 01:12:57 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

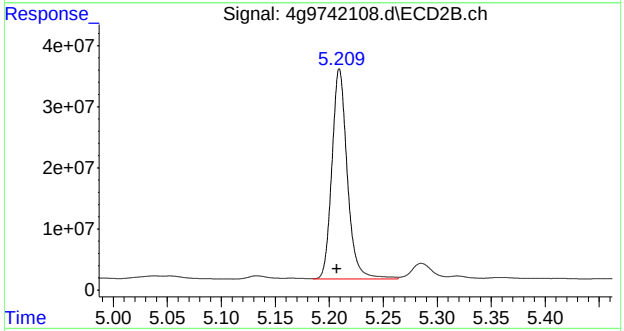






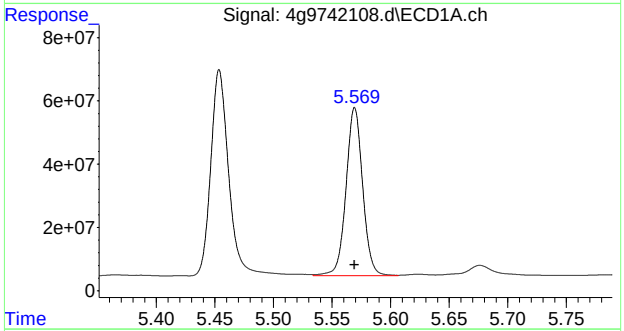
#1 1-bromo-2-nitrobenzene

R.T.: 4.891 min
Delta R.T.: 0.002 min
Response: 981045975
Conc: 5.00 PPB



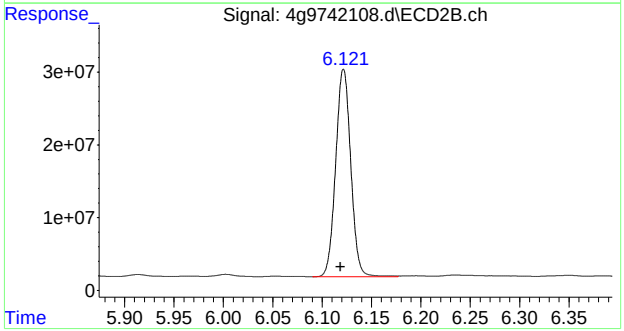
#1 1-bromo-2-nitrobenzene

R.T.: 5.209 min
Delta R.T.: 0.002 min
Response: 341861417
Conc: 5.00 PPB



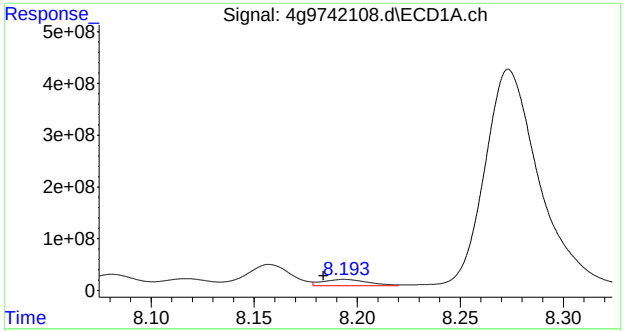
#2 Tetrachloro-m-xylene

R.T.: 5.569 min
Delta R.T.: 0.000 min
Response: 526246009
Conc: 4.15 PPB



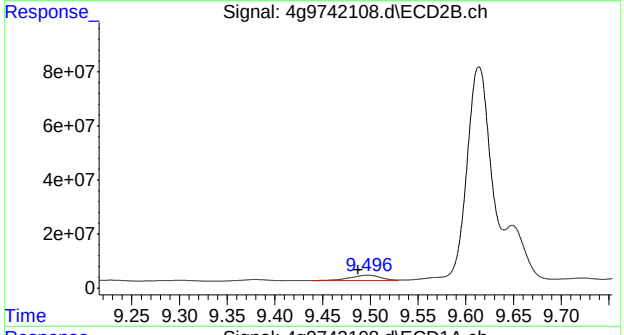
#2 Tetrachloro-m-xylene

R.T.: 6.122 min
Delta R.T.: 0.003 min
Response: 303413064
Conc: 4.35 PPB



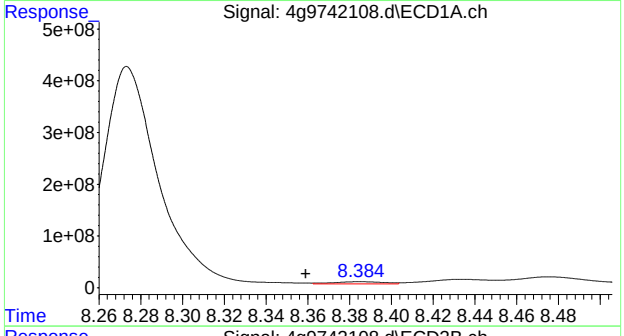
#12 gamma-Chlordane

R.T.: 8.193 min
Delta R.T.: 0.010 min
Response: 188672139
Conc: 0.71 PPB m



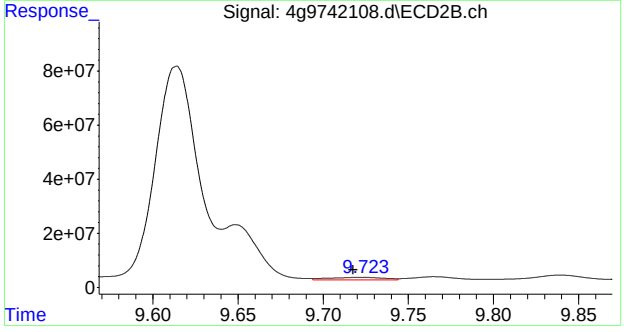
#12 gamma-Chlordane

R.T.: 9.496 min
Delta R.T.: 0.009 min
Response: 45147625
Conc: 0.54 PPB m



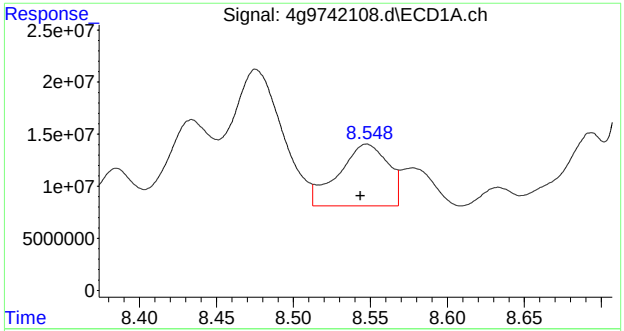
#13 alpha-Chlordane

R.T.: 8.385 min
Delta R.T.: 0.026 min
Response: 71248440
Conc: 0.25 PPB



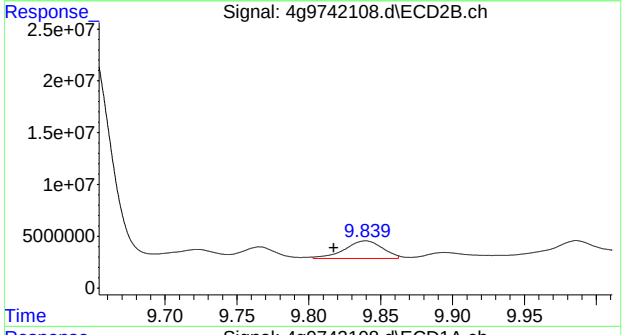
#13 alpha-Chlordane

R.T.: 9.723 min
Delta R.T.: 0.006 min
Response: 22507591
Conc: 0.28 PPB



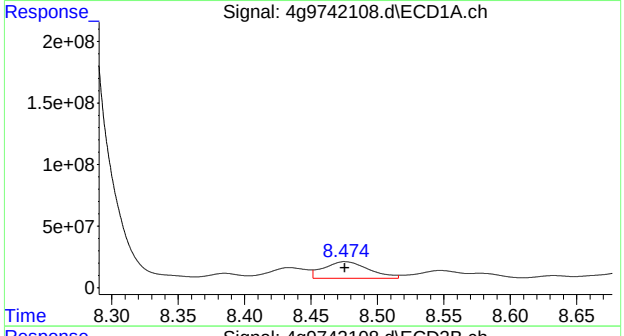
#14 Endosulfan I

R.T.: 8.548 min
Delta R.T.: 0.004 min
Response: 132931682
Conc: 0.50 PPB m



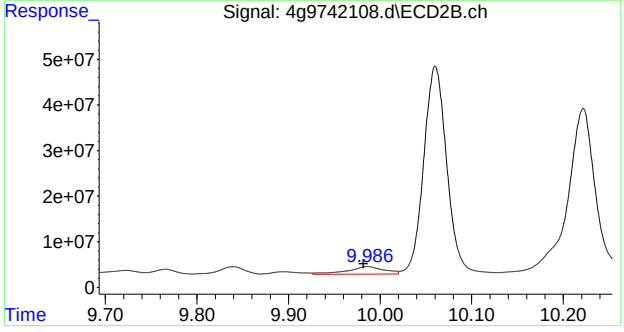
#14 Endosulfan I

R.T.: 9.839 min
Delta R.T.: 0.022 min
Response: 31559191
Conc: 0.41 PPB m



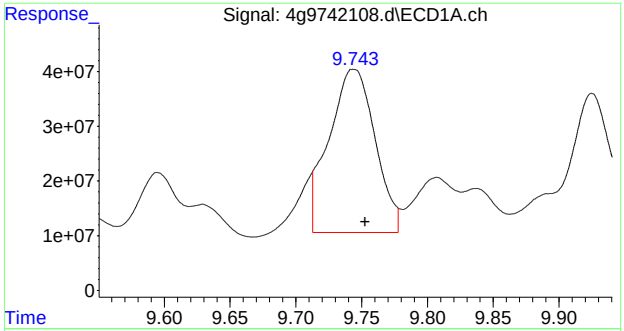
#15 4,4'-DDE

R.T.: 8.475 min
Delta R.T.: 0.000 min
Response: 319508541
Conc: 1.49 PPB



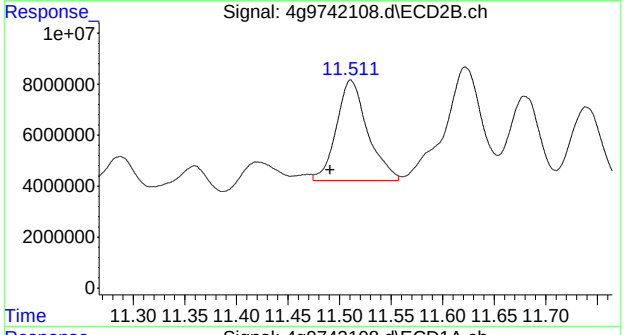
#15 4,4'-DDE

R.T.: 9.986 min
Delta R.T.: 0.005 min
Response: 47185879
Conc: 0.64 PPB



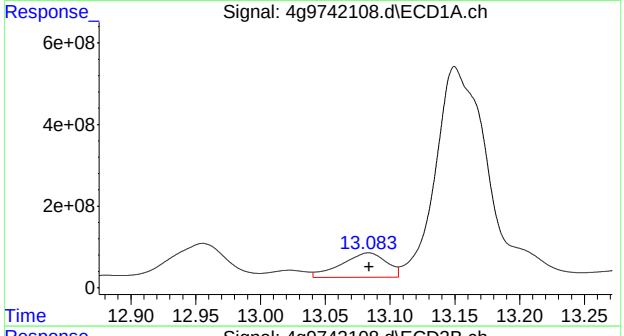
#20 4,4'-DDT

R.T.: 9.743 min
Delta R.T.: -0.009 min
Response: 726669669
Conc: 4.39 PPB m



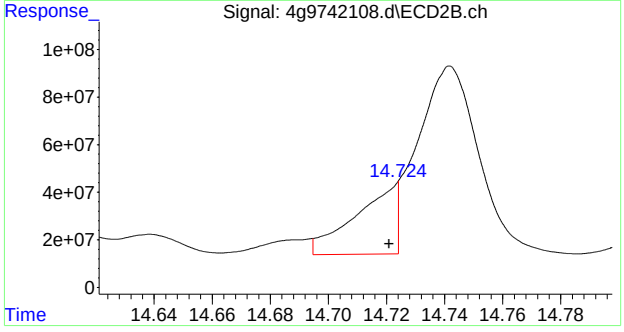
#20 4,4'-DDT

R.T.: 11.511 min
Delta R.T.: 0.020 min
Response: 82949055
Conc: 2.29 PPB m



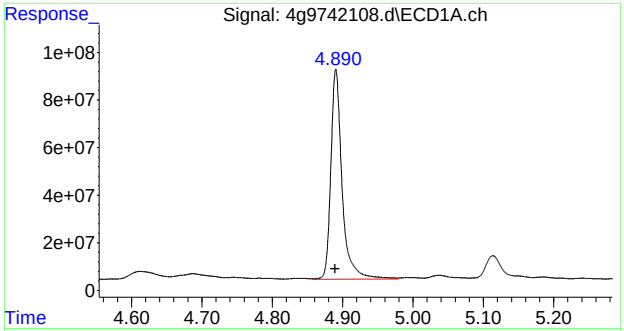
#26 Decachlorobiphenyl

R.T.: 13.084 min
Delta R.T.: 0.000 min
Response: 1458286402
Conc: 7.89 PPB



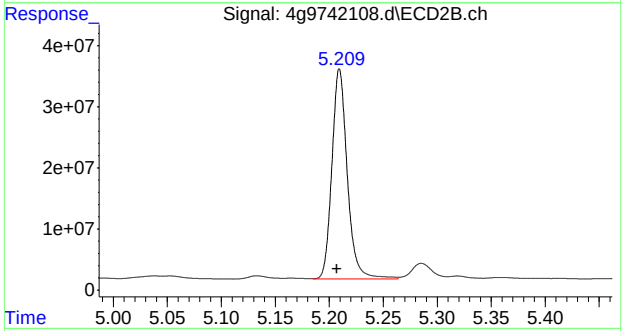
#26 Decachlorobiphenyl

R.T.: 14.724 min
Delta R.T.: 0.003 min
Response: 296777312
Conc: 7.52 PPB m



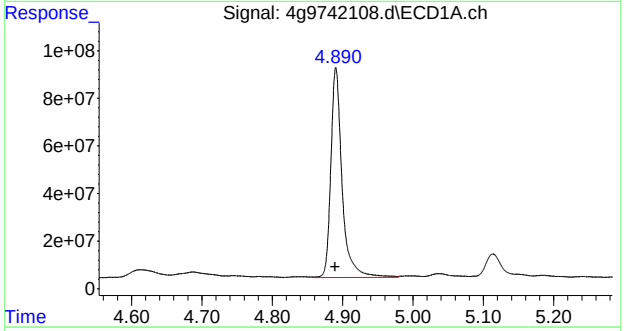
#27 1-bromo-2-nitrobenzeneA

R.T.: 4.891 min
Delta R.T.: 0.001 min
Response: 981045975
Conc: 5.00 PPB



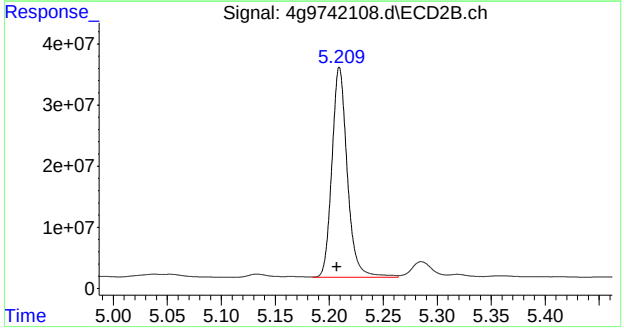
#27 1-bromo-2-nitrobenzeneA

R.T.: 5.209 min
Delta R.T.: 0.002 min
Response: 341861417
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 4.891 min
Delta R.T.: 0.001 min
Response: 981045975
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 5.209 min
Delta R.T.: 0.002 min
Response: 341861417
Conc: 5.00 PPB

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\trude\g4g4521\
Data File : 4g9742089.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Dec 2024 9:01 am
Operator : rebeccak
Sample : op59854-mb1 m
Misc : op59854,g4g4521,5.0,,,10,1
ALS Vial : 54 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 09 01:44:12 2024
Quant Method : C:\msdchem\1\data\trude\g4g4521\4PSTLVI4506.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 09 01:12:57 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1) I	1-bromo-2...	4.890	5.209	1462.0E6	540.1E6	5.000	5.000
27) I	1-bromo-2...	4.890	5.209	1462.0E6	540.1E6	5.000	5.000
33) I	1-bromo-2...	4.890	5.209	1462.0E6	540.1E6	5.000	5.000
	System Monitoring Compounds						
2) SAB	Tetrachlo...	5.570	6.122	581.4E6	336.3E6	3.075	3.055
	Spiked Amount 40.000	Range 30 - 150		Recovery =		7.69%#	7.64%#
26) SA	Decachlor...	13.084	14.724	828.6E6	234.9E6	3.007	3.768
	Spiked Amount 40.000			Recovery =		7.52%	9.42%
	Target Compounds						
	SemiQuant Compounds - Not Calibrated on this Instrument						

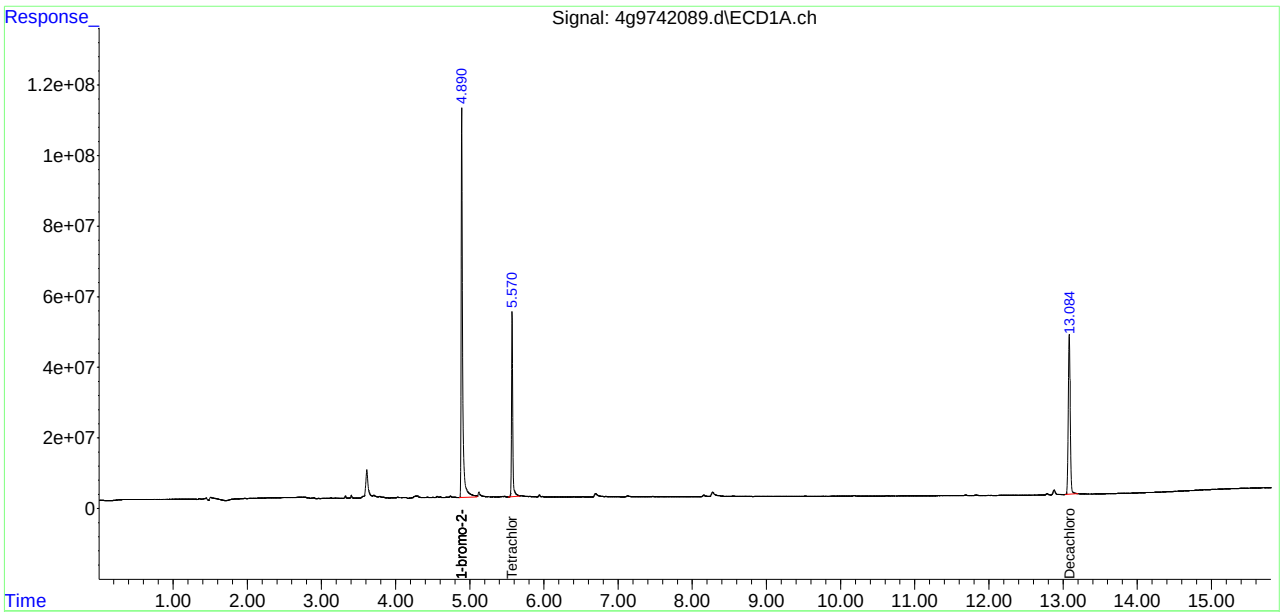
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

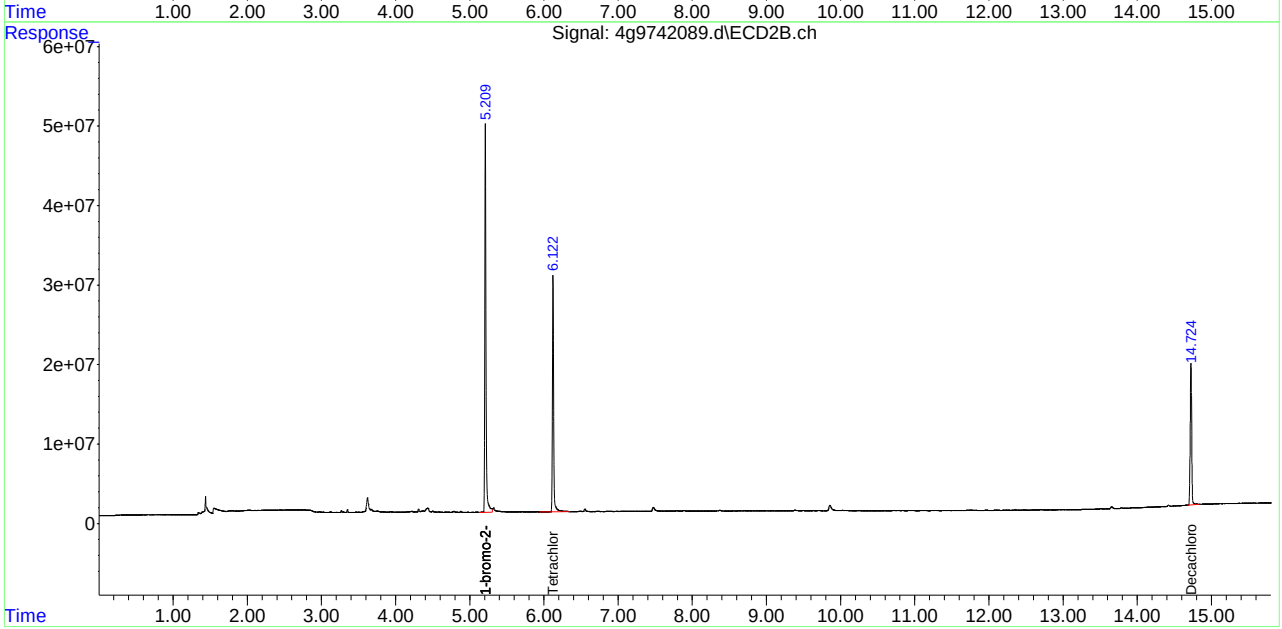
Quantitation Report (QT Reviewed)

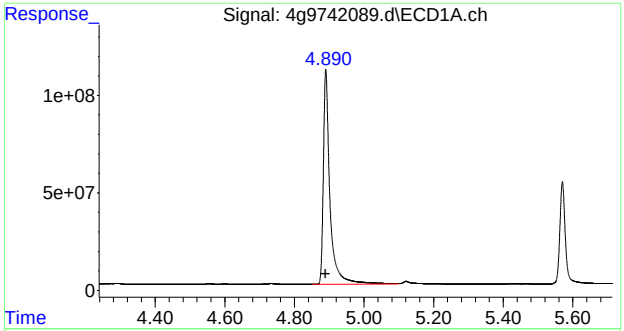
Data Path : C:\msdchem\1\data\trude\g4g4521\
Data File : 4g9742089.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Dec 2024 9:01 am
Operator : rebeccak
Sample : op59854-mb1 m
Misc : op59854,g4g4521,5.0,,,10,1
ALS Vial : 54 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 09 01:44:12 2024
Quant Method : C:\msdchem\1\data\trude\g4g4521\4PSTLVI4506.M
Quant Title : PEST/PCB
QLast Update : Mon Dec 09 01:12:57 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

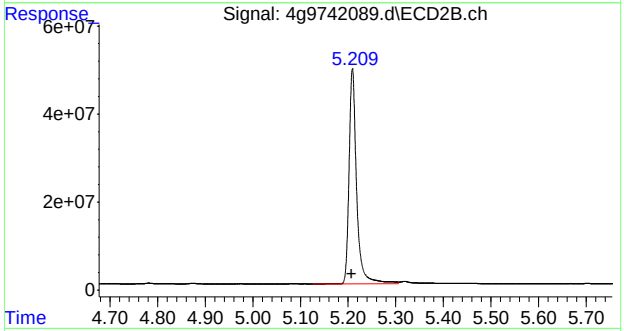






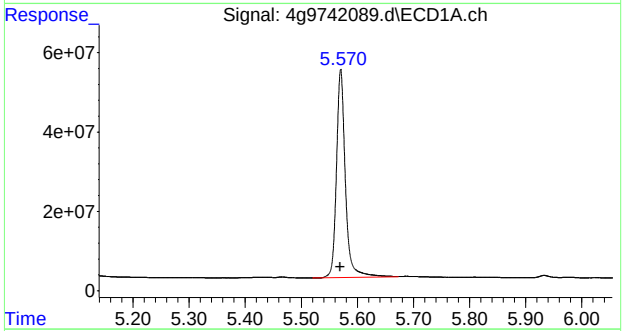
#1 1-bromo-2-nitrobenzene

R.T.: 4.890 min
Delta R.T.: 0.001 min
Response: 1461980335
Conc: 5.00 PPB



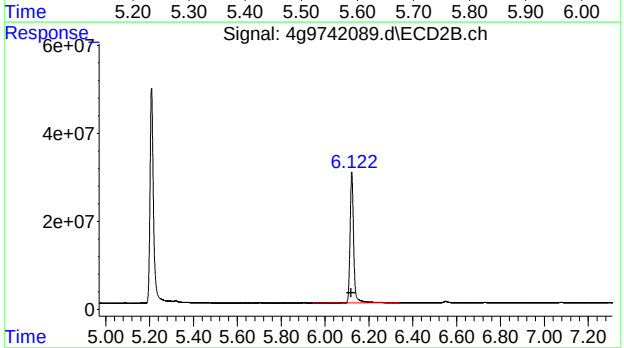
#1 1-bromo-2-nitrobenzene

R.T.: 5.209 min
Delta R.T.: 0.002 min
Response: 540052879
Conc: 5.00 PPB



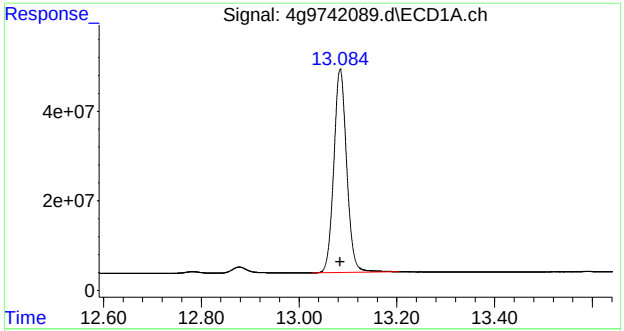
#2 Tetrachloro-m-xylene

R.T.: 5.570 min
Delta R.T.: 0.001 min
Response: 581431196
Conc: 3.08 PPB



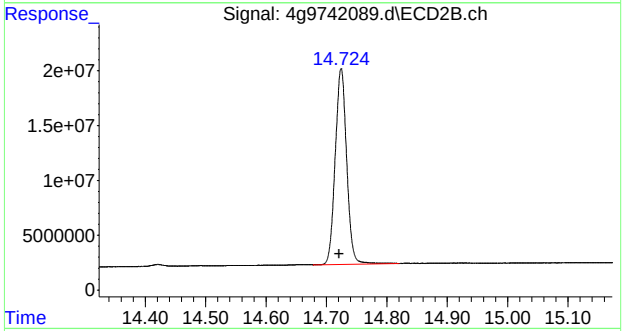
#2 Tetrachloro-m-xylene

R.T.: 6.122 min
Delta R.T.: 0.004 min
Response: 336258730
Conc: 3.05 PPB



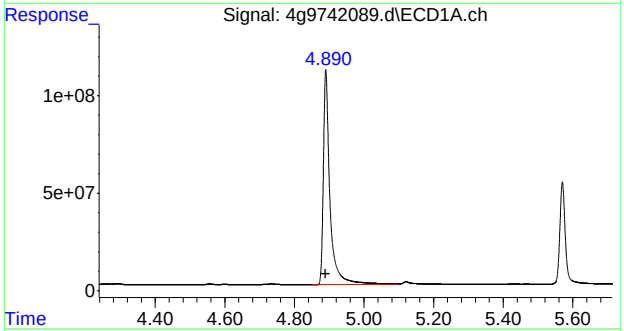
#26 Decachlorobiphenyl

R.T.: 13.084 min
Delta R.T.: 0.000 min
Response: 828554672
Conc: 3.01 PPB



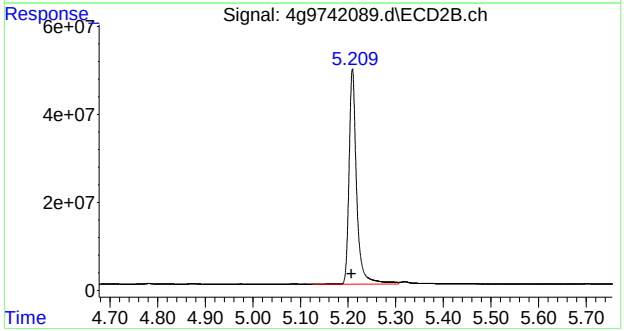
#26 Decachlorobiphenyl

R.T.: 14.724 min
Delta R.T.: 0.004 min
Response: 234862225
Conc: 3.77 PPB



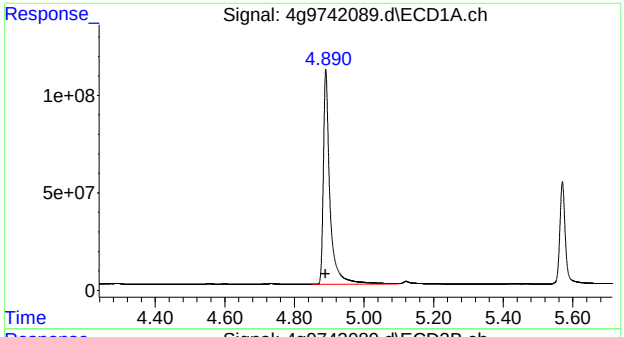
#27 1-bromo-2-nitrobenzeneA

R.T.: 4.890 min
Delta R.T.: 0.001 min
Response: 1461980335
Conc: 5.00 PPB



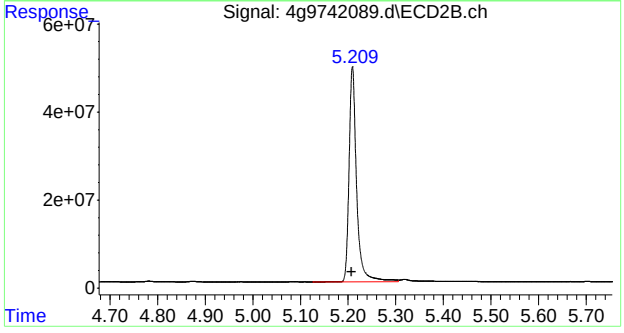
#27 1-bromo-2-nitrobenzeneA

R.T.: 5.209 min
Delta R.T.: 0.002 min
Response: 540052879
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 4.890 min
Delta R.T.: 0.001 min
Response: 1461980335
Conc: 5.00 PPB



#33 1-bromo-2-nitrobenzeneB

R.T.: 5.209 min
Delta R.T.: 0.002 min
Response: 540052879
Conc: 5.00 PPB

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g4g4506\
Data File : 4g9741759.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Nov 2024 5:56 pm
Operator : mahalial
Sample : icc4506-2.5 (pest mix)
Misc : op59415,g4g4506,5.0,,,10,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 26 04:55:25 2024
Quant Method : C:\MSDCHEM\1\METHODS\4PSTLVI4506.M
Quant Title : PEST/PCB
QLast Update : Tue Nov 26 04:50:10 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB	
		Internal Standards							
1)	I	1-bromo-2...	4.911	5.230	1354.8E6	787.1E6	5.000	5.000	
27)	I	1-bromo-2...	4.911	5.230	1354.8E6	787.1E6	5.000	5.000	
33)	I	1-bromo-2...	4.911	5.230	1354.8E6	787.1E6	5.000	5.000	
		System Monitoring Compounds							
2)	SAB	Tetrachlo...	5.590	6.144	432.4E6	401.8E6	1.780	2.367	#
		Spiked Amount	40.000	Range	30 - 150	Recovery	=	4.45%#	5.92%#
26)	SA	Decachlor...	13.106	14.744	596.6E6	221.6E6	2.340	2.948	#
		Spiked Amount	40.000			Recovery	=	5.85%	7.37%
		Target Compounds							
3)		hexachlor...	5.953	6.692	753.5E6	499.0E6	1.997	2.919	#
4)	A	alpha-BHC	6.109	6.858	1162.5E6	729.0E6	3.479	3.428	
5)	MA	gamma-BHC	6.426	7.309	988.8E6	633.4E6	3.071	3.255	
6)	MA	Heptachlor	6.947	7.914	1098.4E6	602.8E6	3.634	3.594	
7)	B	beta-BHC	6.513	7.402	368.1E6	265.1E6	2.524	2.869	
8)	B	delta-BHC	6.708	7.816	998.2E6	618.9E6	3.200	3.254	
9)	MB	Aldrin	7.297	8.384	1014.0E6	595.0E6	3.618	3.514	
10)		alachlor	7.456	8.182	99412386	65709904	2.272	2.567	
11)	B	Heptachlo...	8.042	9.232	881.1E6	500.3E6	3.355	3.245	
12)	B	gamma-Chl...	8.210	9.525	928.8E6	478.1E6	3.492	3.141	
13)	B	alpha-Chl...	8.385	9.756	933.5E6	456.2E6	3.503	3.065	
14)	A	Endosulfan I	8.569	9.856	912.7E6	432.0E6	3.650	3.124	
15)	B	4,4'-DDE	8.502	10.019	802.4E6	420.3E6	3.291	2.895	
16)	MA	Dieldrin	8.901	10.300	971.9E6	441.0E6	3.684	2.906	
17)	MA	Endrin	9.232	10.813	891.0E6	373.1E6	4.033	3.427	
18)	A	4,4'-DDD	9.359	10.986	599.9E6	294.6E6	3.101	2.324	#
19)	B	Endosulfa...	9.562	11.167	796.0E6	354.3E6	3.484	2.801	
20)	MA	4,4'-DDT	9.779	11.526	553.9E6	228.3E6	2.996	2.588	
21)	B	Endrin Al...	10.199	11.745	574.5E6	250.6E6	3.202	2.600	
22)	B	Endosulfa...	10.898	12.221	667.0E6	278.6E6	3.141	2.485	
23)	A	Methoxychlor	10.568	12.768	272.1E6	110.1E6	2.502	2.235	
24)		Mirex	10.730	13.102	578.9E6	246.0E6	2.729	2.710	
25)	B	Endrin Ke...	11.339	13.152	839.4E6	322.7E6	3.328	2.689	

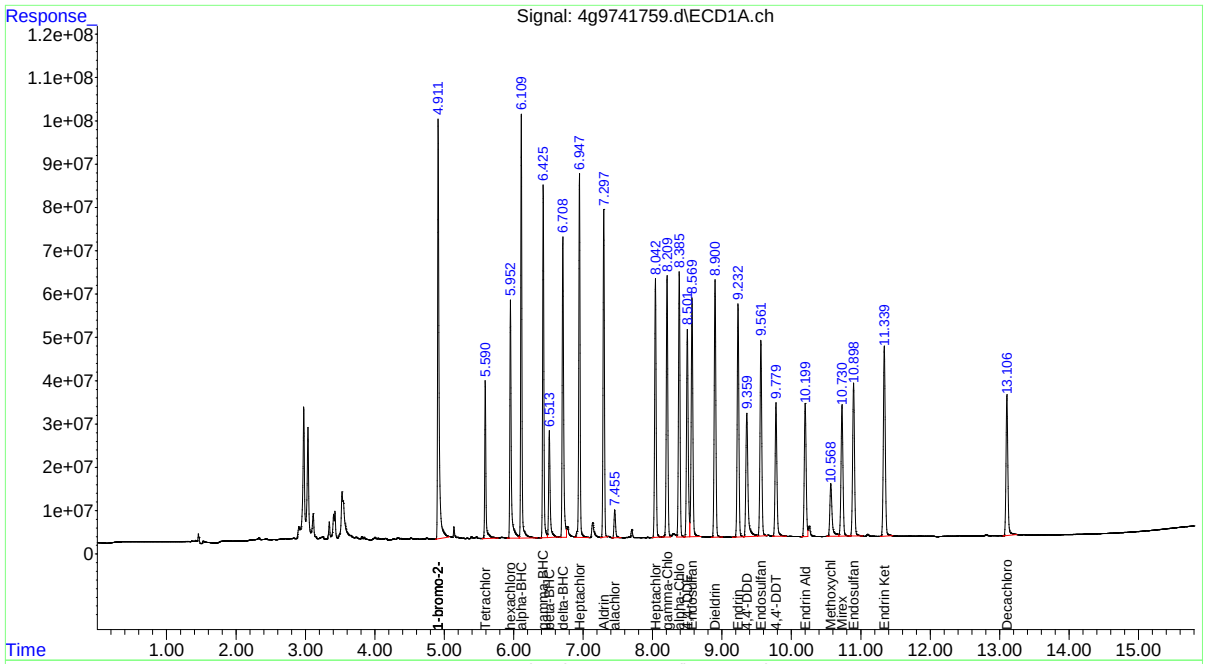
SemiQuant Compounds - Not Calibrated on this Instrument

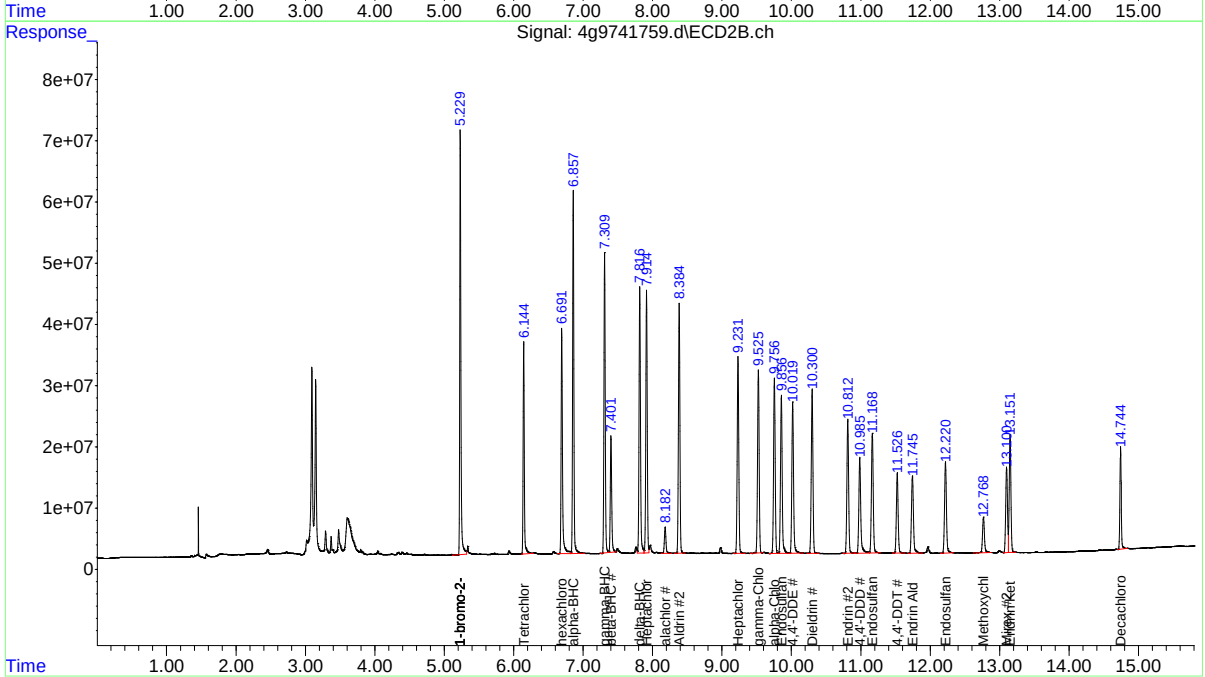
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\msdchem\1\data\g4g4506\
Data File : 4g9741759.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Nov 2024 5:56 pm
Operator : mahalial
Sample : icc4506-2.5 (pest mix)
Misc : op59415,g4g4506,5.0,,,10,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 26 04:55:25 2024
Quant Method : C:\MSDCHEM\1\METHODS\4PSTLVI4506.M
Quant Title : PEST/PCB
QLast Update : Tue Nov 26 04:50:10 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 11/27/24 10:02

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g4g4506\
Data File : 4g9741764.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Nov 2024 7:50 pm
Operator : mahalial
Sample : ic4506-50 (chlordane)
Misc : op59415,g4g4506,5.0,,,10,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 26 05:34:30 2024
Quant Method : C:\MSDCHEM\1\METHODS\4PSTLVI4506.M
Quant Title : PEST/PCB
QLast Update : Tue Nov 26 05:33:37 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1)	I 1-bromo-2...	4.911	5.229	1046.7E6	615.8E6	5.000	5.000
27)	I 1-bromo-2...	4.911	5.229	1046.7E6	615.8E6	5.000	5.000
33)	I 1-bromo-2...	4.911	5.229	1046.7E6	615.8E6	5.000	5.000
	System Monitoring Compounds						
	Target Compounds						
34)	Chlordane...	6.946	7.912	998.2E6	609.6E6	130.820	73.147 #
35)	Chlordane...	7.451	8.582	530.8E6	335.7E6	112.995	66.933 #
36)	Chlordane...	8.210	9.522	2150.8E6	1085.6E6	130.802	66.963 #
37)	Chlordane...	8.378	9.753	3389.4E6	1705.7E6	129.620	62.412m#
38)	Chlordane...	9.463	11.248	448.7E6	215.2E6	124.071	54.837 #
	SemiQuant Compounds - Not Calibrated on this Instrument						

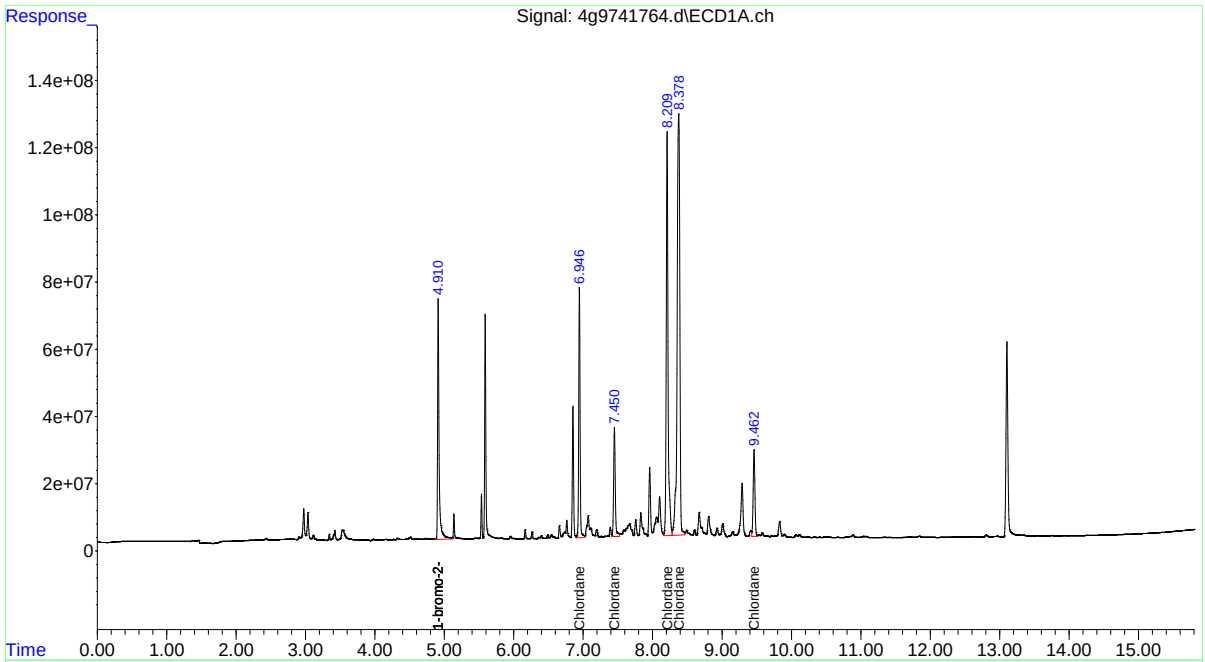
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

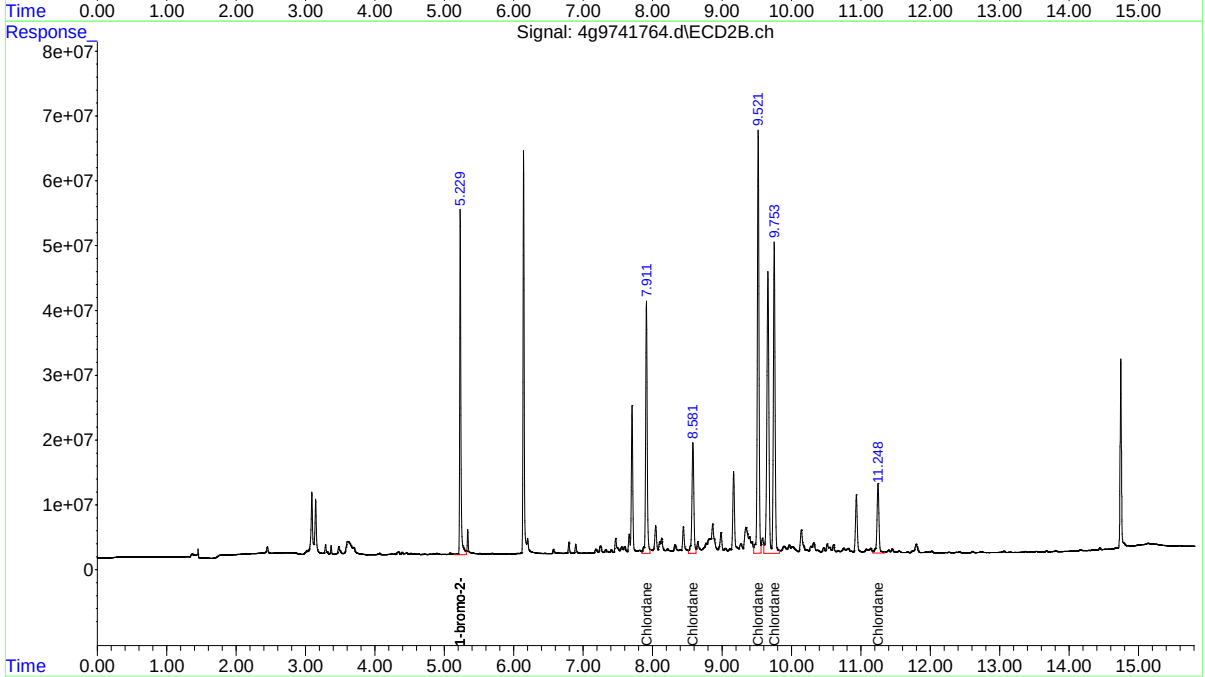
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g4g4506\
Data File : 4g9741764.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Nov 2024 7:50 pm
Operator : mahalial
Sample : ic4506-50 (chlordane)
Misc : op59415,g4g4506,5.0,,,10,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 26 05:34:30 2024
Quant Method : C:\MSDCHEM\1\METHODS\4PSTLVI4506.M
Quant Title : PEST/PCB
QLast Update : Tue Nov 26 05:33:37 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 11/27/24 10:02

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g4g4506\
Data File : 4g9741766.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Nov 2024 8:36 pm
Operator : mahalial
Sample : ic4506-50 (toxaphene)
Misc : op59415,g4g4506,5.0,,,10,1
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 26 05:57:16 2024
Quant Method : C:\MSDCHEM\1\METHODS\4PSTLVI4506.M
Quant Title : PEST/PCB
QLast Update : Tue Nov 26 05:35:34 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	Internal Standards						
1)	I 1-bromo-2...	4.911	5.230	1137.8E6	668.2E6	5.000	5.000
27)	I 1-bromo-2...	4.911	5.230	1137.8E6	668.2E6	5.000	5.000
33)	I 1-bromo-2...	4.911	5.230	1137.8E6	668.2E6	5.000	5.000
	System Monitoring Compounds						
	Target Compounds						
28)	L8 Toxaphene{A}	8.348	10.442	61689806	34969929	56.569m	38.358m#
29)	L8 Toxaphene{B}	9.037	11.310	126.5E6	162.0E6	36.864	65.639m#
30)	L8 Toxaphene{C}	10.072	11.630	183.0E6	64705723	59.047m	14.754m#
31)	L8 Toxaphene{D}	10.582	11.751	215.5E6	111.3E6	102.266m	47.534m#
32)	L8 Toxaphene{E}	10.733	12.669	316.9E6	109.3E6	119.923m	44.545m#
	SemiQuant Compounds - Not Calibrated on this Instrument						

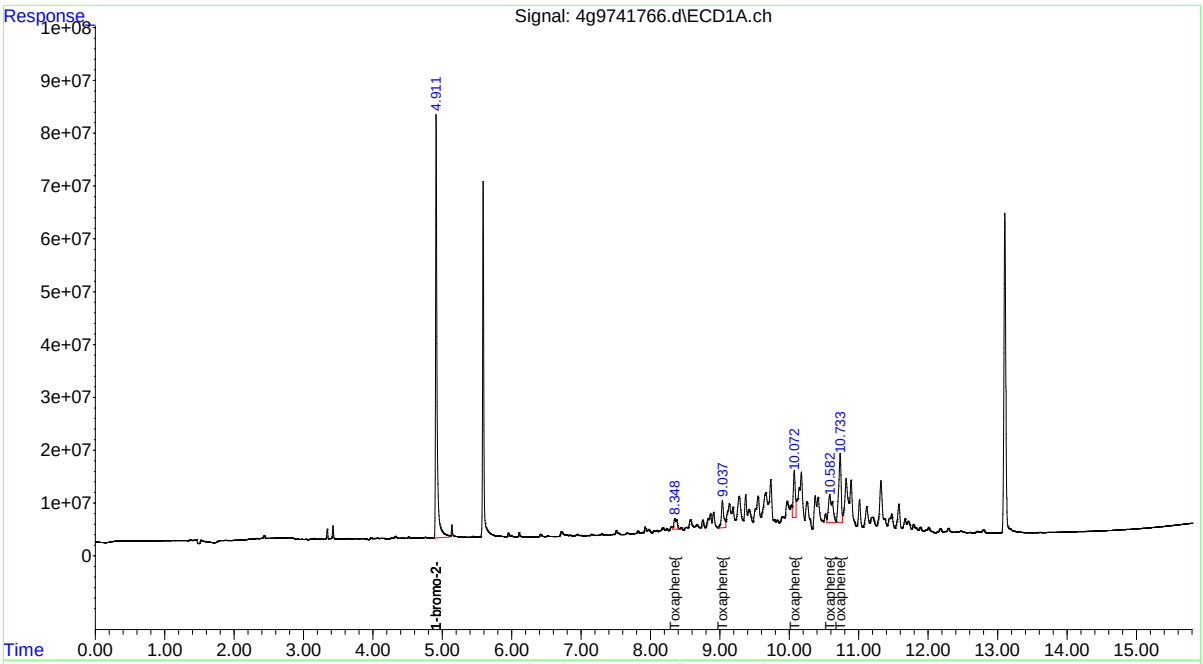
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

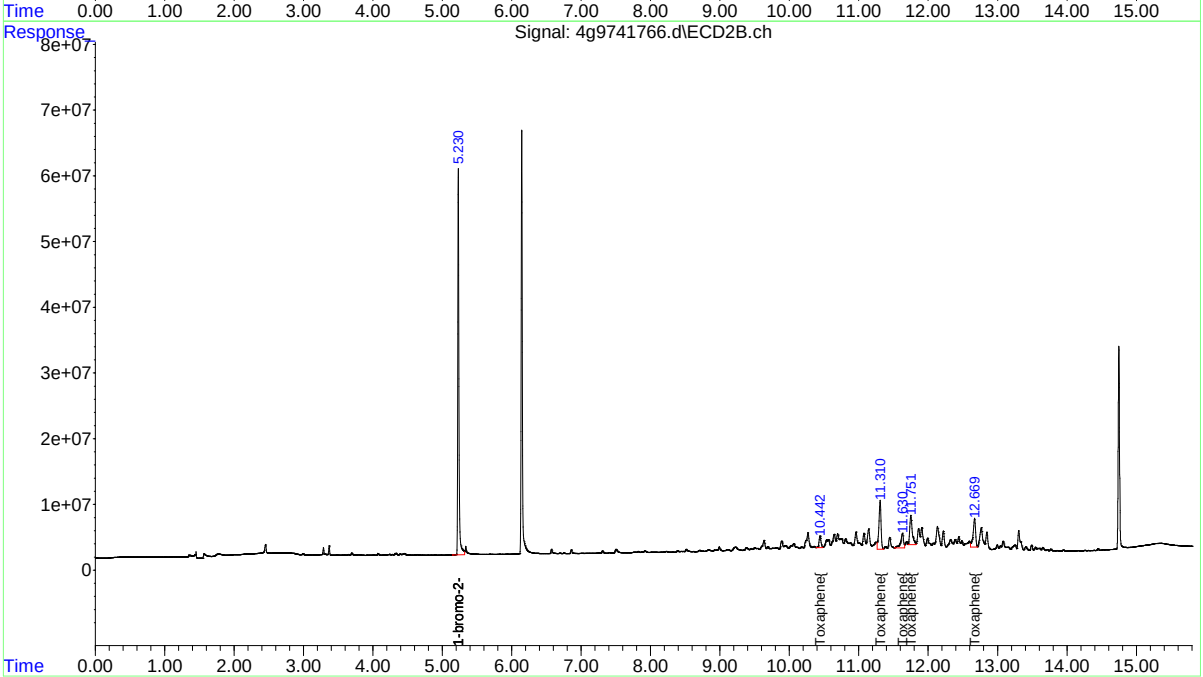
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g4g4506\
Data File : 4g9741766.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Nov 2024 8:36 pm
Operator : mahalial
Sample : ic4506-50 (toxaphene)
Misc : op59415,g4g4506,5.0,,,10,1
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 26 05:57:16 2024
Quant Method : C:\MSDCHEM\1\METHODS\4PSTLVI4506.M
Quant Title : PEST/PCB
QLast Update : Tue Nov 26 05:35:34 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um





General Chemistry

QC Data Summaries

Includes the following where applicable:

- Percent Solids Raw Data Summary

Percent Solids Raw Data Summary

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: JE1542-1 **Analyzed:** 04-DEC-24 by DP **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-20R

Wet Weight (Total)	33.71	g
Tare Weight	26.38	g
Dry Weight (Total)	32.68	g
Solids, Percent	85.9	%

Sample: JE1542-2 **Analyzed:** 04-DEC-24 by DP **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-20(2.0-2.5)

Wet Weight (Total)	33.02	g
Tare Weight	25.22	g
Dry Weight (Total)	31.94	g
Solids, Percent	86.2	%

Sample: JE1542-3 **Analyzed:** 04-DEC-24 by DP **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-20(2.5-3.0)

Wet Weight (Total)	39.3	g
Tare Weight	32.66	g
Dry Weight (Total)	38.53	g
Solids, Percent	88.4	%

Sample: JE1542-4 **Analyzed:** 04-DEC-24 by DP **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-20-N1

Wet Weight (Total)	30.18	g
Tare Weight	20.8	g
Dry Weight (Total)	29.2	g
Solids, Percent	89.6	%

Sample: JE1542-5 **Analyzed:** 04-DEC-24 by DP **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-20-N2

Wet Weight (Total)	27.74	g
Tare Weight	18.86	g
Dry Weight (Total)	27.15	g
Solids, Percent	93.4	%

Sample: JE1542-6 **Analyzed:** 04-DEC-24 by DP **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-20-S1

Wet Weight (Total)	31.37	g
Tare Weight	25.24	g
Dry Weight (Total)	30.75	g
Solids, Percent	89.9	%

Percent Solids Raw Data Summary

Job Number: JE1542
Account: MTXFPNJ Matrix New World Engineering, Inc.
Project: Ridgewood Berm Sampling, Ridgewood, NJ

Sample: JE1542-7 **Analyzed:** 04-DEC-24 by DP **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-20-S2

Wet Weight (Total)	31.79	g
Tare Weight	23.45	g
Dry Weight (Total)	31.09	g
Solids, Percent	91.6	%

Sample: JE1542-8 **Analyzed:** 04-DEC-24 by DP **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-20-E1

Wet Weight (Total)	32.57	g
Tare Weight	25.11	g
Dry Weight (Total)	31.94	g
Solids, Percent	91.6	%

Sample: JE1542-9 **Analyzed:** 04-DEC-24 by DP **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-20-E2

Wet Weight (Total)	31.88	g
Tare Weight	24.73	g
Dry Weight (Total)	31.26	g
Solids, Percent	91.3	%

Sample: JE1542-10 **Analyzed:** 04-DEC-24 by DP **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-20-W1

Wet Weight (Total)	35.74	g
Tare Weight	26.33	g
Dry Weight (Total)	35.14	g
Solids, Percent	93.6	%

Sample: JE1542-11 **Analyzed:** 04-DEC-24 by DP **Method:** SM2540 G 18TH ED MOD
ClientID: GRID-20-W2

Wet Weight (Total)	36.43	g
Tare Weight	28.63	g
Dry Weight (Total)	35.51	g
Solids, Percent	88.2	%

Sample: JE1542-12 **Analyzed:** 04-DEC-24 by DP **Method:** SM2540 G 18TH ED MOD
ClientID: DUP-4

Wet Weight (Total)	36.64	g
Tare Weight	27.41	g
Dry Weight (Total)	36.01	g
Solids, Percent	93.2	%